

METEOROLOGICAL OBSERVATIONS
MADE
ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

JANUARY, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			24 Hours.			
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.						
														A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	.55	.62	.46	.54	6	15	12	11	20	4	41	25	62	W	50	W	36	W	38	790
2	.46	.36	.24	.35	11	13	11	12	15	9	100	100	100	W	40	SW	20	SW	30	795
3	.10	.05	.22	.12	11	- 1	-22	- 4	13	-23	100	100	...	W	10	W	25	NW	30	...
4	.34	.46	.58	.46	-20	- 0	- 7	- 9	1	-25	30	0	12	W	10	N	20	N	18	...
5	.63	.61	.63	.62	10	7	1	6	11	- 1	20	55	100	N	30	W	40	NW	30	440
6	.68	.76	.75	.73	4	14	9	9	15	- 2	25	0	26	N	40	NW	25	W	30	785
7	.64	.64	.61	.63	9	10	7	9	15	5	58	79	11	NW	42	W	24	NW	36	745
8	.52	.57	.63	.57	6	7	5	6	10	4	76	77	52	NW	50	NW	40	NW	30	840
9	.62	.62	.66	.63	9	13	14	12	16	4	47	28	0	NW	36	NW	40	NW	25	770
10	.57	.59	.60	.59	9	13	7	10	16	7	0	10	23	NW	40	NW	18	NW	22	655
11	.58	.52	.51	.54	7	11	4	7	15	4	11	22	100	NW	10	W	24	W	32	411
12	.54	.54	.55	.54	5	11	4	7	14	2	52	41	100	W	32	W	30	SW	30	691
13	.58	.59	.64	.60	2	11	5	6	14	1	100	42	76	W	40	NW	40	W	30	775
14	.68	.72	.69	.70	7	17	8	11	23	6	78	90	57	NW	25	NW	2	NW	1	610
15	.64	.58	.59	.60	6	10	9	8	13	5	54	60	79	W	10	NW	20	N	12	185
16	.64	.48	.47	.53	1	18	13	11	23	1	44	54	63	W	22	W	40	W	50	490
17	.55	.48	.44	.49	4	16	10	10	20	4	50	83	100	W	30	W	15	SW	20	885
18	.51	.42	.48	.47	9	12	5	9	14	4	100	100	100	W	14	W	16	W	5	320
19	.52	.49	.42	.48	6	7	6	6	10	2	100	100	100	W	8	SW	25	SW	10	250
20	.47	.22	.23	.31	- 1	2	- 1	0	10	- 4	100	46	69	W	20	SW	20	SW	16	370
21	.28	.14	.14	.19	2	- 1	- 1	0	4	- 9	100	100	100	W	15	CW	10	SW	9	365
22	.16	.12	.12	.13	9	8	-16	0	10	-18	100	100	100	W	10	W	20	SW	30	230
23	.16	.38	.48	.34	- 5	0	-10	- 5	8	-18	0	70	0	NW	40	NW	40	NW	40	745
24	.75	.86	.90	.84	- 3	7	2	2	9	- 9	34	11	19	NW	30	W	22	W	14	790
25	.85	.86	.85	.85	6	18	14	13	21	1	30	0	0	W	24	NW	4	W	16	390
26	.74	.58	.54	.62	17	16	5	13	21	5	37	2	64	W	8	NW	16	NW	28	227
27	.45	.64	.75	.61	- 3	1	4	1	7	- 5	100	43	0	NW	30	NW	24	NW	12	613
28	.74	.83	.87	.81	5	11	12	9	15	- 1	76	0	25	NW	28	NW	28	NW	12	518
29	.69	.67	.68	.68	9	13	3	8	15	2	58	45	48	W	40	W	36	W	20	684
30	.61	.54	.51	.55	3	5	2	3	8	0	100	88	100	W	25	SW	15	SW	1	430
31	.42	.39	.45	.42	1	2	- 5	- 1	5	- 6	100	73	100	SW	10	W	8	NW	2	135
Means	.54	.53	.54	.53	4.6	9.2	3.5	5.8	13.3	-1.6	62	53	60	26.4	24.0	21.9	15934*			

REMARKS.

Jan. 2. Hy. Frost.

3. Snow, B. 7.10 A.M.; E. 6.00 P.M.

Jan. 3 and 4. Ice interfered with Anemometer Record.

11. Halo, 5.42 A.M.

* Total for 29 days.

JANUARY, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07						
1	0	c 5 w	c 5 w	Haze	Haze	Haze				Cr	F	F
2	Hidden	Hidden	Hidden	s 10 w	s 10 sw	s 10				Cy	Cy	Cy
3	.	.34	.06	.40	Hidden	Hidden	c 2 NW	s 4	N 4	....				Cy	HS	F
4	c 1 w	c 1 0	....	0	0	....				Cr	Cr	Cr
5	0	c 3 NW	c 1 NW	0	0	....				Cr	F	Cr
6	c 1 NW	c 7 NW	c 5 w	0	0	....				Cr	F	F
7	cs 10 NW	c 1	c 1 NW	0	s 2 w	....				Cy	F	Cr
8	c 1 NW	c 2 NW	....	0	ks 2 NW	....				Cr	F	Cr
9	cs 10	c 8 NW	c 1 NW	....	Haze	....				Cy	F	Cr
10	c 5 NW	c 2 NW	Haze	0	Haze	Haze				F	F	F
11	Haze	cs 8 w	....	....	....	....				Cy	Cy	Cr
12	c 5 w	c 5 w	c 2 w	s 2	Haze	0				Cy	F	Cr
13	c 2 w	c 8 w	c 5 w	Haze	Haze	s 5 0				F	Cy	Cy
14	0	c 8 sw	0	s 3	Haze	s 3				F	Cy	F
15	Haze	cs 7 N	Haze	s 8	Haze	0				Cy	Cy	Cr
16	0	k 5 w	0	s 5	Haze	s 5				F	F	F
17	Hidden	Hidden	Hidden	s 10 w	s 10	s 10 w				Cy	Cy	Cy
18	.05	.29	.19	.53	Hidden	Hidden	Hidden	N 10 w	N 10	s 10				HS	LS	Cy
19	.21	.07	.	.28	Hidden	Hidden	Hidden	N 10	s 10 sw	s 10 sw				LS	Cg	Cy
20	Hidden	k 8 w	Haze	s 3	Haze	s 3				Cy	Cy	F
21	.	.01	.07	.08	Hidden	Hidden	Hidden	s 10	N 10	s 10				Cy	LS	Cy
22	0	k 8 w	Hidden	s 7	0	s 10				F	Cy	Cy
23	0	k 3 w	0	Sn. drifts	Haze	s 3				F	F	F
24	0	c 1 w	0	s 3	Haze	Haze				F	Cr	Cr
25	0	c 1 0	0	Haze	Haze	Haze				Cr	Cr	Cr
26	c 3 0	cs 8 sw	cs 5 sw	0	0	0				F	Cy	F
27	T	.	.	T	Hidden	0	c 8 w	s 10 NW	Haze	0				Cy	Cr	Cy
28	c 5 NW	0	c 8 NW	0	Haze	0				F	Cr	Cy
29	c 5 w	c 3 w	c 3 w	0	Haze	Haze				F	F	F
30	Hidden	cs 10 sw	cs 10 sw	s 10	Haze	s 2				Cy	Cy	Cy
31	.	.02	.01	.03	Hidden	Hidden	Hidden	N 10	N 10 w	s 10				LS	LS	Cy
Total	.26	.73	.33	1.32												

REMARKS.

Jan. 12. Halo, 5.42 A.M.
 18. Snow, B. D. N. ; E. 8.00 P.M.
 19. " B. D. N. ; E. 7.30 A.M.
 21. " B. 2.20 P.M. ; E. 6.00 P.M.

Jan. 27. Snow, B. and E. D. N.
 30. Halo, 9.07 P.M.
 31. Snow, B. D. N. ; E. 3.00 P.M.

FEBRUARY, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.				24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			24 Hours.	
														A.M. 5.42	P.M. 2.42	P.M. 9.07		
1	.48	.51	.54	.51	- 8	0	- 2	- 3	2	-11	40	0	37	NW 7	NW 16	N 10	180	
2	.48	.50	.52	.50	- 1	1	- 7	- 2	4	- 7	71	57	61	NW 32	W 22	W 15	555	
3	.48	.47	.49	.48	- 3	6	2	2	14	-10	0	100	100	NW 16	SW 4	SW 12	363	
4	.43	.41	.46	.43	2	7	3	4	9	1	100	100	36	SW 4	SW 8	NW 12	227	
5	.35	.48	.51	.45	- 7	- 6	- 8	- 7	6	-11	100	100	59	NW 20	N 12	N 28	296	
6	.54	.62	.62	.59	- 2	7	6	4	10	-10	100	55	64	NE 36	N 24	N 16	559	
7	.53	.49	.52	.51	4	10	0	5	13	0	50	59	100	W 36	W 20	N 20	625	
8	.55	.63	.68	.62	- 2	5	1	1	8	- 5	100	52	71	W 20	W 30	W 20	395	
9	.73	.72	.68	.71	4	13	6	8	20	- 1	25	53	30	NW 16	W 20	W 32	385	
10	.63	.62	.56	.60	6	15	6	9	18	4	53	32	53	W 36	W 28	W 32	661	
11	.50	.35	.25	.37	6	8	6	7	11	2	30	89	100	W 48	SW 30	SW 25	831	
12	.06	.00	.08	.05	6	1	- 8	0	10	-10	100	100	100	W 16	W 25	W 20	545	
13	.11	.28	.33	.24	-13	- 1	- 2	- 5	3	-16	100	100	100	W 60	SW 30	SW 30	750	
14	.35	.38	.39	.37	- 1	5	4	3	5	- 4	100	87	100	SW 30	SW 28	SW 20	695	
15	.41	.50	.55	.49	6	11	8	8	15	3	100	90	78	NW 24	W 28	W 12	520	
16	.48	.45	.51	.48	5	11	7	8	15	5	87	81	88	Calm	N 6	N 14	271	
17	.51	.45	.41	.46	5	11	6	7	16	4	63	61	76	W 14	W 36	SW 30	274	
18	.28	.28	.32	.29	3	7	3	4	9	3	100	77	74	SW 16	SW 20	W 8	620	
19	.34	.39	.45	.39	4	6	1	4	10	0	100	76	43	Calm	NW 16	NW 14	247	
20	.39	.33	.31	.34	2	6	- 9	0	12	-10	73	76	100	N 12	S 6	N 8	258	
21	.21	.15	.18	.18	-15	-12	-15	-14	- 9	-18	100	100	49	SE 24	SW 20	Calm	297	
22	.12	.16	.24	.17	-18	-21	-22	-20	-15	-26	36	0	0	W 4	NW 8	NW 20	190	
23	.22	.23	.24	.23	-21	-10	-14	-15	- 8	-26	26	100	100	W 32	SW 24	SW 16	418	
24	.17	.21	.27	.22	-14	-11	-18	-14	- 8	-22	100	0	36	SW 18	NW 10	NW 30	370	
25	.37	.30	.25	.31	-10	- 3	- 7	- 7	1	-20	55	100	61	W 30	SW 36	SW 36	600	
26	.36	.52	.57	.48	- 9	1	- 3	- 4	3	- 9	100	43	39	SW 36	NW 20	W 32	819	
27	.62	.62	.61	.62	2	12	1	5	14	- 5	19	43	100	W 30	SW 8	W 16	595	
28	.60	.68	.70	.66	1	8	3	4	10	1	43	14	48	NW 20	N 6	W 2	313	
Means	.40	.42	.44	.42	-2.4	3.1	-1.9	-0.3	7.1	-7.1	70	66	68	22.8	19.3	18.9	12859	

REMARKS.

Feb. 3. Snow, B. 1.45 P.M.; E. 5.00 P.M.

4. " B. D. N.; E. 5.15 P.M.

11. " B. 6.00 P.M.

Feb. 12. Snow, E. 3.00 P.M.

15. " B. and E. D. N.

16. " B. 10.15 A.M.; E. noon.

FEBRUARY, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	0	0	s 5	0	0	F	Cr	Cr
2	.	.	.	.	cs 7 NW	c 3 NW	c 1	s 3	Haze	Haze	Cy	F	Cr
3	.	.	.05	.05	c 5 NW	Hidden	Hidden	0	N 10	s 10 SW	F	LS	Cy
4	.12	.02	.02	.16	Hidden	Hidden	0	N 10 SW	N 10	s 5 NW	LS	LS	Cg
5	.	.	.	.	0	c 5 NW	.....	s 3	s 5 NW	.....	F	Cy	Cr
6	.	.	.	.	0	c 1 0	c 1 0	0	Haze	0	Cr	Cr	Cr
7	.	.	.	.	c 8 w	c 3 w	0	0	K 2 w	0	Cy	F	Cr
8	.	.	.	.	0	0	0	Fog	0	0	Fy	Cr	Cr
9	.	.	.	.	c 1	c 5 w	c 5 w	0	Haze	0	Cr	F	F
10	.	.	.	.	cs 10 w	c 5 w	0	0	0	0	Cy	F	Cr
11	.	.	T	T	cs 10 w	Hidden	Hidden	0	s 10 SW	N 10	Cy	Cy	LS
12	.10	.03	T	.13	Hidden	Hidden	Hidden	N 10	N 10	s 10	LS	LS	Cy
13	.	.	.	.	0	c 2 w	Hidden	s 2	s 8 SW	s 10	Cr	Cy	Tg
14	.	.	.	.	Hidden	Hidden	Hidden	s 10	s 10	s 10	Cy	Cy	Tg
15	.42	.	.	.42	Hidden	c 3 w	c 2 w	s 10	K 1 w	0	Cy	F	Cr
16	.	T	.	T	cs 8	Hidden	Hidden	0	s 10	s 5	Cy	Cy	F
17	.	.	.	.	0	c 1 w	Haze	0	Haze	Haze	Cr	Cr	Cr
18	.	.	.	.	Hidden	c 5 SW	c 8 0	s 10	s 5 SW	0	Tg	Cy	Cy
19	T	.24	.	.24	Hidden	c 2 NW	0	N 10	s 5 NW	0	LS	Cg	Cr
20	.	.	T	T	0	Hidden	Hidden	0	s 10	s N 10	Cr	Cy	LS
21	.08	.	.	.08	Hidden	Hidden	Haze	s 10	s 10	Haze	Cy	Cy	Cr
22	.	T	.08	.08	c 3 w	Hidden	0	Haze	N 10	0	F	LS	Cr
23	.	.	.	.	0	Hidden	Hidden	s 3 SW	s 10	s 10	F	Cy	Cy
24	.	.	.	.	Hidden	0	0	s 10	s 8 NW	0	Cy	Cg	Cr
25	.	.	.	.	0	c 8 SW	c 5 w	0	0	0	Cr	Cy	F
26	.	.	.	.	Hidden	0	0	s 10 SW	0	0	Cy	Cr	Cr
27	.	.	.	.	cs 10 SW	c 5 SW	0	0	0	0	Cy	F	Cr
28	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
Total	.72	.29	.15	1.16									

REMARKS.

Feb. 19. Snow, B. D. N. ; E. 2.15 P.M.
 20. " B. 3.30 P.M. ; E. D. N.
 21. Lunar Halo, 9.07 P.M.

Feb. 22. Snow, B. 1.00 P.M. ; E. 6.00 P.M.
 25. Lunar Halo, 9.07 P.M.

MARCH, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.56	.52	.53	.54	4	12	6	7	15	-2	25	25	30	w 24	w 40	w 40	429
2	.42	.34	.29	.35	5	11	4	7	13	3	52	61	100	sw 40	sw 30	sw 20	935
3	.18	.26	.26	.23	3	6	-3	2	8	-3	100	100	100	sw 15	sw 25	sw 40	510
4	.17	.12	.16	.15	-3	3	-5	-2	4	-5	100	74	100	sw 15	sw 24	sw 26	520
5	.08	.01	.04	.04	-6	2	-4	-2	4	-9	100	100	100	sw 12	sw 12	sw 16	425
6	.03	.14	.20	.12	-15	-6	-10	-10	-3	-15	44	62	100	nw 24	nw 16	sw 28	378
7	.32	.37	.44	.38	-6	5	-1	0	7	-12	62	87	100	w 36	w 24	sw 20	591
8	.40	.45	.45	.43	2	11	4	6	12	-3	100	41	75	w 48	sw 30	sw 32	768
9	.46	.51	.54	.50	3	14	7	8	14	2	74	41	55	sw 40	sw 25	sw 20	845
10	.50	.50	.54	.51	6	13	7	9	14	5	100	100	100	sw 16	w 28	sw 12	450
11	.51	.56	.57	.55	3	13	5	7	14	1	74	63	100	nw 28	w 14	nw 10	482
12	.57	.52	.48	.52	4	12	6	7	18	3	50	62	100	n 12	sw 20	sw 30	286
13	.39	.33	.32	.35	6	16	4	9	17	4	76	67	100	sw 24	sw 16	sw 16	580
14	.31	.30	.34	.32	-1	5	3	2	9	-2	70	100	100	w 18	sw 10	sw 12	344
15	.29	.18	.12	.20	-1	5	2	2	7	-2	100	100	100	sw 24	sw 16	w 24	460
16	.02	.04	.09	.05	-3	5	1	1	8	-6	100	100	100	w 24	sw 16	nw 20	538
17	.11	.12	.23	.15	-2	0	-5	-2	7	-6	100	100	100	sw 16	sw 40	sw 24	370
18	.25	.28	.32	.28	-10	5	-3	-3	6	-12	100	76	68	sw 16	sw 8	nw 6	493
19	.29	.30	.37	.32	-13	-1	-3	-6	3	-15	100	100	67	w 24	w 32	nw 10	338
20	.34	.30	.33	.32	0	8	1	3	10	-3	70	56	100	w 16	sw 14	w 18	368
21	.37	.51	.57	.48	-3	14	5	5	16	-4	67	64	100	sw 16	w 12	sw 8	356
22	.56	.62	.64	.61	1	17	8	9	19	1	100	68	100	w 24	w 10	sw 4	440
23	.61	.65	.68	.65	7	16	8	10	20	6	100	83	100	w 4	w 12	w 8	181
24	.62	.58	.52	.57	7	17	11	12	18	6	100	84	100	w 24	sw 16	w 20	300
25	.46	.47	.49	.47	5	9	5	6	17	4	76	79	76	nw 16	nw 15	w 36	308
26	.54	.54	.54	.54	7	12		10	20	4	55	100	100	nw 20	sw 24	sw 20	440
27	.49	.64	.61	.58	9	15	9	11	17	6	100	56	100	sw 24	sw 12	s 16	513
28	.53	.58	.58	.56	8	16	12	12	17	8	78	67	100	w 40	sw 20	sw 22	499
29	.52	.51	.49	.51	10	17	11	13	17	9	79	84	100	sw 16	sw 24	sw 20	462
30	.33	.24	.34	.30	9	11	3	8	13	3	100	100	74	s 14	w 24	nw 16	380
31	.37	.45	.50	.44	4	14	5	8	17	2	75	100	63	nw 4	nw 4	nw 6	327
Means	.37	.39	.41	.39	1.3	9.6	3.4	4.8	12.2	-1.0	82	77	91	21.7	19.8	19.4	14316

REMARKS.

Mar. 3. Rain, B. D. N.; E. D. N.

5. Lt. Snow, { B. D. N.; E. D. N.
 { B. 1.30 P.M.; E. 3.00 P.M.
7. " B. 2.00 P.M.; E. 3.00 P.M.

Mar. 10. Lt. Snow, B. D. N.; E. 10 15 A.M.

14. " B. 2.10 P.M.; E. 5.00 P.M.
15. " B. 3.00 P.M.; E. D. N.
17. " B. 8.00 A.M.; E. 11.30 A.M.

METEOROLOGICAL OBSERVATIONS.

MARCH, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	c 3 w	c 3 w	Haze	Haze	0	Cr	F	F
2	.	.	.	.	0	c 5 sw	Hidden	s 3 sw	Haze	s 10 sw	F	F	Cy
3	.07	.	.	.07	Hidden	Hidden	Hidden	s 10 sw	s 10 sw	s 10 sw	Cy	Cy	Cy
4	.	.	.	.	Hidden	Hidden	0	s 10	s 10	s 5 sw	Cy	Cy	F
5	.06	T	T	.06	Hidden	Hidden	Hidden	s 10	N 10	s 10	Cy	LS	Cy
6	.	.	.	.	0	Hidden	Hidden	s 7 NW	s 10	s 10	Cg	Cy	Cy
7	.	T	T	T	0	Hidden	0	0	N 10	0	Cr	LS	Cr
8	.	.	.	.	0	0	0	0	Haze	0	Cr	Cr	Cr
9	.	.	.	.	0	c 5 w	cs 7 w	0	0	0	Cr	F	Cy
10	T	.06	.	.06	Hidden	Hidden	Hidden	N 10	s 10 w	s 10	LS	Cy	Cy
11	.	.	.	.	0	K 3 NW	0	0	0	0	Cr	F	Cr
12	.	.	.	.	0	c 5 w	c 5 w	0	Haze	0	Cr	F	F
13	.	.	.	.	0	c 3 w	0	0	K 5 sw	0	Cr	Cy	Cr
14	.	T	.06	.06	0	Hidden	Hidden	s 5 w	N 10	s 10	F	LS	Cy
15	.	.	.08	.08	cs 5 w	Hidden	Hidden	0	s 10	N 10	F	Cy	LS
16	T	.	.	T	Hidden	K 3 s	Hidden	s 10	s 5 sw	s 10	Cy	Cy	Cy
17	.	.06	.	.06	ks 8 sw	Hidden	0	0	s 10	0	Cy	Cy	Cr
18	.	T	.08	.08	cs 10	Hidden	0	0	N 10	s 3	Cy	LS	F
19	.	.	.	.	0	K 3 w	0	0	0	0	Cr	F	Cr
20	.	.	.	.	c 3 w	c 8 sw	Haze	0	0	0	F	Cy	F
21	.	.	.	.	0	K 5 w	Hidden	s 8 sw	s 5 w	s 10	Cy	Cy	Cy
22	.	.	.	.	0	K 3 w	0	s 3	0	s 5 sw	Cr	F	F
23	T	.12	.	.12	Hidden	0	0	s 10	s 5 w	s 5 w	Cy	Cg	F
24	.	.	.09	.09	cs 5	Hidden	Hidden	s 5 w	s 10	N 10	Cy	Cy	LS
25	T	.16	.	.16	c 3 NW	Hidden	0	0	s 10	0	F	Cy	Cr
26	.	.04	.03	.07	0	Hidden	Hidden	0	N 10	N 10	Cr	LS	LS
27	.06	.	.	.06	Hidden	0	Hidden	s 8 sw	0	s 10	Cy	Cr	Cy
28	.	.	T	T	0	K 5 sw	Hidden	0	0	N 10	Cr	F	LS
29	.06	.	.	.06	0	c 3 sw	cs 10 sw	s 5	K 5 sw	0	F	Cy	Cy
30	.	.07	.07	.14	Hidden	Hidden	Hidden	s 10 s	N 10	s 10 NW	Cy	LS	Cy
31	.	T	T	T	0	cs 10 NW	Hidden	s 3 NW	0	s 10 NW	F	LS	Cy
Total	.25	.51	.41	1.17									

REMARKS.

Mar. 18. Lt. Snow, B. 1.45 P.M.; E. 8.20 P.M.

23. " B. { D.N.
12.15 P.M.; E. { D.N.
2.30 P.M.

24. " B. 5.30 P.M.; E. 9.30 P.M.

25. " B. 9.30 A.M.; E. 2.15 P.M.

Mar. 26. Lt. Snow, B. 12.30 P.M.; E. D. N.

28. " B. 7.30 P.M.; E. D. N.

30. " B. 10.20 A.M.; E. 7.00 P.M.

31. " B. 1.45 P.M.; E. 3.00 P.M.

APRIL, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity			Wind.					
	Direction and Velocity in Miles per Hour.			Movement. 24 Hours.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
	A.M. 5.42	P.M. 2.42	P.M. 9.07														Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
1	.50	.56	.60	.55	- 5	14	4	4	15	- 6	65	82	75	N 16	W 8	NW 20	222		
2	.64	.67	.61	.64	- 3	9	- 6	0	9	- 6	34	58	62	NW 16	SW 16	SW 36	267		
3	.59	.59	.55	.58	9	19	11	13	19	- 6	17	41	61	NW 28	W 8	SW 16	585		
4	.37	.32	.37	.35	10	10	3	8	15	3	100	79	74	SW 40	W 30	NW 36	569		
5	.41	.37	.31	.36	5	13	12	10	14	1	52	81	100	SW 25	SW 25	SW 30	620		
6	.34	.35	.40	.36	1	7	2	3	14	0	71	100	100	W 15	S 6	SW 12	460		
7	.37	.38	.46	.40	2	3	- 6	0	12	- 6	100	100	100	SW 12	N 8	N 24	169		
8	.52	.59	.63	.58	- 1	5	3	2	7	- 8	100	100	100	N 24	N 20	N 10	451		
9	.59	.65	.67	.64	0	11	9	7	13	- 1	70	80	79	N 10	N 12	W 18	277		
10	.70	.72	.68	.70	8	21	12	14	24	8	56	58	62	N 8	SW 10	SW 24	229		
11	.62	.53	.47	.54	11	12	12	12	15	9	61	52	62	SW 24	SW 28	SW 25	415		
12	.36	.31	.36	.34	10	11	7	9	16	7	89	80	77	S 8	N 16	NW 20	446		
13	.31	.41	.45	.39	3	11	6	7	13	2	100	80	76	NW 44	W 30	W 30	620		
14	.43	.45	.45	.44	3	8	- 1	3	14	- 1	74	78	100	W 20	NW 8	N 18	495		
15	.37	.33	.38	.36	- 1	- 1	- 7	- 3	1	- 7	100	100	100	N 24	NE 20	NE 12	356		
16	.34	.37	.42	.38	- 5	9	- 8	- 1	10	- 9	64	100	100	S 4	S 4	0	213		
17	.44	.47	.53	.48	- 8	5	- 3	- 2	7	-11	100	100	67	SE 12	S 6	N 6	115		
18	.52	.53	.52	.52	- 3	13	2	4	14	- 6	34	81	46	NE 24	S 2	N 12	282		
19	.41	.41	.43	.42	1	7	5	4	10	- 1	71	77	100	N 28	N 12	N 22	279		
20	.47	.45	.46	.46	3	9	7	6	11	1	100	100	100	S 4	S 18	S 18	301		
21	.41	.39	.44	.41	7	14	6	9	19	6	77	82	100	SW 4	SW 16	SW 8	281		
22	.44	.46	.47	.46	2	1	- 5	- 1	9	- 5	86	43	100	0	N 3	N 12	155		
23	.41	.45	.47	.44	- 6	3	1	- 1	5	- 8	62	100	100	N 24	N 14	N 28	371		
24	.48	.46	.60	.51	3	12	9	8	14	- 3	100	81	100	N 32	N 16	N 28	541		
25	.64	.69	.70	.68	9	19	15	14	20	9	100	70	65	N 24	SW 32	W 30	429		
26	.65	.68	.71	.68	12	23	15	17	23	11	81	47	82	W 40	NW 20	N 20	795		
27	.72	.85	.88	.82	11	20	15	15	24	6	41	22	49	NW 40	NW 16	W 24	515		
28	.89	.90	.90	.90	20	24	19	21	30	13	0	50	55	N 20	W 20	W 16	403		
29	.84	.83	.80	.82	20	28	22	23	32	17	43	34	39	NW 20	NW 16	W 20	398		
30	.71	.67	.59	.66	20	27	22	23	35	17	43	32	46	W 30	W 36	W 44	583		
Means	.52	.53	.54	.53	4.6	12.3	6.1	7.6	15.5	0.9	70	73	79	20.7	15.9	20.6	11842		

REMARKS.

April 1. Lt. Snow, B. 1.00 P.M.; E. 5.00 P.M.
 4. Sleet, B. 10.30 A.M.; E. 1.45 P.M.
 5. Lt. Snow, B. 8.00 P.M.; E. D. N.
 6. Snow, B. 10.25 A.M.; E. 9.15 P.M.

April 7. Lt. Snow, B. 3.00 P.M.; E. 8.40 P.M.
 8. Sleet, B. 8.30 A.M.; E. 6.30 P.M.
 12. Snow, B. 8.40 A.M.; E. 5.00 P.M.
 14. Snow, B. 11.30 A.M.

METEOROLOGICAL OBSERVATIONS.

APRIL, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	T	.07	.07	0	Hidden	0	0	N 10	0	Cr	LS	Cr
2	0	0	0	0	Haze	0	Cr	Cr	Cr
3	cs 8 NW	cs 10 W	cs 8 SW	0	0	0	Cy	Cy	Cy
4	.	.23	.	.23	Hidden	K 8 W	Hidden	s 10	s 3	s 10	Cy	Cg	Cy
5	.	.	T	T	c 10 W	cs 10	Hidden	0	Haze	N 10	Cy	Cy	LS
6	.56	T	.30	.86	0	Hidden	Hidden	s 3	N 10	N 10	F	HS	LS
7	T	.	.17	.17	Hidden	Hidden	0	s 10	s 10	s 5	Cy	Cy	Cg
8	.	.57	.04	.61	Hidden	Hidden	Hidden	s 10	N 10	s 10	Cy	HS	Cy
9	0	0	0	0	Haze	0	Cr	Cr	Cr
10	0	0	0	Haze	Haze	0	Cr	Cr	Cr
11	c 7 SW	cs 10 SW	c 3 SW	Haze	0	0	F	Cy	F
12	.	.19	.03	.22	cs 8 SW	Hidden	Hidden	0	N 10	s 10	Cy	HS	Cy
13	0	Hidden	0	0	s 8 W	0	Cr	Cy	Cr
14	.	.12	.18	.30	cs 8 W	Hidden	Hidden	0	N 10	N 10	Cy	Slt	LS
15	T	T	2.00	2.00	Hidden	Hidden	Hidden	N 10	N 10	s 10	LS	HS	Cy
16	.	.08	T	.08	c 8 W	Hidden	0	Haze	N 10	Haze	Cy	LS	Cr
17	Hidden	Hidden	0	s 10	s 10	Haze	Cy	Cy	Cr
18	0	Hidden	Hidden	s 3	s 10	s 8	F	Cy	Cy
19	0	c 3 N	0	0	0	0	Cr	F	Cr
20	.	.14	.05	.19	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	HS	LS
21	.11	.09	.03	.23	0	Hidden	Hidden	s 3	N 10	s 10	F	LS	Cy
22	T	.06	.	.06	Hidden	c 3 N	0	N 10	K 5	Lt. Fog	LS	F	F
23	.	.03	T	.03	c 3 N	Hidden	0	0	N 7 NW	0	F	Slt	Cr
24	.	T	.15	.15	0	K 5 N	0	0	0	0	Cr	F	Cr
25	0	c 5 W	c 7 W	0	K 3	0	Cr	F	F
26	c 5 W	c 5 W	c 5 NW	0	0	0	F	F	F
27	0	0	0	Haze	Haze	Haze	Cr	Cr	Cr
28	c 3 NW	0	c 3 W	Haze	Haze	Haze	F	Cr	F
29	c 3 NW	c 8 W	c 5 W	Haze	Haze	Haze	F	Cy	F
30	CS 8 W	cs 10 W	cs 10 W	Haze	0	0	Cy	Cy	Cy
Total	.67	1.51	3.02	5.20									

REMARKS.

April 15. Snow, E. 5.00 P.M.
 16. " B. 11.00 A.M.; E. 3.00 P.M.
 20. " B. 7.20 A.M.; E. D. N.
 21. " B. 10.12 A.M.; E. 5.00 P.M.

April 22. Sleet, B. D. N.; E. 10.30 A.M.
 23. " B. 1.50 P.M.; E. 3.00 P.M.
 24. " B. 12.45 P.M.; E. 4.15 P.M.
 26. Halo, 9.07 P.M.

MAY, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. .07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.49	.42	.35	.42	20	25	14	20	27	14	43	39	82	W 40	SW 20	W 24	900
2	.22	.33	.42	.32	- 1	7	4	3	14	- 2	100	55	75	NW 30	N 36	N 40	549
3	.50	.69	.78	.66	3	13	10	9	14	1	100	100	79	N 36	NW 20	NW 20	851
4	.80	.86	.84	.83	16	24	17	19	28	4	0	37	68	NW 14	W 14	W 28	364
5	.84	.84	.85	.84	22	30	22	25	35	14	21	38	59	NW 18	SW 16	W 12	429
6	.81	.84	.81	.82	23	32	24	26	40	19	35	51	62	NW 10	S 3	SE 20	227
7	.75	.75	.68	.73	23	31	25	26	33	22	61	26	33	SW 32	SW 16	SW 30	480
8	.61	.44	.39	.48	21	25	14	20	28	14	58	39	100	S 16	S 30	SW 36	532
9	.26	.18	.24	.23	6	11	8	8	14	5	100	90	89	SW 20	NW 28	W 48	515
10	.30	.50	.58	.46	8	18	11	12	20	5	100	69	90	NW 36	W 20	NW 12	689
11	.59	.65	.70	.65	12	20	17	16	24	10	100	71	92	W 20	W 10	W 8	320
12	.81	.77	.78	.79	16	20	19	18	21	14	83	100	92	W 4	S 20	W 16	199
13	.76	.76	.82	.78	17	21	18	19	22	15	91	86	84	W 14	W 20	W 12	400
14	.79	.82	.87	.83	14	18	14	15	26	13	82	84	82	W 20	NW 24	NW 28	416
15	.90	.96	.96	.94	14	26	19	20	28	13	64	52	70	NW 26	W 16	W 18	470
16	.97	.99	.99	.98	21	30	25	25	38	18	44	68	51	NW 26	N 12	N 10	398
17	1.01	1.03	1.03	1.02	25	30	24	26	42	24	94	38	74	N 12	SW 6	W 8	232
18	1.05	1.04	1.02	1.04	27	29	27	28	40	23	76	78	65	NW 12	N 8	N 4	174
19	1.01	1.02	1.01	1.01	27	29	25	27	43	25	65	100	51	N 4	E 4	SE 3	149
20	.98	.98	.95	.97	27	27	27	27	41	20	65	100	54	N 8	S 12	N 22	140
21	.97	.93	.97	.96	28	35	29	31	38	27	55	55	67	N 20	NW 12	N 12	342
22	.96	.98	.98	.97	29	38	31	33	42	26	56	37	69	N 20	SW 12	0	324
23	.96	.95	.95	.95	32	37	30	33	45	28	59	45	68	NW 16	SE 6	W 14	188
24	.96	1.02	1.01	1.00	30	29	29	29	42	28	68	78	89	N 12	S 4	S 10	220
25	1.00	.98	.94	.97	29	35	30	31	38	26	67	61	78	S 8	S 16	S 10	135
26	.86	.83	.81	.83	30	32	30	31	45	27	89	89	89	W 12	W 20	W 28	284
27	.76	.75	.64	.72	29	36	27	31	41	27	67	52	100	W 50	SW 24	S 48	673
28	.58	.68	.73	.66	19	31	26	25	31	18	70	39	64	SW 55	SW 44	SW 45	909
29	.81	.85	.90	.85	25	30	28	28	32	23	63	100	100	S 20	S 24	S 24	727
30	.94	.96	.98	.96	27	29	28	28	31	26	100	100	100	NE 4	E 20	S 20	297
31	.97	.92	.90	.93	26	27	27	27	31	25	100	100	100	S 16	SW 20	S 16	387
Means	.78	.80	.80	.79	20.8	26.6	21.8	23.1	32.1	17.8	70	67	77	20.4	17.3	20.2	12920

REMARKS.

May 6. Sleet, At 12.25 P.M.
 9. " B D N., E. D. N.; B. 9.20 A.M.; E. 6.00 P.M.
 10. " { B. D. N.; E. D. N.
 " { B. 11.15 A.M.; E. 11.45 A.M.
 11. " At intervals. B. 12.30 P.M.
 12. " Continued; E. D. N.

May 13. Sleet, B. 10.30 A.M.; E. 3.40 P.M.
 14. " B. 10.45 A.M.; E. 1.00 P.M.
 18. " At 1.40 P.M.
 19. " B. 12.10 P.M.; E. 12.35 P.M.
 20. " B. 11.15 A.M.; E. 2.50 P.M.
 21. " B. 11.00 A.M.; E. 7.00 P.M.

MAY, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	cs 10 w	cs 7 sw	Hidden	0	k 3 sw	s 10	Cy	Cy	Cy
2	.	.	.	.	c 3 nw	c 5 n	0	0	0	0	F	F	Cr
3	.	.	.	.	Hidden	s 5 nw	0	s 10	k 3	0	Cy	F	Cr
4	.	.	.	.	0	c 3 w	0	0	Haze	0	Cr	F	Cr
5	.	.	.	.	c 3 w	c 3 w	c 3 w	Haze	k 3 w	Haze	F	F	F
6	.	T	.	T	0	k 8 sw	0	Haze	Haze	0	Cr	Cy	Cr
7	.	.	.	.	c 8 sw	kc 5 sw	0	Haze	Haze	0	Cy	F	Cr
8	.	.	.	.	c 3 sw	Hidden	Hidden	Haze	s 10 s	s 10 sw	F	Cy	Cy
9	.04	T	.09	.13	c 3	Hidden	0	0	n 10 nw	s 5 w	F	Slt	Cg
10	.07	.04	.	.11	Hidden	k 5 w	cs 3 nw	s 10 nw	0	0	Cy	F	F
11	T	T	.48	.48	Hidden	k 3 w	Hidden	s 10 w	s 5 w	n 10	Cy	Cy	LS
12	T	T	.19	.19	Hidden	Hidden	Hidden	n 10	n 10	n 10	LS	LS	HS
13	T	T	.09	.09	0	Hidden	Hidden	s 8	n 10 w	s 10	Cy	LS	Cy
14	.	.06	.	.06	c 5 w	Hidden	0	Haze	s 10 nw	0	F	Cy	Cr
15	.	.	.	.	0	k 8 w	0	0	0	0	Cr	Cy	Cr
16	.	.	.	.	0	k 8 nw	k 3	0	0	0	Cr	Cy	F
17	.	.	.	.	Haze	k 5 n	0	Haze	s 3	s 3	F	Cy	F
18	.	T	.	T	0	c 5	0	k 5	s 7	s 3	F	Cy	F
19	.	T	.	T	k 3	Hidden	0	Haze	s 10	s 5	Cr	Cy	F
20	.	.25	T	.25	0	Hidden	Haze	Haze	n 10	s 5	Cr	Slt	F
21	.	T	.03	.03	c 3 nw	k 3 w	c 3 nw	Haze	s 5	0	Cr	F	F
22	.	.03	T	.03	c 3 nw	c 3 w	k 3 nw	Haze	k 5 s	s 3	F	Cy	F
23	.	T	.	T	c 3 w	k 7 w	c 10 w	Haze	s 3 w	0	F	Cy	Cy
24	.	T	.04	.04	c 5 nw	Hidden	Hidden	s 5 nw	n 10	s 10	Cy	LS	Cy
25	.	.	.	.	0	k 5 sw	c 5 sw	Haze	0	Haze	Cr	F	F
26	.	.02	.02	.04	c 5	Hidden	c 5 w	Haze	n 10	Haze	F	LS	F
27	.	.	.04	.04	cs 8 w	c 5 w	Hidden	Haze	k 5 sw	s 10 s	Cy	Cy	Cy
28	.	.	.	.	cs 3 sw	0	0	Haze	Haze	Haze	F	F	Cr
29	.	.03	.34	.37	k 8 s	Hidden	Hidden	Haze	s 10 s	n 10	Cy	Cy	Slt
30	.40	.12	.30	.82	Hidden	Hidden	Hidden	s 10	s 10	s 10 s	Cy	Cy	Cy
31	.	T	.30	.30	Hidden	Hidden	Hidden	s 10 s	n 10 sw	s 10 s	Cy	Slt	Cy
Total	.51	.55	1.92	2.98									

REMARKS.

May 22. { Sleet, B. 11.45 A.M.; E. 4.00 P.M.
 { Snow, B. 7.45 P.M.; E. 8.10 P.M.
 23. Sleet, B. 12.50 P.M.; E. 1.00 P.M.
 24. Snow, B. 7.45 A.M.; E. 3.45 P.M.
 26. Sleet, B. 11.45 A.M.; Snow, E. 4.10 P.M.
 27. " B. 6.10 P.M.; E. 8.00 P.M.

May 29. Sleet, { B. 12.40 P.M.; E. 1.50 P.M.
 { B. 4.10 P.M.; E. D. N.
 29. Hy. Thunder Storm, Bet. 6.20 & 8.10 P.M.
 30. Snow, { B. 6.30 A.M.; E. 11.30 A.M.
 { B. 3.10 P.M.; E. 6.30 P.M.
 31. Sleet, B. 1.15 P.M.; E. 6.00 P.M.

JUNE, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
														Direction and Velocity in Miles per Hour.						Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	.80	.81	.85	.82	20	26	22	23	28	20	85	77	86	w 16	sw 30	w 24	442			
2	.83	.88	.90	.87	23	33	27	28	35	19	48	61	89	nw 12	w 18	w 6	481			
3	.88	.88	.87	.88	25	31	29	28	38	23	64	79	59	w 24	sw 36	sw 24	415			
4	.85	.91	.93	.90	27	36	29	31	38	25	67	30	89	nw 32	nw 16	w 20	682			
5	.90	.93	.92	.92	27	35	32	31	38	26	67	61	79	w 40	sw 30	sw 24	662			
6	.87	.90	.92	.90	29	35	32	32	37	27	59	62	89	w 38	sw 40	sw 40	730			
7	.88	.94	.91	.91	32	42	37	37	43	30	51	14	26	w 52	sw 40	sw 40	1136			
8	.90	.92	.91	.91	33	40	35	36	42	32	61	33	90	sw 40	sw 30	sw 48	955			
9	.85	.84	.80	.83	32	40	33	35	41	31	43	62	79	sw 36	sw 28	sw 40	872			
10	.72	.90	.92	.85	22	33	25	27	37	22	46	27	100	sw 55	w 10	w 8	1007			
11	.90	.93	.93	.92	17	32	23	24	33	17	84	69	100	n 8	nw 18	sw 18	251			
12	.90	.88	.89	.89	24	33	33	30	38	21	48	52	18	w 28	sw 36	nw 20	494			
13	.85	.86	.86	.86	29	36	29	31	40	27	59	53	78	sw 32	sw 20	w 10	616			
14	.83	.88	.93	.88	19	29	25	24	31	19	100	78	88	nw 10	nw 8	nw 20	389			
15	.92	1.00	1.03	.98	22	32	27	27	36	19	60	69	94	nw 28	nw 10	w 6	485			
16	1.02	1.03	1.02	1.02	28	40	30	33	45	25	47	33	68	w 12	sw 12	w 6	237			
17	1.00	.97	.97	.98	31	40	34	35	46	28	49	33	70	w 24	sw 18	sw 24	361			
18	.97	1.01	1.03	1.00	34	40	34	36	50	30	44	33	70	nw 18	nw 4	w 16	514			
19	1.08	1.13	1.14	1.12	34	45	36	38	50	30	44	19	45	w 12	sw 20	sw 24	332			
20	1.18	1.21	1.20	1.20	37	47	41	42	56	33	30	23	28	nw 16	se 6	s 16	382			
21	1.19	1.18	1.15	1.17	40	51	42	44	57	36	33	0	26	w 8	s 20	se 16	244			
22	1.09	1.07	1.02	1.06	39	49	38	42	51	37	32	14	72	s 20	se 14	s 24	363			
23	.99	.99	.98	.99	38	40	37	38	53	35	47	45	63	w 16	sw 26	sw 2	391			
24	.98	1.03	1.04	1.02	34	52	40	42	55	33	61	0	33	w 24	w 8	w 4	354			
25	1.05	1.04	1.03	1.04	36	50	40	42	53	33	12	9	28	w 24	sw 20	sw 22	372			
26	.96	.97	.89	.94	36	48	39	41	53	35	37	24	49	w 44	sw 16	sw 28	567			
27	.74	.90	.92	.85	29	46	35	37	48	29	68	0	21	sw 52	w 16	w 16	895			
28	.90	.92	.96	.93	27	38	29	31	45	25	67	47	78	sw 22	sw 24	se 12	400			
29	.93	.94	.99	.95	29	44	36	36	50	24	48	10	53	sw 24	nw 14	nw 14	446			
30	1.02	1.07	1.11	1.07	33	40	34	36	47	30	43	44	61	n 4	e 12	sw 8	217			
Means	.93	.96	.97	.96	29.6	39.4	32.9	33.9	43.8	27.4	53	39	64	25.7	20.0	19.3	15692			

REMARKS.

June 2. Sleet, B. 1.07 P.M.; E. 4.37 P.M.
 3. " B. 11.07 A.M.; E. 1.37 P.M.
 10. " B. 5.42 P.M.; E. 5.57 P.M.
 11. Snow, B. D. N.; E. D. N.

June 12. Sleet, B. 11.52 A.M.; E. 12.06 P.M.
 13. " B. 12.52 P.M.; E. 12.57 P.M.
 14. Snow, { B. D. N.; E. D. N.
 { B. 8.22 A.M.; E. 1.07 P.M.

JUNE, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	K 5 SW	0	ks 3	0	0	Cr	Cy	Cr
2	.	.	.08	.08	0	K 7 W	Haze	0	ks 5 SE	ks 3 SW	Cr	Cy	F
3	.	.01	.02	.03	0	K 7 W	0	ks 3	N 3 SW	ks 3 SW	Cr	Slt	F
4	0	K 8 W	cs 3 W	0	0	0	Cr	Cy	F
5	cs 3 W	cs 10 W	cs 3 SW	ks 5	Haze	Haze	F	Cy	F
6	0	cs 8 W	cs 3 W	Haze	Haze	0	Cr	Cy	Cr
7	0	0	0	Haze	Haze	Smoke	Cr	Cr	Cr
8	0	K 3 SW	Hidden	Haze	Haze	s 10	Cr	F	Cy
9	0	0	0	ks 3	ks 8 SW	0	Cr	Cy	Cr
10	.	.	T	T	0	K 3 E	Hidden	Haze	Haze	s 10	Cr	Cr	Cy
11	.14	.	.	.14	0	Hidden	Hidden	0	ks 8 W	s 10 SW	Cr	Cy	Cy
12	.	T	.	T	0	K 3 W	0	Haze	ks 7 SW	0	Cr	Cy	Cr
13	.	T	.	T	0	K 3 W	0	Haze	ks 7 SW	s 8 W	Cr	Cy	Cy
14	.02	.03	.	.05	cs 5 S	Hidden	Hidden	s 5	s 10 NW	s 10 NW	Cy	Cy	Cy
15	.	.	.19	.19	0	K 5 W	0	0	ks 5 W	Lt Fog	Cr	Slt	F
16	.	.	.01	.01	0	K 7 W	0	0	Haze	s 3	Cr	Cy	F
17	.	.	.02	.02	0	K 5 W	0	Haze	0	0	Cr	F	Cr
18	.	.	.05	.05	0	Hidden	cs 5 W	Haze	N 10 SW	0	Cr	Slt	F
19	0	K 5 SW	c 2 SW	Haze	Haze	Haze	Cr	F	Cr
20	0	K 5 W	cs 3 W	Smoke	Haze	0	F	F	Cr
21	0	c 3 W	c 2 W	Haze	ks 3 SW	0	Cr	F	Cr
22	0	K 2 SW	0	Haze	Haze	Haze	Cr	Cr	Cr
23	.	.01	.	.01	c 2 W	K 2 SW	cs 8 W	Haze	N 7 SW	0	Cr	Slt	Cy
24	cs 3 W	K 5 W	K 2 W	Haze	0	Haze	F	F	Cr
25	0	K 2 SW	K 2 SW	Haze	Haze	Haze	Cr	Cr	Cr
26	.	.	T	T	0	K 8 SW	0	Haze	0	ks 8 SW	Cr	Cy	Cy
27	0	0	0	Haze	Haze	Haze	Cr	Cr	Cr
28	.	T	.	T	0	K 3 SW	Hidden	Haze	Haze	N 10 SE	Cr	F	LS
29	cs 3 SW	K 5 NW	cs 2 SW	0	Haze	ks 2 NW	F	F	F
30	.	.	T	T	0	K 5 W	Hidden	Haze	ks 3 SE	ks 10 W	Cr	Cy	Cy
Total	.16	.05	.37	.58									

REMARKS.

June 15. Sleet, B. 11.52 A.M.; E. 5.07 P.M.
 16. " B. 1.37 P.M.; E. 3.07 P.M.
 17. " B. 8.42 A.M.; E. 9.02 A.M.
 18. " B. 12.22 P.M.; E. 1.27 P.M.

June 23. Sleet, B. 10.22 A.M.; E. 12.57 P.M.
 26. " B. 4.47 P.M.; E. 5.07 P.M.
 28. Snow, B. 7.07 P.M.; E. 7.19 P.M.
 30. Sleet, B. 6.37 P.M.; E. 6.47 P.M.

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JULY, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	A.M. 5 42	P.M. 2 42	P.M. 9 07	Mean.	A.M. 5 42	P.M. 2 42	P.M. 9 07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.					
														A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	1.11	1.13	1.14	1.13	35	37	33	35	47	30	53	46	79	SW 8	S 20	S 18	260		
2	1.14	1.16	1.16	1.15	37	47	36	40	52	32	46	10	45	SW 8	SE 14	S 14	244		
3	1.15	1.15	1.13	1.14	41	48	40	43	52	34	13	11	27	N 8	NE 8	S 16	233		
4	1.12	1.13	1.11	1.12	40	53	42	45	57	36	27	4	13	SW 8	S 16	S 20	262		
5	1.13	1.15	1.13	1.14	44	47	38	43	52	38	19	30	31	W 4	NE 12	S 20	285		
6	1.09	1.10	1.09	1.09	40	48	41	43	52	35	0	0	0	N 12	E 16	NE 16	276		
7	1.07	1.10	1.11	1.09	39	49	42	43	52	37	18	7	21	NE 24	NE 14	NE 22	401		
8	1.09	1.14	1.15	1.13	40	47	43	43	49	38	48	29	9	NE 20	NE 22	NE 16	453		
9	1.16	1.17	1.18	1.17	42	47	42	44	54	38	35	49	66	NE 2	SE 8	NE 4	271		
10	1.16	1.15	1.14	1.15	39	50	39	43	55	36	72	54	100	NW 6	SW 12	SW 16	120		
11	1.12	1.12	1.09	1.11	41	51	44	45	56	37	5	10	30	N 24	NE 8	N 6	367		
12	1.05	1.09	1.09	1.08	39	50	42	44	54	39	47	23	43	NW 20	NE 8	S 8	271		
13	1.09	1.10	1.10	1.10	39	50	44	44	54	37	56	16	38	SW 22	SE 16	SE 8	343		
14	1.12	1.15	1.15	1.14	42	40	34	39	50	34	50	91	100	NW 4	NE 16	N 14	241		
15	1.15	1.17	1.17	1.16	35	39	38	37	42	34	90	91	56	N 12	NE 14	N 10	264		
16	1.14	1.11	1.10	1.12	39	41	36	39	48	35	40	83	80	NE 6	SE 6	S 18	152		
17	1.09	1.08	1.06	1.08	39	41	38	39	50	36	48	83	81	SE 4	SE 10	S 32	129		
18	1.03	1.07	1.09	1.06	38	44	38	40	49	35	72	60	81	SW 20	NE 10	S 14	427		
19	1.11	1.15	1.15	1.14	38	42	38	39	45	36	81	100	91	S 10	E 8	E 28	272		
20	1.14	1.18	1.18	1.17	35	41	38	38	48	34	100	100	81	SW 24	E 8	NE 16	383		
21	1.15	1.17	1.18	1.17	36	43	36	38	53	35	90	84	90	S 20	NE 4	SE 12	329		
22	1.14	1.15	1.14	1.14	37	44	38	40	46	34	90	76	81	W 18	NW 6	S 4	299		
23	1.10	1.10	1.06	1.09	37	42	38	39	52	36	90	83	63	SW 12	SW 16	SW 20	190		
24	1.01	1.03	1.01	1.02	37	51	44	44	55	35	80	40	53	W 24	SW 12	SW 16	494		
25	.99	1.01	1.04	1.01	38	43	37	39	57	36	72	59	80	SW 18	SW 16	W 24	311		
26	1.06	1.05	1.07	1.06	34	37	32	34	40	32	100	81	100	SW 12	SW 26	SW 30	345		
27	1.05	1.09	1.10	1.08	32	37	33	34	39	32	100	81	90	W 28	N 8	NE 22	575		
28	1.11	1.13	1.13	1.12	33	44	36	38	48	31	61	45	80	E 6	SW 12	S 12	194		
29	1.14	1.19	1.21	1.18	36	52	44	44	55	34	70	30	53	NW 10	SW 10	W 6	257		
30	1.22	1.21	1.17	1.20	42	54	38	45	59	38	58	34	80	SW 12	SW 16	SW 28	209		
31	1.15	1.13	1.12	1.13	38	46	39	41	55	36	71	42	100	W 22	SW 24	S 8	528		
Means	1.11	1.12	1.12	1.12	38.1	45.3	38.7	40.7	50.9	35.2	58	50	63	13.8	12.8	16.1	9385		
REMARKS.																			
July 1. Sleet, B. 12.40 P.M.; E. 1.50 P.M. 9. Rain & Sleet, B. 1.45 P.M.; E. 10.15 P.M. 10. { Sleet, B. 3.15 P.M.; E. 3.50 P.M. Rain, B. 5.40 P.M.; E. 6.05 P.M. 14. Rain & Hail, B. 10.15 A.M.; E. D. N.						July 15. Snow, B. 4.10 P.M.; E. 5.00 P.M. 16. { Rain & Hail, B. 1.20 P.M.; E. 3.20 P.M. Rain, B. 5.48 P.M.; E. 6.15 P.M. 17. { Sleet, B. 10.25 A.M.; E. 11.15 A.M. Rain & Hail, B. 2.00 P.M.; E. 6.00 P.M.						July 18. Rain, { B. 2.00 P.M.; E. 3.00 P.M. B. 6.05 P.M.; E. 7.00 P.M. 19. Rain, B. 2.50 P.M.; E. 3.15 P.M. 20. Rain, B. 1.20 P.M.; E. 3.15 P.M. 21. Hail, B. 5.00 P.M.; E. 7.30 P.M.							

JULY, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.48	.	.	.48	CS 2 W	CS 5 NW	0	Haze	KS 5 W	0	Cr	Cg	Cr
2	.	.	.	.	0	C 2 SW	0	0	0	0	Cr	Cr	Cr
3	.	.	.	.	0	0	0	0	Haze	Haze	Cr	Cr	Cr
4	.	.	.	.	0	K 2 S	0	Haze	Haze	Haze	Cr	Cr	Cr
5	.	.	.	.	0	K 2 SW	CS 2 SW	Haze	Haze	Haze	Cr	Cr	Cr
6	.	.	.	.	0	K 2 SW	0	Haze	Smoke	Haze	Cr	Cr	Cr
7	.	.	.	.	0	CS 3	CS 3 SE	Haze	Smoke	Smoke	Cr	F	F
8	.	.	.	.	CS 2 SE	K 8 NE	0	Smoke	0	s 2	F	Cy	Cr
9	.	.	.13	.13	0	K 5 NW	0	Haze	N 5 S	s 3	Cr	LR	F
10	.03	.01	.	.04	0	K 3 NW	Hidden	KS 5 S	KS 7 W	s 10 SW	Cr	Cy	Cy
11	.	.	.	.	0	K 8 NW	0	Haze	Haze	s 5 NW	Cr	Cy	F
12	.	.	.	.	CS 2 W	K 8 W	CS 5 W	Smoke	Smoke	Smoke	Cr	Cy	F
13	.	.	.	.	CK 3 W	K 5 SW	CS 2 W	Smoke	Haze	Haze	F	F	Cr
14	.15	1.08	.	1.23	CK 3 SW	Hidden	Hidden	Haze	N 10 NE	N 10	F	LR	HR
15	.28	.	T	.28	CS 3 W	Hidden	CS 3 W	0	s 10 NE	KS 3 N	F	Cy	F
16	.28	.03	.	.31	c 3 W	Hidden	Hidden	KS 5	N 7 SE	s 10 S	F	Slt	Cy
17	.	.	.37	.37	0	K 3 NW	Hidden	Haze	N 7 SE	s 10 W	Cr	Hg	Cy
18	.02	.03	.	.05	CS 5 W	Hidden	Hidden	0	N 10 SW	s 10 SW	F	LR	Cy
19	.02	.	.	.02	Hidden	Hidden	Hidden	KS 10	s 10 E	s 10 E	Cy	Cy	Cy
20	.12	.	.	.12	CS 3	Hidden	CS 5 SE	s 5 SW	N 10 E	0	F	HH	F
21	.	.	1.45	1.45	0	Hidden	Hidden	KS 3	N 10 NE	s 10 SE	F	HH	Cy
22	.05	.15	.	.20	CK 3 SW	Hidden	CK 5 SW	0	N 10 NW	s 3	F	HR	Cy
23	.11	.	.	.11	CS 3 W	Hidden	CS 10 NW	0	s 10 NW	0	F	Cy	Cy
24	.	.	.	.	CS 5 W	K 5 SW	CS 7 SW	0	0	KS 3	F	F	Cy
25	.08	.14	.	.22	c 3 SW	Hidden	Hidden	KS 3	KS 10 SW	N 10 W	F	Cy	LR
26	.28	.17	.16	.61	Hidden	CS 7 SW	Hidden	s 10	KS 5 SW	s 10 SW	Cy	Cy	Cy
27	.16	.	.	.16	Hidden	Hidden	Hidden	s 10 W	s 10 N	s 10 NE	Cy	Cy	Cy
28	.	.	T	T	0	Hidden	0	KS 8 W	KS 10 W	KS 3 SW	Cy	Cy	F
29	.	.	.	.	0	K 8 NW	c 5 W	0	0	0	Cr	Cy	F
30	.	.	.04	.04	c 3 W	K 5 SW	Hidden	0	KS 5 SW	s 10 SW	F	Cy	Cy
31	.	.	.18	.18	c 3 W	Hidden	Hidden	0	KS 10 SW	s 10 S	F	Cy	Cy
Total	.77	1.61	3.62	6.00									

REMARKS.

July 21. Rain, B. 7.50 P.M.; E. 8.15 P.M.
 22. { Rain, B. D. N.; E. D. N.
 { Hail, B. 2.25 P.M.; E. 3.30 P.M.
 23. Hail, B. 12.05 P.M.; E. 3.30 P.M.
 25. Rain & Hail, B. 4.20 P.M.; E. 6.25 P.M.

July 25. { Sleet, B. 12.15 P.M.; E. 12.45 P.M.
 { Rain, B. 9.00 P.M.; E. D. N.
 26. Rain, B. D. N.; E. D. N.
 26. Snow, { B. 8.15 A.M.; E. 9.00 A.M.
 { B. 6.10 P.M.; E. 8.20 P.M.

July 27. Snow, B. D. N.; E. D. N.
 28. Snow, B. 5.15 P.M.; E. 5.25 P.M.
 30. Rain, B. 7.30 P.M.; E. 8.45.
 31. Rain & Hail, B. 6.10 P.M.; E. 7.30 P.M.

AUGUST, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			24 Hours.		
														A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	1.06	1.06	1.05	1.06	34	48	40	41	56	34	90	50	100	sw 24	sw 24	s 12	403		
2	1.06	1.10	1.12	1.09	35	46	36	39	51	33	62	34	71	nw 12	nw 10	nw 8	300		
3	1.13	1.12	1.12	1.12	36	43	33	37	50	33	53	59	100	s 4	sw 16	w 36	177		
4	1.06	1.12	1.13	1.10	33	45	38	39	48	32	90	60	71	sw 40	sw 22	sw 20	737		
5	1.09	1.13	1.10	1.11	33	49	36	39	52	33	90	57	80	sw 32	sw 12	w 32	628		
6	1.09	1.10	1.09	1.09	34	39	36	36	48	34	80	82	100	n 8	sw 16	s 28	289		
7	1.10	1.16	1.16	1.14	35	50	39	41	54	34	53	33	72	w 26	s 16	s 24	454		
8	1.15	1.13	1.11	1.13	37	42	37	39	53	34	54	83	63	sw 24	se 12	sw 24	491		
9	1.09	1.05	.96	1.03	35	50	37	41	52	35	62	30	80	w 20	sw 12	sw 32	446		
10	.83	.95	.93	.90	29	47	36	37	51	29	100	22	45	w 50	sw 18	sw 26	726		
11	.93	1.02	1.06	1.00	30	43	37	37	48	30	79	36	24	sw 24	sw 16	n 12	649		
12	1.10	1.15	1.16	1.14	34	51	36	40	54	31	35	11	71	sw 12	w 18	s 12	271		
13	1.16	1.15	1.15	1.15	37	37	34	36	50	33	46	46	69	s 10	ne 18	s 24	269		
14	1.12	1.16	1.17	1.15	35	49	40	41	54	32	36	32	41	nw 20	w 4	n 6	337		
15	1.16	1.17	1.17	1.17	38	47	41	42	49	36	46	29	42	s 6	ne 8	s 12	104		
16	1.13	1.15	1.15	1.14	38	44	39	40	48	36	63	52	56	w 24	w 8	s 4	332		
17	1.14	1.12	1.11	1.12	36	39	34	36	42	34	62	82	90	e 12	s 18	sw 20	186		
18	1.04	1.09	1.09	1.07	33	48	40	40	53	33	80	37	65	w 40	sw 16	sw 12	699		
19	1.10	1.12	1.09	1.10	36	49	38	41	55	35	62	26	55	w 24	s 8	se 24	387		
20	1.06	1.06	1.07	1.06	35	44	38	39	54	34	70	54	63	w 24	se 12	s 16	425		
21	1.07	1.09	1.09	1.08	34	43	36	38	50	33	80	67	80	sw 16	sw 8	sw 20	338		
22	1.11	1.13	1.13	1.12	34	42	34	37	47	34	52	83	80	nw 8	w 6	e 6	256		
23	1.13	1.13	1.13	1.13	33	37	34	35	47	33	61	55	70	e 2	ne 8	e 8	165		
24	1.10	1.07	1.03	1.07	31	40	34	35	44	31	50	64	79	sw 10	s 24	se 28	226		
25	.96	.96	.98	.97	32	35	33	33	39	31	100	100	100	s 40	sw 30	sw 8	611		
26	.95	.96	.98	.96	33	42	35	37	46	33	100	83	90	nw 14	w 10	w 10	414		
27	.94	.94	.95	.94	32	42	31	35	48	31	79	50	69	w 10	sw 16	sw 12	274		
28	.94	1.03	1.07	1.01	30	47	37	38	53	28	41	23	63	nw 16	nw 12	sw 4	318		
29	1.09	1.13	1.13	1.12	30	46	36	37	50	30	89	34	80	sw 8	sw 12	s 18	188		
30	1.10	1.02	1.04	1.05	33	38	34	35	49	33	69	90	90	sw 16	w 40	w 30	350		
31	1.02	1.07	1.08	1.06	32	48	39	40	52	32	90	42	73	nw 28	w 12	sw 12	589		
Means	1.06	1.09	1.08	1.08	33.8	44.2	36.2	38.1	49.9	32.7	69	52	72	19.5	14.9	17.4	12039		

REMARKS.

Aug. 1. { Rain, B. 3.25 P.M.; E. 5.35 P.M.
 { Hail, B. 9.45 P.M.; E. 10.45 P.M.
 2. Sleet, { B. 10.35 A.M.; E. 12 M.
 { B. 6.00 P.M.; E. 7.30 P.M.
 2. Rain & Hail, B. 4.30 P.M.; E. 5.25 P.M.

Aug. 3. { Sleet, B. 2.05 P.M.; E. 4.25 P.M.
 { Snow, B. 4.40 P.M.; E. 5.50 P.M.
 Rain, B. 7.20 P.M.; E.D.N.
 5. Rain, { B. 6.10 P.M.; E. 6.15 P.M.
 { B. 7.10 P.M.; E. 7.30 P.M.

Aug. 5. Snow, B. 8.30 P.M.; E. 9.40 P.M.
 6. Hail, B. 12.55 P.M.; E. 2.50 P.M.
 8. Sleet, { B. 2.40 P.M.; E. 3.20 P.M.
 { B. D.N.; E.D.N.
 13. Hail, B. 10.55 A.M.; E. 3.50 P.M.

AUGUST, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.									Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07						
1	.	.03	.58	.61	0	K 5 SW	Hidden	s 5 SW	KS 5 SW	N 10 s			F	Cy	LR	
2	01	.48	T	.49	c 2 w	K 5 SW	0	s 2	KS 5 NW	s 2			F	Cy	F	
3	.	.18	.08	.26	CS 5 SW	Hidden	Hidden	Haze	KS 10 SW	N 10 w			Cy	Cy	HS	
4	T	.	.	T	CS 5 SW	CS 8 SW	CS 8 SW	Haze	0	0			F	Cy	Cy	
5	.	.	.04	.04	CS 7 SW	Hidden	Hidden	s 3 SW	KS 10 SW	N 10 w			Cy	Cy	LS	
6	T	.21	T	.21	CS 3 SW	Hidden	Hidden	0	N 10 SW	s 10 s			F	Hg	Cy	
7	0	K 5 SW	K 2	0	Haze	0			Cr	F	Cr	
8	.	.	.05	.05	CS 8 SW	Hidden	CS 5	Haze	N 10	0			Cy	Slt	F	
9	.03	.	.	.03	CS 2 SW	K 5 W	Hidden	0	0	s 10 SW			Cr	F	Cy	
10	Hidden	K 3 W	0	s 10 W	0	s 2			Cy	F	Cr	
11	0	K 5 W	0	s 2	Haze	s 2 SW			Cr	F	Cr	
12	0	K 3 W	CS 2	Haze	Haze	0			Cr	F	Cr	
13	.	.27	T	.27	CS 3	CS 7 W	Hidden	Haze	N 3 NE	s 10			F	LS	Cy	
14	CS 3 NW	K 8 W	0	0	0	KS 5 W			F	Cy	F	
15	.	.03	.	.03	0	K 8 SW	0	KS 2	0	s 5 W			Cr	Cy	F	
16	.	.01	.	.01	0	Hidden	0	KS 8 W	s 10 SW	s 3 SW			Cy	Cy	F	
17	.	.02	.13	.15	Hidden	Hidden	Hidden	s 10 s	s 10 SW	s 10 SW			Cy	Cy	Cy	
18	CS 2 W	Hidden	0	Haze	KS 10 SW	s 3 SW			F	Cy	F	
19	.	.	.01	.01	c 5 W	K 8 s	Hidden	Smoke	Smoke	KS 8 SW			F	Cy	Cy	
20	.	.02	.01	.03	CK 5 W	CS 3 W	0	Smoke	KS 7 SW	KS 8 s			F	Cy	Cy	
21	.	.15	.	.15	CS 3 SW	Hidden	CS 3 SW	Haze	KS 10 SW	Haze			F	Cy	F	
22	.	.34	T	.34	0	Hidden	0	KS 8 W	N 10 W	KS 8 W			Cy	Hg	Cy	
23	.	.01	T	.01	K 5 W	Hidden	CS 2 W	0	N 10 NE	0			F	LS	Cr	
24	CS 3 W	CS 5 W	Hidden	0	s 7 s	s 10			F	Cy	Cy	
25	.	.04	.06	.10	Hidden	Hidden	Hidden	s 10 s	s 10 SW	N 10 SW			Cy	Cy	LR	
26	.17	.	.37	.54	CS 10 W	Hidden	0	0	s 10 W	KS 8 SW			Cy	Cy	Cy	
27	CS 10 SW	K 5 SW	0	0	KS 5 SW	0			Cy	Cy	Cr	
28	0	K 5 NW	0	0	0	KS 7 NW			Cr	F	Cy	
29	0	K 5 SW	CS 10 NW	s 5 SW	0	0			F	F	Cy	
30	.	.39	T	.39	CS 10 W	Hidden	0	0	N 10 W	s 5 W			Cy	LS	F	
31	0	K 5 NW	0	0	KS 3 W	KS 3 SW			Cr	Cy	F	
Total	.21	2.18	1.33	3.72												

REMARKS.

Aug 15. Hall, B. 10.00 A.M.; E. 1.00 P.M.
 16. Sleet, B. 1.45 P.M.; E. 2.40 P.M.
 17. { Snow, B. 4.10 P.M.; E. 5.20 P.M.
 { Sleet, B. 6.45 A.M.; E. 7.40 A.M.
 19. Sleet, B. 3.45 P.M.; E. 4.20 P.M.

Aug. 20. { Hall, B. 2.20 P.M.; E. 2.40 P.M.
 { Snow, B. 4.20 P.M.; E. 5.00 P.M.
 21. Sleet, B. 1.40 P.M.; E. 2.39 P.M.
 22. Hall, B. 2.10 P.M.; E. 3.50 P.M.
 23. Snow, B. 12.55 P.M.; E. 2.50 P.M.

Aug. 25. { Snow, B. 9.45 A.M.; E. 10.50 A.M.
 { Rain, B. 8.05 P.M.; E. D. N.
 26. Rain, B. 3.50 P.M.; E. 5.10 P.M.
 30. Sleet, B. 12.55 P.M.; E. 2.55 P.M.

SEPTEMBER, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.				
	Direction and Velocity in Miles per Hour.			Move- ment.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.	
	A.M. 5.42	P.M. 2.42	P.M. 9.07															Mean.
1	1.06	1.09	1.08	1.08	33	48	36	39	52	32	69	43	65	W 24	W 8	SW 16	327	
2	1.03	.98	.98	1.00	32	30	27	30	37	28	100	100	100	SW 22	SW 24	W 22	467	
3	.95	.93	.93	.94	23	29	21	24	30	21	100	89	31	W 20	W 12	NW 36	366	
4	.93	.99	1.01	.98	27	34	29	30	37	20	19	27	68	NE 20	NW 12	SW 8	499	
5	.99	1.02	1.03	1.01	24	41	32	33	47	23	38	14	43	W 14	W 8	S 16	262	
6	1.02	1.04	1.04	1.03	29	45	35	37	50	28	48	10	36	W 20	SW 6	S 18	310	
7	1.05	1.04	1.03	1.04	34	42	36	37	50	31	60	35	37	W 4	SE 8	NE 10	246	
8	.95	.94	.92	.94	31	38	35	35	41	31	50	26	53	N 20	NE 22	NW 18	333	
9	.81	.84	.87	.84	31	45	34	37	49	31	60	19	27	W 36	SW 32	W 30	572	
10	.89	.87	.84	.87	27	39	32	33	44	27	32	27	42	W 30	SW 30	SW 36	559	
11	.78	.88	.91	.86	28	44	28	34	47	27	48	5	59	SW 55	SW 20	S 10	857	
12	.89	.92	.93	.91	21	35	28	28	39	21	100	52	77	SW 20	SW 16	SE 6	373	
13	.84	.84	.91	.86	25	23	22	23	30	20	100	100	100	SW 12	N 24	N 20	330	
14	.95	.97	.97	.96	21	28	26	25	36	20	100	78	77	0	NW 12	W 30	279	
15	.95	.97	.92	.95	23	37	30	30	44	23	74	37	60	W 24	NW 13	W 24	470	
16	.85	.75	.82	.81	25	27	22	25	38	22	88	77	32	W 36	NW 50	NW 32	639	
17	.74	.71	.73	.73	19	34	24	26	36	19	70	19	63	SW 40	SW 44	NW 24	868	
18	.69	.77	.81	.76	18	19	15	17	27	15	100	69	83	SW 16	W 20	W 32	557	
19	.82	.85	.86	.84	14	32	23	23	36	13	47	26	48	NW 24	W 16	SW 22	590	
20	.83	.89	.91	.88	22	35	24	27	40	15	46	62	74	W 24	S 20	SW 16	520	
21	.89	.93	.95	.92	21	25	24	23	38	21	100	77	87	SW 24	NW 20	E 4	435	
22	.90	.87	.87	.88	24	28	22	25	29	22	100	78	100	S 8	SW 2	N 12	203	
23	.88	.91	.93	.91	22	22	16	20	25	16	100	100	83	NE 16	NE 24	NE 28	...	
24	.90	.91	.90	.90	23	27	24	25	29	17	36	48	48	NE 36	NE 20	NE 22	603	
25	.86	.90	.96	.91	24	30	27	27	34	19	60	69	59	N 20	N 14	N 30	467	
26	.98	1.04	1.07	1.03	21	28	28	26	32	21	85	77	77	SW 14	W 17	NW 20	409	
27	1.08	1.09	1.10	1.09	26	33	28	29	38	26	67	27	78	N 16	W 10	SW 8	377	
28	1.06	1.08	1.07	1.07	27	34	29	30	37	27	77	52	48	NW 12	NE 6	NE 18	231	
29	1.07	1.09	1.08	1.08	26	36	28	30	46	26	77	37	59	N 14	E 6	E 5	288	
30	1.06	1.05	1.05	1.05	26	34	28	29	40	21	30	31	87	NE 12	N 2	N 6	199	
Means	.92	.94	.95	.94	24.9	33.5	27.1	28.6	38.6	22.8	69	50	63	21.1	17.3	19.3	12636	

REMARKS.

Sept. 1. { Snow, B. 6.00 P.M.; E. 6.05 P.M.
 { Sleet, B. 2.30 P.M.; E. 2.40 P.M.
 2. { Rain, B. D. N.; E. D. N.
 { Snow, B. 12.40 P.M.; E. 5.30 P.M.

Sept. 13. Snow, B. 8.30 A.M.; E. 3.10 P.M.
 16. Sleet, B. 12.35 P.M.; E. 12.55 P.M.
 18. Snow, B. 9.00 A.M., E. 10.50 A.M.

SEPTEMBER, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	T	T	T	cs 2 w	k 3 sw	0	0	ks 5 sw	ks 2 sw	Cr	Cy	F
2	.06	.38	T	.44	Hidden	Hidden	Hidden	s 10 sw	n 10 sw	s 10 w	Cy	LS	Cy
3	Hidden	Hidden	0	s 10 w	s 10 w	0	Cy	Cy	Cr
4	0	0	0	s 2	0	0	Cr	Cr	Cr
5	0	0	0	0	0	0	Cr	Cr	Cr
6	0	0	0	0	Haze	0	Cr	Cr	Cr
7	0	k 2 sw	0	Haze	Haze	0	Cr	Cr	Cr
8	0	k 2 w	0	ks 3	0	ks 3	Cr	Cr	Cr
9	0	0	0	Haze	Haze	Haze	Cr	Cr	Cr
10	0	0	0	Haze	Haze	Haze	Cr	Cr	Cr
11	0	k 5 sw	Hidden	Haze	Haze	s 7 sw	Cr	F	Cy
12	0	k 2 sw	cs 2 w	s 3 sw	Haze	ks 5	F	F	F
13	.	.24	T	.24	Hidden	Hidden	Hidden	s 10 sw	n 10	s 10 w	Cy	HS	Cy
14	0	0	0	ks 5 nw	ks 3 nw	0	Cg	F	Cr
15	0	k 5 w	0	ks 2	Haze	0	Cr	F	Cr
16	.	.10	.	.10	cs 7 w	Hidden	cs 3 nw	s 5 w	s 10 nw	0	Cy	Cy	F
17	0	k 5 sw	cs 3 nw	Haze	Haze	0	Cr	F	F
18	.	.01	T	.01	Hidden	Hidden	0	s 10 sw	n 10 w	0	Cy	LS	Cr
19	0	cs 2 w	0	0	0	0	Cr	Cr	Cr
20	.	.	T	T	c 3 w	cs 8 w	0	Haze	Haze	s 2	F	Cy	Cr
21	.	.05	.	.05	Hidden	Hidden	Hidden	s 10 sw	ks 10 w	s 10 e	Cy	Cy	Cy
22	.17	.75	.55	1.47	Hidden	Hidden	Hidden	s 10 s	n 10 sw	n 10 n	Cy	LS	LS
23	T	.	.	T	Hidden	Hidden	c 5 n	s 10 ne	s 10 ne	ks 5	Cy	Cy	Cg
24	0	0	k 3 n	s 2	ks 3	0	Cr	F	F
25	0	k 5 sw	0	ks 3	0	ks 3	F	F	F
26	0	0	0	Haze	Haze	Haze	Cr	Cr	Cr
27	0	0	0	0	Haze	Haze	Cr	Cr	Cr
28	0	0	0	0	Haze	Haze	Cr	Cr	Cr
29	0	0	0	0	Haze	Haze	Cr	Cr	Cr
30	0	0	0	0	s 7	0	Cr	F	Cr
Total	.23	1.53	.55	2.31									

REMARKS.

Sept. 18. Snow, B. 2.40 P.M.; E. 2.50 P.M.
 20. Snow, B. 5.25 P.M.; E. 5.40 P.M.
 21. Sleet, B. 11.50 A.M.; E. 12.15 P.M.

Sept. 22. Snow, { B. D. N.; E. D. N.
 B. 7.30 A.M.; E. 1.45 P.M.
 B. 2.30 P.M.; E. D. N.

OCTOBER, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	1.03	1.03	1.00	1.02	26	32	26	28	37	26	88	50	66	NE 10	E 11		NW 25	210
2	.91	.89	.89	.90	24	33	26	28	37	23	76	79	77	SW 36	SW 32	SW 24	642
3	.89	.86	.88	.88	24	27	25	25	32	24	87	88	88	SW 8	NE 7	S 16	404
4	.92	.96	.96	.95	23	30	25	26	34	23	74	100	100	SW 10	E 7	E 12	256
5	.88	.85	.84	.86	24	23	21	23	27	21	88	100	100	S 4	W 12	N 28	224
6	.86	.91	.96	.91	22	25	23	23	27	21	100	100	100	NE 16	N 12	N 10	424
7	.93	.99	1.02	.98	19	27	21	22	29	19	85	88	85	NW 4	W 10	N 16	203
8	1.01	1.02	1.03	1.02	18	25	24	22	27	17	85	76	88	N 11	NW 12	N 22	323
9	1.03	1.07	1.08	1.06	22	28	26	25	30	22	86	46	66	N 32	N 16	W 16	613
10	1.03	1.03	1.04	1.03	25	34	27	29	35	25	64	27	57	NW 28	NW 8	N 12	379
11	1.03	1.03	1.05	1.04	22	31	27	27	34	21	73	42	67	W 16	W 16	SW 18	263
12	1.03	1.04	1.03	1.03	25	36	26	29	37	21	76	45	77	SW 34	SW 10	SW 28	403
13	1.03	1.01	1.00	1.01	23	28	22	24	32	22	88	77	100	W 16	W 12	N 14	386
14	.91	.92	.95	.93	18	22	23	21	25	13	85	34	36	N 22	E 16	N 22	389
15	.94	.96	.95	.95	23	29	24	25	34	19	74	17	38	N 18	N 8	N 10	415
16	1.01	1.05	1.06	1.04	24	31	23	26	32	23	50	41	61	N 12	E 4	N 3	182
17	1.05	1.02	.98	1.02	21	29	19	23	33	19	72	59	70	S 4	S 8	S 14	107
18	.89	.82	.80	.84	18	28	21	22	31	18	69	77	85	SW 22	SW 28	S 24	373
19	.72	.74	.78	.75	19	25	20	21	29	19	85	64	100	SW 30	SW 12	S 10	541
20	.80	.85	.91	.85	15	16	14	15	18	14	100	100	82	S 11	NW 20	W 12	291
21	.94	1.02	1.05	1.00	18	22	23	21	24	12	39	46	36	N 24	W 16	NW 36	362
22	1.06	1.08	1.03	1.06	25	31	25	27	34	23	28	23	40	N 24	W 8	S 32	524
23	.94	.81	.61	.79	24	31	24	26	37	21	75	61	100	SW 30	S 11	S 40	537
24	.43	.57	.62	.54	9	18	14	14	22	8	100	69	65	S 36	SW 52	S 60	770
25	.59	.77	.86	.74	12	21	15	16	22	8	80	58	83	SW 48	W 36	SW 30	1212
26	.90	.92	.89	.90	16	23	19	19	27	16	83	61	85	W 40	S 40	S 50	728
27	.79	.53	.44	.59	22	21	7	17	24	8	100	100	100	SW 16	SW 54	S 68	797
28	.43	.56	.64	.54	1	4	2	2	8	0	100	74	100	W 60	W 55	W 22	1024
29	.69	.72	.77	.73	1	12	4	6	15	0	100	80	100	NW 25	W 22	NW 18	530
30	.75	.76	.79	.77	0	5	0	2	10	- 6	71	100	71	W 40	W 28	W 28	587
31	.75	.82	.84	.80	0	7	6	4	10	- 2	70	17	54	N 32	N 14	N 24	635
Means	.87	.89	.90	.89	18.2	24.4	19.4	20.6	27.5	16.1	79	64	77	23.2	19.3	24.0	14734

REMARKS.

Oct. 3. Snow, B. 1.35 P.M.; E. 10.03 P.M.
 4. Sleet, B. 2.04 P.M.; E. 9.12 P.M.
 5. Snow, B. D. N. of 4th; E. D. N. of 5th.
 6. Snow, B. 1.07 P.M.; E. 5.12 P.M.

Oct. 12. Snow, B. 7.30 P.M.; E. 7.37 P.M.
 13. Snow, { B. 1.35 P.M.; E. 2.31 P.M.
 { B. 3.10 P.M.; E. D. N.
 17. Snow, B. 1.30 P.M.; E. 1.50 P.M.

OCTOBER, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	0	0	Haze	Haze	Haze	Cr	Cr	Cr
2	.	.	.	.	Haze	κ 7 sw	Hidden	κs 3 sw	0	s 10	F	F	Cy
3	.	.06	.03	.09	Hidden	Hidden	Hidden	s 10	N 10	s 10	Cy	LS	Cy
4	T	.07	.14	.21	0	Hidden	Hidden	s 7	N 10	Fog	F	Slt	Fy
5	.05	.14	.18	.37	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	Slt	LS
6	.01	.02	T	.03	Hidden	Hidden	0	s 10 NE	N 10	Fog	Cy	LS	F
7	.	.	.	.	0	κ 5 sw	0	κ 7	Fog	s 3	F	F	F
8	.	.	.	.	0	c 3 NW	0	s 3	0	0	F	F	Cr
9	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
10	.	.	.	.	0	c 7	0	0	0	0	Cr	F	Cr
11	.	.	.	.	0	0	0	0	Haze	s 3	Cr	Cr	F
12	.	.	T	T	0	κ 3 sw	0	s 7	Haze	0	F	F	Cr
13	.	.02	.04	.06	c 3	Hidden	Hidden	s 3	s 10	N 10	F	Cy	LS
14	.11	.	.	.11	0	0	0	κ 5	0	0	F	Cr	Cr
15	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
16	.	.	.	.	0	κ 3	0	0	0	0	Cr	F	Cr
17	.	T	.	T	0	κ 5 s	0	0	0	0	Cr	F	Cr
18	.	.	.	.	0	κ 7 sw	κ 3	0	0	0	Cr	F	F
19	.	.	.02	.02	0	0	Hidden	s 7	κs 3 sw	N 10	F	F	LS
20	.14	.20	.02	.36	Hidden	Hidden	0	Fog	N 10	0	Fy	LS	Cr
21	.	.	.	.	0	0	0	s 3	Haze	Haze	F	Cr	Cr
22	.	.	.	.	0	c 3	0	Haze	0	0	Cr	F	Cr
23	.	T	.02	.02	κ 5	Hidden	Hidden	s 3	N 10	Fog	F	LS	Fy
24	.05	T	.	.05	Hidden	0	0	N 10	0	0	LS	Cr	Cr
25	.	.	.	.	κ 5 sw	0	0	0	0	0	F	Cr	Cr
26	.	.	.	.	0	0	Hidden	κ 3	0	s 10	F	Cr	Cy
27	.03	.07	.27	.37	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	HS	LS
28	T	.	.	T	Hidden	κ 3 w	Hidden	Fog	0	Fog	Fy	F	Fy
29	.	.11	.	.11	0	Hidden	0	s 3	s 10	Fog	F	Cy	F
30	.	.	.	.	0	κ 5 w	0	κ 5	κ 3	0	F	F	Cr
31	.	.	.	.	0	0	0	κ 5	0	0	F	Cr	Cr
Total	.39	.69	.72	1.80									

REMARKS.

Oct. 19. Snow, B. 5.50 P.M.; E. D. N.
 20. Snow, B. 10.20 A.M.; E. 7.50 P.M.
 23. Snow, { B. 2.37 P.M.; E. 2.55 P.M.
 { B. 4.20 P.M.; E. 8.10 P.M.

Oct. 24. Snow, B. D. N.; E. 6.10 A.M.
 27. Snow, B. D. N. of 26th; E. 9.15 P.M. of 27th.
 29. Snow, B. 11.10 A.M.; E. 1.20 P.M.

NOVEMBER, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.86	.80	.78	.81	11	17	14	14	20	7	61	7	30	w 16	w 22	w 28	445
2	.73	.74	.71	.73	14	21	12	16	24	12	82	18	26	w 44	w 20	sw 28	708
3	.60	.53	.47	.53	10	16	10	12	28	10	79	83	100	sw 40	sw 30	sw 32	762
4	.42	.48	.53	.48	4	11	8	8	13	2	76	61	78	sw 36	nw 44	w 60	639
5	.70	.73	.73	.72	16	19	16	17	21	9	83	70	100	sw 28	sw 44	sw 48	989
6	.65	.57	.46	.56	16	19	16	17	25	15	67	70	100	sw 64	sw 60	sw 44	....
7	.33	.47	.50	.43	- 3	4	4	2	19	- 3	67	75	50	w 20	w 48	w 56	....
8	.57	.67	.66	.63	5	16	13	11	19	1	76	67	65	w 70	w 40	w 65	1434
9	.65	.73	.71	.70	14	22	13	16	24	11	100	60	100	w 60	w 12	w 24	1122
10	.69	.71	.71	.70	11	20	16	16	23	10	100	71	100	w 40	w 30	sw 22	725
11	.73	.75	.79	.76	11	16	11	13	18	11	100	100	100	w 16	w 16	w 28	553
12	.85	.87	.82	.85	11	21	17	16	22	10	61	18	52	w 16	w 16	w 36	496
13	.65	.57	.57	.60	14	20	11	15	24	11	82	71	80	w 62	sw 60	w 32	1106
14	.61	.68	.70	.66	2	13	9	8	17	- 4	46	63	79	w 36	sw 40	w 36	968
15	.73	.68	.63	.68	6	15	9	10	18	6	54	48	90	sw 28	sw 26	s 38	836
16	.63	.64	.65	.64	3	12	5	7	16	3	87	44	76	s 22	sw 24	sw 28	729
17	.61	.63	.65	.63	1	10	6	6	14	1	86	70	100	sw 38	sw 32	sw 28	673
18	.64	.58	.59	.60	8	11	6	8	13	6	100	100	100	sw 13	s 18	s 15	550
19	.53	.53	.52	.53	3	6	2	4	8	2	100	100	100	n 12	w 31	sw 38	434
20	.53	.53	.50	.52	3	8	8	6	10	- 1	74	57	78	nw 46	w 40	w 50	697
21	.43	.35	.28	.35	7	11	9	9	15	4	78	80	100	w 60	sw 32	sw 29	1053
22	.17	.24	.54	.32	- 1	0	- 4	- 2	3	- 5	100	100	100	nw 65	w 52	w 48	712
23	.48	.53	.57	.53	- 2	11	10	6	13	- 7	100	100	100	w 75	w 40	w 38	1215
24	.57	.69	.70	.65	9	12	10	10	15	9	100	100	100	w 65	n 28	n 55	641
25	.75	.68	.57	.67	14	22	19	18	23	10	100	60	100	n 35	w 44	w 40	892
26	.49	.50	.48	.49	15	20	12	16	22	12	100	85	100	w 20	w 22	sw 21	775
27	.49	.58	.63	.57	0	- 3	- 6	- 3	1	- 6	100	100	100	w 34	nw 16	w 55	505
28	.83	.86	.88	.86	1	12	11	8	14	- 8	100	62	80	n 35	nw 55	nw 58	720
29	.90	.89	.88	.89	14	16	14	15	21	11	100	67	65	n 26	w 9	0	800
30	.86	.87	.88	.87	18	22	24	21	25	14	53	20	25	n 25	n 7	n 15	452
Means	.62	.64	.64	.63	7.9	14.0	10.2	10.7	17.6	5.1	84	68	82	38.2	31.9	36.5	21631*

REMARKS.

Nov. 3. Snow, B. 2.30 P.M.; E. 9.30 P.M.
6. " B. 8.15 P.M.; E. D.N.

Nov. 10. Snow B. 8.50 P.M.; E. 9.20 P.M.

* For 28 days.

NOVEMBER, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	0	0	0	0	0	Cr	Cr	Cr
2	0	0	0	s 7	s 3	0	F	F	Cr
3	.	T	.02	.02	0	Hidden	Hidden	s 7	N 10	N 10	F	LS	LS
4	T	.	.	T	0	0	0	0	0	0	Cr	Cr	Cr
5	0	0	0	0	0	0	Cr	Cr	Cr
6	.	.	T	T	0	ck 5 s	Hidden	s 3	0	N 10	F	F	LS
7	.02	.	.	.02	Hidden	0	0	s 10	0	0	Cy	Cr	Cr
8	0	cs 3 w	0	s 3	0	0	F	F	Cr
9	0	c 7 w	0	s 3	0	s 5	F	F	F
10	.	.	T	T	0	Hidden	Hidden	s 7	s 10	N 10	F	Cy	LS
11	T	.	.	T	0	0	0	Fog	Fog	0	F	F	Cr
12	0	c 5	0	0	0	s 3	Cr	F	F
13	0	cs 3	0	s 3	0	0	F	F	Cr
14	0	0	0	0	0	0	Cr	Cr	Cr
15	0	ck 7 s	0	s 7	0	0	F	F	Cr
16	0	0	0	0	0	0	Cr	Cr	Cr
17	0	ck 5 sw	0	k 3	k 3	s 7	F	F	F
18	.04	.02	.	.06	Hidden	Hidden	Hidden	N 10	Fog	Fog	LS	Fy	Fy
19	ck 3 NW	k 7 w	Hidden	k 5	0	Fog	F	F	Fy
20	0	c 5 w	c 3 NW	s 3	s 3	0	F	F	F
21	0	0	Hidden	s 3	0	Fog	F	Cr	Fy
22	Hidden	Hidden	Hidden	s 10	Fog	Fog	Cy	Fy	Fy
23	0	k 3 w	Hidden	s 7	s 3	Fog	F	F	Fy
24	Hidden	k 5 w	0	Fog	0	s 3	Fy	F	F
25	0	0	Hidden	0	Haze	Fog	Cr	Cr	Fy
26	.	.	.19	.19	0	k 5 w	Hidden	Fog	ks 3 w	N 10	F	F	LS
27	.07	.	.	.07	0	0	0	s 5	Fog	Fog	F	F	F
28	0	ck 3 NW	0	s 3	s 5	s 3	F	F	F
29	Hidden	ck 3 N	0	s 10	0	0	Cy	F	Cr
30	0	0	0	s 3	s 7	s 3	F	F	F
Total	.13	.02	.21	.36									

REMARKS.

Nov. 18. Snow B. D. N.; E. 2.20 P.M.

Nov. 26. Snow B. 7.00 P.M.; E. D. N.

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DECEMBER, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			Move- ment. 24 Hours.			
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.						
														A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	.90	.84	.75	.83	21	26	18	22	29	18	85	19	39	0	W	35	SW	46	126	
2	.75	.85	.88	.83	14	15	13	14	19	13	82	49	81	SW	40	W	20	SW	14	1035
3	.84	.75	.69	.76	13	20	14	16	22	12	81	29	47	SW	28	SW	36	W	44	565
4	.68	.71	.79	.73	6	1	6	4	15	0	77	100	54	SW	20	W	16	NE	16	652
5	.88	.94	.96	.93	7	12	10	10	15	7	78	62	60	N	24	N	24	S	25	515
6	.94	.97	.94	.95	12	17	14	14	21	8	62	21	47	N	34	N	20	N	32	694
7	.93	.92	.88	.91	19	21	18	19	23	14	27	5	10	N	27	NW	20	NW	40	600
8	.75	.82	.78	.78	17	21	14	17	23	14	52	5	30	W	60	W	22	W	32	885
9	.76	.75	.76	.76	11	16	10	12	20	10	80	35	79	W	28	W	40	NW	45	740
10	.81	.81	.81	.81	13	18	14	15	20	10	81	24	65	N	20	SW	36	W	32	645
11	.83	.81	.78	.81	16	22	14	17	23	13	67	34	30	N	5	0	0	0	0	500
12	.71	.68	.70	.70	11	14	12	12	19	10	61	13	44	W	12	NW	19	0	0	276
13	.72	.73	.77	.74	6	10	7	8	15	5	54	40	43	NW	7	N	5	N	7	235
14	.79	.77	.72	.76	14	16	8	13	18	8	48	35	78	N	18	S	32	S	16	327
15	.59	.37	.37	.44	9	6	-1	5	13	-1	79	77	100	W	12	NW	26	W	40	455
16	.46	.50	.55	.50	-2	2	-4	-1	5	-4	100	100	100	W	20	SW	12	SE	3	584
17	.59	.64	.66	.63	-7	-8	-1	-5	0	-9	61	59	70	SW	4	NW	14	N	40	245
18	.67	.64	.63	.64	2	9	6	6	11	-1	73	17	31	N	16	N	6	N	12	450
19	.57	.63	.63	.61	5	8	-4	3	12	-4	52	36	66	N	6	SW	12	SW	24	165
20	.55	.49	.43	.49	0	8	0	3	11	-3	72	15	72	SW	48	SW	25	NW	10	668
21	.29	.36	.41	.35	-7	-11	-2	-7	1	-11	100	100	100	NE	30	NW	20	N	45	505
22	.39	.35	.34	.36	0	4	-3	0	6	-3	100	50	100	NW	40	W	55	W	48	860
23	.34	.53	.60	.49	-14	-4	0	-6	1	-15	100	66	72	W	45	N	45	W	20	965
24	.49	.38	.38	.42	3	7	1	4	10	-2	74	33	72	W	60	SW	65	SW	50	1035
25	[.32]	.31	.35	.33	[-3]	1	-3	-2	3	-4	[85]	72	84	[SW	40]	S	40	SW	17	1000
26	.33	.25	.26	.28	-5	0	-2	-2	1	-5	100	100	100	S	22	SW	12	SW	20	575
27	.18	.22	.27	.22	-8	-3	-7	-6	0	-10	100	100	100	S	15	S	32	SW	22	385
28	.26	.36	.43	.35	-10	-4	-9	-8	-3	-11	78	83	100	NW	60	W	30	W	40	765
29	.60	.63	.63	.62	4	9	1	5	12	-9	75	79	100	W	15	SW	20	SW	25	540
30	.62	.57	.59	.59	-2	8	-1	2	10	-2	100	89	100	SW	10	S	8	S	8	485
31	.56	.57	.58	.57	-1	3	2	1	9	-2	100	74	100	W	32	NW	24	W	20	381
Means	.62	.62	.62	.62	4.6	8.5	4.6	6.0	12.4	1.5	77	52	70	25.7	24.9	25.6				17858

REMARKS.

Dec. 4. Snow, B. 6.00 A.M.; E. 8.15 A.M.

Dec. 16. Snow, B. 11.40 A.M.; E. 10.00 P.M.

DECEMBER, 1874.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.				
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07		
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07					
1	0	0	0	0	0	0			Cr	Cr	Cr
2	0	0	0	0	0	0			Cr	Cr	Cr
3	0	0	0	0	0	s 3			Cr	Cr	F
4	.	T	.	T	0	0	0	s 7	k 3				F	F	Cr
5	0	0	0	0	0	0			Cr	Cr	Cr
6	0	0	0	s 3	0	0			F	Cr	Cr
7	0	0	0	0	0	s 7			Cr	Cr	F
8	0	0	0	s 3	s 7	w			F	F	Cr
9	0	ck 7	w	0	0	0			Cr	F	Cr
10	0	cs 1	w	0	0	0			Cr	Cr	Cr
11	Hidden	c 5		0	s 10	0	0		Cy	F	Cr
12	0	0	0	0	0	0			Cr	Cr	Cr
13	0	0	0	s 3	0	0			F	Cr	Cr
14	0	c 3	s	0	s 3	0	0		F	F	Cr
15	Hidden	Hidden	0	s 10	s 10	0			Cy	Cy	Cr
16	.	.07	.08	.15	0	Hidden	Hidden	s 3	N 10	N 10			F	LS	LS
17	.02	.	.	.02	0	0	0	0	k 3	0			Cr	F	Cr
18	0	0	0	0	0	0			Cr	Cr	Cr
19	0	0	0	0	0	0			Cr	Cr	Cr
20	0	c 5	w	0	0	0	s 7		Cr	F	F
21	0	k 3	NW	k 3	NW	s 5	0	0	F	F	F
22	0	0	Hidden	ks 7	NW	ks 3	w	Fog	F	F	Fy
23	0	0	0	s 3	0	0			F	Cr	Cr
24	0	c 7		0	0	0			Cr	F	Cr
25	[0]	0	0	[0]	k 3	w	ks 7	w	[Cr]	F	F
26	0	Hidden	Hidden	0	Fog	Fog			Cr	Fy	Fy
27	.	.	T	T	Hidden	Hidden	Hidden	Fog	Fog	N 10			Fy	Fy	LS
28	.05	.	.	.05	0	k 7	sw	0	0	0			Cr	F	Cr
29	0	0	0	0	0	0			Cr	Cr	Cr
30	.	T	T	T	0	Hidden	0	0	0	N 10	ks 3		Cr	LS	F
31	0	0	0	ks 3	0	0			F	Cr	Cr
Total	.07	.07	.08	.22											

REMARKS.

Dec. 27. Snow, B. 8.30 P.M.; E. D. N.

Dec. 30. Snow, B. 1.55 P.M.; E. 3.00 P.M.

JANUARY, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.54	.59	.60	.58	5	3	0	3	6	0	100	100	100	NW 24	NW 25		w 50	518
2	.50	.57	.55	.54	9	7	3	6	11	0	79	100	100	w 44	NW 50	NW 42	946
3	.47	.44	.43	.45	- 5	- 3	- 6	- 5	4	- 6	100	100	100	w 40	w 37	SW 45	850
4	.35	.36	.32	.34	- 9	- 6	- 7	- 7	- 5	-10	100	100	100	w 25	w 32	SW 42	800
5	.20	.21	.25	.22	- 6	- 1	- 8	- 5	0	- 9	100	100	100	SW 22	SW 15	w 5	645
6	.26	.18	.23	.22	-14	- 8	-17	-13	- 7	-17	73	59	70	SW 21	w 48	w 40	440
7	.27	.31	.30	.29	-11	1	- 2	- 4	4	-17	100	100	100	w 62	SW 62	w 45	1120
8	.25	.27	.34	.29	- 3	- 1	- 7	- 4	0	- 7	100	100	100	SW 22	w 42	SW 26	940
9	.33	.35	.33	.34	-19	- 2	- 6	- 9	0	-21	100	100	100	SW 38	w 60	w 42	883
10	.27	.34	.33	.31	-11	0	- 5	- 5	4	-12	100	100	100	w 40	SW 50	w 40	984
11	.17	.18	.14	.16	- 6	1	1	- 1	5	- 7	100	100	100	w 35	SW 25	SW 10	765
12	.11	.08	.10	.10	- 5	- 3	-13	- 7	5	-13	100	100	100	SW 1	SW 24	w 32	318
13	.11	.25	.32	.23	-12	- 4	- 4	- 7	- 2	-17	100	100	100	SW 36	SW 24	SW 38	683
14	.37	.40	.39	.39	0	7	4	4	10	- 3	100	100	100	SW 36	SW 28	SW 45	565
15	.33	.37	.34	.35	5	11	9	8	12	5	100	100	100	SW 54	s 40	SW 45	923
16	*	.49	.44	.47	*	14	10	12	19	8	*	100	100	*	SW 40	SW 55	555
17	.39	.41	.52	.41	9	15	11	12	18	9	100	100	100	s 20	s 42	SW 18	680
18	.51	.50	.55	.52	10	14	12	12	16	10	100	100	100	SW 20	w 35	w 20	500
19	.59	.61	.56	.59	9	16	14	13	19	9	100	83	82	w 30	w 38	w 55	625
20	.47	.48	.46	.47	13	9	5	9	19	5	100	89	76	w 40	SW 30	w 25	980
21	.42	.49	.57	.49	- 1	- 9	- 6	- 5	6	-10	100	56	63	SW 15	NW 28	w 16	1135
22	.51	.43	.38	.44	- 2	- 1	- 3	- 2	0	- 7	84	70	67	w 32	w 42	w 46	654
23	.35	.41	.46	.41	-10	- 7	- 8	- 8	- 2	-10	78	61	59	w 32	w 20	w 30	883
24	.50	.55	.53	.53	- 2	3	- 3	- 1	5	-10	68	22	67	NW 20	w 12	SW 20	465
25	.43	.43	.45	.44	- 3	3	3	1	5	- 3	84	61	100	SW 22	w 20	w 18	380
26	.41	.47	.49	.46	1	11	8	7	13	1	100	80	100	SW 12	SW 12	0	360
27	.39	.37	.42	.39	7	4	- 1	3	12	- 1	100	100	100	s 4	SW 12	w 15	240
28	.36	.35	.44	.38	- 5	1	- 2	- 2	3	- 5	100	72	84	0	N 16	N 15	180
29	.38	.45	.38	.40	- 9	- 1	- 7	- 6	1	- 9	100	39	61	w 34	w 26	NW 20	517
30	.37	.39	.42	.39	-11	- 8	- 7	- 9	- 5	-11	54	61	100	N 20	N 21	NW 32	480
31	.50	.56	.58	.55	6	9	8	8	12	- 9	54	58	56	NW 30	w 40	w 30	659
Means	.37	.40	.41	.39	-2.3	2.4	-0.8	-0.2	6.1	-5.4	92	84	90	28	32	31	20673

REMARKS.

Jan. 5. Snow, B. 7.10 P.M.; E. D. N.
8. " B. 4.30 P.M.; E. D. N.

Jan. 12. Snow, B. D. N.; E. 6.15 A.M. of 13th.
13. " B. 11.00 A.M.; E. 2.25 P.M.

* Jan. 16, no record, 5.42 A.M.

JANUARY, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	c 7	0	0	0	s 3	Cr	F	F
2	.	.	.	.	0	Hidden	0	s 3	s 10	s 5	F	Cy	F
3	.	.	.	.	Hidden	κ 5 w	0	Fog	0	0	Fy	F	Cr
4	.	.	.	.	0	κ 5 w	Hidden	Fog	0	Fog	F	F	Fy
5	.	.	.07	.07	Hidden	Hidden	Hidden	Fog	Fog	N 10	Fy	Fy	LS
6	T	.	.	T	0	0	0	0	0	0	Cr	Cr	Cr
7	.	.	.	.	0	0	Hidden	s 5	Fog	Fog	F	F	Fy
8	.	.	.11	.11	Hidden	Hidden	Hidden	Fog	Fog	N 10	Fy	Fy	LS
9	.03	.	.	.03	0	0	Hidden	s 5	0	s 10	F	Cr	Cy
10	.	.	.	.	0	κ 5 sw	0	s 3	0	0	F	F	Cr
11	.	.	.	.	0	Hidden	Hidden	0	Fog	Fog	Cr	Fy	Fy
12	.07	.05	.06	.18	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
13	.03	.01	.	.04	Hidden	Hidden	Hidden	N 10	Fog	Fog	LS	Fy	Fy
14	.	.	.	.	0	Hidden	0	0	Fog	Fog	Cr	Fy	F
15	.	.	.	.	0	Hidden	Hidden	Fog	Fog	Fog	F	Fy	Fy
16	*	.	.	.	*	Hidden	Hidden	*	Fog	Fog	*	Fy	Fy
17	.	.	.	.	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
18	.	.	.	.	0	Hidden	Hidden	Fog	Fog	Fog	F	Fy	Fy
19	.	.	.	.	0	ck 3 s	c 3	s 3	0	0	F	F	F
20	.	.02	.	.02	0	Hidden	0	ks 3	ks 10	ks 3	F	Cy	F
21	.10	T	.	.10	Hidden	0	0	N 10	0	κ 3	LS	Cr	F
22	.	.	.	.	0	0	0	KS 3	0	s 3	F	Cr	F
23	.	.	.	.	0	κ 3 w	0	KS 3 w	0	0	F	F	Cr
24	.	.	.	.	0	ck 7	0	KS 3	0	0	F	F	Cr
25	.	.	.	.	Hidden	0	0	s 10	0	Fog	Cy	Cr	F
26	.	.	T	T	0	κ 7 w	Hidden	s 3	0	N 10	F	F	LS
27	.11	.10	.	.21	Hidden	Hidden	0	N 10	s 10	Fog	LS	Cy	F
28	.	.	.	.	0	0	0	0	s 3	0	Cr	F	Cr
29	.	.	.	.	Hidden	0	0	Fog	Fog	0	Fy	F	Cr
30	.	.	.	.	0	0	0	s 3	Fog	Fog	F	F	F
31	.	.	.	.	0	0	0	0	s 3	s 3	Cr	F	F
Total	.34	.18	.24	.76									

REMARKS.

Jan. 20. Snow, B. 1.30 P.M.; E. 1.55 P.M.
22. " B. D. N.; E. 11.15 A.M.

Jan. 26. Snow, B. 9.00 P.M.; E. 8.00 A.M. of 27th.

* Jan. 16, no record, 5.42 A.M.

FEBRUARY, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.	
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42		P.M. 9.07
1	.43	.38	.33	.38	5	5	-3	2	15	-9	76	76	67	W 34	SW 24	W 20	680
2	.15	.07	.13	.12	-6	-22	-28	-19	-1	-28	100	100	100	SW 16	NW 28	W 55	597
3	.19	.31	.48	.33	-26	-10	-5	-14	-3	-37	100	100	100	NW ..	NW 52	N 30	1237
4	.61	.51	.58	.57	-1	3	-4	-1	5	-8	100	74	83	NW 30	W 26	NW 44	694
5	.68	.75	.71	.71	8	12	7	9	15	-5	78	25	78	NW 20	NW 12	W 40	692
6	.70	.75	.78	.74	0	6	1	2	9	0	72	54	72	N 54	W 36	NW 40	916
7	.80	.80	.78	.79	13	16	14	14	19	2	81	50	65	N 30	NW 32	N 30	787
8	.73	.70	.63	.69	15	19	12	15	23	12	66	27	44	N 28	0	S 28	561
9	.49	.36	.35	.40	7	10	6	8	13	6	78	79	100	SW 34	W 36	SW 14	608
10	.29	.34	.39	.34	-12	-8	-14	-11	7	-14	100	100	100	W 25	NW 25	W 52	587
11	.39	.49	.52	.47	-9	6	3	0	9	-13	56	54	74	NW 72	W 64	W 54	1152
12	.51	.57	.57	.55	5	12	6	8	14	3	76	26	77	W 56	W 40	W 46	1201
13	.54	.60	.62	.59	2	12	2	5	15	2	73	62	73	W 44	W 22	W 22	995
14	.61	.67	.70	.66	-4	6	2	1	8	-5	100	77	73	W 25	NW 15	NW 22	515
15	.69	.69	.67	.68	-1	1	-14	-5	3	-14	85	72	74	N 30	W 12	NW 16	522
16	.63	.60	.59	.61	-9	1	-5	-4	3	-15	100	73	82	N 8	W 5	W 10	165
17	.55	.51	.46	.51	-4	10	3	3	13	-7	100	79	74	W 30	W 30	W 22	381
18	.29	.27	.29	.28	-8	-2	-3	-4	5	-9	100	100	100	W 16	W 22	W 12	510
19	.20	.29	.30	.26	-10	-6	-24	-13	-2	-24	100	100	100	N 18	N 32	NW 52	492
20	.31	.38	.39	.36	-20	-4	-6	-10	-3	-26	100	100	100	W 60	W 20	NW 48	1020
21	.22	.25	.27	.25	-8	-2	-4	-5	-1	-11	100	100	100	W 28	W 38	W 16	764
22	.23	.24	.21	.23	-12	-2	-4	-6	-1	-15	100	100	100	W 16	W 18	SW 11	475
23	.05	.06	.09	.07	3	6	1	3	8	-4	100	100	100	NW 3	W 17	W 16	215
24	.13	.22	.27	.21	6	10	-10	2	11	-10	100	100	100	0	NW 25	W 64	287
25	.39	.52	.50	.47	-19	-3	-6	-9	-2	-21	100	83	100	W 86	W 48	W 58	...
26	.46	.61	.66	.58	1	4	2	2	6	-5	100	75	73	W 46	NW 32	W 34	1084
27	.67	.60	.48	.58	9	16	10	12	18	2	79	50	79	W 38	W 25	W 52	677
28	.27	.23	.22	.24	6	8	6	7	11	5	100	100	100	W 50	W 20	W 12	909
Means	.44	.46	.46	.45	-2.5	3.7	-2.0	-0.3	7.8	-8.9	90	76	85	33*	27	33	18723*

REMARKS.

Feb. 9. Snow, B. 5.50 P.M.; E. D. N.

Feb. 18. Snow, B. 11.30 A.M.; E. 7.10 P.M.

* For 27 days.

FEBRUARY, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	Hidden	Hidden	0	s 10 sw	s 10	Cr	Cy	Cy
2	Hidden	κ 7 NW	0	Fog	Fog	0	Fy	Cy	Cr
3	Hidden	0	0	Fog	Fog	Fog	Fy	F	F
4	0	0	0	s 3	s 7	0	F	F	Cr
5	0	0	0	0	s 7	0	Cr	F	Cr
6	Hidden	c 3	0	ks 10 NW	0	s 3	Cy	F	F
7	0	0	0	s 7	0	0	F	Cr	Cr
8	c 3	c 3	0	0	0	s 3	F	F	F
9	.	.	.03	.03	0	Hidden	Hidden	s 7	ks 10 w	N 10	F	Cy	LS
10	.04	.	.	.04	Hidden	Hidden	0	Fog	Fog	Fog	Fy	Fy	F
11	0	c 5	0	0	0	0	Cr	F	Cr
12	0	0	0	0	0	0	Cr	Cr	Cr
13	0	κ 7 w	0	0	0	0	Cr	F	Cr
14	0	c 7	0	Fog	0	s 5	F	F	F
15	0	c 5	0	s 3	0	0	F	F	Cr
16	0	Hidden	0	Fog	s 10	s 7	F	Cg	F
17	Hidden	κ 7 w	Hidden	s 10	0	s 10	Cy	F	Cy
18	.	.07	.04	.11	Hidden	Hidden	Hidden	Fog	N 10	Fog	Fy	LS	Fy
19	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
20	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
21	Hidden	0	0	Fog	Fog	Fog	Fy	Fy	Fy
22	.	.	.11	.11	Hidden	Hidden	Hidden	Fog	Fog	N 10	Fy	Fy	LS
23	T	.	.	T	0	Hidden	Hidden	Fog	Fog	Fog	F	Fy	Fy
24	.21	.	.	.21	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
25	Hidden	c 5	0	Fog	0	Fog	Fy	F	F
26	0	0	0	Fog	0	s 3	F	Cr	F
27	0	c 7	0	0	0	0	Cr	F	Cr
28	Hidden	0	0	Fog	Fog	Fog	Fy	F	F
Total	.25	.07	.18	.50									

REMARKS.

Feb. 22. Snow, B. 3.00 P.M.; E. D. N.

Feb. 24. Snow, B. 9.25 P.M. of 23d; E. D. N.

MARCH, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Movement.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.21	.27	.34	.27	- 8	1	-14	- 7	5	-14	100	100	100	W 8	W 1	N 16	290		
2	.35	.36	.41	.37	-16	- 5	0	- 7	1	-16	100	100	100	NE 2	N 30	NW 28	200		
3	.43	.27	.28	.33	- 1	3	- 3	0	8	-16	100	100	100	SW 20	SW 25	SW 16	543		
4	.18	.18	.22	.19	-11	- 5	-15	-10	- 1	-15	100	100	100	W 22	W 15	W 28	445		
5	.22	.31	.41	.31	-16	-12	-16	-15	- 5	-17	100	100	100	W 6	NW 28	NW 16	383		
6	.47	.54	.58	.53	-14	4	11	0	15	-16	100	75	61	N 18	N 40	NW 15	478		
7	.37	.39	.40	.39	0	1	- 6	- 2	16	- 6	71	100	100	W 54	W 30	W 46	886		
8	.44	.49	.56	.50	- 9	- 7	-13	-10	4	-13	100	100	100	W 20	NW 9	W 22	697		
9	.61	.61	.59	.60	- 6	- 1	- 1	- 3	6	-15	100	100	100	N 40	NW 22	W 30	684		
10	.52	.38	.39	.43	4	7	-11	0	12	-11	100	100	100	W 52	W 30	W 48	880		
11	.38	.32	.30	.33	- 5	3	- 9	- 4	6	-12	100	100	100	W 35	SW 32	W 28	857		
12	.24	.32	.34	.30	-11	5	1	- 2	8	-12	100	100	100	NW 50	W 48	SW 52	911		
13	.34	.25	.28	.29	2	11	5	6	13	- 7	100	100	100	SW 48	SW 45	SW 34	1079		
14	.19	.13	.17	.16	- 8	-17	-25	-17	6	-25	100	100	100	SW 12	NW 8	NW 38	536		
15	.09	.20	.25	.18	-28	-18	-18	-21	-15	-29	100	100	100	NW 52	NW 16	W 18	699		
16	.28	.43	.47	.39	-20	- 5	- 7	-11	- 2	-21	100	100	100	NW 30	NW 34	NW 28	538		
17	.34	.25	.24	.28	- 5	6	- 6	- 2	7	- 7	100	100	100	NW 38	NW 20	NW 16	702		
18	.27	.24	.26	.26	- 4	4	- 4	- 1	7	-12	100	100	100	SW 12	SW 16	SW 16	325		
19	.24	.24	.24	.24	- 6	- 4	- 5	- 5	1	- 9	100	100	100	SW 12	W 20	SW 44	324		
20	.20	.24	.30	.25	- 8	- 9	-13	-10	- 4	-13	100	100	100	NW 24	NW 36	W 40	752		
21	.41	.57	.60	.53	- 9	7	2	0	8	-13	100	55	100	W 48	NE 44	NW 44	1030		
22	.52	.53	.55	.53	6	14	10	10	15	- 8	100	100	100	NW 48	W 44	W 48	1109		
23	.50	.63	.70	.61	7	13	9	10	14	- 8	100	100	100	SW 40	SW 24	W 16	1003		
24	.68	.72	.69	.70	6	16	15	12	18	6	100	100	100	SW 20	NW 44	NW 54	394		
25	.63	.59	.66	.63	13	21	12	15	22	12	100	72	100	W 48	SW 36	SW 30	1046		
26	.65	.66	.67	.66	8	19	10	12	22	8	100	69	100	SW 40	SW 36	W 26	882		
27	.60	.56	.65	.60	7	16	11	11	17	7	100	100	100	W 28	W 36	W 24	774		
28	.68	.59	.58	.62	6	18	7	10	19	6	100	85	100	W 32	W 40	W 42	778		
29	.44	.44	.52	.47	5	21	9	12	22	5	100	85	100	NW 46	NW 36	NW 24	1127		
30	.34	.30	.25	.30	4	6	- 9	0	10	- 9	100	100	100	SW 12	SW 8	SW 24	545		
31	.34	.41	.49	.41	-22	-12	-17	-17	- 8	-22	100	100	100	NW 28	NW 10	NW 20	494		
Means	.39	.40	.43	.41	-4.5	3.3	-2.9	-1.3	8.0	-9.7	99	95	99	30	28	30	21391		

REMARKS.

March 1. Snow, { B. 10.50 P.M. of Feb. 28; E. D. N.
 B. 1.10 P.M.; E. D. N.
 3. " B. D. N.; E. 8.30 A.M.

March 5. Snow, B. 9.30 A.M.; E. 10.10 A.M.
 14. " B. 6.30 A.M.; E. 8.00 P.M.

MARCH, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.17	.07	.16	.40	Hidden	Hidden	Hidden	Fog	N 10	N 10	Fy LS LS		
2	.01	.	.	.01	0	0	0	Fog	Fog	Fog	F F F		
3	.02	.03	.	.05	Hidden	0	0	N 10	K 5 sw	Fog	LS F F		
4	0	Hidden	0	Fog	Fog	Fog	F Fy F		
5	.	T	.	T	0	0	Hidden	Fog	Fog	Fog	F F Fy		
6	0	0	0	0	0	s 3	Cr Cr F		
7	0	Hidden	0	0	Fog	Fog	Cr Fy F		
8	Hidden	0	0	Fog	s 7	Fog	Fy F F		
9	0	0	0	0	s 7	Fog	Cr F F		
10	0	0	0	Fog	s 7	Fog	F F F		
11	0	0	0	Fog	s 7	Fog	F F F		
12	Hidden	0	0	Fog	0	Fog	Fy Cr F		
13	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy Fy Fy		
14	.	.20	.07	.27	Hidden	Hidden	Hidden	Fog	N 10	Fog	Fy LS Fy		
15	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy Fy Fy		
16	Hidden	Hidden	0	Fog	s 10	0	Fy Cy Cr		
17	Hidden	Hidden	Hidden	Fog	Fog	ks 10 sw	Fy Fy Cy		
18	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy Fy Fy		
19	Hidden	c 3 s	K 5 N	Fog	0	0	Fy F F		
20	Hidden	Hidden	0	Fog	Fog	s 3 NW	Fy Fy F		
21	0	K 3 s	c 2	s 5	0	0	F F Cr		
22	0	K 2	0	0	0	ks 3	Cr Cr F		
23	.	.	.06	.06	0	Hidden	Hidden	Fog	s 10 E	N 10	F Cy LS		
24	.12	.	.	.12	c 2 E	c 3 s	0	s 3	0	s 3 W	F Cr F		
25	0	K 3 s	0	s 3 s	0	0	Cr F Cr		
26	c 5 s	K 3 N	0	s 2	0	0	F F Cr		
27	K 3 E	K 5 W	0	s 3	0	0	F F Cr		
28	0	K 10 W	0	s 5 SW	0	0	F Cy Cr		
29	K 5 W	K 3 W	0	s 2	0	s 3 s	F F F		
30	.	.02	.03	.05	Hidden	Hidden	Hidden	Fog	N 10	N 10	Fy LS LS		
31	.04	T	.03	.07	Hidden	K 7 W	Hidden	N 10	0	N 10	LS Cy LS		
Total	.36	.32	.35	1.03									

REMARKS.

March 23. Snow, B. 5.00 P.M.; E. D. N.
27. Frost.

March 30. Snow, B. 7 30 A.M.; E. March 31, 7.15 A.M.
31. " B. 6.30 P.M.; E. D. N.

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APRIL, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.43	.62	.64	.56	-19	3	0	-5	4	-20	100	100	100	SW 36	N 16	N 48	597
2	.62	.69	.66	.66	4	17	10	10	19	...	100	100	100	SW 36	SW 18	SW 22	901
3	.61	.57	.54	.57	9	21	14	15	23	...	100	100	100	SW 12	SW 26	SW 36	507
4	.38	.43	.47	.43	10	20	14	15	21	10	100	100	100	SW 60	SW 40	SW 22	902
5	.45	.40	.44	.43	6	12	6	8	15	5	100	100	100	SW ..	SW 34	SW ..	907
6	.41	.39	.36	.39	3	15	7	8	16	2	100	100	100	NW 36	NW 44	NW 28	809
7	.19	.09	.11	.13	1	-2	-12	-4	8	-12	100	100	100	NW 24	NW 16	NW 56	622
8	.13	.28	.36	.26	-13	-2	-9	-8	-1	-15	100	100	100	NW 36	NW 34	NW 32	822
9	.48	.52	.58	.53	-10	7	-2	-2	8	-21	100	100	100	SW 20	SW 12	SW 5	689
10	.51	.50	.48	.50	-8	0	-4	-4	1	-11	100	100	100	NW 24	NW 24	NW 32	338
11	.39	.47	.50	.45	-5	-1	-9	-5	0	-9	100	100	100	NW 36	NW 20	NW 36	699
12	.61	.70	.71	.67	-5	8	2	3	9	-13	100	100	100	NW 16	N 12	NW 12	604
13	.70	.74	.76	.73	0	11	8	6	12	-3	100	70	100	N 20	N 12	N 8	332
14	.73	.81	.84	.79	7	19	13	13	23	6	100	69	64	N 28	N 8	W 16	383
15	.85	.88	.85	.86	11	24	18	18	27	10	100	75	100	N 16	NW 12	W 12	323
16	.85	.87	.87	.86	12	21	16	16	27	11	62	86	83	N 12	NW 8	W 8	296
17	.86	.89	.91	.89	14	25	19	19	30	13	73	75	70	NW 26	NW 6	NE 8	263
18	.89	.88	.86	.88	16	26	21	21	29	14	58	76	72	W 16	SW 8	SW 12	228
19	.81	.85	.83	.83	15	26	20	20	29	13	83	77	57	NE 8	NE 6	NE 6	261
20	.78	.76	.74	.76	16	18	16	17	23	14	67	100	100	NW 24	W 14	W 36	291
21	.78	.85	.92	.85	11	20	16	16	23	11	100	71	67	NE 6	NE 3	NW 4	451
22	.92	.93	.91	.92	14	27	24	22	32	12	83	67	75	NE 6	NE 8	N 16	205
23	.83	.69	.63	.72	24	28	19	24	33	19	87	89	85	NW 24	SW 12	W 16	404
24	.51	.51	.61	.54	11	1	-8	1	20	-8	100	100	100	NW 12	NW 16	NW 12	345
25	.61	.66	.68	.65	-7	12	7	4	15	-9	100	100	100	NW 8	NE 12	NW 16	205
26	.64	.76	.74	.71	4	20	15	13	22	2	100	71	83	NE 40	N 12	W 34	592
27	.77	.77	.73	.76	16	26	19	20	30	15	83	77	85	N 36	SW 22	SW 24	549
28	.65	.61	.65	.64	15	21	14	17	24	14	83	72	83	SW 34	W 32	NW 32	672
29	.63	.70	.67	.67	13	26	19	19	29	12	82	77	70	W 54	SW 20	SW 20	818
30	.57	.55	.56	.56	16	20	14	17	25	14	100	85	100	N 12	N 20	NW 12	514
Means	.62	.64	.65	.64	6.0	15.6	9.6	10.4	19.2	*2.7	92	88	88	25†	18	21†	15529

REMARKS.

April 3. Snow, B. D. N.; E. 8.00 A.M.
 5. " B. 9.30 A.M.; E. D. N.
 9. " { B. 11.00 A.M.; E. 12 M.
 { B. 3.45 P.M.; E. 9.30 P.M.
 10. " B. D. N.; E. 6.30 A.M. of 11th.

April 12. Snow, B. 5.45 P.M.; E. 8.30 P.M.
 13. { Solar Halo.
 { Snow, B. 4.40 P.M.; E. 10.40 P.M.
 14. Snow, { B. 2.00 P.M.; E. 2.25 P.M.
 { B. 5.45 P.M.; E. 7.20 P.M.

* For 28 days.

† For 29 days.

1889AnHar...22...1P

APRIL, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07						
1	.03	.	.	.03	0	K 3 NW	0	s 5	0	0	F	Cr	Cr			
2	.	.	.	.	K 10 W	K 3 W	0	0	0	0	Cy	F	Cr
3	.01	T	.	.01	Hidden	K 3 S	0	N 10	0	0	LS	F	Cr			
4	.	.	.	.	0	K 3 NW	0	s 3	0	s 2	F	F	Cr
5	.	.02	.05	.07	K 7 W	Hidden	Hidden	0	N 10	N 10	Cy	LS	LS			
6	.03	.	.	.03	0	K 10 NW	0	s 5 SE	0	s 3	F	Cy	Cr			
7	.	.	.	.	Hidden	Hidden	0	Fog	Fog	Fog	Fy	Fy	Cg
8	.	.	.	.	Hidden	K 3 N	0	s 10 N	0	s 2 E	Cy	F	Cr
9	.	T	.08	.08	0	K 7 NW	Hidden	s 5 E	0	N 10	F	F	LS			
10	.01	.	.	.01	K 3 W	Hidden	Hidden	0	s 10	s 10	F	Cy	Cy			
11	.08	.02	.	.10	Hidden	Hidden	K 2 W	N 10	s 10	0	LS	Cy	F			
12	.	.	.05	.05	0	c 3	Hidden	s 3	Haze	s 10 W	Cr	F	Cy			
13	.	.	.05	.05	0	cs 10 N	Hidden	0	Haze	N 10	Cr	Cy	LS			
14	.01	T	.02	.03	0	K 10 N	0	0	0	0	Cr	Cy	Cr			
15	.	.02	.07	.09	0	Hidden	Hidden	0	N 10	s 10	Cr	LS	Cy			
16	.	T	.02	.02	K 2 E	Hidden	Hidden	0	N 10	Fog	Cr	LS	Fy			
17	.	.	T	T	0	K 10 W	0	0	0	0	Cr	Cy	Cr			
18	.	.	.	.	0	K 10 NW	K 5 NW	0	0	0	Cr	Cy	F
19	.	.	.	.	c 2	K 5 W	K 2 W	0	0	0	Cr	F	Cr
20	.	.04	.01	.05	K 3 NW	Hidden	Hidden	0	N 10	N 10	F	HS	LS			
21	.03	.	.	.03	Hidden	K 10 W	0	s 10	0	0	Cy	Cy	Cr			
22	.	.	.	.	c 2 NE	K 2	0	0	0	0	Cr	Cr	Cr
23	.	T	.02	.02	K 5 N	K 10 NW	Hidden	0	0	N 10	F	Cy	LS			
24	.06	.02	.	.08	Hidden	Hidden	Hidden	N 10	s 10	s 10	LS	Cy	Cy			
25	.	.	.	.	Hidden	K 5 S	Hidden	s 10	0	s 10	Cy	F	Cy
26	.	.	.	.	0	0	0	s 3	0	0	F	Cr	Cr
27	.	.	.	.	K 10 N	K 10	Haze	0	0	s 10	Cy	Cy	Cy
28	.	.	.	.	K 5 W	K 7 W	0	0	0	0	F	Cy	Cr
29	.	.	T	T	0	K 7 E	Hidden	0	0	s 10	Cr	Cy	Cy			
30	.	.02	.15	.17	Hidden	K 7 W	Hidden	cs 10 NE	0	N 10	Cy	Cy	LS			
Total	.26	.14	.52	.92												

REMARKS.

April 15. Snow, { B. 10.45 A.M.; E. 1.30 P.M.
 { B. 2.20 P.M.; E. 8.35 P.M.
 16. " B. 2.35 P.M.; E. 4.10 P.M.
 17. " B. 2.55 P.M.; E. 3.10 P.M.
 20. " { B. 12.50 P.M.; E. 3.15 P.M.
 { B. 8.45 P.M.; E. D. N.

April 23. Snow, { B. 12.45 P.M.; E. 1.15 P.M.
 { B. 2.00 P.M.; E. 2.05 P.M.
 { B. 8.40 P.M.; E. 11.00 AM. of 24th.
 29. " B. 6.50 P.M.; E. 7.05 P.M.
 30. { Hail and snow at intervals.
 { Snow, B. 6.25 P.M.; E. D. N.

MAY, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.58	.66	.62	.62	10	19	15	15	21	9	100	100	83	NW 16	W 12		W 16	292
2	.55	.56	.62	.58	13	17	11	14	19	11	82	100	100	W 14	NW 16	NW 16	367
3	.65	.74	.73	.71	7	18	15	13	21	5	100	76	83	N 8	NW 20	NW 30	351
4	.70	.72	.75	.72	16	26	23	22	27	14	83	76	86	NW 36	NW 20	W 42	596
5	.77	.85	.85	.82	22	35	29	29	37	21	86	80	73	W 40	NW 12	W 18	723
6	.74	.76	.63	.71	25	35	26	29	37	25	88	71	77	W 48	W 24	W 60	728
7	.55	.56	.51	.51	20	29	10	20	32	10	85	78	79	SW 36	W 24	SW 42	953
8	.51	.50	.52	.51	2	12	- 6	3	13	- 6	73	81	100	SW 44	SW 20	SW 28	863
9	.54	.68	.83	.68	- 6	13	14	7	18	- 8	100	82	74	NW 28	W 38	W 32	712
10	.73	.80	.82	.78	17	27	17	17	30	14	76	88	68	W 40	W 32	W 24	819
11	.82	.93	.93	.89	10	24	17	17	28	8	79	74	76	W 32	SW 16	W 24	700
12	.86	.88	.89	.88	20	32	23	25	35	16	71	69	60	NW 24	NW 20	NW 24	537
13	.89	.91	.91	.90	19	33	22	25	36	19	70	61	86	SW 26	SW 26	S 16	484
14	.93	.98	.98	.96	23	35	26	28	38	21	75	80	77	W 27	W 4	SW 10	433
15	.98	.94	.90	.94	26	38	27	30	41	23	77	63	88	SW 18	SW 16	N 16	260
16	.79	.75	.74	.76	24	30	21	25	31	21	88	79	72	SW 16	SW 46	SW 28	390
17	.69	.77	.83	.76	17	30	23	23	32	14	68	59	74	W 26	SW 6	SW 4	691
18	.84	.89	.92	.88	19	31	24	25	34	16	69	69	63	SW 20	SW 16	SW 16	258
19	.93	.93	.94	.93	23	30	27	27	36	23	74	68	88	SW 8	SW 12	SW 16	314
20	.92	.94	.93	.93	24	33	28	28	37	23	75	61	59	N 14	E 14	SW 2	285
21	.92	.86	.80	.86	24	31	25	27	36	22	75	79	76	S 18	S 30	S 16	164
22	.72	.74	.78	.75	21	24	21	22	37	20	86	87	72	SW 8	SW 28	SW 12	396
23	.76	.79	.86	.80	22	28	24	25	35	20	100	89	87	SW 10	SW 12	SW 12	243
24	.83	.92	.92	.89	23	28	26	26	29	22	87	67	100	N 8	N 20	N 14	232
25	.89	.84	.84	.86	25	31	25	27	33	21	88	79	88	NE 8	N 8	NE 8	262
26	.79	.74	.77	.77	27	30	25	27	38	23	77	68	76	NW 20	SW 16	W 20	277
27	.78	.76	.86	.80	22	22	22	22	32	21	86	86	86	W 8	N 12	NW 12	302
28	.88	.95	.98	.94	19	29	23	24	32	19	85	79	75	W 12	W 16	SW 6	316
29	.95	.85	.89	.90	24	23	23	23	38	19	63	100	87	SW 4	W 48	W 24	326
30	.78	.77	.76	.77	21	23	23	22	31	20	86	74	74	W 28	W 40	W 22	780
31	.68	.62	.62	.64	21	30	23	25	32	18	72	89	87	W 32	SW 40	SW 52	724
Means	.77	.79	.80	.79	18.7	27.3	21.0	22.3	31.5	16.3	81	78	80	22	21	21	14808

REMARKS.

May 1. Snow, B 2.00 P.M.; E. 7.30 P.M.
 2. { Hail, B. 2.15 P.M.; E. 2.40 P.M.
 Snow, B. 5.35 P.M.; E. 7.40 P.M.
 7. Hail, B. 1.45 P.M.; E. 2.20 P.M.
 8. Snow, B. 1.00 P.M.; E. 8.00 P.M.

May 14. Snow, { B. 10.35 A.M.; E. 11.35 A.M.
 B. 2.40 P.M.; E. 3.20 P.M.
 15. " B. 8.15 P.M.; E. D. N.
 18. Solar Halo at 3.00 P.M.
 19. Hail, B. 7.00 P.M.; E. 8.00 P.M.

May 20. Snow, B. 10.30 A.M.; E. 12.15 P.M.
 21. " { B 1.50 P.M. At intervals.
 E. 6.00 P.M.
 22. " { B. 1.35 P.M.; E. 2.50 P.M.
 B. 8.30 P.M.; E. 9.15 P.M.

MAY, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.02	.03	.06	.11	K 10 N	Hidden	Hidden	0	N 10	s 10	Cy HS Cy		
2	.	.02	.06	.08	Hidden	Hidden	0	s 10	N 10	s 10	Cy Hg Cy		
3	.	.	.	.	0	K 5 W	0	0	0	s 2	Cr F Cr
4	.	.	.	.	C 5 NE	K 10 NW	0	0	0	s 3	F Cy F
5	.	.	.	.	C 3	K 5 NE	0	0	0	s 2	F F Cr
6	.	.	.	.	K 5 N	K 10 N	0	0	0	s 3	F Cy F
7	.	T	.	T	K 5 NW	K 10 W	0	s 2 NW	0	s 2	Cy Cy Cr		
8	.	.15	.04	.19	K 5 SW	Hidden	0	0	N 10	s 7	F LS Cg		
9	.	.	.	.	K 5 W	K 2 W	C 2 E	0	0	0	F Cr Cr
10	.	.	.	.	0	K 10 NW	0	0	0	0	Cr Cy Cr
11	.	.	.	.	0	0	C 2 E	0	0	0	Cr Cr Cr
12	.	.	.	.	C 3 E	K 10 W	K 2 NE	0	0	0	F Cy Cr
13	.	.	.	.	0	0	C 5	0	KS 10	Smoke	Cr Cy F
14	.	.03	T	.03	C 7	Hidden	CS 3 NE	Smoke	N 10	0	F LS F		
15	.	.	.01	.01	C 3 NE	K 7 NW	Hidden	Smoke	0	N 10	F F LS		
16	.05	.	.	.05	Hidden	K 10 NW	0	s 10	0	Haze	Cy Cy Cr		
17	.	.	.	.	0	K 5 N	C 7 S	Haze	Haze	Haze	Cr F F
18	.	.	.	.	0	0	C 5 NE	KS 7	KS 7	Haze	F F F
19	.	.	.02	.02	K 3 NE	K 5 NW	0	Haze	KS 5 NW	s 7	F Cy Cg		
20	.	.01	.	.01	0	K 3 N	C 2	s 2	0	KS 3	Cr F F		
21	.	T	.02	.02	K 3 N	K 3 NW	Haze	Haze	KS 7 NW	s 5	F Cy F		
22	.	.02	.02	.04	C 2 S	Hidden	Hidden	0	N 10	N 10	Cr LS LS		
23	.01	T	.10	.11	Hidden	Hidden	0	D. Fog	N 10	s 7	Cy LS Cg		
24	.02	.	.10	.12	Hidden	0	Hidden	D. Fog	KS 5	N 10	Cy F HHI		
25	.27	.08	.15	.50	C 2	C 2 NE	Hidden	s 5	s 5 NE	N 10	F F LS		
26	.11	.	.10	.21	C 2 NW	Hidden	0	0	s 10	s 5	Cr Cy F		
27	.	.18	.03	.21	C 5 SW	0	Hidden	s 3 SW	s 7	Fog	F F Fy		
28	.06	.	.03	.09	0	CS 7 N	0	s 2	s 7 N	s 10	Cr Cy Cy		
29	.02	.06	.	.08	C 2 W	Hidden	0	s 5 W	s 10	0	F Cy F		
30	.09	.	.	.09	C 2	Hidden	CS 5 W	0	s 10	s 3 W	Cr Cy F		
31	.11	.	.	.11	C 2	K 5 W	CS 5 W	0	0	Haze	Cr F F		
Total	.76	.58	.74	2.08									

REMARKS.

May 23. { Snow, B. D. N.; E. D. N. Snow & Hail at intervals during day.	May 25. Snow, B. 5.05 P.M.; E. D. N.	May 28. Snow, B. 3.45 P.M.; E. 5.00 P.M.
24. Snow, { B. D. N.; E. D. N. Hail, B. 3.55 P.M.; E. D. N.	26. " B. 3.05 P.M.; E. 4.35 P.M.	29. " { B. 11.30 A.M.; E. 1.40 P.M. B. D. N.; E. D. N.
25. " B. 11.00 A.M.; E. 1.30 P.M.	27. " { B. 10.45 A.M.; E. 2.10 P.M. B. 6.35 P.M.; E. 7.00 P.M.	30. " B. D. N.; E. D. N.
	28. " B. D. N.; E. D. N.	31. " B. D. N.; E. D. N.

1889AnHar...22...1P

JUNE, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Move-ment.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.54	.62	.67	.61	16	21	15	17	24	13	100	86	66	SW 48	SW 32	W 50	1016		
2	.78	.90	.96	.88	14	27	22	21	31	4	0	67	60	W 20	W 24	W 20	730		
3	.93	.93	.94	.93	23	34	28	28	35	21	74	80	67	SW 28	W 20	NW 12	723		
4	.92	.99	1.02	.98	26	35	28	30	41	24	77	70	67	N 16	SW 8	W 12	404		
5	.98	.96	1.03	.99	26	30	24	27	36	23	88	89	87	SW 8	W 12	NW 12	255		
6	.99	1.00	1.01	1.00	20	31	24	25	34	19	85	79	75	W 6	SW 16	SW 14	321		
7	.94	.95	.97	.95	25	32	28	28	36	23	76	89	67	N 28	SW 14	NW 10	496		
8	.85	.89	.89	.88	30	36	32	33	40	27	89	54	69	W 16	NW 14	W 30	521		
9	.83	.80	.70	.78	30	39	32	34	40	28	79	48	69	W 30	SW 30	W 44	594		
10	.52	.75	.89	.72	16	32	27	25	35	16	67	69	67	SW ..	SW ..	SW ..	723		
11	.96	1.04	1.04	1.01	27	36	29	31	39	24	67	54	59	SW ..	SW 27	SW 32	....	
12	1.08	1.07	1.05	1.07	31	39	31	34	42	28	79	56	60	SW 22	NE 18	W 10	....	
13	1.00	1.04	1.01	1.02	28	40	33	34	45	28	89	48	69	W 32	SW 14	SW 16	....	
14	.89	1.04	1.06	1.00	29	41	34	35	44	27	89	58	52	SW 50	SW 20	NW 16	755		
15	.98	1.06	1.04	1.03	28	44	32	35	47	28	78	60	69	W 12	SW 20	W 26	266		
16	1.00	1.03	1.03	1.02	32	47	36	38	51	28	69	62	62	0	NE 5	NW 12	286		
17	1.00	.94	.87	.94	30	40	29	33	45	29	79	42	68	SW 22	SW 26	SW 38	368		
18	.83	.96	1.05	.95	18	35	28	27	38	16	70	45	59	W 42	NW 24	W 16	851		
19	1.05	1.08	1.07	1.07	30	44	34	36	48	24	68	24	52	N 6	N 8	SW 16	304		
20	1.06	1.08	1.08	1.07	34	48	40	41	51	32	70	37	11	NW 8	SW 12	NE 8	238		
21	1.07	1.06	1.04	1.06	34	52	42	43	55	33	34	14	35	S 8	W 8	W 12	215		
22	1.03	1.02	1.01	1.02	35	44	34	38	47	34	62	53	100	SW 16	SE 8	SW 8	340		
23	.93	.96	1.00	.96	29	42	34	35	45	29	89	29	45	W 20	SW 32	NW 16	521		
24	1.00	1.05	1.05	1.03	30	49	40	40	53	27	68	20	42	SW 16	SW 18	NE 10	354		
25	1.04	1.06	1.02	1.04	36	52	41	43	57	36	37	8	28	NW 12	S 12	SW 24	202		
26	.99	1.01	1.02	1.01	35	47	39	40	50	35	62	6	18	W 32	SW 32	W 20	548		
27	.99	1.08	1.10	1.06	28	46	36	37	49	27	89	48	37	W 32	SW 16	W 16	780		
28	1.05	1.13	1.13	1.10	36	54	40	43	55	34	54	28	48	NW 32	SE 12	W 8	475		
29	1.14	1.17	1.17	1.16	37	52	38	42	55	37	46	43	39	N 6	SE 8	S 20	152		
30	1.10	1.12	1.10	1.11	35	47	36	39	51	34	62	56	80	SW 28	SW 16	W 24	497		
Means	.95	.99	1.00	.98	28.3	40.5	32.2	33.7	44.0	26.3	70	51	58	21*	17†	19†	12915‡		

REMARKS.

June 1. Snow, B. D. N.; E. D. N.
5. Hail, B. 12.20 P.M.; E. 1.15 P.M.

June 5. Hail, B. 3.30 P.M.; E. 3.55 P.M.
6. Snow, B. 9.30 A.M.; E. 11.20 A.M.

* For 28 days.

† For 29 days.

‡ For 27 days.

JUNE, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.76	.	.	.76	Hidden	Hidden	0	Fog	s 10	s 3	Cy	Cy	F
2	0	K 5 NW	0	0	Haze	s 2	Cr	F	Cr
3	CS 5 W	K 3 SW	0	0	CS 2 SW	s 3	F	F	F
4	0	Hidden	0	Haze	KS 10	KS 5	Cr	Cy	F
5	.	.16	.16	.32	c 2 W	Hidden	0	s 10 W	Fog	s 3	Cy	Fy	F
6	.	.14	.	.14	Haze	Hidden	Hidden	s 10	KS 10	Fog	Cy	Cy	Fy
7	.	.05	T	.05	0	Hidden	0	s 7	N 10	Fog	F	LS	F
8	CS 5	Hidden	c 2 E	0	s 10	CS 2 E	F	Cy	F
9	K 2 SW	K 3 W	c 2 NW	Haze	0	s 3 NW	F	F	F
10	CS 5 W	0	0	Haze	Haze	Haze	F	Cr	Cr
11	0	K 2	0	Haze	Haze	Haze	Cr	Cr	Cr
12	0	K 3 W	K 2 SW	Haze	KS 3 W	s 3 SW	Cr	F	F
13	.	.	.05	.05	CS 7 SW	K 3 SW	K 3 W	Haze	s 3 SW	s 5 W	Cy	F	F
14	0	0	0	Haze	Haze	Haze	Cr	Cr	Cr
15	0	Hidden	Hidden	Haze	KS 10	KS 10	Cr	Cy	Cy
16	0	K 3 W	c 2	Haze	Haze	s 3	Cr	F	F
17	CS 5 W	K 2	0	s 3 W	KS 10	s 2	F	Cy	F
18	0	0	0	Haze	0	Haze	Cr	Cr	Cr
19	0	0	0	Haze	Haze	Haze	Cr	Cr	F
20	0	K 3 SW	0	0	0	s 3	Cr	Cr	F
21	0	K 3 SW	0	0	0	s 5	Cr	F	F
22	.	.	T	T	CS 7 W	K 7 SW	Hidden	s 2 W	KS 3 SW	N 10	Cy	Cy	LS
23	.05	.	.	.05	0	K 2 NW	0	s 5	0	Haze	F	F	Cr
24	0	0	0	Haze	Haze	s 3	Cr	Cr	F
25	0	K 10 SW	0	Haze	0	s 3	Cr	Cy	F
26	0	K 7 W	0	Haze	0	s 2	Cr	Cr	F
27	Haze	K 3 SW	0	s 10	0	s 5	Cy	F	F
28	0	K 7 W	K 2 W	Haze	Haze	s 7 W	Cr	F	F
29	0	K 5 NW	0	KS 5	KS 3 NW	s 2	F	F	F
30	.30	.	.03	.33	CS 5 W	K 2 E	0	Haze	s 10 E	s 2	F	Cy	F
Total	1.11	.35	.24	1.70									

REMARKS.

June 7. Snow and Hail, B. 11.00 A.M.; E. 2.45 P.M.
 13. " " B. 7.25 P.M.; E. 8.15 P.M.
 22. " " B. 8.10 P.M.; E. D.N.

June 29. Snow, B. 10.00 P.M.; E. 10.40 P.M.
 30. Snow and Rain, B. 3.30 P.M.; E. 5.20 P.M.

JULY, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.					
														A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	1.06	1.10	1.07	1.08	35	50	38	41	56	33	70	37	71	N 12	W 12	SW 16	374		
2	1.05	1.03	1.02	1.03	33	49	38	40	51	33	79	37	63	W 12	W 4	W 12	287		
3	.97	.96	.92	.95	35	45	34	38	49	32	70	53	79	W 7	NW 16	SW 8	203		
4	.92	.92	.99	.94	28	32	29	30	42	28	100	100	78	N 5	W 28	NW 7	206		
5	.97	1.02	1.07	1.02	27	32	29	29	38	25	77	89	89	W 16	N 10	NW 7	327		
6	1.10	1.09	1.10	1.10	30	40	31	34	45	26	78	65	89	SW 9	NW 16	SW 12	178		
7	1.07	1.10	1.11	1.09	27	34	33	31	40	27	88	100	100	SW 24	W 12	SW 24	369		
8	1.10	1.15	1.16	1.14	31	49	39	40	52	31	100	71	82	SW 18	SW 6	SE 8	489		
9	1.11	1.12	1.09	1.11	33	45	38	39	51	33	100	75	100	SW 8	NW 8	W . .	174		
10	1.06	1.06	1.06	1.06	33	35	32	33	40	32	100	100	100	NW 6	NW 4	N 14	44		
11	1.03	1.06	1.06	1.05	32	35	35	34	42	30	89	100	80	NE 6	NE 16	N 4	209		
12	1.07	1.06	1.04	1.06	35	43	33	37	46	32	90	75	89	NW 6	W 4	NW 8	112		
13	1.02	1.08	1.08	1.06	32	44	36	37	46	31	79	67	70	NE 4	E 4	NE 16	200		
14	1.08	1.12	1.12	1.11	35	50	41	42	52	33	70	64	74	NW 16	W 6	SW 16	298		
15	1.10	1.10	1.06	1.09	38	55	43	45	56	36	71	32	52	W 20	NE 6	N 16	379		
16	1.02	1.04	1.04	1.03	36	47	38	40	52	36	90	92	100	SW 20	W 10	SW 12	321		
17	1.02	1.03	1.05	1.03	34	35	33	34	38	33	100	100	100	NW 12	NE 12	NE 10	218		
18	1.03	1.05	1.05	1.04	32	38	32	34	40	30	100	100	100	NE 6	SW 12	NW 12	169		
19	1.03	1.04	1.05	1.04	31	33	32	32	38	31	89	100	79	N 12	NE 24	W 6	181		
20	1.02	1.02	1.05	1.03	32	33	31	32	40	31	79	100	89	W 15	NE 8	N 6	120		
21	1.00	1.04	1.06	1.03	29	34	30	31	37	27	89	90	100	W 10	N 8	N 12	194		
22	1.05	1.10	1.11	1.09	25	32	29	29	34	24	86	89	78	N 6	N 9	NE 11	245		
23	1.07	1.10	1.10	1.09	28	40	35	34	42	26	44	47	70	NE 5	N 6	0	191		
24	1.01	1.00	1.03	1.01	35	38	34	36	43	32	52	54	79	NE 12	NE 4	W 12	185		
25	1.01	1.03	1.05	1.03	32	40	34	35	49	30	89	82	100	SW 20	NW 4	W 13	336		
26	1.00	1.05	1.06	1.04	31	42	33	35	47	30	89	91	100	W 24	W 8	W 12	361		
27	1.02	1.06	1.03	1.04	32	33	33	33	44	31	89	100	79	NW 5	N 4	N 14	240		
28	1.01	1.05	1.05	1.04	30	39	32	34	44	29	89	90	89	NW 16	W 9	N 6	215		
29	1.01	1.03	1.03	1.02	33	32	31	32	41	31	79	100	100	N 4	NE 8	NW 8	130		
30	.98	1.06	1.09	1.04	28	32	31	30	33	27	100	100	89	N 12	NE 12	NE 16	175		
31	1.12	1.15	1.13	1.13	33	42	36	37	47	30	61	42	80	N 15	E 4	SW 20	269		
Means	1.04	1.06	1.06	1.05	31.8	39.6	34.0	35.1	44.3	30.3	83	79	85	12	9	11	7399		

REMARKS.

<p>July 1. Snow, B. 1.45 P.M.; E. 2.20 P.M. 2. " B. 2.15 P.M.; E. 2.40 P.M. 3. Sleet, B. 3.25 P.M.; E. 6.30 P.M. { Snow, B. D. N.; E. 6.30 A.M. 4. { Snow & Hail, B. 8.15 A.M.; E. 7.20 P.M. { Snow, B. D. N.; E. D. N. 5. { Hail, B. 11.00 A.M.; E. 1.15 P.M.</p>	<p>July 5. Snow, B. 2.15 P.M.; E. 9.30 P.M. { B. D. N.; E. D. N. 6. " { B. 3.00 P.M. At intervals. { E. 6.30 P.M. 7. Snow & Sleet, B. 1.00 P.M.; E. 2.35 P.M. 9. { Snow & Hail, B. 3.00 P.M. At inter- vals. E. 6.30 A.M. of 10th.</p>	<p>July 10. { Rain, B. 10.00 A.M.; E. 2.00 P.M. { Hail, B. 2.00 P.M.; E. 3.00 P.M. { Snow, B. 3.00 P.M. E. 5.30 P.M. { Hail and Snow, B. 11.00 A.M. At 11. { intervals. E. 6.45 P.M. 12. Rain, B. 7.45 P.M.; E. 8.30 P.M. 13. Hail, B. 4.30 P.M.; E. 6.30 P.M.</p>
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JULY, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
					Upper.			Lower.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
1	.	T	.	T	c 2 w	k 2 sw	0	0	ks 5 sw	s 3	Cr	F	F
2	.	T	.	T	k 2	k 3	0	ks 3	ks 7	s 3	F	Cy	F
3	.	.	.04	.04	c 3	Hidden	ck 3 NW	s 3	ks 10	s 3 NW	F	Cy	F
4	.12	.11	T	.23	Hidden	0	Hidden	N 10	ks 7	N 10	LS	Cg	Slt
5	.19	T	.39	.58	0	Hidden	cs 3 w	s 10	Fog	N 7 w	Cy	LS	LS
6	.08	.	.08	.16	c 5 s	Hidden	Hidden	s 5 s	Fog	s 10	Cy	Fy	Cy
7	.	.13	.	.13	cs 10 sw	Hidden	Hidden	s 10 sw	Fog	Fog	Cy	Fy	Fy
8	.	.	.	.	Hidden	Hidden	cs 2 sw	D. Fog	ks 10	s 3 sw	Fy	Cy	F
9	.	.	.25	.25	Hidden	Hidden	Hidden	Fog	s 10	D. Fog	Fy	Cy	Fy
10	.51	.20	.11	.82	Hidden	Hidden	Hidden	N 10	N 10	Fog	LS	HS	Fy
11	.	.06	.11	.17	cs 2	Hidden	ck 2 sw	s 2	N 10	s 2 sw	F	Hail	F
12	.	.	.06	.06	c 2	Hidden	Hidden	Haze	s 10	s 10	F	Cy	Cy
13	.	.	.75	.75	c 2 NE	k 3	0	s 3 NE	ks 5	s 7	F	F	Cy
14	.	.	.06	.06	0	k 5 sw	0	Haze	0	s 10	Cr	F	Cy
15	.	.	.	.	k 2	k 2 w	k 2	Haze	Haze	s 3	Cr	Cr	F
16	.	.06	.45	.51	cs 2 E	Hidden	Hidden	s 3	s 10	N 10	F	Cy	LR
17	.12	.66	.30	1.08	k 2 w	Hidden	Hidden	s 10	N 10	N 10	Cy	LR	LS
18	.47	.19	.30	.96	Hidden	Hidden	Hidden	N 10	Fog	s 10	HS	Fy	Cy
19	.	.07	.02	.09	0	cs 3	Haze	s 5	N 7 NE	s 7	F	Hail	Cy
20	.	.08	.21	.29	cs 5 sw	Hidden	Hidden	s 3 sw	N 10 NE	s 10	F	LS	Cy
21	.	.04	.09	.13	0	Hidden	Hidden	s 3	Fog	Fog	F	Fy	Fy
22	.	.	.	.	0	Hidden	0	s 10	s 10	0	Cy	Cy	Cr
23	.	.	.	.	0	k 3 E	0	s 3	Haze	s 2	F	F	Cr
24	.	.02	.02	.04	0	k 2	0	Haze	s 7	s 3	Cr	Cy	F
25	.	.01	.12	.13	0	Hidden	Hidden	s 2	s 10	s 10	Cr	Cy	Cy
26	.	.10	.22	.32	Haze	Hidden	Hidden	s 10	N 10	N 10	Cy	Hail	LS
27	.05	.10	.11	.26	cs 5 w	Hidden	0	s 3 w	N 10	0	F	LS	Cr
28	.	.03	.35	.38	0	Hidden	0	Haze	N 10	s 5	Cr	Hail	F
29	.	.14	.20	.34	k 5 sw	Hidden	Hidden	0	N 10	N 10	F	LS	LS
30	.31	.04	.	.35	Hidden	k 2	0	N 10	s 7	0	LS	Cg	Cr
31	.	.	.	.	0	k 5 sw	0	0	s 3	0	Cr	F	Cr
Total	1.85	2.04	4.24	8.13									

REMARKS.

July 14. Rain, B. 3.30 P.M.; E. 4.35 P.M.
 16. " { B. 2.10 P.M. At intervals.
 { E. D. N.
 17. { Snow, B. 4.35 P.M.; E. 1.15 P.M. of 18th.
 { Rain, B. 6.35 A.M.; E. 4.20 P.M.
 18. Snow, B. 3.00 P.M.; E. 5.30 P.M.
 19. Hail, B. 1.00 P.M.; E. 3.10 P.M.

July 20. Snow, { B. 12 A.M.; E. 5.40 P.M.
 { B. 6.10 P.M.; E. 8.20 P.M.
 21. { Hail, B. 11.00 A.M.; E. 1.30 P.M.
 { Snow, B. 3.00 P.M.; E. 7.00 P.M.
 24. Hail, { B. 12.05 P.M.; E. 1.25 P.M.
 { B. 7.00 P.M.; E. 7.20 P.M.
 25. Rain, B. 2.00 P.M.; 2.15 P.M.

July 25. Hail, 6.10 P.M.; E. 6.30 P.M.
 26. { Hail, B. 2.15 P.M.; E. 2.50 P.M.
 { Snow, B. 3.10 P.M.; E. D. N.
 27. Hail & Snow B. 1.00 P.M.; E. 5.00 P.M.
 28. Hail, B. 2.00 P.M.; E. 5.40 P.M.
 29. { Hail, B. 11.00 A.M.; E. 12 M.
 { Snow, B. 12 M.; E. 8.30 A.M. of 30th.

AUGUST, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.				
														Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.	
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07		
1	1.13	1.11	1.13	1.12	36	42	38	39	52	34	70	73	63	W 20	SW 22	NW 18	420	
2	1.16	1.20	1.21	1.19	38	46	40	41	53	36	54	54	82	NW 14	N 4	SW 20	390	
3	1.22	1.26	1.26	1.25	41	48	41	43	52	37	57	42	73	NW 14	W 8	W 8	275	
4	1.23	1.22	1.21	1.22	41	43	41	42	53	37	57	83	65	N 4	NE 6	SW 10	791	
5	1.17	1.18	1.18	1.18	39	40	38	39	49	36	63	73	81	NE 14	E 12	NE 4	223	
6	1.15	1.14	1.14	1.14	36	45	37	39	52	35	80	84	90	NW 6	N 7	N 8	155	
7	1.12	1.12	1.13	1.12	38	47	40	42	50	36	63	62	56	N 8	N 5	N 18	180	
8	1.11	1.14	1.20	1.15	40	46	38	41	50	38	47	47	71	NE 13	N 9	NW 8	248	
9	1.11	1.12	1.12	1.12	37	41	37	38	51	36	70	73	80	N 12	NW 8	N 9	146	
10	1.10	1.08	1.06	1.08	36	43	35	38	55	33	28	75	80	NE 14	N 4	NW 15	208	
11	1.05	1.06	1.06	1.06	34	40	37	37	45	33	61	100	80	NE 10	NE 8	NW 4	211	
12	1.00	1.00	.97	.99	35	33	32	33	40	32	90	100	100	SW 16	NW 8	NW 6	228	
13	.96	.97	.98	.97	30	34	32	32	37	29	100	80	79	NE 8	N 20	NW 16	154	
14	.95	.97	.98	.97	30	35	31	32	39	29	89	80	89	NW 18	N 8	N 12	373	
15	.92	.98	1.00	.97	28	39	32	33	43	28	89	71	89	NW 20	NW 20	NW 20	317	
16	1.00	1.05	1.09	1.05	30	42	34	35	46	30	89	58	90	NW 20	N 12	N 8	309	
17	1.08	1.07	1.07	1.07	34	35	30	33	42	30	69	90	78	NW 16	NE 12	NE 16	278	
18	1.04	1.04	1.02	1.03	30	36	32	33	41	30	100	90	100	NW 12	N 6	N 8	277	
19	1.00	1.00	1.02	1.01	31	35	32	33	40	29	79	100	79	N 20	NE 8	N 16	305	
20	1.00	1.03	1.08	1.04	30	29	28	29	37	28	89	100	88	N 12	N 20	N 11	369	
21	1.07	1.09	1.10	1.09	31	35	32	33	42	27	68	70	89	N 12	NW 16	NW 20	350	
22	1.09	1.10	1.09	1.09	32	42	35	36	44	29	79	48	61	NW 24	NW 8	NW 18	338	
23	1.05	1.02	.97	1.01	34	44	33	37	46	33	89	60	69	NW 20	SW 8	W 28	342	
24	.94	.88	.86	.89	29	38	33	33	43	28	89	65	69	W 12	SW 24	SW 27	356	
25	.78	.88	.79	.82	24	38	30	31	39	24	74	54	78	W 28	SW 20	SW 26	549	
26	.83	.88	.85	.85	28	42	34	35	45	26	67	34	90	SW 40	SW 20	SE 16	597	
27	.78	.84	.87	.83	25	38	30	31	39	25	94	63	78	W 32	SW 20	SW 30	567	
28	.88	.93	.98	.93	26	40	33	33	45	26	88	64	100	SW 32	SW 24	SW 28	656	
29	.96	.95	.93	.95	30	42	36	36	45	28	78	49	62	SW 32	SW 30	SW 28	747	
30	.87	.91	.87	.88	30	45	35	37	47	30	78	45	70	W 47	SW 16	SW 20	820	
31	.80	.92	.98	.90	28	38	33	33	42	27	88	30	43	SW 36	W 20	SW 12	632	
Means	1.02	1.04	1.04	1.03	32.6	40.0	34.5	35.7	45.3	30.9	75	68	78	19	13	16	11209	

REMARKS.

Aug. 1. Hail, B. 1.00 P.M.; E. 1.55 P.M.
 2. " B. 1.10 P.M.; E. 1.40 P.M.
 3. Rain, B. 7.00 P.M.; E. 8.00 P.M.
 4. Hail, B. 1.40 P.M.; E. 3.00 P.M.
 { Hail, B. 1.10 P.M.; E. 3.00 P.M.
 5. { Sleet, B. 3.00 P.M.; E. 3.50 P.M.
 " B. 8.45 P.M.; E. D. N.
 6. Rain, B. 1.30 P.M.; E. 1.45 P.M.

Aug. 6. Hail, B. 5.00 P.M.; E. 5.50 P.M.
 7. Sleet, B. 4.30 P.M.; E. 5.20 P.M.
 8. Hail, B. 4.30 P.M.; E. 5.00 P.M.
 9. " B. 1.30 P.M.; E. 4.00 P.M.
 10. Hy. Hail, B. 3.00 P.M.; E. 8.00 P.M.
 11. Rain, B. 2.10 P.M.; E. 2.30 P.M.
 { Snow, B. D. N.; E. D. N.
 12. { " B. 12.15 P.M.; E. 1.30 P.M.

Aug. 12. { Rain, B. 1.35 P.M.; E. 2.15 P.M.
 Snow, B. 8.15 P.M.; E. D. N.
 13. { Hail, B. 11.50 A.M.; E. 1.30 P.M.
 Lt. Snow, B. 6.20 P.M.; E. 6.45 P.M.
 Hail & Snow, At intervals. From
 14. { 11.25 A.M. to 2.23 P.M.
 Hy. Snow, B. 4.10 P.M.; E. 5.25 P.M.
 15. Snow, B. D. N.; E. D. N.

AUGUST, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07						
1	.	.02	.	.02	0	κ 5 w	0	Haze	Haze	s 2			Cr	F	Cr	
2	.	.04	.	.04	cs 2	κ 3 w	0	Haze	Haze	0			F	F	Cr	
3	.	.	.02	.02	c 5	κ 3 sw	0	Haze	s 7 sw	0			F	Cy	Cr	
4	.	.45	.06	.51	cs 2	Hidden	0	0	N 10	s 3			Cr	LH	F	
5	.	.12	.13	.25	cs 7 N	Hidden	Hidden	0	N 10	N 10			F	LH	Slt	
6	.02	.03	.06	.11	cs 2	Hidden	Hidden	0	Fog	ks 7			Cr	Fy	Cy	
7	.	.	.04	.04	c 5	0	0	0	ks 10	s 3			F	Cy	F	
8	.	.	.03	.03	c 7	0	c 5	0	ks 10	s 3			F	Cy	F	
9	.	T	.22	.22	0	Hidden	0	0	N 10	0			Cr	HH	Cr	
10	.	.	.47	.47	0	Hidden	0	0	s 10	0			Cr	Cy	Cr	
11	.	.01	.	.01	0	Hidden	κ 3 sw	Haze	N 10	s 3 sw			F	LR	F	
12	.02	.06	.12	.20	c 2	Hidden	Hidden	s 5	N 10	N 10			F	LS	LS	
13	.02	.08	.02	.12	Hidden	κ 3 w	κ 5 w	s 10	0	s 3 w			Cy	F	F	
14	.	.06	.07	.13	0	κ 5 sw	κ 5 w	Haze	ks 3 sw	s 5 w			F	Cg	Cy	
15	.08	T	.12	.20	0	κ 5 w	0	s 3	s 3	s 3			F	F	F	
16	.	.	.	.	0	κ 3 sw	κ 3	Haze	s 7	s 7			Cr	Cy	Cy
17	.02	.03	.12	.17	0	Hidden	0	s 3	N 10	s 5			F	LS	F	
18	.	.12	.07	.19	κ 3 w	Hidden	Hidden	s 3 w	N 10	N 10			F	LS	LR	
19	.02	.16	.05	.23	0	Hidden	0	s 5	N 10	0			F	HH	Cr	
20	.	.07	T	.07	0	Hidden	0	Haze	N 10	s 3			Cr	LS	F	
21	.	.02	.08	.10	0	κ 3 sw	Hidden	s 3	ks 3 sw	N 10			F	F	LS	
22	.02	.03	.05	.10	κ 2	κ 2 sw	0	Haze	0	0			F	F	Cr	
23	.	T	.09	.09	c 3 SE	κ 2	0	Haze	s 7	s 3			F	Cy	F	
24	.	.	.	.	Hidden	Hidden	0	s 10	s 10	s 5			Cy	Cy	F
25	.06	.	.	.06	0	κ 3 w	0	s 5	0	0			F	F	Cr	
26	.	.	.	.	0	0	0	Haze	ks 5	Fog			Cr	F	F
27	.10	.	.04	.14	cs 3	Hidden	0	s 3	ks 10	0			F	Cy	Cr	
28	.	.	.	.	0	c 2 NW	0	s 5	Haze	Fog			F	F	F
29	.	.	.	.	0	c 3 w	0	s 5	ks 4	0			F	F	Cr
30	.	.	.	.	0	κ 5 sw	0	0	0	0			Cr	F	Cr
31	.	.	.	.	0	κ 5 w	0	s 2	0	s 3			F	F	F
Total	.36	1.30	1.86	3.52												

REMARKS.

Aug. 15. { Lt. Snow, B. 1.30 P.M.; E. 2.15 P.M.
 { Hy. Hail, B. 6.30 P.M.; E. 7.15 P.M.
 { Hy. Snow, B. 7.50 P.M.; E. 8.30 P.M.
 { B. D. N.; E. D. N.
 17. Snow, { B. 12 35 P.M. At intervals.
 { E. 7.34 P.M.
 18. { Hail & Snow, At intervals. From
 { 11.15 A.M. to 8.15 P.M.

Aug. 18. Rain, B. 9.00 P.M.; E. D. N.
 19. { Hail & Snow, B. 10.30 A. M.;
 { E. 4.45 P.M.
 20. { Hail & Snow, B. 10.30 A.M.;
 { E. 4 15 P.M.
 21. { Hail & Snow, B. 12.30 P.M.;
 { E. 6.50 P. M.
 { Snow, B. 7.00 P.M.; E. D. N.

Aug. 22. { Hail, B. 1.15 P.M.; E. 1.45 P.M.
 { Hail, Rain, & Snow, B. 3.37 P.M.
 { E. 7.56 P.M. At intervals.
 { Hail and Snow, At intervals.
 23. { B 12 45 P.M.; E. 5.50 P.M.
 25. Snow, B. D. N.; E. D. N.
 27. { " B. D. N.; E. D. N.
 { Hail, B. 3 00 P.M.; E. 4.00 P.M.

SEPTEMBER, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.98	1.02	.97	.99	29	46	31	35	47	27	67	33	100	sw 24	sw 16		sw 21	372
2	.97	1.02	1.08	1.02	28	39	33	33	40	28	88	72	69	w 10	w 16	n 6	424
3	1.07	1.08	1.06	1.07	28	48	35	37	48	28	77	10	61	w 12	sw 13	w 20	214
4	1.02	1.03	1.05	1.03	32	48	40	40	51	31	69	42	47	sw 30	sw 14	n 10	583
5	1.06	1.09	1.09	1.08	36	45	38	40	49	35	70	46	71	n 8	ne 10	ne 20	187
6	1.10	1.11	1.10	1.10	36	52	40	43	55	36	80	41	64	sw 24	sw 7	ne 14	381
7	1.09	1.04	1.04	1.06	36	46	36	39	49	35	80	69	100	sw 8	se 12	sw 12	247
8	1.00	1.02	1.02	1.01	35	42	39	39	49	33	80	74	100	0	n 1	se 12	214
9	1.03	1.10	1.16	1.10	34	33	34	34	41	32	100	100	90	sw 12	ne 8	nw 4	206
10	1.14	1.10	1.08	1.11	30	45	34	36	45	29	89	60	90	n 2	w 8	w 14	107
11	1.02	1.02	.98	1.01	28	41	34	34	43	28	100	56	69	w 20	w 12	0	393
12	.98	.99	.99	.99	29	40	31	33	41	27	89	81	100	nw 14	sw 20	w 28	271
13	1.01	1.06	1.10	1.06	30	40	34	35	44	29	100	81	90	0	w 8	w 2	330
14	1.11	1.13	1.14	1.13	31	41	36	36	43	31	89	91	80	0	sw 4	sw 4	100
15	1.14	1.12	1.13	1.13	33	36	34	34	42	32	89	90	100	sw 8	w 5	ne 7	127
16	1.08	1.00	1.01	1.03	30	33	27	30	37	27	78	79	100	0	nw 12	n 16	121
17	1.02	1.00	1.02	1.01	21	31	28	27	33	19	85	89	77	0	nw 8	n 24	247
18	1.01	1.04	1.02	1.02	25	35	30	30	37	25	88	80	89	ne 24	nw 12	n 18	444
19	.94	.87	.82	.88	28	33	24	28	35	24	77	89	100	nw 24	ne 16	nw 34	389
20	.80	.77	.80	.79	24	26	23	24	30	22	100	100	100	nw 12	sw 4	sw 2	378
21	.79	.79	.79	.79	22	26	19	22	28	19	100	100	100	0	nw 2	sw 8	61
22	.81	.85	.88	.85	19	23	22	21	26	17	100	100	72	ne 8	ne 16	ne 24	144
23	.90	.95	.96	.97	27	33	29	30	36	21	88	69	77	ne 12	ne 4	ne 20	351
24	.97	1.01	1.05	1.01	26	25	22	24	30	22	88	100	72	ne 24	ne 12	ne 4	454
25	1.07	1.11	1.12	1.10	22	29	27	26	30	20	72	59	77	ne 16	ne 4	ne 14	246
26	1.09	1.07	1.06	1.07	26	35	30	30	37	25	88	61	68	nw 8	nw 4	nw 6	216
27	1.04	1.04	1.04	1.04	27	36	29	31	37	26	77	90	67	ne 12	ne 8	sw 8	174
28	1.04	1.05	1.07	1.05	28	35	29	31	36	27	77	52	59	sw 12	ne 4	ne 8	159
29	1.09	1.10	1.09	1.09	27	35	30	31	37	24	77	61	68	nw 12	n 4	nw 24	154
30	1.04	1.05	1.03	1.04	27	35	27	30	37	26	88	70	77	nw 28	nw 6	nw 21	442
Means	1.01	1.02	1.02	1.02	28.5	37.1	30.8	32.1	39.8	26.8	85	72	81	12	9	14	8136

REMARKS.

Sept. 1. Snow, B. 5.00 P.M.; E. D. N.
 7. { Hail, B. 10.40 A.M.; E. 11.00 A.M.
 { Rain, B. 5.00 P.M.; E. 5.30 P.M.
 8. Rain, B. 7.00 P.M.; E. D. N.
 9. Hail and Snow, { B. 11.27 A.M. At intervals.
 { E. 6.10 P.M.

10. Lt. Snow & Hail, { B. 3.27 P.M. At intervals.
 { E. 8.23 P.M.
 11. Lt. Snow, B. 4.25 P.M.; E. 5.05 P.M.
 12. { Lt. Snow, B. 6.35 P.M.; E. 8.55 P.M.
 { Snow, B. 9.00 P.M.; E. D. N.
 13. Hail and Snow, B. 4.50 P.M.; E. 6.05 P.M.

SEPTEMBER, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.08	.08	0	0	Hidden	KS 2	KS 5	N 10	F	F	HS
2	.24	.	.	.24	CS 7 SW	K 3 SW	0	S 3	0	0	Cy	F	Cr
3	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
4	.	.	.	.	0	0	0	0	KS 5	s 3	Cr	F	F
5	.	.	.	.	0	0	0	s 3	s 5	s 3	F	F	F
6	.	.	.	.	CS 5 NW	0	0	0	KS 5	0	F	F	Cr
7	.	T	.02	.02	0	Hidden	Hidden	0	s 10	Fog	Cr	Cy	Fy
8	.	.	.12	.12	0	0	Hidden	0	KS 5	N 10	Cr	F	LR
9	.06	.04	.03	.13	CS 5 W	Hidden	K 2	s 5	N 10	s 3	Cy	LS	F
10	.	.	.06	.06	Hidden	K 2 W	c 3 SW	s 10	KS 7	s 7	Cy	Cy	Cy
11	.	.	.02	.02	Hidden	Hidden	0	s 10	KS 10	s 3	Cy	Cy	F
12	.	.	.12	.12	0	Hidden	Hidden	s 3	s 10	N 10	F	Cy	LS
13	T	.	.39	.39	Hidden	K 2 W	Hidden	s 10	s 8	s 10	Cy	Cy	Cy
14	.	.17	.	.17	K 3 W	K 2 SW	CK 2 W	s 3	KS 7	s 8	F	Cy	Cy
15	.06	.07	.16	.29	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	LS	LS
16	.62	.	.55	1.17	Hidden	Hidden	Hidden	s 10	s 10	Fog	Cy	Cy	Fy
17	.	.	.	.	Hidden	Hidden	0	s 10	s 10	0	Cy	Cy	Cr
18	.	.	.	.	0	K 3 NW	0	0	0	0	Cr	F	Cr
19	.	.	.07	.07	0	Hidden	K 2 SW	s 3	s 10	s 2	F	Tg	F
20	.	.11	.14	.25	0	Hidden	Hidden	s 3	N 10	s 10	F	LS	Cy
21	T	.04	.	.04	Hidden	Hidden	Hidden	N 10	s 10	s 10	LS	Cy	Cy
22	.	.	.	.	Hidden	0	0	s 10	0	0	Cy	Cr	Cr
23	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
24	.	T	.	T	0	Hidden	0	0	Fog	0	Cr	Fy	Cr
25	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
26	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
27	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
28	.	.	.03	.03	0	K 3	0	0	KS 4	s 5	Cr	F	F
29	.	.	.	.	0	K 2 S	0	0	Haze	0	Cr	F	Cr
30	.	.	.	.	0	K 3 N	0	s 3	Haze	0	F	F	Cr
Total	.98	.43	1.79	3.20									

REMARKS.

Sept. 14. } Snow, B. 9.15 A.M.; E. 12.45 P.M.
 { Lunar halo at 9.00 P.M.
 15. { Lt. Snow, B. D. N.; E. D. N.
 { Snow, B. 11.00 A.M.; E. D. N.
 16. Snow, B. 4.00 P.M.; E. 7.00 P.M.

Sept. 19. Snow, B. 2.47 P.M.; E. 8.20 P.M.
 20. " B. 10.35 A.M. At intervals. E. 8.56 P.M.
 21. " B. 5.38 A.M.; E. 11.10 A.M.
 24. " B. 12.35 P.M.; E. 12.45 P.M.
 28. Hail and Snow, B. 4.15 P.M.; E. 6.15 P.M.

OCTOBER, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.95	.93	.92	.93	25	36	30	30	37	24	75	70	78	N 32	W 14	W 26	487		
2	.85	.84	.83	.84	26	36	28	30	38	26	88	53	88	SW 42	SW 32	SW 42	666		
3	.93	1.00	.99	.97	25	37	28	30	39	25	63	53	77	W 20	SW 17	W 32	768		
4	.99	.94	.93	.95	26	37	30	31	40	25	88	37	78	W 25	W 9	SE 8	607		
5	.85	.85	.89	.86	23	32	23	26	34	23	86	79	60	W 28	W 17	NW 16	374		
6	.89	.93	.97	.93	22	31	35	29	33	21	72	89	74	NW 20	NW 18	NW 18	440		
7	1.01	1.09	1.11	1.07	25	37	29	30	39	23	88	71	59	E 20	SW 8	NW 12	435		
8	1.08	1.09	1.10	1.09	27	29	25	27	35	25	77	59	63	E 14	NW 8	W 14	392		
9	1.06	1.10	1.08	1.08	22	34	30	29	37	20	72	69	68	NE 24	W 4	NW 26	409		
10	1.04	1.04	1.04	1.04	30	40	32	34	41	29	78	18	79	NW 20	NW 2	NW 12	330		
11	1.00	1.00	1.02	1.01	28	40	31	33	45	27	77	76	79	N 12	W 16	N 10	217		
12	1.03	1.06	1.07	1.05	27	38	29	31	38	26	77	38	89	N 24	SW 8	SW 16	333		
13	.80	.98	.97	.92	26	32	25	28	33	25	88	68	75	N 32	NW 8	NW 24	447		
14	.91	.95	.98	.95	18	25	24	22	27	17	70	87	74	N 25	N 19	N 34	574		
15	1.00	1.05	1.04	1.03	22	32	30	28	34	20	85	79	78	E 20	NW 7	NW 20	564		
16	1.01	1.01	1.03	1.02	25	35	27	29	37	19	49	70	77	N 20	NW 4	SW 9	316		
17	1.04	1.05	1.05	1.05	27	33	23	28	37	21	77	69	60	NE 12	SE 6	W 12	183		
18	1.06	1.05	1.09	1.07	25	32	28	28	35	21	75	79	77	NW 13	NW 2	N 8	238		
19	1.05	1.04	1.07	1.05	24	33	26	28	34	22	74	79	76	NW 20	S 8	NW 12	291		
20	1.04	1.00	1.04	1.03	24	36	29	30	36	20	61	52	67	NW 12	SW 12	SW 16	213		
21	1.02	.93	.94	.96	25	31	27	28	34	20	62	68	77	NE 4	NE 2	0	205		
22	.88	.86	.87	.87	24	27	24	25	35	22	75	65	74	N 4	NW 8	N 12	74		
23	.83	.79	.79	.80	20	29	22	24	31	19	70	77	86	W 16	NW 19	W 13	294		
24	.69	.67	.62	.66	19	27	26	24	31	16	84	65	88	W 24	SW 8	W 5	507		
25	.56	.64	.63	.61	- 1	5	- 1	1	26	- 5	70	75	85	N 26	W 2	N 42	325		
26	.70	.76	.73	.73	6	23	18	16	25	..	75	19	68	N 60	W 26	W 42	673		
27	.66	.64	.63	.61	20	29	21	23	30	14	41	77	56	W 54	W 30	W 34	1079		
28	.55	.47	.48	.50	16	23	13	17	25	12	48	73	100	W 36	W 30	W 12	781		
29	.44	.61	.68	.58	0	4	- 1	1	5	- 2	70	74	68	W 34	W 17	W 40	676		
30	.76	.85	.88	.83	13	23	21	19	24	- 4	44	60	43	NW 38	NW 50	W 52	911		
31	.94	.87	.81	.87	23	31	23	26	33	17	86	79	60	W 24	W 28	W 48	911		
Means	.89	.91	.91	.90	21.4	30.2	24.4	25.3	33.2	18.9*	72	65	74	24	14	22	14720		

REMARKS.

Oct. 4. Snow, B. 5.25 P.M.; E. 5.50 P.M.
22. " B. 11.30 A.M.; E. 2.15 P.M.

Oct. 22. Snow, B. 4.00 P.M.; E. 5.45 P.M.

* For 30 days.

OCTOBER, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.							Weather.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.				A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07							
1	0	0	0	0	Haze	0			Cr	Cr	Cr		
2	0	K 7 W	K 3 W	s 2	0	0			Cr	F	F		
3	0	c 3 W	0	s 3	0	0			F	F	Cr		
4	.	.	.02	.02	0	K 5 W	Hidden	s 3	0	s 10			F	F	Cy		
5	0	K 3 SW	0	s 5	s 7	0			F	Cy	Cr		
6	0	K 5 NW	0	s 2	0	0			Cr	F	Cr		
7	0	0	0	0	0	0			Cr	Cr	Cr		
8	0	0	0	0	Haze	0			Cr	Cr	Cr		
9	0	0	0	0	0	0			Cr	Cr	Cr		
10	0	c 3	0	0	0	0			Cr	Cr	Cr		
11	0	0	c 10	0	0	0			Cr	Cr	Cy		
12	0	0	0	s 5	D Haze	0			F	Hazy	Cr		
13	0	K 3 NW	CS 3 N	s 3	Haze	0			F	F	F		
14	0	K 5 NE	CS 3 NW	s 5	0	0			F	F	F		
15	0	0	0	0	0	0			Cr	Cr	Cr		
16	0	CS 3 W	0	0	0	0			Cr	F	Cr		
17	0	K 3 SW	0	0	0	0			Cr	F	Cr		
18	c 3 W	0	c 3	0	Haze	0			Cr	Hazy	F		
19	CS 3 NW	c 3 s	CS 8 NW	0	ks 5	0			F	Cy	Cy		
20	0	0	0	0	0	0			Cr	Cr	Cr		
21	0	K 3 W	0	0	Haze	0			Cr	F	Cr		
22	.	T	.02	.02	0	0	0	s 3	s 7	0			F	F	Cr		
23	0	K 5 NW	0	s 3	0	0			F	F	Cr		
24	.	.	.05	.05	0	Hidden	Hidden	s 3	s 10	N 10			F	Cy	LS		
25	.12	.	.	.12	0	0	0	s 3	ks 8	0			F	Cy	Cr		
26	0	Hidden	0	0	s 10	s 3			Cr	Cy	F		
27	c 3 W	Hidden	0	0	s 10	0			F	Cy	Cr		
28	.	.	.10	.10	c 3 W	K 7 SW	Hidden	0	0	N 10			F	F	HS		
29	.07	.	.	.07	0	K 5 W	0	s 8	0	0			Cy	F	Cr		
30	0	c 3 W	0	0	0	s 3			Cr	F	F		
31	c 3 NW	c 3 W	CS 3	0	0	0			F	F	F		
Total	.19	T	.19	.38													

REMARKS.

Oct. 24. Snow, B. 5.30 P.M.; E. D. N.

Oct. 28. Snow, B. 7.40 P.M.; E. D. N.

NOVEMBER, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			24 Hours.			
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.						
														A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	.78	.77	.67	.74	21	29	21	24	31	20	29	77	55	W	30	W	38	W	..	965
2	.63	.68	.66	.66	19	26	19	21	29	17	54	88	69	W	50	W	18	W	16	1094
3	.59	.52	.46	.52	16	16	8	13	20	6	100	100	100	W	11	SW	10	W	12	421
4	.46	.52	.56	.51	9	9	5	8	11	5	100	100	75	NW	4	NW	16	W	12	224
5	.54	.52	.55	.54	2	6	5	4	10	-1	72	52	50	W	16	W	16	NW	16	344
6	.61	.60	.57	.59	10	20	15	15	22	3	0	55	82	NW	12	NW	13	W	24	314
7	.60	.55	.60	.58	8	8	9	8	16	7	100	77	100	N	12	N	9	N	8	400
8	.61	.66	.71	.66	2	4	5	4	10	-1	72	74	50	N	5	N	15	N	16	140
9	.76	.79	.82	.79	-3	13	16	9	17	-5	66	63	66	N	27	N	22	NE	32	433
10	.75	.80	.78	.78	16	24	23	21	25	13	66	74	73	N	62	N	16	NW	20	746
11	.66	.62	.62	.63	16	21	14	17	26	15	83	71	81	SW	44	SW	28	W	12	779
12	.53	.50	.49	.51	10	10	9	10	14	9	100	100	100	SW	12	SW	12	0		385
13	.51	.30	.33	.38	8	5	4	6	11	4	77	75	100	N	32	W	60	NW	36	339
14	.31	.36	.34	.34	8	11	10	10	11	3	100	79	100	N	12	S	8	NW	8	700
15	.25	.36	.47	.36	12	9	0	7	15	-3	100	100	100	S	8	SW	24	W	28	283
16	.54	.63	.60	.59	-1	4	0	1	5	-1	100	87	100	S	20	S	32	SW	50	838
17	.58	.52	.50	.53	8	15	6	10	17	0	55	65	75	SW	52	SW	64	SW	48	1301
18	.46	.46	.45	.46	9	16	10	12	17	5	100	100	100	S	20	S	20	SW	16	951
19	.45	.50	.56	.50	8	14	10	11	16	4	77	100	100	SW	8	SW	24	SW	12	408
20	.57	.62	.64	.61	7	9	6	7	12	6	100	100	100	W	5	W	16	W	8	291
21	.60	.64	.58	.61	4	9	9	7	12	2	100	100	100	W	12	W	20	W	18	254
22	.46	.53	.56	.52	3	9	4	5	11	2	100	57	100	SW	32	SW	20	SW	40	550
23	.55	.71	.72	.66	3	8	4	5	10	-3	19	0	74	SW	40	NW	30	NW	40	850
24	.70	.65	.56	.64	10	14	10	11	16	4	0	30	79	SW	40	SW	40	SW	40	990
25	.42	.50	.53	.48	6	7	2	5	12	2	88	88	100	W	20	W	38	SW	25	835
26	.47	.54	.46	.49	1	6	7	5	7	-3	100	75	54	W	10	SW	48	SW	56	400
27	.45	.56	.59	.53	9	15	10	11	22	6	78	64	89	SW	60	SW	12	SW	23	1208
28	.67	.79	.74	.73	14	18	14	15	22	5	81	68	46	N	30	N	20	W	11	490
29	.74	.88	.86	.83	10	21	25	19	27	9	58	56	75	N	49	NW	20	NW	36	740
30	.89	.87	.84	.87	19	26	23	23	27	18	39	20	60	SW	10	SW	5	NW	10	430
Means	.57	.60	.59	.59	8.8	13.4	10.1	10.8	16.7	4.9	74	73	82	25	24	23*				18203

REMARKS.

Nov. 3. { Snow, B. D. N.; E. 2.15 P.M.
 " " B. 4.00 P.M.; E. 7.30 A.M. of 4th.
 6. Snow, B. 8.55 P.M.; E. 8.30 A.M. of 7th.

Nov. 7. { Snow, B. 11.45 A.M.; E. 2.30 P.M.
 " " B. 3.45 P.M.; E. D. N.
 8. Snow, B. 6.40 A.M.; E. 5.30 P.M.

* For 29 days.

NOVEMBER, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	c 3 w	cs 5 w	cs 3	s 3	0	0	F	F	F
2	.	.	.	.	0	c 3	Hidden	s 3	s 7	s 10	F	Cy	Cy
3	.07	.04	.10	.21	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
4	.07	T	.	.07	Hidden	Hidden	Hidden	N 10	Fog	s 10	LS	Fy	Cy
5	.	.	.	.	0	c 5 w	0	0	s 2	0	Cr	F	Cr
6	.	.	T	T	0	cs 3 w	Hidden	0	0	N 10	Cr	F	LS
7	.02	.14	.10	.26	Hidden	Hidden	Hidden	N 10	s 10	N 10	LS	Cy	LS
8	.05	.02	.05	.12	0	Hidden	0	s 8	N 10	s 3	Cy	LS	F
9	.	.	.	.	0	cs 3	c 3	s 3	0	0	F	F	F
10	.	.	.	.	0	c 2 N	0	s 8	0	0	Cy	Cr	Cr
11	.	.	.	.	0	c 3 N	Hidden	s 5	ks 5	s 10	F	Cy	Cy
12	.06	.04	.	.10	Hidden	Hidden	Hidden	N 10	Fog	Fog	LS	Fy	Fy
13	.	.	.	.	0	Hidden	Hidden	s 5	s 10	s 10	F	Cy	Cy
14	.03	T	.	.03	Hidden	Hidden	Hidden	N 10	s 10	s 10	LS	Cy	Cy
15	.	.40	.03	.43	Hidden	Hidden	Hidden	s 10	N 10	s 10	Cy	LS	Cy
16	.	.	.	.	Hidden	cs 3 w	Hidden	s 10	s 7	s 10	Cy	Cy	Cy
17	.	.	.	.	Hidden	c 3 w	Hidden	s 10	s 3	s 10	Cy	F	Cy
18	.03	.	.	.03	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
19	.	.	.	.	Hidden	Hidden	Hidden	s 10	s 10	s 10	Cy	Cy	Cy
20	.	.	.	.	Hidden	0	0	s 10	ks 8	Fog	Cy	Cy	Cr
21	.	.	.10	.10	Hidden	Hidden	Hidden	s 10	s 10 w	N 4	Cy	Cy	LS
22	.10	.	.	.10	0	c 2 N	0	s 5 sw	0	0	F	Cr	Cr
23	.	.	.	.	0	cs 10 NE	0	s 1 w	0	0	Cr	Cy	Cr
24	.	.	.	.	0	Hidden	0	s 1 sw	s 10 sw	0	Cr	Cy	Cr
25	.	.	.	.	0	0	Hidden	s 8 w	ks 5 w	s 10	Cy	F	Cy
26	.	.	.	.	0	0	0	s 3 w	0	0	F	Cr	Cr
27	.	.	.09	.09	cs 3	Hidden	Hidden	0	K 10	N 10	F	Cy	LS
28	T	.	.	T	cs 3	cs 5 w	0	0	0	0	F	F	Cr
29	.	.	.	.	0	cs 10 N	0	s 5 N	0	0	F	Cy	Cr
30	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
Total	.43	.64	.47	1.54									

REMARKS.

Nov. 12. Snow, B. D. N.; E. 1.30 P.M.
 14. " B. D. N.; E. 6.30 A.M.
 15. " B. 12.30 P.M.; E. 4.30 P.M.

Nov 18. Snow, B. D. N.; E. D. N.
 21. " B. 7.00 P.M.; E. D. N.
 27. " B. 3.30 P.M.; E. 9.30 P.M.

DECEMBER, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
				Mean.				Mean.	Max.	Min.				Direction and Velocity in Miles per Hour.			24 Hours.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07		A.M. 5.42	P.M. 2.42	P.M. 9.07				A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.77	.68	.63	.69	21	22	13	19	23	13	56	45	62	NW 15	W 12	W 18	245		
2	.56	.58	.66	.60	13	8	6	9	16	4	62	89	100	W 4	NE 15	NW 10	300		
3	.91	.87	.88	.89	3	8	14	8	14	0	73	55	30	0	NW 20	N 28	155		
4	.59	.51	.44	.51	14	17	9	13	19	9	81	83	89	N 16	0	NW 15	396		
5	.33	.39	.44	.39	3	11	9	8	11	-2	100	79	100	NE 12	NW 18	NW 15	358		
6	.41	.44	.53	.46	0	9	3	4	13	-2	100	78	100	NE 48	NE 24	NE 22	656		
7	.53	.61	.65	.60	-1	-3	0	-1	10	-3	100	66	70	NE 4	NW 8	NE 8	316		
8	.64	.65	.70	.66	5	10	11	9	14	-4	75	79	60	NE 14	NE 28	NE 38	218		
9	.70	.69	.73	.71	10	10	6	9	13	5	79	79	75	NW 32	NW 28	NE 6	789		
10	.70	.74	.81	.75	3	10	13	9	13	0	73	58	80	NE 20	NE 28	N 30	544		
11	.85	.87	.87	.86	18	23	21	21	24	12	68	73	56	N 24	NE 23	N 25	646		
12	.80	.88	.87	.85	20	20	19	20	23	18	70	41	39	NE 18	NW 20	N 32	523		
13	.82	.84	.79	.82	19	18	15	17	22	13	54	52	46	NW 36	W 12	N 28	697		
14	.83	.80	.80	.81	19	22	17	19	25	14	69	58	67	N 28	N 40	N 35	668		
15	.76	.65	.70	.70	15	15	10	13	22	9	64	30	58	NW 24	NW 88	NW 44	767		
16	.68	.68	.70	.69	8	11	10	10	13	6	66	60	58	NW 40	NW 36	NW 37	843		
17	.74	.90	.81	.82	12	15	14	14	17	9	61	47	46	N 32	N 22	NE 28	755		
18	.74	.76	.74	.75	14	15	17	15	17	12	63	47	51	W 36	NW 9	NW 13	748		
19	.68	.54	.51	.58	14	16	12	14	21	12	63	32	42	NW 20	SW 32	W 17	368		
20	.43	.49	.59	.50	5	8	2	5	12	2	75	77	86	SW 29	SW 20	SW 12	693		
21	.70	.78	.85	.78	3	15	15	11	16	0	73	28	47	NW 12	NE 20	NE 13	299		
22	.84	.78	.80	.81	20	20	15	18	26	11	70	0	0	W 6	NE 22	0	225		
23	.70	.54	.46	.57	15	18	12	15	20	10	47	68	61	NE 5	0	NW 20	175		
24	.33	.36	.34	.34	6	4	0	3	8	-3	88	74	70	W 28	W 60	SW 46	582		
25	.22	.33	.38	.31	5	11	2	6	12	-3	100	80	72	SW 18	SW 16	W 33	772		
26	.36	.46	.44	.42	-5	2	2	0	7	-8	82	57	72	W 32	W 28	W 48	661		
27	.43	.49	.57	.50	3	9	3	5	12	0	86	78	86	W 30	NW 6	W 8	770		
28	.52	.42	.37	.44	8	13	13	11	19	3	77	80	44	W 44	SW 62	W 90	557		
29	.22	.13	.24	.20	8	10	8	9	14	5	89	100	66	W 40	SW 76	W 24	1120		
30	.21	.26	.36	.28	4	3	-8	0	11	-10	100	100	36	W 17	SW 14	W 6	613		
31	.45	.46	.45	.45	-11	-10	0	-7	0	-16	52	54	55	0	W 13	NE 36	114		
Means	.60	.60	.62	.60	8.7	11.6	9.1	9.8	15.7	3.7	75	63	62	22	26	25	16573		

REMARKS.

Dec. 2. Snow, B. 12.15 P.M.; E. D. N.
 4. " { B. 1.50 P.M.; E. 2.10 P.M.
 { B. 3.30 P.M.; E. 8.00 P.M.
 5. " B. D. N.; E. 9.00 A.M.

Dec. 7. { Snow, B. D. N.; E. 7.30 A.M.
 { Halo at 8.00 P.M.
 10. Halo at 8.00 P.M.
 17. Lunar Halo.

DECEMBER, 1875.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M.	P.M.	P.M.	Total.	Upper.			Lower.			A.M.	P.M.	P.M.
	5.42	2.42	9.07		A.M.	P.M.	P.M.	A.M.	P.M.	P.M.			
	5.42	2.42	9.07	5.42	2.42	9.07	5.42	2.42	9.07	5.42	2.42	9.07	
1	c 3	cs 7 sw	c 3	0	0	0	F	F	F
2	.	.19	.07	.26	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	LS	LS
3	.05	.	.	.05	0	0	0	0	0	0	Cr	Cr	Cr
4	.	T	.04	.04	0	c 3 w	0	0	cs 4	s 5	Cr	F	F
5	.04	.03	.	.07	Hidden	Hidden	0	N 10	s 10	0	HS	Cy	Cr
6	0	0	0	0	s 5 NE	s 1 NE	Cy	F	Cr
7	.04	T	.	.04	Hidden	0	0	N 10	s 2 NW	0	LS	Cr	Cr
8	0	0	0	s 2	s 7 NE	s 5 NE	Cr	F	F
9	0	cs 3 w	cs 3 NW	s 2	s 4 N	0	Cr	F	F
10	0	c 7 NE	cs 10 N	0	0	0	Cr	F	Cy
11	0	c 10 N	cs 5 N	s 5	0	0	F	Cy	F
12	0	0	0	0	0	0	Cr	Cr	Cr
13	0	c 3	0	s 7 NW	0	0	F	F	Cr
14	c 2	cs 5 NE	cs 3 N	0	0	0	Cr	F	F
15	c 3	c 3 N	0	0	0	0	F	F	Cr
16	0	c 3 NW	cs 1	0	s 1	0	Cr	F	Cr
17	c 3 N	c 3 N	0	0	0	0	F	F	Cr
18	c 10	c 1	0	0	0	s 1	Cy	Cr	Cr
19	0	cs 3 w	Haze	0	s 4 w	s 5	Cr	F	F
20	.	.	T	T	Hidden	Hidden	0	s 10	s 10 sw	0	Cy	Tg	Cr
21	0	0	0	0	0	0	Cr	Cr	Cr
22	0	0	0	0	0	0	Cr	Cr	Cr
23	0	cs 7	0	0	0	0	Cr	F	Cr
24	0	0	cs 3	Fog	s 7 w	0	Cr	F	F
25	.	.	.06	.06	Hidden	Hidden	0	Fog	D. Fog	Fog	Fy	Fy	Cr
26	0	cs 3	cs 3	0	0	0	Cr	F	F
27	.	T	.14	.14	0	cs 3 w	0	Fog	N 7 w	0	Cr	Cy	Cr
28	cs 3	cs 3 w	0	s 3	s 3 w	s 3	F	F	F
29	T	.08	.	.08	Hidden	0	0	N 10	Fog	0	LS	F	Cr
30	.15	.06	.03	.24	Hidden	cs 3 sw	0	N 10	N 5 sw	0	LS	LS	Cr
31	0	0	0	0	0	0	Cr	Cr	Cr
Total	.28	.36	.34	.98									

REMARKS.

Dec. 20. Snow, B. 3.10 P.M.; E. 4.20 P.M.
 25. " { B. 3.30 P.M.; E. 3.50 P.M.
 { B. 8.00 P.M.; E. 8.50 P.M.
 27. " B. 2.00 P.M.; E. 2.30 P.M.

Dec. 27. Snow, B. 3.00 P.M.; E. 6.30 P.M.
 29. " B. D. N.; E. 7.30 A.M.
 30. " { B. D. N.; E. 6.00 A.M.
 { B. 10.30 A.M.; E. 5.00 P.M.

JANUARY, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind.			Movement. 24 Hours.	
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.42	P.M. 2.42		P.M. 9.07
1	.42	.46	.54	.47	3	4	5	4	13	- 2	73	61	74	NW 33	NW 32	N 16	633
2	.58	.56	.50	.55	1	6	4	4	11	- 2	71	28	48	NW 20	W 36	W 36	461
3	.63	.61	.58	.61	9	14	8	10	16	- 2	57	28	33	W 48	SW 50	SW 60	957
4	.53	.45	.55	.51	3	6	- 3	2	13	- 4	73	64	48	SW 45	W 42	W 44	1209
5	.71	.82	.79	.77	1	11	7	6	16	- 8	56	40	54	W 39	NW 17	W 45	930
6	.79	.76	.78	.77	11	17	13	14	19	5	69	59	62	W 42	SW 30	W 44	918
7	.70	.62	.51	.61	12	17	14	14	20	11	61	83	100	SW 48	SW 48	W 23	1033
8	.48	.41	.32	.40	9	9	- 4	5	17	- 4	100	78	100	W 12	SW 21	NW ..	704
9	.37	.48	.56	.47	- 5	- 2	- 6	- 4	0	- 8	100	51	42	NW 23	SW 32	W 36	573
10	.60	.65	.70	.65	2	6	2	3	10	- 6	44	28	0	W 28	NW 26	W 20	770
11	.70	.76	.78	.75	3	8	3	5	10	- 1	59	0	46	NW 20	NW 6	0	454
12	.78	.75	.76	.76	3	10	5	6	11	- 1	59	38	50	SW 6	SW 14	0	179
13	.77	.77	.76	.77	2	11	3	5	12	0	44	60	59	SW 9	S 14	SW 16	165
14	.70	.65	.67	.67	6	10	8	8	13	2	64	69	33	SW 12	SW 24	SW 20	399
15	.65	.61	.60	.62	4	11	7	7	12	2	48	50	100	SW 12	0	SE 17	340
16	.56	.58	.61	.58	6	8	8	7	10	3	64	44	44	NE 20	NE 24	NE 10	303
17	.60	.51	.36	.49	14	16	6	12	19	6	61	52	75	NE 16	N 22	W 42	318
18	.23	.35	.41	.33	-11	-11	-16	-13	-10	-18	100	100	70	W 32	NW 24	NW 28	532
19	.35	.36	.38	.36	-13	2	- 3	- 5	4	-22	100	57	49	W 60	W 56	W 36	779
20	.39	.43	.38	.40	- 3	3	0	0	6	- 5	66	86	39	SW 36	SW 32	SW 42	939
21	.30	.25	.29	.28	1	5	2	3	7	- 1	71	50	45	SW 52	W 40	W 38	1040
22	.28	.36	.43	.36	- 1	2	- 9	- 3	5	- 9	69	57	0	SW 28	SW 36	W 29	892
23	.43	.51	.61	.52	-12	- 2	0	- 5	1	-17	100	67	71	SW 18	W 42	W 52	540
24	.61	.61	.62	.61	3	10	6	6	11	- 2	59	58	26	W 60	SW 35	W 42	1145
25	.61	.55	.46	.54	2	10	4	5	11	1	58	58	35	W 36	SW 42	SW 50	922
26	.25	.22	.33	.27	- 3	- 2	- 6	- 4	9	-10	49	52	0	SW ..	W 42	W 31	1037
27	.23	.12	.08	.14	- 6	0	- 9	- 5	1	-10	43	54	56	W 50	SW 48	W 32	992
28	.15	.32	.53	.33	-12	-16	-14	-14	- 4	-20	100	70	100	W 12	W 50	NW 8	524
29	.57	.63	.60	.60	- 4	2	0	- 1	4	-18	46	43	70	N 32	NW 30	W 42	676
30	.56	.49	.51	.52	2	6	3	4	9	- 2	58	39	59	W ..	W 50	W 38	889
31	.41	.32	.35	.36	- 2	3	- 6	- 2	8	- 8	67	73	81	SW 45	W 38	W 36	1054
Means	.51	.52	.53	.52	0.8	5.6	1.0	2.4	9.2	-4.8	67	55	54	31	32	31	22307

REMARKS.

Jan. 15. Snow, B. 5 00 P.M.; E. D. N.
18. " B. 9.55 A.M.; E. 10.05 A.M.

Jan. 27. Snow, { B. 3.15 P.M.; E. 3.45 P.M.
 { B. 7.15 P.M.; E. 8.10 P.M.

JANUARY, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	CS 3	0	0	0	0	0	F	Cr	Cr
2	0	0	0	0	0	0	Cr	Cr	Cr
3	0	CS 5 SW	CS 5 SW	0	0	0	Cr	F	F
4	CK 5 SW	0	0	s 2	KS 5 W	0	F	F	F
5	0	c 3 W	0	0	s 1	0	Cr	Cr	Cr
6	0	c 7 W	c 5 W	s 1	0	s 2	Cr	Cr	F
7	0	c 5 SW	Hidden	s 1	s 2 SW	Fog	Cr	Cr	Fy
8	0	CS 3 SW	Hidden	Fog	s 4 SW	Fog	Cr	F	Fy
9	Haze	K 3 SW	0	0	s 1	0	F	F	Cr
10	0	c 1 W	0	0	s 5	0	Cr	F	Cr
11	0	c 7 W	c 5	0	0	s 5	Cr	F	Cy
12	c 5 SW	0	Hidden	0	s 3	KS 10 SW	F	F	Cy
13	c 3	CS 7 W	c 2	0	s 3 W	s 5	F	Cy	F
14	0	c 7 W	0	s 5	s 3	0	F	Cy	Cr
15	.	.	.26	.26	0	CK 5	Hidden	0	s 2	N 10	Cr	F	HS
16	.03	.	.	.03	CK 3	0	0	s 3	0	0	F	Cr	Cr
17	0	0	0	0	s 7	0	Cr	F	Cr
18	.	T	.	T	0	Hidden	0	0	Fog	0	Cr	Fy	Cr
19	0	CS 5 W	0	0	s 5 W	0	Cr	Cy	Cr
20	c 1	Hidden	0	s 5	s 10 SW	s 1	F	Tg	Cr
21	0	K 2 W	Haze	s 1	s 5	s 3 W	Cr	F	F
22	Haze	K 1 SW	0	Haze	s 5	0	Hazy	F	Cr
23	Haze	0	0	s 3	s 3 W	s 3 W	F	F	F
24	KS 10	0	0	0	s 3 W	0	Cy	Cr	Cr
25	0	CS 3 W	0	s 5 W	0	0	F	F	Cr
26	0	0	0	s 5 SW	s 3 W	0	F	F	Cr
27	.	.	.44	.44	0	CS 5 SW	0	s 10	s 5 SW	Fog	Cy	Cy	Cr
28	.07	T	.	.07	Hidden	0	0	N 10	s 3	0	LS	F	Cr
29	0	c 3 W	0	0	s 1 W	0	Cr	F	Cr
30	0	0	0	s 1	s 3 W	0	Cr	F	Cr
31	.	.	.05	.05	Hidden	CS 5 W	Hidden	Fog	s 1	Fog	Fy	F	Fy
Total	.10	T	.75	.85									

REMARKS.

Jan. 28. Snow, B. D. N.; E. 8.15 A.M.

Jan. 31. Snow, B. 3.40 P.M.; E. 4.10 P.M.

FEBRUARY, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.43	.64	.63	.57	- 8	10	8	3	15	-17	79	68	77	W 50	NW 36	W 49	1087
2	.55	.46	.40	.47	8	14	- 1	7	15	- 2	33	20	100	W 52	W 30	NW 28	1119
3	.38	.51	.63	.37	-14	- 4	6	- 4	10	-16	45	28	39	W 44	W 36	N 42	706
4	.70	.70	.63	.68	8	14	8	10	16	5	33	28	24	N 42	W 29	W 48	894
5	.52	.46	.51	.50	5	12	3	7	14	3	50	42	73	W 54	W 48	W 44	1069
6	.53	.59	.62	.58	- 1	7	3	3	10	- 1	85	54	73	SW 44	SW 32	SW 37	1066
7	.59	.62	.64	.62	1	12	6	6	13	0	71	42	65	SW 36	SW 30	SW 45	893
8	.55	.54	.53	.54	5	12	7	8	15	4	75	95	88	SW 62	SW 39	SW 16	1135
9	.53	.49	.43	.48	5	14	5	8	18	3	87	52	100	SW 60	SW 42	SW 36	724
10	.32	.34	.48	.38	0	5	- 3	1	10	- 3	70	75	66	SW 6	NW 42	NW 16	668
11	.54	.59	.53	.55	0	12	4	5	14	- 5	40	42	62	W 38	W 36	W 46	814
12	.49	.46	.43	.46	2	7	- 2	2	10	- 2	86	65	83	SW 36	SW 28	W 28	855
13	.39	.42	.43	.41	-12	- 4	-10	- 9	- 4	-12	100	28	77	W 34	NW 38	NW 49	806
14	.45	.52	.54	.50	- 2	7	8	4	10	-11	73	65	66	N 36	NW 33	N 28	873
15	.60	.57	.61	.59	1	3	- 4	0	14	- 4	100	73	100	NW 32	NW 14	N 1	768
16	.65	.71	.73	.70	-10	- 2	- 1	- 4	3	-12	78	68	37	0	N 6	NW 14	248
17	.76	.76	.72	.75	10	15	10	12	17	- 2	17	44	29	NE 12	NW 21	W 34	333
18	.68	.70	.70	.69	6	10	1	6	14	1	51	38	100	W 16	SW 16	NW 8	513
19	.57	.53	.39	.50	4	12	5	7	14	- 3	52	23	50	W 36	SW 25	SW 46	576
20	.30	.34	.46	.37	0	- 6	-10	- 5	7	-10	70	100	78	SW 27	N 26	N 3	857
21	.57	.73	.78	.69	- 8	6	7	2	9	-12	58	28	10	NE 24	N 21	N 20	449
22	.81	.87	.90	.86	3	13	12	9	17	3	46	28	23	N 8	0	NE 18	284
23	.91	.90	.87	.89	12	21	16	16	22	11	42	29	52	N 21	W 9	W 6	316
24	.81	.73	.66	.73	18	25	15	19	29	14	52	28	13	NW 10	SW 8	W 25	188
25	.59	.54	.48	.54	10	21	11	14	22	10	40	49	79	W 34	SW 16	SW 37	624
26	.33	.29	.20	.27	5	14	0	6	16	0	100	19	100	SW 36	SW 22	N 11	698
27	.26	.41	.47	.38	- 7	4	0	- 1	10	- 8	100	35	23	NW 45	W 36	SW 50	603
28	.53	.56	.55	.55	2	12	8	7	14	- 1	30	33	43	SW 48	SW 33	SW 41	556
29	.43	.30	.44	.39	6	2	- 5	1	12	- 5	100	59	63	SW 31	W 46	W 42	789
Means	.54	.56	.57	.56	1.7	9.2	3.7	4.8	13.3	-2.5	64	47	62	34	28	30	20908

REMARKS.

Feb. 2. Snow, { B. 7.15 P.M.; E. 8.45 P.M.
 { B. 9.35 P.M.; E. D. N.
10. Frost.

Feb. 12. Snow, B. 7.30 P.M.; E. 8.30 P.M.
15. " { B. D. N.; E. 6.50 A.M.
 { B. 4.20 P.M.; E. 5.00 P.M.

FEBRUARY, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.									Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07						
1	.	.	.	.	0	0	0	0	0	0	0	Cr	Cr	Cr
2	.	.	.10	.10	CS 3	c 3 w	Hidden	0	K 3 w	s 10 w	0	F	F	Cy		
3	.04	.	.	.04	0	0	0	KS 3	Haze	0	0	F	Cr	Cr		
4	.	.	.	.	0	c 3	c 5	0	0	Haze	0	Cr	F	F
5	.	.	.	.	CS 3	c 3	0	0	K 3 w	s 5	0	F	F	F
6	.	.	.	.	CS 2	c 10 w	Haze	0	0	s 5	0	Cr	Cy	F
7	.	.	.	.	K 3 SW	c 3	c 10	0	0	0	0	F	F	Cy
8	.	.	.	.	c 5	Hidden	Hidden	s 5	Fog	Fog	0	Cy	Fy	Fy
9	.	.	.	.	Hidden	c 7 w	Hidden	s 10 w	s 3	s 10 SW	0	Cy	Cy	Cy
10	.10	.	.	.10	0	K 5 w	CS 5 w	s 7 w	0	s 1	0	F	F	F		
11	.	.	.	.	0	CS 5 w	0	0	0	s 5	0	Cr	F	F
12	.	.	.01	.01	0	c 5 SW	Hidden	0	K 2 SW	s 10 w	0	Cr	F	Tg		
13	.	.	.	.	0	0	Haze	0	s 3	s 5	0	Cr	F	F
14	.	.	.	.	0	K 1 w	0	0	0	0	0	Cr	Cr	Cr
15	.04	T	.02	.06	0	c 1	Haze	N 3 NW	s 5 w	Fog	0	LS	F	Fy		
16	.	.	.	.	0	Hidden	0	s 5	s 10 w	0	0	F	Cy	Cr
17	.	.	.	.	0	CK 5 w	0	0	s 5	s 3	0	Cr	Cy	F
18	.	.	T	T	Hidden	c 10 w	0	s 10	0	0	0	Cy	Cy	Cr		
19	T	.	T	T	0	CS 3 w	0	s 5 w	0	s 3 SW	0	F	F	F		
20	.	.09	.03	.12	0	Hidden	0	s 3	N 10 NE	0	0	F	LS	Cr		
21	.	.	.	.	0	c 5 w	0	0	0	s 1	0	Cr	F	Cr
22	.	.	.	.	0	c 5 NE	0	0	0	0	0	Cr	F	Cr
23	.	.	.	.	0	c 7 w	0	0	0	s 3	0	Cr	F	F
24	.	.	.	.	0	Hidden	0	s 3	s 10	s 3 w	0	F	Cy	F
25	.	.	.	.	0	K 5 w	0	s 3	0	0	0	F	F	Cr
26	.	.	.06	.06	0	K 5 s	Hidden	s 5 SW	0	N 10	0	F	F	LS		
27	.08	.	.	.08	0	0	0	s 3	s 2	0	0	F	Cr	Cr		
28	.	.	.	.	0	CS 7 SW	0	s 3	0	s 3	0	F	F	F
29	.02	.02	.	.04	Hidden	Hidden	0	N 10	s 10 w	N 3 w	0	LS	Cy	LS		
Total	.28	.11	.22	.61												

REMARKS.

Feb. 18. Snow, B. 8.45 P.M.; E. D. N.
 20. " B. 9.00 A.M.; E. 4.30 P.M.
 26. " B. 8.00 P.M.; E. D. N.

Feb. 29. Snow, { B. D. N.; E. 8.30 A.M.
 { B. 12.15 P.M.; E. 1.15 P.M.

MARCH, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.58	.75	.82	.72	- 7	8	7	3	12	- 7	100	22	31	NW 42	NW 12		W 14	993
2	.77	.77	.75	.76	7	19	12	13	20	4	54	39	51	W 44	SW 33	W 40	650
3	.73	.72	.69	.71	10	22	14	15	24	10	70	27	44	SW 42	SW 18	SW 26	689
4	.54	.47	.38	.46	8	17	9	11	17	8	77	43	100	SW 50	SW 33	SW 34	927
5	.30	.34	.41	.35	7	14	2	8	16	2	100	91	59	W 8	SW 24	N 4	596
6	.43	.50	.57	.50	- 4	2	6	1	10	- 7	45	59	41	N 16	NW 20	N 34	369
7	.56	.56	.52	.55	8	21	12	14	22	5	56	72	79	W 44	W 60	W 30	881
8	.43	.39	.34	.39	10	15	11	12	16	9	79	83	100	SW 42	W 28	SW 16	669
9	.21	.20	.19	.20	7	9	6	7	12	5	100	100	100	W 30	SW 25	W 27	525
10	.00	.07	.16	.08	0	- 2	- 8	- 3	7	- 8	100	100	78	SW 21	W 20	W 13	595
11	.23	.32	.40	.32	-16	-10	-14	-13	- 5	-18	70	77	100	W 12	W 12	NW 5	382
12	.46	.49	.53	.49	- 8	5	2	0	6	-19	58	62	45	NW 40	SW 48	W 50	658
13	.51	.50	.45	.49	5	17	10	11	18	0	50	67	100	W 56	SW 28	SW 26	1116
14	.38	.32	.33	.34	7	13	6	9	15	6	100	100	100	SW 12	SW 22	SW 10	507
15	.26	.29	.28	.28	0	- 4	- 8	- 4	9	- 8	70	65	37	NW 4	NW 40	W 51	268
16	.23	.33	.42	.33	-12	0	0	- 4	2	-14	75	39	70	NW 49	NW 60	W 56	1009
17	.53	.65	.64	.61	- 2	11	5	5	12	- 4	51	40	62	NW 44	NW 16	SW 32	1239
18	.46	.40	.36	.41	3	14	6	8	14	2	73	100	100	SW 38	SW 16	NE 6	706
19	.28	.42	.47	.39	-11	- 9	- 5	- 8	11	-16	100	56	44	NE 54	NE 20	NE 52	434
20	.54	.60	.61	.58	9	14	10	11	18	- 7	67	81	89	N 26	NW 24	NW 20	757
21	.57	.49	.50	.52	6	16	14	12	19	5	53	92	100	W 11	SW 24	W 32	434
22	.51	.56	.57	.55	10	16	9	12	19	9	100	100	67	W 4	SW 12	SW 9	376
23	.49	.40	.39	.43	10	15	5	10	20	5	89	100	100	SW 2	NW 8	NW 18	216
24	.36	.35	.36	.36	0	10	3	4	13	- 3	55	100	100	NW 16	SW 14	NW 24	322
25	.27	.46	.45	.39	-10	- 1	- 3	- 5	6	-12	78	68	49	NW 40	N 16	SW 48	599
26	.38	.34	.27	.33	0	6	-11	- 2	12	-11	70	88	52	SW 50	W 28	NW 46	912
27	.30	.50	.57	.46	-18	- 9	-12	-13	- 7	-20	68	56	75	NW 46	NE 34	NW 16	867
28	.54	.68	.68	.63	0	11	8	6	12	-17	70	60	77	NE . .	NE 8	NW 32	. . .
29	.64	.65	.60	.63	12	24	13	16	25	6	61	38	61	N 28	NW 5	W 20	635
30	.38	.30	.33	.34	12	15	10	12	19	10	42	30	100	SW 38	NE 12	SE 8	605
31	.29	.35	.47	.37	4	-10	- 9	- 5	10	-11	100	100	79	NE 12	NE 24	NE 8	408
Means	.43	.46	.46	.45	1.5	8.7	3.6	4.6	13.0	-3.1	74	70	74	31	24	26	19344*

REMARKS.

March 5. Snow, { B. D. N.; E. 8.20 A.M.
 { B. 1.15 P.M.; E. 8.12 P.M.
8. { Frost.
 { Snow, B. 7.10 P.M.; E. 9.00 A.M. of 10th.
10. Snow, B. 2.10 P.M.; E. 8.40 P.M.

March 11. Snow, B. 3.05 P.M.; E. 10.10 P.M.
12. " B. D. N.; E. D. N.
13. " B. 7.15 P.M.; E. 7.20 A.M. of 14th.
14. " B. 1.00 P.M.; E. D. N.
18. " B. 11.15 A.M.; E. 11.15 A.M. of 19th.

* Total wind movement for thirty days.

MARCH, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
2	.	.	.	.	Haze	c 5 SW	c 7 W	s 3	0	0	F	F	F
3	.	.	.	.	0	0	CS 7	s 2	s 1	0	Cr	Cr	F
4	.	.	.	.	0	K 3 W	Hidden	s 3	s 7 W	s 10	F	Cy	Tg
5	.10	.01	.02	.13	Hidden	K 3 SW	c 2	N 10	N 7 SW	s 5	LS	LS	F
6	.	.	.	.	0	K 3 W	0	s 5	0	s 1	F	F	Cr
7	.	.	.	.	c 3	K 5 W	Hidden	s 7	s 5	Fog	Cy	Cy	Fy
8	.05	.	.07	.12	Hidden	CK 2 W	Hidden	Fog	s 5	N 10 W	Fy	F	LS
9	.02	.09	.07	.18	Hidden	Hidden	Hidden	N 10 W	N 10 SW	N 10 W	LS	LS	HS
10	.09	.09	.02	.20	Hidden	Hidden	Hidden	N 10	N 10 W	Fog	HS	LS	Fy
11	.	.	.04	.04	cs 3 W	Hidden	N 3 W	s 7	s 10 W	s 5	Cy	Cy	LS
12	T	.	.	T	0	0	0	s 3 W	0	0	F	Cr	Cr
13	.	.	.05	.05	0	cs 3 W	Hidden	s 3	0	N 10	F	F	LS
14	.04	.02	.16	.22	Hidden	Hidden	Hidden	N 10	N 10 SW	N 10	LS	LS	LS
15	.07	.	.	.07	0	cs 2	0	s 5	0	0	F	Cr	Cr
16	.	.	.	.	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
17	.	.	.	.	0	cs 3 W	Haze	s 5	0	s 5	F	F	F
18	.	.04	.09	.13	c 3 W	Hidden	Hidden	s 7	N 10	N 10	Cy	LS	LS
19	.03	.01	.	.04	Hidden	0	0	N 10	s 5 W	0	LS	F	Cr
20	.	.	.12	.12	0	Hidden	Haze	s 3	s 10 NW	Haze	F	Cy	Hazy
21	.	.	.04	.04	0	Hidden	Hidden	s 1	s 10	N 10	Cr	Cy	LS
22	.02	.04	T	.06	Hidden	Hidden	0	Fog	N 10	0	Fy	LS	Cr
23	.	.03	.05	.08	Hidden	Hidden	Haze	Fog	Fog	N 5	Fy	Fy	LS
24	.04	.01	.05	.10	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	LS	HS
25	.02	.	.	.02	0	0	0	s 7	0	0	F	Cr	Cr
26	.	T	.	T	0	Hidden	0	s 5 SW	s 10 NW	s 2	F	Tg	Cr
27	.	.	.06	.06	0	Hidden	0	s 5	s 10 W	s 2 W	F	Cy	Cr
28	.	.	.	.	0	K 2 NW	0	s 2	0	0	Cr	Cr	Cr
29	.	.	.	.	0	0	0	s 2	KS 7 W	s 2	Cr	F	Cr
30	.	.	.07	.07	0	Hidden	Hidden	s 2 E	s 10	N 10	Cr	Cy	LS
31	.10	.25	.	.35	Hidden	Hidden	Hidden	N 10	s 10	s 10	LS	Cy	Cy
Total	.58	.59	.91	2.08									

REMARKS.

March 20. Snow, B. 4.10 P.M.; E. 5.45 P.M.
 21. " B. 5.15 P.M.; E. D. N.
 22. " B. 6.25 A.M.; E. 5.00 P.M.
 23. " { B. 6.10 A.M.; E. 7.40 A.M.
 { B. 11.45 A.M.; E. 1.45 P.M.
 { B. 3.15 P.M.; E. D. N.

March 24. Snow { B. 1.25 P.M.; E. 6.40 P.M.
 { B. 8.30 P.M.; E. D. N.
 26. Hail, B. 1.45 P.M.; E. 1.55 P.M.
 27. Snow, B. 5.40 P.M. E. 7.55 P.M.
 30. " B. 5.30 P.M.; E. 1.40 P.M.

APRIL, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.44	.41	.42	.42	- 8	- 1	0	- 3	3	-13	79	85	100	N 24	N 14		W 34	458
2	.41	.54	.60	.52	0	8	2	3	10	- 4	100	100	72	N 43	W 20	NW 28	738
3	.51	.61	.56	.56	9	17	12	13	18	1	67	67	90	NW 40	SW 32	W 58	740
4	.46	.52	.61	.53	10	4	- 2	4	13	- 2	100	87	67	SW 50	W 24	W 30	1143
5	.64	.67	.68	.66	2	11	5	6	15	- 3	16	79	50	NW 7	NE 2	SW 12	428
6	.65	.67	.69	.67	4	15	10	10	18	2	48	100	68	NW 16	SW 16	SW 4	257
7	.66	.65	.63	.65	6	18	11	12	20	3	52	52	60	W 8	SW 20	W 22	249
8	.50	.41	.33	.41	10	15	3	9	20	3	68	83	86	W ..	SW 36	W 32	644
9	.36	.38	.41	.38	0	8	4	4	10	- 2	70	66	100	SW 22	SW 22	SW 29	705
10	.29	.29	.30	.29	5	10	9	8	12	3	100	100	100	SW 21	SW 24	SW 36	544
11	.33	.39	.45	.39	6	17	9	11	18	4	75	83	100	SW 18	SW 18	SW 24	602
12	.40	.38	.41	.40	4	9	- 2	4	12	- 2	87	100	84	SE 22	SW 12	SW 8	424
13	.40	.43	.46	.43	- 6	1	- 8	- 4	2	- 8	61	100	79	NW 16	NW 16	NW 36	279
14	.49	.63	.68	.60	- 6	8	10	4	10	-10	81	66	79	NW 36	NW 43	NW 52	710
15	.72	.81	.78	.77	12	23	16	17	24	8	70	46	66	NW 47	NW 34	NW 52	1182
16	.80	.91	.96	.89	14	24	17	18	24	12	64	74	67	W 36	W 14	NW 20	939
17	.94	.93	.89	.92	17	30	21	23	31	14	50	53	56	W 22	W 10	SW 24	476
18	.80	.68	.61	.70	21	28	20	23	30	17	43	44	41	SW 26	W 32	SW 40	646
19	.54	.68	.75	.66	11	23	15	16	26	10	79	34	65	W 40	SW 30	SW 28	908
20	.78	.86	.89	.84	14	27	18	20	28	10	64	42	92	SW 32	SW 25	SW 22	687
21	.91	.92	.89	.91	19	31	23	24	35	16	53	41	60	SW 17	SW 19	SW 28	506
22	.78	.78	.74	.77	21	33	24	26	34	20	85	33	61	SW 46	SW 30	SW 46	781
23	.74	.80	.84	.79	19	26	22	22	31	19	100	94	100	SW 28	S 26	SW 26	749
24	.85	.89	.91	.88	16	30	23	23	32	16	100	78	86	NW 24	SW 20	W 14	388
25	.91	.91	.94	.92	21	33	26	27	37	20	56	33	38	N 14	W 12	NW 18	358
26	.93	.92	.89	.91	23	37	27	29	38	22	46	23	43	NW 18	SW 14	NW 30	351
27	.80	.86	.87	.84	19	32	21	24	33	19	69	32	56	NW 34	NW 17	W 16	667
28	.79	.87	.87	.84	16	31	23	23	33	15	48	19	60	NW 36	NW 20	W 24	621
29	.85	.86	.79	.83	22	33	26	27	39	20	59	50	64	NW 22	SW 20	SW 48	457
30	.75	.78	.77	.77	21	33	20	25	37	20	71	26	85	W 40	W 22	NW 24	732
Means	.65	.68	.70	.68	10.7	20.5	13.5	14.9	23.1	7.7	69	63	73	28	22	29	18369

REMARKS.

April 1. Snow, B. D. N.; E. 11.30 A.M.
 4. " B. 7.30 A.M.; E. 1.30 P.M.
 5. " B. 1.55 P.M.; E. 2.30 P.M.
 6. " } B. 4.35 P.M. At intervals. E. 7.10 P.M.
 { B. 1.45 P.M.; E. 2.47 P.M.

April 8. Snow, B. 3.05 P.M.; E. 3.17 P.M.
 9. " } B. 9.25 A.M.; E. 10.40 A.M.
 { B. 8.25 P.M.; E. D. N.
 10. " B. 2.15 P.M.; E. D. N.
 11. " B. 7.45 P.M.; E. D. N.

APRIL, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.02	.19	.	.21	Hidden	Hidden	Hidden	N 10	S 10 SE	S 10	HS	Cy	Cy
2	.	.	.	.	c 3 NW	Hidden	0	0	S 10 SW	S 2	F	Cy	Cr
3	.	.	.	.	c 7	K 3 SW	0	0	0	S 3 W	F	F	F
4	.	.27	.	.27	0	Hidden	c 2	0	S 10 SW	S 3 SW	Cr	Cy	F
5	.	T	.	T	c 3	0	0	0	S 7 SW	S 2	F	F	Cr
6	.	.02	.04	.06	0	Hidden	0	S 2	N 10	S 5 SW	Cr	LS	F
7	.	.	.	.	0	K 2	0	0	0	0	Cr	Cr	Cr
8	.	.	T	T	0	Hidden	Hidden	S 3	S 10	S 10 NW	F	Cy	Cy
9	.	.02	.01	.03	0	K 2 NW	Hidden	S 3	S 7 SW	N 10	F	Cy	LS
10	.05	.01	.12	.18	Hidden	Hidden	Hidden	S 10	N 10	N 10	Cy	LS	LS
11	.06	.	.02	.08	Hidden	Hidden	Hidden	S 10 SW	S 10 SW	N 10	Cy	Cy	LS
12	.03	T	T	.03	Hidden	Hidden	Hidden	S 10	N 10	S 10	Cy	LS	Cy
13	.	.03	.01	.04	0	Hidden	0	S 5	N 10	S 2	F	LS	Cr
14	.	.	.	.	0	K 3 SW	0	S 3	S 3	S 3	F	F	F
15	.	.	.	.	0	K 3 W	0	S 5 W	0	S 2	F	F	Cr
16	.	.	.	.	0	K 5 W	0	S 2	K 2	S 2	Cr	F	Cr
17	.	.	.	.	c 3 NW	K 2 W	0	0	0	0	F	Cr	Cr
18	.	.	.	.	c 7 NW	K 10 SW	0	0	0	S 2	F	Cy	Cr
19	.	.	.	.	0	K 2	0	S 2	0	S 3	Cr	Cr	F
20	.	.	T	T	0	CS 2	0	Haze	Haze	N 3 SW	Cr	Cr	LS
21	T	.	.	T	CS 2	KS 10 SW	0	0	Haze	S 3	Cr	Cy	F
22	.	.	.	.	Hidden	K 3 W	0	S 10 SW	0	0	Cy	F	Cr
23	.01	.11	.01	.13	Hidden	Hidden	Hidden	Fog	Fog	N 10	Fy	Fy	LS
24	.06	.	.	.06	0	K 10 SW	K 3	0	0	0	Cr	Cy	F
25	.	.	.	.	0	K 7 W	0	Haze	0	0	Cr	F	Cr
26	.	.	.	.	c 3 W	c 5 NW	0	0	0	S 2	F	F	Cr
27	.	.	.	.	c 7	K 2 W	K 2 SW	0	0	S 5	F	Cr	F
28	.	.	.	.	0	c 7 NW	K 2	Haze	0	S 7 SW	Cr	F	Cy
29	.	.	.02	.02	CS 2	Hidden	c 3 SW	0	S 10 SW	S 4	Cr	Cy	F
30	.	.	T	T	K 2 W	K 7 W	Hidden	0	0	N 10	Cr	F	LS
Total	.23	.65	.23	1.11									

REMARKS.

April 12. Snow, B. 2.30 P.M.; E. 3.10 P.M.
 13. " B. 12.40 P.M.; E. 3.45 P.M.
 20. " B. 8.30 P.M.; E. D. N.
 23. { Hail, B. 9.45 A.M.; E. 2.30 P.M.
 Frost.

April 23. Snow, B. 5.30 P.M.; E. D. N.
 24. Frost.
 29. Snow, { B. 3.12 P.M.; E. 3.15 P.M.
 B. 3.45 P.M.; E. 6.07 P.M.
 30. " B. 8.45 P.M.; E. D. N.

1889AnHar...22...1P

MAY, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Movement.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.78	.82	.90	.83	12	13	10	8	20	10	100	100	79	W 12	N 24	NE 13	370		
2	.88	.85	.79	.84	11	31	22	21	32	5	61	28	44	NE 14	NW 18	W 28	356		
3	.66	.60	.59	.62	19	30	20	23	34	19	54	26	85	SW 38	W 20	W 19	638		
4	.54	.52	.54	.53	15	22	17	18	25	14	100	100	100	W 12	W 22	W 8	350		
5	.44	.43	.45	.44	14	19	11	15	20	11	44	100	100	W 20	SW 16	SW 12	357		
6	.39	.50	.56	.48	6	14	5	8	15	5	100	83	62	NE 20	NW 7	NE 20	379		
7	.62	.72	.74	.69	3	11	7	7	13	2	100	89	54	NE 5	W 2	W 28	196		
8	.77	.90	.94	.87	7	16	17	13	22	5	54	23	52	N 40	0	N 14	539		
9	.94	.94	.94	.94	17	30	24	24	33	15	67	48	60	NE 12	NW 8	W 17	332		
10	.91	.92	.92	.92	23	32	27	27	37	20	60	79	59	NW 24	W 17	W 20	317		
11	.93	.94	.96	.94	27	36	25	29	37	23	59	52	100	W 12	SW 16	S 16	406		
12	.90	.92	.89	.90	22	32	23	26	33	20	72	79	72	W 12	SW 17	SW 29	397		
13	.80	.77	.73	.77	22	29	20	24	30	20	85	100	100	W 16	SW 28	SW 30	462		
14	.68	.64	.64	.65	16	25	17	19	27	15	74	77	67	SW 36	W 24	SW 34	798		
15	.59	.72	.80	.64	14	26	17	19	28	12	61	28	52	W 32	W 16	SW 24	857		
16	.79	.78	.73	.77	17	26	17	20	27	12	67	67	67	SW 32	SW 20	SW 19	529		
17	.70	.71	.68	.70	15	30	22	26	31	13	83	59	72	W 42	W 40	SW 39	724		
18	.67	.65	.61	.64	16	28	12	19	30	12	49	44	61	SW 16	W 24	SW 47	848		
19	.66	.72	.76	.71	11	25	19	18	26	8	60	38	39	W 40	SW 24	W 22	880		
20	.74	.77	.81	.77	13	29	21	21	31	11	61	36	57	W 31	W 27	W 18	589		
21	.78	.73	.73	.75	20	30	22	24	31	18	41	48	72	SW 35	SW 31	SW 26	561		
22	.62	.73	.83	.73	12	15	13	13	22	12	100	100	100	N 20	NE 42	NE 40	592		
23	.84	.90	.92	.89	18	31	22	24	32	12	100	94	92	NE 15	SW 5	W 21	590		
24	.90	.92	.93	.92	22	30	25	24	32	20	85	68	88	W 18	NW 8	W 16	360		
25	.91	.94	.97	.94	27	34	29	30	37	23	44	34	78	NW 18	W 9	W 6	411		
26	.97	.96	.98	.97	31	30	26	29	39	26	49	100	72	NW 6	E 13	N 7	173		
27	.96	.95	.96	.96	27	33	29	30	38	24	67	69	67	W 8	W 4	SW 12	221		
28	.96	.96	.93	.95	30	35	30	32	39	26	59	80	79	NW 8	NE 14	SW 19	199		
29	.86	.85	.83	.85	27	33	29	30	35	26	77	69	77	W 30	NW 9	W 11	439		
30	.70	.59	.48	.59	25	34	26	28	34	24	77	79	76	SW 54	SW 44	SW 64	648		
31	.46	.41	.46	.44	25	23	6	17	26	6	63	100	63	SW 26	SW 38	W 41	1202		
Means	.75	.77	.77	.76	18.2	26.8	19.7	21.5	29.5	15.1	70	68	72	23	19	23	15720		

REMARKS.

May 1. Hail & Snow, B. 2.50 P.M. At intervals. E. 6.55 P.M.
 3. Snow, B. 8.55 P.M.; E. 8.05 A.M. of 4th.
 4. " { B. 11.00 A.M.; E. 1.10 P.M.
 { B. 8.10 P.M.; E. D. N.
 5. " B. 8.35 A.M.; E. 12.20 P.M. of 6th.

May 6. Snow, B. 3.15 P.M.; E. 5.00 P.M.
 7. " { B. D. N.; E. 9.05 A.M.
 { B. 2.30 P.M.; E. 6.40 P.M.
 11. Hail, B. 5.55 P.M.; E. D. N. in Sleet.
 12. Snow, B. 3.30 P.M.; E. 5.50 P.M.

MAY, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.01	.	.10	.11	s 3 w	Hidden	0	ks 3	Fog	ks 2	F	Fy	Cr
2	.	.	.	.	c 3 NW	cs 3 sw	c 2	0	0	0	F	F	Cr
3	.	.	T	T	c 3 w	k 7 w	Haze	s 3	0	N 5	F	F	LS
4	.05	.01	.02	.08	Hidden	Hidden	Hidden	N 10	s 10 w	N 10	LS	Cy	LS
5	.01	.09	.08	.18	cs 5 w	Hidden	Hidden	s 5	N 10	N 10 w	Cy	HS	LS
6	.12	.05	.03	.20	Hidden	Hidden	Hidden	N 10	s 10 sw	Fog	LS	Cy	Fy
7	.11	.03	.07	.21	Hidden	Hidden	0	N 10 w	N 10 NW	s 3 w	HS	LS	F
8	.	.	.	.	0	0	0	s 3 w	s 2	0	F	Cr	Cr
9	.	.	.	.	0	k 5 w	0	0	0	s 3	Cr	F	F
10	.	.	.	.	0	Hidden	0	0	s 10 w	s 5	Cr	Cy	F
11	.	.	.07	.07	c 5	k 5 sw	Hidden	0	0	N 10	F	F	Slt
12	.04	.	.03	.07	cs 7 w	Hidden	0	0	s 10	s 5 sw	F	Cy	F
13	.	.01	.38	.39	Hidden	Hidden	0	Fog	N 10 sw	Fog	Fy	Hail	Cr
14	.	.	.	.	0	0	0	s 3 sw	s 7 w	s 2	F	F	Cr
15	.	.	.	.	0	0	0	0	0	s 2	Cr	Cr	Cr
16	.	.01	T	.01	cs 3 sw	N 10 sw	Hidden	0	0	s 10 w	F	LS	Cy
17	.03	.	.	.03	c 2	k 5 sw	0	0	0	s 3 sw	Cr	F	F
18	.	.	.	.	c 3	c 2 sw	0	0	0	0	F	Cr	Cr
19	.	.	.	.	0	0	0	0	0	s 5	Cr	Cr	F
20	.	.	.	.	0	k 3 w	0	0	Haze	s 3	Cr	F	F
21	.	.	.	.	k 10 sw	k 2 sw	Hidden	Haze	Haze	s 10	Cy	F	Cy
22	.10	2.90	.15	3.15	Hidden	Hidden	Hidden	N 10	N 10	N 10	HS	HS	LS
23	.11	T	T	.11	Hidden	Hidden	0	Fog	N 10	0	Fy	LS	Cr
24	.	T	.01	.01	k 2	N 10 NW	0	0	0	s 3	Cr	LS	F
25	.	T	.02	.02	c 10	k 5 w	0	0	0	0	Cy	F	Cr
26	.	.03	T	.03	0	Hidden	0	0	N 10 sw	s 5	Cr	LS	F
27	.	.	.	.	c 3	Hidden	0	s 4	s 10	s 7	F	Cy	F
28	.	.	.	.	0	Hidden	0	s 5	s 10	s 3 sw	F	Cy	F
29	.	.03	.	.03	0	0	c 5	s 5 w	s 7 w	0	F	F	F
30	.	.	.	.	c 5	cs 5 sw	c 10	0	k 2 N	0	F	F	Cy
31	.	.11	.02	.13	ck 5 sw	Hidden	0	0	N 10	0	F	LS	Cr
Total	.58	3.27	.98	4.83									

REMARKS.

May 13. Snow, B. 1.55 P.M.; E. 4.10 P.M.
 16. " B. 1.50 P.M.; E. 5.00 P.M.
 17. Frost.
 22. Snow, B. D. N.; E. 9.50 P.M.
 23. " B. 1.15 P.M.; E. 3.35 P.M.

May 24. Snow, B. 1.20 P.M.; E. 3.30 P.M.
 25. Hail, B. 2.05 P.M. At intervals. E. 6.20 P.M.
 26. Snow, B. 1.20 P.M.; E. 3.00 P.M.
 29. " B. 9.50 A.M.; E. 12 M.
 31. " B. 11.30 A.M.; E. 4.45 P.M.

JUNE, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind.					
													Direction and Velocity in Miles per Hour.			Movement.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.	
1	.52	.65	.71	.63	8	22	18	16	23	7	67	54	67	W 44	SW 28	W 42	968	
2	.73	.77	.83	.78	15	24	20	20	27	13	67	88	100	W 28	SW 20	NW 5	764	
3	.82	.86	.91	.86	18	24	21	21	27	17	100	82	72	NW 1	W 9	W 17	264	
4	.96	1.00	1.01	.99	21	35	28	28	37	15	60	69	67	N 8	SW 8	W 22	259	
5	.99	.97	.95	.97	28	32	29	30	40	25	67	95	59	W 42	W 20	W 36	437	
6	.84	.84	.75	.81	27	37	24	29	38	24	67	54	87	W 64	SW 20	SW 29	865	
7	.64	.71	.80	.72	16	18	17	17	23	14	91	67	75	SW 52	N 34	NW 32	906	
8	.86	.91	.86	.88	22	36	27	28	36	16	48	45	67	NW 14	SW 18	SW 28	397	
9	.72	.75	.77	.75	26	33	25	28	37	25	77	61	60	SW 64	SW 28	W 22	990	
10	.75	.81	.87	.81	19	22	21	21	30	16	52	100	100	SW 34	W 20	W 17	350	
11	.89	.93	.97	.93	21	29	24	25	34	17	60	67	72	NW 8	NW 8	NW 14	350	
12	1.00	1.02	1.04	1.02	21	29	29	26	32	19	100	67	46	N 9	NW 15	NW 21	244	
13	1.02	1.07	1.08	1.06	26	36	32	31	37	23	58	52	60	N 18	NE 11	NE 20	393	
14	1.06	1.06	1.07	1.06	34	41	36	37	42	30	34	41	52	NE 10	N 7	SW 9	286	
15	1.03	1.06	1.08	1.06	33	39	31	34	40	31	50	63	100	N 30	NW 6	N 13	351	
16	1.02	1.04	1.05	1.04	30	35	31	32	37	29	78	90	79	NE 30	N 14	NW 24	435	
17	.99	1.02	1.01	1.01	28	33	29	30	34	26	83	84	83	NW 26	NW 11	NW 18	444	
18	.93	.93	1.03	.96	25	33	27	28	35	24	75	79	77	NW 32	SW 10	NW 15	458	
19	.90	.99	.96	.95	29	36	30	32	39	26	59	52	68	N 34	N 4	W 16	498	
20	.96	.96	.96	.96	35	37	36	36	41	27	52	73	49	N 16	SW 18	NW 19	252	
21	.94	.97	.96	.96	33	42	35	37	44	32	89	32	52	W 36	W 16	W 16	597	
22	.94	1.06	1.08	1.03	33	48	36	39	50	32	69	29	62	W 50	SW 6	NE 22	661	
23	1.06	1.06	1.06	1.06	35	36	37	36	45	31	70	90	58	S 15	SE 6	NW 2	258	
24	1.02	1.01	1.01	1.01	36	40	37	38	42	33	53	56	71	N 8	E 13	NE 8	174	
25	.99	.99	.99	.99	39	43	39	40	46	33	31	43	47	NE 6	0	NW 3	161	
26	.99	.99	1.00	.99	38	47	37	41	48	33	54	48	71	0	S 22	S 26	183	
27	1.01	1.02	1.04	1.02	40	46	37	41	52	33	18	59	95	N 14	SW 16	W 14	345	
28	1.07	1.09	1.11	1.06	38	40	35	38	52	34	71	77	85	W 5	SE 6	NW 4	259	
29	1.09	1.06	1.04	1.06	34	38	34	35	47	32	75	80	79	NW 11	N 4	W 11	173	
30	.97	.92	.81	.90	36	35	24	32	42	24	56	100	93	N 16	NW 9	N 24	299	
Means	.92	.95	.96	.94	28.1	34.9	29.5	30.8	38.6	24.7	64	63	72	24	14	18	13021	

REMARKS.

June 2. Snow, B. 3.45 P.M.; E. D. N.	June 11. Snow, B. 1.50 P.M.; E. 7.30 P.M.	June 17. Snow, B. 3.30 P.M.; E. 5.00 P.M.
3. " } B. 12.35 P.M.; E. 1.10 P.M.	12. { Frost.	18. " At 6.00 P.M.
B. 2.20 P.M.; E. 4.10 P.M.	Snow, B. 9.30 A.M.; E. 9.50 A.M.	19. Hail, { B. 2.05 P.M. At intervals.
5. " B. 2.35 P.M.; E. 2.50 P.M.	14. Hail, At 5.00 P.M.	E. 7.00 P.M.
7. " B. 6.30 A.M.; E. 7.25 A.M.	15. " B. 7.20 P.M. At intervals. E. D. N.	20. Snow, B. 1.45 P.M.; E. 2.20 P.M.
10. " B. 10.55 A.M.; E. 8.20 P.M.	16. Snow, B. 3.50 P.M. At interv. E. 7.20 P.M.	23. Hail, B. 10.25 A.M.; E. 11.40 A.M.

JUNE, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.			
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07	
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	0	K 5 W	0	0	0	0	0	Cr	F	Cr
2	.	.	.35	.35	0	Hidden	Hidden	s 3	s 10 W	N 10		F	Cy	LS
3	.19	.08	.08	.35	Hidden	Hidden	0	Fog	N 10	Haze		Fy	LS	Cr
4	0	0	0	0	0	0		Cr	Cr	Cr
5	.	T	.01	.01	0	KS 7 W	K 2 W	0	N 3 W	0		Cr	LS	Cr
6	0	K 3 SW	0	s 5 W	KS 7 SW	s 7		F	Cy	F
7	.	T	.	T	Hidden	K 5 W	0	KS 10 SW	s 2	0		Cy	F	Cr
8	0	0	0	0	K 5 SW	s 2		Cr	F	Cr
9	0	K 5 SW	0	s 3	s 2	s 7 W		F	F	F
10	.	.03	.04	.07	cs 3	Hidden	Hidden	0	N 10 W	s 10		Cr	LS	Cy
11	.	T	.06	.06	cs 7 W	Hidden	0	0	N 10 W	s 5 W		F	LS	F
12	.03	.01	.	.04	Hidden	0	0	Fog	K 5 NW	0		Fy	F	Cr
13	0	K 2	0	0	0	0		Cr	Cr	Cr
14	.	.	T	T	0	c 2	Haze	0	K 5 W	K 3		Cr	F	F
15	.	.	.09	.09	K 7 W	K 5 W	Hidden	0	K 2	N 10		F	F	LH
16	.01	.	.03	.04	0	K 5 NW	0	0	Fog	KS 3 NW		Cr	F	F
17	.	.	.02	.02	K 3 NW	Hidden	Hidden	K 3	K 10 NW	Fog		F	Cy	Fy
18	.	.	T	T	K 3 NW	Hidden	0	0	s 10 W	K 2		F	Cy	Cr
19	.	.	.13	.13	0	K 2 NW	0	0	KS 5 NW	s 2		Cr	F	Cr
20	.	T	.	T	c 5	K 3 W	0	0	s 7 W	s 3 NW		F	Cy	F
21	c 3 W	K 5 SW	0	0	0	s 2		F	F	Cr
22	0	K 3 W	0	Haze	Haze	s 3		Cr	F	F
23	.	.20	.12	.32	cs 3 E	K 2	Hidden	Haze	N 7 SE	N 10		F	LH	Cy
24	c 3	K 5 W	0	s 4	K 3 NE	0		F	Cy	Cr
25	.	T	.01	.01	0	K 5 NW	K 5 NW	s 2	KS 5 NW	0		Cr	Cy	F
26	cs 2	c 3	0	0	K 4 SE	K 3 SE		Cr	F	F
27	.	T	.15	.15	0	K 7 SW	Hidden	0	0	Fog		Cr	F	Fy
28	.02	.48	.34	.84	0	Hidden	c 10 W	0	N 10 SE	0		Cr	LH	Cy
29	.	.03	.24	.27	c 2	Hidden	c 7	0	N 10 N	0		Cr	LS & R	F
30	.	T	.16	.16	ck 10	Hidden	0	0	Fog	s 7 NW		Cy	Fy	F
Total	.25	.83	1.83	2.91										

REMARKS.

June 23. { Hail, B. 1.40 P.M.; E. 3.15 P.M.
Snow, B. 3.15 P.M.; E. 4.40 P.M.
25. Hail, { B. 12.50 P.M.; E. 1.00 P.M.
B. 2.05 P.M.; E. 2.10 P.M.
B. 5.30 P.M.; E. 6.00 P.M.

June 27. Hail, { B. 2.20 P.M. At intervals.
E. 7.00 P.M.
28. Hail, { B. D. N.; E. D. N.
B. 11.00 A.M. At intervals.
E. 7.00 P.M.

June 29. Rain & Snow, { B. 1.55 P.M. At inter-
vals. E. 7.30 P.M.
30. Hail & Snow, { B. 1.50 P.M.;
E. 8.50 P.M.

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JULY, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.				Movement. 24 Hours.
														Direction and Velocity in Miles per Hour.				
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07		
1	.90	.93	.97	.93	20	34	34	29	37	18	85	74	79	N 8	NW 6	NW 22	321	
2	.97	1.02	1.06	1.02	40	49	41	43	51	34	63	37	56	NW 16	NW 12	NW 8	333	
3	1.04	1.06	1.06	1.05	40	46	43	43	48	38	39	39	43	W 22	W 12	NE 16	284	
4	1.04	1.06	1.06	1.05	40	54	42	45	55	36	48	31	42	W 20	NW 6	NE 9	317	
5	1.03	.99	1.00	1.01	38	52	44	45	54	33	54	53	51	SW 16	SW 20	SW 9	327	
6	.99	.97	.95	.97	43	58	44	48	59	37	35	31	51	NW 19	SW 19	SW 20	302	
7	.91	.91	.88	.90	39	56	42	46	58	35	63	34	75	SW 20	SW 15	SW 20	412	
8	.82	.94	1.00	.92	33	44	34	37	47	31	69	51	61	W 44	W 19	NW 8	564	
9	1.04	1.09	1.10	1.08	29	48	37	38	49	28	100	42	62	SW 20	SW 24	NW 26	431	
10	1.10	1.09	1.08	1.09	35	53	42	43	55	33	70	35	58	NW 24	SW 16	SW 17	505	
11	1.07	1.11	1.12	1.10	38	53	44	45	55	36	46	24	45	NW 9	N 2	NW 4	275	
12	1.11	1.10	1.11	1.11	42	52	42	45	54	38	58	59	65	E 8	NW 15	W 11	158	
13	1.11	1.08	1.08	1.09	40	52	38	43	54	36	56	59	71	S 12	S 12	NW 7	260	
14	1.05	1.06	1.07	1.06	35	43	37	38	50	33	52	75	62	SW 20	NW 1	NW 4	317	
15	1.05	1.06	1.07	1.06	36	46	39	40	48	33	80	60	63	W 2	0	SW 6	94	
16	1.02	1.04	1.05	1.04	39	44	37	40	45	36	55	56	80	NE 9	NE 14	NW 13	145	
17	1.05	1.11	1.12	1.09	35	43	36	38	43	34	80	35	90	NE 12	NE 23	NE 12	368	
18	1.12	1.12	1.12	1.12	36	37	39	37	48	33	62	85	63	NE 6	NE 1	NE 3	290	
19	1.10	1.13	1.15	1.13	40	42	37	40	43	35	64	42	71	NE 4	E 20	NE 8	162	
20	1.15	1.15	1.15	1.15	36	40	36	37	43	33	80	86	100	NE 12	S 20	SW 20	310	
21	1.13	1.13	1.14	1.13	36	42	40	39	46	34	85	83	56	W 4	N 9	NE 12	332	
22	1.14	1.19	1.20	1.18	38	45	43	43	50	36	50	76	75	N 13	NE 8	SW 4	225	
23	1.17	1.14	1.12	1.14	39	44	36	40	49	36	91	80	90	NW 8	NE 11	W 14	159	
24	1.08	1.07	1.06	1.07	37	42	39	39	48	35	80	79	81	N 14	SW 15	W 12	234	
25	1.03	1.05	1.04	1.04	36	49	38	41	49	34	70	59	63	NW 24	SW 15	NW 24	410	
26	1.04	1.10	1.14	1.09	34	44	41	40	49	32	79	67	57	W 28	N 11	NW 8	421	
27	1.13	1.15	1.14	1.14	37	55	43	45	56	35	54	27	39	NW 12	SW 16	SW 16	211	
28	1.15	1.17	1.17	1.16	41	55	46	47	58	39	28	12	33	W 8	W 4	N 16	298	
29	1.17	1.17	1.16	1.17	43	56	46	48	60	38	43	34	47	SW 2	S 20	SW 12	223	
30	1.15	1.14	1.14	1.14	43	48	41	44	56	41	51	86	73	SW 23	E 13	SW 12	362	
31	1.08	1.10	1.10	1.09	39	52	42	44	55	36	72	66	65	SW 25	SW 6	W 10	406	
Means	1.06	1.08	1.09	1.08	37.3	47.7	40.1	41.7	50.7	34.4	63	54	63	15	12	12	9456	

REMARKS.

July 3. Hail, { B. 12.00 M. At intervals. { E. 2.18 P.M.	July 14. { Rain, B. 1.15 P.M.; E. 6.30 P.M. { Snow, B. 6.30 P.M.; E. 8.15 P.M.	July 17. Rain, B. 6.40 P.M.; E. 7.30 P.M.
12. " { B. 1.55 P.M.; E. 2.15 P.M. { At 6.15 P.M.	15. Rain, { B. 2.20 P.M. At intervals. { E. 6.30 P.M.	18. Rain, Hail, and Snow, { B. 10.50 A.M. { E. 3.20 P.M.
13. { Rain, B. 2.45 P.M.; E. 4.35 P.M. { Hail, B. 2.00 P.M.; E. 2.15 P.M.	16. " { B. 4.21 P.M.; E. 7.35 P.M. { B. 8.50 P.M.; E. D. N.	19. Rain, B. 7.10 P.M.; E. 8.45 P.M. 20. " { B. 10.05 A.M. At intervals { E. 5.50 P.M.

JULY, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	K 3 W	0	0	K 4	0	Cr	F	Cr
2	0	0	0	0	0	0	Cr	Cr	Cr
3	.	.01	.	.01	0	Hidden	0	0	KS 10 SW	0	Cr	Cy	Cr
4	0	K 5 NW	CK 2	0	0	0	Cr	F	Cr
5	0	0	0	0	Haze	Haze	Cr	Cr	Cr
6	0	K 2 SW	0	Haze	Haze	s	Cr	Cr	Cr
7	C 2	K 7 W	0	Haze	0	s 8 SW	Cr	F	Cy
8	0	K 3	0	KS 3 W	0	s 2	F	F	Cr
9	Hidden	K 3 SW	0	Fog	0	s 2	Fy	F	Cr
10	0	K 3 W	0	0	0	0	Cr	F	Cr
11	0	K 7	0	0	0	s 2	Cr	F	Cr
12	.	.02	T	.02	0	K 5 SW	0	0	s 5 SE	s 2	Cr	Cy	Cr
13	.	T	.11	.11	CK 7 SW	Hidden	0	0	s 10	s 2	F	Cy	Cr
14	.	.10	.22	.32	CS 2	N 7 W	0	0	K 3	0	Cr	LR	Cr
15	.	.01	.01	.02	C 2 W	Hidden	0	K 3	N 10	s 3	F	LR	F
16	.	.	.09	.09	K 2	K 10 NE	Hidden	0	0	N 10	Cr	Cy	LR
17	.01	.	.03	.04	KS 10 W	K 3 W	0	0	0	s 2	Cy	F	Cr
18	.	.30	.02	.32	CS 2	Hidden	0	0	N 10 NE	s 3	Cr	LS	F
19	.	.	T	T	CK 7 W	KS 10 E	0	0	0	s 5 SE	F	Cy	F
20	.	.09	T	.09	K 5	Hidden	Hidden	0	Fog	Fog	F	Fy	Fy
21	.	.07	T	.07	C 2	s 2	0	K 2	KS 7 N	s 5	F	Cy	F
22	.	.	.01	.01	0	K 3 NE	0	0	KS 7 SW	0	Cr	Cy	Cr
23	.01	.10	.44	.55	CS 2	K 3	Hidden	Haze	KS 7 E	N 10	Cr	Cy	LR
24	.10	.23	T	.33	K 2	s 10	0	KS 2 NE	0	KS 3 SW	F	Cy	F
25	0	0	K 2	0	KS 8 W	0	Cr	Cy	Cr
26	.	.04	T	.04	0	K 5 SW	K 2	0	KS 3 N	0	Cr	Cy	Cr
27	.	.	T	T	0	K 5 NW	K 2 W	0	0	0	Cr	F	Cr
28	0	K 3 W	K 3 NW	0	0	0	Cr	F	F
29	.	T	T	T	K 2	K 5 SW	K 3 SW	0	KS 2	s 7 N	Cr	F	Cy
30	.	.01	.06	.07	CK 5 W	Hidden	C 5 SW	0	N 10 SW	0	F	LR	F
31	.	.04	.07	.11	C 5 W	N 10 SW	C 5 W	KS 2	0	K 2	F	Hail	F
Total	.12	1.02	1.06	2.20									

REMARKS.

July 21. Rain, { B. 11.30 A.M.; E. 12.30 P.M.
B. 1.35 P.M. At intervals.
E. 4.40 P.M.
22. Rain & Hail, B. 5.50 P.M.; E. 6.15 P.M.
23. Rain, B. D.N.; E. D. N.

July 23. { Hail & Rain, B. 11.45 P.M.; E. 12.35 P.M.
Rain, B. 1.30 P.M. At intervals. E. D.N.
24. Rain & Hail, { B. 12.15 P.M.; E. 1.45 P.M.
B. 6.35 P.M.; E. 7.10 P.M.
26. " " B. 2.03 P.M.; E. 3.15 P.M.

July 27. Rain, At 3.30 P.M.
30. Rain, { B. 12.55 P.M. At intervals.
E. 7.35 P.M.
31. Rain, Hail, & Snow, { B. 12.45 P.M.;
E. 4.35 P.M.

AUGUST, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
														Direction and Velocity in Miles per Hour.						Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	1.13	1.11	1.13	1.12	38	46	36	40	50	36	71	77	100	w	16	sw	22	sw	24	290
2	1.09	1.10	1.10	1.10	35	44	39	39	46	34	90	63	67	nw	10	n	4	ne	4	336
3	1.09	1.10	1.07	1.09	36	47	39	41	52	35	71	37	63	ne	8	nw	5	w	8	122
4	1.05	.98	.94	.99	38	49	36	41	50	35	71	42	80	n	4	s	20	w	14	136
5	.96	1.03	1.09	1.03	32	44	37	38	46	31	74	75	80	w	20	ne	4	nw	18	401
6	1.12	1.15	1.16	1.14	33	40	35	36	54	31	79	71	69	w	20	n	18	s	6	405
7	1.16	1.16	1.16	1.16	38	45	36	40	48	33	37	75	71	ne	10	ne	8	w	4	213
8	1.10	1.06	1.02	1.06	40	42	39	40	46	35	56	67	71	nw	4	ne	12	w	20	124
9	.91	.89	.89	.90	35	41	34	37	47	34	80	91	69	w	20	nw	12	w	18	388
10	.86	.93	.98	.92	31	40	36	36	42	28	100	56	61	w	22	w	20	w	22	388
11	.99	1.02	1.01	1.01	35	52	41	43	54	32	37	23	48	w	22	sw	12	sw	20	485
12	.99	1.00	1.01	1.00	37	55	43	45	56	36	37	12	35	w	28	w	20	s	16	501
13	1.02	1.05	1.04	1.04	38	48	37	41	54	37	71	49	54	w	12	sw	12	s	22	424
14	1.04	1.03	1.04	1.04	35	43	38	39	46	34	100	75	100	sw	20	sw	16	sw	16	399
15	1.02	1.03	1.05	1.03	34	47	42	41	49	34	90	62	91	sw	4	sw	14	sw	12	229
16	1.07	1.10	1.10	1.09	37	57	45	46	58	36	80	40	84	w	4	sw	8	sw	20	177
17	1.09	1.08	1.09	1.09	41	53	41	45	54	38	73	48	65	sw	12	w	5	n	12	265
18	1.10	1.08	1.05	1.08	39	42	33	38	46	33	72	83	100	s	7	e	12	w	4	183
19	1.02	1.02	1.00	1.01	33	36	34	34	39	32	100	95	100	nw	2	sw	6	w	4	110
20	.93	.92	.95	.93	33	38	34	35	39	33	100	95	90	sw	24	sw	22	nw	12	252
21	.95	.94	.92	.94	32	43	33	36	45	31	94	67	89	w	6	s	16	sw	21	237
22	.79	.82	.92	.98	28	36	29	31	39	27	100	53	67	w	32	sw	26	sw	3	578
23	.95	.98	1.02	.98	26	42	34	34	43	23	48	35	52	sw	26	w	24	sw	24	414
24	1.09	1.14	1.14	1.12	31	45	33	36	46	27	59	48	69	sw	20	sw	16	sw	14	412
25	1.14	1.10	1.09	1.11	31	46	34	37	47	28	69	42	61	sw	22	sw	12	w	18	366
26	1.04	1.02	1.01	1.02	32	43	35	40	47	31	50	66	80	sw	30	w	8	w	13	416
27	.96	.98	.99	.98	31	43	36	37	45	30	89	54	62	sw	28	w	6	w	6	396
28	.95	.97	.97	.96	30	44	35	36	45	29	100	44	73	sw	17	sw	9	sw	24	218
29	.99	1.01	1.04	1.01	33	44	38	38	45	30	50	51	80	w	12	se	6	w	7	311
30	1.04	1.06	1.08	1.06	34	49	39	41	50	32	79	43	63	sw	12	sw	14	w	8	264
31	1.07	1.10	1.10	1.09	33	41	33	36	45	33	79	73	89	w	6	w	14	w	16	195
Means	1.02	1.07	1.04	1.04	34.2	44.7	36.9	38.6	47.5	32.2	74	58	74	16	13	14				9635

REMARKS.

Aug. 1. { Rain & Hail, B. 12.50 P.M. At in-
tervals. E. 9.00 P.M.
3. Snow, { B. 1.50 P.M.; E. 2.10 P.M.
 { B. 3.10 P.M.; E. 5.15 P.M.
4. " B. 4.00 P.M.; E. 5.10 P.M.
5. " B. 6.25 P.M.; E. 6.35 P.M.

Aug. 6. Hail & Snow, B. 1.55 P.M.; E. 5.00 P.M.
7. Hail, B. 2.30 P.M.; E. 2.50 P.M.
8. " B. 1.10 P.M.; E. 1.55 P.M.
9. " B. 1.45 P.M.; E. 2.30 P.M.
13. Snow, B. 1.50 P.M.; E. 2.45 P.M.
14. Rain, D. N.

Aug. 14. Rain, B. 6.30 P.M.; E. D. N.
15. " B. 7.20 P.M.; E. 7.25 P.M.
17. " { B. 1.25 P.M.; E. 1.40 P.M.
 { B. 4.00 P.M.; E. 5.30 P.M.
18. { Rain, B. 1.15 P.M.; E. 1.35 P.M.
 { Snow, B. 6.20 P.M.; E. D. N.

AUGUST, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	T	.73	.73	k 5 sw	Hidden	Hidden	k 2	s 10 sw	s 10	F	Cy	Cy
2	.	.	.	.	CS 5	k 7 w	k 3	0	s 3 w	KS 4 w	F	Cy	F
3	.	T	.07	.07	0	k 3 w	CK 5	Haze	KS 5 w	0	Cr	Cy	F
4	.	.	.04	.04	CK 5	Hidden	0	0	s 10 w	s 7 w	F	Cy	F
5	.	.	T	T	0	k 7 SE	k 3 NW	s 3	0	0	F	F	F
6	.	.64	.04	.68	0	Hidden	c 7 w	Haze	N 10 w	0	Cr	Hail	F
7	.	T	T	T	c 5 NW	Hidden	0	s 2	N 10 w	s 1	F	Hail	Cr
8	.	.03	.	.03	0	Hidden	Hidden	0	s 10 w	s 10	Cr	Cy	Cy
9	.	.32	.	.32	0	Hidden	0	s 5	Fog	s 5	F	Fy	F
10	.	.	.	.	Hidden	0	0	Fog	0	0	Fy	Cr	Cr
11	.	.	.	.	0	0	0	s 3	0	0	F	Cr	Cr
12	.	.	.	.	0	0	CK 5 w	0	0	s 5 w	Cr	Cr	Cy
13	.	.03	T	.03	0	Hidden	Haze	0	N 10 w	s 8	Cr	LS	Cy
14	.08	.	.09	.17	Hidden	Hidden	Hidden	Fog	Fog	N 10	Fy	F	LR
15	.06	.	T	.06	c 3	k 5 w	0	s 4	k 5	s 3	F	Cy	F
16	.	.	.	.	CK 5 w	k 7	Haze	s 2	0	Haze	F	F	Hazy
17	.	.02	.52	.54	CK 5	Hidden	k 3	0	KS 10 w	0	F	Cy	F
18	.	T	.18	.18	k 7 s	k 7	Hidden	0	0	N 10	F	F	LS
19	.32	.20	.14	.66	c 7 NW	Hidden	Hidden	KS 3	N 10	Fog	Cy	HS	Fy
20	.23	.02	.04	.29	Hidden	s 10	0	Fog	0	s 3	Fy	Cy	F
21	.	T	T	T	s 2	k 10 sw	0	0	0	s 5 sw	Cr	Cy	F
22	.13	.	.	.13	Hidden	k 2 sw	0	Fog	0	0	Fy	Cr	Cr
23	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
24	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
25	.	.	.	.	0	k 5 sw	Haze	0	0	0	Cr	F	Cr
26	.	.	.10	.10	CK 5 w	Hidden	Hidden	0	s 10	N 10	F	Cy	LS
27	.12	.	.08	.20	Hidden	k 5 w	KS 5	Fog	0	s 2	Fy	F	F
28	.	.	.	.	c 5 sw	k 7	CK 7 sw	0	0	0	F	F	F
29	.	.	.07	.07	0	k 5 SE	KS 5 w	s 7	0	s 2	F	F	F
30	.02	.	T	.02	c 3 w	k 7 w	KS 7 sw	0	0	0	F	F	F
31	.05	.02	.24	.31	c 7	Hidden	Hidden	0	s 10 sw	s 10	F	Cy	Cy
Total	1.01	1.28	2.34	4.63									

REMARKS.

Aug. 19. Snow, B. 7.15 A.M.; E. 8.30 P.M.
 20. { Rain, B. 10.10 A.M.; E. 11.00 A.M.
 { Hail, B. 5.50 P.M.; E. 7.30 P.M.
 { Snow, D. N.
 21. { Hail, B. 1.30 P.M. At intervals.
 { E. 5.30 P.M.

Aug. 22. Snow, D.N.
 26. " B. 3.10 P.M.; E. D. N.
 27. " B. 6.00 P.M.; E. 7.20 P.M.
 29. Hail, B. 6.25 P.M.; E. 7.50 P.M.
 30. { Hail B. 9.08 P.M.; E. D. N.
 { Snow at 4.30 P.M., and D. N.

Aug. 31. { Hail, B. 10.45 A.M. At intervals.
 { E. 12.15 P.M.
 { Hail, B. 4.35 P.M.; E. 5.00 P.M.
 { Snow, B. 5.20 P.M.; E. 7.00 P.M.

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SEPTEMBER, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	1.11	1.11	1.12	1.11	31	37	31	33	40	31	79	80	79	N 6	W 10	N 6	270
2	1.10	1.07	1.08	1.08	31	44	38	38	44	31	79	35	56	W 16	W 6	N 6	260
3	1.06	1.06	1.05	1.06	33	45	36	38	51	33	61	35	80	NW 8	E 8	SW 10	199
4	1.00	.98	.98	.99	33	47	33	38	47	32	89	54	79	W 8	W 16	W 16	293
5	.92	.95	.94	.94	31	42	35	36	43	30	69	48	61	W 29	W 24	W 16	504
6	.88	.88	.88	.88	30	44	35	36	45	30	79	42	69	SW 36	SW 21	W 26	575
7	.88	.91	.91	.90	29	42	35	35	43	27	77	30	80	SW 36	W 20	W 20	688
8	.83	.92	.95	.90	27	38	27	31	39	26	88	56	77	W 38	W 12	W 12	599
9	.96	1.00	1.00	.99	25	39	30	31	39	23	88	63	79	SW 10	SW 16	W 14	307
10	1.02	1.01	1.00	1.01	26	41	32	33	43	25	65	33	79	W 8	W 10	W 20	287
11	.98	.98	.98	.98	28	42	34	35	44	27	77	74	51	W 8	W 8	N 11	394
12	.95	.96	1.01	.97	29	39	29	32	43	28	78	72	78	NW 20	SW 16	W 12	372
13	.96	.98	1.03	.99	24	36	26	29	37	23	74	70	52	W 23	W 14	W 16	373
14	1.00	1.01	1.01	1.01	26	38	29	31	39	20	76	34	72	NW 20	W 7	W 11	380
15	.97	.94	.89	.93	28	42	31	34	43	26	77	65	64	W 20	W 6	W 16	279
16	.80	.81	.81	.81	25	35	30	30	37	24	64	70	78	NW 16	SW 8	SW 17	452
17	.80	.84	.84	.83	25	33	27	28	37	23	81	100	88	W 16	W 20	SW 10	357
18	.80	.76	.76	.77	27	26	24	26	31	24	100	83	100	W 8	N 8	NE 16	198
19	.76	.87	.91	.85	18	29	24	24	31	16	52	59	88	NW 8	W 11	W 24	309
20	.96	1.02	1.02	1.00	29	40	31	33	41	15	67	63	79	NE 20	W 16	W 16	395
21	1.04	1.00	.97	1.00	33	43	34	37	43	30	61	24	69	W 12	SW 20	W 22	337
22	.98	1.00	1.01	1.00	29	38	31	33	39	27	59	56	59	NW 24	W 16	SW 20	517
23	.98	.96	.94	.96	27	39	31	32	41	25	77	37	59	W 4	SW 15	SW 24	266
24	.96	1.00	1.04	1.00	27	41	30	33	42	26	77	33	68	W 16	SW 6	W 20	364
25	1.09	1.13	1.16	1.13	29	43	32	35	43	28	78	43	60	W 8	SW 7	S 2	268
26	1.14	1.10	1.10	1.11	28	40	32	33	41	27	67	56	50	W 12	S 12	SW 4	175
27	1.08	1.03	1.05	1.05	29	34	28	30	35	26	59	69	100	W 4	NE 16	NE 15	129
28	1.05	1.06	1.06	1.06	25	31	27	28	31	24	88	79	94	0	NW 7	N 8	237
29	.98	.96	.94	.96	25	31	23	26	33	23	73	49	79	N 30	W 15	NW 32	413
30	.86	.89	.91	.89	12	20	19	17	23	6	67	70	53	NW 34	NW 14	NW 30	637
Means	.96	.97	.95	.96	27.6	38.0	30.1	31.9	39.6	25.2	74	56	73	17	13	16	10829

REMARKS.

Sept. 1. Hail, { B. 10.15 AM.; E. 2.30 P.M.
 { B. 6.50 P.M.; E. 7.10 P.M.
2. Rain, B. 6.55 P.M.; E. 7.05 P.M.
3. " B. 3.05 P.M.; E. 3.40 P.M.
4. Snow, B. 3.45 P.M.; E. 5.10 P.M.

Sept. 9. Snow, B. 7.40 P.M.; E. 8.30 P.M.
15. " B. 4.00 P.M.; E. 4.35 P.M.
16. { Hail, B. 4.30 P.M.; E. 6.15 P.M.
 { Snow, B. 11.15 A.M.; E. 1.30 P.M.
17. Hail and Snow, B. 12.10 P.M.; E. 4.30 P.M.

SEPTEMBER, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.16	.03	.19	0	Hidden	s 5 N	KS 5	s 10 SW	KS 2	F	Cy	F
2	.	.	T	T	0	K 5 NW	c 5	s 5	0	KS 2	F	F	F
3	.	.	.05	.05	0	Hidden	CK 5 SE	KS 7	s 10 SW	s 2	F	Cy	F
4	.	.	.17	.17	0	KS 5 SW	c 3	s 5	s 2	0	F	F	Cr
5	0	KS 5 s	0	s 2	0	s 2	Cr	F	Cr
6	0	0	0	0	K 5 s	0	Cr	F	Cr
7	CK 5	CS 5 SW	0	0	0	s 5	F	F	F
8	CK 5 SW	CS 5 SW	0	0	KS 2	0	F	F	Cr
9	.	.	.09	.09	Hidden	KS 5 SW	Haze	Fog	0	Fog	Fy	F	Fy
10	0	K 5 N	0	s 3	0	0	F	F	Cr
11	CK 5	c 5 SW	0	s 2	K 2	s 5	F	F	F
12	0	Hidden	Hidden	s 3 SW	s 10 w	Fog	F	Cy	Fy
13	0	K 10 w	0	0	0	0	Cr	Cy	Cr
14	0	K 3 w	0	s 2	0	0	Cr	F	Cr
15	.	.	.14	.14	0	K 7 w	0	0	0	s 5	Cr	F	F
16	.	T	.02	.02	0	K 3 w	Haze	s 7 w	KS 7	s 3	F	Cy	F
17	.	.03	.09	.12	0	Hidden	0	s 5	N 10	s 3	F	Hail	F
18	.21	.11	.12	.44	Hidden	K 7 N	Hidden	N 10	0	N 10	HS	F	LS
19	.04	.	.	.04	0	K 2 SW	0	s 2	0	0	Cr	Cr	Cr
20	0	K 2	0	0	0	0	Cr	Cr	Cr
21	CS 5 w	CS 5 SW	0	s 2	0	0	F	F	Cr
22	0	KS 5	0	s 7 w	s 5	s 5	F	Cy	F
23	c 7	c 3 w	0	0	K 2	s 2	F	F	Cr
24	0	K 3 s	0	s 7 w	0	0	F	F	Cr
25	0	K 3 w	0	0	0	0	Cr	F	Cr
26	.	.08	.	.08	0	K 5 SW	c 3	s 2	0	0	Cr	F	Cr
27	.	.04	.06	.10	CS 5	KS 5 w	Hidden	0	s 2 w	N 10	F	F	LS
28	.06	.03	.07	.16	CS 3	K 3	Hidden	s 7	K 3 NW	Fog	Cy	F	Fy
29	T	.	.	T	c 5	K 3	0	s 2	0	0	F	F	Cr
30	0	Hidden	0	0	s 10 w	0	Cr	Cy	Cr
Total	.31	.45	.84	1.60									

REMARKS.

Sept. 18. Snow, B. D. N.; E. D. N.

26. Hail, B. 11.30 A.M.; E. 1.15 P.M.

27. { Hail, B. 10.45 A.M. At intervals. E. 8.00 P.M.
Snow, B. 8.00 P.M.; E. D. N.

Sept. 28. { Snow, B. 9.05 A.M.; E. 11.30 A.M.
" B. 5.45 P.M.; E. 6.15 P.M.
Hail, B. 9.30 P.M.; E. D. N.

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OCTOBER, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.					Move- ment.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.94	.95	.95	.95	22	30	24	25	30	17	72	2	48	N 24	W 8	E 10	419		
2	.90	.95	.92	.92	21	33	28	27	33	19	71	26	67	NE 16	W 6	W 9	330		
3	.85	.83	.80	.83	23	32	27	27	32	21	60	42	54	NW 38	W 25	NW 28	501		
4	.73	.76	.76	.75	22	24	22	23	27	16	72	87	72	N 32	W 16	W 31	647		
5	.79	.86	.90	.85	25	38	31	31	40	21	75	38	73	NW 28	NW 7	W 19	541		
6	.93	.96	.95	.95	29	40	32	34	41	28	77	59	79	W 22	W 19	NW 20	378		
7	.92	.93	.95	.93	27	40	31	33	41	26	82	63	74	NW 22	W 16	W 16	615		
8	.96	.97	.99	.97	26	37	28	30	39	26	88	71	67	W 14	NW 11	W 10	291		
9	.99	.96	.99	.98	27	34	29	30	37	26	77	79	77	NW 12	0	W 1	227		
10	.95	.94	.94	.94	24	35	26	28	35	23	72	52	77	NW 12	SW 26	SW 17	246		
11	.89	.90	.88	.89	24	33	25	27	34	23	100	69	100	SW 13	SW 20	SW 18	404		
12	.91	.88	.87	.89	23	31	26	27	32	23	72	100	100	W 10	SW 8	SW 16	318		
13	.83	.82	.86	.84	23	27	24	25	31	23	72	100	100	N 8	SW 8	W 4	221		
14	.88	.92	.93	.91	18	25	19	21	26	17	83	48	59	W 2	SW 14	W 2	128		
15	.94	.90	.88	.91	18	28	22	23	32	16	52	67	66	SW 4	SW 4	0	138		
16	.83	.76	.76	.78	19	23	20	21	24	17	67	66	78	N 4	E 4	NE 8	95		
17	.72	.72	.72	.72	18	23	18	20	24	17	100	100	100	E 4	N 8	W 14	187		
18	.70	.61	.57	.63	17	19	17	18	20	14	92	60	92	NW 3	NW 24	NW 13	226		
19	.42	.42	.43	.42	4	5	3	4	17	2	100	100	100	NW 32	NW 24	NW 37	544		
20	.36	.43	.47	.42	0	5	7	4	10	0	100	100	100	W 24	NE 8	NE 15	576		
21	.48	.60	.60	.56	- 2	6	3	2	7	- 2	100	100	100	NE 36	NW 8	NW 36	437		
22	.59	.73	.79	.70	13	19	19	17	22	1	90	75	54	N 52	NW 29	NW 34	835		
23	.75	.82	.84	.80	16	21	16	18	22	15	49	57	65	NW 45	N 21	W 28	1050		
24	.81	.87	.88	.85	16	21	20	19	23	12	66	56	70	N 36	NW 17	NE 18	584		
25	.90	.93	.92	.92	23	31	23	26	31	18	60	49	34	NW 14	NW 8	SW 17	343		
26	.88	.87	.83	.86	21	31	23	25	33	19	43	48	46	SW 20	SW 12	SW 32	333		
27	.82	.83	.79	.81	19	27	21	22	30	16	69	66	71	NW 16	SW 14	SW 37	451		
28	.79	.77	.71	.76	18	28	22	23	29	15	76	51	58	SW 21	SW 25	SW 48	613		
29	.64	.64	.64	.64	12	22	14	16	23	12	91	65	81	SW 35	SW 16	SW 24	641		
30	.61	.61	.64	.62	9	16	10	12	21	7	100	66	100	SW 24	SW 28	SW 14	915		
31	.62	.65	.65	.44	9	15	11	12	19	8	100	82	100	SW 16	SW 14	SE 8	469		
Means	.79	.80	.80	.80	18.2	25.8	20.7	21.6	27.9	16.0	78	66	76	21	14	19	13703		

REMARKS.

Oct. 4. Snow, B. 11.30 A.M. At intervals. E. 2.50 P.M.
 7. " B. 6.40 P.M.; E. 6.45 P.M.
 8. " B. 1.50 P.M.; E. 2.30 P.M.
 9. " At 2.00 P.M.

Oct. 9. Snow, B. 4.15 P.M.; E. 5.10 P.M.
 10. " B. 4.50 P.M.; E. 6.00 P.M.
 11. " { B. 1.45 P.M.; E. 2.25 P.M.
 { B. 4.05 P.M.; E. 7.30 P.M.

OCTOBER, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	0	0	0	Haze	0	Cr	Cr	Cr
2	.	.	.	.	0	K 2 NW	C 10 NW	0	0	0	Cr	Cr	Cy
3	.	.	.	.	CS 10 NW	C 7 NW	Hidden	0	0	s 10 w	Cy	F	Cy
4	.	.08	T	.08	CK 7 NW	Hidden	CS 7	0	N 10 w	0	F	LS	F
5	.	.	.	.	C 3 NW	K 2 NW	0	0	0	0	F	Cr.	Cr
6	.	.	.	.	0	CS 5	CK 8 w	0	Haze	Haze	Cr	F	Cy
7	.	.	T	T	CS 3	KS 5 w	Hidden	0	Haze	KS 10 w	Cr	F	Cy
8	.	.02	.	.02	CS 7 w	K 3 w	0	Haze	KS 5	s 3	F	Cy	F
9	.	T	.03	.03	CS 5	Hidden	Hidden	0	s 10	KS 10	F	Cy	Cy
10	.	.	.04	.04	C 5	K 2	Hidden	0	K 3 SW	s 10	F	F	Cy
11	*.05	.03	.12	.20	K 5 SW	Hidden	Hidden	s 2 SW	KS 10 w	s 10 w	F	Cy	Cy
12	.	.08	.05	.13	CK 2	Hidden	Hidden	0	N 10 w	Fog	Cr	LS	Fy
13	.	.22	.17	.39	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	HS	LS
14	.03	.	.	.03	CS 3 w	0	0	0	0	0	F	Cr	Cr
15	.	.	.	.	C 5	K 5 w	0	0	0	0	F	F	Cr
16	.	.	.	.	CS 5	Hidden	CS 5	0	s 10	s 2	F	Cy	F
17	*.02	.23	.09	.34	Hidden	Hidden	Hidden	Fog	N 10	Fog	Fy	LS	Fy
18	*.02	.	.	.02	0	CS 10 NW	0	s 3	0	s 3	F	Cy	F
19	.	.	.	.	K 5	K 5 NW	0	s 2 NW	0	0	F	F	Cr
20	.	.05	.09	.14	0	Hidden	Hidden	s 2 w	N 10 NE	N 10	Cr	LS	LS
21	.03	.	.02	.05	Hidden	C 3 NW	0	s 10 NE	K 3 NW	s 2	Cy	F	Cr
22	.	.	.	.	0	K 5 NW	0	s 3	0	s 2	F	F	Cr
23	.	.	.	.	C 5 NW	K 3 NW	0	0	0	0	F	F	Cr
24	.	.	.	.	C 5 NW	CK 7 NW	0	0	0	0	F	F	Cr
25	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
26	.	.	.	.	0	C 5 NW	C 7 w	s 2	KS 2	0	Cr	F	F
27	.	.	.	.	CS 5 NW	K 3	0	0	s 7	KS 3	F	Cy	Cr
28	.	.	.	.	0	C 3 SW	CK 7 SW	0	0	0	Cr	F	F
29	.	.	.	.	0	K 7 w	0	KS 2	0	0	Cr	F	Cr
30	*T	.	.	T	Hidden	KS 8 SW	K 3	Fog	0	0	Fy	Cy	Cr
31	*.02	.	.02	.04	Hidden	CS 7 SW	Hidden	Fog	K 2	N 10	Fy	Cy	LS
Total	.17	.71	.63	1.51									

REMARKS.

Oct. 11. Frost.

12. Snow, B. 12.50 P.M.; E. 4.30 P.M.

13. " { B. 7.30 A.M.; E. 9.10 A.M.
 { B. 1.20 P.M.; E. D. N.

Oct. 17. Snow, B. 8.10 A.M. At intervals. E. 8.00 P.M.

20. " B. 1.45 P.M.; E. D. N.

21. " B. 3.30 P.M.; E. 5 00 P.M.

31. " B. 6.30 P.M.; continued.

* Frost.

NOVEMBER, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.63	.58	.68	.63	6	6	4	5	11	3	100	100	100	E 6	N 18	NW 21	271
2	.59	.52	.49	.53	1	8	6	5	8	0	71	100	100	W 20	W 23	W 23	512
3	.59	.44	.53	.52	5	8	5	6	12	5	100	100	88	W 26	NW 12	W 8	469
4	.58	.59	.58	.58	8	12	9	10	13	0	33	52	78	NW 22	SW 38	W 54	513
5	.61	.70	.76	.69	9	10	4	8	10	1	100	89	48	W 42	W 32	NW 34	1171
6	.83	.86	.84	.84	9	13	9	10	13	2	36	81	78	N 30	NW 27	NW 28	816
7	.85	.90	.95	.90	8	21	19	16	21	2	77	43	84	N 24	N 26	NE 25	544
8	.99	1.02	1.06	1.02	21	26	26	24	28	17	71	52	64	N 26	NE 22	NE 18	593
9	1.06	1.03	.99	1.03	29	32	24	28	32	24	24	42	48	NW 9	NW 1	W 1	324
10	.88	.78	.74	.80	22	29	24	25	29	21	10	59	48	0	W 22	W 20	114
11	.63	.56	.56	.58	19	21	14	18	26	14	69	85	82	W 34	SW 32	SW 30	561
12	.58	.55	.60	.58	13	18	2	11	19	2	81	100	100	SW 15	SW 18	N 11	540
13	.64	.69	.75	.69	2	6	8	5	9	0	100	75	45	NE 15	NW 24	NE 13	290
14	.75	.84	.83	.81	9	15	20	15	20	7	89	30	19	NE 22	NW 8	NW 8	421
15	.81	.75	.70	.75	19	21	17	19	30	16	54	71	67	NW 20	NW 4	NW 2	323
16	.69	.63	.61	.64	10	14	11	12	20	10	58	63	90	W 8	W 20	W 24	171
17	.57	.65	.95	.72	10	8	8	9	11	2	100	77	43	NW 28	NW 11	NW 26	676
18	.84	.86	.95	.88	16	22	19	19	22	2	67	44	69	W 30	NW 28	NE 28	522
19	.87	.73	.63	.74	20	22	15	19	22	15	55	58	82	NW 31	W 28	W 34	662
20	.40	.47	.55	.47	8	- 1	- 2	2	15	- 2	100	100	100	SW 28	NW 24	W 19	735
21	.59	.52	.55	.56	4	5	5	5	6	- 2	22	100	100	N 24	SW 20	NW 4	492
22	.58	.60	.68	.62	- 8	- 4	7	- 2	7	- 8	100	100	31	N 6	W 18	NW 19	200
23	.76	.78	.78	.77	10	16	13	13	16	3	79	58	80	W 26	NW 12	NW 28	498
24	.78	.75	.82	.78	10	10	11	10	13	6	58	90	60	N 32	NW 34	NE 29	743
25	.82	.76	.72	.77	13	14	16	14	17	7	62	92	66	NW 34	NW 28	NW 48	663
26	.60	.55	.50	.55	12	14	12	13	18	12	91	100	100	W 50	NW 26	W 18	1071
27	.36	.38	.37	.37	11	8	5	8	13	5	100	100	100	W 46	W 24	W 18	503
28	.31	.28	.32	.30	- 2	- 4	- 6	- 4	5	- 6	100	100	100	W 36	W 26	W 32	558
29	.39	.51	.62	.51	-14	- 9	- 1	- 8	- 1	-17	100	100	68	NW 20	NW 58	NW 66	631
30	.69	.82	.84	.78	8	13	13	11	13	- 1	55	53	81	NW 48	NE 25	NE 32	1356
Means	.68	.67	.70	.68	9.6	13.2	10.7	11.2	15.9	4.7	72	77	74	25	23	24	16443

REMARKS.

Nov. 1. Snow, E. D. N.

2. " B. 9.30 A.M.; E. D. N.

3. " B. 9.00 A.M.; E. 8.00 P.M.

Nov. 6. Snow, B. 7.30 P.M.; E. 8.30 P.M.

12. " B. 12 M.; E. D. N.

20. " B. 8.00 A.M.; E. 6.00 P.M.

NOVEMBER, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.01	.02	.01	.04	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
2	.01	.01	.01	.03	cs 7	Hidden	Hidden	0	N 10	W N 10	F	HS	LS
3	.02	.05	.01	.08	0	Hidden	0	s 3	N 10	NW 0	F	LS	Cr
4	.	.	.	.	0	KS 2	CS 3	0	0	0	Cr	Cr	F
5	.	.	.	.	0	K 3	W 0	s 5	0	0	F	F	Cr
6	.	.	T	T	0	CS 7	NW 0	0	0	s 3	Cr	F	F
7	.	.	.	.	0	CS 7	N 0	0	0	0	Cr	F	Cr
8	.	.	.	.	CS 2	C 5	NE 0	0	0	0	Cr	F	Cr
9	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
10	.	.	.	.	CK 3	NW CS 7	W CS 3	0	0	0	F	F	F
11	.	.	.	.	CS 3	C 3	SW 0	0	KS 7	SW s 3	F	Cy	F
12	.	.08	.18	.26	c 3	SW Hidden	Hidden	s 7	N 10	N 10	Cy	LS	HS
13	.06	.	.	.06	Hidden	c 3	0	N 10	NE 0	0	LS	F	Cr
14	.	.	.	.	K 5	NE 0	0	0	0	0	F	Cr	Cr
15	.	.	.	.	CS 2	CS 2	0	0	0	0	Cr	Cr	Cr
16	.	.	.	.	CS 2	0	0	0	s 5	s 3	Cr	F	F
17	.	.	.	.	Hidden	K 3	N 0	Fog	0	0	Fy	F	Cr
18	.	.	.	.	0	c 5	0	0	0	s 3	Cr	F	F
19	.	.	.	.	CS 10	c 7	W 0	0	0	s 5	Cy	F	F
20	.	.23	.02	.25	Hidden	Hidden	0	Fog	N 10	0	Fy	LS	Cr
21	.	.01	.01	.02	s 10	Hidden	Hidden	0	N 10	N 10	Cy	LS	LS
22	.06	.02	.	.08	Hidden	0	0	N 10	N K 5	W 0	LS	F	Cr
23	.	.	.03	.03	0	CS 5	CS 5	0	0	0	Cr	F	F
24	.	.	.	.	CS 7	c 5	NW 0	0	K 2	NW 0	F	F	Cr
25	.	.	.	.	Hidden	CS 7	NW CS 5	W KS 10	K 3	s 5	Cy	Cy	Cy
26	.	.	.02	.02	0	Hidden	Hidden	0	s 10	N 10	Cr	Cy	LS
27	.03	.06	.03	.12	Hidden	Hidden	0	N 10	N 10	N 5	LS	HS	LS
28	.01	.	.03	.04	0	Lt. Fog	Hidden	Lt. Fog	KS 7	N 10	Cr	F	LS
29	.03	T	.	.03	Hidden	0	CS 3	N 10	0	0	HS	Cr	F
30	.	.	.	.	0	c 3	N 0	0	0	s 5	Cr	F	F
Total	.23	.48	.35	1.06									

REMARKS.

Nov. 21. Snow, B. 9.30 A.M.; E. 1.30 P.M. of 22d.
23. " B. 5.30 P.M.; E. 7.30 P.M.

Nov. 26. Snow, B. 7.15 P.M.; E. 10.00 P.M. of 27th.
28. " B. 2.50 P.M.; E. 6.30 A.M. of 29th.

DECEMBER, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.84	.83	.84	.84	15	17	14	12	18	10	65	35	46	N 26	NE 20		N 26	717
2	.83	.83	.81	.82	13	15	12	13	19	10	63	47	61	N 6	NW 11	NE 17	380
3	.79	.78	.77	.78	11	12	3	9	13	3	100	61	86	NW 17	N 20	NW 16	394
4	.86	.90	.91	.89	7	15	17	13	20	-1	77	38	67	NE 20	0	N 6	446
5	.88	.88	.87	.88	19	24	20	21	24	13	77	61	70	N 8	SW 10	W 4	146
6	.78	.75	.72	.75	16	17	14	16	20	14	65	57	63	NW 14	NE 20	NW 30	270
7	.62	.58	.60	.60	10	4	0	5	14	0	79	60	70	NW 50	NW 28	NE 34	873
8	.54	.57	.58	.56	3	10	6	6	10	-1	32	58	75	NW 64	NW 38	NW 38	1088
9	.50	.61	.65	.59	4	12	15	10	16	4	74	61	48	N 54	W 42	NW 41	1147
10	.71	.74	.77	.74	14	16	22	17	22	11	72	49	79	NE 9	N 39	NW 33	752
11	.84	.88	.88	.87	21	25	22	23	27	21	15	0	44	NE 18	NW 14	NW 16	672
12	.70	.65	.66	.67	17	22	15	18	22	15	3	33	28	W 48	NW 33	W 24	734
13	.63	.66	.64	.64	6	10	5	7	15	5	52	0	50	W 32	N 13	NW 30	698
14	.66	.69	.71	.69	2	7	9	6	9	1	72	31	57	NW 23	NW 14	N 27	570
15	.75	.80	.82	.79	10	15	10	12	17	9	15	30	58	NW 27	NE 14	NW 4	583
16	.74	.62	.55	.64	11	19	13	14	20	10	60	52	61	W 31	W 28	NW 48	562
17	.56	.59	.70	.62	4	8	7	6	13	3	61	67	54	W 52	W 36	NW 31	1044
18	.77	.76	.76	.76	9	15	17	14	17	5	46	30	13	N 24	NW 28	N 20	778
19	.72	.61	.59	.64	9	14	8	10	17	6	57	15	43	W 26	W 25	W 26	533
20	.62	.56	.47	.55	2	7	2	4	8	1	70	88	100	NW 36	W 34	SW 40	629
21	.39	.38	.37	.38	-1	1	-5	-2	3	-5	68	56	100	W 48	NW 16	W 20	954
22	.34	.26	.28	.29	-1	-2	-4	-2	0	-8	22	84	100	NW 17	W 10	SW 2	452
23	.21	.17	.18	.19	-11	-7	-20	-13	-2	-20	100	80	64	SW 15	W 15	W 13	258
24	.16	.19	.25	.20	-14	-10	-15	-13	-10	-21	73	100	100	NW 32	W 37	NW 24	582
25	.22	.24	.26	.24	-16	-10	-12	-13	-9	-18	100	100	100	W 38	NW 28	NW 34	800
26	.16	.17	.20	.18	-9	-4	-7	-7	-4	-14	100	100	100	W 40	W 21	W 10	658
27	.15	.14	.18	.16	-12	-7	-11	-10	-5	-14	100	80	76	W 24	W 17	NW 7	356
28	.17	.22	.28	.22	-21	-18	-18	-19	-11	-21	100	100	100	N 32	N 30	NW 30	407
29	.33	.41	.42	.39	-6	2	0	-1	2	-18	81	100	100	NW 80	W 45	NW 36	1109
30	.34	.33	.42	.36	-2	2	-8	-3	7	-8	100	100	100	W 24	0	NE 25	759
31	.47	.55	.64	.55	-11	-3	1	-4	1	-11	100	100	56	N 12	NE 36	N 37	290
Means	.56	.56	.57	.56	3.2	7.4	4.3	5.0	10.1	-0.6	68	60	70	31	23	24	19641

REMARKS.

Dec. 21. Snow, B. 11.45 A.M.; E. 8.00 P.M.
 22. " B. 12.05 P.M.; E. 12.30 P.M. of 23d.
 24. " B. 1.30 P.M.; E. 7.30 P.M.

Dec. 25. Snow, B. 11.00 A.M.; E. 6.30 A.M. of 27th.
 27. " B. 12.30 P.M.; E. 7.00 P.M.
 28. " B. 11.00 A.M.; E. D. N.

DECEMBER, 1876.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	CS 3	0	0	0	0	0	F	Cr	Cr
2	CS 2	CS 5	0	0	0	s 3	Cr	F	F
3	C 5 NW	CK 5 NW	0	s 5	s 2 NW	s 5	Cy	F	F
4	0	0	0	0	0	0	Cr	Cr	Cr
5	0	0	0	0	s 3	0	Cr	F	Cr
6	0	C 3 N	0	0	s 4	s 3	Cr	F	F
7	C 3	K 5 NW	0	0	0	0	F	F	Cr
8	CK 7 NW	CK 5 NW	0	0	s 2	s 2 NW	F	F	Cr
9	K 3 NW	CK 5 NW	0	0	s 2 NW	s 2 NW	F	F	Cr
10	0	0	0	0	0	s 7 NW	Cr	Cr	F
11	0	0	0	0	0	0	Cr	Cr	Cr
12	0	CS 7 SW	0	0	0	s 7 NW	Cr	F	Cr
13	s 2	0	0	0	0	0	Cr	Cr	Cr
14	CS 2	0	0	0	0	0	Cr	Cr	Cr
15	0	0	0	0	0	0	Cr	Cr	Cr
16	0	0	0	0	0	0	Cr	Cr	Cr
17	0	0	0	0	s 3	0	Cr	F	Cr
18	0	c 5 NW	0	s 2	0	0	Cr	F	Cr
19	0	CK 3 W	0	0	s 7	s 7	Cr	Cy	F
20	0	c 3 W	0	s 2	K 4 W	s 5	Cr	F	F
21	.	T	.01	.01	0	Hidden	Haze	ks 5	KS10 W	s 5	F	Cy	F
22	.	.02	.04	.06	0	Hidden	Hidden	s 3	N 10	N 10	F	LS	LS
23	.09	.02	.	.11	Hidden	0	0	N 10	s 2	0	LS	Cr	Cr
24	.	T	.06	.06	0	Hidden	0	0	N 10 W	0	Cr	LS	Cr
25	.	.06	.01	.07	0	K 3 NW	Hidden	0	Lt. Fog	N 10	Cr	LS	LS
26	.03	.03	.03	.09	s 3	Hidden	Hidden	Lt. Fog	N 10	N 10	LS	LS	LS
27	.03	T	.02	.05	s 5 NW	Hidden	c 5 NW	Fog	N 10 NW	KS 2	LS	LS	F
28	.	.04	.04	.08	0	Hidden	Hidden	0	N 10	N 10	Cr	LS	LS
29	T	.01	.03	.04	CS 2	Hidden	c 3 NW	0	N 10	s 2 NW	Cr	LS	F
30	.	.07	.10	.17	c 5 NW	Hidden	Hidden	0	N 10	N 10	F	LS	HS
31	.05	T	.	.05	0	0	0	0	0	0	Cr	Cr	Cr
Total	.20	.25	.34	.79									

REMARKS.

Dec. 29. Snow, B. 11.00 A.M.; E. 8.45 P.M.
30. " B. 12.15 P.M.; E. D. N.

31. Snow, B. 9.00 A.M.; E. 9.30 A.M.

JANUARY, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Movement.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.64	.61	.63	.63	8	5	1	5	13	1	21	63	56	NE 35	NE 46	W 30	855		
2	.63	.67	.73	.64	- 4	3	- 5	- 2	4	- 5	83	100	44	N 12	N 4	SW 2	498		
3	.80	.80	.76	.79	8	9	9	9	12	- 7	55	36	57	N 20	N 38	N 30	312		
4	.65	.61	.64	.63	7	8	6	7	12	4	88	100	100	N 42	N 32	N 38	906		
5	.61	.63	.66	.63	4	12	12	9	15	3	87	70	89	NE 20	N 36	N 24	703		
6	.65	.60	.49	.58	8	12	7	9	14	7	77	100	88	N 16	W 19	NW 43	516		
7	.43	.35	.37	.38	2	- 8	- 10	- 5	7	- 10	100	100	100	NW 14	NW 36	NW 51	720		
8	.37	.38	.43	.39	- 4	3	6	2	6	- 14	75	73	75	NW 46	NW 64	NW 30	1132		
9	.38	.49	.57	.48	9	14	13	12	14	3	100	100	100	NW 30	NW 40	W 24	997		
10	.52	.40	.40	.44	11	17	13	14	17	11	90	92	100	W 26	W 24	NW 10	709		
11	.37	.28	.34	.33	6	9	7	7	14	5	75	100	100	NW 13	W 20	SW 15	385		
12	.38	.46	.56	.47	2	9	8	6	10	1	100	100	100	NW 8	SW 20	SW 8	374		
13	.59	.59	.56	.58	7	12	8	9	14	0	100	89	89	SW 8	W 26	W 26	358		
14	.47	.26	.22	.32	5	10	2	6	13	2	75	100	100	SW 40	SW 7	NE 30	787		
15	.25	.22	.24	.24	- 3	0	- 5	- 3	2	- 10	83	85	100	NW 7	W 34	SW 32	374		
16	.27	.33	.36	.32	- 3	5	2	1	6	- 15	66	50	58	SW 30	W 38	W 58	793		
17	.38	.50	.56	.48	- 1	5	1	2	6	- 2	68	62	71	W 54	SW 35	SW 40	1150		
18	.64	.70	.69	.68	0	9	4	4	10	- 2	70	36	61	SW 46	SW 38	SW 39	1123		
19	.56	.51	.50	.52	4	8	2	5	10	- 3	61	67	86	SW 55	SW 34	W 24	1129		
20	.44	.38	.41	.41	0	1	- 2	0	4	- 2	100	85	84	SW 32	W 12	W 24	665		
21	.35	.32	.34	.34	- 7	1	- 2	- 3	2	- 8	78	100	100	SW 41	SW 6	SW 16	641		
22	.35	.40	.52	.42	- 8	- 8	- 12	- 9	- 2	- 12	100	100	75	SW 6	W 36	W 19	401		
23	.66	.80	.85	.77	- 2	5	6	3	6	- 12	52	62	30	N 22	NE 6	NW 16	571		
24	.84	.75	.74	.78	7	12	6	8	12	5	54	70	75	SW 26	W 44	W 30	520		
25	.76	.78	.80	.78	7	10	7	8	12	4	54	12	31	NE 4	NW 7	NW 6	488		
26	.78	.80	.84	.81	6	10	6	7	11	4	52	47	28	N 21	N 6	0	341		
27	.85	.85	.84	.85	5	14	9	9	14	2	50	55	36	0	SW 6	SW 16	64		
28	.81	.77	.76	.78	8	15	11	11	16	7	55	56	60	W 20	W 20	W 30	401		
29	.74	.67	.65	.69	12	14	7	11	18	7	42	100	77	W 24	SW 28	SW 26	573		
30	.65	.70	.77	.71	3	8	14	8	14	2	86	45	46	W 22	N 22	W 26	627		
31	.79	.80	.80	.80	12	20	12	15	20	11	70	45	70	SW 20	SW 4	SW 14	551		
Means	.57	.56	.58	.57	3.5	7.9	4.6	5.3	10.5	- 0.7	73	74	74	25	25	25	19663		

REMARKS.

Jan. 2. Snow, B. 9.55 A.M.; E. 7.00 P.M.
 4. " B. 5.25 P.M.; E. D. N.
 5. " B. 7.40 P.M.; E. 8.50 P.M.
 6. " B. 1.30 P.M.; E. 5.00 P.M.

Jan. 7. Snow, B. D. N.; E. D. N.
 10. " B. 6.30 P.M.; E. D. N.
 11. " B. 8.00 P.M.; E. D. N.
 14. " B. 3.15 P.M.; E. D. N.

JANUARY, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M.	P.M.	P.M.	Total.	Upper.			Lower.			A.M.	P.M.	P.M.
	5.42	2.42	9.07		A.M.	P.M.	P.M.	A.M.	P.M.	P.M.			
				5.42	2.42	9.07	5.42	2.42	9.07	5.42	2.42	9.07	
1	.	.	.	.	C 2	0	C 5	0	S 7	S 2 W	Cr	F	F
2	*.03	.11	.06	.20	CS 5 N	Hidden	0	s 5	N 10	0	Cy	LS	Cr
3	.	.	.	.	0	CK 3 N	Hidden	0	s 4	s 10	Cr	F	Cy
4	.	.	.06	.06	Hidden	Hidden	Hidden	s 10	Fog	N 10	Cy	F	HS
5	.02	.	.04	.06	CS 3 NE	CS 5 N	0	s 4	s 5 N	s 5	F	Cy	F
6	.	.02	.01	.03	CS 5 N	Hidden	0	s 2	N 10	s 5	F	LS	F
7	.09	.12	.10	.31	Hidden	Hidden	Hidden	N 10	N 10 N	N 10	HS	LS	LS
8	.05	.	.	.05	0	Hidden	0	s 5 N	s 10	s 5	F	Cy	F
9	*.01	.	.	.01	Hidden	Hidden	0	Fog	s 10	s 7	Fy	Cy	F
10	.	.	.13	.13	Hidden	Hidden	Hidden	s 10 NW	s 10	N 10	Cy	Cy	LS
11	.04	.	.03	.07	Hidden	Hidden	Hidden	s 10	Fog	N 10	Cy	Fy	LS
12	.04	.	.	.04	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
13	.	.	.	.	Hidden	K 3 W	0	Fog	s 4	s 5	Fy	F	F
14	.	.	.04	.04	0	CK 3 SW	Hidden	s 3	KS 7 SW	N 10	F	Cy	HS
15	.04	.	.05	.09	CK 5	CS 3 W	Hidden	KS 5	s 4	N 10 SW	Cy	F	HS
16	.14	.	.	.14	CS 3	CK 5 W	0	s 2	s 2	0	F	F	Cr
17	.	.	.	.	0	0	0	s 5	s 3	Haze	F	F	Cr
18	.	.	.	.	CS 3 SW	C 7	0	s 2	0	0	F	F	Cr
19	.	.	.	.	0	C 3 SW	Hidden	s 3	s 4	Fog	F	F	Fy
20	.22	T	.	.22	Hidden	0	0	N 10	K 5 W	0	LS	F	Cr
21	.	.	.	.	0	Hidden	Hidden	0	Fog	Fog	Cr	Fy	Fy
22	.04	T	.	.04	Hidden	Hidden	0	N 10	Fog	s 2	LS	Fy	Cr
23	.	.	.	.	0	0	0	s 2	0	0	Cr	Cr	Cr
24	.	.	.	.	CS 3	C 5 SW	C 7 W	s 4	CS 2	0	F	F	F
25	.	.	.	.	0	0	0	0	s 2	0	Cr	Cr	Cr
26	.	.	.	.	0	CK 3 W	0	0	CS 4	s 2	Cr	F	Cr
27	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
28	.	.	.	.	0	CS 5 NW	0	0	s 5	s 2	Cr	Cy	Cr
29	.	.03	.01	.04	CS 10	Hidden	0	0	N 10	L. Fog	Cr	LS	Cr
30	.	.	.	.	0	C 3 N	CK 5 W	0	0	0	Cr	Cr	F
31	.	.	.	.	0	CS 10	Hidden	s 5	0	s 10	F	Cy	Cy
Total	.72	.28	.53	1.53									

REMARKS.

Jan. 15. Snow, B. 5.00 P.M.; E. D. N.
 20. " B. D. N.; E. 7.50 A.M.
 22. " B. D. N.; E. 8.40 A.M.

Jan. 29. Snow, { B. 10.30 A.M.; E. 11.10 A.M.
 { B. 1.40 P.M.; E. 2.50 P.M.

* Frost.

FEBRUARY, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.78	.81	.83	.81	9	16	13	13	18	7	57	0	61	SW 12	NW 8		SW 20	233
2	.75	.78	.78	.77	8	13	6	9	14	5	66	61	64	NW 34	0	W 18	411
3	.79	.78	.78	.78	14	16	8	13	18	4	61	28	44	NE 30	N 12	SW 1	431
4	.75	.74	.75	.75	0	6	0	2	9	0	100	100	85	N 8	S 6	SE 10	178
5	.71	.65	.63	.66	3	10	3	5	10	- 2	100	79	59	SW 13	SW 8	0	286
6	.57	.54	.54	.55	2	8	3	4	8	- 5	100	100	100	NE 12	N 12	NE 12	214
7	.51	.55	.64	.57	- 2	0	- 3	- 2	3	- 3	84	100	100	NE 12	NE 30	NE 13	311
8	.65	.64	.61	.63	- 6	0	- 1	- 2	1	- 8	60	39	37	N 8	N 12	NE 16	388
9	.61	.64	.66	.64	4	12	8	8	13	- 2	8	23	53	NE 24	E 4	SE 12	456
10	.63	.57	.60	.60	8	14	10	11	15	5	33	21	58	S 16	W 17	SW 4	357
11	.61	.64	.69	.65	3	10	9	7	12	3	46	69	67	SW 28	S 30	SW 6	415
12	.70	.70	.72	.71	9	12	6	9	14	6	100	100	40	N 11	N 16	NE 23	291
13	.72	.78	.76	.75	6	12	7	8	12	5	64	42	54	N 11	W 12	W 26	389
14	.73	.67	.83	.74	8	14	6	9	14	6	0	28	64	W 22	SW 13	W 24	364
15	.63	.66	.70	.66	4	10	0	5	14	0	100	89	85	W 8	SW 19	SW 7	346
16	.76	.81	.86	.81	4	13	10	9	14	- 2	87	36	17	W 8	NW 4	0	235
17	.86	.84	.82	.84	8	18	13	13	19	7	33	45	12	W 6	SW 12	SW 3	100
18	.79	.77	.79	.78	6	16	6	9	17	5	37	49	52	SW 2	SW 4	NE 14	105
19	.80	.86	.89	.85	10	15	10	12	16	5	48	26	17	NE 14	SW 4	N 12	288
20	.87	.86	.78	.84	8	16	11	12	17	4	33	15	40	SW 14	W 17	W 36	180
21	.65	.59	.57	.60	10	6	0	5	15	0	100	100	85	W 42	NE 21	NW 27	761
22	.51	.55	.55	.54	- 1	9	8	5	10	- 3	37	36	89	NE 36	N 15	E 20	731
23	.57	.57	.57	.57	7	18	12	12	22	7	100	92	61	NW 10	SW 10	N 13	371
24	.55	.56	.59	.57	8	15	11	11	19	7	65	91	100	NW 14	NE 7	E 8	268
25	.58	.56	.59	.58	8	15	10	11	16	6	100	100	100	E 12	S 23	S 13	216
26	.59	.61	.64	.61	9	13	6	9	15	6	100	100	100	S 28	S 28	SE 11	404
27	.61	.61	.61	.61	5	12	3	7	14	1	100	100	73	SE 11	SW 13	SE 4	410
28	.56	.51	.46	.51	2	12	7	7	18	1	86	79	88	SW 9	W 8	SW 13	237
Means	.67	.67	.69	.68	5.5	11.8	6.5	7.9	13.8	2.3	68	62	64	16	13	13	9376

REMARKS.

Feb. 4. Snow, B. D. N.; E. 2.20 P.M.

6. " { B. D. N.; E. 2.53 P.M.
B. 8.00 P.M.; E. D. N.

11. " B. 1.45 P.M.; E. 5.30 P.M.

Feb. 12. Snow, B. D. N.; E. 5.00 P.M.

15. " B. 8.30 A.M.; E. 7.00 P.M.

21. " B. 9.45 A.M.; E. 4.30 P.M.

23. " B. 12 M.; E. 1.00 P.M.

FEBRUARY, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	0	CS 5 W	s 3	s 2	s 2	F	Cr	F
2	.	.	.	.	0	Hidden	0	s 7	KS 10 W	0	F	Cy	Cr
3	.	.	.	.	0	CK 3 N	0	s 2	s 7	0	Cr	Cy	Cr
4	.14	.07	.	.21	Hidden	Hidden	0	N 10	Fog	0	LS	Fy	Cr
5	.04	.	.	.04	Hidden	Hidden	0	Fog	s 10 W	s 2	Fy	Cy	Cr
6	.09	.18	.03	.30	Hidden	Hidden	Hidden	N 10 NE	N 10 NE	N 10	HS	LS	LS
7	.04	.	.	.04	cs 5	Hidden	Hidden	0	Fog	Fog	F	Fy	Fy
8	.	.	.	.	0	0	0	s 5	0	0	F	Cr	Cr
9	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
10	.	.	.	.	0	c 7 W	CS 3	0	0	s 7	Cr	F	Cy
11	.	T	.02	.02	0	cs 10 SW	0	s 3	L. Fog	s 5	F	LS	F
12	*.05	.04	.02	.11	Hidden	Hidden	0	N 10	N 10	0	HS	LS	Cr
13	.	.	.	.	0	K 2	0		0	0	Cr	Cr	Cr
14	.	.	.	.	0	cs 3	0	0	Haze	s 2	Cr	F	Cr
15	.	.05	.07	.12	Haze	Hidden	Haze	s 3	N 10	Fog	F	HS	Fy
16	*.02	.	.	.02	0	0	0	0	0	L. Haze	Cr	Cr	Cr
17	.	.	.	.	0	0	0	0	Haze	0	Cr	Cr	Cr
18	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
19	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
20	.	.	.	.	Haze	0	c 5	0	0	s 5 W	Cr	Cr	Cy
21	.	.03	.02	.05	Hidden	Hidden	s 5 W	Drift'g S.	N 10	0	F	LS	F
22	.	.	.	.	0	Hidden	Hidden	0	K 7 N	Fog	Cr	F	Cy
23	*.11	T	.	.11	Hidden	c 7 NW	c 7	L. Fog	0	0	F	F	F
24	.	.03	.02	.05	0	Hidden	Hidden	0	N 10	N 10	Cr	HS	LS
25	.03	.05	.01	.09	0	Hidden	Hidden	s 10	N 10	Fog	Cy	LS	Fy
26	*.20	.	.09	.29	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
27	*.01	.	.	.01	Hidden	Hidden	c 2	Fog	Fog	s 3	Fy	Fy	F
28	.	.12	.09	.21	cs 5 SW	Hidden	Hidden	0	N 10 W	Fog	F	LS	Fy
Total	.73	.57	.37	1.67									

REMARKS.

Feb. 23. Lunar Halo.

24. Snow, { B. 12.15 P.M.; E. 4.15 P.M.
 { B. 8.40 P.M.; E. D. N.

Feb. 25. Snow, B. 8.00 A.M.; E. 3.45 P.M.

26. " B. 4.15 P.M.; E. 8.35 P.M.

28. " B. 9.40 A.M.; E. 8.20 P.M.

* Frost.

MARCH, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind.				24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.36	.35	.36	.36	0	-1	-3	-1	7	-3	100	100	100	N 19	N 9	W 34	353
2	.29	.26	.27	.27	10	13	12	12	14	-5	100	100	100	W 55	W 30	SW 16	946
3	.35	.39	.48	.41	6	6	6	6	12	6	100	100	100	NE 7	W 41	W 23	465
4	.50	.52	.59	.54	6	6	-2	3	10	-2	100	100	100	W 8	N 13	W 33	494
5	.66	.66	.65	.66	0	8	11	6	11	-2	85	55	70	W 33	W 45	W 57	742
6	.59	.58	.51	.56	8	16	10	11	17	7	45	52	100	W 59	W 19	S 22	1325
7	.35	.33	.36	.35	2	3	-2	1	10	-2	100	73	84	NW 21	W 9	W 27	541
8	.27	.31	.38	.32	-8	1	0	-2	1	-10	100	100	100	W 45	W 36	NW 21	620
9	.43	.49	.55	.49	4	12	10	9	12	0	100	100	100	NW 36	W 46	W 30	892
10	.56	.58	.58	.57	10	16	11	12	16	9	59	28	89	W 19	NW 43	SW 50	783
11	.54	.56	.64	.58	9	15	8	11	16	8	78	85	66	SW 56	W 42	W 39	1286
12	.69	.72	.71	.71	8	16	10	11	16	6	66	67	70	W 39	W 31	W 49	888
13	.76	.79	.83	.79	14	18	16	16	23	8	28	61	75	NW 32	NW 28	NW 34	896
14	.86	.91	.91	.89	19	26	23	23	26	15	53	28	13	N 22	NW 16	NW 13	724
15	.87	.72	.64	.74	18	25	19	21	27	16	37	40	52	SW 12	W 32	W 41	434
16	.55	.67	.71	.64	5	12	6	8	19	5	100	61	75	NW 26	NW 16	NW 29	862
17	.77	.83	.85	.82	11	19	14	15	20	5	40	39	70	NW 34	NW 12	W 21	705
18	.78	.75	.80	.78	16	22	17	18	23	11	42	27	45	N 34	NW 31	NW 8	569
19	.75	.64	.59	.66	14	22	12	16	24	12	45	27	70	W 27	W 42	W 39	618
20	.57	.68	.70	.65	3	15	10	9	16	2	86	47	68	W 43	NW 26	W 29	891
21	.69	.75	.68	.71	14	25	16	18	26	8	52	24	67	NW 34	W 17	W 32	614
22	.60	.58	.56	.58	15	22	14	17	22	14	48	37	100	SW 40	SW 25	W 20	758
23	.50	.52	.59	.54	12	10	2	8	14	2	100	100	100	W 16	NW 14	NW 25	334
24	.60	.69	.73	.67	-3	14	11	7	15	-4	66	44	89	NE 26	W 17	W 32	592
25	.79	.83	.85	.82	18	28	17	21	28	10	10	32	52	N 23	W 13	SW 13	573
26	.79	.83	.82	.81	17	28	21	22	31	16	67	48	72	W 27	N 8	SW 16	446
27	.79	.76	.75	.77	20	26	20	22	29	18	70	72	100	NW 5	SW 12	N 15	254
28	.73	.67	.66	.69	15	28	20	21	30	15	100	83	100	0	SW 7	SW 13	223
29	.64	.64	.63	.64	15	22	17	18	22	15	100	78	92	W 30	SW 21	SW 12	384
30	.52	.40	.29	.40	12	19	4	12	24	4	100	60	87	SW 34	SW 29	SW 31	579
31	.18	.31	.44	.31	-3	4	4	2	7	-4	100	87	100	W 24	NW 18	NW 16	655
Means	.59	.60	.62	.60	9.6	16.0	10.8	12.1	18.3	5.8	73	63	81	29	24	27	20646

REMARKS.

Mar. 1. Snow, B. D. N.; E. 3.05 P.M.	|	22. Snow, { B. 6.30 P.M.; E. 6.40 P.M.
2. " B 8.15 P.M.; E. D. N.		{ B. 9.15 P.M.; E. D. N. of 23d.
3. " B. 8.10 A.M.; E. 3.20 P.M. of 4th.		26. " { B. 1.20 P.M.; E. 1.30 P.M.
7. " B. D. N.; E. 6.20 A.M.		{ B. 3.40 P.M.; E. 7.00 P.M.
16. " B. 10.45 A.M.; E. 11.30 A.M.		27. " B. 8.00 A.M.; E. 10.00 A.M.

MARCH, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.02	.08	.01	.11	Hidden	Hidden	Hidden	N 10	N 10	Fog	LS	HS	Fy
2	.	.	.04	.04	Hidden	Hidden	Hidden	Fog	Fog	N 10	Fy	Fy	LS
3	.07	.13	.21	.41	Hidden	Hidden	Hidden	Fog	N 10	N 10	Fy	LS	HS
4	.17	.13	.01	.31	Hidden	Hidden	Hidden	N 10	N 10	Fog	LS	LS	Fy
5	.	.	.	.	Hidden	C 5 NW	0	Fog	s 2	0	Fy	F	Cr
6	.	.	.	.	0	s 7 w	Hidden	s 5	CS 3	s 10 w	F	Cy	Cy
7	.06	T	.	.06	Hidden	s 5	0	N 10	KS 5	s 3	LS	Cy	F
8	.	.	.	.	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
9	.	.	.	.	Hidden	CS 5 w	Hidden	Fog	KS 5 w	Fog	Fy	Cy	Fy
10	*.09	.	.	.09	0	C 5 NW	0	s 7	KS 5 w	s 3	F	Cy	F
11	.	.	.	.	CS 5 SW	CK 5 w	0	0	s 2	s 3	F	F	F
12	.	.	.	.	CS 3	CK 3 w	0	0	KS 4 w	s 3	F	F	F
13	.	.	.	.	CS 5 NW	CS 7 NW	Haze	0	0	s 5	F	F	F
14	.	.	.	.	CS 5 NW	CS 10 NW	0	KS 2	0	s 3	F	Cy	F
15	.	.	.	.	s 2	K 3	0	0	0	s 2	Cr	F	Cr
16	*T	T	.	T	s 2	CK 5 NW	0	Fog	KS 2	0	F	F	Cr
17	.	.	.	.	CS 5 NW	CK 3 w	0	0	K 4 w	s 2	F	F	Cr
18	.	.	.	.	0	CK 2 w	CS 5	0	s 5 w	0	Cr	F	F
19	.	.	.	.	CS 7 w	CK 2 w	0	0	KS 7 w	s 2	F	Cy	Cr
20	.	.	.	.	CS 3 w	C 3 NW	CK 2	s 3	K 3 NW	0	F	F	Cr
21	.	.	.	.	CS 5 w	CK 7 w	c 3	s 2	0	s 7	F	F	Cy
22	.	.	T	T	0	0	Hidden	KS 10 SW	KS 10 SW	Fog	Cy	Cy	Fy
23	.11	.05	.02	.18	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
24	T	.	.	T	0	CS 3	0	0	K 3 w	s 5	Cr	F	F
25	.	.	.	.	CS 3	C 7 N	CK 2 w	0	0	s 5	F	F	F
26	.	T	.05	.05	0	0	CK 5 w	0	KS 7 NW	0	Cr	F	F
27	.	.05	.09	.14	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	LS	HS
28	.13	T	.	.13	0	Hidden	Hidden	KS 7	Fog	Fog	F	Fy	Fy
29	*.05	.	.	.05	Hidden	Hidden	Hidden	Fog	KS 10 w	s 10	Fy	Cy	Cy
30	*T	.	.04	.04	s 3	0	0	0	K 7 SW	s 3	F	F	F
31	.	.03	.03	.06	0	Hidden	Hidden	KS 3	N 10	N 10	F	LS	LS
Total	.70	.47	.50	1.67									

REMARKS.

Mar. 27. Snow, { B. 12.15 P.M.; E. 3.00 P.M.
B. 4.00 P.M.; E. 5.20 P.M.
B. 8.00 P.M.; E. D. N.

Mar. 28. Snow, B. 2.05 P.M.; E. 2.30 P.M.
30. " B. 3.25 P.M.; E. 7.30 P.M.
31. " B. 9.00 A.M.; continued.

* Frost.

APRIL, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00 +				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.54	.64	.65	.61	3	12	7	7	13	3	100	100	100	w 21	sw 27		sw 12	461
2	.62	.58	.54	.58	5	16	8	10	17	5	100	83	100	sw 38	sw 12	w 12	582
3	.53	.56	.60	.56	4	12	6	7	14	3	100	61	76	nw 24	nw 18	nw 28	487
4	.63	.69	.70	.67	5	20	12	12	21	3	62	55	70	nw 3	sw 15	w 24	476
5	.64	.69	.70	.68	8	20	14	14	26	7	77	70	72	nw 24	se 10	sw 14	495
6	.65	.56	.48	.56	11	19	11	14	22	10	79	70	100	sw 21	e 2	nw 22	365
7	.46	.53	.60	.53	11	15	8	11	17	8	100	100	77	ne 14	n 16	n 15	409
8	.55	.51	.51	.52	8	13	11	11	16	7	100	100	100	sw 18	sw 6	sw 18	398
9	.42	.52	.58	.51	10	12	5	9	19	5	100	100	100	w 16	n 13	0	370
10	.57	.53	.53	.54	5	15	7	9	16	4	87	90	100	sw 12	s 14	se 16	245
11	.50	.52	.58	.53	4	7	3	5	12	3	100	100	100	ne 16	ne 18	n 12	300
12	.59	.64	.68	.64	5	16	9	10	18	1	100	100	100	ne 18	nw 8	nw 14	312
13	.66	.62	.61	.63	7	19	15	14	21	7	88	84	100	nw 14	sw 23	sw 25	295
14	.61	.66	.70	.66	10	19	15	15	19	9	100	77	100	nw 10	nw 13	sw 18	433
15	.65	.66	.64	.64	11	22	16	16	22	11	90	72	75	sw 20	w 24	sw 29	422
16	.55	.44	.40	.46	14	20	10	15	23	10	61	78	89	w 40	w 21	w 51	704
17	.39	.42	.45	.42	7	14	7	9	16	1	88	100	100	nw 8	sw 4	n 25	480
18	.43	.50	.60	.51	4	9	8	7	10	4	100	100	100	n 18	n 13	ne 24	485
19	.64	.67	.62	.64	6	18	10	11	18	2	64	60	68	w 16	s 12	sw 34	354
20	.52	.47	.40	.46	10	21	16	16	22	9	79	70	75	s 42	sw 41	sw 52	784
21	.32	.48	.47	.42	5	17	13	12	17	4	100	83	62	sw 78	sw 30	sw 36	1202
22	.36	.51	.56	.48	2	9	1	4	13	1	100	78	56	s 70	sw 30	sw 36	960
23	.61	.64	.70	.65	- 1	12	10	7	12	- 4	85	90	100	sw 19	sw 17	s 10	562
24	.69	.66	.67	.67	9	16	13	13	17	8	100	100	100	se 16	sw 21	sw 12	250
25	.60	.57	.53	.57	14	21	13	16	22	11	100	100	100	sw 24	se 10	se 10	296
26	.45	.38	.44	.42	3	0	- 1	1	13	- 1	100	100	100	ne 24	ne 30	ne 42	302
27	.49	.52	.56	.52	- 3	1	- 2	- 1	2	- 3	100	100	83	n 16	n 18	se 7	639
28	.50	.50	.53	.51	0	11	1	4	11	- 2	100	100	100	w 16	nw 12	w 16	252
29	.54	.60	.62	.59	- 7	3	2	- 1	5	- 8	100	73	72	n 25	n 16	n 21	472
30	.63	.69	.68	.67	3	16	14	11	19	1	59	66	61	n 33	nw 10	w 36	550
Means	.54	.57	.58	.56	5.8	14.2	8.7	9.6	16.4	4.0	91	85	88	24	17	22	14341

REMARKS.

April 2.	{ Snow, Continued; E. D. N.	April 8.	Snow, B. D. N.; E. D. N.
	{ " B. 4.00 P.M.; E. D. N.	9.	" B. 9.00 A.M.; E. 8.00 P.M.
3.	Hail, { B. 2.50 P.M.; E. 2.55 P.M.	10.	" { B. D. N.; E. D. N.
	{ B. 3.20 P.M.; E. 3.35 P.M.		{ B. 6.00 A.M.; E. D. N. of 12th.
6.	{ Hail, B. 10.00 A.M. At intervals. E. 11.00 A.M.	13.	" B. 5.00 P.M.; E. D. N.
	{ Snow, B. 7.00 A.M. At interv. E. 5.00 P.M. of 7th.	14.	" B. 9.25 A.M.; E. 5.00 P.M.

APRIL, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.03	.01	.04	.08	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	HS	LS
2	.06	.	.03	.09	c 7 sw	Hidden	Hidden	L. Fog	KS 10 sw	N 10	F	Cy	LS
3	T	.	T	T	0	K 7 w	0	0	0	s 2	Cr	F	Cr
4	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	0	K 7	K 3 sw	0	KS 3	0	Cr	Cy	F
6	.	.16	.17	.33	cs 7 sw	Hidden	0	0	N 10	N 10 NW	F	LS	LS
7	.02	.08	.01	.11	Hidden	Hidden	0	N 10	N 10	s 3	LS	LS	F
8	.02	.16	.01	.19	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	HS	HS
9	*.15	.14	.02	.31	Hidden	Hidden	0	Fog	N 10	s 3	Fy	HS	F
10	.03	.01	.03	.07	0	Hidden	Hidden	s 10	N 10	N 10	Cy	LS	HS
11	.05	.04	.01	.10	Hidden	Hidden	Hidden	N 10	N 10	N 10	HS	LS	LS
12	.02	.06	.01	.09	Hidden	Hidden	0	N 10	N 10	L. Fog	LS	LS	LS
13	T	.	.04	.04	c 7 NW	Hidden	Hidden	0	K 10 sw	N 10	F	Cy	HS
14	.06	.01	T	.07	0	K 5 NW	Hidden	KS 7 NW	N 3 NW	N 10	F	LS	LS
15	.03	.	.	.03	c 2	Hidden	0	0	KS 10 w	s 5	Cr	Cy	F
16	.	T	.02	.02	0	0	Hidden	s 5	KS 7 w	Fog	F	F	Fy
17	.	.07	.23	.30	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	HS	HS
18	.13	.08	.14	.35	Hidden	Hidden	Hidden	Fog	N 10	N 10	Fy	LS	HS
19	.09	.	.	.09	CK 3 w	K 3 w	0	s 2	0	0	F	F	Cr
20	.	.	.	.	K 2	K 3 sw	CK 5 sw	0	0	Drift'g S.	Cr	F	F
21	.	.	.	.	0	K 3 sw	cs 2 sw	Drift'g S.	s 7 sw	s 3	F	Cy	F
22	.	.	.	.	0	K 5 sw	0	Drift'g S.	0	s 2	F	F	Cr
23	.	.	.13	.13	cs 7 sw	c 3 sw	Hidden	0	K 4 sw	N 10	F	F	LS
24	*.16	.	.	.16	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
25	*.15	.06	.05	.26	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	HS
26	.05	.08	.24	.37	Hidden	Hidden	Hidden	N 10	N 10	N 10	HS	HS	HS
27	.04	.03	.01	.08	Hidden	Hidden	cs 7	N 10	N 10	s 3	HS	LS	Cy
28	.02	.02	.03	.07	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
29	.03	.	.	.03	0	0	0	Drift'g S.	K 2	0	Cr	Cr	Cr
30	.	.	.	.	0	c 5 NW	0	0	K 2 NW	s 5	Cr	F	F
Total	1.14	1.01	1.22	3.37									

REMARKS.

April 14. Snow, B. 7.30 P.M.; E. D. N.
 16. " { B. 1.55 P.M.; E. 2.05 P.M.
 { B. 3.10 P.M.; E. 3.45 P.M.
 17. " B. 10.50 A.M.; E. D. N.
 18. " B. 12.30 P.M.; E. D. N.

23. Snow, B. 7.30 P.M.; E. D. N.
 25. " B. D. N.; E. 5.15 P.M. of 27th.
 28. " { B. D. N.; E. 9.00 A.M.
 { B. 11.30 A.M.; E. D. N.

* Frost and Snow.

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MAY, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.63	.65	.66	.65	13	21	16	17	22	13	100	78	83	w 52	w 28	sw 36	817
2	.65	.62	.60	.62	16	21	12	16	22	11	83	100	100	w 26	s 12	ne 22	613
3	.58	.57	.56	.56	7	9	5	7	12	5	100	100	87	n 10	n 12	n 34	264
4	.54	.52	.49	.52	7	16	14	12	19	3	55	83	83	n 34	nw 20	w 41	577
5	.44	.50	.55	.50	7	15	7	10	16	7	100	100	100	nw 12	n 3	n 6	650
6	.59	.64	.68	.64	4	13	11	9	16	1	87	61	60	ne 11	nw 12	w 22	204
7	.70	.72	.73	.72	11	23	16	17	25	8	79	66	100	w 15	sw 22	nw 32	526
8	.70	.73	.72	.72	18	23	18	20	24	12	75	60	75	sw 26	w 25	sw 37	725
9	.70	.71	.73	.71	16	23	19	19	27	14	67	60	77	w 20	w 18	nw 11	730
10	.71	.72	.71	.71	18	26	20	21	27	13	75	72	92	w 13	sw 16	s 27	358
11	.70	.71	.75	.72	19	23	17	20	29	15	100	100	100	sw 4	s 12	sw 2	299
12	.73	.71	.74	.73	15	18	18	17	24	11	83	92	100	sw 12	w 26	sw 20	249
13	.70	.64	.71	.68	17	17	15	16	24	15	100	100	92	w 4	sw 44	sw 24	330
14	.66	.70	.76	.71	13	21	16	17	22	10	100	50	67	sw 26	sw 43	w 18	784
15	.78	.82	.78	.79	13	29	19	20	34	10	79	67	100	w 20	s 15	sw 32	525
16	.64	.59	.63	.62	19	22	14	18	25	14	100	85	70	s 30	w 46	w 47	571
17	.61	.62	.57	.60	12	21	20	18	24	10	70	85	100	sw 54	sw 28	sw 24	1115
18	.41	.45	.50	.45	11	16	11	13	21	10	100	100	90	sw 34	w 44	w 46	614
19	.53	.56	.62	.57	10	17	14	14	21	10	80	100	100	w 36	sw 28	w 21	903
20	.64	.74	.76	.71	13	25	20	19	25	13	100	68	85	w 28	0	sw 24	496
21	.72	.78	.81	.77	19	28	21	23	30	16	85	67	64	sw 42	sw 36	sw 32	598
22	.81	.84	.85	.83	22	30	22	25	32	19	72	67	52	sw 24	s 23	sw 32	677
23	.87	.89	.89	.88	24	34	24	27	35	20	48	52	55	sw 20	sw 18	s 8	608
24	.89	.85	.86	.87	22	26	22	23	32	21	93	76	100	e 2	ne 2	nw 22	212
25	.85	.87	.90	.87	23	24	22	23	29	21	66	100	85	nw 22	w 26	w 6	391
26	.92	.92	.92	.92	23	32	24	30	33	20	53	64	80	nw 8	w 2	sw 18	242
27	.93	.90	.90	.91	25	33	27	28	35	23	57	74	77	nw 14	w 17	w 16	296
28	.86	.82	.78	.82	20	30	25	25	33	20	92	63	60	sw 27	sw 35	sw 30	489
29	.67	.57	.48	.57	21	27	19	22	29	19	71	55	85	sw 44	sw 42	sw 54	1022
30	.40	.40	.41	.40	16	18	10	15	21	10	100	71	79	w 30	w 19	w 26	1007
31	.37	.48	.54	.46	8	14	14	12	15	8	100	83	100	w 40	w 28	w 26	591
Means	.68	.68	.70	.69	15.5	22.4	17.2	18.4	25.3	13.0	83	77	84	24	23	26	17483

REMARKS.

May 1. Snow, B. 5.10 P.M.; E. 5.50 P.M.
 2. " B. 11.20 A.M.; E. 7.10 P.M. of 3d.
 4. " { B. 11.50 A.M.; E. 1.05 P.M.
 { B. 3.00 P.M.; E. 4.10 P.M.
 5. " { B. D. N.; E. 9.10 A.M.
 { B. 12.15 P.M.; E. 5.20 P.M.

May 7. Snow, B. 7.35 P.M.; E. D. N.
 11. " B. D. N.; E. 4.30 P.M.
 12. { Hail, B. 1.00 P.M.; E. 1.40 P.M.
 { Snow, B. 10.30 A.M.; E. 1.00 P.M.
 13. Snow, B. D. N.; E. 6.30 A.M.
 15. " B. 8.30 P.M.; E. D. N.

May 16 Snow, B. 6.15 A.M.; E. 1.30 P.M.
 17. " B. 3.40 P.M.; E. 6.30 A.M. of 18th.
 18. " { B. 9.35 A.M.; E. 2.15 P.M.
 { B. 3.10 P.M.; E. 5.15 P.M.
 19. " B. 10.45 A.M.; E. 5.00 P.M.
 20. " At 5.00 P.M.

MAY, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.03	.03	cs 10 NW	Hidden	0	Drift'g S.	ks 10 w	s 5	F	Cy	F
2	.	.05	.17	.22	0	Hidden	Hidden	s 7	N 10	N 10	F	LS	HS
3	19	.13	.11	.43	Hidden	Hidden	0	N 10	N 10	Drift'g S.	LS	LS	Cr
4	.	.03	.02	.05	0	ck 3 NW	Hidden	s 3	ks 7 NW	s 10 w	F	Cy	Cy
5	.04	.09	.08	.21	Hidden	Hidden	Hidden	N 10	N 10	s 10	LS	LS	Cy
6	.	.	.	.	cs 5	0	0	0	s 5 w	Drift'g S.	F	F	Cr
7	.	.	.05	.05	0	k 3 w	Hidden	s 5	ks 7 w	N 10	F	Cy	HS
8	.03	.	.	.03	cs 10	k 5 w	0	0	s 2	s 3	Cy	F	F
9	.	.	.	.	cs 5	k 3 w	0	0	k 3	s 7 w	F	F	F
10	.	.	.	.	0	k 3 sw	Hidden	s 3	ks 7 sw	s 10	F	Cy	Cy
11	.04	.06	.03	.13	Hidden	Hidden	Hidden	N 10	N 10	s 10	LS	LS	Cy
12	.	.07	.	.07	cs 5	k 5 w	Hidden	0	k 5 w	Fog	F	Cy	Fy
13	.09	.01	*.04	.14	Hidden	Hidden	0	N 10	Fog	s 7 w	LS	Fy	F
14	.	.	.	.	s 5 sw	ck 5 w	0	Drift'g S.	s 5	s 5	F	Cy	F
15	.	.	.01	.01	c 3 w	cs 5	Hidden	s 3	s 2	N 10	F	F	LS
16	.03	.17	.	.20	Hidden	k 5 w	0	Fog	Drift'g S.	0	Fy	F	Cr
17	.	.	.04	.04	0	Hidden	Hidden	0	s 10 sw	N 10	Cr	Cy	LS
18	.07	.02	.06	.15	Hidden	ks 5 w	0	N 10	s 5 w	s 5 w	LS	Cy	F
19	.	.09	.02	.11	c 3 w	Hidden	Hidden	0	N 10	L. Fog	F	LS	Fy
20	.	.	T	T	c 5 w	k 7 NW	0	Drift'g S.	0	s 10 sw	F	F	Cy
21	.	.	.	.	0	k 3 sw	0	0	0	0	Cr	F	Cr
22	.	.	.	.	cs 7 sw	k 5	0	0	s 5	s 2	F	Cy	Cr
23	.	.	.20	.20	c 7 sw	k 5 w	ck 3	0	ks 2 w	0	F	F	F
24	*T	.08	.32	.40	Hidden	Hidden	Hidden	s 10	s 10	s 10	Cy	Cy	Cy
25	.	.07	T	.07	c 3 NW	Hidden	Hidden	0	N 10	ks 10 sw	F	LS	Cy
26	.	.	.03	.03	c 3	0	c 5	ks 2	ks 7 NW	0	F	F	F
27	.	.	.	.	k 2	k 3 NW	ck 5 w	0	s 4 NW	s 2	Cr	F	F
28	.	.	.	.	c 5	k 3	0	0	s 7	s 5	F	Cy	F
29	.	.	.	.	cs 3 sw	0	0	0	ks 7 sw	s 3	F	F	F
30	.	.12	.08	.20	Hidden	k 3 w	0	Fog	L. Fog	s 3	Fy	LS	F
31	.04	.01	.04	.09	Hidden	Hidden	Hidden	Fog	s 10	Fog	LS	Cy	LS
Total	.53	1.00	1.33	2.86									

REMARKS.

May 23. Hail, B. 4.15 P.M.; E. 4.45 P.M.
 24. { Hail & Snow, B. 12.30 P.M. At intervals. E. 9.00 P.M.
 { Snow & Hail, B. 6.30 A.M.; E. 7.30 A.M.
 May 25. Snow, B. 1.15 P.M.; E. 3.15 P.M.
 26. " B. 6.30 P.M.; E. 8.00 P.M.
 30. { Snow & Hail, B. 11.50 A.M.; E. 12.30 P.M.
 { " " B. 2.15 P.M.; E. 3.00 P.M.
 May 30. Snow & Hail, B. 4.45 P.M.; E. 7.30 P.M.
 31. { Snow, B. D. N.; E. 6.30 A.M.
 { Hail, B. 12.10 P.M.; E. 12.15 P.M.
 { Snow, B. 3.10 P.M.; E. D. N.

* Frost.

JUNE, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.62	.78	.84	.75	13	24	19	19	25	13	100	86	85	w 35	sw 20	sw 10	628
2	.85	.89	.91	.88	14	25	22	20	30	12	91	81	100	nw 21	w 17	sw 32	427
3	.86	.86	.87	.86	20	25	22	22	29	20	92	100	100	sw 30	w 18	nw 24	450
4	.80	.87	.90	.86	19	26	22	22	27	19	100	77	72	w 42	nw 18	sw 20	599
5	.83	.79	.73	.78	23	30	27	27	34	22	93	78	77	w 46	sw 28	sw 34	718
6	.61	.69	.69	.66	22	26	24	24	27	22	100	50	100	sw 52	nw 14	sw 20	905
7	.59	.59	.63	.60	18	23	16	19	27	16	100	100	100	sw 28	w 10	ne 26	466
8	.63	.78	.87	.76	10	11	14	12	16	10	100	100	100	ne 34	nw 10	n 22	548
9	.88	.92	.95	.92	10	24	21	18	25	10	100	93	93	nw 29	w 25	nw 25	366
10	.92	.96	.94	.92	20	29	24	24	34	20	70	100	87	nw 38	sw 20	w 37	605
11	.91	.91	.91	.91	19	24	23	22	25	19	84	100	100	n 28	nw 20	nw 24	617
12	.87	.92	.94	.91	23	34	30	29	36	21	80	61	59	nw 36	nw 16	nw 20	733
13	.90	.92	.91	.91	27	36	31	31	36	26	64	62	60	w 30	sw 25	w 37	584
14	.86	.88	.90	.88	30	37	29	32	38	27	48	66	72	w 37	sw 25	w 26	825
15	.90	.96	1.02	.96	27	38	33	33	39	27	77	54	89	sw 30	w 20	w 8	742
16	1.04	1.04	1.04	1.04	34	37	32	34	40	29	90	62	68	w 11	w 18	sw 24	344
17	1.02	1.01	1.01	1.01	30	37	32	33	40	29	89	69	69	sw 28	sw 30	sw 26	735
18	1.04	1.04	1.04	1.04	31	36	32	33	39	28	79	62	89	w 14	s 18	s 14	660
19	1.00	1.00	.99	1.00	30	37	31	33	38	28	78	54	68	sw 42	sw 28	sw 30	744
20	.98	1.06	1.08	1.04	30	42	32	35	43	28	38	34	79	w 28	ne 10	sw 13	595
21	1.08	1.09	1.11	1.09	32	40	33	35	42	29	57	56	79	nw 8	sw 7	sw 24	196
22	1.02	.91	.86	.93	32	38	33	34	43	29	45	100	100	w 12	sw 24	w 24	389
23	.80	.79	.82	.80	28	35	30	31	37	25	57	52	84	sw 24	sw 20	w 24	579
24	.79	.76	.78	.78	26	36	29	30	37	20	64	53	67	sw 22	sw 32	sw 36	639
25	.76	.75	.79	.77	26	36	30	31	37	24	64	62	59	nw 28	sw 32	w 11	783
26	.88	.77	.84	.83	28	33	27	29	35	27	100	100	66	s 20	sw 38	sw 36	446
27	1.00	1.04	1.04	1.03	27	36	32	32	39	26	77	58	89	sw 34	sw 22	sw 20	866
28	1.03	1.04	1.00	1.02	31	40	33	35	40	30	79	47	60	sw 48	sw 28	sw 36	810
29	.89	.88	.95	.91	29	35	30	31	39	28	89	44	67	sw 32	sw 50	sw 26	1012
30	.93	.96	.97	.95	27	38	31	32	39	24	66	54	79	sw 32	sw 32	sw 25	883
Means	.88	.90	.91	.90	24.5	32.3	27.5	28.1	34.5	22.9	79	71	81	30	22	24	18894

REMARKS.

June 2. Snow, B. 1.50 P.M.; E. D. N.
 3. " B. 10.00 A.M.; E. 8.55 P.M.
 4. " B. D. N.; E. 9.15 A.M.
 5. Snow and Hail, { B. 12.10 P.M. At intervals.
 E. 4.30 P.M.

June 5. Hail at 7.30 P.M.
 { Snow and Hail, B. 7.30 A.M.; E. 10.30 A.M.
 " " B. 12.30 P.M.; E. 4.00 P.M.
 { Snow, B. 9.45 P.M.; E. D. N.
 7. Snow, B. 9.30 A.M.; E. D. N. of 8th.

JUNE, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	*.18	.	.	.18	K 2 W	K 5 SW	0	0	0	s 3 SW	Cr	F	F
2	.	.03	.10	.13	0	Hidden	Hidden	s 3	N 10 W	N 10 SW	F	LS	HS
3	.06	.02	.20	.28	c 3 SW	Hidden	0	ks 4	Fog	s 5 NW	F	S&H	F
4	.08	.17	.	.25	Hidden	ck 3 NW	0	Fog	K 4 NW	0	HS	F	Cr
5	.	.16	.03	.19	0	K 3 SW	s 3 SW	0	KS 4 SW	s 7 SW	Cr	F	F
6	.	.03	.10	.13	Hidden	K 7 NW	Hidden	Fog	0	Fog	Fy	F	Fy
7	.09	.50	.09	.68	0	Hidden	Hidden	s 10 SW	L. Fog	Fog	Cy	LS	HS
8	.43	.07	.65	1.15	Hidden	Hidden	Hidden	Fog	Fog	Fog	HS	HS	HS
9	T	.	.02	.02	0	K 7 W	0	Drift'g S.	0	0	Cr	F	Cr
10	.	.	T	T	0	Hidden	0	0	Fog	0	Cr	Fy	Cr
11	.	.27	.14	.41	c 7 NW	Hidden	0	0	Fog	0	F	LS	Cr
12	.	.	.	.	c 5 NW	K 5 NW	K 5 NW	0	0	0	F	F	F
13	.	.	.	.	0	K 5 NW	0	0	0	0	Cr	F	Cr
14	.	.	.	.	K 2 SW	K 5 SW	0	0	0	ks 3	Cr	F	F
15	.	.	.	.	0	K 3 W	0	0	0	0	Cr	F	Cr
16	.	.01	.	.01	0	0	0	0	ks 10 W	0	Cr	Cy	Cr
17	.	.	.	.	0	0	0	0	ks 7 SW	0	Cr	F	Cr
18	.	.	.02	.02	0	0	KS 3 S	s 3	KS 10 S	s 3	F	Cy	F
19	.	.	.	.	0	K 5 SW	0	s 3	0	0	F	F	Cr
20	.	.	.	.	0	K 7	KS 5 SW	s 2	0	s 2	Cr	F	F
21	.	.	.	.	K 3 NW	K 5 SW	0	0	s 2	s 3	F	F	F
22	.	.	.	.	K 2 W	K 7 SW	0	0	0	s 3	Cr	F	F
23	.	.	.	.	c 3 SW	K 7 SW	0	s 3	0	s 2	F	F	Cr
24	.	.	.	.	0	c 3 SW	CK 2	CS 3	K 4	s 3	Cr	F	F
25	.	.	.	.	0	c 3 SW	c 3 W	KS 5	K 4 SW	KS 4 W	F	F	F
26	*T	.	.01	.01	Hidden	Hidden	0	Fog	Fog	s 5	Fy	Fy	F
27	.	.	.	.	0	CS 7 SW	0	s 3	K 3 SW	s 5	F	Cy	F
28	.	.	.	.	CS 7 SW	CS 3 SW	0	0	K 4 SW	s 5	F	F	F
29	.	T	.	T	Hidden	K 2	0	s 7 SW	0	s 2	Cy	Cr	Cr
30	.	.	.	.	0	K 2 SW	0	0	0	s 2	Cr	Cr	Cr
Total	.84	1.26	1.36	3.46									

REMARKS.

June 9. Snow, At 5.00 P.M. and 7.30 P.M.

10. Hail, At 3.30 P.M.

11. Snow and Hail, B. 10.00 A.M.; E. 6.30 P.M.

16. Hail, B. 2.05 P.M. At intervals. E. 2.40 P.M.

June 18. Hail, B. 6.15 P.M.; E. 6.35 P.M.

26. Snow, B. 5.15 P.M.; E. 5.30 P.M.

29. Snow, B. 6.55 A.M.; E. 7.05 A.M.

* Snow and Frost.

JULY, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.88	.94	1.00	.94	29	37	35	34	40	26	35	45	49	SW 48	SW 36	W 22	820
2	.95	.96	.97	.96	30	39	35	35	41	25	48	71	61	SW 40	SW 33	SW 27	719
3	.98	1.01	1.04	1.01	31	42	35	36	45	29	69	48	69	SW 41	SW 22	SW 31	727
4	1.10	1.14	1.16	1.13	36	50	39	42	51	33	71	27	56	SW 28	SW 4	SW 4	631
5	1.18	1.19	1.17	1.18	39	48	40	42	51	36	37	32	56	W 8	NE 12	SW 22	159
6	1.18	1.14	1.12	1.15	45	52	42	46	52	38	54	32	56	SW 12	S 5	0	265
7	1.14	1.14	1.14	1.14	43	44	39	42	46	38	42	54	80	0	NE 12	NE 7	92
8	1.12	1.14	1.15	1.14	36	39	35	37	40	35	100	100	100	W 12	W 4	NE 7	235
9	1.13	1.14	1.14	1.14	35	39	35	36	43	34	80	56	80	NE 6	NE 8	E 8	97
10	1.11	1.10	1.11	1.11	38	41	39	39	45	31	63	35	63	W 8	NE 12	N 7	173
11	1.10	1.10	1.11	1.10	41	43	36	40	48	36	48	58	100	N 6	N 8	NW 8	188
12	1.06	1.11	1.11	1.09	35	38	38	37	44	34	90	80	63	SW 27	NE 20	N 12	330
13	1.12	1.12	1.10	1.11	39	50	39	43	52	36	39	59	71	N 11	W 16	SW 10	286
14	1.03	1.02	1.01	1.02	38	51	45	45	53	35	45	75	24	W 24	NW 6	W 10	373
15	1.01	1.02	1.06	1.03	41	45	41	42	52	38	42	48	48	W 15	W 16	W 9	312
16	1.09	1.09	1.11	1.10	41	49	41	44	54	36	48	71	100	W 21	NW 6	W 11	399
17	1.07	1.09	1.10	1.09	36	46	37	40	48	34	90	48	100	SW 22	NW 9	W 8	460
18	1.08	1.09	1.10	1.09	35	38	35	36	41	33	61	80	100	NW 20	N 12	NW 2	312
19	1.08	1.10	1.10	1.09	36	43	38	39	44	32	71	67	80	N 13	NE 12	N 2	286
20	1.08	1.10	1.12	1.10	35	36	30	34	39	30	100	90	67	W 12	N 21	NE 17	236
21	1.11	1.12	1.10	1.11	35	43	38	39	48	23	52	60	56	W 6	W 11	NE 18	257
22	1.08	1.11	1.10	1.10	37	46	41	41	47	35	63	42	48	N 20	W 16	NE 11	320
23	1.08	1.06	1.02	1.05	36	45	37	39	45	34	30	60	52	NE 15	N 8	N 8	294
24	.90	.89	.90	.90	38	44	35	39	45	32	56	75	69	N 28	NW 8	N 5	324
25	.88	.90	.92	.90	32	35	35	34	37	31	79	96	80	N 22	NW 11	NW 11	334
26	.88	.88	.89	.88	33	43	33	36	44	30	61	48	52	W 12	W 11	W 26	320
27	.90	.97	1.01	.96	32	38	32	34	41	29	69	90	100	W 30	SW 22	W 7	533
28	1.06	1.09	1.09	1.08	33	45	35	38	47	25	69	60	100	W 16	W 12	NW 20	297
29	1.07	1.02	.98	1.02	34	51	40	42	52	33	61	27	56	W 12	SW 7	S 10	298
30	.89	.89	.89	.89	34	48	38	40	49	32	61	42	45	W 26	SW 29	W 37	482
31	.94	1.02	1.06	1.01	33	49	40	41	49	30	52	37	56	SW 31	SW 22	SW 15	721
Means	1.04	1.05	1.06	1.05	36.1	43.8	37.4	39.1	46.2	32.4	61	58	69	19	14	13	11090

REMARKS.

July 4. Snow, B. 7.35 P.M.; E. 7.45 P.M.
 7. Rain, B. 4.55 P.M.; E. 7.50 P.M.
 8. " { B. D. N.; E. 6.40 A.M.
 { B. 10.15 A.M.; E. 7.15 P.M.
 9. " { B. 3.35 P.M.; E. 4.30 P.M.

July 10. Rain, { B. 12.15 P.M.; E. 2.10 P.M.
 { B. 4.10 P.M.; E. 5.20 P.M.
 11. { Rain, B. 3.40 P.M.; E. 4.30 P.M.
 { Hail, B. 7.35 P.M.; E. 8.00 P.M.
 { Rain, B. 8.00 P.M.; E. D. N.

July 12. { Rain & Hail, B. 2.05 P.M. At inter-
 vals. E. 8.50 P.M.
 13. Hail, B. 4.55 P.M.; E. 6.00 P.M.
 15. " B. 2.10 P.M.; E. 2.20 P.M.
 16. Rain, B. 2.10 P.M.; E. 3.00 P.M.

JULY, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	K 2 SW	0	s 2	0	s 5	Cr	Cr	F
2	.	.	.	.	0	K 2 SW	0	0	Haze	s 3	Cr	F	F
3	.	.	.	.	0	K 2 SW	0	0	Haze	s 7	Cr	F	F
4	.	.	.01	.01	CS 5 W	K 7 SW	C 5	s 2	0	s 2 W	F	F	F
5	.	.	.	.	0	K 7 W	0	s 3	0	s 7 W	F	F	F
6	.	.	.	.	C 5	K 7 W	CS 7	s 2	KS 3 W	s 3	F	Cy	Cy
7	.	.	.06	.06	C 3	Hidden	Hidden	s 4	s 10	s 10	F	Cy	Cy
8	.09	.43	.63	1.15	Hidden	Hidden	Hidden	Fog	Fog	s 10	LR	LR	Cy
9	.	.	.04	.04	CK 5 NW	CK 3 W	CK 3	0	KS 4 W	s 3	F	F	F
10	.	.02	T	.02	0	K 3 W	C 3	0	s 7	s 2	Cr	Cy	F
11	.	.	.19	.19	K 2	Hidden	Hidden	0	KS 10 NE	N 10	Cr	Cy	HR
12	.02	.09	.11	.22	Hidden	Hidden	Hidden	KS 7 SW	N 10 NE	s 10	Cy	Hail	Cy
13	.	.	.03	.03	0	C 5	CK 5 W	0	KS 2 W	s 2	Cr	F	F
14	.	.	.	.	0	K 7 W	0	s 3	0	s 5	F	F	F
15	.	T	.	T	0	CK 5 W	Hidden	0	KS 5 W	KS 10	Cr	Cy	Cy
16	.	.01	.03	.04	0	Hidden	CK 3	s 3	N 10 NW	s 7	F	LR	Cy
17	.01	.	.07	.08	CK 3 SW	CK 3 NW	Hidden	CS 4 SW	K 4 NW	Fog	F	F	LR
18	.02	.08	.12	.22	CS 5	K 5 NW	Hidden	0	s 2	KS 10 NW	F	F	Cy
19	.	.	.	.	CS 2	K 5 N	Hidden	0	s 2	s 10	Cr	F	Cy
20	.03	.04	.	.07	Hidden	Hidden	0	Fog	Fog	0	Fy	Fy	Cr
21	.	.	.	.	0	K 5 W	0	0	s 2	0	Cr	F	Cr
22	.	.	.	.	0	CS 3	0	0	0	s 3	Cr	F	F
23	.	.	.	.	CS 3	K 3 NW	s 5	0	0	KS 2 NW	F	F	F
24	.	.	T	T	0	Hidden	Hidden	s 3	KS 10 NW	s 10	F	Cy	Cy
25	.	.11	.	.11	Hidden	Hidden	Hidden	s 10 NW	KS 10 NW	KS 10	Cy	Cy	Cy
26	.	.08	.	.08	CS 5	Hidden	CS 5	s 5	KS 10 W	s 5	Cy	Cy	Cy
27	.	.06	.12	.18	CK 3 W	Hidden	Hidden	0	N 10 W	Fog	F	LS	HS
28	.13	.	.14	.27	0	K 5 NW	Hidden	s 7	0	KS 10 NW	F	F	Cy
29	.	.	.02	.02	CS 3	K 5 SW	0	0	0	s 5	F	F	F
30	.	.	.	.	CS 3 W	K 5 W	0	0	0	0	F	F	Cr
31	.	.	.	.	0	K 5 W	Hidden	0	Haze	KS 10 SW	Cr	F	Cy
Total	.30	.92	1.57	2.79									

REMARKS.

July 17. { Rain, B. D. N. ; E. D. N.
 { Hail, B. 3 10 P.M. ; E. 5.00 P.M.
 { Rain, B. 5 00 P.M. ; E. D. N.
 18. Snow, { B. 11.20 A.M. ; E. 2.20 P.M.
 { B. 3.00 P.M. ; E. 8.15 P.M.

July 19. Rain, B. 9.20 P.M. ; E. D. N.
 20. " B. 11.30 A.M. ; E. 1.30 P.M.
 24. Hail, B. 5.00 P.M. ; E. 5.15 P.M.
 25. Snow, B. 10.00 A.M. ; E. 1.50 P.M.
 26. Rain, B. 11.00 A.M. ; E. 1.15 P.M.

July 27. { Hail, B. 1.05 P.M. ; E. 2.30 P.M.
 { Snow, B. 2.35 P.M. ; E. D. N.
 28. Hail, B. 7.55 P.M. ; E. 8.50 P.M.
 29. Snow, B. 6.00 P.M. ; E. 7.20 P.M.

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AUGUST, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	1.14	1.15	1.16	1.15	37	42	37	39	45	33	71	67	52	SW 8	SW 13		W 8	335
2	1.16	1.12	1.08	1.12	42	35	36	38	48	34	75	80	80	0	E 10	SW 5	108
3	1.04	1.04	1.05	1.04	37	47	40	41	48	34	54	55	64	NE 11	SW 8	NE 8	218
4	1.01	1.06	1.05	1.04	36	54	41	44	54	34	80	37	65	W 22	SW 9	NW 12	263
5	1.06	1.09	1.11	1.09	37	52	41	43	53	36	62	34	57	NW 12	NW 3	NE 6	294
6	1.13	1.10	1.08	1.10	37	55	40	44	59	35	54	27	100	E 8	SW 9	W 12	137
7	1.07	1.06	1.08	1.07	34	49	37	40	51	32	69	37	71	NW 5	SW 17	NW 9	205
8	1.08	1.10	1.11	1.10	35	45	39	40	48	32	45	53	36	N 8	NE 5	SE 12	230
9	1.11	1.14	1.14	1.13	38	50	41	43	55	32	15	25	33	NW 12	N 6	SW 24	258
10	1.15	1.17	1.16	1.16	41	47	39	42	56	36	11	41	63	NW 12	S 14	NW 12	306
11	1.16	1.16	1.14	1.15	39	36	35	37	53	32	47	90	90	NW 16	NE 11	NE 12	286
12	1.12	1.11	1.12	1.12	35	34	34	34	52	32	70	79	100	NW 9	NW 8	NE 6	200
13	1.11	1.12	1.10	1.11	33	38	32	34	39	29	69	81	79	N 11	N 10	N 5	244
14	1.07	1.01	1.05	1.04	32	34	33	33	41	29	100	90	89	W 18	NW 14	NW 9	268
15	1.01	1.02	1.04	1.02	33	36	34	34	41	30	89	70	69	NW 20	NW 16	N 16	390
16	1.02	1.06	1.07	1.05	34	42	36	37	42	30	61	49	61	NW 22	NW 10	NW 3	353
17	1.05	1.08	1.09	1.07	35	41	36	37	41	33	61	41	53	SE 14	NE 10	SE 3	229
18	1.07	1.06	1.02	1.05	32	40	32	35	45	29	89	56	100	S 2	SE 20	SW 30	113
19	.97	1.00	.99	.99	30	37	33	33	41	29	100	90	78	W 14	NW 12	W 20	416
20	.95	.97	1.00	.97	31	37	30	33	38	28	79	54	59	W 30	NW 14	NE 24	482
21	.98	1.00	1.01	1.00	28	40	33	34	41	27	77	40	61	NW 18	NW 16	NW 18	445
22	.96	.99	1.00	.98	30	44	38	37	47	29	67	16	63	NW 17	NW 13	SW 24	323
23	.98	1.04	1.06	1.03	33	48	39	40	51	33	26	21	31	NW 28	NE 11	NW 12	554
24	1.05	1.06	1.06	1.06	38	50	41	43	53	37	24	7	33	NW 22	W 14	W 5	349
25	1.02	1.01	1.01	1.01	37	51	41	43	55	36	54	18	19	W 32	SW 21	W 20	340
26	.98	1.02	1.06	1.02	36	51	41	43	53	35	36	9	81	NW 24	SW 21	SE 14	543
27	1.05	1.08	1.10	1.08	36	51	41	43	52	35	45	20	57	SW 26	SW 33	SW 30	460
28	1.12	1.17	1.16	1.15	38	55	42	45	55	36	15	8	91	W 32	SW 14	S 28	628
29	1.18	1.16	1.16	1.17	40	57	45	47	58	37	27	15	31	W 12	SW 12	SW 8	422
30	1.12	1.11	1.12	1.12	40	49	42	44	58	38	40	30	42	SW 24	SE 5	W 8	343
31	1.13	1.14	1.15	1.14	37	47	38	41	54	36	45	27	55	W 11	NE 6	SW 11	168
Means	1.07	1.08	1.08	1.08	35.5	45.0	37.6	39.4	49.3	32.8	57	44	63	16	12	13	9910

REMARKS.

<p>Aug 1. Hail, B. 12 20 P.M.; E. 1 50 P.M. 2. { Rain, B. 9.00 A.M.; E. 10.30 A.M. { Snow, B. 11.00 A.M.; E. 5.50 P.M. { Hail, B. 12.45 P.M. At intervals. 3. { E. 1.10 P.M. { Hail, B. 2.35 P.M.; E. 3.05 P.M. 5. { Rain, B. 3.30 P.M.; E. 3.45 P.M. { Hail, B. 4 P.M. At intervals. E. 7.35 P.M.</p>	<p>Aug. 6. Hail, B. 8 50 P.M.; E. 9 25 P.M. 7. " B. 9 50 A.M.; E. 10 10 A.M. 8. Snow, { B. 3.45 P.M. At intervals. { E. 4.05 P.M. { Hail, B. 1.15 P.M. At intervals. 10. { E. 1.25 P.M. { Snow, B. 2.40 P.M. At intervals. { E. 7.45 P.M.</p>	<p>Aug 11. { Hail, B. 2.00 P.M.; E. 2.35 P.M. { Snow, B. 2.40 P.M. At intervals. { E. 3.30 P.M. { Hail, B. 11 30 A.M. At intervals. { E. 1.35 P.M. 12. { Snow, B. 9.10 A.M.; E. 9 20 A.M. { B. 1.40 P.M.; E. D. N. 13. Hail, B. 4 P.M. At intervals. E. 5 45 P.M.</p>
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AUGUST, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.05	.	.05	CS 5	Hidden	CK 3	s 2 w	KS 10 w	s 3	F	Cy	F
2	.	.14	.25	.39	0	Hidden	Hidden	s 5 w	N 10	s 10	F	HS	Cy
3	.	.03	.05	.08	CK 5 SW	Hidden	Hidden	s 2	KS 10 SW	s 10	F	HH	Cy
4	0	K 5 SW	CS 3	s 2	0	s 4	Cr	F	F
5	.	.	.10	.10	CS 3 W	CK 3 NW	CS 5 N	s 3	K 4	0	F	F	F
6	.	.	.02	.02	K 3 W	K 5 SW	Hidden	s 3	0	Fog	F	F	HH
7	.02	T	.	.02	CK 3 NW	C 2 SW	0	Haze	K 5 SW	0	HZ	F	Cr
8	.	.	T	T	CK 3 NW	CS 5 NW	0	s 2	KS 5	0	F	Cy	Cr
9	0	CK 3 NW	0	Haze	K 4 NW	s 2	HZ	F	Cr
10	.	T	.04	.04	C 3 NW	Hidden	0	s 3	N 10 SW	s 5 NW	F	LS	F
11	.	.17	.03	.20	CS 2 NW	Hidden	CS 3 SW	s 3	N 10 SW	s 4	F	LS	F
12	.	.42	.13	.55	CK 7 NW	Hidden	Hidden	s 3	N 10.	N 10	Cy	HS	HS
13	.10	.	.04	.14	CS 3 NW	K 3 NW	0	Haze	KS 4 NW	s 5	HZ	F	F
14	.	.23	.	.23	CS 5 W	C 2 NW	s 3 NW	s 5	KS 5 NW	KS 4 NW	Cy	F	F
15	C 3 NW	CS 3 NW	0	KS 4 NW	KS 4 NW	s 3 NW	F	F	F
16	.	.	.01	.01	CS 5 NW	C 2 NW	0	s 3	K 5 NW	s 3 NW	F	F	F
17	.	.02	.	.02	CS 2	CS 5 NW	CK 5 W	Haze	K 2 NW	0	HZ	F	F
18	.	T	.	T	C 2	CK 5 SE	Hidden	s 5	K 5 SE	Fog	F	Cy	Fy
19	.	.13	.05	.18	Hidden	Hidden	C 3 W	Fog	KS 10 NW	KS 4 W	Fy	LH	F
20	.	.01	.04	.05	s 3	CK 2 NW	C 2 N	0	K 5 NW	CS 3	F	F	F
21	.	.	.01	.01	CK 2 NW	CK 3 NW	CS 3 NW	Haze	K 7 NW	s 4	HZ	Cy	F
22	CS 2	CS 5 NW	0	Haze	K 2	s 2	HZ	F	Cr
23	0	K 3	CK 3 NW	Haze	0	s 4	HZ	F	F
24	CK 3 W	CS 3 W	CS 2	s 4	K 4 W	s 3	F	F	F
25	0	CK 3 W	s 2 W	s 2	K 3 W	0	Cr	F	Cr
26	0	K 5 SW	Hidden	s 2	0	Fog	Cr	F	Fy
27	CS 2	K 3 SW	0	KS 5 SW	KS 4 SW	s 2	F	F	Cr
28	C 5 W	C 3 SW	Hidden	0	K 3	Fog	F	F	Fy
29	.	T	.	T	0	K 5 SW	CS 2	Haze	0	s 5	HZ	F	F
30	.	.	.01	.01	CK 5 SW	CS 7 SW	0	s 2	K 3 SW	s 5	F	Cy	F
31	CK 2	C 5 W	0	s 3	KS 5 W	s 2	F	Cy	Cr
Total	.12	1.20	.78	2.10									

REMARKS.

Aug. 14. { Hail, B. 2.00 P.M.; E. 2.40 P.M.
 { Snow, B. 11.45 A.M.; E. 12 M.
 16. Snow, { B. 5.30 P.M. At intervals.
 { E. 6.45 P.M.
 17. Hail, { B. 11.30 A.M. At intervals.
 { E. 2.20 P.M.
 18. Hail, B. 11 A.M. At interv. E. 11.30 A.M.

Aug. 19. Hail, { B. 11.55 A.M. At intervals.
 { E. 3.30 P.M.
 { B. 4.00 P.M.; E. 7.45 P.M.
 { B. 11.55 A.M. At intervals.
 { E. 1.45 P.M.
 20. Hail, { B. 4.15 P.M.; E. 4.35 P.M.

Aug. 20. Snow, { B. 4.45 P.M. At intervals.
 { E. 5.55 P.M.
 21. { Hail, B. 4.10 P.M.; E. 4.30 P.M.
 { Snow, B. 4.40 P.M.; E. 5.00 P.M.
 29. Snow, B. 1.00 P.M.; E. 1.15 P.M.
 30. " B. 3.55 P.M.; E. 4.45 P.M.

SEPTEMBER, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00 +				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	1.13	1.12	1.09	1.11	35	45	36	39	50	33	61	53	80	SW 6	SW 14	SW 6	257
2	1.03	.96	.98	.99	33	33	31	32	38	30	100	100	100	SW 20	W 29	N 12	426
3	.93	.92	.92	.92	25	31	26	27	34	23	88	100	100	N 8	NW 7	W 8	277
4	.87	.86	.91	.88	22	27	24	24	32	20	100	100	100	NW 13	N 6	N 5	243
5	.95	.93	.98	.95	20	30	27	26	31	19	100	100	94	NW 8	NW 12	W 16	179
6	1.05	1.01	1.01	1.02	28	40	31	33	41	26	72	56	69	NW 12	SW 21	S 28	357
7	1.06	.92	.86	.98	29	30	26	28	31	25	89	100	48	SW 33	SW 28	SW 32	696
8	.80	.82	.94	.85	21	19	22	21	26	14	100	85	72	SW 17	NW 16	NW 29	570
9	.99	1.01	1.04	1.01	30	40	34	35	42	21	48	56	63	N 27	W 13	W 15	518
10	1.06	1.06	1.02	1.05	39	47	38	41	48	31	63	19	56	N 5	SW 12	SW 12	290
11	.95	.92	.90	.92	36	47	36	40	49	33	96	37	37	SW 15	SW 9	SE 17	359
12	.85	.86	.82	.84	32	39	31	34	46	31	69	94	100	SW 18	S 24	SW 28	393
13	.81	.77	.79	.79	29	32	26	29	33	20	100	89	77	SW 15	SW 23	SW 12	608
14	.70	.97	.80	.82	12	25	25	21	26	11	61	38	38	NW 17	W 28	W 33	437
15	.83	.84	.87	.85	27	36	26	30	37	23	19	45	67	NW 33	W 32	W 18	781
16	.88	.96	1.00	.95	25	38	26	30	40	23	60	45	67	W 32	W 20	W 16	695
17	1.02	.97	.98	.99	22	35	28	29	40	22	72	69	57	W 24	SW 20	NW 18	424
18	.98	.99	1.01	.99	23	39	30	31	40	21	60	63	41	NW 20	NW 16	W 10	406
19	1.00	1.04	1.07	1.04	30	43	29	34	44	26	41	42	59	0	S 12	SW 18	297
20	1.06	1.03	1.02	1.04	30	44	35	36	46	26	59	19	37	SW 8	SW 28	SW 17	243
21	.92	.88	.90	.90	35	36	27	33	37	22	45	71	100	SW 48	W 39	SW 25	754
22	.91	.93	.94	.93	25	40	33	33	43	23	38	30	52	NW 24	SW 20	SW 24	564
23	.93	.88	.90	.90	26	38	38	31	39	20	28	56	45	SW 36	S 36	SW 28	653
24	.92	.90	1.01	.94	28	35	28	30	38	22	48	80	65	SW 10	SW 12	S 10	507
25	.84	.86	.88	.86	20	20	22	21	28	16	100	100	72	N 12	NE 10	N 16	336
26	.89	.89	.92	.90	18	37	29	28	38	17	67	37	67	N 32	W 12	NW 26	481
27	.96	.98	1.00	.98	30	44	32	35	46	26	41	30	61	SW 18	SW 18	W 22	458
28	.93	1.00	.98	.97	33	43	32	36	45	30	61	11	41	SW 26	SW 20	W 22	501
29	.97	.88	.87	.91	28	39	30	32	40	27	48	37	32	W 20	W 32	W 44	499
30	.89	.89	.93	.90	33	42	30	35	44	27	69	18	48	SE 16	S 18	SW 24	519
Means	.94	.93	.94	.94	27.5	36.4	29.6	31.2	39.1	23.6	67	59	65	19	20	20	13471

REMARKS.

Sept. 1. Rain, B. 3.20 P.M.; E. 5.20 P.M.
 2. { Rain, B. D. N.; E. D. N.
 Rain and Hail, B. 6.50 A.M.; E. 4.35 P.M.
 Hail, B. 1.30 P.M.; E. 2.30 P.M.
 Snow, B. 4.35 P.M.; E. 9.20 P.M.
 3. Snow, B. 12.35 P.M.; E. 1.40 P.M.

Sept. 3. { Snow, B. 2.45 P.M.; E. 2.50 P.M.
 Hail, B. 3.45 P.M.; E. 4.45 P.M.
 " B. 7.00 P.M.; E. 8.10 P.M.
 Hail, B. 10.25 A.M.; E. 11.50 A.M.
 4. { Snow, B. 11.45 A.M.; E. 1.50 P.M.
 " B. 2.40 P.M.; E. D. N.

SEPTEMBER, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M.	P.M.	P.M.	Total.	Upper.			Lower.			A.M.	P.M.	P.M.
	5.42	2.42	9.07		A.M.	P.M.	P.M.	A.M.	P.M.	P.M.			
	5.42	2.42	9.07	5.42	2.42	9.07	5.42	2.42	9.07	5.42	2.42	9.07	
1	.	.	.07	.07	cs 3 sw	s 10 sw	s 5 sw	s 3	0	s 5	F	Cy	Cy
2	.12	.23	.41	.76	Hidden	Hidden	Hidden	Fog	N 10 w	N 10 N	Fy	LR	HS
3	T	T	.36	.36	c 5 NW	Hidden	0	s 2	Fog	Haze	F	Fy	HZ
4	.	.40	.32	.72	0	Hidden	Hidden	s 3 NW	N 10	N 10	Cr	HS	HS
5	.03	T	.	.03	0	Hidden	0	0	N 10	0	Cr	LS	Cr
6	.	.	.	.	0	Hidden	0	0	s 10 sw	0	Cr	Cy	Cr
7	.	.02	T	.02	0	Hidden	0	s 5 sw	N 10 sw	0	F	LS	Cr
8	.03	T	.	.03	Hidden	0	0	N 10	cs 8 NW	0	LS	Cy	Cr
9	.	.	.	.	0	c 2 w	0	0	0	0	Cr	Cr	Cr
10	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
11	.	.	.	.	0	cs 3 sw	0	s 2 sw	KS 5 sw	s 2 sw	Cr	Cy	Cr
12	.	.02	T	.02	0	Hidden	Hidden	s 3 sw	Fog	Fog	Cr	Fy	Fy
13	.	.03	.	.03	Hidden	Hidden	cs 3 sw	Haze	Fog	s 3 sw	HZ	Fy	F
14	.03	.	.	.03	0	cs 5 w	0	s 3	KS 3 w	0	Cr	Cy	Cr
15	.	.	.	.	0	cs 5 w	0	s 3 NW	s 5 w	0	Cr	Cy	Cr
16	.	.	.	.	cs 8 w	0	0	0	0	0	Cy	Cr	Cr
17	.	.	.	.	c 5 w	K 7 sw	K 5 NW	Haze	0	0	F	F	F
18	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
19	.	.	.	.	0	0	0	Haze	Haze	0	Cr	Cr	Cr
20	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
21	.	.	T	T	cs 5 sw	0	Hidden	s 5 sw	KS 5 sw	N 10	Cy	Cy	LS
22	.01	.	.	.01	0	0	0	KS 3 NW	s 5 sw	s 7 sw	Cr	F	Cy
23	.	.	.	.	cs 3 sw	K 5 sw	0	KS 5 sw	0	s 3 sw	Cy	F	F
24	.	.	.01	.01	0	0	K 7 s	s 2	KS 8 sw	0	Cr	Cy	F
25	.25	.25	.10	.60	Hidden	Hidden	0	N 10	N 10 NE	0	LS	LS	Cr
26	.	.	.	.	0	c 7 w	0	0	0	0	Cr	F	Cr
27	.	.	.	.	0	0	0	0	Haze	0	Cr	Cr	Cr
28	.	.	.	.	0	0	0	Haze	Haze	0	Cr	Cr	Cr
29	.	.	.	.	0	K 5 w	0	0	0	0	Cr	F	Cr
30	.	.	.	.	K 5 SE	K 7 s	0	0	0	0	F	F	Cr
Total	.47	.95	1.27	2.69									

REMARKS.

Sept. 5. Snow, B. 1.30 P.M.; E. 2.40 P.M.
 7. " B. 9.05 A.M.; E. 4.10 P.M.
 8. " { B. D. N.; E. 6.40 A.M.
 { B. 8.00 A.M.; E. 12 M.
 12. Sleet, B. 12.30 P.M.; E. 4.00 P.M.

Sept. 13. Sleet, B. 11.30 A.M.; E. 2.30 P.M.
 14. Snow, B. D. N.; E. D. N.
 21. " B. 8.30 P.M.; E. D. N.
 24. Hail, B. 2.45 P.M.; E. 3.00 P.M.
 25. Snow, B. D. N.; E. 3.20 P.M.

OCTOBER, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			24 Hours. Move- ment.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.90	.89	.87	.89	29	40	30	33	43	27	59	30	48	w 12	w 20		w 24	452
2	.87	.83	.84	.85	27	42	30	33	43	25	38	67	41	w 13	sw 16	nw 20	440
3	.77	.79	.82	.79	22	26	21	23	30	20	48	38	33	sw 36	sw 30	sw 32	614
4	.76	.78	.77	.77	19	27	21	22	32	17	52	77	48	w 42	nw 20	w 21	891
5	.81	.80	.81	.81	19	27	23	23	30	16	85	77	60	w 12	w 16	sw 35	454
6	.80	.80	.84	.81	18	18	13	16	23	11	100	100	44	sw 22	w 26	nw 32	647
7	.81	.91	.93	.88	19	27	21	22	29	10	15	48	39	nw 52	nw 11	w 26	690
8	.91	.88	.93	.91	22	27	22	24	29	16	48	28	27	n 24	nw 28	w 22	520
9	.94	.97	.96	.96	19	31	26	25	33	18	27	41	38	w 21	w 14	w 28	521
10	1.04	1.00	1.01	1.02	26	38	30	31	40	23	28	45	59	nw 13	ne 14	nw 6	482
11	.93	.84	.82	.86	26	32	26	28	36	25	77	48	28	w 33	w 16	w 24	458
12	.78	.70	.68	.72	25	23	20	23	30	19	77	85	72	sw 22	sw 28	sw 13	456
13	.60	.58	.61	.60	14	27	16	19	27	13	61	100	100	sw 6	sw 4	w 6	302
14	.63	.64	.71	.66	11	17	15	14	18	10	79	100	100	sw 3	sw 5	0	97
15	.73	.70	.71	.71	18	20	10	16	22	10	100	100	61	0	s 20	w 14	31
16	.77	.75	.77	.76	7	18	8	11	19	6	77	52	55	s 4	s 6	0	222
17	.79	.75	.73	.76	6	12	13	10	15	5	75	79	100	0	e 12	ne 16	36
18	.67	.63	.65	.65	4	2	0	2	13	0	100	100	100	ne 22	ne 21	ne 20	454
19	.70	.74	.78	.74	- 1	4	0	1	5	- 2	100	100	100	e 30	ne 40	nw 22	580
20	.80	.83	.85	.83	- 2	10	9	6	13	- 6	67	38	24	nw 16	nw 8	n 15	467
21	.83	.81	.81	.82	11	15	13	13	18	7	23	46	44	n 14	nw 9	nw 8	326
22	.80	.72	.71	.74	11	17	14	14	20	10	40	67	61	nw 21	w 20	sw 28	313
23	.72	.68	.67	.69	10	16	12	13	19	8	40	100	100	w 30	sw 16	sw 32	650
24	.69	.68	.68	.68	11	16	8	12	19	7	100	100	55	n 4	ne 3	n 10	380
25	.64	.70	.71	.68	9	21	20	17	22	6	60	39	52	n 24	n 36	n 36	413
26	.65	.63	.63	.64	11	20	13	14	22	10	61	72	44	w 56	w 28	w 28	943
27	.62	.46	.42	.50	11	17	8	12	19	8	100	100	100	s 14	s 6	w 4	515
28	.45	.44	.55	.48	0	10	6	5	10	- 2	100	100	100	sw 4	sw 28	sw 11	148
29	.64	.63	.66	.64	8	17	15	11	18	5	77	83	100	sw 16	sw 18	n 14	396
30	.75	.71	.71	.72	16	22	15	18	23	14	83	48	67	0	sw 18	s 18	237
31	.64	.53	.50	.56	14	16	13	14	18	13	61	100	61	s 30	s 26	sw 24	523
Means	.76	.74	.75	.75	14.2	21.1	15.8	17.0	23.8	11.3	66	71	63	19	18	19	13658

REMARKS.

Oct. 6. Snow, B. 10.30 A.M.; E. 3.00 P.M.
 12. " { B. D. N.; E. D. N.
 { B. 11.00 A.M.; E. 5.00 P.M.

Oct. 13. Snow, B. 9.00 A.M.; E. D. N.
 14. " B. 11.00 A.M.; E. 5.00 P.M. of 15th.
 17. " B. 8.00 P.M.; E. D. N. of 19th.

OCTOBER, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	K 5 N	K 10 W	0	0	0	0	F	Cy	Cr
2	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
3	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
4	.	.	.	.	0	Hidden	0	s 2	s 10	s 2	Cr	Cy	Cr
5	.	.	.	.	Hidden	cs 2	Hidden	s 10 sw	ks 7 sw	s 10	Cy	Cy	Cy
6	.	.05	T	.05	Hidden	Hidden	0	D. Haze	N 10	0	H	LS	Cr
7	.	.	.	.	0	cs 10 NW	0	0	0	0	Cr	Cy	Cr
8	.	.	.	.	cs 8 NW	K 5 NW	0	0	0	s 3	Cy	F	F
9	.	.	.	.	0	0	0	s 2	0	0	Cr	Cr	Cr
10	.	.	.	.	cs 5 NW	K 5 NE	0	0	0	0	F	F	Cr
11	.	.	.	.	cs 3 W	K 5 W	0	s 7 W	s 3 W	0	Cy	Cy	Cr
12	.03	.02	.01	.06	Hidden	Hidden	0	s 10 s	N 10 SW	s 5 sw	Cy	LS	F
13	.	.10	.50	.60	Hidden	Hidden	Hidden	s 10 sw	N 10 SW	N 10 W	Cy	LS	LS
14	.20	.04	.20	.44	0	Hidden	Hidden	s 5 sw	N 10 SW	N 10	F	LS	HS
15	.20	.20	.03	.43	Hidden	Hidden	0	N 10	N 10 s	0	LS	LS	Cr
16	.	.	.	.	0	K 7 s	0	0	0	0	Cr	F	Cr
17	.	.	.09	.09	c 7 E	Hidden	Hidden	0	s 10 E	N 10	F	Cy	LS
18	.50	.20	.15	.85	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
19	.20	.10	.05	.35	Hidden	Hidden	Hidden	N 10 E	N 10	N 10	LS	LS	LS
20	.02	.	.	.02	0	0	0	0	0	0	Cr	Cr	Cr
21	.	.	.	.	0	0	0	0	s 2	0	Cr	Cr	Cr
22	.	.	.	.	c 8 W	cs 7 W	cs 3 W	0	ks 3 SW	ks 3 SW	Cy	Cy	F
23	.	T	.03	.03	0	Hidden	Hidden	s 8 SW	N 10	N 10	Cy	LS	HS
24	.08	.07	.04	.19	Hidden	Hidden	0	N 10	N 10	0	LS	LS	Cr
25	.	.	.	.	0	c 7 N	c 5 N	s 3	0	0	Cr	F	F
26	.	.	.	.	0	c 5 W	0	0	s 5 W	0	Cr	Cy	Cr
27	.04	.12	.10	.26	Hidden	Hidden	Hidden	N 10	N 10 s	N 10 W	LS	LS	LS
28	.06	.04	.03	.13	Hidden	Hidden	Hidden	N 10 SW	N 10	N 10	LS	LS	LS
29	.02	.	.06	.08	Hidden	Hidden	Hidden	s 10 SW	s 10 SW	N 10 W	Cy	Cy	LS
30	.06	.	.	.06	Hidden	K 7 SW	0	s 10	0	Haze	Cy	F	Cr
31	.	.06	.04	.10	Hidden	Hidden	0	s 10 s	N 10	0	Cy	LS	Cr
Total	1.41	1.00	1.33	3.74									

REMARKS.

Oct. 23. Snow, { B. 12.40 P.M.; E. 5.00 P.M.
 { B. 8.00 P.M.; E. 8.00 P.M. of 24th.
 27. " B. D. N.; E. D. N. of 28th.

Oct. 29. Snow, B. 3.00 P.M.; E. D. N.
 31. " B. 9.00 A.M.; E. 8.00 P.M.

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NOVEMBER, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.								
	Direction and Velocity in Miles per Hour.			Movement. 24 Hours.	A.M.			P.M.			A.M.			P.M.			A.M.			P.M.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07		Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.	
1	.52	.48	.55	.52	0	2	4	2	13	-2	70	72	48	NE 24	NW 36	W 65	491					
2	.68	.70	.67	.68	4	13	8	8	14	2	48	62	55	N 50	N 24	N 8	1036					
3	.68	.59	.60	.62	12	15	9	12	16	7	61	65	57	W 18	SW 30	W 44	569					
4	.47	.51	.62	.53	4	6	2	4	9	0	48	100	72	SW 18	N 36	N 28	686					
5	.67	.73	.72	.71	-1	9	10	6	11	-3	37	57	38	N 30	NW 25	W 44	657					
6	.65	.47	.47	.53	9	10	9	9	13	2	78	100	100	SW 36	SW 50	NW 16	969					
7	.42	.60	.64	.55	0	2	-4	-1	9	-4	100	100	100	N 37	NE 12	NE 14	733					
8	.72	.70	.70	.71	-6	-1	-4	-4	-1	-10	61	68	28	NE 9	N 2	N 16	291					
9	.77	.90	.93	.87	6	17	18	14	20	-10	28	49	37	N 18	NE 14	E 11	414					
10	.92	.93	.91	.92	17	22	17	19	23	16	83	86	67	N 28	SW 17	SW 20	442					
11	.88	.84	.85	.86	17	22	21	20	23	14	35	45	57	W 18	W 12	W 6	517					
12	.82	.72	.61	.72	15	18	15	16	21	14	65	53	65	SW 28	SW 30	SE 23	532					
13	.52	.53	.63	.56	8	9	7	8	15	7	100	100	100	NE 25	NE 6	N 2	526					
14	.74	.77	.75	.75	4	13	13	10	14	3	74	44	44	N 1	N 30	NW 24	51					
15	.83	.84	.86	.84	9	20	19	16	20	8	57	41	54	W 25	NW 24	N 22	655					
16	.90	.87	.84	.87	16	20	17	18	20	15	49	56	51	N 22	N 24	W 20	484					
17	.82	.70	.68	.73	14	20	13	16	21	13	46	41	81	W 16	S 6	0	498					
18	.74	.72	.73	.73	8	11	8	9	15	8	78	80	55	0	N 6	N 6	160					
19	.75	.72	.74	.74	4	13	20	12	20	4	74	44	70	NE 28	NE 8	0	316					
20	.66	.55	.65	.62	10	9	4	8	21	4	38	57	74	NW 40	NW 22	W 38	556					
21	.69	.61	.54	.61	2	10	6	6	12	2	72	80	52	W 44	SW 34	W 40	897					
22	.60	.62	.62	.61	0	12	16	9	16	0	70	61	33	N 24	N 44	NW 52	678					
23	.58	.54	.51	.54	14	17	8	13	20	8	64	51	55	W 40	W 40	W 40	995					
24	.52	.57	.62	.57	-7	-6	8	-2	9	-12	100	65	55	NE 48	N 35	NE 42	974					
25	.64	.47	.44	.52	4	5	4	4	10	0	74	75	100	W 10	NW 30	NW 27	674					
26	.43	.38	.39	.40	-10	-8	-10	-9	4	-12	54	58	54	N 24	N 16	N 24	592					
27	.38	.39	.44	.40	-22	-20	-24	-22	-10	-25	59	63	54	NE 30	N 24	0	459					
28	.41	.29	.32	.34	-24	-18	-21	-21	-17	-28	54	66	61	NW 30	NW 42	NW 44	499					
29	.47	.52	.51	.50	-15	-3	-4	-7	-3	-24	42	66	65	NE 52	NE 20	NE 30	1022					
30	.53	.56	.62	.57	2	5	4	4	6	-5	72	50	48	NE 36	NE 24	NW 20	758					
Means	.65	.63	.64	.64	3.1	8.1	6.4	5.9	12.1	-0.3	63	65	61	27	24	24	18131					

REMARKS.

Nov. 4. Snow, B. 10.15 A.M.; E. 5.40 P.M.
6. " B. 8.00 P.M.; E. 1.45 P.M. of 7th.

Nov. 7. Snow, B. 7.00 P.M.; E. D. N.
13. " B. D. N.; E. D. N.

NOVEMBER, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	K 5 NE	0	0	0	0	0	F	Cr	Cr
2	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
3	.	.	.	.	K 7 W	K 7 SW	0	0	0	0	F	F	Cr
4	.	.03	.01	.04	c 7	Hidden	0	s 3	N 10	0	Cy	LS	Cr
5	.	.	.	.	cs 8	cs 5 W	0	0	s 2	0	Cy	F	Cr
6	.	.	T	T	cs 5 N	Hidden	Hidden	s 5 SW	Fog	N 10	Cy	Fy	LS
7	.04	.02	.01	.07	Hidden	Hidden	Hidden	N 10	Haze	N 10	LS	HZ	LS
8	.05	.	.	.05	Hidden	Hidden	0	Haze	Haze	s 2	HZ	HZ	Cr
9	.	.	.	.	0	cs 5 N	0	0	0	s 3 E	Cr	F	Cr
10	.	.	.	.	Hidden	cs 5 N	0	s 10	s 5 SW	s 5 SW	Cy	Cy	F
11	.	.	.	.	cs 8 SW	0	0	0	0	0	Cy	Cr	Cr
12	.	.	.	.	K 5 SW	Hidden	K 7 SE	s 5 SW	s 10 SW	0	Cy	Cy	F
13	.04	.06	.04	.14	Hidden	Hidden	Hidden	N 10 NE	N 10	N 10	LS	LS	LS
14	.02	.	.	.02	0	0	0	0	0	0	Cr	Cr	Cr
15	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
16	.	.	.	.	K 7 N	0	c 7 W	0	0	0	F	Cr	F
17	.	.	.	.	c 5 W	K 3 S	Hidden	0	s 4 S	s 10	F	F	Cy
18	.04	.	.	.04	Hidden	K 7 N	0	s 10	0	0	Cy	F	Cr
19	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
20	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
21	.	.	.	.	0	c 5 SW	Hidden	0	s 5 SW	s 10 W	Cr	Cy	Cy
22	.	.	.	.	0	c 5 N	c 10 NW	0	0	0	Cr	F	F
23	.	.	.	.	c 7 W	c 3 W	0	0	0	0	F	Cr	Cr
24	.10	.03	.	.13	Hidden	0	0	N 10 NE	0	0	LS	Cr	Cr
25	.	.	.03	.03	Hidden	Hidden	Hidden	s 10 W	s 10 NW	N 10 NW	Cy	Cy	LS
26	.02	.	.	.02	K 5 N	Hidden	Hidden	0	s 10 N	s 10 N	F	Cy	Cy
27	.	.	.	.	c 7 NE	0	0	0	0	0	F	Cr	Cr
28	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
29	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
30	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
Total	.31	.14	.09	.54									

REMARKS.

Nov. 18. B. D. N.; E. D. N.
24. B. D. N.; E. 1.00 P.M.

Nov. 25. B. 7.00 P.M.; E. D. N.

DECEMBER, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						Movement. 24 Hours.
	Direction and Velocity in Miles per Hour.																			
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	.64	.60	.55	.60	7	11	8	9	14	3	54	40	55	NW 22	SW 30	SW 44	563			
2	.59	.63	.52	.58	7	11	8	9	12	4	54	40	55	W 42	SW 13	SW 20	1011			
3	.37	.27	.28	.31	3	4	-3	1	8	-3	100	74	100	N 9	NW 32	NE 9	389			
4	.27	.38	.44	.36	-11	-16	-22	-16	-2	-25	100	100	20	N 34	NW 12	NE 24	589			
5	.42	.56	.71	.56	-20	-7	7	-7	7	-26	27	19	31	N 36	NE 20	SE 14	700			
6	.74	.75	.76	.75	9	11	10	10	14	3	36	20	18	NW 32	NW 30	W 24	784			
7	.79	.87	.91	.86	11	14	14	13	15	4	40	11	11	NW 12	W 32	W 29	495			
8	.89	.87	.86	.87	12	15	13	13	20	10	23	14	10	W 16	SW 11	SW 23	531			
9	.84	.86	.93	.88	14	20	20	18	21	11	11	13	13	NW 20	NW 8	E 14	397			
10	.92	.95	.99	.95	22	23	18	21	27	11	45	60	68	N 15	NE 8	0	309			
11	.96	.92	.92	.93	19	26	22	22	28	13	69	28	72	SW 16	SW 29	SW 24	326			
12	.92	.94	.98	.95	13	17	10	13	22	10	44	51	58	S 8	0	0	346			
13	.96	.92	.92	.93	10	17	13	13	18	8	38	35	62	SW 10	SW 16	SW 10	239			
14	.86	.82	.79	.82	21	23	20	21	24	10	43	47	56	NW 14	NW 26	NW 28	410			
15	.80	.79	.82	.80	22	28	19	23	30	17	58	54	54	NW 20	SW 10	SW 14	430			
16	.76	.72	.72	.73	12	20	18	17	20	12	61	70	100	S 12	0	0	225			
17	.68	.70	.70	.69	7	10	9	9	18	6	77	58	57	NW 1	NW 18	NW 26	157			
18	.73	.71	.71	.72	12	18	15	15	21	7	61	53	65	NW 20	S 10	SE 20	440			
19	.68	.65	.66	.66	6	13	9	9	15	5	76	62	57	SE 1	SE 8	0	308			
20	.65	.66	.63	.65	6	14	6	9	15	3	76	46	52	SW 2	S 12	S 16	134			
21	.59	.52	.54	.55	3	8	4	5	12	3	73	55	48	SW 14	NW 12	NW 8	331			
22	.52	.50	.51	.51	-1	4	4	2	6	-2	68	74	74	NW 16	NW 20	NW 30	273			
23	.57	.64	.65	.62	3	11	12	9	13	3	73	60	61	W 22	W 12	0	516			
24	.69	.73	.75	.72	6	14	12	11	15	4	52	28	61	SE 2	S 14	S 20	138			
25	.68	.59	.50	.59	5	10	8	8	13	5	75	79	100	S 36	S 36	S 24	679			
26	.43	.36	.33	.37	-5	-3	-7	-5	8	-8	63	66	59	S 23	NE 18	NE 20	667			
27	.39	.40	.41	.40	-11	2	-8	-6	3	-12	52	72	58	NW 3	0	N 10	270			
28	.44	.45	.44	.44	-14	-10	-12	-12	-8	-15	73	75	100	0	N 6	N 15	65			
29	.47	.45	.45	.46	-12	-9	-12	-11	-8	-14	100	56	75	0	0	0	126			
30	.52	.52	.50	.52	-14	-7	-11	-11	-7	-18	73	59	75	0	W 16	W 12	240			
31	.48	.47	.42	.46	-12	-4	-2	-6	-2	-12	75	67	67	S 20	S 24	SW 32	403			
Means	.65	.65	.65	.65	4.2	9.3	6.5	6.6	12.6	0.5	60	51	58	15	16	16	12491			

REMARKS.

Dec. 3. Snow, { B. D. N.; E. 9.40 A.M.
 { B. 6.10 P.M.; E. 6.15 P.M. of 4th.

Dec. 16. Snow, B. 7.00 P.M.; E. D. N.
25. " B. 7.00 P.M.; E. D. N.

DECEMBER, 1877.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.			
					Upper.			Lower.						
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.	.	.	.	0	0	0	0	0	0	0	Cr	Cr	Cr
2	.	.	.	.	0	K 8 SW	K 5 SW	0	0	0	0	Cr	Cy	F
3	T	.01	.01	.02	Hidden	0	Hidden	N 10	S 8 NW	N 10	0	LS	Cy	LS
4	.06	.08	.02	.16	Hidden	Hidden	0	N 10	N 10	0	0	LS	LS	Cr
5	.	.	.	.	0	0	0	0	0	0	0	Cr	Cr	Cr
6	.	.	.	.	CS 5 NE	CS 10 NW	0	S 3 NW	0	0	0	Cy	Cy	Cr
7	.	.	.	.	CS 7 N	CS 2 N	0	0	0	0	0	Cy	Cr	Cr
8	.	.	.	.	CS 8 S	CK 10 S	CS 2 S	0	0	0	0	Cy	Cy	Cr
9	.	.	.	.	CS 3	CS 10 W	0	0	0	0	0	F	Cy	Cr
10	.	.	.	.	CS 5	CS 2	0	0	0	0	0	F	Cr	Cr
11	.	.	.	.	CS 5	CK 8 SW	0	0	0	0	0	F	Cy	Cr
12	.	.	.	.	0	0	0	0	0	0	0	Cr	Cr	Cr
13	.	.	.	.	0	0	0	0	0	0	0	Cr	Cr	Cr
14	.	.	.	.	CS 3 N	0	0	0	0	0	0	Cr	Cr	Cr
15	.	.	.	.	CS 2	K 5 SW	0	0	0	0	0	Cr	F	Cr
16	.	.	.04	.04	CS 3	Hidden	Hidden	S 3 S	S 10	N 10	0	F	Cy	HS
17	.03	.	.	.03	CS 5	0	0	0	0	0	0	F	Cr	Cr
18	.	.	.	.	K 3	K 8 S	C 7 SE	0	0	0	0	Cr	Cy	F
19	.	.	.	.	C 5	K 10 SE	C 7	S 5 SE	0	0	0	Cy	F	F
20	.	.	.	.	CS 10 W	0	C 7 S	0	0	0	0	Cy	Cr	F
21	.	.	.	.	CS 10 N	C 7 NW	0	0	0	0	0	Cy	F	Cr
22	.	.	.	.	CS 8 N	0	0	0	0	0	0	Cy	Cr	Cr
23	.	.	.	.	CS 5 N	0	0	0	Haze	0	0	F	Cr	Cr
24	.	.	.	.	0	0	0	Haze	Haze	0	0	Cr	Cr	Cr
25	.	.	.02	.02	0	C 7 S	Hidden	0	0	N 10 S	0	Cr	F	LS
26	.02	.	.	.02	Hidden	Hidden	C 7 NE	S 10 S	S 10 NE	0	0	Cy	Cy	F
27	.02	.	.	.02	Hidden	K 7	Hidden	S 10 NW	0	S 10 N	0	Cy	F	Cy
28	.	.	.06	.06	C 10 NE	Hidden	Hidden	0	S 10 N	N 10	0	F	Cy	LS
29	.04	T	.	.04	Hidden	K 7	0	N 10	0	0	0	LS	F	Cr
30	.	.	.	.	0	0	0	0	0	0	0	Cr	Cr	Cr
31	.	.	.	.	0	0	0	0	0	0	0	Cr	Cr	Cr
Total	.17	.09	.15	.41										

REMARKS.

Dec. 27. Snow, B. D. N.; E. D. N.

Dec. 28. Snow, B. 5.00 P.M.; E. 9.00 A.M. of 29th.

JANUARY, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.47	.48	.47	.47	-16	-11	-12	-13	-2	-17	69	52	50	NW 14	NW 8	NW 10	400
2	.46	.35	.29	.37	-15	-6	-10	-10	-6	-17	42	61	54	W 28	W 35	W 16	315
3	.33	.32	.33	.33	-11	-5	-12	-9	-3	-13	52	63	75	NW 16	NW 34	NW 28	582
4	.39	.45	.46	.43	-11	-3	-5	-6	-2	-13	52	66	63	NW 30	NW 33	NW 40	688
5	.50	.57	.59	.55	-5	1	-1	-2	2	-7	63	42	37	NW 38	NW 30	NW 26	874
6	.59	.59	.57	.58	-1	5	1	2	6	-3	37	50	42	NE 12	NW 7	NW 6	565
7	.58	.54	.53	.55	0	5	4	3	6	-2	39	50	48	W 8	N 18	NE 22	219
8	.53	.54	.59	.55	-1	4	2	2	6	-2	68	74	72	NW 20	NW 34	NW 33	528
9	.60	.69	.72	.67	2	7	7	5	10	-1	72	54	54	NW 78	NW 12	NW 8	1158
10	.71	.52	.46	.56	8	15	8	10	16	6	55	30	55	W 10	W 28	NW 28	219
11	.39	.34	.36	.36	5	7	0	4	9	0	75	77	100	SW 18	SW 15	0	515
12	.47	.47	.47	.47	-12	-10	-13	-12	0	-13	100	54	47	N 17	N 17	N 21	298
13	.50	.55	.54	.53	-16	-10	2	-8	2	-17	70	54	44	N 22	N 18	NW 12	463
14	.58	.57	.56	.57	-3	5	4	2	5	-4	66	75	74	N 6	N 6	0	297
15	.61	.60	.64	.62	4	9	7	7	10	4	74	57	77	0	NE 10	NE 4	153
16	.70	.68	.66	.68	5	15	10	10	16	4	50	48	58	0	NW 10	SW 22	184
17	.60	.51	.50	.54	6	9	6	7	10	6	76	57	100	N 14	0	NE 20	335
18	.55	.48	.57	.53	3	6	0	3	7	0	100	100	70	NE 27	NE 38	NW 10	470
19	.56	.51	.48	.52	-4	1	-4	-2	2	-5	65	71	65	N 12	NW 58	NW 36	479
20	.54	.58	.63	.58	-10	-5	-5	-7	-4	-10	76	63	63	N 34	N 28	N 14	794
21	.75	.72	.72	.73	-4	5	7	3	7	-6	65	75	54	NE 18	W 22	NW 10	396
22	.74	.76	.70	.73	8	13	12	11	16	6	55	44	42	NW 16	W 24	SW 75	366
23	.61	.52	.52	.55	10	10	0	7	12	0	38	58	70	W 58	W 40	W 44	1146
24	.56	.58	.60	.58	-3	3	4	1	4	-3	66	46	48	NW 36	NW 18	NW 24	900
25	.58	.48	.45	.50	5	12	7	8	13	3	75	61	77	SW 22	S 18	0	568
26	.51	.57	.61	.56	3	3	0	2	7	0	100	46	70	E 18	NE 11	0	376
27	.64	.63	.69	.65	2	5	10	6	10	-2	72	50	58	NW 39	NW 28	NW 16	429
28	.56	.42	.35	.44	7	7	-3	4	10	-3	31	77	100	W 35	W 50	W 46	890
29	.46	.50	.60	.52	-6	-2	-7	-5	-2	-7	78	74	59	N 37	N 26	NW 4	1003
30	.60	.56	.45	.54	4	18	10	11	18	-9	74	37	38	NE 25	NW 22	W 36	481
31	.42	.40	.44	.42	5	6	4	5	10	3	50	76	74	N 22	N 10	N 12	643
Means	.55	.53	.53	.54	-1.3	3.8	1.1	1.3	6.3	-3.9	65	59	63	24	23	20	16734

REMARKS.

Jan. 11. Snow, { B. 8.00 A.M.; E. 1.40 P.M.
 { B. 8.00 P.M.; E. 1.00 P.M. of 12th.

Jan. 17. Snow, B. 7.00 P.M.; E. 4.00 P.M. of 18th.
28. " B. D. N.; E. 9.00 A.M.

JANUARY, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	0	0	0	0	0	Cr	Cr	Cr
2	0	0	0	0	0	0	Cr	Cr	Cr
3	0	0	0	0	0	0	Cr	Cr	Cr
4	0	0	0	0	0	0	Cr	Cr	Cr
5	0	0	0	0	0	0	Cr	Cr	Cr
6	0	0	0	0	0	0	Cr	Cr	Cr
7	0	0	0	0	0	0	Cr	Cr	Cr
8	0	0	0	0	KS 5 NW	KS 5 NW	Cr	F	F
9	0	0	0	0	0	0	Cr	Cr	Cr
10	K 5 W	0	0	0	0	0	F	Cr	Cr
11	.	.02	.02	.04	Hidden	K 8 SW	Hidden	s 10	0	N 10	Cy	Cy	LS
12	.02	.02	.	.04	Hidden	K 7 N	0	N 10	0	0	LS	F	Cr
13	0	0	0	0	0	0	Cr	Cr	Cr
14	0	0	0	0	0	0	Cr	Cr	Cr
15	0	0	0	0	0	0	Cr	Cr	Cr
16	0	0	c 7 SW	0	0	0	Cr	Cr	F
17	.	.	.01	.01	c 7 N	c 7 N	Hidden	0	0	N 10 NE	F	F	LS
18	.04	.02	.02	.08	Hidden	Hidden	K 5 NW	N 10	N 10 NE	0	LS	LS	F
19	0	0	c 7 NW	0	0	0	Cr	Cr	F
20	0	K 5 N	0	0	0	0	Cr	F	Cr
21	0	0	0	0	0	0	Cr	Cr	Cr
22	0	0	c 7 SW	Haze	Haze	0	Cr	Cr	F
23	c 7 W	0	c 10 W	0	0	Haze	F	Cr	Cy
24	0	0	0	0	0	0	Cr	Cr	Cr
25	c 5 SW	K 5 S	Hidden	s 5 SW	s 7 S	s 10	Cy	Cy	Cy
26	.04	.03	.	.07	Hidden	K 5 NE	0	N 10	0	0	LS	F	Cr
27	K 5 NW	K 5 NW	c 7 NW	0	0	Haze	F	F	F
28	.	.	.03	.03	c 5 W	Hidden	Hidden	0	s 10 W	N 10 W	F	Cy	LS
29	.02	.	.	.02	0	K 5 N	0	0	0	0	Cr	F	Cr
30	c 7 NE	c 7 NW	0	0	0	0	F	F	Cr
31	K 5 NE	Hidden	Hidden	0	s 10 N	s 10 N	F	Cy	Cy
Total	.12	.09	.08	.29									

REMARKS.

Jan. 28. Snow, B. 8.00 P.M.; E. D. N.

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FEBRUARY, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.				
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42		P.M. 9.07			
	1	.52	.58	.61	.57	- 3	3	- 2	- 1	6	- 4	66	73	100	0		N	5	N	10
2	.66	.64	.64	.65	- 6	- 3	- 5	- 5	- 2	- 6	61	66	63	N	5	N	14	N	24	162
3	.71	.72	.75	.73	2	7	9	6	9	- 2	44	31	36	NW	12	N	20	E	16	454
4	.71	.62	.60	.64	8	14	9	10	15	5	33	28	36	NW	23	W	19	NW	27	547
5	.33	.17	.34	.28	3	10	4	6	11	2	46	58	100	SW	31	SW	14	W	7	787
6	.45	.47	.47	.46	0	7	3	3	8	- 2	70	31	46	NW	11	N	16	NW	36	262
7	.38	.30	.35	.34	- 3	2	- 3	- 1	3	- 5	66	100	100	W	16	N	44	N	44	520
8	.31	.30	.35	.32	- 7	- 5	- 7	- 6	- 1	- 10	100	100	100	NE	16	NE	44	NE	41	883
9	.34	.31	.36	.34	- 12	- 9	- 12	- 11	- 3	- 15	100	100	100	N	25	N	20	NE	24	996
10	.39	.37	.42	.39	- 10	- 11	- 9	- 10	- 5	- 19	54	52	56	N	19	NW	24	NW	34	651
11	.51	.46	.45	.47	0	8	8	5	10	- 9	70	33	55	NW	35	W	31	N	10	850
12	.40	.30	.38	.36	6	7	0	4	10	0	52	100	100	NW	16	W	18	W	16	367
13	.33	.33	.26	.31	- 4	2	- 2	- 1	3	- 4	65	44	100	N	36	W	24	W	32	540
14	.30	.39	.45	.38	- 5	- 3	- 1	- 3	- 1	- 6	63	66	37	N	36	NW	28	W	40	795
15	.44	.41	.46	.44	0	3	- 2	0	4	- 2	39	46	67	W	37	W	40	W	47	880
16	.47	.49	.48	.48	- 3	5	2	1	6	- 4	66	50	44	W	25	W	20	W	20	883
17	.58	.69	.77	.68	4	13	12	10	14	1	48	26	42	NW	60	N	24	W	30	971
18	.67	.58	.53	.59	12	10	7	10	13	7	42	38	54	NW	26	W	30	W	32	660
19	.44	.40	.34	.39	5	13	12	10	14	4	50	62	100	W	26	SW	10	S	10	715
20	.39	.44	.47	.43	1	2	- 4	0	12	- 4	100	100	65	N	25	NW	24	NW	14	447
21	.39	.38	.37	.38	- 2	3	- 2	0	4	- 4	67	73	67	NW	7	W	8	W	8	323
22	.45	.51	.53	.50	- 4	1	- 5	- 3	2	- 5	100	100	100	S	9	S	13	W	12	218
23	.54	.48	.49	.50	- 9	- 4	- 3	- 5	- 2	- 9	56	65	66	NW	22	NW	32	NW	26	380
24	.54	.53	.61	.56	- 2	12	11	7	13	- 6	67	42	40	NW	20	NW	25	NW	28	571
25	.66	.63	.67	.65	8	18	11	12	19	6	55	37	60	SE	22	SW	25	W	12	497
26	.71	.70	.66	.69	7	16	8	10	17	7	77	33	55	SE	8	S	20	SW	24	333
27	.62	.60	.57	.60	6	17	9	11	18	6	52	35	57	W	24	S	18	SW	13	471
28	.41	.38	.38	.39	5	14	12	10	15	4	75	100	100	W	32	S	7	S	5	504
Means	.49	.47	.49	.48	- 0.1	5.4	2.1	2.5	7.6	- 2.6	64	60	69	22	22	23				15890

REMARKS.

Feb. 1. Snow, B. 3.00 P.M.; E. D. N.
5. " B. 7.35 P.M.; E. D. N.

Feb. 7. Snow, B. 12.15 P.M.; E. D. N. of 9th.
12. " B. 2.10 P.M.; E. D. N.

FEBRUARY, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07						
1	.	.	.06	.06	K 5	K 7 N	Hidden	0	0	N 10 N	F	F	LS			
2	.02	.	.	.02	0	0	0	0	0	0	Cr	Cr	Cr			
3	.	.	.	.	CS 3 N	CS 8 N	0	0	0	0	F	Cy	Cr
4	.	.	.	.	c 8	0	0	0	0	0	Cy	Cr	Cr
5	.	.	.02	.02	CS 3 N	Hidden	Hidden	s 5 SW	s 10	N 10	Cy	Cy	HS			
6	.07	.	.	.07	CS 3	CS 5	CS 8	0	0	0	Cr	F	Cy			
7	.	T	.05	.05	c 5	Hidden	Hidden	s 3	N 10	N 10	Cy	LS	LS			
8	.12	.08	.13	.33	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	HS			
9	.15	.06	.08	.29	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS			
10	.03	.	.	.03	0	0	CS 5	0	0	0	Cr	Cr	F			
11	.	.	.	.	CS 10	c 3	CK 3	0	0	0	Cy	Cr	Cr
12	.	T	.01	.01	CS 8	Hidden	Hidden	0	N 10 SW	N 10	Cy	LS	LS			
13	.01	.	.02	.03	0	K 5 W	Hidden	0	0	N 10	Cr	F	LS			
14	.01	.	.	.01	K 5 N	K 7 NW	0	0	0	0	F	F	Cr			
15	.	.	.	.	Hidden	0	0	s 10 W	0	0	Cy	Cr	Cr
16	.	.	.	.	K 5 W	K 7 W	0	s 5 W	0	0	Cy	F	Cr
17	.	.	.	.	CS 3	0	c 7 W	0	0	0	F	Cr	F
18	.	.	.	.	c 7 W	K 5 W	0	0	0	0	F	F	Cr
19	.	.	.01	.01	c 7 W	0	Hidden	Haze	s 8 SW	N 10 s	F	Cy	LS			
20	.12	.02	.01	.15	Hidden	Hidden	0	N 10	N 10	0	LS	LS	Cr			
21	.	.	.	.	K 7 NW	K 7 W	K 7	0	0	0	F	F	F
22	.02	.09	.12	.23	Hidden	Hidden	Hidden	N 10	N 10	N 10 W	LS	LS	LS			
23	.04	.	.	.04	0	0	0	0	0	0	Cr	Cr	Cr			
24	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
25	.	.	.	.	c 5 s	c 7 SW	0	0	0	0	F	F	Cr
26	.	.	.	.	c 5	0	0	0	0	0	F	Cr	Cr
27	.	.	.	.	0	K 5 SW	0	0	0	Haze	Cr	F	Cr
28	.	.04	.06	.10	Hidden	Hidden	Hidden	s 10 W	N 10	N 10	Cy	LS	LS			
Total	.59	.29	.57	1.45												

REMARKS.

Feb. 13. Snow, B. 8.00 P.M.; E. D. N.

19. " B. 8.00 P.M.; E. 4.00 P.M. of 20th.

Feb. 21. Snow, B. D. N.; E. D. N. of 22d.

28. " B. 10.30 A.M.; E. 8.30 P.M. of Mar. 1st.

MARCH, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			24 Hours. Movement.	
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42		P.M. 9.07
1	.39	.42	.58	.46	6	5	-4	2	12	-4	100	100	65	N 16	N 50	N 42	266
2	.54	.60	.68	.61	-9	-3	-4	-5	-2	-10	56	66	65	N 34	N 48	N 56	940
3	.72	.81	.81	.78	-2	10	10	6	11	-4	67	58	58	NE 52	N 28	W 24	984
4	.60	.58	.58	.59	8	16	9	11	18	7	78	66	78	W 60	SW 44	SW 52	973
5	.57	.57	.58	.57	3	14	4	7	15	2	73	64	74	NW 48	SW 20	SW 60	887
6	.57	.61	.63	.60	3	13	10	9	15	1	46	62	58	SW 56	W 40	W 30	1105
7	.35	.21	.13	.23	5	13	2	7	14	0	75	81	100	SW 60	SW 40	SW 10	927
8	.00	.17	.21	.13	-18	-3	-16	-12	2	-21	100	100	100	NW 64	NW 62	NW 64	1156
9	.22	.29	.31	.27	-14	-6	-11	-10	-2	-16	100	61	52	NW 48	NW 22	NW 38	1149
10	.24	.28	.28	.27	-11	-3	-7	-7	-2	-13	52	66	59	NW 42	NW 24	NW 16	786
11	.28	.30	.32	.30	-8	-2	-4	-5	-2	-10	58	100	65	NW 18	W 32	W 20	555
12	.41	.50	.49	.47	-5	5	5	2	6	-7	63	75	75	N 14	N 24	N 40	611
13	.56	.61	.66	.61	7	12	9	9	14	4	54	42	78	NW 24	NW 22	W 25	687
14	.72	.73	.76	.74	6	15	13	11	17	5	52	30	26	N 8	W 24	W 34	398
15	.88	.90	.90	.89	14	22	20	19	24	12	33	45	56	NW 16	N 16	NW 26	565
16	.89	.87	.87	.88	16	25	17	19	26	15	66	50	67	NW 12	W 11	W 16	412
17	.85	.81	.78	.81	14	28	17	20	29	13	64	43	51	NW 27	SW 20	SW 27	470
18	.76	.71	.70	.72	14	28	17	20	29	14	46	54	100	S 12	E 6	E 9	430
19	.74	.81	.85	.80	11	29	17	19	30	11	60	56	51	NE 8	W 4	W 12	186
20	.88	.86	.87	.87	14	28	18	20	29	12	46	32	53	NE 11	NW 8	NW 8	190
21	.89	.86	.87	.87	17	30	17	21	31	16	51	36	51	NE 12	S 10	S 10	262
22	.88	.87	.87	.87	16	31	17	21	32	15	49	48	51	SE 21	S 7	S 5	309
23	.89	.89	.91	.90	15	23	16	18	24	14	48	34	49	NE 14	NE 6	NE 4	220
24	.90	.83	.74	.82	12	28	18	19	30	11	61	54	37	NE 4	SW 15	SW 32	181
25	.70	.64	.59	.64	14	28	19	20	30	12	64	43	54	N 24	SW 14	SW 16	589
26	.43	.33	.32	.36	16	16	15	16	24	14	49	100	100	S 12	SE 10	NE 28	281
27	.40	.45	.51	.45	10	14	14	11	15	9	100	64	100	NW 5	NW 24	NW 16	314
28	.50	.40	.39	.43	10	13	7	10	14	7	100	100	100	NW 14	SW 23	W 7	401
29	.36	.33	.44	.38	5	6	4	5	7	4	100	100	74	NE 22	N 30	N 20	416
30	.58	.60	.62	.60	4	15	12	10	16	3	74	48	61	N 23	0	0	561
31	.65	.67	.65	.66	11	14	12	12	15	8	100	64	80	0	0	0	68
Means	.59	.60	.61	.60	5.9	15.0	8.8	9.8	16.8	4.0	67	63	67	25	22	24	17279

REMARKS.

Mar. 7. Snow, B. 7.30 P.M.; E. 8.30 A.M. of 9th.
11. " B. 11.30 A.M.; E. 7.30 P.M.

Mar. 19. Snow, B. 4.00 P.M.; E. 6.00 P.M.
26. " B. 12.20 P.M.; E. 1.20 P.M. of 27th.

MARCH, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.09	.14	.04	.27	Hidden	Hidden	K 5 W	N 10	N 10	0	LS	LS	F
2	Hidden	K 5 N	0	S 10 N	0	0	Cy	F	Cr
3	0	0	0	0	0	0	Cr	Cr	Cr
4	0	CK 5 W	0	0	0	0	Cr	F	Cr
5	0	K 5 SW	K 5 SW	0	0	0	Cr	F	F
6	0	CK 7	0	0	0	0	Cr	F	Cr
7	.	.	.02	.02	Hidden	Hidden	Hidden	S 10	S 10	N 10	Cy	Cy	LS
8	.94	.15	.02	1.11	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
9	.05	.14	.	.19	Hidden	0	0	N 10	KS 8 NW	0	LS	Cy	Cr
10	0	Hidden	0	0	S 10 NW	0	Cr	Cy	Cr
11	.	.04	.02	.06	C 3 NW	Hidden	K 5 W	0	N 10 NW	0	Cr	LS	F
12	CK 5 W	0	0	0	0	0	F	Cr	Cr
13	C 5 NW	K 10 NW	Hidden	0	0	S 10 W	F	Cy	Cy
14	K 7 N	0	K 5 W	0	0	S 5 W	F	Cr	Cy
15	K 7 NW	K 5 N	C 7 NW	0	S 5 N	0	F	Cy	F
16	C 7 NW	C 7 W	K 7 W	0	0	0	F	F	F
17	C 7 NW	C 7 SW	C 10 SW	0	0	0	F	F	F
18	C 7 S	K 7 E	Hidden	0	0	Fog	F	F	Fy
19	.	.	.01	.01	C 7 N	K 10 W	C 7 W	0	0	0	F	Cy	F
20	0	C 7 NW	0	0	0	0	Cr	F	Cr
21	0	C 7 S	0	0	0	0	Cr	F	Cr
22	C 7 SE	C 7 S	0	0	0	0	F	F	Cr
23	0	0	0	0	Haze	Haze	Cr	Cr	Cr
24	0	C 5 S	C 7 SW	0	S 5 S	0	Cr	Cy	F
25	K 7 N	K 7 SW	Hidden	0	0	S 10 SW	F	F	Cy
26	.	.09	.40	.49	K 5 S	Hidden	Hidden	0	N 10 SE	N 10 SE	F	LS	LS
27	.09	.06	.	.15	Hidden	Hidden	Hidden	N 10 NW	S 10 SW	Fog	LS	Cy	Fy
28	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
29	Hidden	Hidden	0	Fog	Fog	0	Fy	Fy	Cr
30	0	C 7 W	K 7	0	0	0	Cr	F	F
31	.40	.40	.	.80	Hidden	Hidden	Hidden	N 10	S 10	S 10	LS	Cy	Cy
Total	1.57	1.02	.51	3.10									

REMARKS.

Mar. 31. Snow, B. D. N.; E. 11.00 A.M.

APRIL, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Movement.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.70	.71	.71	.71	4	11	8	8	13	3	74	80	100	NE 6	E 4	NE 16	130		
2	.68	.67	.67	.67	7	15	9	10	15	5	100	100	100	NE 16	NE 16	NE 20	286		
3	.66	.71	.74	.70	7	13	11	10	14	6	100	44	40	NE 20	NW 20	NW 20	365		
4	.77	.82	.83	.81	8	19	16	14	22	6	55	39	49	N 16	NW 18	NE 14	426		
5	.78	.81	.81	.80	16	26	21	21	29	14	66	52	57	N 12	W 5	0	365		
6	.72	.67	.65	.68	17	26	20	21	27	15	67	52	56	W 16	W 28	W 4	277		
7	.60	.58	.54	.57	15	19	18	17	29	13	30	54	37	SW 12	NE 2	N 1	272		
8	.21	.21	.21	.21	14	21	1	12	23	0	46	86	100	N 36	SW 36	N 36	362		
9	.25	.32	.39	.32	- 4	- 1	- 7	- 4	1	- 10	100	100	100	NW 14	NW 10	N 11	537		
10	.37	.51	.59	.49	- 14	4	1	- 3	12	- 19	42	22	42	N 34	NW 38	N 40	602		
11	.60	.65	.69	.65	7	23	13	14	25	- 9	31	34	26	NW 20	NW 9	NW 40	856		
12	.66	.63	.58	.62	18	24	17	20	25	- 2	22	61	35	SW 40	SW 17	SW 30	758		
13	.49	.44	.44	.46	12	19	16	19	27	3	42	100	100	SW 26	SW 36	SW 16	552		
14	.40	.39	.35	.38	8	17	13	13	18	6	33	100	100	SW 20	SW 35	SW 16	514		
15	.30	.34	.45	.36	3	5	1	3	7	- 1	100	100	71	SW 28	SW 50	SW 38	448		
16	.47	.43	.33	.41	3	15	12	10	16	- 1	73	100	100	S 38	SW 26	SW 40	940		
17	.10	.15	.17	.14	- 6	- 2	- 6	- 5	12	- 9	61	67	100	NW 54	NW 28	NW 44	845		
18	.17	.32	.41	.30	- 8	6	5	1	7	- 9	100	52	50	NW 36	W 44	W 52	760		
19	.51	.63	.65	.60	6	20	13	13	21	4	52	41	44	SW 18	SW 22	SW 24	787		
20	.58	.53	.43	.51	13	25	15	18	26	10	62	50	48	SW 44	SW 38	SW 30	830		
21	.42	.38	.39	.40	4	4	- 2	2	15	- 3	100	100	67	SW 6	W 40	W 40	616		
22	.41	.48	.53	.47	2	13	7	7	15	- 4	72	62	77	W 22	W 6	E 3	723		
23	.58	.62	.67	.62	8	15	8	10	16	4	100	48	55	N 18	NW 16	N 22	271		
24	.67	.74	.77	.73	8	21	12	14	22	7	55	43	61	N 6	N 3	S 10	385		
25	.76	.75	.76	.76	10	25	17	17	28	9	58	62	67	W 28	SW 16	SW 8	357		
26	.76	.76	.75	.76	18	26	17	20	27	16	53	75	67	E 6	SE 13	SW 23	170		
27	.71	.73	.74	.73	16	26	18	20	27	14	66	40	68	SW 10	SW 16	NW 16	333		
28	.78	.81	.82	.80	14	24	21	20	25	11	46	61	100	SW 10	NW 14	NW 16	239		
29	.79	.79	.83	.80	22	33	24	26	34	15	57	42	45	N 35	W 20	W 28	494		
30	.74	.72	.69	.72	24	23	22	23	28	20	61	73	100	SW 32	SW 43	SW 32	486		
Means	.55	.58	.59	.57	8.4	17.0	11.4	12.4	20.2	3.8	64	65	69	23	22	23	15086		

REMARKS.

April 1. Snow, B. 8.15 P.M. ; E. 11.30 A.M. of 3d.
 7. Hail, B. 10.40 A.M. ; E. 12 M.
 8. Snow, B. 3.10 P.M. ; E. D. N. of 9th.

April 13. Snow, B. 11.45 A.M. ; E. D. N.
 14. " B. 2.20 P.M. ; E. 5.10 P.M. of 15th.
 16. " B. 2.10 P.M. ; E. D. N.

APRIL, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.01	.01	0	K 7 E	Hidden	0	0	N 10 NE	Cr	F	LS
2	.04	.08	.09	.21	Hidden	Hidden	Hidden	N 10 NE	N 10 NE	N 10 NE	LS	LS	LS
3	.14	.02	.	.16	Hidden	C 5 N	0	N 10 NE	0	0	LS	F	Cr
4	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
6	.	.	.	.	0	K 5 W	Hidden	0	0	S 10 W	Cr	F	Cy
7	.	T	.	T	CS 3	CS 5 N	0	0	0	0	Cr	F	Cr
8	.	.	.57	.57	CS 5 NW	Hidden	Hidden	0	S 10 SW	N 10	F	Cy	LS
9	.27	.16	.07	.50	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
10	.10	.	.	.10	0	CS 3 W	CS 10 N	Haze	0	0	Cr	Cr	Cy
11	.	.	.	.	C 3 N	K 5 W	0	0	0	0	Cr	F	Cr
12	.	.	.	.	C 3 N	0	0	0	S 8 SW	0	Cr	Cy	Cr
13	.	.03	.32	.35	0	Hidden	Hidden	0	N 10	N 10	Cr	LS	LS
14	.13	T	.12	.25	0	Hidden	Hidden	0	N 10	N 10	Cr	LS	LS
15	.34	.14	.04	.52	Hidden	Hidden	0	N 10	N 10	0	LS	LS	Cr
16	.	.01	.24	.25	K 5 S	Hidden	Hidden	0	N 10	N 10	F	LS	LS
17	.14	.	.15	.29	C 5 NW	K 5 NW	Hidden	0	0	N 10	F	F	LS
18	.24	T	.	.24	Hidden	K 7 W	0	N 10	0	0	LS	F	Cr
19	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
20	.	.	.	.	0	0	K 5 SW	0	0	0	Cr	Cr	F
21	.09	.14	.06	.29	Hidden	Hidden	0	N 10	N 10	0	LS	LS	Cr
22	.	.	.	.	0	K 5 W	Hidden	0	0	S 10 E	Cr	F	Cy
23	.04	.08	.	.12	Hidden	K 5 NW	0	N 10	0	0	LS	F	Cr
24	.	.	.	.	K 5 N	K 10 N	0	0	0	0	F	Cy	Cr
25	.	.	.	.	0	K 5 SW	K 5 SW	0	S 5 SW	S 5 SW	Cr	Cy	Cy
26	.	.	.06	.06	0	K 5 SE	K 5 SW	0	S 5 SE	0	Cr	Cy	F
27	.	.	.	.	K 7 SW	K 5 SW	0	0	S 5 SW	0	F	Cy	Cr
28	.	.	.06	.06	0	K 5 NW	Hidden	0	S 5 NW	N 10	Cr	Cy	LS
29	.04	.	.	.04	K 3 N	CK 8 SW	K 8 SW	0	0	0	Cr	Cy	Cy
30	.	.	.09	.09	CS 8 SW	Hidden	Hidden	0	S 10	N 10	Cy	Cy	LS
Total	1.57	.66	1.88	4.11									

REMARKS.

April 17. Snow, B. 7.30 P.M.; E. 8.20 A.M. of 18th.

21. " B. D. N.; E. 8.20 P.M.

23. " B. D. N.; E. 1.20 P.M.

April 26. Snow, B. 3.00 P.M.; E. 8.00 P.M.

28. Hail and Snow, B. 3.30 P.M.; E. D. N.

30. Snow, B. 3.35 P.M.; E. D. N.

MAY, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.64	.60	.60	.61	20	20	13	18	24	10	56	100	44	SW 28	SW 36		SW 44	742
2	.57	.61	.68	.62	10	12	4	9	15	3	100	100	100	W 24	NE 12	NE 12	866
3	.72	.76	.80	.76	3	9	7	6	10	0	46	78	54	N 8	N 24	N 40	258
4	.76	.81	.84	.80	14	23	19	19	24	5	28	60	54	N 60	NW 16	W 16	933
5	.73	.72	.68	.71	17	30	24	24	33	15	51	68	48	NW 40	W 28	W 28	575
6	.58	.62	.66	.62	19	29	24	24	30	16	54	78	100	SW 50	SW 20	SW 8	946
7	.57	.69	.78	.68	12	16	12	13	24	9	100	100	61	SW 28	N 18	N 12	474
8	.86	.88	.90	.88	12	24	18	18	27	9	61	48	100	NW 8	W 23	W 8	255
9	.90	.92	.93	.92	15	24	17	19	26	14	48	48	51	NW 4	NW 4	NW 15	203
10	.88	.89	.89	.89	14	26	20	20	27	13	46	52	70	NW 10	NW 22	W 14	221
11	.87	.87	.86	.87	18	28	23	23	29	17	68	43	60	N 34	W 20	W 7	502
12	.79	.70	.76	.75	24	22	18	21	26	18	100	100	37	W 28	W 38	NW 26	391
13	.73	.72	.76	.74	16	23	19	19	30	13	66	47	39	W 40	W 18	NW 20	690
14	.77	.74	.70	.74	20	27	23	23	30	15	56	88	100	NW 14	SW 32	SW 33	433
15	.58	.65	.72	.65	17	22	17	19	24	12	35	58	35	W 36	W 18	W 36	862
16	.64	.61	.53	.59	22	24	21	22	30	13	58	87	100	SW 36	SW 40	SW 52	841
17	.45	.46	.46	.46	18	24	16	19	30	15	37	87	100	SW 28	SW 40	SW 28	991
18	.39	.40	.46	.42	6	9	5	7	17	3	52	100	75	W 28	NW 36	NW 44	640
19	.50	.68	.74	.64	9	26	18	18	27	0	15	88	100	W 52	W 6	SW 28	1001
20	.73	.74	.75	.74	18	25	21	21	28	16	22	87	100	SW 12	SW 16	SE 14	389
21	.76	.80	.75	.77	16	31	25	24	32	15	100	48	38	S 12	SW 32	SW 25	363
22	.68	.67	.73	.69	19	25	15	20	28	15	54	38	48	SW 84	SW 64	SW 28	1200
23	.75	.84	.89	.83	12	26	20	19	27	10	42	40	56	SW 46	SW 25	W 16	1166
24	.90	.90	.88	.89	20	30	21	24	31	17	56	57	100	W 18	N 11	NE 4	500
25	.86	.87	.86	.86	18	22	18	19	23	16	100	100	68	N 4	NW 5	N 20	189
26	.87	.84	.86	.86	18	27	22	22	28	16	53	53	72	N 12	N 18	NW 14	329
27	.78	.74	.76	.76	18	29	24	24	30	17	53	56	61	W 58	W 32	W 36	695
28	.76	.77	.78	.77	20	31	25	25	32	19	56	48	50	SW 52	S 36	W 36	983
29	.78	.80	.77	.78	22	34	22	26	35	20	45	33	32	W 40	W 36	SW 50	912
30	.78	.78	.81	.79	20	30	23	24	31	18	56	47	47	SW 60	SW 20	SW 18	1125
31	.81	.84	.86	.84	20	32	24	25	33	19	56	40	48	SW 28	SW 26	SW 36	601
Means	.72	.74	.76	.74	16.4	24.5	18.6	19.8	27.1	12.6	57	67	66	32	25	25	20276

REMARKS.

May 1. Snow, { B. 10.45 A.M.; E. 5.20 P.M.
 { B. D.N.; E. D.N. of 2d.
 6. " B. 8.00 P.M.; E. 9.00 A.M. of 7th.
 7. " B. 1.00 P.M.; E. 8.20 P.M.

May 8. Sleet, B. 4.00 P.M.; E. D. N.
 10. Hail, B. 11.00 A.M.; E. 1.00 P.M.
 11. " B. 7.30 P.M.; E. 8.30 P.M.
 12. Snow, B. D. N.; E. 4.00 P.M.

MAY, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.04	.07	.08	.19	K 2	Hidden	0	0	N 10	0	Cr	LS	Cr
2	.05	.10	.73	.88	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	HS
3	.57	.	.	.57	0	Hidden	0	0	s 10	0	Cr	Cy	Cr
4	.	.	.	.	CK 3	K 8 W	CS 8 N	0	0	0	Cr	Cy	Cy
5	.	.	.	.	CS 10 W	CS 10 W	CS 2	0	0	0	Cy	Cy	Cr
6	.	.	.06	.06	CS 5 W	0	Hidden	0	s 8 SW	N 10	F	Cy	LS
7	.30	.10	.04	.44	Hidden	Hidden	0	N 10	N 10	0	LS	LS	Cr
8	.	.	.20	.20	0	K 5 W	Hidden	0	0	N 10	Cr	F	Slt
9	.06	.	.	.06	0	K 7 NW	c 7 NW	0	0	0	Cr	F	F
10	.	.04	.	.04	K 5 NW	K 5 NW	c 7 W	0	s 5 NW	0	F	Cy	F
11	.	.	.02	.02	0	K 5 W	c 7 W	0	s 5 W	0	Cr	Cy	F
12	.10	.20	.02	.32	Hidden	Hidden	0	N 10	N 10 W	0	LS	LS	Cr
13	.	.	.	.	K 5 W	Hidden	0	0	s 10 W	0	F	Cy	Cr
14	.	.	.04	.04	0	Hidden	Hidden	0	s 10	N 10	Cr	Cy	HS
15	.05	.	.	.05	0	K 8 SW	0	0	0	0	Cr	Cy	Cr
16	.	.	.03	.03	CS 5 W	Hidden	Hidden	0	s 10	N 10	F	Cy	LS
17	.07	.	.06	.13	c 2 W	Hidden	Hidden	0	s 10	N 10	Cr	Cy	LS
18	.05	.04	.07	.16	K 5 NW	Hidden	c 5 N	0	N 10	s 3 NW	Cy	LS	Cy
19	.	.	.03	.03	0	Hidden	Hidden	0	s 10 W	N 10	Cr	Cy	LS
20	.09	.	.20	.29	0	Hidden	Hidden	0	Haze	N 10	Cr	HZ	LS
21	.20	.10	.	.30	Hidden	0	0	N 10 SW	s 8 SW	0	LS	Cy	Cr
22	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
23	.	.	.	.	0	c 7 SW	0	0	0	0	Cr	F	Cr
24	.	.	.20	.20	0	K 5 N	Hidden	0	s 5 N	N 10	Cr	Cy	LS
25	.20	.10	.01	.31	Hidden	Hidden	Hidden	N 10 N	N 10	s 10 N	LS	LS	Cy
26	.	.	.	.	0	K 5 N	K 5 N	0	s 5 N	s 5 N	Cr	Cy	Cy
27	.	.	.	.	0	K 5 W	c 7 W	0	s 5 W	0	Cr	Cy	F
28	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
29	.	.	.	.	0	0	0	Haze	0	0	Cr	Cr	Cr
30	.	.	.	.	0	c 5 SW	c 7 SW	Haze	Haze	0	Cr	F	F
31	.	.	.	.	0	K 5 SW	K 5 SW	Haze	0	0	Cr	F	F
Total	1.78	.75	1.79	4.32									

REMARKS.

May 14. Snow, B. 8.10 P.M.; E. D. N.

16. Hail and Snow, B. 7.50 P.M.; E. D. N.

17. " " B. 4.30 P.M.; E. D. N.

18. Snow, B. 11.45 A.M.; E. 5.00 P.M.

May 19. Snow, B. 5.30 P.M.; E. D. N.

20. " B. 7.00 P.M.; E. 9.00 A.M. of 21st.

24. " B. 8.00 P.M.; E. 3.00 P.M. of 25th.

JUNE, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Move- ment.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.78	.75	.73	.75	21	31	23	25	32	20	43	48	60	SW 38	SW 30	SW 28	721		
2	.82	.83	.84	.83	20	29	20	23	30	16	56	45	70	SW 30	SW 28	SW 10	724		
3	.87	.83	.84	.85	20	26	23	23	30	16	70	63	73	SW 8	SW 16	SW 4	274		
4	.90	.92	.92	.91	23	28	23	25	33	20	73	88	86	SW 6	SW 26	NW 12	260		
5	.91	.88	.90	.90	22	22	21	22	32	20	72	86	86	W 12	N 18	N 12	270		
6	.87	.85	.86	.86	22	23	20	22	28	19	100	100	85	NW 8	NW 10	NW 8	323		
7	.82	.80	.80	.81	20	26	21	22	32	16	70	75	86	N 8	NE 8	NE 10	142		
8	.79	.84	.86	.83	21	30	26	26	31	15	71	68	52	NE 8	N 12	N 24	336		
9	.86	.91	.95	.91	27	37	30	31	40	22	64	63	68	N 36	NE 4	NE 4	524		
10	.98	.97	.97	.97	30	33	30	31	37	26	57	100	68	NW 10	SW 6	SW 12	177		
11	.96	.93	.92	.94	30	34	31	32	38	27	78	61	79	NW 14	SW 10	SW 20	338		
12	.84	.83	.81	.83	29	29	28	29	33	26	89	100	77	N 14	SW 28	N 32	265		
13	.88	.96	.97	.94	26	33	30	30	35	24	75	70	57	NW 24	W 14	SW 28	599		
14	.97	1.03	1.05	1.02	30	37	34	34	39	25	68	63	61	SW 20	SW 20	NW 8	715		
15	1.04	1.02	1.02	1.03	34	39	35	36	40	30	61	64	61	SW 16	SW 10	SW 6	357		
16	.80	.79	.79	.79	28	34	26	29	35	25	100	100	100	SW 14	N 3	N 6	235		
17	.89	.95	.97	.94	27	32	30	30	35	23	64	69	68	NE 40	NE 10	SW 4	424		
18	1.00	1.04	1.06	1.03	31	35	30	32	38	27	58	61	57	N 14	SW 20	SW 14	293		
19	1.06	1.05	1.07	1.06	35	36	30	34	41	26	61	100	58	SW 26	NE 16	SW 10	379		
20	1.04	1.04	1.04	1.04	30	36	31	32	41	26	57	71	58	SW 12	NW 3	NW 3	267		
21	1.02	1.02	1.07	1.04	33	32	33	33	40	27	70	100	61	NW 12	NE 16	NE 4	162		
22	1.10	1.08	1.09	1.09	33	40	36	36	43	32	61	56	61	N 6	N 10	N 10	221		
23	1.06	.99	.91	.99	35	35	31	34	39	31	53	70	58	W 12	SW 30	W 48	324		
24	.98	1.04	1.04	1.02	28	33	32	31	38	26	54	61	69	W 24	W 8	W 10	730		
25	1.02	1.00	1.00	1.01	32	39	30	34	40	29	59	64	68	SW 16	S 16	S 4	332		
26	.99	.94	.99	.97	30	33	28	30	40	28	100	70	66	S 20	NW 36	N 4	329		
27	.98	.99	1.00	.99	30	37	32	33	42	27	57	63	59	N 8	0	W 16	304		
28	1.01	.95	.94	.97	30	42	35	36	44	28	57	50	53	NW 16	SW 23	SW 24	357		
29	.93	.94	.92	.93	30	42	32	35	43	28	57	42	59	W 36	SW 18	W 16	627		
30	.94	.94	.95	.94	30	40	32	34	42	29	68	65	69	S 23	S 26	S 14	452		
Means	.94	.94	.94	.94	27.9	33.4	28.8	30.1	37.0	24.5	67	71	68	18	16	14	11431		

REMARKS.

June 4. { Hail, B. 4.30 P.M.; E. 5.00 P.M.
 { Snow, B. D. N.; E. D. N.
 5. Snow, B. 1.30 P.M.; E. 2.20 P.M.
 6. " B. D. N.; E. 5.15 P.M.
 7. " B. 12.18 P.M.; E. 12.40 P.M.

June 10. Hail, B. 1.35 P.M.; E. 5.40 P.M.
 11. " B. 1.10 P.M.; E. 1.40 P.M.
 12. Snow, B. 11.20 A.M.; E. 4.30 P.M.
 13. Hail, B. 12.30 P.M.; E. 1.20 P.M.
 15. Snow, B. D. N.; E. D. N. of 16th.

JUNE, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	c 7 SW	k 5 SW	0	0	0	Haze	F	F	Cr
2	0	k 5 SW	Hidden	0	0	s 10 SW	Cr	F	Cy
3	k 7 SW	k 5 SW	Hidden	0	0	s 10 SW	F	F	Cy
4	.09	.	.01	.10	Hidden	Hidden	Hidden	s 10 SW	s 10	s 10	Cy	Cy	Cy
5	.	.02	.	.02	c 3 W	Hidden	0	KS 7 W	s 10	KS 5 N	Cy	Cy	F
6	.24	.25	.09	.58	Hidden	Hidden	Hidden	N 10	N 10	s 10	LS	LS	Cy
7	.	.01	.	.01	0	k 5 NE	Hidden	0	0	s 10	Cr	F	Cy
8	c 5 NE	k 7 W	0	s 5 NE	0	0	Cy	F	Cr
9	0	k 7 NE	Hidden	Haze	0	s 10	Cr	F	Cy
10	.	.12	.08	.20	0	Hidden	Hidden	Haze	N 10	s 10	Cr	Hail	Cy
11	.	.01	.	.01	0	0	0	0	KS 5 SW	KS 7 SW	Cr	F	F
12	.	.24	.14	.38	0	Hidden	0	KS 7 N	N 10	KS 5 N	F	LS	F
13	.	.01	.	.01	c 5 NW	CK 5 NW	0	0	0	0	F	F	Cr
14	0	0	0	0	0	0	Cr	Cr	Cr
15	0	CS 5 SW	k 5 SW	0	0	0	Cr	F	F
16	.34	.28	.26	.88	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
17	.22	.	.19	.41	0	Hidden	0	0	s 10	s 5 SW	Cr	Cy	F
18	.	.08	.	.08	0	CK 5 SW	0	0	KS 5 SW	0	Cr	Cy	Cr
19	.	.12	.18	.30	CK 5 SW	Hidden	0	0	N 10	KS 5 SW	F	Hail	F
20	.	.	.02	.02	CS 5 SW	CS 5 NW	0	0	KS 5 NW	s 5 NW	F	Cy	F
21	.	.14	.06	.20	0	Hidden	k 5 NE	0	N 10	0	Cr	Hail	F
22	0	0	k 5 N	0	KS 5 N	0	Cr	F	F
23	.	.06	.	.06	k 5 W	Hidden	0	0	s 10 SW	0	F	Cy	Cr
24	0	Hidden	0	0	s 10 W	0	Cr	Cy	Cr
25	.	.	.20	.20	k 5 SW	k 5 S	k 3 S	0	KS 5 S	0	F	Cy	Cr
26	Hidden	Hidden	0	Fog	s 10 NW	0	Fy	Cy	Cr
27	.	.	.03	.03	0	k 5 N	0	0	KS 5 N	0	Cr	Cy	Cr
28	0	0	0	0	0	0	Cr	Cr	Cr
29	k 5 W	c 7 SW	0	0	0	0	F	F	Cr
30	Hidden	Hidden	0	s 10 S	s 10 S	0	Cy	Cy	Cr
Total	.89	1.34	1.26	3.49									

REMARKS.

June 17. Hail, B. 4.30 P.M.; E. 6.15 P.M.
 18. " B. 1.10 P.M.; E. 2.15 P.M.
 19. " B. 11.40 A.M.; E. 4.20 P.M.
 20. Snow, B. 4.20 P.M.; E. 5.40 P.M.

June 21. Hail, B. 11.05 A.M.; E. 3.00 P.M.
 23. " B. 1.00 P.M.; E. 1.42 P.M.
 25. " B. 3.00 P.M.; E. 4.00 P.M.
 27. " B. 3.00 P.M.; E. 4.00 P.M.

JULY, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
	A.M. 5.42	P.M. 2.42	P.M. 9.07		A.M. 5.42	P.M. 2.42	P.M. 9.07				A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	1.05	1.10	1.17	1.11	30	40	36	35	41	27	26	39	45	SW 2	SW 20	SW 16	323
2	1.09	1.07	1.07	1.08	39	42	37	39	49	35	46	83	90	NE 15	SW 12	SE 20	434
3	1.03	1.02	1.02	1.03	38	47	37	41	47	34	45	62	38	SW 32	SE 16	SE 20	521
4	1.01	1.02	1.01	1.01	38	47	37	41	49	33	31	48	38	SW 21	S 20	E 20	464
5	.93	.96	.96	.95	35	42	38	38	44	33	61	74	63	SW 32	SW 17	SW 20	569
6	.98	1.01	1.02	1.00	37	49	38	41	50	35	63	37	31	SW 12	SW 12	SW 12	307
7	1.02	1.06	1.06	1.05	36	49	39	41	51	35	45	37	55	SW 20	SW 20	SW 18	341
8	1.11	1.13	1.06	1.10	38	52	38	43	53	34	45	41	45	SW 30	SW 24	SW 16	464
9	1.08	1.07	1.06	1.07	38	48	39	42	50	35	45	43	46	SW 30	SW 18	S 25	543
10	1.09	1.07	1.07	1.08	38	52	38	43	53	36	45	41	46	S 26	SW 20	SW 16	555
11	1.10	1.13	1.14	1.12	38	49	40	42	50	35	45	37	56	SW 16	SW 12	NW 10	365
12	1.16	1.19	1.18	1.18	39	48	40	42	50	36	64	43	65	SW 10	SW 8	E 8	260
13	1.23	1.24	1.20	1.22	38	46	40	41	50	36	63	54	82	SE 7	SE 8	SE 8	159
14	1.17	1.13	1.07	1.12	42	43	39	41	49	38	50	100	55	SW 6	SW 14	SW 10	192
15	1.03	1.00	.98	1.00	38	45	39	41	48	36	63	61	64	SW 16	SW 14	SW 8	288
16	1.01	1.01	1.03	1.02	37	48	40	42	50	34	53	43	48	SW 4	SW 12	SW 12	250
17	1.07	1.08	.99	1.05	40	50	40	43	52	36	65	52	100	SW 16	SW 16	SW 28	284
18	1.00	1.08	1.10	1.06	39	49	45	44	51	35	31	51	53	SW 8	NW 5	W 16	418
19	1.11	1.12	1.13	1.12	41	48	43	44	53	38	65	70	100	S 12	SE 2	NE 7	362
20	1.12	1.15	1.17	1.15	38	53	43	45	55	35	45	67	100	SW 15	SW 6	SW 8	203
21	1.15	1.14	1.16	1.15	40	51	43	45	51	35	56	65	67	SW 11	S 4	S 4	242
22	1.12	1.11	1.12	1.12	43	42	39	41	45	36	67	65	73	SE 4	E 5	SE 3	98
23	1.07	1.08	1.10	1.08	37	38	38	38	42	35	90	100	63	W 9	NW 1	NW 3	154
24	1.10	1.05	1.04	1.06	38	42	36	39	46	36	63	100	71	NE 8	N 20	N 18	151
25	1.02	1.00	.99	1.00	35	46	40	40	48	33	61	100	100	NE 16	N 10	N 9	306
26	1.01	.99	1.03	1.01	33	40	37	37	42	32	70	100	63	N 6	NE 8	N 12	191
27	1.03	1.04	1.08	1.05	33	34	35	34	38	32	100	90	61	W 10	N 16	W 10	231
28	1.06	1.08	1.11	1.08	37	41	39	39	50	32	38	57	46	NW 12	N 8	NW 16	339
29	1.10	1.14	1.14	1.13	37	52	36	42	54	35	63	23	21	NW 12	NE 10	N 12	286
30	1.12	1.14	1.14	1.13	41	56	43	47	57	35	33	29	43	SW 10	SW 7	SW 4	151
31	1.13	1.16	1.17	1.15	44	52	44	47	59	37	37	60	37	SW 10	SW 6	SW 8	145
Means	1.07	1.08	1.08	1.08	37.6	46.5	39.3	41.2	49.3	34.6	54	60	60	14	12	13	9596

REMARKS.

July 2. Sleet, B. 2.55 P.M.; E. 7.00 P.M.
 5. Rain, B. 5.20 P.M.; E. 5.30 P.M.
 11. " B. 8.00 P.M.; E. 8.50 P.M.
 12. " B. 6.00 P.M.; E. 8.30 P.M.
 13. " B. 6.10 P.M.; E. 8.50 P.M.

July 14. Rain, B. 1.00 P.M.; E. 6.00 P.M.
 15. " B. 4.00 P.M.; E. 6.00 P.M.
 17. Rain & Hail, B. 5.10 A.M.; E. 10.40 P.M.
 19. { Rain, B. 4.20 P.M.; E. D. N.
 { Sleet, B. 2.00 P.M.; E. 2.30 P.M.

JULY, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M.	P.M.	P.M.	Total.	Upper.			Lower.			A.M.	P.M.	P.M.
	5.42	2.42	9.07		A.M.	P.M.	P.M.	A.M.	P.M.	P.M.			
				5.42	2.42	9.07	5.42	2.42	9.07	5.42	2.42	9.07	
1	0	0	0	0	0	0	Cr	Cr	Cr
2	.	.	.08	.08	0	Hidden	Hidden	0	s 10 sw	s 10	Cr	Cy	Cy
3	0	c 5 NW	0	0	0	0	Cr	F	Cr
4	c 5 W	cs 8 W	cs 5 W	0	0	0	F	Cy	F
5	.	.	T	T	cs 8 W	Hidden	0	0	s 10 sw	ks 8 sw	Cy	Cy	Cy
6	k 5 W	0	0	0	ks 8 sw	s 5 sw	F	Cy	F
7	k 3	k 7 sw	k 5 sw	0	0	0	Cr	F	F
8	0	0	0	0	Haze	0	Cr	Cr	Cr
9	0	k 5 sw	0	0	0	s 5 s	Cr	F	F
10	k 7 s	0	0	0	Haze	0	F	Cr	Cr
11	.	.	.30	.30	k 3 sw	Hidden	k 7 N	s 3 sw	s 10 sw	0	F	Cy	F
12	.	.	.30	.30	0	0	k 7 E	0	0	0	Cr	Cr	F
13	.	.	.20	.20	Hidden	Hidden	Hidden	s 10 SE	s 10 SE	s 10 SE	Cy	Cy	Cy
14	.	.30	.20	.50	0	Hidden	0	s 5 sw	N 10	s 5 sw	F	LR	F
15	.	.	.40	.40	0	k 5 sw	k 7 sw	0	0	0	Cr	F	F
16	k 7 sw	Hidden	0	0	s 10 sw	0	F	Cy	Cr
17	.	.	.04	.04	k 7 sw	k 7 sw	Hidden	0	0	N 10	F	F	LR
18	.10	.	.	.10	0	0	0	0	s 8 NW	s 5 W	Cr	Cy	F
19	.	.02	.32	.34	ck 5 W	0	Hidden	s 3 sw	s 5 SE	N 10	Cy	F	LR
20	.14	.	.02	.16	cs 10 sw	0	Hidden	0	s 5 sw	N 10	Cy	F	LR
21	.23	.	.	.23	0	Hidden	0	0	s 10 sw	0	Cr	Cy	Cr
22	.	.03	.	.03	0	Hidden	0	0	s 10	s 2	Cr	Cy	Cr
23	.	.50	.40	.90	c 10 sw	Hidden	k 7 NW	0	N 10	0	Cy	LR	F
24	.	.70	.20	.90	k 3 NE	Hidden	c 7 N	0	N 10	0	Cr	LR	F
25	.	.30	.10	.40	k 5 NE	Hidden	Hidden	0	N 10	N 10 N	F	LR	LR
26	.10	.30	.06	.46	k 7 N	Hidden	0	0	N 10 NE	0	F	LR	Cr
27	.06	.04	.	.10	Hidden	Hidden	0	N 10 W	s 10 NW	0	LS	Cy	Cr
28	.	.02	.	.02	0	Hidden	0	0	s 10	0	Cr	Cy	Cr
29	0	0	0	0	Haze	0	Cr	Cr	Cr
30	0	k 2	0	0	0	0	Cr	Cr	Cr
31	0	0	0	0	ks 8 sw	s 3 sw	Cr	Cy	Cr
Total	.63	2.21	2.62	5.46									

REMARKS.

July 20. Rain, B. 7.10 P.M.; E. D. N.
 22. Sleet, B. 11.20 A.M.; E. 1.40 P.M.
 23. Rain, B. 10.00 A.M.; E. 4.30 P.M.
 24. " B. 1.00 P.M.; E. 7.00 P.M.

July 25. Rain, B. 1.00 P.M.; E. D. N.
 26. " B. 12.30 P.M.; E. 3.00 P.M.
 27. Snow, B. D. N.; E. 8.00 A.M.
 28. " B. 11.40 A.M.; E. 12.10 P.M.

AUGUST, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
														Direction and Velocity in Miles per Hour.						Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	1.20	1.21	1.21	1.21	44	61	45	50	62	40	68	35	61	SW 6	SE 12	SE 8	232			
2	1.15	1.16	1.16	1.16	43	49	45	46	53	38	59	31	53	NE 8	NE 8	NE 6	223			
3	1.17	1.16	1.14	1.16	48	54	46	49	57	37	56	38	54	SE 6	SE 8	SE 10	164			
4	1.10	1.10	1.10	1.10	42	56	40	46	57	38	66	100	56	SW 26	W 6	0	258			
5	1.11	1.12	1.12	1.12	37	47	40	41	48	35	63	55	56	0	NW 12	NW 10	65			
6	1.11	1.13	1.11	1.12	38	47	40	42	48	35	54	48	100	NE 8	NE 10	SE 10	225			
7	1.14	1.14	1.13	1.14	40	54	44	46	56	38	56	49	52	E 12	SE 10	SE 3	182			
8	1.14	1.15	1.13	1.14	40	53	44	46	54	37	56	48	45	SE 10	SE 6	SW 2	154			
9	1.07	1.07	1.06	1.07	38	44	38	40	46	37	54	30	100	S 6	W 6	W 16	88			
10	1.08	1.11	1.12	1.10	33	37	34	35	38	32	100	81	61	NW 6	NW 10	NW 12	162			
11	1.11	1.09	1.10	1.10	35	38	36	36	45	29	36	100	45	NW 6	NW 10	NW 6	210			
12	1.09	1.07	1.08	1.08	38	45	41	41	49	33	63	53	25	NW 12	NE 7	NW 6	189			
13	1.08	1.08	1.10	1.09	38	48	41	42	50	32	45	43	49	NW 10	NW 4	W 8	179			
14	1.06	1.08	1.08	1.07	40	51	42	44	53	38	14	22	42	NW 9	W 10	NW 10	204			
15	1.10	1.09	1.08	1.09	45	50	38	44	58	37	29	65	63	N 10	S 7	S 8	219			
16	1.01	1.03	1.04	1.03	37	51	40	43	53	34	38	59	56	W 10	SW 6	W 7	188			
17	1.06	1.07	1.05	1.06	43	48	42	44	53	32	59	49	59	SW 6	NE 8	W 6	156			
18	1.07	1.08	1.07	1.07	44	44	38	42	49	37	52	69	100	SW 8	S 20	S 25	165			
19	1.10	1.07	1.08	1.08	37	44	39	40	48	34	53	45	55	W 13	SW 8	SW 10	326			
20	1.06	1.03	1.02	1.04	38	44	43	42	48	37	54	45	43	S 20	S 9	SW 16	335			
21	.99	.98	1.04	1.00	40	52	45	46	55	38	56	35	36	SW 20	SW 8	SW 16	346			
22	1.09	1.10	1.11	1.10	38	54	43	45	56	37	45	49	51	S 12	S 6	SE 16	265			
23	1.11	1.13	1.15	1.13	40	56	47	47	56	38	56	40	48	SE 5	SE 5	0	260			
24	1.17	1.17	1.18	1.17	41	50	40	44	54	40	49	100	100	SW 4	SW 6	SW 10	70			
25	1.15	1.11	1.11	1.12	38	45	40	41	48	36	54	61	65	SW 7	SW 5	SW 4	154			
26	1.10	1.09	1.10	1.10	39	45	41	42	47	36	64	46	57	NE 7	NE 8	NE 6	174			
27	1.11	1.09	1.11	1.10	40	44	36	40	47	36	73	100	80	SW 6	SW 10	NW 8	145			
28	1.13	1.14	1.15	1.14	34	37	34	35	38	33	52	38	61	N 10	NE 10	NE 8	206			
29	1.11	1.14	1.13	1.13	34	44	37	38	45	32	61	68	45	N 12	NE 6	NE 8	283			
30	1.11	1.08	1.08	1.09	36	37	35	36	41	32	45	71	53	0	NE 6	NE 6	194			
31	1.06	1.07	1.08	1.07	36	42	37	38	43	32	53	58	53	N 6	NE 10	NE 12	138			
Means	1.10	1.10	1.10	1.10	39.2	47.5	40.4	42.3	50.2	35.5	54	56	59	9	8	9	6157			

REMARKS.

Aug. 1. Hail, { B. 3.20 P.M.; E. 4.10 P.M.
 { B. 9.30 P.M.; E. D. N.
 4. Rain, B. 1.15 P.M.; E. 7.30 P.M.
 6. " B. 3.00 P.M.; E. D. N.
 8. " B. 3.00 P.M.; E. 4.00 P.M.

Aug. 9. Rain, B. 3.00 P.M.; E. 2.25 on 10th.
 11. " B. 1.30 P.M.; E. 3.00 P.M.
 15. " B. 3.00 P.M.; E. 4.10 P.M.
 17. Hail, B. 1.30 P.M.; E. 1.45 P.M.
 18. Rain, B. 1.10 P.M.; E. 1.50 P.M.

AUGUST, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.14	.14	0	K 5 SE	0	KS 3 SW	0	KS 5 SE	Cr	F	F
2	.12	.	.	.12	K 5 NE	CK 3 NE	0	0	S 3 NE	0	F	F	Cr
3	.	.	.	.	K 5 SE	K 5 SE	K 5 SE	0	0	0	F	F	F
4	.	.30	.20	.50	K 5 SW	Hidden	K 7	S 2 SW	N 10	0	F	LR	F
5	.	.	.	.	K 3	K 7 NW	Hidden	0	0	S 10 NW	Cr	F	Cy
6	.	.	.30	.30	0	K 7 NE	Hidden	0	0	N 10 SE	Cr	F	LR
7	.30	.	.	.30	0	K 10 SE	C 7 SE	0	0	0	Cr	Cy	F
8	.	.	.03	.03	0	Hidden	C 7 SE	0	S 10 SE	0	Cr	Cy	F
9	.	.	.50	.50	Hidden	Hidden	Hidden	S 10	S 10	N 10	Cy	Cy	LR
10	.46	.40	.	.86	Hidden	Hidden	0	N 10	S 10	0	LR	Cy	Cr
11	.	.20	.25	.45	0	Hidden	0	0	N 10	0	Cr	LR	Cr
12	.	.	.	.	0	K 5 NE	0	0	0	0	Cr	F	Cr
13	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
14	.	.	.	.	0	0	0	Haze	KS 5	0	Cr	F	Cr
15	.	.	.08	.08	K 5 N	Hidden	Hidden	0	S 10	S 10	F	Cy	Cy
16	.	.	.	.	Hidden	K 5 SW	0	S 10 W	0	0	Cy	F	Cr
17	.	.01	.	.01	C 3 SW	Hidden	0	0	KS 10 NE	S 5 W	Cr	Cy	F
18	.	.02	.	.02	K 5 SW	Hidden	Hidden	0	KS 10	Fog	F	Cy	Fy
19	.	.	.	.	0	K 5 SW	0	S 5 W	0	0	F	F	Cr
20	.	.	.	.	K 5 S	K 7 S	0	0	0	0	F	F	Cr
21	.	.	.	.	C 7 SW	C 7 SW	C 7 SW	0	0	0	F	F	F
22	.	.	.	.	C 7 S	0	0	0	0	0	F	Cr	Cr
23	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
24	.	.40	.30	.70	Hidden	Hidden	Hidden	S 10 SW	N 10	N 10	Cy	LR	LR
25	.20	.	.40	.60	K 5 SW	K 10 SW	K 3 SW	0	0	0	F	Cy	Cr
26	.	.	.20	.20	0	K 5 NE	Hidden	KS 5 NE	0	S 10	F	F	Cy
27	.30	.08	.30	.68	CK 3 SW	Hidden	Hidden	0	N 10	S 10	Cr	LR	Cy
28	.25	.08	.	.33	Hidden	0	0	S 10 N	KS 5 NE	0	Cy	F	Cr
29	.	.	.	.	0	Hidden	0	0	S 10	0	Cr	Cy	Cr
30	.	.	.30	.30	0	Hidden	K 5 NE	KS 5	S 10	0	F	Cy	F
31	.	.	.	.	K 5 N	K 5 NE	K 5 NE	0	0	0	F	F	F
Total	1.63	1.49	3.00	6.12									

REMARKS.

Aug. 24. Rain, B. 1.00 P.M.; E. D. N.
 25. " B. 4.00 P.M.; E. 8.00 P.M.
 26. " B. 3.10 P.M.; E. 5.00 P.M.
 27. " B. D. N.; E. D. N.

Aug. 27. Rain, B. 1.40 P.M.; E. 5.00 P.M.
 28. { Rain, B. D. N.; E. D. N.
 { Hail, B. 1.30 P.M.; E. 2.30 P.M.
 30. Sleet, B. 4.00 P.M.; E. 6.00 P.M.

1889AnHar...22...1P

SEPTEMBER, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Movement.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	1.12	1.14	1.16	1.14	35	38	35	36	42	31	53	63	53	NE 4	N 8	NE 12	203		
2	1.16	1.14	1.12	1.14	36	44	34	38	44	32	61	76	61	N 4	NW 3	NE 4	152		
3	1.04	.97	.96	.99	32	48	38	39	50	31	40	43	45	SW 4	SW 8	SW 10	137		
4	.92	.94	.96	.94	31	43	32	35	45	30	58	92	100	SW 4	SE 8	SW 12	339		
5	.90	.92	.97	.93	27	36	33	32	38	27	100	80	89	SW 10	SW 8	SW 10	296		
6	.96	.97	1.00	.98	27	34	30	30	37	26	88	79	89	SW 12	NW 10	NW 10	277		
7	.98	.97	.96	.97	33	35	31	33	42	27	51	80	79	SW 14	SW 12	SW 18	200		
8	.90	.89	.89	.89	30	40	27	32	41	26	78	73	76	SW 26	SW 24	SW 20	431		
9	.84	.93	.92	.90	15	27	26	23	28	11	82	76	75	SW 14	SW 6	N 2	419		
10	.91	.92	.96	.93	13	19	17	16	21	10	62	100	83	NW 4	NE 5	SW 12	95		
11	.93	.98	1.01	.97	8	24	22	18	29	7	78	74	72	NE 10	NE 8	NE 20	204		
12	.98	.98	1.00	.99	22	33	29	28	36	19	72	61	67	NE 16	SW 8	NW 12	369		
13	.96	.98	.98	.97	27	40	32	33	42	26	64	56	50	NW 20	SW 20	SW 20	282		
14	.98	.94	.94	.95	32	43	35	37	44	27	59	67	61	SW 12	SW 20	SW 20	278		
15	.93	.92	.92	.92	28	38	32	33	40	26	54	63	59	SW 18	SW 38	SW 18	482		
16	.86	.92	.93	.90	27	41	32	33	42	26	53	65	59	SW 40	SW 16	SW 24	663		
17	.92	.97	.95	.95	29	40	31	33	41	27	56	65	69	SW 20	SW 14	SW 22	397		
18	.89	.93	.82	.88	27	40	30	32	41	26	76	48	68	SW 24	SW 22	SW 28	384		
19	.75	.66	.74	.72	21	16	17	18	30	15	71	66	67	SW 28	NW 24	NW 24	607		
20	.84	.88	.90	.87	17	28	23	23	30	10	67	54	60	NW 8	NW 20	NW 28	384		
21	.96	.93	.89	.92	21	36	25	27	38	19	57	53	50	NW 20	NW 10	SW 10	509		
22	.80	.81	.83	.81	22	28	26	25	39	19	45	55	52	NW 34	NW 38	NW 40	564		
23	.86	.90	.94	.90	21	36	29	29	37	19	57	61	56	SW 24	SW 36	SW 32	727		
24	.85	.82	.88	.85	28	42	34	35	43	25	54	66	61	SW 44	SW 36	SW 14	948		
25	.90	.90	.98	.93	25	35	29	30	42	19	50	61	56	SW 36	SW 28	SW 28	779		
26	1.00	1.03	1.05	1.03	27	36	28	30	43	22	64	90	43	SW 12	NW 2	NE 5	566		
27	.93	.81	.84	.86	26	37	30	31	43	21	52	38	36	SW 8	SW 28	SW 100	271		
28	.86	.78	.79	.81	25	39	30	31	40	23	38	25	16	SW 36	SW 24	SW 100	913		
29	.68	.59	.61	.63	25	24	18	22	35	16	14	100	37	SW 100	SW 44	SW 60	1590		
30	.57	.54	.59	.57	20	23	11	18	26	10	56	100	20	SW 56	SW 20	SW 40	1160		
Means	.91	.90	.92	.91	25.2	34.8	28.2	29.3	38.3	21.8	60	68	60	22	18	25	14626		

REMARKS.

Sept. 1. Hail and Snow, B. 10.45 A.M.; E. 1.50 P.M.
 2. Hail, Snow, and Sleet, B. 3.20 P.M.; E. 5.35 P.M.
 4. Snow, B. 6.30 P.M.; E. 7.20 A.M. of 5th.
 6. " B. 9.15 P.M. (of 5th); E. D.N.

Sept. 7. Hail, B. 2.20 P.M.; E. 2.35 P.M.
 8. " B. 4.20 P.M.; E. 5.00 P.M.
 10. Snow, B. 1.20 P.M.; E. 8.20 P.M.
 18. " B. 5.20 P.M.; E. 7.00 P.M.

SEPTEMBER, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.09	.	.09	0	CS 5 NW	0	0	s 3 N	KS 5 NE	Cr	Cy	F
2	.	.	.13	.13	0	CS 5 NW	0	0	s 3 NW	0	Cr	F	Cr
3	0	K 3 W	0	0	0	s 3 SW	Cr	Cr	Cr
4	.	.	.15	.15	CS 5 W	Hidden	Hidden	0	Fog	N 10	F	Fy	LS
5	.34	.06	.	.40	Hidden	Hidden	Hidden	N 10	s 10 SW	s 10	LS	Cy	Cy
6	.52	.	.	.52	Hidden	Hidden	Hidden	s 10	s 10	s 10	Cy	Cy	Cy
7	.	.02	.	.02	0	Hidden	K 5 SW	0	s 10	0	Cr	Cy	F
8	.	.	.30	.30	0	Hidden	K 5 SW	Haze	s 10	0	HZ	Cy	F
9	0	c 5 SW	Hidden	0	0	Fog	Cr	F	Fy
10	.	.15	.30	.45	0	Hidden	Hidden	0	N 10	Fog	Cr	LS	Fy
11	0	K 3 NE	0	0	0	0	Cr	Cr	Cr
12	0	c 3 SW	CS 3 NW	0	0	0	Cr	Cr	Cr
13	0	0	0	0	0	0	Cr	Cr	Cr
14	0	K 3 SW	K 3 SW	0	0	0	Cr	Cr	Cr
15	0	0	0	0	s 5 SW	0	Cr	F	Cr
16	0	0	0	0	0	0	Cr	Cr	Cr
17	K 5 SW	K 3 SW	Hidden	0	0	s 10 SW	F	Cr	Cy
18	.	.	.01	.01	K 3 SW	K 5 S	0	0	0	0	Cr	F	Cr
19	.	.04	.20	.24	K 3 SW	Hidden	K 5 NW	0	s 10 NW	0	Cr	Cy	F
20	0	K 7 NW	0	0	0	0	Cr	F	Cr
21	.	.	.01	.01	CS 7 NW	K 5 NW	0	s 3	0	0	Cy	F	Cr
22	CS 5 NW	0	0	0	0	0	F	Cr	Cr
23	0	0	0	Haze	Haze	0	HZ	HZ	Cr
24	0	CK 3 SW	0	0	0	0	Cr	Cr	Cr
25	0	CS 8 W	0	0	0	s 3 SW	Cr	Cy	Cr
26	c 3	Hidden	0	s 5 SW	s 10 W	s 10	Cy	Cy	Cr
27	c 10 NW	CK 3 SW	0	0	0	0	Cy	Cr	Cr
28	0	0	0	0	s 2 SW	0	Cr	Cr	Cr
29	.	T	.04	.04	0	Hidden	0	0	N 10	0	Cr	LS	Cr
30	.	T	.06	.06	CS 10 SW	Hidden	0	0	N 10	0	Cr	Slt	Cr
Total	.86	.36	1.20	2.42									

REMARKS.

Sept. 19. Snow, { B. 9.20 A.M.; E. 11.00 A.M.
 { B. 4.00 P.M.; E. 8.00 P.M.
 21. " B. 5.00 P.M.; E. 5.40 P.M.

Sept. 29. Snow, B. 2.40 P.M.; E. 4.10 P.M.
 30. Sleet, B. 2.40 P.M.; E. 4.20 P.M.

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OCTOBER, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						24 Hours.
	Direction and Velocity in Miles per Hour.			Move- ment.	A.M.			P.M.			A.M.			P.M.			24 Hours.			
	A.M. 5.42	P.M. 2.42	P.M. 9.07		Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42		P.M. 9.07		
1	.60	.81	.85	.75	9	30	22	20	31	-17	57	57	45	SW 60	W 24	SW 36	999			
2	.93	.93	.93	.93	24	38	37	33	38	- 3	61	54	53	W 24	W 20	SW 24	636			
3	.93	.93	.93	.93	26	38	27	30	39	24	52	38	42	W 16	SW 24	SW 24	462			
4	.91	.92	.97	.93	25	29	24	26	38	23	62	67	48	W 28	W 16	N 16	601			
5	.97	.94	.90	.94	23	36	26	28	36	20	47	37	28	NW 8	SW 20	NW 20	305			
6	.85	.92	.91	.89	21	33	25	26	36	20	43	42	38	W 44	W 9	SW 24	684			
7	.89	.88	.87	.88	25	37	29	30	38	23	38	38	34	NW 28	W 20	W 32	536			
8	.80	.86	.94	.87	24	36	30	30	40	21	48	37	36	W 36	NW 12	W 12	634			
9	.92	.84	.77	.84	25	39	30	31	39	23	26	38	36	W 3	SW 32	SW 40	350			
10	.72	.87	.95	.85	23	35	27	28	37	22	34	45	42	W 56	W 20	W 32	1073			
11	.96	.97	.94	.96	25	41	31	32	41	23	14	14	38	W 16	SW 18	W 32	593			
12	.82	.76	.77	.78	26	35	23	28	36	23	40	53	60	W 40	SW 28	NW 36	875			
13	.81	.76	.72	.76	21	35	26	27	36	20	43	36	52	W 28	SW 28	SW 50	637			
14	.72	.69	.59	.67	18	33	24	25	33	17	68	32	47	SW 32	SW 30	SW 44	860			
15	.46	.36	.41	.41	15	17	4	12	23	3	65	100	100	SW 48	SW 16	SW 12	995			
16	.50	.63	.69	.61	- 4	7	6	3	7	- 4	28	54	28	NW 8	W 6	NW 48	313			
17	.80	.94	.97	.90	12	26	24	21	27	4	23	17	11	SE 40	NW 20	N 16	700			
18	.97	.94	.94	.95	21	32	23	25	35	19	9	11	8	N 9	NW 12	NW 12	362			
19	.92	.89	.84	.88	25	38	26	30	39	23	14	31	17	NW 28	W 14	SW 28	441			
20	.66	.59	.55	.60	24	33	10	22	35	8	48	43	79	SW 40	SW 32	SW 32	769			
21	.61	.73	.65	.66	- 2	6	9	4	10	- 8	35	52	57	N 24	NW 14	N 28	641			
22	.83	.89	.82	.85	21	29	20	23	30	10	43	34	41	NE 36	W 24	W 40	746			
23	.83	.71	.69	.74	17	29	19	22	30	16	51	45	39	NW 16	W 36	W 28	662			
24	.63	.58	.64	.62	10	21	8	13	22	8	58	16	100	SW 32	SW 40	SW 20	748			
25	.61	.53	.50	.55	1	12	- 3	3	13	- 3	71	61	100	SW 12	SW 36	SW 24	556			
26	.50	.62	.67	.60	-12	5	1	- 2	6	-12	100	50	71	SW 10	W 28	W 32	620			
27	.74	.75	.72	.74	- 2	17	10	8	18	- 4	35	19	38	N 32	W 32	W 28	881			
28	.68	.58	.57	.61	6	12	10	9	12	5	76	80	100	N 36	W 36	W 36	752			
29	.58	.66	.69	.64	8	15	10	11	15	7	78	65	58	NW 20	W 20	NW 28	656			
30	.78	.85	.95	.86	9	18	15	14	20	7	36	22	14	NW 16	N 20	W 20	478			
31	.87	.90	.92	.90	20	27	19	22	30	13	27	19	10	NW 16	NE 20	W 32	445			
Means	.77	.78	.79	.78	15.7	27.1	19.1	20.5	28.7	10.7	46	42	47	27	23	29	20010			

REMARKS.

Oct. 4. Snow, B. 1.40 P.M.; E. 4.00 P.M.
15. " B. 9.30 A.M.; E. 4.20 P.M.

Oct. 15. Snow, B. 8.10 P.M.; E.D.N.
24. " B. D.N.; E. D.N.

OCTOBER, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	0	0	0	0	0	Cr	Cr	Cr
2	0	0	0	0	0	0	Cr	Cr	Cr
3	0	c 3	CK 5	0	0	0	Cr	Cr	F
4	.	.04	.01	.05	CS 7	Hidden	CK 5 N	0	N 10	0	F	LS	F
5	0	CK 3	CK 5	0	0	0	Cr	Cr	F
6	CS 3	CK 5 W	CS 5	0	0	0	Cr	F	F
7	CS 7 NW	CS 5 W	CS 3	0	0	0	F	F	Cr
8	CS 5	CK 7 NW	CS 3	0	0	0	F	F	Cr
9	0	0	CS 3	0	Haze	0	Cr	Hz	Cr
10	CS 3	CK 3 W	CS 3	0	Haze	0	Cr	Hz	F
11	0	0	CK 7 W	0	Haze	0	Cr	Hz	F
12	CS 7 W	CS 5 SW	0	0	Haze	0	F	Hz	Cr
13	0	CK 5 SW	0	0	Haze	0	Cr	Hz	Cr
14	0	K 2	K 3	0	0	0	Cr	Cr	F
15	.	.05	.02	.07	0	Hidden	Hidden	s 3 SW	N 10	N 10	Cr	LS	LS
16	.07	.	.	.07	0	0	0	0	s 5 NW	0	Cr	F	Cr
17	0	CS 8 NW	CS 3	0	0	0	Cr	Cy	F
18	0	0	0	0	0	0	Cr	Cr	Cr
19	0	K 3 W	0	0	0	0	Cr	Cr	Cr
20	c 5 W	c 2 W	Hidden	0	0	s 10 SW	F	Cr	Cy
21	0	c 5 NW	CS 2	0	s 3 W	0	Cr	Cy	Cr
22	CS 8 NW	CK 7 NW	CS 3 W	0	0	0	Cy	F	F
23	CK 5	CK 5 W	0	0	0	0	F	F	Cr
24	.01	.	.	.01	CS 5 SW	CK 5 SW	Hidden	0	0	s 10 SW	F	F	Cy
25	.01	.	.	.01	CS 5 SW	CK 7 SW	Hidden	0	0	s 10 SW	F	F	Cy
26	.02	.	.	.02	Hidden	0	0	s 10 SW	0	0	Cy	Cr	Cr
27	0	CS 2 W	0	0	0	0	Cr	Cr	Cr
28	.	.	.01	.01	CS 5 N	K 5 W	Hidden	0	s 5 W	N 10 W	F	Cy	LS
29	T	.	.	T	Hidden	CK 8 W	CS 5 W	s 10 NW	0	0	Cy	Cy	F
30	CS 5	0	0	0	s 2	0	F	Cr	Cr
31	0	0	0	0	0	0	Cr	Cr	Cr
Total	.11	.09	.04	.24									

REMARKS.

Oct. 24. Snow, B. 9.15 P.M. ; E. D. N.
26. " B. D. N. ; E. D. N.

Oct. 28. Snow, B. 8.30 P.M. ; E. D. N.

1889AnHar...22...1P

NOVEMBER, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.94	.93	.92	.93	18	26	23	22	29	8	22	17	8	SW 28	NW 12	W 20	621
2	.89	.88	.92	.90	21	30	22	24	32	11	29	47	32	N 14	NW 16	SW 18	390
3	.91	.94	.99	.95	17	25	22	21	28	9	19	14	5	SW 20	W 4	W 12	429
4	.96	.99	.98	.98	20	30	21	24	33	11	0	0	0	N 2	SW 8	0	167
5	.90	.70	.70	.77	21	29	23	24	31	17	43	45	47	SW 8	SW 8	SW 6	108
6	.68	.59	.76	.68	17	21	18	19	26	15	83	86	84	SE 12	SE 8	NE 20	259
7	.86	.85	.86	.86	18	22	21	20	23	15	100	100	100	s 8	s 8	SW 4	295
8	.84	.74	.68	.75	20	22	17	20	24	15	100	100	100	SW 8	W 16	W 6	163
9	.62	.53	.52	.56	17	17	12	15	21	10	100	83	100	N 4	0	NE 16	209
10	.60	.65	.71	.65	11	17	12	13	18	10	80	83	61	NW 12	NW 14	W 12	212
11	.76	.81	.88	.82	4	13	13	10	14	3	48	44	44	NE 12	NE 15	NE 6	272
12	.88	.82	.75	.82	16	22	16	18	23	13	49	45	49	SW 8	SW 20	SW 18	255
13	.66	.59	.61	.62	13	19	7	13	21	7	44	54	100	SW 7	SW 7	NE 12	272
14	.66	.66	.66	.66	5	8	7	7	9	4	50	55	54	NE 10	NE 6	NE 16	297
15	.62	.61	.57	.60	9	15	10	11	16	6	36	48	100	NW 15	NW 9	NW 6	346
16	.65	.76	.83	.75	8	10	8	9	12	7	100	100	55	NE 16	NE 12	NE 6	274
17	.92	.94	.89	.92	9	22	19	17	23	3	57	45	54	NE 16	SW 8	SW 36	186
18	.86	.75	.79	.80	12	16	9	12	17	7	42	49	36	SE 40	SW 20	NW 18	588
19	.71	.68	.66	.68	10	17	10	12	18	7	38	51	58	NW 48	NW 46	NW 24	788
20	.60	.66	.73	.66	10	12	9	10	14	7	100	44	57	NW 12	NW 44	NW 20	605
21	.77	.92	.95	.88	12	22	22	19	23	7	42	45	45	NE 16	NE 26	NE 24	634
22	.94	.76	.71	.80	22	28	21	24	29	19	45	54	47	NW 28	W 32	NW 45	484
23	.51	.45	.40	.45	11	12	- 2	7	16	- 2	40	42	100	SW 40	SW 24	SW 10	909
24	.46	.48	.53	.49	-14	-11	-11	-12	- 2	-15	45	76	100	NW 7	NW 28	NE 12	355
25	.59	.64	.63	.62	- 8	4	4	0	5	-13	58	48	48	NE 16	NW 6	NE 28	373
26	.70	.72	.78	.73	8	14	16	13	19	4	55	64	49	W 32	NE 24	NE 20	487
27	.79	.74	.69	.74	13	19	15	16	20	13	26	39	48	N 24	SW 32	NW 44	554
28	.72	.69	.65	.69	9	15	9	11	21	8	36	30	57	W 28	SW 24	SW 28	816
29	.58	.51	.61	.57	1	- 4	- 6	- 3	9	- 6	71	100	100	SW 24	NE 32	NE 20	370
30	.66	.67	.74	.69	- 8	7	9	3	9	- 8	58	54	57	NE 8	NE 30	SE 36	571
Means	.74	.72	.74	.73	10.7	16.6	12.5	13.2	19.4	6.4	54	55	58	17	18	18	12489

REMARKS.

Nov. 7. Snow, B. D. N.; E. 11.45 A.M. of 9th.
 9. " B. 3.20 P.M.; E.D.N.
 10. " B. 3.15 P.M.; E. 5.20 P.M.

Nov. 13. Snow, B. 7.40 P.M.; E. D. N.
 15. " B. 8.10 P.M.; E. 7.10 P.M. of 16th.
 20. " B. D. N.; E. 1.20 P.M.

NOVEMBER, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
2	.	.	.	.	0	c 10 w	0	0	0	0	Cr	Cy	Cr
3	.	.	.	.	c 2 w	c 3 w	0	0	0	0	Cr	Cr	Cr
4	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	c 8 NE	CK 3	0	0	0	KS 3 w	Cy	Cr	Cr
6	.	.	.	.	cs 5	cs 5 N	Hidden	s 3 SE	s 3 SE	s 10 NE	Cy	Cy	Cy
7	.01	.06	.07	.14	Hidden	Hidden	Hidden	N 10 s	N 10	N 10	LS	LS	LS
8	.42	.58	.06	1.06	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
9	.73	.03	.05	.81	Hidden	0	Hidden	N 10	s 8	N 10	LS	Cy	LS
10	.08	.	.09	.17	Hidden	Hidden	0	Fog	Fog	s 5 w	Fy	Fy	F
11	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
12	.	.	.	.	0	0	0	0	0	s 5	Cr	Cr	F
13	.	.	.04	.04	Hidden	Hidden	Hidden	s 10 SW	s 10 SW	N 10	Cy	Cy	LS
14	.08	.	.	.08	Hidden	cs 3 NE	0	Fog	s 3 NE	0	Fy	F	Cr
15	.	.	.01	.01	0	Hidden	Hidden	s 5	s 10	N 10	F	Cy	LS
16	.98	.65	.44	2.07	Hidden	Hidden	0	N 10	N 10	0	LS	LS	Cr
17	.	.	.	.	0	0	0	s 5 NE	s 3	0	F	Cr	Cr
18	.	.	.	.	0	0	0	0	0	s 3	Cr	Cr	Cr
19	.	.	.	.	Hidden	Hidden	Hidden	s 10	s 10	s 10	Cy	Cy	Cy
20	.64	.24	.	.88	Hidden	0	0	N 10	s 5	0	LS	F	Cr
21	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
22	.	.	.	.	0	c 3 NW	0	0	0	0	Cr	Cr	Cr
23	.	.	.12	.12	0	Hidden	Hidden	s 5 SW	s 10	N 10	F	Cy	LS
24	.24	.	.26	.50	0	Hidden	Hidden	s 3 NW	s 10	N 10	F	Cy	LS
25	.04	.	.	.04	0	0	0	0	0	0	Cr	Cr	Cr
26	.	.	.	.	CK 3 w	0	0	0	0	0	F	Cr	Cr
27	.	.	.	.	0	CK 5 SW	0	0	0	0	Cr	F	Cr
28	.	.	.	.	0	cs 3	0	0	0	0	Cr	Cr	Cr
29	.	.75	1.05	1.80	0	Hidden	Hidden	0	N 10 NE	N 10 NE	Cr	HS	HS
30	.12	.	.	.12	0	c 2	0	0	0	0	Cr	Cr	Cr
Total	3.34	2.31	2.19	7.84									

REMARKS.

Nov. 23. Snow, B. 7.20 P.M.; E. D. N.
24. " B. 4.40 P.M.; E. D. N.

Nov. 29. Hail and Snow, B. 10.05 A.M.; E. D. N.

DECEMBER, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.79	.82	.78	.80	8	12	11	10	14	6	11	42	20	N 36	NW 24		NW 40	875
2	.74	.80	.76	.77	22	23	17	21	25	11	58	73	100	NW 32	NW 40	W 64	986
3	.79	.79	.82	.80	16	18	15	16	21	13	33	53	48	NW 48	NW 32	SW 28	1167
4	.79	.82	.82	.81	10	17	13	13	17	9	18	35	26	N 40	NW 4	W 14	698
5	.79	.77	.76	.77	10	13	15	13	16	8	38	44	30	NW 32	NW 20	NW 40	596
6	.76	.66	.60	.67	13	19	13	15	20	12	44	54	44	NW 20	SW 28	SW 24	665
7	.52	.57	.47	.52	5	8	1	5	13	1	50	78	100	N 24	NW 12	N 11	527
8	.46	.64	.60	.57	- 8	- 7	- 4	- 6	- 1	-11	16	19	0	NW 16	N 24	E 40	375
9	.63	.64	.54	.60	6	12	10	9	14	- 6	28	42	38	NE 28	NE 24	W 44	864
10	.42	.46	.36	.41	2	3	- 1	1	10	- 1	44	73	68	W 42	W 18	W 18	878
11	.39	.41	.47	.42	- 7	- 3	- 5	- 5	- 1	-10	100	100	100	SW 14	SE 14	SE 16	433
12	.45	.43	.45	.44	- 9	- 5	-14	- 9	- 5	-14	100	100	100	SE 20	SE 20	SE 16	411
13	.45	.44	.46	.45	-14	- 6	-15	-12	- 5	-18	73	61	72	E 8	0	NE 16	277
14	.48	.46	.50	.48	-15	- 8	- 5	- 9	- 5	-18	72	100	63	NE 20	NE 20	N 28	304
15	.44	.43	.42	.43	- 6	- 3	-10	- 6	0	-10	61	100	100	E 28	N 16	NW 8	608
16	.38	.31	.31	.33	-17	-15	-13	-15	-10	-19	100	100	74	NW 16	NW 18	NW 56	273
17	.35	.39	.42	.39	-30	0	- 2	-11	0	-37	40	70	67	NW 65	NW 30	NW 20	1133
18	.48	.39	.43	.43	- 7	- 5	- 5	- 6	- 2	- 8	59	63	100	0	NW 10	NW 16	400
19	.43	.43	.43	.43	- 9	- 4	-17	-10	- 3	-18	100	100	69	W 5	W 4	NW 12	229
20	.45	.48	.52	.48	-13	- 5	- 4	- 7	- 4	-20	47	100	100	NE 20	NE 28	N 44	330
21	.50	.54	.53	.52	- 3	- 1	- 4	- 3	0	- 5	66	68	28	NE 40	N 36	NW 44	864
22	.56	.56	.55	.56	- 4	7	6	3	8	-10	28	54	52	N 52	N 28	NE 20	1068
23	.56	.50	.50	.52	1	6	3	3	9	0	42	28	19	NE 18	W 20	W 16	426
24	.49	.46	.45	.47	0	1	1	1	4	- 5	70	100	100	SW 12	SW 10	SW 8	356
25	.46	.33	.34	.38	1	- 3	- 6	- 3	7	- 6	100	100	100	SW 3	SE 4	0	155
26	.34	.39	.45	.39	-15	- 8	- 6	-10	4	-20	14	16	0	N 20	N 10	NE 16	185
27	.46	.40	.34	.40	- 6	0	- 4	- 3	1	-10	23	39	28	NW 4	W 16	W 20	177
28	.31	.27	.30	.29	- 5	- 2	- 4	- 4	- 1	-12	26	100	100	SW 28	SW 12	SW 8	537
29	.27	.34	.39	.33	- 4	- 3	- 6	- 4	- 2	- 9	100	100	100	SW 3	SW 5	SW 8	174
30	.35	.35	.35	.35	- 4	0	- 2	- 2	- 2	- 8	100	70	35	SW 4	SW 24	SW 16	140
31	.41	.40	.42	.41	- 3	2	- 1	- 1	3	- 7	32	72	37	SW 14	SW 16	SW 16	474
Means	.51	.51	.50	.51	-2.7	2.0	-0.7	-0.5	4.7	-7.2	55	69	62	23	18	23	16585

REMARKS.

Dec. 2. Snow, B. 8.40 P.M.; E. D. N.
 7. " B. 8.20 P.M.; E. D. N.
 11. " B. D. N.; E. D. N. of 12th.

Dec. 14. Snow, B. 10.15 A.M.; E. 4.10 P.M.
 15. " B. 2.20 P.M.; E. 7.25 P.M.
 16. " B. D. N.; E. 2.30 P.M.

DECEMBER, 1878.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	CS 3 W	CS 2	0	S 3 N	0	Cr	F	Cr
2	.	.	T	T	CS 5	CS 7 N	Hidden	0	S 3 W	N 10 W	F	Cy	LS
3	T	.	.	T	CS 5	0	0	0	S 8 W	S 3 SW	F	Cy	Cr
4	.	.	.	.	0	K 3 NW	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	CS 3	C 7 NW	CS 5	0	S 3 NW	0	Cr	Cy	F
6	.	.	.	.	CS 5	K 5 NW	CS 5 SW	0	0	0	F	F	F
7	.	.	T	T	CS 5	0	Hidden	0	KS 5 NW	N 10 NW	F	F	LS
8	.02	.	.	.02	CS 3	0	0	0	K 2 NW	0	F	Cr	Cr
9	.	.	.	.	CS 5	CS 8 NW	CS 5 NW	0	0	0	F	Cy	F
10	.	.	.	.	CS 3	Hidden	CS 5	0	S 10 W	0	F	Cy	F
11	T	.20	.12	.32	Hidden	Hidden	Hidden	N 10 S	N 10 SW	N 10	LS	LS	LS
12	.52	.30	.18	1.00	Hidden	Hidden	Hidden	N 10 SE	N 10 SE	N 10	LS	LS	LS
13	.15	.	.	.15	Hidden	Hidden	0	S 10	S 10	0	Cy	Cy	Cr
14	.	.20	.40	.60	0	Hidden	0	0	N 10 NE	0	Cr	LS	Cr
15	.	T	.26	.26	CS 3 E	Hidden	0	0	N 10 N	0	F	LS	Cr
16	.25	.68	.	.93	Hidden	Hidden	0	N 10 NW	S 10 NW	0	HS	Cy	Cr
17	.04	.	.	.04	CS 3 N	CS 5 NW	CS 3	0	S 2 NW	0	F	F	F
18	.	.	.	.	CS 5	CS 5 NW	CS 5 NW	0	S 3 NW	S 5 NW	F	Cy	Cy
19	.05	.16	.03	.24	Hidden	Hidden	0	N 10 W	N 10 W	0	LS	LS	Cr
20	.	.	.12	.12	0	CS 3 NW	Hidden	0	S 5 N	N 10 N	Cr	Cy	LS
21	.06	.	.	.06	0	CS 5 NW	CS 3	0	0	0	Cr	F	F
22	.	.	.	.	CS 3	CS 3 NW	CS 2	0	0	0	F	F	Cr
23	.	.	.	.	0	0	0	0	S 2	0	Cr	Cr	Cr
24	.02	.02	.02	.06	Hidden	Hidden	Hidden	S 10 SW	N 10	N 10	Cy	LS	LS
25	.06	.04	.07	.17	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
26	.03	.	.	.03	0	0	0	0	0	0	Cr	Cr	Cr
27	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
28	.	.	.01	.01	0	Hidden	Hidden	0	Fog	N 10	Cr	Fy	LS
29	.12	.17	.16	.45	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
30	.09	T	.	.09	Hidden	Hidden	0	N 10	Haze	0	LS	HZ	Cr
31	.	.	.	.	0	Hidden	0	0	S 10 SW	0	Cr	Cy	Cr
Total	1.41	1.77	1.37	4.55									

REMARKS.

Dec. 17. Snow, D. N.

19. " B. D. N.; E. 4.10 P.M.

20. " B. 3.40 P.M.; E. D. N.

Dec. 24. Snow, { B. D. N.; E. D. N.

{ B. 9.10 A.M.; E. D. N. of 25th.

28. " B. 7.20 P.M.; E. 8.10 A.M. of 30th.

JANUARY, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.36	.33	.33	.34	- 2	2	- 1	0	3	- 4	100	100	100	SW 16	SW 4		SW 20	389
2	.38	.44	.46	.43	- 2	2	0	0	4	- 4	35	72	70	W 24	NW 22	W 20	312
3	.46	.48	.55	.50	- 2	4	1	1	5	- 7	35	48	42	NW 20	N 20	NW 4	494
4	.48	.52	.56	.52	1	3	- 1	1	4	- 2	0	0	0	N 4	NW 6	N 10	174
5	.62	.68	.74	.68	- 2	8	12	6	12	- 5	0	0	23	N 20	NE 20	NE 20	294
6	.68	.45	.43	.52	12	13	7	11	15	6	26	44	31	NW 24	W 48	SW 20	535
7	.35	.32	.37	.35	- 3	- 5	- 6	- 5	7	- 6	100	100	61	SW 12	S 16	S 18	648
8	.38	.37	.34	.36	-13	-10	-13	-12	- 4	-20	23	32	23	SW 20	NE 32	NW 42	549
9	.32	.34	.25	.30	- 4	0	- 9	- 4	4	-13	65	70	100	W 40	SW 32	SW 18	944
10	.28	.28	.37	.31	- 6	- 5	-10	- 7	- 2	-13	100	63	32	SW 8	W 8	SW 4	448
11	.48	.60	.59	.56	- 1	11	12	7	12	-13	10	20	23	N 12	W 32	SW 56	294
12	.59	.58	.55	.57	14	13	13	13	15	6	28	26	26	W 44	SW 40	SW 36	1113
13	.35	.43	.46	.41	2	2	2	2	8	- 1	44	44	44	SW 38	SW 36	SW 26	938
14	.37	.35	.35	.36	- 4	- 1	- 2	- 2	5	- 7	28	37	35	SW 24	SW 26	SW 20	648
15	.27	.27	.41	.32	- 6	- 2	- 2	- 3	3	- 7	23	67	35	SW 10	SW 24	NW 60	422
16	.40	.28	.27	.32	- 2	- 2	- 3	- 2	2	- 5	35	35	32	SW 36	SW 40	SW 40	897
17	.49	.52	.54	.52	-12	- 3	-12	- 9	0	-19	23	32	26	NW 36	W 38	SW 22	832
18	.47	.55	.72	.58	-16	-10	0	- 9	2	-33	39	32	39	W 38	NW 50	N 36	896
19	.80	.85	.88	.84	8	10	12	10	14	- 3	11	0	0	NW 52	NW 52	NW 18	1101
20	.87	.86	.83	.85	14	20	16	17	20	9	0	0	0	NE 22	NE 12	NW 16	522
21	.76	.70	.62	.69	17	20	12	16	21	12	4	0	0	NW 24	N 24	N 40	502
22	.54	.64	.72	.63	8	9	14	10	14	5	33	36	28	W 40	N 32	W 30	916
23	.73	.78	.83	.78	16	24	27	22	28	10	16	11	8	NW 28	NW 36	W 36	800
24	.80	.84	.89	.84	21	28	23	24	30	10	16	22	8	W 48	W 32	W 24	991
25	.89	.79	.72	.80	18	27	22	22	27	12	0	0	0	SW 32	SW 40	SW 36	664
26	.38	.38	.46	.41	15	18	16	16	22	10	14	37	49	SW 72	SW 52	W 32	1268
27	.52	.36	.40	.43	5	9	5	6	16	0	100	100	100	SW 16	SW 28	SW 12	948
28	.45	.55	.65	.55	- 2	5	0	1	8	- 5	10	0	11	W 16	W 24	W 28	441
29	.72	.75	.75	.74	1	9	10	7	10	- 3	42	78	100	W 24	SW 24	SW 16	580
30	.61	.52	.50	.54	11	15	4	10	16	2	100	100	100	SW 26	SW 16	SW 12	485
31	.57	.63	.69	.63	- 3	0	1	- 1	5	- 5	100	53	11	W 12	NW 16	W 20	302
Means	.53	.53	.56	.54	2.6	6.9	4.8	4.8	10.5	-3.0	37	41	37	27	28	26	20347

REMARKS.

Jan. 1. Snow, B. D. N.; E. 9.20 P.M.
3. " B. D. N.; E. D. N.

Jan. 7. Snow, B. D. N.; E. 5.30 P.M.
9. " B. 7.10 P.M.; E. 7.40 A.M. of 10th.

JANUARY, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.02	.57	.46	1.05	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
2	.03	.	.	.03	0	Hidden	Hidden	0	s 10 NW	s 10 W	Cr	Cy	Cy
3	.02	.	.	.02	0	CK 3 N	CS 8 W	s 2 NW	s 3 NW	0	Cr	F	Cy
4	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
6	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
7	.03	.09	.05	.17	Hidden	Hidden	Hidden	N 10	N 10	s 10 E	LS	LS	Cy
8	.	.	.	.	0	0	0	s 2	s 2	s 3	Cr	Cr	Cr
9	.	.	.02	.02	0	0	Hidden	s 2	0	N 10	Cr	Cr	LS
10	.09	T	.	.09	Hidden	0	0	N 10	s 8 W	0	LS	Cy	Cr
11	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
12	.	.	.	.	0	CS 5 SW	0	0	0	0	Cr	F	Cr
13	.	.	.	.	0	K 8 SW	Hidden	0	0	s 10	Cr	Cy	Cy
14	.	.	.	.	0	K 5 SW	0	s 3	0	0	Cr	F	Cr
15	.	.	.	.	0	Hidden	0	0	Fog	0	Cr	Fy	Cr
16	.	.	.	.	0	0	0	0	s 2	0	Cr	Cr	Cr
17	.	.	.	.	0	0	0	0	0	s 5	Cr	Cr	F
18	.	.	.	.	0	0	0	0	s 2	0	Cr	Cr	Cr
19	.	.	.	.	CS 3 NW	0	0	0	0	0	Cr	Cr	Cr
20	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
21	.	.	.	.	0	c 3 NW	0	0	0	s 3	Cr	Cr	Cr
22	.	.	.	.	0	0	0	s 2	s 3 W	0	Cr	Cr	Cr
23	.	.	.	.	0	0	0	s 5 W	s 8 W	0	F	Cy	Cr
24	.	.	.	.	0	0	0	s 5 W	s 5 W	0	F	F	Cr
25	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
26	.	.	.	.	c 2	CS 8 NW	0	0	0	0	Cr	Cy	Cr
27	.02	.03	.19	.24	Hidden	Hidden	Hidden	N 10	s 10 SW	N 10	LS	Cy	HS
28	.07	.	.	.07	0	0	0	0	s 2 W	0	Cr	Cr	Cr
29	.	.	.02	.02	0	CS 3 W	Hidden	s 2	s 3 SW	N 10	Cr	F	LS
30	.25	.52	.76	1.53	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	LS
31	.47	.	.	.47	Hidden	0	0	s 10 W	0	0	Cy	Cr	Cr
Total	1.00	1.21	1.50	3.71									

REMARKS.

Jan 27. Snow, { B. D.N.; E. 11.20 A.M.
 { B. 5.20 P.M.; E. D. N.

Jan. 29. Snow, B. 8.20 P.M.; E. 7.20 A.M. of 30th.
30. " B. 9.25 A.M.; E. D. N.

FEBRUARY, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Move- ment.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.70	.70	.73	.71	- 2	5	5	3	6	- 3	35	25	25	NW 32	NW 24	NW 12	646		
2	.74	.74	.72	.73	8	10	10	9	11	1	33	38	38	N 12	N 22	NW 32	396		
3	.58	.46	.47	.50	7	13	7	9	13	6	31	0	31	NW 48	W 36	W 16	758		
4	.31	.20	.25	.25	3	- 2	0	0	7	- 3	73	100	100	SW 14	SW 36	SW 20	528		
5	.19	.21	.24	.21	-14	-16	-15	-15	0	-21	100	39	42	W 8	N 16	N 28	453		
6	.32	.38	.42	.37	- 7	- 1	2	- 2	3	-18	19	37	15	N 32	NW 28	NW 32	714		
7	.42	.49	.55	.49	- 1	4	4	2	8	- 3	37	22	22	W 40	W 32	W 48	830		
8	.62	.66	.67	.65	- 1	8	4	4	10	- 3	37	33	22	NW 3	SW 28	W 32	623		
9	.58	.50	.47	.52	7	10	6	8	11	1	31	79	52	W 48	N 20	N 24	827		
10	.43	.45	.51	.46	3	5	7	5	9	0	46	75	100	NW 40	NW 46	W 36	650		
11	.55	.55	.58	.56	4	11	11	9	11	2	100	40	40	SW 22	W 46	NW 52	729		
12	.58	.57	.60	.58	10	18	17	15	20	9	38	84	100	W 60	W 56	W 24	1267		
13	.60	.64	.64	.63	13	9	8	10	17	8	100	57	55	NW 16	NW 34	NW 18	696		
14	.59	.59	.57	.58	2	7	5	5	9	2	100	54	50	NW 28	NW 28	NW 24	519		
15	.50	.38	.40	.43	2	3	0	2	7	0	100	100	100	NW 22	NW 16	W 20	562		
16	.35	.31	.32	.33	- 7	6	-14	- 5	7	-15	59	100	73	NW 12	W 20	NW 42	371		
17	.41	.44	.46	.44	-16	- 4	- 2	- 7	- 2	-19	39	65	35	N 32	NW 44	NW 50	706		
18	.49	.52	.60	.54	- 1	7	5	4	7	- 9	37	54	50	NW 56	NW 44	NW 52	1186		
19	.65	.80	.88	.78	6	17	16	13	20	3	52	51	33	NW 40	NW 26	W 32	1068		
20	.70	.88	.83	.80	14	23	18	18	24	8	28	47	22	NW 16	N 12	W 28	526		
21	.64	.66	.67	.66	14	15	12	14	20	10	46	48	23	W 40	W 28	N 28	801		
22	.63	.67	.71	.67	6	10	13	10	14	4	76	58	62	W 16	NW 18	N 36	592		
23	.67	.73	.72	.71	10	18	18	15	22	3	38	53	37	N 56	NW 34	N 52	879		
24	.68	.55	.54	.59	19	17	12	16	20	10	25	35	23	NW 52	NW 40	NW 60	973		
25	.48	.49	.52	.50	6	10	5	7	15	3	28	38	25	NW 60	W 44	W 40	1004		
26	.56	.57	.63	.59	2	13	12	9	14	- 3	44	62	61	NW 56	NW 40	NW 48	1020		
27	.66	.67	.67	.67	12	21	17	17	22	9	42	57	35	NW 40	NW 40	W 40	975		
28	.58	.60	.65	.61	15	26	17	19	26	12	14	28	51	SW 64	SW 40	SW 28	1019		
Means	.54	.55	.57	.56	4.1	9.4	7.0	6.9	12.5	-0.2	50	53	47	34	32	34	21218		

REMARKS.

Feb. 4. Snow, B. 6.10 A.M.; E. 7.15 A.M. of 5th.
9. " B. 3.00 P.M.; E. 7.30 P.M.

Feb. 10. Snow, B. 7.15 P.M.; E. 6.35 A.M. of 11th.
12. " B. 6.25 P.M.; E. 8.30 A.M. of 13th.

FEBRUARY, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	0	CS 3 W	0	S 2	0	0	Cr	Cr	Cr
2	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
3	.	.	.	.	0	CS 5 W	CS 5	0	0	0	Cr	F	F
4	.	.40	.18	.58	Hidden	Hidden	Hidden	S 10 SW	N 10 SW	N 10 SW	Cy	LS	LS
5	.25	.04	.	.29	Hidden	0	0	N 10 W	0	0	LS	Cr	Cr
6	.	.	.	.	0	CS 3	CS 5 NW	0	0	0	Cr	Cr	F
7	.	.	.	.	0	C 3 W	CS 5 W	0	0	0	Cr	Cr	F
8	.	.	.	.	CS 8 W	C 2	CS 10 W	0	0	0	Cy	Cr	Cy
9	.	.	.03	.03	CS 10 W	Hidden	CS 3 N	0	S 10 NW	S 5 N	Cy	Cy	Cy
10	.	.	.04	.04	CS 7 NW	CS 2 NW	Hidden	0	0	N 10 W	F	Cr	LS
11	.06	T	.	.06	Hidden	CS 5 NW	CS 3	N 10 SW	S 2 W	0	LS	F	Cr
12	.	.	.05	.05	CS 7 NW	0	Hidden	0	S 8 W	N 10 W	F	Cy	LS
13	.50	.25	.	.75	Hidden	CS 5 NW	Hidden	N 10	0	S 10 NW	HS	F	Cy
14	.20	.02	.	.22	Hidden	CS 3 NW	CS 5	N 10 NW	S 5 NW	0	LS	Cy	F
15	.03	.25	.10	.38	Hidden	Hidden	Hidden	N 10 NW	N 10 NW	N 10 W	LS	LS	LS
16	.04	T	.20	.24	CS 5 NW	Hidden	0	0	S 10 W	0	F	Cy	Cr
17	.	.	.	.	0	CS 2	CS 3	0	0	0	Cr	Cr	Cr
18	.	.	.	.	CS 3	CS 5 NW	0	0	0	0	Cr	F	Cr
19	.	.	.	.	CS 8 NW	CS 5 NW	0	0	0	S 2 W	Cy	F	Cr
20	.	.	.	.	CS 5	C 2	0	0	0	0	F	Cr	Cr
21	.	.	.	.	C 7 W	0	0	0	S 8 W	0	F	Cy	Cr
22	.	.	.	.	Hidden	CS 3	0	S 10 W	S 5 NW	S 8 N	Cy	Cy	Cy
23	.	.	.	.	0	CS 10 NW	CS 3	S 5 N	0	0	F	Cy	Cr
24	.	.	.	.	CS 5 N	CS 3	CS 3	0	0	0	F	F	F
25	.	.02	.	.02	CS 7 NW	CS 5	C 3	0	S 5 W	0	F	Cy	F
26	.	.	.	.	CS 5 NW	C 5 N	CS 5	0	S 2 NW	S 5 NW	F	F	Cy
27	.	.	.	.	CS 5 NW	CS 5 NW	0	0	0	0	F	F	Cr
28	.	.	.	.	CS 3	CK 5 W	Hidden	0	0	S 10 SW	F	F	Cy
Total	1.08	.98	.60	2.66									

REMARKS.

Feb. 13. Snow, B. 9.45 P.M.; E. 6.10 A.M. of 14th.
15. " B. D. N.; E. D. N.

Feb. 16. Snow, B. 1.45 P.M.; E. 7.05 P.M.
25. " B. 10.30 A.M.; E. 11.25 A.M.

MARCH, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.				Move- ment. 24 Hours.
	Direction and Velocity in Miles per Hour.			Mean.	Max.	Min.	A.M. P.M. P.M.			A.M. P.M. P.M.	A.M. P.M. P.M.	A.M. P.M. P.M.						
	A.M. 5.42	P.M. 2.42	P.M. 9.07				A.M. 5.42	P.M. 2.42	P.M. 9.07				A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42		P.M. 9.07
1	.60	.63	.74	.66	10	11	4	8	19	4	100	100	48	SW 8	NW 28	W 36	511	
2	.84	.83	.80	.82	7	20	16	14	21	0	31	27	33	W 24	W 36	W 44	658	
3	.64	.68	.79	.70	15	19	17	17	20	13	100	25	19	SW 24	SW 10	SW 16	663	
4	.78	.74	.74	.75	12	16	13	14	18	11	23	33	26	SW 7	SW 40	SW 40	286	
5	.72	.78	.84	.78	13	25	19	19	26	11	26	26	25	W 30	NW 22	W 20	774	
6	.83	.77	.74	.78	18	26	19	21	27	14	22	28	25	SW 40	SW 38	SW 44	623	
7	.62	.62	.60	.61	16	23	14	18	24	14	0	8	11	SW 40	SW 22	SW 24	994	
8	.37	.36	.38	.37	5	12	3	7	17	0	25	42	46	SW 22	SW 40	SW 44	654	
9	.46	.56	.59	.54	4	18	11	11	19	- 1	22	22	20	SW 48	SW 38	SW 36	769	
10	.69	.79	.84	.77	9	21	12	14	23	7	15	16	23	SW 16	SW 6	SW 12	428	
11	.87	.88	.89	.88	14	24	15	18	26	9	11	24	14	SW 4	SW 3	NW 12	246	
12	.90	.84	.83	.86	12	21	14	16	24	10	23	43	100	S 8	SW 4	SW 3	428	
13	.73	.75	.74	.74	4	15	10	10	17	2	48	30	38	NW 48	NW 24	SW 20	674	
14	.65	.68	.63	.65	6	17	12	12	18	3	28	19	23	NW 54	NW 22	SW 32	592	
15	.61	.60	.54	.58	9	20	15	15	21	7	36	27	30	NW 24	SW 24	SW 16	569	
16	.47	.49	.52	.49	9	14	9	11	18	7	78	28	15	W 14	NW 26	W 34	484	
17	.52	.51	.56	.53	4	9	8	7	10	1	74	78	100	W 24	NW 18	W 8	495	
18	.58	.61	.62	.60	1	11	10	7	14	- 2	42	20	18	NE 44	W 20	W 16	650	
19	.46	.46	.46	.46	10	20	12	14	21	7	18	27	42	W 16	SW 32	SW 34	396	
20	.50	.55	.53	.53	4	13	12	10	14	- 1	48	81	100	SW 44	SW 18	SW 14	824	
21	.48	.52	.53	.51	5	6	6	6	12	3	100	28	28	W 40	SW 36	SW 34	768	
22	.54	.71	.73	.66	3	13	10	9	18	- 4	46	44	38	NW 50	W 24	W 20	964	
23	.68	.78	.85	.77	9	20	13	14	21	7	36	41	26	W 56	NW 20	NW 16	818	
24	.81	.86	.89	.85	12	23	18	18	24	7	42	34	22	NW 30	NW 28	NW 16	588	
25	.85	.87	.89	.87	20	29	22	24	30	15	41	24	18	W 20	W 9	NW 5	612	
26	.89	.88	.82	.86	23	35	27	28	37	20	8	19	8	N 8	SW 16	SW 28	235	
27	.67	.65	.71	.68	23	31	26	27	33	20	47	89	100	SW 36	SW 16	SW 12	717	
28	.84	.96	1.02	.94	11	28	24	21	30	8	0	0	0	NW 14	NW 24	W 40	367	
29	1.03	1.11	1.12	1.09	27	33	30	30	36	20	8	14	0	NE 40	NW 4	W 24	815	
30	1.02	.94	.86	.94	26	41	33	33	43	25	28	74	61	NW 16	SW 12	SW 20	381	
31	.79	.74	.74	.76	25	29	20	25	36	18	62	89	100	NE 24	SW 8	N 12	406	
Means	.69	.71	.73	.71	11.8	20.7	15.3	16.1	23.1	8.2	38	37	37	28	22	24	18389	

REMARKS.

March 1. Snow, { B. D. N.; E. D. N.
 { B. 10.00 A.M.; E. 3.00 P.M.
3. " B. D. N.; E. 1.10 P.M.

March 12. Snow, B. 4.40 P.M.; E. D. N.
13. " B. 11.45 A.M.; E. 12 M.
16. " B. 9.15 A.M.; E. 10.10 A.M.

MARCH, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.04	.20	.05	.29	Hidden	Hidden	0	N 10 SW	N 10 W	0	LS	LS	Cr
2	.	.	.	.	cs 5 w	cs 3 w	0	0	0	0	F	Cr	Cr
3	.06	.14	.	.20	Hidden	0	K 3 w	N 10	s 5	0	LS	F	Cr
4	.	.	.	.	0	0	0	s 8	0	0	Cy	Cr	Cr
5	.	.	.	.	0	K 3 NW	0	s 2 w	0	0	Cr	F	Cr
6	.	.	.	.	0	0	0	s 3 SW	0	0	Cr	Cr	Cr
7	.	.	.	.	0	K 3 SW	0	0	0	s 2	Cr	Cr	Cr
8	.	.	.	.	0	K 3 SW	0	Haze	Haze	KS 8 SW	Hz	Hz	Cy
9	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
10	.	.	.	.	0	0	0	Haze	Haze	0	Hz	Hz	Cr
11	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
12	.	.	.02	.02	0	0	Hidden	0	s 8 SW	N 10	Cr	Cy	LS
13	.46	T	.	.46	K 5 NW	K 3 NW	0	0	0	s 3 SW	F	Cr	Cr
14	.	.	.	.	c 2 w	0	0	s 5	s 8 NW	0	F	Cy	Cr
15	.	.	.	.	0	0	0	s 3 NW	KS 8	0	Cr	Cy	Cr
16	.	.02	.	.02	0	K 5 NW	0	KS 8 w	0	0	Cy	F	Cr
17	.	.	.03	.03	K 5 w	Hidden	Hidden	0	s 10	N 10	F	Cy	LS
18	.14	.	.	.14	0	K 2 w	0	0	0	0	Cr	Cr	Cr
19	.	.	.	.	K 8 w	K 5 SW	Hidden	0	0	s 10	Cy	F	Cy
20	T	.	.08	.08	K 5 SW	Hidden	Hidden	0	s 10	N 10	F	Cy	LS
21	.48	.18	.	.66	Hidden	K 3 SW	0	N 10	0	0	LS	Cr	Cr
22	.	.	.	.	K 5 NW	K 3 w	0	s 3	0	0	Cy	Cr	Cr
23	.	.	.	.	K 3 w	K 3 NW	0	0	0	s 5 NW	Cr	Cr	F
24	.	.	.	.	0	0	0	s 5	s 5	s 5	F	F	F
25	.	.	.	.	cs 10 SW	cs 10 SW	0	0	0	s 5	Cy	Cy	F
26	.	.	.	.	cs 3 w	0	0	0	0	0	Cr	Cr	Cr
27	.	.	.06	.06	cs 2	Hidden	Hidden	0	s 10 SW	N 10	Cr	Cy	LS
28	.04	.	.	.04	0	0	0	0	0	s 2	Cr	Cr	Cr
29	.	.	.	.	cs 5 N	cs 5 NW	0	0	0	0	F	F	Cr
30	.	.	.	.	c 2	Hidden	cs 7 w	0	s 10 SW	s 3 SW	Cr	Cy	Cy
31	.	.	.20	.20	c 3 w	Hidden	Hidden	s 7	s 10 SW	N 10 N	Cy	Cy	LS
Total	1.22	.54	.44	2.20									

REMARKS.

March 17. Snow, B. 7.40 P.M.; E. D. N.

20. { Hail, B. D. N.; E. D. N.

{ Snow, B. 7.40 P.M.; E. 11.40 A.M. of 21st.

March 27. Snow, B. 5.55 P.M.; E. D. N.

31. " B. 5 17 P.M.; E. D. N.

APRIL, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
														Direction and Velocity in Miles per Hour.						Move- ment.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.			
1	.71	.74	.77	.74	12	26	18	19	26	10	42	40	37	NE 28	W 8	NW 16	294			
2	.77	.77	.77	.77	14	29	19	21	30	12	28	45	39	N 22	S 14	S 24	335			
3	.78	.86	.87	.84	18	27	24	23	30	12	22	42	36	S 8	NE 2	SW 22	316			
4	.87	.84	.83	.85	22	30	26	26	37	18	32	78	52	NW 12	SW 20	SW 20	263			
5	.78	.58	.46	.61	20	25	10	18	35	8	27	50	58	SW 22	SW 40	W 36	409			
6	.45	.73	.84	.67	7	15	15	12	17	3	100	82	65	N 44	N 8	SW 2	804			
7	.79	.68	.60	.69	16	21	18	18	21	11	66	57	68	SW 24	SW 24	SW 24	317			
8	.32	.36	.40	.36	4	12	9	8	19	3	48	61	57	SW 60	W 40	W 36	710			
9	.40	.58	.68	.55	8	5	11	3	12	-10	100	50	20	NW 14	NW 34	N 38	885			
10	.74	.80	.75	.76	12	30	15	19	30	8	23	36	14	NE 30	SW 14	SW 44	717			
11	.71	.71	.70	.71	18	31	20	23	31	11	22	58	27	SW 30	SW 20	SW 40	711			
12	.71	.62	.57	.63	19	17	10	15	26	10	0	67	100	SW 12	E 14	S 34	524			
13	.52	.44	.48	.48	11	12	12	12	15	8	100	100	100	NE 16	NE 28	NE 20	391			
14	.50	.50	.50	.50	11	23	17	17	24	6	60	73	100	0	0	SW 8	251			
15	.46	.42	.49	.46	11	18	5	11	23	4	80	100	100	NW 4	NE 6	NE 18	168			
16	.54	.61	.66	.60	4	9	1	5	13	-1	74	100	71	0	NW 14	N 52	225			
17	.76	.84	.89	.83	6	17	20	14	20	-3	52	67	56	NW 24	NW 24	W 28	717			
18	.98	.93	.88	.93	18	27	19	21	31	14	22	53	39	N 24	S 16	S 38	470			
19	.88	.77	.69	.78	18	26	20	21	28	15	22	52	41	W 42	S 32	SW 48	774			
20	.59	.49	.40	.49	14	16	13	14	24	11	46	66	100	SW 44	SW 40	SW 16	981			
21	.28	.26	.35	.30	9	13	8	10	16	6	100	100	100	NE 8	NE 30	NE 32	497			
22	.49	.58	.60	.56	7	20	9	12	21	4	100	100	78	W 4	0	N 6	447			
23	.62	.67	.74	.68	10	20	10	13	22	5	100	100	79	SE 2	N 8	N 2	42			
24	.76	.82	.83	.80	8	18	16	14	20	6	33	53	33	N 24	NW 4	NW 24	273			
25	.83	.80	.78	.80	18	27	22	22	27	11	37	53	45	N 24	W 20	NW 20	353			
26	.75	.74	.76	.75	20	24	17	20	30	17	39	100	100	NW 32	S 28	NW 28	508			
27	.82	.84	.86	.84	11	26	22	20	28	10	40	52	45	NW 24	SW 28	W 38	603			
28	.86	.92	.93	.90	22	29	24	25	31	17	18	56	36	NW 34	SW 12	SW 32	690			
29	.90	.89	.85	.88	23	28	25	25	32	18	34	77	50	NW 36	SW 20	SW 40	616			
30	.84	.85	.90	.86	20	25	23	23	28	18	27	62	100	NW 32	N 14	W 16	667			
Means	.68	.69	.69	.69	13.2	21.5	15.9	16.8	24.9	8.7	50	68	62	23	19	27	14958			

REMARKS.

April 3. Snow, B. D. N.; E. D. N.	April 9. Snow, B. D. N.; E. 6.40 A.M.
4. Sleet, B. 2.40 P.M. At intervals. E. 5.35 P.M.	12. " { B. 3.45 P.M.; E. 8.50 P.M.
5. { Snow, B. 4.20 P.M.; E. 5.00 P.M.	13. " { B. D. N.; E. D. N. of 13th.
5. { Sleet, B. 7.15 P.M. At intervals. E. 8.00 P.M.	14. " B. 3.40 P.M.; E. D. N.
6. Snow, B. 6.10 A.M.; E. 1.50 P.M.	15. " B. 8.15 A.M.; E. D. N.
8. " B. 11.30 A.M.; E. 12.15 P.M.	16. " B. 11.15 A.M.; E. 8.15 P.M.

APRIL, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.06	.	.	.06	cs 3	K 2	0	0	0	s 2 NW	F	Cr	Cr
2	.	.	.	.	c 3	cs 3 SW	cs 10 SW	0	0	0	Cr	Cr	Cy
3	.03	.	.	.03	cs 3	K 5 SW	0	0	0	0	F	F	Cr
4	.	T	.04	.04	Hidden	0	cs 5 SW	s 10 W	N 5 SW	0	Cy	L. Slt	F
5	.	.	.04	.04	cs 2	Hidden	Hidden	0	s 10 SW	s 10 W	F	Cy	Cy
6	.	.18	.	.18	Hidden	Hidden	ks 10 SW	s 10 N	Fog	0	Cy	Fy	Cy
7	.	.	.	.	Hidden	cs 7 SW	K 3 SW	Fog	K 3	s 5 SW	Fy	Cy	Cy
8	.	.02	.	.02	Hidden	ck 7 W	cs 3	s 10 SW	s 3 W	0	Cy	Cy	F
9	.08	.03	.	.11	Hidden	0	0	N 10 NW	0	0	LS	Cr	Cr
10	.	.	.	.	c 2	c 3 W	cs 2	0	0	0	Cr	F	Cr
11	.	.	.	.	cs 10 W	ck 8 W	0	0	0	0	Cy	Cy	Cr
12	.	.	1.28	1.28	0	Hidden	0	0	Fog	s 5 S	Cr	Fy	Cy
13	.08	.98	1.85	2.91	Hidden	Hidden	Hidden	N 10 NE	N 10 NE	N 10 NE	LS	HS	HS
14	.45	.	.12	.57	ks 7	Hidden	Hidden	0	s 10	N 10 SW	F	Cy	LS
15	.22	.53	.85	1.60	Hidden	Hidden	Hidden	s 10 NW	N 10 NE	N 10 NE	Cy	LS	HS
16	.25	.18	.09	.52	Hidden	Hidden	0	s 10	N 10 NW	0	Cy	LS	Cr
17	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
18	.	.	.	.	0	c 5 NW	cs 5	0	0	0	Cr	F	F
19	.	.	.	.	cs 8 W	ck 5 SW	cs 5	0	s 5	0	Cy	Cy	F
20	.	T	.02	.02	cs 5 SW	Hidden	Hidden	0	s 10 SW	N 10 SW	F	Cy	LS
21	.96	.92	1.35	3.23	Hidden	Hidden	Hidden	N 10 NE	N 10 NE	N 10 NE	LS	LS	HS
22	.15	.09	.08	.32	Hidden	Hidden	cs 3	s 10	N 10	0	Cy	LS	F
23	.05	.47	.12	.64	Hidden	Hidden	cs 5	N 10	N 10 N	0	LS	LS	F
24	.	.	.	.	cs 5	K 3	0	0	0	0	F	Cr	Cr
25	.	.	.	.	0	ck 7 W	cs 2	0	0	0	Cr	F	Cr
26	.	1.23	.27	1.50	cs 3	Hidden	Hidden	s 5 W	N 10 S	s 10 NW	Cy	LS	Cy
27	.	.	.	.	0	ck 5 W	cs 3 W	0	0	0	Cr	F	F
28	.	.	T	T	0	cs 3	c 5	0	s 7 W	0	Cr	Cy	F
29	.	.01	.	.01	cs 5 W	Hidden	cs 5 SW	0	s 10 SW	0	F	Cy	F
30	.	.01	.06	.07	0	K 8 W	Hidden	0	0	Fog	Cr	Cy	Fy
Total	2.33	4.65	6.17	13.15									

REMARKS.

April 20. Snow, { B. 1.05 P.M. At intervals. E. 1.30 P.M. { B. 8.20 P.M.; E. D. N. of 21st.	April 26. Snow and Sleet, B. 2.35 P.M.; E. 8.30 P.M.
22. " B. 12.50 P.M. At intervals. E. 7.30 P.M.	28. Snow, B. 4.30 P.M.; E. 4.40 P.M.
23. " B. D. N.; E. 7.40 P.M.	29. " B. 12.30 P.M.; E. 2.30 P.M.
26. Snow and Sleet, { B. 12.25 P.M. At intervals { until 1.40 P.M.	30. { Snow and Sleet, B. 3.40 P.M. At intervals. { E. 7.30 P.M. { Sleet, B. 1.40 P.M.; E. 2.10 P.M.

1889AnHar...22...1P

MAY, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Movement.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	.90	.93	.93	.92	21	33	27	27	35	16	43	51	30	NW 17	SW 18	SW 24	207		
2	.84	.80	.71	.78	27	36	29	31	37	24	19	37	24	W 30	SW 40	SW 42	457		
3	.69	.70	.74	.71	22	26	19	22	30	19	32	28	25	W 28	W 28	W 24	819		
4	.68	.72	.78	.73	16	29	17	21	31	10	33	34	35	W 38	SW 12	N 14	657		
5	.74	.75	.76	.75	14	30	20	21	32	12	28	47	70	SW 20	SW 14	SW 22	283		
6	.75	.76	.78	.76	19	29	23	24	31	16	25	45	47	SW 40	SW 34	SW 32	680		
7	.80	.84	.87	.84	24	35	27	29	36	18	36	36	30	SW 30	SW 14	SW 24	641		
8	.87	.86	.86	.86	23	32	26	27	33	21	21	30	28	SW 44	SW 20	SW 26	753		
9	.82	.87	.89	.86	22	34	27	28	36	21	18	34	30	SW 60	W 34	W 32	945		
10	.85	.79	.72	.79	24	30	23	26	32	22	24	36	21	SW 64	SW 44	SW 44	1114		
11	.50	.45	.37	.44	20	16	14	17	26	13	41	100	100	SW 24	NE 16	NE 65	738		
12	.64	.76	.78	.73	12	19	16	16	20	11	100	85	83	NE 56	NE 32	NE 12	1196		
13	.88	.88	.92	.89	18	28	23	23	30	11	68	88	73	NE 10	NE 10	NE 8	281		
14	.91	.91	.92	.91	20	26	25	24	27	18	27	75	62	N 7	SW 6	SW 20	188		
15	.80	.79	.79	.79	24	35	28	29	36	21	24	36	22	SW 32	SW 20	SW 24	514		
16	.79	.84	.84	.82	23	35	24	27	36	22	8	70	36	SW 24	SE 10	SE 12	471		
17	.84	.84	.83	.84	22	34	22	26	34	19	18	34	22	SW 4	SW 28	SW 24	220		
18	.81	.81	.81	.81	22	34	28	28	35	19	18	34	22	SW 20	SW 26	SW 32	601		
19	.84	.87	.88	.86	23	34	28	28	35	21	34	34	11	SW 22	SW 24	SW 20	682		
20	.90	.92	.94	.92	23	38	29	30	39	21	34	31	24	SW 44	SW 20	SW 24	688		
21	.94	.94	.92	.93	28	36	28	31	39	24	22	45	22	SW 40	SW 30	SW 36	658		
22	.88	.89	.89	.89	25	38	30	31	38	23	38	31	16	SW 60	SW 40	SW 36	1094		
23	.84	.85	.90	.86	25	35	28	29	37	22	26	27	22	SW 56	SW 54	SW 30	1156		
24	.88	.84	.84	.85	25	36	28	30	37	23	26	29	22	SW 34	SW 32	SW 48	952		
25	.86	.90	.92	.89	23	34	23	27	35	17	21	34	34	SW 32	SW 28	SW 28	867		
26	.94	.96	.95	.95	24	39	31	31	40	20	24	31	28	SW 25	SW 20	SW 9	591		
27	.95	.98	.97	.97	28	40	32	33	41	25	22	31	30	SW 36	SW 18	SW 20	518		
28	.83	.81	.74	.79	30	34	25	30	35	23	36	43	38	SW 40	SW 32	SW 28	690		
29	.70	.71	.70	.70	16	31	21	23	31	13	33	38	100	NE 32	NW 20	NW 12	729		
30	.63	.64	.72	.66	13	15	15	14	16	11	4	100	100	W 10	NE 22	NE 24	283		
31	.80	.88	.91	.86	10	23	16	16	24	10	38	47	100	N 8	0	W 4	352		
Means	.81	.82	.83	.82	21.5	31.4	24.3	25.7	33.0	18.3	30	46	42	32	24	26	20025		

REMARKS.

May 11. Snow, B. 1.15 P.M.; E. 1.40 P.M. of 12th.
12. " B. 3.00 P.M.; E. 4.10 P.M.

May 14. Snow, B. 1.40 P.M.; E. 2.30 P.M.
29. " B. 7.30 P.M.; E. D. N.

MAY, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	Hidden	K 5 SW	0	ks 10 SW	0	Cr	Cy	F
2	CK 5 W	K 3 SW	0	0	0	0	F	Cr	Cr
3	0	0	K 5 W	0	0	0	Cr	Cr	F
4	0	K 3 SW	K 5 N	0	0	0	Cr	Cr	F
5	K 8 SW	K 3 SW	Hidden	0	0	Fog	Cy	Cr	Fy
6	0	0	0	0	ks 5 SW	0	Cr	F	Cr
7	0	0	0	0	0	0	Cr	Cr	Cr
8	0	K 5 W	0	s 8	0	0	Cy	F	Cr
9	0	K 5 W	0	Haze	Haze	0	Hf	F	Cr
10	0	K 5 SW	0	s 5 SW	0	s 3	F	F	Cr
11	.	.02	.78	.80	K 3 SW	Hidden	Hidden	0	N 10	N 10	Cr	LS	HS
12	1.24	.52	.06	1.82	Hidden	Hidden	Hidden	N 10	Fog	Fog	HS	Fy	Fy
13	0	Hidden	Hidden	0	Fog	Fog	Cr	Fy	Fy
14	.	.04	.	.04	0	K 2 SW	0	0	ks 5 SW	s 5 SW	Cr	F	F
15	0	0	0	0	ks 8	0	Cr	Cy	Cr
16	0	0	0	0	ks 8 SW	s 5	Cr	Cy	F
17	0	K 8 SW	0	0	0	s 3	Cr	Cy	Cr
18	0	K 5 SW	0	0	0	0	Cr	F	Cr
19	K 3 SW	K 3 SW	0	s 3	0	0	F	Cr	Cr
20	0	K 5 SW	0	s 3	0	s 3	Cr	F	Cr
21	0	K 8 SW	0	0	0	s 3	Cr	Cy	Cr
22	0	K 3 SW	0	0	0	0	Cr	Cr	Cr
23	0	K 5 SW	0	0	0	s 5	Cr	F	F
24	0	K 3 SW	0	0	0	0	Cr	Cr	Cr
25	0	K 5 SW	0	0	0	0	Cr	F	Cr
26	0	K 5 SW	0	0	0	0	Cr	F	Cr
27	Hidden	0	0	s 10	s 5 SW	0	Cy	F	Cr
28	Hidden	K 8 SW	K 3 SW	s 10	0	0	Cy	Cy	Cr
29	.	.	.02	.02	0	0	Hidden	0	s 8 SW	N 10	Cr	Cy	LS
30	.03	.24	.20	.47	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	LS	LS
31	.03	.	.08	.11	CK 7 N	K 8	Hidden	0	0	N 10	F	Cy	LS
Total	1.30	.82	1.14	3.26									

REMARKS.

May 30. Snow, B. 9.20 A.M.; E. D. N.

May 31. Snow, B. 5.30 P.M. At intervals. Continued.

JUNE, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			24 Hours. Movement.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
	1	.92	.96	.98	.95	14	26	18	19	27	12	100	100	100	0	0		SW 2	43
2	.96	1.00	1.01	.99	14	23	18	18	24	12	82	86	53	N 4	NE 10	N 16	91
3	1.00	1.06	1.04	1.03	21	35	29	28	38	16	16	36	24	NE 24	NW 2	SW 28	360
4	1.02	1.04	1.03	1.03	31	39	31	34	46	27	18	55	38	NE 4	0	SW 10	339
5	.99	.97	.94	.97	31	36	31	33	40	28	38	71	48	W 8	SW 14	SW 36	188
6	.90	.88	.81	.86	32	37	32	34	39	28	40	53	59	W 36	SW 28	SW 48	663
7	.76	.75	.76	.76	25	33	29	29	39	23	50	70	45	SW 30	SW 18	SW 20	890
8	.75	.81	.82	.79	26	35	28	30	37	19	52	53	32	SW 22	SW 10	SW 8	362
9	.78	.84	.84	.82	25	35	28	29	36	20	38	45	32	SW 26	SW 4	SW 18	382
10	.84	.84	.83	.84	25	38	32	32	39	20	26	31	21	SW 6	SW 12	SW 16	210
11	.88	.90	.88	.89	33	42	32	36	44	26	42	66	40	S 9	SW 12	SW 14	200
12	.82	.85	.84	.84	30	38	30	33	38	28	78	38	57	SW 20	SW 24	SW 24	374
13	.80	.81	.83	.81	27	37	26	30	37	22	53	45	40	SW 4	SW 16	NW 14	331
14	.82	.89	.90	.87	23	34	27	28	35	20	60	70	64	N 8	SW 4	N 4	257
15	.90	.92	.91	.91	28	43	30	34	44	22	66	75	68	SW 8	0	SW 20	104
16	.88	.82	.85	.85	29	35	32	32	37	26	56	90	69	SW 20	SW 28	SW 24	320
17	.87	.89	.91	.89	31	40	33	35	40	26	48	48	32	SW 20	S 28	SW 24	520
18	.90	.91	.90	.90	31	41	32	35	43	27	48	65	50	SW 28	SW 28	SW 24	447
19	.88	.91	.90	.90	28	41	32	34	42	24	22	41	30	SW 28	SW 18	SW 4	410
20	.90	.94	.98	.94	23	39	29	30	39	23	100	55	45	S 6	SW 20	S 20	235
21	.97	1.00	1.01	.99	30	44	36	37	45	26	57	60	45	SW 30	SW 16	SW 16	540
22	1.01	1.02	1.00	1.01	35	44	36	38	48	31	36	52	45	W 26	SW 20	SW 16	389
23	.91	.96	.94	.94	35	46	39	40	49	30	45	19	19	SW 45	SW 16	NW 20	641
24	.95	.94	.97	.95	33	42	35	37	42	30	42	42	36	W 20	SW 26	S 20	497
25	.94	.94	.97	.95	33	40	39	37	46	30	32	39	25	SW 26	SW 26	W 36	574
26	1.00	1.00	1.00	1.00	33	48	35	39	48	30	42	36	36	SW 16	SW 32	SW 24	477
27	.99	1.01	1.01	1.00	34	46	38	39	47	31	16	0	38	NW 16	SW 9	W 2	431
28	1.02	.96	.97	.98	31	45	35	37	49	27	69	39	61	SW 2	SW 14	SW 24	52
29	.95	.92	.93	.93	33	45	38	39	46	31	42	31	31	SW 32	SW 16	SW 14	411
30	.93	.92	.93	.93	34	52	41	42	52	32	25	0	14	W 4	SW 6	W 10	217
Means	.91	.92	.92	.92	28.6	39.3	31.7	33.3	41.2	24.9	48	50	43	18	15	19	10955

REMARKS.

June 1. Snow, E. D. N.	June 14. Lt. Snow squalls during day.
2. " B. 12 M.; E. 2.15 P.M.	15. Sleet, B. 3.30 P.M. At intervals. E. 6.10 P.M.
5. Sleet, B. 2.10 P.M. At intervals. E. 2.55 P.M.	16. " B. 12.40 P.M.; E. 1.35 P.M.

JUNE, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.04	.02	.20	.26	Hidden	Hidden	Hidden	Fog	N 10	N 10	Fy LS LS		
2	.04	.08	.	.12	Hidden	Hidden	0	Fog	s 10	0	Fy Cy Cr		
3	0	K 3	CK 5	0	0	0	Cr Cr F		
4	CS 5	K 3	CS 3 W	0	KS 5	S 5	F Cy Cy		
5	.	.03	T	.03	C 5 W	Hidden	CS 3	0	S 7 SW	0	F Cy F		
6	0	CS 5 SW	CS 5	Haze	S 5 SW	0	HZ Cy F		
7	CS 8 SW	K 8 SW	CS 2 SW	0	0	0	Cy Cy Cr		
8	0	K 3 SW	0	0	0	0	Cr Cr Cr		
9	0	0	0	Haze	KS 5 SW	0	HZ F Cr		
10	0	K 3 SW	0	0	0	0	Cr Cr Cr		
11	CS 7	CK 7 SW	0	0	0	0	F F Cr		
12	CS 8 SW	K 2 SW	CS 2	0	0	0	Cy Cr Cr		
13	0	K 8 SW	CS 3 NW	0	0	0	Cr Cy Cr		
14	.	T	.01	.01	C 5 N	K 5 W	K 3	0	S 5 SW	0	F Cy F		
15	.	.	.06	.06	0	CK 3	CS 3	0	CS 5	0	Cr Cy F		
16	.	.05	.	.05	0	Hidden	0	0	S 10 SW	0	Cr Cy Cr		
17	0	CK 3 SW	0	0	0	0	Cr Cr Cr		
18	0	CK 2 SW	0	0	0	0	Cr Cr Cr		
19	CK 5 SW	K 5 SW	CS 5	0	0	0	F F F		
20	.02	.	.	.02	Hidden	K 7 SW	0	Fog	0	0	Fy F Cr		
21	0	K 5 SW	CS 3	Haze	Haze	0	HZ Hz F		
22	0	K 5 SW	CS 2	Haze	S 3 SW	0	HZ Cy Cr		
23	0	K 7 SW	CS 3	0	0	0	Cr F Cr		
24	0	CK 7 SW	CS 5	0	0	0	Cr F F		
25	K 5 SW	CK 8 SW	0	0	0	0	F Cy Cr		
26	0	CK 7 SW	0	0	0	0	Cr F Cr		
27	.	.	T	T	CS 5 NW	CS 7 W	0	0	0	0	F F Cr		
28	.	.	.09	.09	0	Hidden	CS 8 W	0	S 10 NW	0	Cr Cy Cy		
29	.	.04	.	.04	K 7 SW	CS 5 W	CS 3 SW	0	0	0	F F F		
30	0	C 2 SW	0	Haze	Haze	Haze	HZ Hz Hz		
Total	.10	.22	.36	.68									

REMARKS.

June 20. Sleet, B. D. N.; E. D. N.

27. Lt. Snow squall at 3.50 P.M.; lasted 2 minutes.

June 28. Snow, B. 3.16 P.M.; E 8.10 P.M.

29. Sleet, B. 11.10 A.M.; E. 11.30 A.M.

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JULY, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			24 Hours.			
														A.M. 5.42	P.M. 2.42	P.M. 9.07				
1	.93	.96	.95	.95	37	51	38	42	51	34	15	46	81	W	20	SE	16	SE	24	356
2	.88	.89	.90	.89	33	46	35	38	47	31	42	33	27	SW	40	SW	32	SW	24	661
3	.94	1.00	1.01	.98	33	46	34	38	47	30	23	33	34	SW	22	SW	18	S	30	503
4	1.01	1.06	1.06	1.04	34	50	38	41	51	32	34	32	72	SW	32	SW	20	SW	16	538
5	1.06	1.08	1.08	1.07	37	55	42	45	56	35	63	28	42	SW	28	SW	8	SW	12	472
6	1.02	1.06	1.05	1.04	37	55	45	46	55	35	53	28	46	W	20	W	10	SW	10	250
7	1.04	1.07	1.07	1.06	40	51	43	45	56	38	48	34	36	NW	3	SW	6	SW	14	184
8	1.09	1.08	1.09	1.09	38	51	41	43	55	36	31	59	74	NE	6	S	5	SW	10	177
9	1.06	1.06	1.03	1.05	42	48	41	44	50	38	42	63	82	NE	6	NE	16	SW	8	153
10	1.00	1.01	1.00	1.00	40	45	36	40	46	36	56	100	71	NE	12	NE	16	NE	8	278
11	1.00	1.01	1.02	1.01	40	50	40	43	50	35	39	58	73	NE	1	S	12	SW	20	158
12	1.02	1.03	1.05	1.03	42	57	44	48	58	34	27	52	45	SW	16	SW	12	SW	4	375
13	1.09	1.09	1.09	1.09	44	60	48	51	60	38	23	16	29	SW	10	SW	12	SW	14	232
14	1.09	1.13	1.13	1.12	42	58	48	49	62	39	19	42	29	NW	15	SW	6	SE	16	257
15	1.12	1.12	1.12	1.12	43	46	48	46	58	39	36	77	16	NE	12	E	10	SW	24	253
16	1.09	1.14	1.13	1.12	36	53	41	43	53	34	45	42	65	W	32	SW	11	SW	8	491
17	1.06	1.09	1.09	1.08	37	47	49	44	53	34	71	77	18	W	28	SW	16	SW	2	324
18	1.06	1.04	1.04	1.05	39	47	38	41	58	34	64	100	72	W	11	NW	8	NW	8	186
19	1.05	1.07	1.06	1.06	38	43	49	43	64	34	54	75	24	N	12	NE	7	S	12	247
20	1.04	1.06	1.07	1.06	39	42	40	40	47	34	73	74	73	SW	12	W	10	SW	20	230
21	1.10	1.13	1.13	1.12	39	45	42	42	49	36	64	68	74	NE	8	NE	11	SE	6	217
22	1.10	1.10	1.10	1.10	38	48	38	41	49	35	91	70	72	SW	26	SW	16	NE	20	302
23	1.09	1.09	1.07	1.08	40	48	42	43	52	35	39	56	50	NW	8	S	12	NW	10	209
24	1.03	1.04	1.06	1.04	36	46	40	41	49	34	53	69	65	NE	18	SW	14	SW	12	261
25	1.02	1.03	1.05	1.03	36	41	37	38	50	32	61	57	90	W	16	W	18	SW	24	345
26	1.02	.98	1.02	1.01	34	40	35	36	42	31	90	65	70	SW	26	W	16	NW	24	361
27	1.00	1.03	1.06	1.03	33	47	36	39	50	30	70	41	71	W	21	W	8	NW	8	379
28	1.07	1.08	1.12	1.09	36	51	40	42	58	33	61	34	82	NW	16	W	8	NW	3	227
29	1.12	1.12	1.13	1.12	39	52	42	44	56	35	73	11	27	NE	13	W	9	SW	10	169
30	1.14	1.13	1.14	1.14	40	51	45	45	56	37	19	28	31	N	10	E	8	S	28	226
31	1.07	1.07	1.06	1.07	41	44	40	42	55	37	57	76	56	SW	12	NE	8	SW	4	376
Means	1.05	1.06	1.06	1.06	38.2	48.8	41.1	42.7	53.0	34.7	49	53	55	17	12	14				9239

REMARKS.

July 4. Rain & Snow, B. 8.10 P.M.; E. 8.40 P.M.
 8. Rain, B. 3.15 P.M.; E. 8.45 P.M.
 9. " { B. 12.30 P.M.; E. 1.30 P.M.
 { B. 5.30 P.M.; E. 8.00 P.M.
 10. Hail, B. 2.15 P.M.; E. 5.30 P.M.
 11. Rain, B. D. N.; E. D. N.

July 11. Rain, B. 11.20 A.M.; E. 1.25 P.M.
 15. Hail, { B. 12.40 P.M.; E. 1.40 P.M.
 { B. 3.37 P.M.; E. 5.15 P.M.
 16. " { B. 3.47 P.M.; E. 5.00 P.M.
 { B. D. N.; E. D. N.
 17. Rain, { B. 12.13 P.M.; E. 1.50 P.M.

July 17. Rain, B. 3.00 P.M.; E. 5.10 P.M.
 18. " { B. D. N.; E. D. N.
 { B. 2.05 P.M.; E. 4.35 P.M.
 19. " { B. 2.50 P.M.; E. 4.10 P.M.
 { Hail, B. 1.15 P.M.; E. 3.00 P.M.
 { Rain, B. 3.00 P.M.; E. 5.43 P.M.

JULY, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	CK 7 SE	Hidden	0	0	Fog	Cr	F	Fy
2	0	0	0	0	0	s 8 sw	Cr	Cr	Cy
3	0	K 3 SW	0	0	Haze	Haze	Cr	HZ	HZ
4	.	.	.01	.01	0	K 5 SW	K 8 SW	0	0	0	Cr	F	Cy
5	K 8 SW	K 7 SW	Hidden	0	0	s 10	Cy	F	Cy
6	0	K 8 W	0	0	0	KS 5	Cr	Cy	F
7	K 3 NW	Hidden	0	0	s 10	0	Cr	Cy	Cr
8	.	.	.04	.04	0	Hidden	Hidden	Haze	KS 10	s 10	HZ	Cy	Cy
9	.	.09	.13	.22	0	K 8 NE	Hidden	Haze	0	KS 10	HZ	Cy	Cy
10	.	.14	.40	.54	0	Hidden	0	0	N 10	KS 5	Cr	Hail	F
11	.48	.04	.	.52	0	0	0	0	KS 5	0	Cr	F	Cr
12	0	K 3 SW	0	0	0	KS 5	Cr	Cr	F
13	0	K 3 SW	K 5 SW	0	0	0	Cr	Cr	F
14	CS 3 W	Hidden	Hidden	Smoke	KS 10	KS 10	Sm	Cy	Cy
15	.	.27	.14	.41	0	Hidden	Hidden	0	Fog	KS 10	Cr	Fy	Cy
16	.	.	.18	.18	K 3 W	K 5 SW	Hidden	s 3	KS 2 SW	s 10	F	F	Cy
17	.01	.05	.20	.26	K 5 W	Hidden	Hidden	0	KS 10	KS 10	F	Cy	Cy
18	.01	.05	.12	.18	K 2	Hidden	0	0	N 10	s 3 NW	Cr	LR	Cr
19	.	.	.03	.03	0	Hidden	0	0	KS 10	s 5	Cr	Cy	F
20	.	.15	.14	.29	K 3 SW	Hidden	0	KS 3 SW	N 10 W	s 3 SW	F	Hail	Cr
21	.04	.02	.26	.32	Hidden	K 5 NE	Hidden	KS 10 SW	KS 3 NE	N 10 SE	Cy	Cy	LR
22	.05	.03	.20	.28	Hidden	K 10 SW	Hidden	KS 10 SW	0	s 10 NE	Cy	Cy	Cy
23	.	.04	.28	.32	CK 7 W	CK 5 SW	CS 5	0	0	0	F	Cy	F
24	.	.	.03	.03	CK 7 NW	K 3 W	0	0	KS 7 SW	0	F	Cy	Cr
25	.	.15	.03	.18	0	Hidden	Hidden	Haze	N 10 W	Fog	HZ	Hail	Fy
26	.	.30	.	.30	K 8 SW	K 5 W	0	0	0	0	Cy	F	Cr
27	.	.	.06	.06	CK 3 SW	K 3 W	K 3	KS 3 SW	KS 7 W	0	F	Cy	Cr
28	.	.01	.	.01	0	K 3 W	K 2 W	0	KS 3 SW	s 3 W	Cr	F	F
29	0	K 3 SW	0	0	KS 5 SW	0	Cr	Cy	Cr
30	K 3 W	0	Hidden	KS 3 W	KS 5 NE	KS 10 SW	F	F	Cy
31	.	T	.03	.03	K 3 SW	Hidden	0	s 5 SW	N 10 s	0	Cy	LR	Cr
Total	.59	1.34	2.28	4.21									

REMARKS.

July 21. { Rain, B. D. N. ; E. D. N. { Hail, B. 1.55 P.M. ; E. 2.30 P.M. { Rain, B. 5.15 P.M. ; E. D. N. 22. Rain & Hail, { B. 12.45 P.M. ; E. 1.15 P.M. { B. 3.00 P.M. ; E. 8.10 P.M. 23. Hail, B. 12.40 P.M. ; E. 1.10 P.M.	July 23. Rain & Snow, B. 4.00 P.M. ; E. 6.45 P.M. 24. { Hail, B. 4.40 P.M. ; E. 4.55 P.M. { Rain & Snow, B. 5.30 P.M. ; E. 6.15 P.M. 25. Rain & Hail, { B. 12.40 P.M. At in- tervals. E. 5.45 P.M.	July 26. Hail, B. 11.00 A.M. ; E. 12.30 P.M. 27. Rain, B. 4.55 P.M. ; E. 5.20 P.M. 28. Hail, B. 2.10 P.M. ; E. 2.30 P.M. 31. Rain, B. 2.00 P.M. ; E. 5.00 P.M.
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AUGUST, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.					
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	24 Hours.		
1	1.04	1.10	1.11	1.08	39	46	41	42	51	36	55	62	65	W 20	NE 12	S 10	276		
2	1.11	1.10	1.11	1.11	39	47	41	42	55	36	64	70	82	S 9	SE 16	SW 12	224		
3	1.07	1.10	1.09	1.09	38	50	38	42	50	35	81	52	100	W 24	SW 4	NE 20	420		
4	1.06	1.05	1.04	1.05	33	46	36	38	47	32	100	77	90	NW 20	SW 12	SW 16	254		
5	.98	.99	1.01	.99	34	37	34	35	46	32	100	100	90	SW 20	NW 20	N 12	444		
6	1.00	1.02	1.04	1.02	32	38	32	34	42	30	100	81	100	NE 2	SE 4	SE 4	169		
7	1.03	1.05	1.06	1.05	32	34	32	33	35	30	100	90	59	0	NE 20	N 16	74		
8	1.05	1.10	1.11	1.09	31	35	28	31	36	24	69	70	77	N 22	NE 14	NE 28	387		
9	1.11	1.16	1.16	1.14	29	44	36	36	45	26	34	52	4	N 16	W 5	NE 18	367		
10	1.13	1.14	1.12	1.13	35	42	37	38	42	32	70	27	38	NE 6	NE 12	NE 20	294		
11	1.09	1.06	1.04	1.06	37	46	37	40	53	35	38	13	45	N 20	W 12	N 6	345		
12	1.02	1.03	.99	1.01	35	41	35	37	50	31	53	57	70	W 16	SE 4	W 20	247		
13	.98	.98	1.01	.99	33	36	33	34	42	30	79	80	70	NW 10	N 8	NW 16	263		
14	1.00	1.05	1.06	1.04	30	35	31	32	36	28	89	70	89	NE 20	NE 12	NE 16	420		
15	1.06	1.11	1.08	1.08	30	39	33	34	39	27	68	64	79	NE 14	NE 4	NW 8	264		
16	1.00	1.01	1.00	1.00	32	39	34	35	39	29	59	64	52	N 20	N 12	N 20	319		
17	.96	.96	.95	.96	36	47	35	39	48	33	45	41	70	NE 18	S 12	SW 12	368		
18	.96	.98	.99	.98	35	52	39	42	53	33	61	35	38	NW 24	SW 12	SW 18	433		
19	1.05	.99	.95	1.00	39	48	46	44	54	33	31	29	33	SW 12	S 14	SW 20	326		
20	.98	.99	.98	.98	34	48	48	43	50	31	70	23	16	SW 16	SW 12	SW 8	475		
21	1.00	.98	.97	.98	34	49	37	40	52	33	43	24	53	N 8	SW 6	SW 6	191		
22	.92	.89	.88	.90	33	49	45	42	51	30	51	31	39	SW 9	SW 12	SW 16	202		
23	.85	.90	.92	.89	33	43	37	38	45	30	61	67	63	W 14	SE 5	SW 18	336		
24	.92	1.00	1.04	.99	33	48	45	42	51	31	32	23	18	W 14	N 6	SW 12	265		
25	1.09	1.12	1.11	1.11	39	55	43	46	56	32	19	12	28	W 8	S 12	S 24	198		
26	1.11	1.09	1.08	1.09	40	55	47	47	56	38	31	7	28	W 24	SW 17	SW 19	444		
27	1.06	1.05	1.00	1.04	39	53	46	46	56	37	38	19	26	NW 22	SW 17	SW 17	394		
28	.95	.92	.88	.92	38	45	36	40	49	34	54	46	61	SW 32	SW 25	SW 44	569		
29	.88	.95	.98	.94	30	47	40	39	50	28	57	28	19	SW 28	SW 20	SW 20	717		
30	.97	1.03	1.07	1.02	29	42	35	35	44	23	34	19	53	SW 21	W 12	SW 10	426		
31	1.07	1.09	1.10	1.09	30	47	44	40	48	25	47	34	23	W 11	SW 10	SW 13	214		
Means	1.02	1.03	1.03	1.03	34.2	44.6	38.1	38.9	47.5	31.1	59	47	54	16	12	16	10470		

REMARKS.

<p>Aug. 1. { Rain, B. 4.10 P.M.; E. 5.20 P.M. { Hail, B. 2.10 P.M.; E. 2.30 P.M. 2. Rain, { B. 3.05 P.M.; E. 4.00 P.M. { B. 6.40 P.M.; E. 7.20 P.M. 3. Rain & Hail, { B. 3.00 P.M.; E. 4.10 P.M. { B. 7.05 P.M.; E.D.N.</p>	<p>Aug. 4. Rain & Snow, B. 5.00 P.M.; E. 7.45 P.M. 5. { Rain, B.D.N.; E.D.N. { " B. 12.45 P.M.; E. 2.00 P.M. { Rain & Snow, B. 3.10 P.M.; E. 6.20 P.M. 6. Snow, { B. 6.00 A.M.; E. 6.30 P.M. { B. 8.15 P.M.; E. 6.30 A.M. of 7th.</p>	<p>Aug. 7. Sleet, B. 11.00 A.M.; E. 1.15 P.M. 11. Hail, B. 4.15 P.M.; E. 5.00 P.M. { Snow & Sleet, B. 5.30 P.M.; { E. 7.10 P.M. 12. { Sleet, B. 2.00 P.M.; E. 8.05 P.M. 13. Hail & Snow, B. 2.30 P.M.; E. 6.30 P.M.</p>
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AUGUST, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.01	.12	.13	0	K 5 W	CK 7 S	0	0	0	Cr	F	F
2	.	.	.14	.14	CK 5 SW	Hidden	Hidden	0	KS 10 S	Fog	F	Cy	Fy
3	.	.	.18	.18	CK 5 SW	0	Hidden	0	KS 8 SW	N 10 NE	F	Cy	R
4	.59	.	.19	.78	Hidden	Hidden	Hidden	s 10 W	s 10 SW	KS 10 SW	Cy	Cy	Cy
5	.04	.06	.26	.36	Hidden	Hidden	Hidden	Fog	Fog	s 10	Fy	Fy	Cy
6	.	.35	.42	.77	Hidden	Hidden	Hidden	s 10	N 10	N 10	Cy	HS	Sn
7	.18	.20	.	.38	Hidden	Hidden	CS 3	N 10	KS 10 NE	0	LS	Cy	Cr
8	0	K 5 N	0	0	KS 2 NE	0	Cr	F	Cr
9	0	K 3 NW	0	0	0	0	Cr	Cr	Cr
10	0	K 3 N	0	0	0	0	Cr	Cr	Cr
11	.	.	.09	.09	C 3	CS 7 NW	CS 8	0	s 3 W	0	Cr	Cy	Cy
12	.	.06	.54	.60	CK 7 NW	Hidden	CS 5	0	N 10 NW	0	F	L.Slt	F
13	.	.13	.21	.34	K 5 NW	Hidden	CS 5 NW	0	N 10 NW	0	F	Hail	F
14	.07	.	.	.07	K 2 N	K 8 N	0	0	0	0	Cr	Cy	Cr
15	.	T	.03	.03	0	K 5 N	0	0	KS 5 SW	0	Cr	Cy	Cr
16	.	.	.04	.04	K 10 N	Hidden	0	0	KS 10 N	0	Cy	Cy	Cr
17	.	.02	.11	.13	0	CK 7 NW	CS 3	0	0	0	Cr	F	Cr
18	.	.10	.06	.16	CS 5 NW	Hidden	0	0	N 10 SW	0	F	Slt	Cr
19	.	.	.02	.02	K 3	Hidden	0	0	s 10 S	KS 2	Cr	Cy	Cr
20	.	.	T	T	K 2	K 2 SW	K 5 SW	0	KS 3 SW	0	Cr	F	F
21	.	.	.06	.06	K 2 N	K 3 SW	K 2	0	KS 5 SW	0	Cr	Cy	Cr
22	.	.	.04	.04	CS 5	K 3 SW	Hidden	0	KS 4 SW	KS 10 SW	F	F	Cy
23	.	.	.14	.14	0	Hidden	0	Haze	KS 7 SW	0	HZ	Cy	Cr
24	0	K 2 SW	0	Haze	Haze	0	HZ	HZ	Cr
25	0	0	0	Haze	Haze	0	HZ	HZ	Cr
26	0	K 2	0	Haze	Haze	0	HZ	HZ	Cr
27	K 2 NW	K 5 W	0	0	0	0	Cr	F	Cr
28	.	.	.02	.02	K 2 SW	K 5 SW	K 3 SW	Haze	KS 5 SW	KS 7 SW	HZ	Cy	Cy
29	.03	.	.	.03	Hidden	K 3 S	K 2 SW	Fog	0	0	Fy	F	Cr
30	0	K 2 SW	0	Haze	Haze	Haze	HZ	HZ	HZ
31	0	K 2 SW	0	Haze	Haze	Haze	HZ	HZ	HZ
Total	.91	.93	2.67	4.51									

REMARKS.

Aug. 13. { Snow, B. 12.30 P.M.; E. 1.20 P.M.
 " B. 1.40 P.M.; E. 2.30 P.M.
 Sleet, B. 10.15 P.M.; E. D. N.
 15. { Snow, B. 2.10 P.M.; E. 2.20 P.M.
 Sleet, B. 7.10 P.M.; E. 7.30 P.M.
 16. Snow & Rain, B. 8.20 P.M. E. 5.10 P.M.

Aug. 17. { Sleet, B. 1.45 P.M.; E. 1.50 P.M.
 Rain & Sleet, B. 4.15 P.M. At in-
 tervals. E. 7.30 P.M.
 18. Sleet, B. 2.15 P.M.; E. 4.00 P.M.
 19. Snow, B. 3.15 P.M.; E. 4.45 P.M.
 20. " B. 6.30 P.M.; E. 7.00 P.M.

Aug. 21. Snow, B. 4.15 P.M.; E. 6.00 P.M.
 22. " B. 6.30 P.M.; E. 8.00 P.M.
 23. Hail, B. 4.00 P.M.; E. 5.30 P.M.
 28. Snow, B. 3.30 P.M.; E. 6.20 P.M.
 29. " B. D. N.; E. D. N.

SEPTEMBER, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	1.00	1.06	1.08	1.05	34	54	37	42	54	32	34	0	31	NW 16	SW 12	NE 6	213
2	1.06	1.08	1.12	1.09	35	49	34	39	49	32	27	18	43	0	S 10	NE 16	109
3	1.09	1.08	1.12	1.10	31	32	32	32	40	28	69	89	59	SW 24	W 14	N 8	318
4	1.11	1.08	1.08	1.09	31	49	35	38	49	28	58	57	36	NE 8	SW 12	N 8	196
5	1.08	1.08	1.10	1.09	32	47	35	38	48	30	59	34	36	N 10	SW 10	NW 7	207
6	1.08	1.07	1.08	1.08	32	44	35	37	46	29	59	9	80	NW 20	NW 12	NE 16	317
7	1.10	1.10	1.10	1.10	32	46	38	39	48	29	59	19	25	SW 10	W 12	SW 9	213
8	1.09	1.07	1.07	1.08	33	49	38	40	49	29	51	71	31	NW 12	NW 12	NW 10	314
9	1.03	1.02	1.02	1.02	35	49	42	42	53	27	45	11	19	NW 16	SW 8	SW 11	264
10	.98	.97	.97	.97	37	47	37	40	53	35	38	15	38	W 16	W 15	NW 24	413
11	.98	1.03	1.06	1.02	33	44	27	35	42	27	61	9	30	SW 24	SW 13	NW 18	412
12	1.07	1.10	1.13	1.10	31	37	32	33	42	27	58	38	59	NE 14	NW 5	NW 7	206
13	1.09	1.09	1.09	1.09	32	42	35	36	45	28	59	19	36	NW 9	NW 6	NW 16	253
14	1.06	1.06	1.10	1.07	32	40	34	35	40	29	59	25	43	W 18	W 8	NW 12	376
15	1.09	1.11	1.14	1.11	33	44	37	38	45	30	42	16	38	W 20	W 6	NW 4	254
16	1.11	1.11	1.09	1.10	36	53	37	42	54	33	45	6	45	SW 8	SW 10	SW 6	187
17	1.07	1.04	1.05	1.05	35	46	35	39	48	34	45	33	45	W 7	SE 5	SE 12	202
18	1.04	1.02	1.03	1.03	30	42	28	33	42	25	36	50	54	NW 12	SW 14	SW 16	310
19	1.03	1.04	1.07	1.05	28	32	29	30	34	26	32	79	34	NW 8	W 4	SW 9	197
20	1.00	1.04	1.03	1.02	28	38	35	34	40	25	54	31	36	N 22	NE 4	SW 16	372
21	1.05	1.01	1.02	1.03	31	40	36	36	44	30	38	25	45	W 22	W 16	W 8	356
22	1.04	1.02	1.02	1.03	28	36	31	32	40	26	43	61	58	W 4	SE 6	W 24	279
23	1.01	1.04	1.05	1.03	28	32	30	30	40	26	77	69	68	NW 14	NW 8	W 14	397
24	1.04	1.06	1.08	1.06	29	36	34	33	44	27	67	61	43	W 16	SW 32	SW 12	420
25	1.02	1.00	.98	1.00	29	43	34	35	44	27	45	21	52	W 26	W 10	W 17	449
26	.94	.97	.98	.96	27	45	45	39	45	26	42	24	61	W 22	SW 14	SW 10	412
27	.94	.81	.77	.84	30	31	29	30	43	27	47	89	100	SW 16	SW 22	SW 10	381
28	.78	.80	.82	.80	23	39	36	33	39	20	60	55	37	NW 8	SW 9	SW 12	216
29	.78	.80	.87	.82	30	41	32	34	42	27	68	65	69	SE 3	W 12	N 8	206
30	.93	.97	.94	.95	29	44	41	38	44	26	78	60	57	SW 10	SW 14	S 42	461
Means	1.02	1.02	1.04	1.03	31.1	42.4	34.7	36.1	44.9	28.2	52	39	47	14	11	13	8805

REMARKS.

Sept. 3. Hail, B. 1.42 P.M.; E. 2.30 P.M.
8. Snow, B. 4.17 P.M.; E. 4.25 P.M.

Sept. 10. Rain, B. 1.57 P.M.; E. 2.07 P.M.
23. Snow, B. 1.15 P.M.; E. 8.20 P.M.

SEPTEMBER, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	K 3 SW	0	Smoke	Smoke	Smoke	Sm	Sm	Sm
2	0	K 8	0	Smoke	0	s 5 NE	Sm	Cy	F
3	.	.04	.	.04	Hidden	Hidden	0	s 10	s 10	0	Cy	Cy	Cr
4	0	K 3 W	Hidden	Smoke	Smoke	s 10	Sm	Sm	Cy
5	0	0	0	Smoke	Smoke	Smoke	Sm	Sm	Sm
6	0	K 7 W	Hidden	Smoke	Smoke	s 10	Sm	Cy	Cy
7	0	Hidden	0	Smoke	s 10	s 5	Sm	Cy	F
8	.	.	T	T	CS 3 NW	0	Hidden	Smoke	s 8	s 10	Sm	Cy	Cy
9	0	K 7 W	0	Smoke	Smoke	Smoke	Sm	Cy	Sm
10	.	T	.	T	0	K 3 W	0	Smoke	ks 7 SW	0	Sm	Cy	Cr
11	0	K 8 SW	0	0	0	0	Cr	Cy	Cr
12	0	0	0	Smoke	Smoke	Smoke	Sm	Sm	Sm
13	0	0	0	Smoke	Smoke	Smoke	Sm	Sm	Sm
14	0	0	0	Smoke	Smoke	Smoke	Sm	Sm	Sm
15	0	0	0	Smoke	Smoke	Smoke	Sm	Sm	Sm
16	0	0	0	Smoke	Smoke	Smoke	Sm	Sm	Sm
17	0	0	0	Smoke	Smoke	Smoke	Sm	Sm	Sm
18	Hidden	0	0	s 10	Smoke	Smoke	Cy	Sm	Sm
19	0	Hidden	Hidden	Smoke	ks 10 W	s 10	Sm	Cy	Cy
20	CS 5	K 7 NE	K 7 NE	Smoke	Smoke	Smoke	Sm	Cy	Cy
21	CS 5 W	K 3 W	K 3 W	Smoke	ks 7 W	Smoke	Sm	Cy	Sm
22	CS 3 W	CS 10 SE	CS 5	Smoke	Smoke	0	Sm	Cy	F
23	.	.10	.08	.18	CS 8 N	Hidden	Hidden	0	N 10 NW	Fog	Cy	Sn	Fy
24	.	.03	.	.03	K 5 NW	Hidden	0	0	s 10 SW	Smoke	F	Cy	Sm
25	0	K 5 SW	CK 5 W	0	0	0	Cr	F	F
26	CS 3	K 2 W	0	0	0	0	Cr	Cr	Cr
27	.	.10	.25	.35	CS 7 W	Hidden	Hidden	0	N 10 SW	N 10 SW	F	Sn	Sn
28	.03	.	.	.03	CS 10 NW	0	CS 5	0	0	0	Cy	Cr	F
29	.	.05	.	.05	Hidden	K 5 SW	CK 5 W	s 10	0	0	Cy	F	F
30	Hidden	K 3 SW	Hidden	ks 10 SW	ks 5 SW	Fog	Cy	Cy	Fy
Total	.03	.32	.33	.68									

REMARKS.

Sept. 24. Snow, B. 1.25 P.M.; E. 2.30 P.M.
27. " B. 12.10 P.M.; E. D. N.

Sept. 29. Snow, B. 6.00 A.M.; E. 9.00 A.M.

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OCTOBER, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.84	.89	.91	.88	28	43	31	34	43	26	43	67	48	sw 52	sw 30	nw 18	723
2	.98	1.07	1.10	1.05	20	38	30	29	38	18	27	54	47	n 14	sw 10	nw 8	257
3	1.08	1.05	1.05	1.06	28	40	30	33	41	25	32	39	36	nw 5	w 5	w 6	132
4	1.01	1.01	1.10	1.04	35	45	35	38	46	30	36	31	36	w 15	sw 10	sw 14	228
5	.96	.93	.80	.90	34	46	34	38	47	30	25	13	43	sw 2	sw 16	sw 24	393
6	.65	.70	.75	.70	28	35	28	30	36	25	43	36	32	sw 40	sw 18	sw 17	719
7	.71	.76	.74	.74	27	42	33	34	44	23	30	27	42	sw 28	sw 11	sw 28	574
8	.74	.66	.58	.66	30	39	27	32	40	26	57	73	64	sw 24	sw 38	sw 38	770
9	.57	.65	.74	.65	8	21	16	15	27	5	11	43	33	sw 64	sw 34	sw 28	913
10	.76	.77	.73	.75	15	29	24	23	31	11	0	34	36	sw 32	sw 38	sw 52	801
11	.76	.88	.89	.84	19	38	29	29	38	17	10	54	45	sw 44	sw 20	sw 34	887
12	.88	.89	.88	.88	24	40	33	32	42	14	36	39	42	sw 38	s 24	sw 24	703
13	.86	.87	.88	.87	29	41	32	34	41	27	89	82	79	sw 38	sw 30	sw 20	729
14	.82	.75	.76	.78	30	35	33	33	35	27	100	80	100	sw 30	s 48	s 32	806
15	.59	.30	.41	.43	25	11	8	15	34	3	100	80	100	sw 18	s 30	s 18	558
16	.54	.72	.76	.67	7	16	12	12	17	4	77	83	80	nw 16	nw 4	n 32	447
17	.88	1.02	1.07	.99	16	27	23	22	28	11	66	30	60	ne 26	nw 8	nw 12	477
18	1.12	1.17	1.18	1.16	23	33	24	27	35	19	34	61	48	nw 12	sw 10	ne 6	169
19	1.14	1.10	1.08	1.11	23	32	27	27	35	17	34	40	42	n 4	ne 4	nw 12	222
20	1.00	.98	.96	.98	23	32	28	28	37	23	34	30	54	ne 16	nw 4	ne 24	408
21	.89	.88	.91	.89	25	31	26	27	32	23	62	48	52	nw 32	nw 16	nw 16	588
22	.94	.98	1.00	.97	22	34	28	28	35	20	18	25	11	w 16	sw 16	sw 24	397
23	1.01	1.03	1.04	1.03	21	32	26	26	32	20	29	50	28	nw 22	nw 15	w 18	448
24	1.01	.95	.94	.97	21	32	24	26	33	19	29	40	24	nw 16	w 10	nw 12	347
25	.87	.86	.87	.87	19	27	12	19	28	11	39	30	100	n 32	nw 10	nw 14	383
26	.91	.97	1.00	.96	5	15	17	12	18	3	50	30	35	ne 14	nw 6	ne 20	335
27	1.02	1.05	1.02	1.03	16	28	23	22	29	13	16	43	34	ne 16	w 12	nw 14	328
28	.96	.90	.83	.90	23	30	25	26	30	20	0	26	14	n 32	nw 24	nw 36	593
29	.83	.76	.75	.78	21	29	22	24	29	20	0	14	0	nw 10	sw 26	sw 28	522
30	.70	.74	.74	.73	16	26	17	20	28	15	0	17	35	w 34	sw 20	nw 14	611
31	.71	.74	.74	.73	12	20	15	16	23	10	0	41	30	nw 32	nw 14	w 28	623
Means	.86	.87	.88	.87	21.7	31.9	24.9	26.2	33.9	17.9	36	44	46	25	18	22	16091

REMARKS.

Oct. 14. Hail, B. 4.35 P.M.; E. 5.40 P.M.

Oct. 14. Hail, B. 9.00 P.M.; E. D. N.

OCTOBER, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	0	0	CK 5 W	0	0	0	Cr	Cr	F
2	K 2	0	0	0	0	s 2	Cr	Cr	Cr
3	0	0	0	0	s 2	0	Cr	Cr	Cr
4	0	0	0	0	Smoke	0	Cr	Sm	Cr
5	0	0	0	0	0	0	Cr	Cr	Cr
6	0	K 5 SW	0	s 2	0	0	Cr	F	Cr
7	0	0	0	0	0	0	Cr	Cr	Cr
8	0	K 2	CS 3	0	0	0	Cr	Cr	Cr
9	0	CK 3 SW	0	0	0	0	Cr	Cr	Cr
10	0	0	0	0	0	0	Cr	Cr	Cr
11	0	0	0	0	0	0	Cr	Cr	Cr
12	0	K 3	0	0	0	0	Cr	Cr	Cr
13	CS 5 SW	K 5 SW	CS 5	KS 2 SW	0	0	F	F	F
14	.	.	.13	.13	Hidden	Hidden	Hidden	Fog	s 10	s N 10	Fy	Cy	Hail
15	.33	.	.02	.35	Hidden	K 5 SW	Hidden	Fog	0	N 10	Fy	F	LS
16	.05	.	.	.05	Hidden	K 5 NE	0	s 10 N	0	0	Cy	F	Cr
17	CS 3	CK 3	0	0	0	0	Cr	Cr	Cr
18	0	0	0	0	0	0	Cr	Cr	Cr
19	CS 2	0	0	0	0	0	Cr	Cr	Cr
20	0	C 5 NW	CS 3	0	0	0	Cr	F	Cr
21	CS 5 N	CK 5 NW	c 7	0	0	0	F	F	F
22	CS 3	CS 2	CS 7	0	0	0	Cr	Cr	F
23	CS 7 NW	0	0	0	0	0	F	Cr	Cr
24	0	0	0	0	0	0	Cr	Cr	Cr
25	.	.	.20	.20	CS 8	Hidden	Hidden	0	s 10 NW	N 10 NW	Cy	Cy	HS
26	.03	.	.	.03	CS 3	0	0	0	0	0	Cr	Cr	Cr
27	0	0	0	0	0	0	Cr	Cr	Cr
28	0	0	0	0	0	0	Cr	Cr	Cr
29	0	0	0	0	0	0	Cr	Cr	Cr
30	0	CS 2	CK 5 W	0	0	0	Cr	Cr	F
31	CK 2	CK 3 W	CS 2	0	0	0	Cr	F	Cr
Total	.41	.	.35	.76									

REMARKS.

Oct. 15. Snow, B. 9.00 P.M.; E. D. N.

Oct. 25. Snow, B. 4.30 P.M.; E. D. N.

NOVEMBER, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	A.M. 5.42	P.M. 2.42	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07	
1	.72	.81	.84	.79	10	18	13	14	20	10	38	37	26	NW 36	NW 12	NW 32	607
2	.86	.83	.87	.85	12	25	13	17	26	11	23	26	26	NE 34	SW 20	N 23	592
3	.91	.89	.85	.88	12	23	22	19	26	11	23	34	45	NW 12	NW 12	SW 26	451
4	.77	.80	.83	.80	19	27	18	21	27	17	25	30	37	SW 9	SE 4	SW 15	284
5	.84	.84	.86	.85	16	25	22	21	25	14	33	38	32	SW 28	NW 20	N 29	566
6	.81	.78	.69	.76	23	31	23	26	33	22	21	28	34	SW 26	SW 28	SW 38	870
7	.58	.46	.44	.49	13	24	14	17	26	11	26	36	100	SW 26	SW 30	SW 16	666
8	.41	.34	.35	.37	5	14	5	8	15	3	50	46	100	SW 10	SW 34	SW 12	431
9	.41	.49	.50	.47	0	12	11	8	12	0	70	61	80	SW 44	SW 50	SW 26	803
10	.49	.51	.59	.53	9	16	12	12	17	9	100	100	80	W 12	SW 13	SW 4	295
11	.59	.56	.58	.58	10	18	17	15	19	10	100	84	83	NE 2	NE 4	NW 24	293
12	.47	.52	.52	.50	13	18	8	13	19	3	26	37	33	SW 60	SW 64	SW 28	1070
13	.44	.42	.39	.42	1	7	- 4	1	8	- 6	71	100	65	SW 24	SW 14	W 44	646
14	.35	.31	.38	.35	1	7	4	4	8	- 7	42	100	100	W 44	NW 50	W 20	952
15	.42	.51	.51	.48	- 1	10	12	7	12	- 3	100	79	100	SW 20	SW 26	SW 20	494
16	.47	.48	.56	.50	12	8	- 6	5	14	- 8	100	100	100	NE 8	N 4	N 28	286
17	.67	.73	.75	.72	- 12	- 1	- 12	- 8	- 1	- 15	100	100	75	NW 6	NW 8	NE 22	317
18	.81	.92	.98	.90	- 2	12	18	9	20	- 15	67	42	37	NE 24	NE 20	NE 24	654
19	.99	1.00	1.01	1.00	15	18	17	17	21	15	65	22	35	NE 18	W 20	NW 24	504
20	.96	.92	.93	.94	14	20	16	17	22	13	28	27	16	NW 22	N 28	N 16	545
21	.91	.90	.87	.89	13	20	20	18	21	13	26	41	41	N 28	N 30	NW 36	681
22	.84	.84	.85	.84	18	21	16	18	22	14	7	29	33	NW 36	NW 24	NW 24	657
23	.88	.86	.84	.86	15	24	17	19	25	15	0	11	0	NW 16	NW 18	W 16	467
24	.81	.78	.77	.79	13	21	16	17	22	13	0	16	0	NW 2	SW 14	SW 16	314
25	.66	.61	.52	.60	12	20	11	14	23	8	0	27	20	SW 16	SW 36	SW 48	856
26	.44	.44	.41	.43	8	15	6	10	15	3	0	14	100	SW 46	S 12	SW 20	694
27	.32	.31	.40	.34	4	3	- 6	0	8	- 8	100	100	100	SW 12	N 20	NW 38	494
28	.44	.60	.70	.58	- 8	5	10	2	11	- 9	100	75	58	NW 60	NW 40	NW 56	1120
29	.76	.73	.77	.75	9	13	12	11	18	8	57	44	42	NW 32	NW 36	NW 34	800
30	.75	.78	.78	.77	15	21	18	18	22	12	30	29	37	NW 36	NW 22	NW 36	719
Means	.66	.67	.68	.67	9.0	16.5	11.4	12.3	18.5	5.5	48	50	54	25	24	26	18128

REMARKS.

Nov. 7. Snow, B. 8.30 P.M.; E. D. N.
 8. " B. 5.30 P.M.; E. D. N.
 9. " B. 9.00 P.M.; E. D. N.

Nov. 13. Snow, B. 12 M.; E. 4.30 P.M.
 14. " { B. 11.40 A.M.; E. 12.30 P.M.
 { B. 8.10 P.M.; E. D. N.

NOVEMBER, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	CS 2	K 5 NW	0	0	0	0	Cr	F	Cr
2	.	.	.	.	CS 7 NE	CS 5 SW	0	0	0	0	F	F	Cr
3	.	.	.	.	0	CS 3 NW	0	0	0	s 5 SW	Cr	Cr	F
4	.	.	.	.	0	0	0	s 2	s 8 SE	0	Cr	Cy	Cr
5	.	.	.	.	0	Hidden	0	s 8 SW	s 10	s 5	Cy	Cy	F
6	.	.	.	.	0	0	0	s 2	0	0	Cr	Cr	Cr
7	.	.	.03	.03	CS 5	CK 7 SW	Hidden	0	0	N 10 SW	F	F	LS
8	.06	.	.05	.11	Hidden	Hidden	Hidden	Fog	s 10 SW	N 10 SW	Fy	Cy	LS
9	.03	.	.01	.04	CS 5	0	Hidden	s 3 SW	KS 8 W	N 10 SW	Cy	Cy	LS
10	.05	.	.	.05	Hidden	Hidden	KS 7	Fog	s 10 SW	0	Fy	Cy	F
11	.	.	.	.	Hidden	0	0	Fog	K 5	0	Fy	F	Cr
12	.	.	.	.	CK 2	CK 2	0	0	0	0	Cr	Cr	Cr
13	.	.04	.35	.39	Hidden	Hidden	0	Fog	N 10 SW	0	Fy	LS	Cr
14	.	.03	.04	.07	CK 3	Hidden	Hidden	0	s 10 W	N 10 W	Cr	Cy	LS
15	.04	.	.09	.13	Hidden	K 3 W	Hidden	Fog	KS 5 SW	N 10 SW	Fy	Cy	HS
16	.86	.17	.20	1.23	Hidden	Hidden	Hidden	N 10 NE	N 10 N	N 10 N	S	LS	S
17	.12	.01	.04	.17	CS 5	C 3	0	s 5 NW	N 5 W	0	Cy	LS	Cr
18	.	.	.	.	0	CK 5 N	0	0	0	0	Cr	F	Cr
19	.	.	.	.	0	CK 2	0	0	0	0	Cr	Cr	Cr
20	.	.	.	.	0	C 3	0	0	0	0	Cr	Cr	Cr
21	.	.	.	.	0	CS 2	CS 2	0	0	0	Cr	Cr	Cr
22	.	.	.	.	CS 3	CS 2	0	0	0	0	Cr	Cr	Cr
23	.	.	.	.	0	CS 2	CS 2	0	0	0	Cr	Cr	Cr
24	.	.	.	.	CS 2	CS 3	CS 3	0	0	0	Cr	Cr	Cr
25	.	.	.	.	CS 7	CS 7	CS 5	0	0	0	F	F	F
26	.	.	.03	.03	CS 3	CS 10 SW	Hidden	0	0	N 10 SW	Cr	Cy	LS
27	.09	.04	.02	.15	Hidden	Hidden	0	N 10	N 10 N	0	LS	LS	Cr
28	.	.	.	.	CS 7 N	CS 7 NW	CS 10	0	0	0	F	F	Cy
29	.	.	.	.	CS 10 NW	CS 7 NW	CS 7 NW	0	0	0	Cy	F	F
30	.	.	.	.	CS 10 NW	CS 10 NW	CS 10 NW	0	0	0	Cy	Cy	Cy
Total	1.25	.29	.86	2.40									

REMARKS.

Nov. 15. Snow, B. 8.20 P.M.; E. D. N. of 16th.
17. " B. 7.10 A.M.; E. 6.40 P.M.

Nov. 26. Snow, B. 5.20 P.M.; E. 3.15 P.M. of 27th.

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DECEMBER, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
				Mean.				Mean.	Max.	Min.				Direction and Velocity in Miles per Hour.			24 Hours.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07		A.M. 5.42	P.M. 2.42	P.M. 9.07				A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.72	.68	.63	.68	15	21	14	17	23	14	30	43	28	W 48	W 40	SW 44	885		
2	.64	.61	.65	.63	8	10	12	10	14	5	55	58	42	NW 8	NW 25	W 25	683		
3	.62	.49	.42	.51	10	19	10	13	19	9	58	39	38	W 40	W 52	W 32	787		
4	.36	.34	.46	.39	4	0	1	2	10	-2	74	39	42	NW 12	N 12	N 8	623		
5	.44	.46	.42	.44	6	12	11	10	12	-2	52	42	40	N 32	NW 44	W 24	561		
6	.40	.44	.41	.42	5	11	6	7	13	4	50	60	52	N 14	S 14	SW 12	558		
7	.24	.35	.42	.34	2	6	3	4	9	2	100	52	46	SW 24	S 34	SW 38	490		
8	.34	.23	.20	.26	4	11	7	7	11	2	48	60	100	SW 40	SW 28	SW 14	886		
9	.19	.10	.15	.15	2	-4	-13	-5	7	-13	100	100	100	SW 10	S 14	W 24	242		
10	.14	.20	.33	.22	-20	-13	-12	-15	-12	-23	100	100	100	SW 32	W 2	SW 10	513		
11	.32	.34	.35	.34	-23	-6	-4	-11	-4	-25	100	100	100	W 26	N 48	W 48	490		
12	.35	.42	.44	.40	-6	1	-8	-5	1	-10	100	100	100	N 22	N 2	SW 5	830		
13	.30	.32	.38	.33	-3	-2	-3	-3	0	-4	100	100	100	W 38	W 33	NW 6	582		
14	.48	.50	.59	.52	-3	-1	-3	-2	0	-4	100	100	100	W 14	N 24	N 24	425		
15	.61	.60	.58	.60	3	10	13	9	13	2	100	58	62	W 32	W 52	W 60	713		
16	.54	.55	.59	.56	10	15	15	13	16	7	58	48	48	W 60	W 53	W 44	1360		
17	.54	.58	.60	.57	8	15	12	12	16	8	55	48	61	W 52	W 48	W 52	1195		
18	.48	.51	.50	.50	8	15	9	11	15	8	55	48	57	W 50	SW 50	SW 54	1222		
19	.48	.53	.50	.50	7	13	9	10	13	6	54	62	57	SW 56	SW 44	SW 68	1193		
20	.51	.52	.47	.50	9	16	12	12	16	7	57	49	61	SW 60	SW 53	SW 40	1392		
21	.34	.20	.32	.29	6	5	-3	3	12	-3	52	100	100	NW 10	W 22	NW 13	645		
22	.34	.25	.23	.27	-8	1	-3	-3	2	-9	100	71	100	SW 10	W 14	W 12	333		
23	.14	.05	.07	.09	-6	-4	-10	-7	-2	-10	100	100	100	W 12	W 9	W 18	257		
24	.13	.16	.25	.18	-14	-10	-31	-18	-10	-31	100	100	100	SW 9	W 16	NW 30	569		
25	.50	.66	.72	.63	-17	10	15	3	15	-31	100	38	48	N 54	NW 42	N 60	281		
26	.78	.75	.63	.72	18	20	12	17	20	12	53	41	61	W 34	SW 32	W 45	971		
27	.57	.55	.44	.52	10	18	14	14	20	10	58	68	100	SW 54	SW 48	W 32	1124		
28	.31	.34	.39	.35	11	13	9	11	14	8	100	100	100	SW 21	NW 10	SW 6	671		
29	.35	.41	.48	.41	8	5	6	6	10	3	100	75	100	SW 24	SE 26	SE 9	178		
30	.45	.49	.60	.51	5	7	-3	3	9	-3	100	100	66	SE 8	NW 17	NW 12	256		
31	.74	.78	.78	.77	0	6	9	5	9	-7	39	52	57	SE 11	SW 22	W 10	290		
Means	.43	.43	.45	.44	1.9	7.1	3.4	4.2	9.4	-2.3	76	69	73	30	30	28	20984		

REMARKS.

Dec. 4. Snow, B. 7.10 A.M.; E. 1.30 P.M.
 5. " B. 8.30 P.M.; E. D. N.
 8. " B. 1.15 P.M.; E. D. N.

Dec. 14. Snow, B. 4.00 P.M.; E. D. N.
 21. " B. D. N.; E. 12.30 P.M.
 23. " B. 11.00 A.M.; E. D. N.

DECEMBER, 1879.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.42	P.M. 2.42	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.42	P.M. 2.42	P.M. 9.07
					A.M. 5.42	P.M. 2.42	P.M. 9.07	A.M. 5.42	P.M. 2.42	P.M. 9.07			
1	.	.	.	.	CS 7	CS 10 NW	CS 7	0	0	0	F	Cy	F
2	.	.	.	.	CS 3	K 3 NW	CS 3	0	0	0	Cr	Cr	Cr
3	.	.	.	.	CS 3	CS 7	CS 7	0	0	0	Cr	F	F
4	.	.23	.	.23	Hidden	Hidden	0	s 10	N 10	0	Cy	S	Cr
5	.	.	.02	.02	CS 5	CS 5	Hidden	0	0	N 10	Cr	Cr	S
6	.12	.	.	.12	Hidden	K 7 SW	CS 5	Fog	s 3 NW	0	Fy	Cy	Cr
7	.	.	.	.	CS 7	CK 3 W	0	0	0	0	F	Cr	Cr
8	.	.	.56	.56	0	Hidden	Hidden	0	Fog	N 10	Cr	Fy	S
9	.15	.	.	.15	Hidden	Hidden	0	N 10	Fog	0	LS	Fy	Cr
10	.	.	.	.	CS 7	Hidden	0	0	s 10	s 5	F	Cy	F
11	.	.	.	.	0	CS 5 NW	CS 3	0	0	0	Cr	Cr	Cr
12	.	.	.	.	0	Hidden	0	0	Fog	0	Cr	Fy	Cr
13	.	.	.	.	CS 10	Hidden	0	0	Fog	s 5	Cy	Fy	F
14	.	.	.25	.25	Hidden	Hidden	Hidden	Fog	Fog	N 10	Fy	Fy	S
15	.06	.	.	.06	0	CS 10 NW	0	0	0	0	Cr	Cy	Cr
16	.	.	.	.	CS 5	CS 5 NW	0	0	0	0	Cr	Cr	Cr
17	.	.	.	.	0	CS 3 NW	0	0	0	0	Cr	Cr	Cr
18	.	.	.	.	CS 3	0	CS 3	0	0	0	Cr	Cr	Cr
19	.	.	.	.	CS 3	CS 5 W	CS 3	0	0	0	Cr	Cr	Cr
20	.	.	.	.	CS 3	CS 3	Hidden	0	0	Fog	Cr	Cr	Fy
21	.32	.12	.	.44	Hidden	Hidden	Hidden	N 10	Fog	Fog	LS	Fy	Fy
22	.	.	.	.	Hidden	0	Hidden	Fog	s 5 SW	Fog	Fy	F	Fy
23	.	.03	.12	.15	Hidden	Hidden	Hidden	Fog	N 10	N 10	Fy	LS	LS
24	.08	.	.	.08	Hidden	Hidden	0	Fog	Fog	0	Fy	Fy	Cr
25	.	.	.	.	0	CS 5 NW	CS 3	0	0	0	Cr	Cr	Cr
26	.	.	.	.	0	CS 2	CS 3	0	0	0	Cr	Cr	Cr
27	.	.	.06	.06	CS 3	CK 5 W	Hidden	0	0	N 10	Cr	F	LS
28	.05	.	.	.05	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy
29	.33	.07	.	.40	Hidden	CS 5 W	Hidden	N 10	s 5 W	Fog	S	Cy	Fy
30	.	.14	.	.14	Hidden	K 3 W	0	Fog	s 7 W	0	Fy	Cy	Cr
31	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
Total	1.11	.59	1.01	2.71									

REMARKS.

Dec. 27. Snow, B. 7.50 P.M.; E. D. N.
29. " B. D. N.; E. 8.30 A.M.

Dec. 30. Snow, B. 7.30 A.M. At intervals. E. 11.00 A.M.

JANUARY, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07	
	1	.74	.75	.76	.75	13	21	17	17	21	10	44	43	51	w 34	0		w 6	393
2	.74	.72	.66	.71	14	20	16	17	23	12	46	56	66	nw 18	nw 2	w 34	391
3	.62	.66	.72	.67	14	17	17	16	18	11	46	51	35	w 56	sw 24	sw 18	832
4	.76	.75	.72	.74	11	20	14	15	22	10	20	27	46	sw 24	sw 30	w 42	724
5	.62	.65	.68	.65	12	15	10	12	16	7	42	30	38	w 60	w 30	w 42	1053
6	.75	.72	.69	.72	11	15	10	12	16	9	20	30	38	w 20	w 40	w 48	811
7	.64	.76	.78	.73	7	16	17	13	17	6	54	33	35	sw 56	nw 12	sw 36	680
8	.55	.52	.40	.49	14	18	8	13	20	8	64	84	100	w 85	s 52	sw 16	1033
9	.51	.53	.47	.50	5	11	10	9	12	0	50	40	58	sw 38	sw 50	sw 60	935
10	.37	.25	.25	.29	9	13	5	9	14	4	78	44	50	sw 20	sw 48	sw 36	719
11	.34	.41	.43	.39	-10	2	-8	-5	5	-12	54	72	58	sw 14	sw 28	sw 40	581
12	.53	.67	.80	.67	-10	2	14	2	14	-11	54	44	46	nw 28	nw 48	sw 36	949
13	.68	.60	.59	.62	13	17	11	14	17	11	44	49	40	nw 50	w 52	sw 50	1213
14	.60	.67	.72	.66	5	10	8	8	12	4	50	38	33	nw 36	w 20	w 12	671
15	.70	.74	.70	.71	11	21	13	15	21	8	20	29	26	nw 36	ne 10	nw 40	654
16	.67	.72	.75	.71	14	8	10	11	15	6	28	33	38	nw 36	nw 40	nw 56	873
17	.78	.80	.87	.82	19	21	18	19	22	11	39	29	37	ne 18	w 25	w 4	383
18	.81	.71	.67	.73	14	23	12	16	24	12	28	34	42	nw 30	sw 22	sw 25	526
19	.58	.63	.66	.62	8	13	9	10	13	6	78	62	57	nw 40	sw 32	nw 32	873
20	.63	.62	.49	.58	10	14	6	10	16	5	38	28	28	nw 32	n 36	w 56	995
21	.37	.46	.45	.43	-4	-4	-10	-6	6	-11	65	65	54	w 40	nw 14	n 28	675
22	.36	.40	.44	.40	-11	-2	-3	-5	2	-12	52	67	66	n 44	ne 35	ne 22	704
23	.32	.34	.42	.36	-3	-4	-8	-5	-1	-9	66	65	58	w 35	nw 12	n 16	411
24	.48	.55	.56	.53	-3	5	9	4	10	-11	66	50	36	nw 20	ne 16	n 36	641
25	.36	.35	.29	.33	8	13	4	8	14	4	55	44	74	nw 46	sw 52	sw 30	984
26	.24	.16	.16	.19	0	3	-2	0	3	-2	100	100	100	sw 20	sw 16	sw 14	383
27	.13	.14	.18	.15	-13	-3	-13	-10	0	-15	74	100	100	sw 28	sw 27	sw 22	547
28	.27	.23	.24	.25	-13	-5	-1	-6	0	-15	100	100	100	sw 8	sw 32	sw 25	462
29	.10	.05	.16	.10	-2	-1	-8	-4	2	-9	100	68	16	sw 18	sw 24	sw 8	426
30	.30	.34	.44	.36	-10	-5	-12	-9	3	-14	54	26	50	sw 16	sw 12	sw 18	384
31	.59	.66	.69	.65	-2	7	3	3	8	-15	35	31	46	nw 10	s 12	sw 20	332
Means	.52	.53	.54	.53	4.3	9.5	5.7	6.5	12.4	0.3	54	51	52	33	28	30	21239

REMARKS.

Jan. 8. Snow, B. 5.08 P.M.; E. D.N.
10. " B. 5.20 P.M.; E. 6.15 P.M.

Jan. 22. Snow, B. 12 M. At intervals. E. 1.30 P.M.
23. " B. 11.40 A.M.; E. 12.15 P.M.

JANUARY, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.			
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07	
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07				
1	0	CS 2	0	0	0	0	0	Cr	Cr	Cr
2	0	CS 2	0	0	0	0	0	Cr	Cr	Cr
3	CS 5	CS 2	0	0	0	0	0	F	Cr	Cr
4	CS 5	CK 2	0	0	0	0	0	F	Cr	Cr
5	CS 3	K 3 W	0	0	0	0	0	Cr	Cr	Cr
6	0	0	0	0	s 2	s 3	0	Cr	Cr	Cr
7	0	0	0	0	0	0	0	Cr	Cr	Cr
8	.	.	.05	.05	CS 3	Hidden	Hidden	0	Fog	N 10	0	Cr	Fy	LS
9	.04	.	.	.04	0	CS 5 W	Hidden	0	s 2	s 10	0	Cr	F	Cy
10	.	.	.02	.02	Hidden	K 3 W	0	Fog	s 2	s 2	0	Fy	Cr	Cr
11	0	0	0	0	s 2	0	0	Cr	Cr	Cr
12	0	0	0	0	s 2	0	0	Cr	Cr	Cr
13	CS 3	0	0	0	0	0	0	Cr	Cr	Cr
14	CS 3	K 2 SW	0	0	0	s 2	0	Cr	Cr	Cr
15	0	K 8	0	0	0	0	0	Cr	Cy	Cr
16	CS 5	0	0	0	0	0	0	F	Cr	Cr
17	CS 2	0	0	0	s 8 W	0	0	Cr	Cy	Cr
18	0	CS 5 SW	0	0	0	0	0	Cr	F	Cr
19	CS 3	CK 5 W	0	s 3 NW	0	0	0	F	F	Cr
20	CS 5	0	0	0	s 2	0	0	F	Cr	Cr
21	0	Hidden	0	0	KS 10 NW	0	0	Cr	Cy	Cr
22	.	T	.	T	0	0	K 5 NE	0	KS 8 NE	0	0	Cr	Cy	F
23	.	T	.03	.03	CS 5	K 5 NW	0	0	0	KS 8 N	0	F	F	Cy
24	CS 3	CS 3	0	0	s 3	s 2	0	Cr	F	Cr
25	CS 7	CS 7 SW	Hidden	0	0	s 10	0	F	F	Cy
26	.	.	.48	.48	Hidden	Hidden	Hidden	Fog	Fog	N 10	0	Fy	Fy	LS
27	.05	.20	.98	1.23	0	Hidden	Hidden	0	N 10 SW	N 10	0	Cr	LS	LS
28	.06	.43	.54	1.03	Hidden	Hidden	Hidden	s 10	N 10 SW	N 10 SW	0	Cy	LS	LS
29	1.04	.34	.	1.38	Hidden	Hidden	0	N 10 SW	KS 10 SW	s 2	0	S	Cy	Cr
30	Hidden	0	0	Fog	0	0	0	Fy	Cr	Cr
31	0	0	0	0	0	0	0	Cr	Cr	Cr
Total	1.19	.97	2.10	4.26										

REMARKS.

Jan. 23. Snow, B. 3.40 P.M.; E. 8.10 P.M.
26. " B. 3.45 P.M.; E. D.N.

Jan. 27. Snow, B. 11.25 A.M.; E. 9.40 P.M.
28. " B. 8.10 A.M.; E. 12.40 P.M. of 29th.

FEBRUARY, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			Movement. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.07	P.M. 1.07	P.M. 9.07	
1	.73	.60	.57	.63	- 1	3	1	1	3	- 2	37	19	42	N 16	NW 11	NW 25	323.
2	.47	.43	.43	.44	-17	-16	-20	-18	1	-22	100	100	63	NW 10	NW 28	NW 16	565
3	.35	.33	.30	.33	-20	-18	-22	-20	-18	-24	27	100	20	NW 16	N 15	N 18	410
4	.33	.34	.35	.34	-24	-15	-18	-19	-12	-26	54	100	100	N 44	NE 30	NE 16	608
5	.39	.46	.51	.45	-22	-10	- 5	-12	- 3	-25	20	54	26	SW 10	NE 22	NE 15	419
6	.59	.64	.68	.64	- 4	2	2	0	3	- 6	28	44	44	NE 16	w 8	NW 6	216
7	.68	.63	.60	.64	0	8	0	3	9	- 2	39	33	39	NW 2	SW 16	SW 24	327
8	.66	.68	.69	.68	1	8	4	4	10	- 4	42	33	48	NE 4	w 20	SW 20	460
9	.57	.61	.68	.62	4	9	1	5	10	0	48	36	42	SW 52	w 44	SW 32	1045
10	.64	.50	.28	.47	1	13	5	6	14	- 1	42	62	100	SW 40	SW 34	SW 28	722
11	.20	.23	.29	.24	0	2	- 4	- 1	9	- 5	100	72	100	SW 4	SW 24	SW 4	221
12	.28	.35	.39	.34	- 5	- 5	- 8	- 6	0	- 8	100	63	58	0	NW 14	NW 20	242
13	.30	.28	.28	.29	- 7	- 6	-18	-10	- 5	-20	59	100	100	NW 42	NW 24	N 32	641
14	.33	.38	.44	.38	-11	- 1	0	- 4	0	-27	76	100	70	NW 42	w 54	NW 60	1164
15	.49	.48	.38	.45	1	9	3	4	11	- 3	71	57	73	NW 50	SW 42	SW 50	1049
16	.28	.26	.31	.28	0	7	1	3	8	- 2	39	54	100	SW 68	SW 4	SW 25	1050
17	.27	.24	.34	.28	- 4	- 2	-20	- 9	2	-20	100	100	100	SW 16	w 32	NW 44	572
18	.48	.54	.55	.52	- 4	6	2	1	7	-21	65	52	44	w 42	SW 48	SW 50	1034
19	.60	.64	.62	.62	6	14	8	9	15	0	48	46	55	w 52	SW 32	SW 52	1081
20	.58	.68	.72	.66	6	17	13	12	17	5	28	51	44	SW 56	w 36	w 32	953
21	.67	.67	.65	.66	7	15	10	11	16	6	54	65	58	w 40	w 36	w 28	789
22	.60	.67	.75	.67	10	16	12	13	18	7	58	49	61	SW 20	SW 25	SW 14	515
23	.66	.61	.49	.59	10	19	12	14	20	9	58	54	61	SW 32	SW 40	SW 30	740
24	.34	.32	.30	.32	4	5	10	6	12	3	74	75	58	w 16	SW 10	NW 6	259
25	.25	.28	.30	.28	- 8	6	0	- 1	10	-10	100	76	100	NW 48	w 42	w 32	820
26	.26	.30	.36	.31	- 4	1	5	1	6	- 4	65	71	75	w 26	SW 26	w 16	501
27	.30	.22	.18	.23	2	7	2	4	8	1	100	100	100	w 16	w 22	w 36	576
28	.13	.34	.36	.28	-27	0	- 3	-10	4	-27	100	39	66	w 28	N 34	w 40	684
29	.21	.30	.36	.29	-17	1	1	- 5	4	-17	100	71	71	NW 19	SW 60	w 56	1129
Means	.44	.45	.45	.45	-4.2	3.3	-0.6	-0.5	6.2	-8.4	63	65	66	29	29	29	19115

REMARKS.

Feb. 2. Snow, B. D. N.; E. 7.10 P.M.
 3. " B. 4.15 P.M.; E. 8.40 P.M.
 4. " B. 3.30 P.M.; E. D. N.

Feb. 10. Snow, B. 8.10 P.M.; E. D. N.
 11. " B. 4.35 P.M.; E. 7.45 P.M.
 12. " B. D. N.; E. 11.05 A.M.

FEBRUARY, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.	.	.	.	cs 3	cs 3 NW	0	0	0	0	Cr	Cr	Cr
2	.48	.54	.30	1.32	Hidden	Hidden	0	N 10	N 10	0	LS	LS	Cr
3	.	.	.44	.44	cs 3 NW	Hidden	Hidden	0	Fog	s 10	Cr	Fy	Cy
4	.	.	.42	.42	0	Hidden	Hidden	0	Fog	N 10	Cr	Fy	LS
5	.24	.	.	.24	0	0	0	0	0	0	Cr	Cr	Cr
6	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
7	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
8	.	.	.	.	0	cs 3 w	0	0	0	0	Cr	Cr	Cr
9	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
10	.	.	T	T	0	cs 10 sw	Hidden	s 3 sw	0	N 10 sw	Cr	Cy	LS
11	.06	.	.09	.15	0	0	0	s 3 sw	KS 5 sw	s 2	Cr	F	Cr
12	.03	.07	.	.10	Hidden	0	0	N 10	K 5	0	LS	F	Cr
13	.	.	.03	.03	cs 3	Hidden	0	0	s 10 NW	0	Cr	Cy	Cr
14	.	.	.	.	0	Hidden	0	0	s 10 w	0	Cr	Cy	Cr
15	.	.	.	.	cs 2	cs 3	cs 3	0	0	0	Cr	Cr	Cr
16	.	.	T	T	cs 5	k 2 sw	Hidden	0	0	N 10 sw	F	Cr	LS
17	.24	.09	.06	.39	Hidden	Hidden	0	N 10 sw	N 10 w	0	S	LS	Cr
18	.	.	.	.	0	c 2 w	cs 7	0	0	0	Cr	Cr	F
19	.	.	.	.	cs 5	k 2	0	0	0	0	F	Cr	Cr
20	.	.	.	.	cs 2	0	0	0	0	0	Cr	Cr	Cr
21	.	.	.	.	0	cs 7 w	cs 3	0	0	0	Cr	F	Cr
22	.	.	.	.	Hidden	ck 3 NW	cs 10 NW	Fog	0	0	Fy	Cr	Cy
23	.	.	.	.	cs 10	cs 10 sw	cs 3	0	0	s 2	Cy	Cy	Cr
24	.02	.	.	.02	cs 5	ck 7 sw	0	s 2 sw	0	0	F	F	Cr
25	.	.	.	.	0	ck 3 NW	cs 3	0	0	s 7 w	Cr	Cr	Cy
26	.	.	.	.	0	cs 5 w	cs 10	0	0	0	Cr	F	Cy
27	.	.	.	.	Hidden	Hidden	Hidden	Fog	s 10	s 10	Fy	Cy	Cy
28	.15	.08	.	.23	Hidden	0	0	N 10	0	0	S	Cr	Cr
29	.	.	.	.	cs 3	cs 5 NW	0	0	0	0	Cr	F	Cr
Total	1.22	.78	1.34	3.34									

REMARKS.

Feb. 13. Snow, { B. 2.30 P.M.; E. 3.10 P.M.
 { B. 5.47 P.M.; E. 8.15 P.M.
 16. " B. 8.35 P.M.; E. 7.25 A.M. of 17th.

Feb. 17. Snow, B. 11.40 A.M.; E. 4.00 P.M.
 24. " B. D.N.; E. D.N.
 28. " B. D.N.; E. 7.15 A.M.

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MARCH, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Direction and Velocity in Miles per Hour.			24 Hours.		
														A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.43	.61	.65	.56	1	12	10	8	15	- 2	71	61	38	NW 56	W 36	W 36	1286		
2	.59	.46	.39	.48	12	15	8	12	20	8	80	65	55	SW 36	W 46	W 52	802		
3	.38	.39	.35	.37	- 1	12	4	5	15	- 1	68	61	74	W 44	SW 40	W 21	952		
4	.20	.17	.33	.23	0	0	- 5	- 2	4	- 5	70	100	63	W 37	SW 42	W 22	753		
5	.40	.42	.49	.44	- 1	4	1	1	6	- 7	68	48	42	SW 40	SW 30	SW 36	802		
6	.48	.49	.52	.50	0	13	3	5	14	0	70	44	46	W 30	W 21	N 5	724		
7	.58	.60	.59	.59	- 3	7	5	3	10	- 5	66	54	50	SW 16	SW 6	W 24	297		
8	.48	.50	.55	.51	0	14	5	6	15	0	70	46	50	NW 40	SW 12	W 14	565		
9	.53	.52	.50	.51	2	10	5	6	13	0	72	58	50	W 28	W 30	W 36	418		
10	.45	.46	.50	.47	0	11	6	6	13	- 1	70	40	52	W 38	W 28	SW 24	900		
11	.53	.42	.37	.44	4	15	0	6	15	0	74	48	100	W 10	SW 18	SW 22	489		
12	.29	.25	.21	.25	1	9	2	4	9	- 2	100	78	100	W 17	SW 31	SW 24	415		
13	.19	.22	.31	.24	- 5	0	- 8	- 4	2	- 8	100	100	100	SW 20	SW 30	SW 20	638		
14	.25	.36	.34	.32	- 8	3	0	- 2	5	- 8	100	100	70	SW 24	SW 16	SW 4	515		
15	.27	.25	.23	.25	- 2	4	- 1	0	5	- 4	67	74	68	0	SW 18	SW 32	150		
16	.16	.37	.38	.30	- 9	1	0	- 3	3	-14	56	71	70	W 46	W 33	W 32	790		
17	.33	.25	.32	.30	- 3	3	- 3	- 1	6	- 3	66	100	100	SW 30	SW 26	SW 28	681		
18	.30	.33	.39	.34	- 9	2	- 6	- 4	3	- 9	56	72	61	W 30	W 12	W 13	559		
19	.43	.46	.56	.48	-10	3	3	- 1	4	-10	54	46	100	NW 12	SW 12	NW 10	354		
20	.51	.54	.60	.55	- 7	0	- 5	- 4	3	- 9	100	70	63	W 18	SW 22	W 15	374		
21	.64	.70	.70	.69	- 3	5	4	2	6	- 8	66	50	74	NW 14	N 12	N 22	383		
22	.71	.75	.76	.74	4	18	12	11	19	2	74	53	61	W 21	SW 4	SW 16	356		
23	.75	.77	.72	.75	7	19	10	12	19	7	77	54	58	SW 14	S 13	W 24	322		
24	.67	.70	.66	.68	10	22	15	16	23	9	58	58	65	SW 30	SW 24	SW 40	726		
25	.57	.60	.52	.56	10	22	12	15	25	9	58	58	61	SW 40	W 28	SW 24	924		
26	.36	.27	.41	.35	5	8	- 8	2	12	- 8	75	100	58	SW 10	SW 16	NW 40	429		
27	.43	.58	.67	.56	-11	7	9	2	12	-12	52	54	57	NW 53	N 44	NW 28	1032		
28	.68	.72	.66	.69	9	22	16	16	25	9	57	58	66	SW 30	SW 22	SW 50	755		
29	.60	.61	.60	.60	13	24	16	18	25	12	62	48	66	SW 56	SW 43	SW 40	1042		
30	.54	.53	.54	.54	11	21	8	13	24	8	60	57	78	SW 44	SW 33	SW 12	943		
31	.48	.54	.55	.52	2	12	10	8	15	- 1	100	61	58	W 10	SW 30	SW 36	409		
Means	.46	.48	.50	.48	0.6	10.3	4.1	5.0	12.4	-1.7	72	64	66	29	25	26	19785		

REMARKS.

March 4. Snow, B. 9.50 A.M.; E. 2.35 P.M.
11. " B. 7.35 P.M.; E. D. N.

March 13. Snow, B. D. N.; E. 12.05 P.M.
14. " B. 12.30 P.M.; E. 7.35 P.M.

MARCH, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	CS 5	CS 3	0	0	0	0	F	Cr	Cr
2	CS 7	CS 7 NW	0	0	0	0	F	F	Cr
3	0	CK 2 W	0	0	0	0	Cr	Cr	Cr
4	.	.12	.06	.18	CS 7	Hidden	0	0	N 10	0	F	LS	Cr
5	CS 3	CS 2 W	0	0	0	0	Cr	Cr	Cr
6	CS 2	CS 2	0	0	0	0	Cr	Cr	Cr
7	0	0	0	0	0	0	Cr	Cr	Cr
8	0	K 7 NW	CS 2	0	0	0	Cr	F	Cr
9	CS 2	CK 7 W	CS 5	0	0	0	Cr	F	F
10	CS 2	CS 2 NW	0	0	0	0	Cr	Cr	Cr
11	.	.	.04	.04	0	0	Hidden	0	s 2 SW	N 10 SW	Cr	Cr	LS
12	1.02	.	.	1.02	Hidden	Hidden	Hidden	s 10 W	s 10 SW	s 10 SW	Cy	Cy	Cy
13	.35	.18	.	.53	Hidden	Hidden	Hidden	N 10 SW	s 10 SW	s 10 SW	LS	Cy	Cy
14	.	.01	.09	.10	Hidden	Hidden	0	s 10 SW	N 10	0	Cy	LS	Cr
15	CS 2	Hidden	CS 5	0	s 10 SW	0	Cr	Cy	F
16	CS 2	0	CS 3	0	0	0	Cr	Cr	Cr
17	.	.15	.14	.29	CS 2	Hidden	Hidden	0	N 10 SW	N 10 SW	Cr	LS	LS
18	.02	.	.	.02	CS 5	Hidden	0	0	s 10 W	s 5 W	F	Cy	F
19	.	.	.06	.06	0	CS 5 W	Hidden	0	0	N 10	Cr	F	LS
20	.13	.02	.	.15	Hidden	K 3 W	0	N 10 W	s 5 SW	0	LS	Cy	Cr
21	0	0	0	0	0	0	Cr	Cr	Cr
22	0	0	0	0	0	0	Cr	Cr	Cr
23	0	0	CS 2	0	0	0	Cr	Cr	Cr
24	CS 5 W	K 2 NW	CS 5 W	0	0	0	F	Cr	F
25	CS 2	CS 2	Hidden	0	0	s 10	Cr	Cr	Cy
26	.	.16	.12	.28	0	Hidden	CS 3	s 5 SW	N 10 SW	s 5 NW	F	LS	Cy
27	0	0	0	0	0	0	Cr	Cr	Cr
28	0	CS 2	0	0	0	0	Cr	Cr	Cr
29	0	0	0	0	0	0	Cr	Cr	Cr
30	CS 2	CS 5 W	Hidden	0	0	s 10	Cr	F	Cy
31	.09	.03	.	.12	Hidden	CS 3 W	CS 2	N 10	0	0	LS	F	Cr
Total	1.61	.67	.51	2.79									

REMARKS.

March 17. Snow, B. 8.55 A.M.; E. D. N.

19. " B. 4.50 P.M.; E. 9.25 A.M. of 20th.

March 26. Snow, B. 9.55 A.M.; E. 4.30 P.M.

31. " B. 1.00 A.M.; E. 6.10 A.M.

APRIL, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07	
	1	.49	.50	.47	.49	6	22	12	13	23	6	76	72	61	sw 28	sw 24	sw 34	788
2	.42	.45	.44	.44	10	18	12	13	21	8	79	68	61	sw 24	sw 30	sw 40	578
3	.37	.47	.54	.46	8	15	11	11	16	7	78	65	80	sw 20	se 38	sw 42	569
4	.58	.65	.68	.64	11	16	13	13	18	11	80	66	81	sw 16	sw 44	sw 30	692
5	.68	.72	.79	.73	10	20	14	15	22	9	79	70	64	sw 25	sw 44	sw 34	787
6	.78	.79	.73	.77	14	19	14	16	20	13	64	69	82	sw 26	sw 17	sw 12	614
7	.66	.66	.74	.69	11	16	- 2	8	16	- 2	100	83	67	sw 3	se 10	n 25	236
8	.82	.90	.93	.88	- 3	10	8	5	13	- 6	66	38	55	n 20	ne 10	ne 12	494
9	.92	.90	.91	.91	8	21	15	15	23	6	55	57	65	ne 2	nw 2	sw 8	159
10	.87	.88	.89	.88	12	25	16	18	27	12	61	50	66	w 10	sw 9	sw 14	114
11	.84	.90	.88	.87	13	28	22	21	30	12	62	54	58	w 20	sw 2	sw 14	385
12	.83	.79	.71	.78	16	30	21	22	32	15	66	68	71	sw 16	sw 28	sw 24	372
13	.58	.51	.37	.49	16	27	17	20	29	15	66	64	67	sw 36	sw 40	sw 56	810
14	.29	.44	.52	.42	4	13	10	9	17	- 3	74	62	79	sw 24	sw 36	sw 16	907
15	.39	.42	.46	.42	2	5	6	4	10	0	72	75	76	s 20	nw 22	w 44	581
16	.40	.52	.53	.48	8	22	16	15	24	6	78	58	66	sw 32	sw 36	sw 44	720
17	.46	.48	.43	.46	11	26	17	18	28	10	60	52	67	sw 44	s 36	sw 20	1013
18	.19	.18	.36	.24	9	4	- 5	3	17	- 5	100	100	100	sw 18	nw 18	nw 28	590
19	.41	.52	.60	.51	- 9	5	5	0	15	- 9	56	50	50	nw 25	sw 24	sw 28	621
20	.58	.62	.67	.62	5	17	14	12	20	4	50	51	64	w 36	w 30	sw 28	757
21	.66	.71	.69	.69	12	29	21	21	30	12	61	67	57	sw 50	s 4	sw 36	794
22	.57	.60	.49	.55	17	30	20	22	31	16	51	57	56	sw 48	sw 28	sw 28	774
23	.40	.36	.39	.38	10	12	1	8	20	1	100	61	100	sw 14	sw 24	nw 10	562
24	.31	.38	.44	.38	- 4	4	2	1	5	- 5	65	100	100	nw 16	w 12	sw 18	355
25	.39	.50	.60	.50	- 3	6	4	2	7	- 3	66	76	74	w 32	nw 16	w 20	496
26	.69	.72	.74	.72	4	18	10	11	20	1	74	53	79	0	sw 12	sw 18	292
27	.72	.68	.69	.70	7	21	15	14	25	7	54	57	82	sw 20	sw 20	sw 8	432
28	.68	.69	.77	.71	10	16	15	14	23	10	58	100	100	sw 20	sw 14	sw 10	399
29	.82	.86	.91	.86	12	18	15	15	23	11	61	84	65	sw 10	sw 10	sw 6	227
30	.93	.94	.89	.92	12	28	20	20	28	12	61	100	56	sw 8	ne 4	sw 8	161
Means	.59	.62	.64	.62	8.0	18.0	12.0	12.7	21.1	5.7	69	68	72	22	21	24	16279

REMARKS.

April 7. Snow, B. D. N.; E. 10.50 A.M.
 15. " B. 2.20 P.M.; E. 2.45 P.M.
 17. " B. D. N.; E. D. N. of 18th.

April 23. Snow, { B. D. N.; E. 8.45 A.M.
 B. 6.25 P.M.; E. D. N.
 24. " B. 11.50 A.M.; E. D. N.

APRIL, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.	.	.	.	cs 3	K 10 SW	cs 2	0	0	0	F	Cy	Cr
2	.	.	.	.	Hidden	K 7 NW	0	s 10	0	0	Cy	F	Cr
3	.	.	.	.	Hidden	K 3	0	s 10 SW	s 7 SE	s 5	Cy	Cy	F
4	.	.	.	.	Hidden	K 7 NW	Hidden	s 10 SW	0	Fog	Cy	F	Fy
5	.	.	.	.	cs 3	Hidden	cs 2	0	ks 10 W	0	Cr	Cy	Cr
6	.	.	.	.	cs 10	Hidden	Hidden	0	s 10	Fog	Cy	Cy	Fy
7	.12	.09	.	.21	Hidden	Hidden	Hidden	N 10	Fog	Fog	LS	Fy	Fy
8	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
9	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
10	.	.	.	.	0	cs 2	0	0	0	0	Cr	Cr	Cr
11	.	.	.	.	0	ck 5	0	0	0	0	Cr	F	Cr
12	.	.	.	.	0	cs 10	cs 2	0	0	0	Cr	Cy	Cr
13	.	.	.	.	cs 2	ck 2	0	0	0	0	Cr	Cr	Cr
14	.	.	.	.	0	cs 2	cs 10	s 3 SW	0	0	Cr	Cr	Cy
15	.	.	T	T	Hidden	Hidden	cs 3	s 10 s	ks 10 W	s 3 W	Cy	Cy	F
16	.	.	.	.	Hidden	cs 2	0	Fog	0	0	Fy	Cr	Cr
17	.	.	.	.	cs 2	ck 2	cs 10	0	0	0	Cr	Cr	Cy
18	.31	.48	.16	.95	Hidden	Hidden	Hidden	N 10 SW	N 10 NW	N 10 NW	HS	LS	LS
19	.11	.	.	.11	cs 2	ck 2 W	cs 3	0	0	0	Cr	Cr	Cr
20	.	.	.	.	cs 5	K 5 SW	ck 7	0	0	0	F	F	F
21	.	.	.	.	cs 5 W	cs 7	cs 10	0	0	0	F	F	Cy
22	.	.	.	.	ck 3 W	ck 7 W	ck 3 W	0	0	0	Cr	F	Cr
23	.14	.09	.08	.31	Hidden	Hidden	Hidden	N 10	ks 10 W	N 10	LS	Cy	LS
24	.10	.02	.06	.18	cs 5 W	Hidden	Hidden	0	N 10	N 10 SW	F	LS	LS
25	.08	.	.	.08	cs 3	Hidden	Hidden	s 7 W	s 10 W	s 10	Cy	Cy	Cy
26	.	.	.03	.03	cs 2	K 7 W	0	0	0	s 5	Cr	F	F
27	.	.	.	.	cs 2	cs 10 W	Hidden	0	0	s 10	Cr	Cy	Cy
28	.	.01	.06	.07	cs 2	Hidden	Hidden	0	N 10 SW	N 10 SW	Cr	LS	LS
29	.04	.	.	.04	0	0	cs 3	KS 3	KS 7 W	0	Cr	F	Cr
30	.	T	.06	.06	cs 2	Hidden	0	0	N 10 NE	0	Cr	Hail	Cr
Total	.90	.69	.45	2.04									

REMARKS.

April 26. Snow, B. 5.50 P.M.; E. 6.40 P.M.
28. " B. 12.35 P.M.; E. D. N.

April 30. Hail and Snow, B. 12.55 P.M.; E. 7.55 P.M.

MAY, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Move- ment.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07	24 Hours.		
1	.84	.82	.86	.84	11	20	16	16	21	10	100	100	66	sw 10	nw 11	nw 12	286		
2	.86	.82	.80	.83	13	30	20	21	32	13	44	89	56	nw 1	s 10	s 12	238		
3	.76	.80	.80	.79	18	33	24	25	33	17	53	89	61	nw 28	s 4	sw 28	370		
4	.79	.87	.88	.85	23	36	28	29	38	21	60	53	32	sw 36	nw 12	w 12	612		
5	.72	.72	.69	.71	27	34	26	29	37	25	53	43	28	sw 62	sw 48	sw 64	782		
6	.61	.65	.63	.63	21	30	21	24	33	19	29	47	43	sw 56	s 42	sw 40	1141		
7	.55	.64	.56	.58	4	23	12	13	26	3	100	47	100	w 16	sw 20	w 32	655		
8	.48	.48	.54	.50	8	12	16	12	18	5	100	100	66	w 28	w 50	w 64	689		
9	.48	.52	.62	.54	13	21	19	18	24	10	62	86	85	sw 52	sw 54	sw 42	1141		
10	.68	.78	.86	.77	19	31	27	26	33	18	69	58	64	sw 44	sw 44	sw 28	1000		
11	.85	.90	.88	.88	24	38	28	30	38	23	48	54	32	sw 40	s 22	sw 18	858		
12	.81	.76	.72	.76	24	36	26	29	37	23	48	53	40	sw 32	sw 32	sw 16	616		
13	.65	.64	.65	.65	19	34	24	26	35	18	54	43	36	sw 24	s 38	sw 28	554		
14	.60	.70	.79	.70	17	31	23	24	33	16	56	48	47	sw 38	sw 40	sw 30	840		
15	.86	.92	.95	.91	18	37	28	28	39	16	53	45	32	s 16	s 20	sw 24	555		
16	.93	.92	.84	.90	25	31	27	31	36	23	38	100	30	sw 28	sw 20	sw 28	531		
17	.79	.74	.78	.77	24	38	26	29	40	22	36	45	40	sw 44	sw 40	sw 34	836		
18	.82	.85	.84	.84	17	31	24	24	36	16	51	58	61	sw 18	sw 12	s 24	617		
19	.81	.82	.84	.82	19	26	18	21	30	17	39	88	84	s 2	n 4	n 12	273		
20	.82	.84	.84	.83	15	26	22	21	28	14	82	100	86	n 4	sw 14	sw 25	247		
21	.81	.81	.81	.81	26	37	26	30	38	21	63	71	63	nw 28	sw 28	w 36	564		
22	.84	.86	.81	.84	23	36	32	30	37	21	60	61	59	sw 28	sw 34	sw 34	749		
23	.70	.80	.78	.76	27	47	33	36	47	27	64	62	51	sw 52	sw 28	sw 24	876		
24	.67	.62	.64	.65	26	39	24	30	40	24	52	55	61	sw 30	sw 25	sw 16	633		
25	.52	.56	.61	.56	14	19	13	15	24	13	64	100	62	sw 28	sw 20	sw 17	613		
26	.61	.69	.80	.70	9	14	12	12	20	9	78	82	100	sw 14	sw 6	sw 6	570		
27	.78	.80	.79	.79	12	23	17	17	23	8	100	100	83	ne 7	ne 4	ne 6	177		
28	.77	.73	.72	.74	16	29	17	21	30	10	49	67	67	sw 17	sw 7	n 24	260		
29	.68	.77	.79	.75	18	28	28	25	32	15	68	54	54	nw 56	nw 16	w 8	788		
30	.68	.72	.76	.72	24	34	23	27	35	21	48	70	86	w 52	sw 26	sw 28	733		
31	.76	.79	.84	.80	19	28	20	22	29	15	69	66	85	sw 16	sw 24	sw 12	483		
Means	.73	.75	.77	.75	18.5	30.4	22.6	23.8	32.3	16.6	61	69	60	29	24	25	19287		

REMARKS.

May 1. Snow, B. D. N.; E. 3.40 P.M.
 3. " B. 1.15 P.M.; E. 2.30 P.M.
 7. " } B. D. N.; E. 6.10 A.M.
 " } B. 8.20 P.M.; E. 9.20 A.M. of 8th.

May 9. Snow, B. 1.12 P.M.; E. 1.45 P.M.
 16. " B. 12.50 P.M.; E. 1.40 P.M.
 19. " B. 12 M.; E. 5.10 P.M.
 20. " B. 10.25 A.M.; E. 1.40 P.M.

MAY, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.08	.16	.06	.30	Hidden	Hidden	CK 3	N 10 SW	N 10 NW	0	LS	LS	Cr
2	.	.	.	.	cs 2	Hidden	0	0	s 10 s	s 3	Cr	Cy	Cr
3	.	.	.03	.03	cs 5 w	Hidden	0	0	KS 10 s	0	Cr	Cy	Cr
4	.	.	.	.	cs 2	cs 5 NW	cs 3	0	0	0	Cr	F	Cr
5	.	.	.	.	cs 8 SW	CK 8 SW	cs 3	0	0	0	Cy	Cy	Cr
6	.	.	.	.	cs 2	cs 2 SW	cs 5	0	0	0	Cr	Cr	F
7	.04	T	.02	.06	Hidden	CK 5 SW	Hidden	N 10 W	0	N 10 W	LS	F	LS
8	.05	.08	.	.13	Hidden	K 5 SW	0	N 10 W	0	0	LS	F	Cr
9	.	.	.02	.02	cs 7 SW	Hidden	cs 2	0	s 10 SW	0	F	Cy	Cr
10	.	.	.	.	CK 3 SW	K 2	0	0	0	0	Cr	Cr	Cr
11	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
12	.	.	.	.	cs 2	K 8 SW	0	0	0	0	Cr	Cy	Cr
13	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
14	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
15	.	.	.	.	0	K 2	0	0	0	0	Cr	Cr	Cr
16	.	T	.02	.02	cs 7 SW	Hidden	cs 2	0	N 10 SW	0	F	LS	Cr
17	.	.	.	.	0	CK 2	0	0	0	0	Cr	Cr	Cr
18	.	.	.	.	0	cs 10	cs 7	0	0	0	Cr	Cy	F
19	.	.06	.37	.43	cs 3	Hidden	Hidden	0	N 10	KS 10 N	Cr	LS	Cy
20	.	.07	.02	.09	Hidden	Hidden	cs 5	KS 10	N 10 SW	0	Cy	LS	F
21	.	.	T	T	cs 5	0	CK 7 W	0	KS 8 W	0	F	Cy	F
22	.	.	T	T	cs 3	K 3	cs 3	0	s 7 SW	0	Cr	Cy	Cr
23	.	.	.	.	CK 2	CK 5 SW	CK 3	0	0	0	Cr	F	Cr
24	.	.	.	.	0	K 5 W	cs 7 W	0	0	0	Cr	F	F
25	.02	.01	.02	.05	CK 5 SW	Hidden	CK 3	0	N 10 SW	0	F	LS	Cr
26	.	.	.18	.18	Hidden	Hidden	Hidden	s 10 W	s 10 SW	N 10 SW	Cy	Cy	LS
27	.60	.17	.03	.80	Hidden	Hidden	0	N 10 NE	N 10 NE	KS 8 NE	LS	LS	Cy
28	.	.	.04	.04	CK 2	0	CK 3	0	KS 5 NW	0	Cr	F	Cr
29	.	.	.	.	K 2 NW	K 5 NW	cs 5	0	0	0	Cr	F	F
30	.	.	.	.	cs 2	0	Hidden	0	KS 8 SW	s 10	Cr	Cy	Cy
31	.02	.	.	.02	cs 5 SW	cs 8 SW	Hidden	0	0	Fog	F	Cy	Fy
Total	.81	.55	.81	2.17									

REMARKS.

May 21. Snow, B. 3.30 P.M. At intervals. E. 5.25 P.M.
 22. " B. 1.45 P.M.; E. 2.20 P.M.
 25. " { B. D. N.; E. D. N.
 { B. 12.40 P.M.; E. 2.30 P.M.

May 26. Snow, B. 1.45 P.M.; E. 2.20 P.M. of 27th.
 28. " B. 2.50 P.M.; E. 3.40 P.M.
 31. " B. D. N.; E. D. N.

JUNE, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07	
	1	.82	.88	.93	.88	18	25	23	22	30	15	84	62	47	SE 12	NE 4		SW 17	293
2	.94	.96	.96	.95	26	38	34	33	42	22	52	38	43	SW 30	SW 14	NW 8	433
3	.90	.90	.88	.89	31	44	34	37	44	29	38	37	43	W 44	SW 22	SW 30	583
4	.79	.79	.71	.76	29	44	34	36	45	27	67	52	61	SW 32	SW 24	SW 32	733
5	.58	.79	.85	.74	10	22	25	19	34	8	100	45	50	SW 18	NW 24	NW 36	628
6	.80	.83	.85	.83	20	37	29	29	38	19	56	63	56	W 36	W 20	NW 12	605
7	.78	.85	.85	.83	26	43	36	35	45	23	52	59	45	W 38	SW 18	NW 15	411
8	.73	.80	.80	.78	30	46	39	38	47	30	36	54	46	SW 44	SW 30	SW 16	712
9	.71	.71	.73	.72	29	45	35	36	47	27	45	46	36	SW 28	SW 22	SW 26	617
10	.67	.71	.72	.70	25	43	35	34	46	24	38	43	36	SW 32	S 30	SW 34	616
11	.63	.82	.92	.79	25	42	34	34	45	24	38	34	34	SW 65	S 42	SW 28	861
12	.90	.94	.91	.92	29	46	38	38	48	26	45	40	45	SW 26	SW 20	S 20	534
13	.86	.85	.83	.84	33	46	28	36	48	28	51	40	43	S 30	SW 22	NW 32	534
14	.90	.99	1.00	.96	26	49	38	38	51	22	52	37	31	NW 4	S 4	S 24	460
15	.98	1.05	.94	.99	33	51	40	41	55	31	32	34	19	SW 32	SW 4	S 22	511
16	1.03	1.09	1.06	1.06	34	53	37	41	53	34	34	36	23	SW 22	SW 12	0	405
17	1.03	1.08	1.07	1.06	36	51	41	43	54	34	45	40	33	SW 14	SW 20	N 8	296
18	1.03	1.12	1.10	1.08	40	56	41	46	58	35	48	19	57	SE 10	SW 10	S 18	216
19	1.11	1.12	1.07	1.10	38	52	42	44	56	36	45	35	50	0	S 8	S 12	193
20	1.04	1.04	1.01	1.03	37	52	39	43	55	35	71	35	82	SW 18	SW 10	S 16	276
21	.94	.97	.97	.96	33	43	38	38	53	32	70	59	54	SW 28	SW 6	SW 8	378
22	.93	.98	.97	.96	34	52	41	42	57	31	43	23	49	W 22	SW 3	SW 18	337
23	.97	1.00	.96	.98	34	47	30	37	48	29	52	15	89	W 8	NW 8	NW 18	175
24	.96	.99	.98	.97	33	30	33	32	45	27	89	100	89	0	NW 14	NE 8	181
25	.96	.99	.99	.98	33	30	34	32	44	29	70	100	61	NW 16	N 16	N 16	247
26	.97	.97	.94	.96	33	39	35	35	46	30	51	91	53	N 8	NE 12	N 16	253
27	.96	.96	.98	.97	33	42	34	36	47	32	61	58	90	NW 20	SW 12	SW 30	327
28	.96	.98	1.04	.99	31	39	34	35	42	29	58	55	43	SW 18	NW 12	NW 16	407
29	.98	.96	.94	.96	34	45	35	38	45	32	34	84	80	W 20	SW 10	S 18	389
30	.89	.94	.97	.93	34	49	40	41	52	30	43	31	56	NW 28	SW 8	NW 10	367
Means	.89	.94	.93	.92	30.2	43.4	35.2	36.3	47.3	27.7	53	49	51	23	15	19	12978

REMARKS.

June 5. Snow, B. D. N.; E. 6.25 A.M.
 18. " B. 2.30 P.M.; E. 3.15 P.M.
 20. " B. 3.15 P.M.; E. 3.40 P.M.

June 20. Snow, B. 6.50 P.M.; E. 8.35 P.M.
 21. " B. 3.00 P.M.; E. 5.25 P.M.
 22. Hail, B. 7.50 P.M.; E. 8.45 P.M.

JUNE, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	Hidden	CK 3 W	0	Fog	s 3 E	0	Fy	F	Cr
2	0	0	0	0	0	0	Cr	Cr	Cr
3	0	0	0	0	0	0	Cr	Cr	Cr
4	0	CK 3 SW	CS 10 SW	0	0	0	Cr	Cr	Cy
5	.03	.01	.	.04	Hidden	K 3	0	N 10 W	0	0	LS	Cr	Cr
6	CS 3	K 7 W	CS 7	0	0	0	Cr	F	F
7	0	K 2	CS 10	0	0	0	Cr	Cr	Cy
8	CS 2	K 2 SW	K 8 SW	0	0	0	Cr	Cr	Cy
9	CS 3	K 3 SW	CS 2	0	0	0	Cr	Cr	Cr
10	0	K 2 SW	CS 3	0	0	0	Cr	Cr	Cr
11	0	0	0	0	Smoke	0	Cr	Sm	Cr
12	0	K 2 SW	0	0	Smoke	0	Cr	Sm	Cr
13	0	0	0	0	Smoke	0	Cr	Sm	Cr
14	0	0	0	0	0	0	Cr	Cr	Cr
15	0	0	CK 5	0	0	0	Cr	Cr	F
16	0	K 5 W	0	0	0	0	Cr	F	Cr
17	CS 3	K 5 SW	K 2	0	0	0	Cr	F	Cr
18	.	.	.03	.03	K 5 SE	K 7 SW	K 2 SW	0	0	0	F	F	Cr
19	CS 3	0	Hidden	0	KS 8	s 10	Cr	Cy	Cy
20	.	.	.07	.07	0	Hidden	0	KS 8 SW	KS 10 SW	KS 8 s	Cy	Cy	Cy
21	.	.	.05	.05	Hidden	0	K 5	KS 10	KS 8 SW	0	Cy	Cy	F
22	.	.	.03	.03	CS 3	K 8 SW	0	0	0	KS 5	Cr	Cy	F
23	.	.	.12	.12	K 2	K 5	Hidden	0	0	N 10 NW	Cr	F	LS
24	.21	.02	.03	.26	K 5	Hidden	0	0	N 10 NW	s 5	F	LS	F
25	.	.06	.04	.10	CS 2	Hidden	CS 3	0	N 10 N	0	Cr	HS	Cr
26	.	T	.02	.02	CS 3	Hidden	CS 3	0	N 10 NE	0	Cr	LS	Cr
27	.	.	.02	.02	CS 8 NW	K 5 W	Hidden	0	KS 3	Fog	Cy	Cy	Fy
28	0	K 7 W	0	0	0	0	Cr	F	Cr
29	.	.	.05	.05	K 2 W	Hidden	0	0	KS 10 W	KS 7 W	Cr	Cy	F
30	0	0	CS 5	0	0	0	Cr	Cr	F
Total	.24	.09	.46	.79									

REMARKS.

June 23. Snow, B. 7.10 P.M.; E. D. N.
 24. " B. 1.00 P.M.; E. 1.45 P.M.
 25. " B. 12.42 P.M.; E. 2.30 P.M.

June 26. Snow, B. 1.00 P.M.; E. 1.35 P.M.
 27. " B. 4.10 P.M.; E. 7.25 P.M.
 29. " B. 2.20 P.M.; E. 5.10 P.M.

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JULY, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Direction and Velocity in Miles per Hour.			24 Hours.
														A.M. 5.07	P.M. 1.07	P.M. 9.07	
1	.96	.97	.95	.96	38	51	41	43	51	34	38	46	57	SW 16	SW 24	SW 18	275
2	.96	1.00	1.00	.99	37	50	40	42	51	30	45	32	56	SW 20	SW 14	SW 18	449
3	.96	.99	.99	.98	37	51	42	44	51	35	45	40	42	SW 20	SW 11	SW 14	332
4	1.01	1.03	1.07	1.04	35	49	36	40	51	30	53	37	100	NW 8	SW 8	NE 2	284
5	1.06	1.09	1.11	1.09	35	40	35	37	42	32	53	100	70	SW 5	s 8	s 12	182
6	1.08	1.06	1.01	1.05	34	50	35	40	51	31	70	39	70	SW 10	s 11	SW 30	235
7	.97	1.02	1.00	1.00	33	45	37	38	45	32	70	39	38	N 36	SW 16	NW 28	545
8	1.04	1.05	1.07	1.05	34	49	43	42	55	32	70	57	43	NW 12	w 6	w 12	313
9	1.05	1.00	.98	1.01	39	43	38	40	45	32	46	43	54	E 4	E 6	E 5	196
10	.86	.86	.81	.84	38	47	39	41	47	33	63	48	73	E 6	SW 7	SW 40	178
11	.83	.90	.94	.92	33	46	40	40	50	31	79	69	65	SW 40	SW 28	SW 24	793
12	.99	1.06	1.10	1.05	35	50	39	41	52	32	70	45	82	SW 22	SW 8	NW 12	472
13	1.12	1.12	1.16	1.13	36	47	39	41	49	32	90	55	64	SE 8	SW 11	NW 11	259
14	1.14	1.13	1.13	1.13	35	44	35	38	44	31	70	100	70	E 6	SW 10	NW 6	197
15	1.13	1.13	1.12	1.13	36	43	35	38	43	33	80	75	70	E 10	s 8	NW 20	231
16	1.11	1.11	1.09	1.10	33	40	31	35	42	31	89	100	79	SW 16	NW 8	SE 7	365
17	1.06	1.09	1.07	1.07	32	40	34	35	40	29	69	91	100	SE 8	SE 6	NE 8	173
18	1.01	1.06	1.06	1.04	34	40	35	36	40	30	79	91	70	NE 4	SE 12	NE 10	195
19	1.06	1.05	1.04	1.05	34	45	37	39	45	33	61	84	81	NE 4	s 18	SE 16	165
20	1.04	1.06	1.11	1.07	35	38	38	37	45	33	70	91	72	NE 14	w 8	0	234
21	1.06	1.11	1.14	1.10	38	40	35	38	45	35	72	100	100	NW 5	NW 11	NW 8	119
22	1.14	1.16	1.17	1.15	35	43	38	39	43	33	70	75	63	N 12	NW 9	N 12	257
23	1.14	1.10	1.05	1.10	37	38	32	36	42	30	71	100	79	E 6	NW 15	NE 18	244
24	1.00	.98	.99	.99	32	31	30	31	35	29	79	100	100	SW 8	NE 12	NE 6	232
25	.99	1.00	1.00	1.00	30	34	33	32	36	28	100	100	89	E 4	s 2	NW 14	124
26	.99	1.00	.98	.99	33	35	33	34	37	31	79	100	79	N 14	NE 2	NE 2	197
27	.97	.98	.96	.97	32	41	36	36	41	31	79	82	90	NE 12	NE 3	NE 6	167
28	.98	.99	.97	.98	33	41	35	36	41	32	79	91	100	SW 6	SW 10	SW 12	206
29	.93	.98	.98	.96	32	44	37	38	44	30	59	84	81	NW 20	w 8	w 12	340
30	.99	1.00	1.00	1.00	31	43	39	38	44	28	69	75	73	N 11	SW 4	s 8	249
31	1.04	1.06	1.08	1.06	33	48	40	40	50	31	70	56	65	w 12	s 8	s 3	231
Means	1.02	1.04	1.04	1.03	34.5	43.4	36.7	38.2	45.1	31.5	69	72	73	12	10	13	8439

REMARKS.

July 2. Snow, B 1.50 P.M.; E. 2.10 P.M.

4. Hail, B. 4.50 P.M.; E. D. N.

5. " B. 11.30 A.M.; E. 3.40 P.M.

6. Hail & Snow, B. 1.50 P.M.; E. 2.55 P.M.

9. Snow, B. 2.30 P.M.; E. 3.10 P.M.

July 10. Snow, B. 4.50 P.M.; E. 5.40 P.M.

13. " { B. D. N.; E. D. N.

" { B. 3.40 P.M.; E. 5.10 P.M.

14. { Hail, B. 12.10 P.M.; E. 1.40 P.M.

" { Snow, B. 2.20 P.M.; E. 6.30 P.M.

July 15. Snow, B. 4.45 P.M.; E. 5.30 P.M.

16. " B. 12 M.; E. 4.40 P.M.

17. " B. 1.50 P.M.; E. D. N.

18. Hail, B. 5.10 P.M.; E. 7.15 P.M.

19. Snow, B. 1.25 P.M.; E. 2.50 P.M.

JULY, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.	.	.	.	0	0	0	0	KS 7 W	0	Cr	F	Cr
2	.	.	T	T	0	0	CS 10	0	KS 7 W	0	Cr	F	Cy
3	.	.	.	.	0	0	CS 3	0	KS 7 S	0	Cr	F	Cr
4	.	.	.28	.28	0	Hidden	Hidden	0	KS 10	N 10 NE	Cr	Cy	Hail
5	.05	.13	.15	.33	0	Hidden	0	0	N 10 S	KS 5	Cr	Hail	F
6	.	.	.04	.04	K 2	Hidden	CS 3	0	KS 10	0	Cr	Cy	Cr
7	.	.	.	.	C 5 NW	Hidden	CS 2	0	KS 10	0	F	Cy	Cr
8	.	.	.	.	0	K 2	CS 5	0	0	0	Cr	Cr	F
9	.	.	.01	.01	CK 5	Hidden	CS 5	0	KS 10	0	F	Cy	F
10	.	.	.03	.03	CS 7	Hidden	CK 2	0	KS 10 W	0	F	Cy	Cr
11	.	.	.	.	0	K 2	0	0	0	0	Cr	Cr	Cr
12	.	.	.	.	0	CK 5 W	Hidden	0	0	S 10	Cr	F	Cy
13	.08	.	.10	.18	CS 10	0	Hidden	0	KS 5 NW	KS 10	Cy	F	Cy
14	.	.10	.11	.21	CS 3	Hidden	CS 10	0	N 10 SW	0	Cr	Hail	Cy
15	.	.	.02	.02	CS 5	Hidden	Hidden	0	Fog	KS 10 NW	F	Fy	Cy
16	.	.08	.20	.28	Hidden	Hidden	CS 3	Fog	N 10 NW	0	Fy	LS	Cr
17	.	.	.15	.15	CS 5	Hidden	Hidden	0	KS 10 N	N 10	F	Cy	LS
18	.06	.	.07	.13	CS 5	Hidden	CK 2	0	KS 10	0	F	Cy	Cr
19	.	.	.06	.06	CS 3	Hidden	CK 5 W	0	KS 10 S	0	Cr	Cy	F
20	.	.29	.11	.40	CK 3	Hidden	CS 5	0	KS 10 W	0	Cr	Cy	F
21	.04	.06	.28	.38	K 5 N	Hidden	Hidden	0	N 10	N 10	F	Hail	Hail
22	.09	.	.	.09	0	K 10 NW	0	0	0	0	Cr	Cy	Cr
23	.	.08	2.31	2.39	CS 3	Hidden	CS 10	0	N 10	0	Cr	HH	Cy
24	.	.19	.28	.47	Hidden	Hidden	Hidden	S 10	N 10	N 10	Cy	LS	LS
25	.06	.41	.34	.81	Hidden	Hidden	0	Fog	N 10	S 8 NW	Fy	HS	Cy
26	.	.01	.30	.31	0	Hidden	0	0	N 10	KS 3	Cr	LS	Cr
27	.	.	.	.	0	C 3	Hidden	0	KS 5 NW	Fog	Cr	F	Fy
28	.	.	.10	.10	0	Hidden	Hidden	KS 7	Fog	N 10	F	Fy	Hail
29	.02	.	.	.02	CK 2	0	0	0	KS 7 W	KS 5	Cr	F	F
30	.	.	.	.	0	K 2	0	0	S 3 N	S 3	Cr	F	Cr
31	.	.	.	.	0	K 5 SE	0	0	0	KS 7	Cr	F	F
Total	.40	1.35	4.94	6.69									

REMARKS.

July 20. { Hail, B. 11.00 A.M.; E. 12.40 P.M.
 { Snow, B. 2.20 P.M.; E. 4.08 P.M.
 21. { " B. D.N.; E. D.N.
 { Hail, B. 12.20 P.M.; E. D.N.
 July 23. Hail & Snow, B. 12.30 P.M.; E. 5.30 P.M.
 24. Rain, Hail, & Snow. { B. 6.40 A.M.;
 { E. D.N.
 25. Rain & Snow, B. 7.30 A.M.; E. 5.15 P.M.
 July 26. Snow, B. 12.30 P.M.; E. 3.10 P.M.
 28. { Hail, B. 7.00 P.M.; E. 9.45 P.M.
 { Snow, B. 2.20 P.M.; E. 3.15 P.M.

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AUGUST, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.				Movement. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Direction and Velocity in Miles per Hour.				
														A.M. 5.07	P.M. 1.07	P.M. 9.07		
1	1.11	1.15	1.17	1.14	37	47	34	39	48	34	53	70	79	NE 4	S 13	W 2	120	
2	1.17	1.15	1.13	1.15	33	43	33	40	43	31	51	100	79	0	SE 6	NE 5	158	
3	1.07	1.08	1.06	1.07	33	36	32	34	40	32	79	100	79	NE 5	SW 12	NW 10	138	
4	1.04	1.09	1.10	1.08	32	40	39	37	46	27	79	65	55	N 14	NE 10	NE 14	319	
5	1.10	1.12	1.10	1.11	37	51	41	43	54	36	63	59	49	NW 14	SE 4	SW 20	179	
6	1.11	1.11	1.10	1.11	39	51	39	43	53	36	55	46	82	NW 10	NE 6	SW 10	293	
7	1.08	1.06	1.12	1.09	34	33	32	33	39	32	70	100	59	N 18	NE 14	NE 13	221	
8	1.11	1.12	1.12	1.12	32	40	34	35	42	29	59	82	100	NE 6	NE 6	NE 6	156	
9	1.10	1.07	1.04	1.07	33	36	34	34	48	32	61	100	70	NE 8	NE 10	S 6	176	
10	1.01	1.02	1.03	1.02	32	46	38	35	48	30	69	69	63	NW 14	SE 3	S 16	236	
11	1.04	1.07	1.09	1.07	36	46	39	40	47	34	53	54	64	SW 4	SW 4	SW 15	184	
12	1.09	1.12	1.10	1.11	37	45	38	40	50	34	63	68	91	S 8	SE 4	SE 18	194	
13	1.06	1.06	1.05	1.06	34	47	37	39	50	32	70	77	81	NW 6	SW 8	S 18	183	
14	1.01	.99	.98	.99	34	40	37	37	42	32	79	82	71	SW 12	S 8	S 12	266	
15	.92	.89	.87	.89	35	43	32	37	43	32	90	100	100	S 6	NE 6	NW 10	194	
16	.88	1.00	1.08	.99	28	41	39	36	44	27	88	57	64	N 8	NW 14	SW 8	243	
17	1.10	1.16	1.11	1.12	34	51	41	42	52	33	60	34	65	SW 24	SW 4	S 18	289	
18	1.00	1.07	1.08	1.05	36	46	40	41	48	35	61	69	91	SW 16	W 14	SW 14	360	
19	1.08	1.07	1.02	1.06	37	43	37	39	46	35	81	83	90	SW 6	S 14	S 16	203	
20	.97	.95	.97	.96	32	32	28	31	37	27	100	100	88	W 8	W 14	N 12	260	
21	.95	.97	.96	.96	28	38	32	33	41	27	77	81	79	N 12	E 4	NE 14	258	
22	.90	.85	.90	.89	31	39	34	35	40	29	79	91	90	NE 12	NE 8	NW 10	243	
23	.88	.94	.96	.93	32	40	37	36	43	31	79	65	63	NE 12	NE 10	SE 6	197	
24	.97	.99	.97	.98	33	50	38	40	52	32	70	65	100	E 12	SW 12	SW 15	221	
25	.96	.95	.96	.96	33	48	37	39	49	32	70	56	71	SW 6	SE 6	SW 14	310	
26	.92	.92	.92	.92	33	44	36	38	46	32	70	68	61	SW 22	SW 16	SW 16	369	
27	.92	.85	.94	.90	33	30	33	32	41	29	61	89	70	S 10	SW 40	NW 3	322	
28	.94	.95	.95	.95	29	45	35	36	48	29	67	39	90	S 16	S 10	SW 28	249	
29	.92	.95	.94	.94	30	47	34	37	48	29	78	70	61	SW 24	SW 22	SW 26	569	
30	.80	.84	.86	.83	30	44	31	35	46	29	57	68	58	SW 64	SW 32	W 26	776	
31	.84	.84	.82	.83	26	38	30	31	39	22	63	63	89	SW 24	SW 22	S 24	559	
Means	1.00	1.01	1.02	1.01	33.0	42.6	35.5	37.0	45.6	31.0	70	73	76	13	11	14	8445	

REMARKS.

Aug. 1. Hail & Snow, B. 12.40 P.M.; E. 7.55 P.M.	Aug. 7. Hail, B. 10.20 A.M. At interv. E. 4.50 P.M.	Aug. 11. Snow, B. 12 M.; E. 12.15 P.M.
2. Hail, B. 1.00 P.M.; E. 5.10 P.M.	8. { Hail, B. 4.50 P.M.; E. 6.05 P.M.	13. Snow, { B. 11.30 A.M.; E. 12.20 P.M.
3. Hail & Snow, B. 11.40 A.M.; E. 3.00 P.M.	9. Snow, B. 8.15 P.M.; E. D. N.	{ B. 4.10 P.M.; E. 6.00 P.M.
4. Snow, B. D. N.; E. D. N.	10. " B. 10.20 A.M.; E. 4.10 P.M.	14. Hail & Snow, { B. 11.50 A.M. At inter-
6. " B. 5.30 P.M.; E. 7.40 P.M.		vals. E. 3.00 P.M.

AUGUST, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.	.02	.20	.22	K 2	Hidden	0	0	KS 10 W	KS 5	Cr	Cy	F
2	.	.01	.35	.36	K 2	Hidden	0	0	N 10	KS 3	Cr	Hail	Cr
3	.	.12	.36	.48	CK 5	Hidden	0	0	N 10	KS 8	F	HS	Cy
4	.04	.	.	.04	0	K 5 NW	0	0	0	0	Cr	F	Cr
5	.	.	.	.	0	K 3	CS 5	0	0	0	Cr	Cr	F
6	.	.	.03	.03	CK 3	CK 10 N	0	0	0	s 8	Cr	Cy	Cy
7	.	.07	.03	.10	CK 3	Hidden	CS 2	0	N 10 NE	0	Cr	Hail	Cr
8	.	.	.12	.12	0	CK 7 NW	Hidden	0	0	N 10	Cr	F	LS
9	.03	.16	.05	.24	0	Hidden	CS 3	0	N 10 NE	0	Cr	LS	Cr
10	.	.	.02	.02	CS 2	K 8 NE	0	0	0	0	Cr	Cy	Cr
11	.	T	.	T	0	0	0	0	KS 8	0	Cr	Cy	Cr
12	.	.	.	.	0	0	Hidden	0	KS 8	s 10 SE	Cr	Cy	Cy
13	.	.04	.03	.07	0	0	0	0	s 5 SW	KS 8 s	Cr	F	Cy
14	.	.11	.12	.23	0	Hidden	0	KS 8	N 10	s 8	Cy	LH	Cy
15	.	.13	.38	.51	Hidden	Hidden	Hidden	KS 10	N 10 NE	s 10 NW	Cy	LR	Cy
16	.	.	.	.	K 3	K 8 NW	0	0	0	0	Cr	Cy	Cr
17	.	.	.	.	CS 2	K 2	CK 2	0	0	0	Cr	Cr	Cr
18	.	.	.16	.16	CS 5 SW	0	Hidden	0	KS 8 W	N 10	F	Cy	LR
19	.02	.11	.08	.21	Hidden	Hidden	Hidden	s 10	D. Fog	N 10 s	Cy	Fy	LR
20	.28	.16	.04	.48	Hidden	Hidden	0	N 10	N 10 W	0	LS	LS	Cr
21	.	.	.	.	CS 3	0	C 5	0	s 8 E	0	Cr	Cy	F
22	.	.	.05	.05	Hidden	Hidden	0	s 10 NE	s 10 NE	KS 8 NW	Cy	Cy	Cy
23	.	.	.	.	CS 3	K 8 N	0	0	0	s 3	Cr	Cy	F
24	.	.	.22	.22	CS 3	K 10 SW	Hidden	0	0	N 10	Cr	Cy	LS
25	.09	.	.27	.36	0	K 5 SE	0	s 5 SW	0	s 5 SW	F	F	F
26	.	.	.22	.22	0	K 10 SW	CS 3	0	0	0	Cr	Cy	Cr
27	.	.14	.	.14	Hidden	K 5 SW	0	s 10 s	0	KS 8 W	Cy	F	Cy
28	.04	.	.	.04	K 5 SW	K 8 SW	Hidden	0	0	D. Fog	F	Cy	Fy
29	.	.	.	.	K 3	K 8 SW	0	0	0	0	Cr	Cy	Cr
30	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
31	.	.	.	.	0	0	Hidden	0	0	D. Fog	Cr	Cr	Fy
Total	.50	1.07	2.73	4.30									

REMARKS.

Aug. 15. Rain & Snow, B. 8.45 A.M.; E. 7.40 P.M.	Aug. 20. Snow, { B. 10.30 A.M. At intervals.	Aug. 25. Hail, { B. 1.40 P.M. At intervals.
18. Rain, B. 1.30 P.M. At intervals. E. D. N.	{ E. 6.35 P.M.	{ E. 8.10 P.M.
19. Rain & Snow, { B. 10.00 A.M. At in-	22. " { B. 1.20 P.M.; E. 1.48 P.M.	26. " B. 1.28 P.M.; E. 2.15 P.M.
{ tervals. E. 6.15 A.M.	{ B. 6.40 P.M.; E. 8.25 P.M.	27. " B. 11.10 A.M.; E. 12.40 P.M.
of 20th.	24. " B. 3.20 P.M.; E. D. N.	28. " B. D. N.; E. D. N.

SEPTEMBER, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.	
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07		P.M. 9.07
	1	.81	.81	.84	.82	24	28	23	24	34	20	61	100	100	SW 12		NE 6	NW 20	381.
2	.82	.86	.93	.87	20	25	23	23	33	20	85	87	86	SW 20	NW 4	NW 24	329
3	.95	.97	1.00	.97	22	36	34	31	38	21	72	53	61	N 8	SW 7	SW 8	298
4	1.01	1.03	1.04	1.02	29	42	36	36	44	26	56	74	71	W 10	SW 6	SW 4	260
5	1.06	1.07	1.09	1.08	32	40	33	35	44	30	59	48	70	SW 3	NE 2	NE 4	86
6	1.10	1.09	1.09	1.09	30	32	30	31	36	28	89	79	68	NE 10	NE 6	NE 6	188
7	1.06	1.06	1.06	1.06	30	38	30	33	38	27	68	81	78	E 6	NE 12	NE 8	209
8	1.04	1.03	1.04	1.04	30	36	34	33	36	29	68	100	70	NE 8	NE 3	SW 8	212
9	.99	1.02	.98	1.00	30	36	32	33	36	28	68	100	79	N 18	NE 3	SW 2	211
10	.97	.97	.94	.96	29	45	33	42	45	28	67	92	70	NW 10	SW 6	SW 8	174
11	.94	.99	.99	.97	28	44	33	35	44	28	54	45	61	NW 22	SW 10	SW 18	281
12	.98	1.02	1.02	1.01	27	37	32	32	37	26	76	53	69	SW 24	SW 16	SW 11	474
13	1.00	.98	.94	.97	27	38	32	32	43	26	64	45	69	SW 28	W 8	SW 25	430
14	.93	.92	.92	.92	29	38	34	34	40	27	56	45	70	SW 11	SE 7	SW 6	362
15	.98	.99	1.00	.99	29	43	35	36	45	28	45	43	61	NW 3	SW 10	SW 20	118
16	1.01	.99	.96	.99	32	46	36	38	46	31	59	40	53	SW 8	S 12	S 12	276
17	.91	.90	.86	.79	33	44	34	37	44	32	61	76	90	SW 10	SE 6	SW 22	263
18	.83	.86	.87	.85	25	40	30	32	44	22	62	65	68	SW 22	SW 14	SW 20	446
19	.93	.97	1.01	.97	25	35	29	30	36	24	62	53	56	SW 16	SW 25	SW 26	493
20	1.00	1.02	.97	1.00	26	39	30	32	40	25	52	38	100	SW 40	SW 12	SE 4	659
21	.91	.97	.98	.95	23	28	25	25	35	22	86	54	75	NE 16	E 8	NE 16	207
22	.98	.99	.95	.97	24	36	30	30	40	23	61	45	68	NE 8	NE 8	SW 22	208
23	.93	.96	.94	.95	27	40	33	33	44	25	53	39	61	SW 28	SW 16	SW 20	467
24	.81	.85	.84	.83	28	39	30	32	42	26	54	38	78	SW 50	SW 20	SW 4	632
25	.77	.74	.76	.75	23	25	16	21	30	16	100	100	83	SE 12	SW 8	SW 4	275
26	.75	.77	.80	.77	13	12	8	11	17	8	81	61	55	0	SW 6	N 28	104
27	.87	.93	.98	.93	8	28	25	20	32	7	55	43	50	N 30	N 28	N 18	499
28	1.01	1.03	1.04	1.02	23	33	26	27	36	22	60	61	63	NE 20	SW 10	SW 12	497
29	1.04	1.04	1.01	1.03	27	35	30	31	40	26	64	53	68	N 18	W 16	SW 14	378
30	.97	.96	.96	.96	27	33	29	30	33	25	64	70	78	SW 30	NW 2	SW 8	407
Means	.95	.96	.96	.96	26.0	35.7	29.5	30.4	38.4	24.0	65	63	71	17	10	13	9824

REMARKS.

Sept. 1. Hail and Snow, B. 10.40 A.M.; E. 9.35 P.M.
 2. Snow, B. 11.50 A.M. At intervals. E. 4.00 P.M.
 6. Hail, B. 10.20 A.M. At intervals. E. 2.25 P.M.
 8. Hail, B. 11.20 A.M.; E. 2.20 P.M.

Sept. 9. Hail and Snow, { B. 11.50 A.M. At intervals.
 E. 7.30 P.M.
 10. Hail, B. 1.40 P.M.; E. 2.50 P.M.
 18. " B. 2.15 P.M.; E. 6.55 P.M.

SEPTEMBER, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.	.20	.58	.78	cs 2	Hidden	Hidden	0	N 10	N 10	Cr	LH	LS
2	.02	.03	.16	.21	cs 3	Hidden	0	0	KS 10 W	0	Cr	Cy	Cr
3	0	K 2	0	0	0	0	Cr	Cr	Cr
4	0	CK 3	K 5	0	0	0	Cr	Cr	F
5	CK 3	0	CK 3	0	KS 5 N	0	Cr	F	Cr
6	.	.30	.04	.34	Hidden	Hidden	0	Fog	KS 10 S	S 5	Fy	Cy	F
7	0	K 3	CS 3	0	KS 4 N	0	Cr	F	Cr
8	.	.04	.04	.08	cs 2	Hidden	CK 3	0	N 10	0	Cr	LH	Cr
9	.	.03	.22	.25	0	Hidden	cs 10	0	N 10	0	Cr	LH	Cy
10	.	.	.03	.03	0	0	CS 3	0	KS 5 SW	0	Cr	F	Cr
11	0	K 2	CS 2	0	0	0	Cr	Cr	Cr
12	0	K 2	CS 7	KS 3 SW	0	0	F	Cr	F
13	CS 2	CK 2	0	0	0	0	Cr	Cr	Cr
14	CS 3	CS 5	CK 3	0	0	0	Cr	F	Cr
15	0	K 5 W	0	0	0	0	Cr	F	Cr
16	CK 2	CK 7 W	CS 5	0	0	0	Cr	F	F
17	CK 3	K 3	0	0	KS 4 W	KS 5 SW	Cr	F	F
18	.	.	.09	.09	CK 3	0	K 2	0	KS 7 W	0	Cr	F	Cr
19	K 3	K 2	CK 3	0	KS 3 SW	S 3 W	Cr	F	F
20	.	.	.10	.10	0	K 5 W	Hidden	0	0	N 10	Cr	F	LS
21	.20	.	.32	.52	Hidden	CK 7	CK 2	D. Fog	0	0	Fy	F	Cr
22	0	K 2	0	0	0	0	Cr	Cr	Cr
23	0	K 3 NW	0	0	0	0	Cr	Cr	Cr
24	CK 5	CK 3	Hidden	0	0	S 10	F	Cr	Cy
25	.06	1.12	.17	1.35	Hidden	Hidden	Hidden	N 10	N 10	L. Fog	LS	LS	Fy
26	.07	.05	.	.12	Hidden	CS 3	0	Fog	S 3 W	S 3 N	Fy	F	Cr
27	CK 2	C 2	0	0	0	0	Cr	Cr	Cr
28	CK 5	CS 5	CS 2	0	0	0	F	F	Cr
29	CS 2	CK 3	CS 2	0	0	0	Cr	Cr	Cr
30	CS 5	CS 10	CS 5	0	0	0	F	Cy	F
Total	.35	1.77	1.75	3.87									

REMARKS.

Sept. 20. Snow, B. 5.50 P.M.; E. D. N.
 21. Hail, B. 4.50 P.M.; E. 6.40 P.M.
 25. Snow, B. D. N.; E. 3.20 P.M.

Sept. 26. Snow, { B. D. N.; E. D. N.
 { B. 9.30 A.M.; E. 12.20 P.M.

OCTOBER, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
				Mean.				Mean.						Direction and Velocity in Miles per Hour.			Movement. 24 Hours.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07		A.M. 5.07	P.M. 1.07	P.M. 9.07		Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.95	.95	.90	.93	26	32	25	28	32	25	63	89	50	SW 10	NW 11	W 24	228		
2	.87	.84	.88	.86	24	23	14	20	32	11	61	86	100	W 22	N 10	N 14	438		
3	.95	1.01	1.02	.99	15	28	19	21	31	14	82	77	69	NE 6	SW 8	N 16	194		
4	1.01	1.04	1.05	1.03	18	23	24	22	27	16	53	60	61	N 20	NE 12	NE 20	368		
5	1.04	1.05	1.03	1.04	22	35	30	29	37	21	58	61	57	NE 20	S 10	SW 12	321		
6	1.01	.99	.98	.99	27	36	29	31	38	25	53	45	24	SW 14	SW 16	SW 8	241		
7	.93	.92	.87	.91	26	38	28	31	38	24	40	45	54	W 24	SW 8	SW 18	363		
8	.80	.78	.64	.74	24	32	22	26	34	22	48	50	58	SW 36	SW 14	SW 45	494		
9	.57	.59	.61	.59	16	24	18	20	26	15	100	48	84	SW 30	SW 44	SW 16	717		
10	.58	.57	.66	.60	13	16	9	13	19	8	100	100	100	SW 8	S 10	S 6	372		
11	.70	.77	.79	.75	9	16	15	13	17	7	100	100	100	SE 6	E 16	S 8	173		
12	.77	.72	.68	.72	18	19	16	18	19	14	100	85	100	SE 6	SW 24	S 8	191		
13	.52	.70	.76	.66	3	11	15	10	16	0	73	80	65	W 8	W 56	W 32	302		
14	.69	.64	.60	.64	17	17	12	15	19	11	67	67	80	NW 50	W 52	SW 28	1100		
15	.48	.55	.56	.53	- 6	- 3	-11	- 7	13	-12	100	100	76	N 36	W 32	W 32	739		
16	.50	.56	.62	.56	- 6	0	3	- 1	3	-12	100	100	100	NW 36	NW 38	NW 66	896		
17	.69	.75	.78	.74	8	14	11	11	14	3	78	82	80	N 56	SE 10	W 16	1087		
18	.80	.81	.87	.83	11	16	12	13	17	8	80	66	61	W 28	N 12	W 26	511		
19	.92	.92	.91	.92	21	24	19	21	25	9	57	48	39	NW 18	NW 16	NW 20	482		
20	.90	.92	.92	.91	15	23	16	18	25	13	48	47	33	NW 6	W 10	N 14	339		
21	.87	.88	.90	.88	13	20	14	16	21	12	44	41	46	NW 24	SW 20	W 36	405		
22	.91	.91	.91	.91	19	24	18	20	24	13	54	48	53	N 20	SW 14	SW 20	502		
23	.87	.84	.87	.86	19	25	19	21	26	16	39	50	39	NW 12	W 8	NW 8	314		
24	.86	.85	.84	.85	17	25	19	20	26	15	54	38	54	W 16	SW 20	SW 20	394		
25	.84	.85	.83	.84	17	23	20	20	26	16	67	60	85	N 26	NE 8	NW 24	433		
26	.80	.76	.80	.79	16	17	13	15	20	11	100	100	100	N 12	N 20	N 8	449		
27	.77	.79	.85	.80	10	21	26	19	27	4	58	57	50	N 10	NE 28	NE 28	320		
28	.86	.86	.85	.86	26	32	32	30	34	23	40	40	59	N 22	NW 24	NW 34	509		
29	.81	.84	.80	.82	28	32	20	27	33	20	66	59	100	NW 44	SW 24	SW 14	718		
30	.73	.75	.78	.75	16	18	7	14	20	7	83	84	100	SW 8	NW 4	NW 5	305		
31	.79	.83	.81	.83	9	20	20	16	22	3	78	56	56	NE 4	NE 4	NW 16	79		
Means	.80	.81	.82	.81	15.8	22.0	17.2	18.3	24.5	11.7	69	67	69	21	19	21	13984		

REMARKS.

Oct. 1. Snow, B. 1.30 P.M.; E. 2.20 P.M.
 2. " B. 4.10 P.M.; E. D. N.
 9. " { B. D. N.; E. D. N.
 { B. 6.25 P.M.; E. 8.10 P.M.

Oct. 10. Snow, B. D. N.; E. 8.35 A.M. of 12th.
 12. " B. 3.00 P.M.; E. D. N.
 14. " B. 11.30 P.M.; E. 8.20 A.M. of 15th.
 16. " B. D. N.; E. D. N.

OCTOBER, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
					Upper.			Lower.					
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07
1	.	.	.05	.05	cs 3	Hidden	cs 3	0	ks10	0	Cr	Cy	Cr
2	.	.	.12	.12	Hidden	Hidden	Hidden	ks 10	D. Fog	N 10	Cy	Fy	LS
3	.33	.	.	.33	Hidden	K .5 SW	0	D. Fog	0	0	Fy	F	Cr
4	.	.	.	.	cs 3	cs 2 NE	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
6	.	.	.	.	cs 3	c 3	cs 5	0	0	0	Cr	Cr	F
7	.	.	.	.	ck 8 W	ck 3	cs 10 SW	0	0	0	Cy	Cr	Cy
8	.	.	.	.	cs 8 SW	Hidden	cs 3	0	s 10 SW	0	Cy	Cy	Cr
9	.03	.	.05	.08	Hidden	K 3 SW	0	Fog	0	0	Fy	Cr	Cr
10	.02	.18	.12	.32	Hidden	Hidden	Hidden	N 10 SW	N 10 S	N 10 S	LS	LS	LS
11	.23	.25	.46	.94	Hidden	Hidden	Hidden	N 10 SE	N 10 E	N 10 S	LS	HS	LS
12	.14	.07	.66	.87	Hidden	Hidden	Hidden	N 10 SE	Fog	N 10 S	LS	Fy	LS
13	.23	.	.	.23	0	Hidden	cs 3	0	Fog	0	Cr	Fy	Cr
14	.	.	.	.	cs 3	K 5 W	0	0	0	KS 8 SW	Cr	F	Cy
15	.58	.13	.	.71	Hidden	Hidden	ck 3	N 10	D. Fog	KS 5 W	LS	Fy	Cy
16	.04	.05	.08	.17	Hidden	Hidden	Hidden	D. Fog	N 10 NW	N 10 NW	Fy	LS	LS
17	.03	.	.	.03	0	0	ck 3	0	KS 8 SW	0	Cr	Cy	Cr
18	.	.	.	.	ck 5 W	ck 8 NW	0	0	0	0	F	Cy	Cr
19	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
20	.	.	.	.	cs 2	ck 5 W	cs 3	0	0	0	Cr	F	Cr
21	.	.	.	.	ck 5	K 3 W	0	0	0	0	F	Cr	Cr
22	.	.	.	.	cs 3	0	0	0	0	0	Cr	Cr	Cr
23	.	.	.	.	0	ck 2 W	0	0	0	0	Cr	Cr	Cr
24	.	.	.	.	0	ck 2	cs 8 SW	0	0	0	Cr	Cr	Cy
25	.	.	T	T	cs 8 NW	ck 5 N	0	0	0	N 7 NW	Cy	F	LS
26	.07	.08	.14	.29	Hidden	Hidden	Hidden	N 10	N 10 N	N 10	LS	HSlt	LS
27	.03	.	.	.03	0	ck 5 NE	cs 2	0	0	0	Cr	F	Cr
28	.	.	.	.	cs 3	ck 2	0	0	0	0	Cr	Cr	Cr
29	.	.	.08	.08	0	c 3 SW	Hidden	KS 5 NW	0	N 10	F	Cr	LS
30	.14	.	.19	.33	Hidden	Hidden	Hidden	D. Fog	s 10 NW	N 10	Fy	Cy	LS
31	.06	.	.	.06	0	0	0	0	0	0	Cr	Cr	Cr
Total	1.93	.76	1.95	4.64									

REMARKS.

Oct. 16. Snow, B. 8.35 A.M.; E. D. N.	Oct. 29. Snow, B. 6.00 P.M.; E. D. N.
25. " B. 8.40 P.M.; E. 5.25 A.M. of 26th.	30. " B. 3.50 P.M.; E. D. N.
26. Snow & Sleet, B. 12.50 P.M. At interv. E. D. N.	

NOVEMBER, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			24 Hours. Movement.	
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07		P.M. 9.07
	1	.78	.76	.75	.76	22	26	17	22	26	14	72	63	67	NW 16		NW 4	NW 26	336
2	.73	.70	.64	.69	15	23	14	17	25	13	65	60	82	NW 24	NW 8	SW 14	432
3	.50	.50	.53	.51	11	12	9	11	14	9	60	100	57	NE 20	W 12	W 20	383
4	.48	.45	.45	.46	0	0	-12	-4	9	-12	100	100	50	W 18	W 10	W 10	423
5	.42	.45	.53	.47	-20	-10	-18	-16	-9	-21	30	54	33	NW 24	NE 30	NE 64	385
6	.60	.70	.69	.66	-12	8	8	1	10	-18	50	55	78	N 28	W 10	W 14	818
7	.66	.62	.53	.60	6	8	10	8	12	5	100	55	58	NW 6	NE 38	NW 32	323
8	.38	.35	.35	.36	7	11	1	6	12	1	77	100	100	NW 32	W 7	NE 40	667
9	.48	.50	.49	.49	-4	3	5	1	6	-5	65	46	75	NW 16	E 4	NW 20	474
10	.39	.43	.48	.43	2	2	5	3	7	2	72	100	75	W 16	W 14	W 16	331
11	.48	.52	.58	.53	-9	0	0	-3	5	-10	56	70	70	W 8	W 6	0	300
12	.58	.60	.66	.61	-7	-5	-7	-6	0	-8	59	63	59	W 7	NE 10	NE 18	154
13	.73	.75	.75	.74	-9	0	2	-2	3	-10	56	39	44	N 20	N 10	N 36	373
14	.75	.74	.83	.77	-5	2	6	1	6	-5	26	44	76	N 30	N 42	SW 30	648
15	.84	.73	.57	.71	10	14	11	8	15	6	79	64	100	SW 8	NE 4	NW 10	521
16	.26	.19	.22	.22	1	-6	-14	-6	11	-14	100	61	45	NW 16	S 6	S 6	274
17	.14	.26	.44	.28	-31	-19	-16	-22	-14	-36	36	30	39	SW 16	E 12	N 8	217
18	.47	.42	.31	.40	-9	-4	-5	-6	-3	-16	56	65	63	SW 12	W 32	W 56	292
19	.24	.23	.27	.25	-8	-4	-12	-8	-4	-12	58	65	50	W 50	W 24	W 36	761
20	.29	.37	.37	.34	-15	-5	-7	-9	-5	-15	42	63	59	W 58	W 38	W 30	636
21	.38	.46	.59	.48	-7	-2	-5	-5	0	-8	59	67	26	W 36	W 30	W 28	737
22	.60	.67	.68	.65	0	9	6	5	10	-5	39	36	52	W 44	NW 28	W 32	868
23	.62	.57	.50	.56	5	10	5	7	10	5	50	58	75	W 28	SW 40	SW 32	675
24	.44	.45	.47	.45	7	9	6	7	9	5	77	78	100	NW 12	SW 16	SW 6	612
25	.47	.39	.51	.46	6	7	-5	3	9	-5	100	77	63	0	0	NW 16	177
26	.56	.53	.43	.52	-3	2	1	0	2	-5	32	44	42	NW 24	SW 24	SW 40	446
27	.43	.41	.39	.41	-3	4	0	0	5	-3	32	48	39	SW 48	SW 32	SW 22	917
28	.39	.38	.44	.40	-2	0	-5	-2	0	-5	67	70	63	SW 20	SW 20	SW 20	582
29	.46	.45	.37	.43	-7	0	-3	-3	1	-10	59	39	32	W 54	SW 44	SW 36	820
30	.18	.19	.28	.22	-5	-4	-4	-4	-3	-7	63	65	65	SW 46	NW 46	NW 56	1063
Means	.49	.49	.51	.50	-2.1	3.0	-0.2	0.1	5.6	-5.7	61	63	61	25	20	26	15645

REMARKS.

Nov. 2. Snow, B. 5.15 P.M.; E. 6.50 P.M.

3. " B. 8.00 A.M. At intervals. E. 1.40 P.M.

4. " B. D. N.; E. 2.20 P.M.

Nov. 7. Snow, B. D. N.; E. 6.50 A.M.

8. " B. 12.30 P.M.; E. D. N.

10. " B. 12.10 P.M.; E. 1.35 P.M.

NOVEMBER, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.			
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07	
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07				
1	.	.	.	.	0	c 3	0	0	0	0	0	Cr	Cr	Cr
2	.	.	.04	.04	0	K 5 NW	Hidden	KS 5 NW	0	s 10 SW		F	F	Cy
3	.	.04	.01	.05	Hidden	Hidden	0	KS 10	N 10	s 8		Cy	LS	Cy
4	.12	.04	.02	.18	Hidden	Hidden	0	N 10 W	N 10	s 3		HS	LS	Cr
5	.	.	.	.	0	0	0	0	0	s 3		Cr	Cr	Cr
6	.	.	.	.	0	0	Hidden	KS 8	KS 3 NW	s 10		Cy	Cr	Cy
7	.30	.02	.	.32	Hidden	cs 3	cs 10	N 10 NW	s 3 NE	0		LS	F	Cy
8	.	.04	1.12	1.16	Hidden	Hidden	Hidden	s 10 NW	N 10	N 10		Cy	LS	HS
9	.75	.	.	.75	Hidden	0	Hidden	D. Fog	0	KS 10		Fy	Cr	Cy
10	.	.02	.01	.03	Hidden	Hidden	0	D. Fog	N 10 W	s 5 W		Fy	LS	F
11	.	.	.	.	cs 3	0	Hidden	0	KS 5 SW	s 10		Cr	F	Cy
12	.	.	.	.	cs 3	0	0	0	0	0		Cr	Cr	Cr
13	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
14	.	.	.	.	0	0	Hidden	0	0	Fog		Cr	Cr	Fy
15	.	.	.25	.25	Hidden	Hidden	Hidden	D. Fog	KS 10 W	N 10		Fy	Cy	LS
16	.70	.05	.	.75	Hidden	Hidden	Hidden	N 10 NW	D. Fog	s 10		HS	Fy	Cy
17	.08	.	.	.08	0	0	0	s 3 SW	0	0		Cr	Cr	Cr
18	.	.	.	.	0	cs 2	cs 3	0	0	0		Cr	Cr	Cr
19	.	.	.08	.08	cs 3	Hidden	Hidden	0	D. Fog	D. Fog		Cr	Fy	Fy
20	.	.	.	.	0	ck 3	Hidden	0	s 7 W	D. Fog		Cr	Cy	Fy
21	.04	.	.	.04	0	Hidden	cs 2	s 5 W	s 10 W	0		F	Cy	Cr
22	.	.	.	.	0	cs 7	0	0	0	0		Cr	F	Cr
23	.	.	.	.	cs 3	cs 10	cs 10	0	0	0		Cr	Cy	Cy
24	.	.	.01	.01	Hidden	Hidden	Hidden	D. Fog	D. Fog	N 10		Fy	Fy	LS
25	.30	.03	.	.33	Hidden	Hidden	0	N 10	D. Fog	0		LS	Fy	Cr
26	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
27	.	.	.	.	0	cs 3	0	0	0	0		Cr	Cr	Cr
28	.	.	.	.	Hidden	Hidden	Hidden	D. Fog	D. Fog	Fog		Fy	Fy	Fy
29	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
30	.	.	.	.	Hidden	0	0	D. Fog	0	0		Fy	Cr	Cr
Total	2.29	.24	1.54	4.07										

REMARKS.

Nov. 15. Snow, B. 5.10 P.M.; E. 6.00 A.M. of 16th.

17. " B. D. N.; E. D. N.

19. " B. 5.15 P.M.; E. 7.15 P.M.

Nov. 21. Snow, B. D. N.; E. D. N.

24. " B. 8.10 P.M.; E. 6.20 A.M. of 25th.

DECEMBER, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.	
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07		P.M. 9.07
	1	.38	.44	.48	.43	- 2	5	3	3	7	- 5	35	50	46	w 48		w 48	w 40	1127
2	.47	.50	.54	.50	2	7	4	4	9	0	44	31	48	w 52	w 56	w 44	1113
3	.49	.45	.34	.43	4	8	6	6	8	2	48	33	52	w 48	sw 40	sw 52	1147
4	.09	.01	.18	.09	0	- 2	- 7	- 3	6	- 7	70	67	59	sw 44	w 44	w 38	978
5	.24	.23	.43	.30	-10	- 3	-12	- 8	2	-15	54	100	100	w 36	w 30	nw 24	910
6	.55	.66	.78	.66	- 9	- 1	8	- 1	8	-15	56	68	55	nw 62	w 45	n 22	1176
7	.80	.88	.83	.84	16	21	15	17	21	5	66	43	30	nw 40	nw 2	nw 40	768
8	.83	.87	.91	.87	13	16	16	15	18	10	44	49	49	nw 32	n 10	n 10	684
9	.93	.95	.98	.95	15	19	16	17	21	14	48	39	49	nw 16	nw 10	n 12	282
10	1.01	.98	.93	.97	19	21	16	19	22	13	25	29	33	nw 10	sw 12	nw 32	248
11	.86	.84	.84	.85	21	20	18	20	21	13	57	56	53	ne 25	0	n 24	566
12	.79	.74	.69	.74	18	21	19	19	22	15	53	43	54	ne 30	n 40	n 40	644
13	.58	.63	.65	.62	13	16	14	14	20	8	62	49	46	nw 48	w 40	nw 36	905
14	.60	.51	.50	.54	14	17	17	16	19	11	46	51	51	w 42	w 40	w 45	905
15	.51	.47	.47	.48	14	16	15	15	18	10	64	83	82	sw 30	s 20	sw 10	826
16	.35	.26	.29	.30	12	11	8	10	16	7	80	100	100	sw 16	w 8	n 32	330
17	.43	.51	.52	.49	- 3	8	1	2	9	- 5	66	55	42	nw 22	0	w 10	487
18	.51	.54	.59	.55	4	6	0	3	7	- 2	48	100	100	sw 12	sw 8	w 20	200
19	.60	.62	.61	.61	- 3	3	8	3	8	- 8	66	46	55	w 10	n 12	nw 16	288
20	.58	.55	.50	.54	7	13	7	9	14	5	54	44	100	nw 16	sw 10	sw 14	342
21	.45	.47	.52	.48	1	4	3	3	8	- 1	71	74	73	w 16	0	sw 10	325
22	.49	.50	.51	.50	1	5	0	2	5	- 1	100	50	70	w 6	sw 2	w 10	164
23	.49	.44	.38	.44	4	8	- 1	4	9	- 4	48	55	68	nw 18	w 42	w 18	425
24	.39	.53	.59	.50	- 2	3	4	2	5	- 4	100	46	48	nw 52	n 28	w 42	878
25	.59	.60	.60	.60	7	10	5	7	14	3	54	100	75	nw 40	nw 12	nw 45	875
26	.61	.71	.69	.67	7	11	13	10	14	3	54	60	62	n 44	n 18	w 56	799
27	.60	.51	.39	.50	10	13	6	10	14	5	58	62	52	nw 44	w 50	sw 38	986
28	.28	.23	.25	.25	5	5	- 4	2	6	- 5	100	100	100	w 25	w 14	nw 9	737
29	.27	.39	.40	.35	- 5	- 2	- 1	- 3	1	- 7	100	67	68	w 18	nw 12	nw 4	282
30	.40	.42	.52	.45	- 4	- 8	-10	- 7	- 1	-14	100	58	54	nw 4	ne 12	nw 18	149
31	.57	.51	.47	.52	- 3	5	5	2	9	-10	66	50	100	nw 14	ne 20	nw 30	396
Means	.54	.55	.56	.55	5.4	8.9	6.2	6.9	11.6	0.7	62	60	64	30	22	27	19942

REMARKS.

Dec. 5. Snow, B. 12.10 P.M.; E. D. N.
 15. " B. 12 M.; E. 1.40 P.M.
 16. " B. 9.35 A.M.; E. D. N.
 18. " B. 6.45 A.M.; E. 1.15 P.M.

Dec. 18. Snow, B. 8.20 P.M.; E. D. N.
 20. " { B. 2.45 P.M.; E. 3.30 P.M.
 " { B. 8.20 P.M.; E. D. N.
 22. " B. D. N.; E. 5.20 A.M.

DECEMBER, 1880.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.			
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07	
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07				
1	.	.	.	.	0	CS 2	0	0	0	0	0	Cr	Cr	Cr
2	.	.	.	.	0	0	0	0	0	0	0	Cr	Cr	Cr
3	.	.	.	.	0	0	CS 3	0	0	0	0	Cr	Cr	Cr
4	.	.	.	.	0	Hidden	0	0	D. Fog	s 5	0	Cr	Fy	F
5	.	.04	.08	.12	0	Hidden	Hidden	s 5 w	N 10 w	N 10 NW	0	F	HS	LS
6	.02	.	.	.02	CS 5 NW	CK 5 W	c 3	0	0	0	0	F	F	Cr
7	.	.	.	.	0	CK 10 NW	CK 3	0	0	0	0	Cr	Cy	Cr
8	.	.	.	.	CS 2	0	CK 10 N	0	0	0	0	Cr	Cr	Cy
9	.	.	.	.	0	CK 2	0	0	0	0	0	Cr	Cr	Cr
10	.	.	.	.	0	0	c 3	0	0	0	0	Cr	Cr	Cr
11	.	.	.	.	0	CK 2 NW	0	s 8 N	0	0	0	Cy	Cr	Cr
12	.	.	.	.	CS 3	CK 7 NW	0	0	0	0	0	Cr	F	Cr
13	.	.	.	.	CS 3	CK 2	CK 3	0	0	0	0	Cr	Cr	Cr
14	.	.	.	.	CS 7 W	CK 7 W	CK 10 W	0	0	0	0	F	F	Cy
15	.	.03	.01	.04	CS 10 W	Hidden	K 8 SW	0	N 10 s	0	0	Cy	LS	Cy
16	.	.21	.18	.39	0	Hidden	Hidden	CS 8 SW	N 10 W	N 10 N	0	Cy	HS	LS
17	.03	.	.	.03	CS 3	CK 7	CS 7	0	0	0	0	Cr	F	F
18	.	.05	.03	.08	0	Hidden	Hidden	s 5 SW	N 10 SW	N 10 W	0	F	LS	LS
19	.02	.	.	.02	0	CK 3	CS 2	0	0	0	0	Cr	Cr	Cr
20	.	.	.02	.02	CK 10 NW	CK 2	Hidden	0	0	N 10 SW	0	Cy	Cr	LS
21	T	.	.	T	0	Hidden	Hidden	s 5 W	KS 10	D. Fog	0	F	Cy	Fy
22	.07	T	.	.07	Hidden	CK 5 SW	0	N 10	0	KS 5	0	LS	F	F
23	.	.	.	.	0	CS 10 W	0	0	0	s 5 W	0	Cr	Cy	F
24	.08	.02	.	.10	Hidden	CK 2 NW	CS 3	N 10 NW	0	0	0	LS	Cr	Cr
25	.	T	.11	.11	CS 5	Hidden	CS 2	0	N 10 NW	0	0	F	LS	Cr
26	.	.	.	.	CS 5	0	CS 5	0	0	0	0	F	Cr	F
27	.	.	.	.	CS 5 W	CK 7 W	0	0	0	0	0	F	F	Cr
28	.07	.04	.34	.45	Hidden	Hidden	Hidden	N 10 W	N 10 W	N 10 NW	0	LS	LS	LS
29	.05	.	.	.05	Hidden	Hidden	0	Fog	D. Fog	s 5 NW	0	Fy	Fy	F
30	.09	.04	.	.13	Hidden	0	0	N 10	s 5 s	0	0	LS	F	Cr
31	.	.	.06	.06	0	0	Hidden	0	0	N 10	0	Cr	Cr	LS
Total	.43	.43	.83	1.69										

REMARKS.

Dec. 24. Snow, B. D. N. ; E. 6.20 A.M.

25. " B. 12.40 P.M. ; E. 7.40 P.M.

27. " B. D. N. ; E. D. N. of 28th.

Dec. 30. Snow, B. D. N. ; E. 8.40 A.M.

31. " B. 7.50 P.M. ; E. D. N.

JANUARY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						24 Hours.
	Direction and Velocity in Miles per Hour.			Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07				
	A.M. 5.07	P.M. 1.07	P.M. 9.07														A.M. 5.07	P.M. 1.07	P.M. 9.07	
1	.39	.34	.39	.37	1	4	-5	0	6	-5	71	74	100	NW 24	N 2	NW 17	489			
2	.44	.43	.42	.43	-7	5	-3	-2	7	-12	100	75	66	0	SW 6	NW 8	121			
3	.42	.46	.47	.45	-12	-5	-5	-7	-1	-14	50	63	63	NW 14	NE 28	SW 28	313			
4	.50	.50	.38	.49	0	10	7	6	12	-10	70	58	77	SW 24	NE 5	NW 20	590			
5	.23	.21	.26	.23	-5	-13	-16	-11	7	-16	100	74	100	NW 28	NW 18	NW 12	600			
6	.30	.23	.26	.26	-17	-10	-8	-12	-8	-18	69	54	58	0	N 6	W 6	179			
7	.26	.25	.27	.26	-15	-13	-8	-12	-8	-19	71	74	58	NW 6	W 4	SW 7	143			
8	.21	.11	.11	.14	-16	-8	-20	-15	-8	-20	70	79	64	SW 12	S 8	SW 12	198			
9	.17	.17	.28	.21	-30	-12	-4	-15	-4	-32	40	50	65	N 16	NE 28	NE 44	334			
10	.32	.31	.32	.32	-14	-6	-7	-9	-4	-16	45	82	80	N 32	NW 28	NW 56	876			
11	.42	.48	.57	.49	-9	8	9	3	10	-9	78	78	78	W 52	W 48	W 52	1188			
12	.58	.49	.39	.49	10	16	12	13	16	0	58	66	80	W 44	W 44	W 30	1110			
13	.31	.35	.44	.37	8	10	5	8	12	5	78	79	100	S 8	S 8	S 8	628			
14	.38	.31	.33	.34	7	16	11	11	16	5	77	66	80	NW 6	NW 8	W 7	166			
15	.35	.34	.33	.34	6	12	10	9	12	6	76	80	100	NW 4	NW 14	W 10	125			
16	.40	.44	.45	.43	13	9	5	9	13	5	62	89	87	N 8	SW 14	SW 12	294			
17	.48	.54	.64	.55	4	11	0	5	13	0	74	60	39	0	SE 7	N 20	159			
18	.70	.78	.81	.76	0	1	7	3	7	-1	39	42	54	N 12	NE 25	NE 30	323			
19	.80	.73	.71	.75	10	14	11	12	14	5	58	46	80	NE 26	NE 14	NE 12	614			
20	.56	.49	.48	.51	5	-11	-20	-9	11	-20	75	76	100	SW 9	N 10	NE 25	334			
21	.37	.40	.41	.39	-20	-20	-23	-21	-19	-23	100	100	59	NE 30	NE 32	E 28	551			
22	.37	.36	.39	.37	-20	-18	-19	-19	-18	-25	64	67	66	N 40	N 24	SW 22	715			
23	.40	.39	.36	.38	-11	-6	-9	-9	-6	-19	76	61	78	W 40	N 12	N 16	623			
24	.33	.31	.31	.32	-10	0	-9	-6	0	-12	54	85	78	N 18	SW 12	SW 14	421			
25	.34	.36	.46	.39	-9	0	-5	-5	2	-14	56	70	63	SW 22	SW 16	SW 30	399			
26	.50	.60	.67	.59	-5	3	2	0	5	-9	63	42	44	SW 36	SW 48	SW 42	738			
27	.70	.76	.71	.72	2	9	5	5	10	0	44	57	50	W 38	SW 20	SW 46	1023			
28	.72	.69	.60	.67	4	14	15	11	16	4	48	64	65	W 40	W 52	SW 76	937			
29	.60	.63	.69	.64	12	18	17	16	21	10	61	53	67	W 70	W 58	W 50	1521			
30	.68	.61	.62	.64	15	21	18	18	22	13	65	86	68	W 46	SW 54	SW 28	1164			
31	.60	.58	.73	.64	12	14	10	12	18	10	100	82	58	NW 24	NW 32	N 9	713			
Means	.45	.44	.46	.45	-2.9	2.4	-0.5	-0.4	5.6	-7.5	67	69	72	24	22	25	17589			

REMARKS.

Jan. 1. Snow, B. 1.00 P.M.; E. 7.50 A.M. of 2d.
 5. " { B. D. N.; E. 9.45 A.M.
 { B. 8.10 P.M.; E. D. N.

Jan. 13. Snow, { B. D. N.; E. D. N.
 { B. 3.10 P.M.; E. D. N.
 15. " { B. 4.10 P.M.; E. D. N.

JANUARY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.08	.28	.36	0	Hidden	Hidden	0	s 10 N	N 10	Cr	Cy	LS	
2	.16	.03	.19	Hidden	Hidden	0	N 10	s 10 SW	s 8 NW	LS	Cy	Cy	
3	.	.	.	0	0	0	0	0	s 5 SW	Cr	Cr	F	
4	.	.	.	Hidden	K 5 N	0	s 10 SW	0	s 5 N	Cy	F	F	
5	.17	.09	.29	Hidden	Hidden	Hidden	N 10	s 10 N	N 10	LS	Cy	LS	
6	.05	.	.05	0	0	Hidden	0	0	s 10 W	Cr	Cr	Cy	
7	.	.	.	0	0	0	s 5 NW	KS 3	0	F	Cr	Cr	
8	.	.	.	0	Hidden	0	0	D. Fog	0	Cr	Fy	Cr	
9	.	.	.	0	cs 2	cs 5	0	0	0	Cr	Cr	F	
10	.	.	.	0	cs 7	Hidden	0	0	Fog	Cr	F	Fy	
11	.	.	.	cs 10	cs 10	cs 5	0	0	0	Cy	Cy	F	
12	.	.	.	cs 3	cs 10	Hidden	0	0	Fog	Cr	Cy	Fy	
13	.08	.17	.25	Hidden	Hidden	Hidden	D. Fog	Fog	N 10 s	Fy	Fy	LS	
14	.07	.	.07	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy	
15	.	.06	.06	0	Hidden	Hidden	s 8 W	s 10 W	N 10	Cy	Cy	LS	
16	.05	.	.05	cs 2	Hidden	Hidden	0	s 10	D. Fog	Cr	Cy	Fy	
17	.	.02	.02	Hidden	0	cs 2	Fog	s 5 s	0	Fy	F	Cr	
18	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr	
19	.	.	.	0	cs 2	0	0	0	s 3	Cr	Cr	Cr	
20	.	.10	.10	Hidden	Hidden	Hidden	D. Fog	D. Fog	N 10 NE	Fy	Fy	LS	
21	.46	.19	.23	.88	Hidden	Hidden	Hidden	N 10 NE	N 10 NE	D. Fog	LS	LS	Fy
22	.	.	.	0	0	0	0	s 3 N	0	Cr	Cr	Cr	
23	.	.	.	Hidden	0	0	D. Fog	s 5 N	s 8	Fy	F	Cy	
24	.	.17	.17	0	Hidden	0	s 3	Fog	0	Cr	Fy	Cr	
25	.	.	.	Hidden	Hidden	Hidden	Fog	Fog	Fog	Fy	Fy	Fy	
26	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr	
27	.	.	.	cs 2	cs 10	cs 2	0	0	0	Cr	Cy	Cr	
28	.	.	.	cs 3	c 5 W	0	0	0	0	Cr	F	Cr	
29	.	.	.	0	c 5 W	0	s 5 W	0	0	F	F	Cr	
30	.	.	.	0	Hidden	0	s 7 W	Fog	s 5 SW	F	Fy	F	
31	.07	.02	.09	Hidden	Hidden	0	N 10	Fog	0	LS	Fy	Cr	
Total	1.19	.33	1.06	2.58									

REMARKS.

Jan. 17. Snow, B. 3.15 P.M.; E. 5.10 P.M.
20. " B. 6.10 P.M.; E. 7.20 P.M. of 21st.

Jan. 24. Snow, B. 3.10 P.M.; E. 7.30 P.M.
31. " B. D. N; E. 8.45 A.M.

FEBRUARY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			Movement. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.07	P.M. 1.07	P.M. 9.07	
1	.74	.80	.82	.79	12	20	23	18	23	7	61	70	60	NW 20	NW 42	NW 44	480
2	.80	.82	.86	.83	17	23	22	21	25	16	67	60	45	NW 54	N 26	S 2	1039
3	.88	.80	.72	.80	17	26	23	22	26	14	67	52	60	NW 30	NW 14	W 36	324
4	.59	.48	.36	.48	18	22	15	18	23	12	68	72	100	W 56	SW 40	SW 30	928
5	.31	.26	.29	.29	12	9	4	8	15	4	80	78	100	W 4	NW 10	W 12	434
6	.25	.30	.32	.29	- 8	- 2	- 3	- 4	4	-10	100	100	66	NW 8	NW 6	NW 36	298
7	.35	.38	.41	.38	- 5	0	3	- 1	4	- 8	63	39	73	NW 6	NW 6	N 12	224
8	.40	.34	.35	.36	- 4	2	- 2	- 1	3	- 6	63	44	67	NE 34	SW 16	SW 10	491
9	.33	.25	.19	.26	- 3	5	-10	- 3	7	-10	32	75	100	SW 10	SW 16	SW 28	307
10	.17	.17	.24	.19	- 9	- 2	- 7	- 6	0	-14	78	67	59	SW 12	S 14	S 4	445
11	.26	.30	.32	.29	-16	-10	-21	-16	- 7	-21	39	54	63	NE 14	E 16	NW 44	313
12	.38	.51	.59	.49	-18	-10	0	- 9	0	-25	67	54	39	SW 48	NW 40	W 36	994
13	.54	.52	.38	.48	5	10	8	8	10	0	37	79	78	NW 40	SW 22	S 20	951
14	.22	.23	.25	.23	0	5	-13	- 3	8	-13	100	75	47	NW 6	S 10	W 14	353
15	.24	.36	.49	.36	-15	- 5	2	- 6	2	-18	42	63	44	SW 40	W 56	W 50	636
16	.49	.53	.48	.50	1	11	3	5	12	- 1	42	60	73	SW 52	SW 44	SW 52	1270
17	.42	.47	.46	.45	3	8	2	4	12	2	73	55	100	W 14	SW 2	SW 6	757
18	.46	.49	.58	.51	- 5	- 1	1	- 2	3	- 6	63	84	42	W 6	W 6	NE 24	160
19	.57	.52	.50	.53	0	6	- 2	1	9	- 2	39	52	35	W 40	W 46	W 32	636
20	.52	.68	.68	.63	-15	6	2	- 2	9	-15	42	52	44	W 52	W 50	W 54	909
21	.67	.71	.78	.72	2	6	9	6	9	0	44	52	57	W 44	W 36	W 44	1141
22	.80	.88	.87	.85	4	13	15	11	17	4	48	62	48	W 22	NW 24	NW 44	699
23	.89	.84	.78	.84	12	18	13	14	19	11	42	37	62	W 24	W 18	W 26	730
24	.73	.77	.71	.74	14	16	11	14	19	11	46	33	60	NW 36	NW 8	NW 26	678
25	.59	.50	.42	.50	10	15	7	11	18	7	58	48	54	NW 28	W 34	W 28	518
26	.34	.41	.48	.41	0	8	5	4	11	- 2	70	55	100	W 24	SW 30	SW 24	826
27	.48	.51	.63	.54	- 5	8	10	4	12	- 9	63	55	79	SW 48	NW 42	NW 30	781
28	.67	.75	.73	.71	12	22	17	17	24	7	61	72	67	NW 22	NW 42	NW 42	787
Means	.50	.52	.52	.52	0.9	8.2	4.9	4.8	11.3	-2.3	59	61	65	28	26	29	18109

REMARKS.

Feb. 4. Snow, B. 7.10 P.M.; E. D.N.
5. " B. 1.45 P.M.; E. 7.35 P.M. of 6th.

Feb. 9. Snow, B. 6.15 P.M.; E. D. N.
14. " B. D. N.; E. 8.35 A.M.

FEBRUARY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.	.	.	.	0	CS 5 NW	0	KS 5 NW	0	0	F	F	Cr
2	.	.	.	.	CS 5 NW	K 8 N	0	0	0	0	F	Cy	Cr
3	.	.	.	.	0	c 10 NW	c 5 W	s 5 N	0	0	F	Cy	F
4	.	.	.06	.06	0	cs 10 SW	Hidden	s 2 SW	0	N 10	Cr	Cy	LS
5	.17	.	.27	.44	Hidden	Hidden	Hidden	s 10	s 10 N	N 10	Cy	Cy	LS
6	.14	.08	.19	.41	Hidden	Hidden	Hidden	N 10	N 10	s 10 NW	LS	LS	Cy
7	.	.	.	.	0	0	CS 5 N	0	0	0	Cr	Cr	F
8	.	.	.	.	c 3 N	K 5 SW	K 5 SW	s 3	0	0	F	F	F
9	.	.	.09	.09	0	Hidden	Hidden	0	s 10	N 10	Cr	Cy	LS
10	.08	.	.	.08	Hidden	Hidden	cs 2	Fog	Fog	0	Fy	Fy	Cr
11	.	.	.	.	0	0	0	s 5	s 3 NW	s 3 NW	F	Cr	Cr
12	.	.	.	.	0	0	0	s 5 SW	KS 3 W	0	F	Cr	Cr
13	.	.	.	.	cs 5	Hidden	Hidden	0	Fog	Fog	F	Fy	Fy
14	.10	.09	.	.19	Hidden	Hidden	0	N 10 NW	D. Fog	s 3 W	LS	Fy	Cr
15	.	.	.	.	0	cs 3	cs 3	0	0	0	Cr	Cr	Cr
16	.	.	.	.	cs 3	cs 7	cs 3	0	0	0	Cr	F	Cr
17	.	.	.08	.08	0	cs 7	Hidden	s 5 W	0	N 10	F	F	LS
18	.06	.	.	.06	0	0	0	0	KS 3 W	0	Cr	Cr	Cr
19	.	.	.	.	cs 3	cs 2	0	0	0	0	Cr	Cr	Cr
20	.	.	.	.	0	cs 5	cs 2	0	0	0	Cr	F	Cr
21	.	.	.	.	0	cs 3	cs 10	0	0	0	Cr	Cr	Cy
22	.	.	.	.	0	cs 10	cs 3	0	0	0	Cr	Cy	Cr
23	.	.	.	.	0	c 5	0	0	0	0	Cr	F	Cr
24	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
25	.	.	.	.	0	cs 7	0	0	0	0	Cr	F	Cr
26	.	.	.02	.02	cs 3	0	Hidden	0	0	N 10	Cr	Cr	LS
27	.04	.	.	.04	0	K 5 NW	Hidden	s 5 W	0	s 10 NW	F	F	Cy
28	.	.	.	.	0	Hidden	0	s 5 NW	s 10 NW	s 2.	F	Cy	Cr
Total	.59	.17	.71	1.47									

REMARKS.

Feb. 17. Snow, B. 7.10 P.M.; E. D. N.

Feb. 26. Snow, B. 8.30 P.M.; E. D. N.

MARCH, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.07	P.M. 1.07	P.M. 9.07	
1	.72	.67	.59	.66	12	23	17	17	25	10	61	60	67	NW 52	NW 44	NW 46	997
2	.49	.53	.65	.56	- 5	- 2	- 7	- 5	17	- 8	63	67	59	NW 32	NE 40	NE 44	834
3	.71	.76	.73	.73	5	12	6	8	12	- 7	50	61	52	NE 42	NW 30	NW 34	817
4	.76	.70	.58	.68	8	18	13	13	20	4	55	53	62	NW 38	NW 26	W 34	777
5	.58	.44	.43	.48	8	15	10	11	16	5	55	82	100	NW 28	SW 10	W 14	597
6	.45	.33	.40	.39	4	- 7	-10	- 4	10	-10	100	100	100	SW 16	SW 40	NE 24	440
7	.44	.52	.61	.52	- 8	2	8	1	8	-10	58	44	55	NW 20	NE 14	NE 42	550
8	.65	.69	.65	.66	10	18	8	12	20	8	58	53	55	W 20	W 12	W 20	572
9	.56	.44	.32	.44	5	15	8	9	16	5	50	82	78	SW 32	SW 28	W 22	566
10	.27	.17	.14	.19	0	7	- 8	0	8	- 8	70	100	100	SW 14	SW 9	SW 25	421
11	.14	.19	.29	.21	- 8	0	- 3	- 4	1	-10	58	70	66	NE 40	N 44	N 32	633
12	.23	.30	.33	.29	- 8	2	- 3	- 3	5	- 9	58	72	66	N 26	W 14	W 18	643
13	.29	.23	.24	.27	- 5	5	- 2	- 1	5	- 7	63	75	100	SW 10	S 25	E 26	349
14	.16	.15	.32	.21	-13	- 7	- 7	- 9	- 2	-15	100	100	59	NW 6	W 48	SW 26	595
15	.23	.13	.28	.21	- 7	- 2	- 5	- 5	0	- 9	100	100	63	SW 48	SW 50	SW 44	886
16	.35	.38	.41	.38	-10	2	- 5	- 4	5	-12	54	72	63	SW 25	SW 13	SW 9	721
17	.43	.40	.43	.42	- 7	0	- 7	- 5	0	- 9	59	100	59	SW 10	0	NE 9	242
18	.43	.39	.43	.42	-13	- 5	- 3	- 7	- 1	-15	47	63	66	NE 22	NE 38	NE 32	279
19	.41	.47	.50	.46	- 7	0	- 5	- 4	2	- 8	59	85	63	NE 36	NE 12	NE 25	791
20	.49	.44	.45	.46	- 8	2	0	- 2	2	-11	58	72	85	NE 38	NW 26	NE 52	630
21	.51	.64	.63	.59	0	8	4	4	10	- 1	70	78	48	NE 48	N 12	N 44	908
22	.66	.73	.74	.71	1	10	9	7	13	0	42	38	57	NE 30	N 16	W 16	736
23	.74	.75	.73	.74	8	17	10	12	18	6	33	51	38	NW 16	W 9	W 16	338
24	.70	.72	.72	.71	7	16	12	12	20	6	54	49	42	N 22	N 6	SW 32	369
25	.78	.82	.88	.83	9	17	13	13	20	9	57	51	44	NW 30	NW 24	NW 22	587
26	.92	.92	.84	.89	13	22	17	17	25	11	44	32	51	NW 40	NW 18	NW 32	613
27	.81	.78	.71	.77	17	26	14	19	26	14	35	40	64	SW 36	SW 12	SW 20	581
28	.70	.72	.76	.73	2	8	2	4	14	0	72	78	44	N 16	N 12	N 34	422
29	.81	.84	.86	.84	2	15	12	10	18	0	44	48	42	NE 38	NE 24	N 20	660
30	.80	.86	.85	.84	10	17	15	14	20	8	38	67	65	NE 36	NE 22	W 20	627
31	.84	.84	.80	.83	11	22	13	15	23	10	60	86	100	NE 25	NW 2	NW 16	439
Means	.55	.55	.56	.55	1.1	8.9	3.7	4.7	12.1	-1.7	59	69	65	29	22	27	18620

REMARKS.

March 5. Snow, B. 1.25 P.M.; E. D. N. of 6th.
10. " B. 12.10 P.M.; E. D. N.

March 13. Snow, B. 3.20 P.M.; E. 3.10 P.M. of 14th.
15. " B. D. N.; E. 6.35 P.M.

MARCH, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	0	C 3 N	0	S 3 NW	0	0	Cr	Cr	Cr
2	0	Hidden	0	S 5 W	S 10 N	0	F	Cy	Cr
3	0	0	0	0	0	0	Cr	Cr	Cr
4	0	0	0	0	0	KS 5 SW	Cr	Cr	F
5	.	.	.18	.18	0	Hidden	Hidden	S 5 N	S 10 SW	N 10	F	Cy	LS
6	.31	.19	.28	.78	Hidden	Hidden	Hidden	N 10	N 10	N 10	HS	LS	LS
7	.16	.	.	.16	0	0	0	S 5 NW	0	0	F	Cr	Cr
8	0	0	CS 5	0	0	0	Cr	Cr	F
9	CS 3	Hidden	Hidden	0	KS 10 S	S 10 W	Cr	Cy	Cy
10	.	.06	.20	.26	Hidden	Hidden	Hidden	S 10	N 10 SW	N 10 SW	Cy	LS	HS
11	.15	.	.	.15	CS 3	CS 7	CS 3	0	0	0	Cr	F	Cr
12	0	Hidden	0	0	S 10 W	S 3 SW	Cr	Cy	Cr
13	.	.	.36	.36	Hidden	Hidden	Hidden	Fog	S 10 S	N 10	Fy	Cy	LS
14	.48	.36	.13	.97	Hidden	Hidden	CS 10 W	N 10 NW	N 10 W	0	HS	LS	Cy
15	.12	.34	.29	.75	Hidden	Hidden	0	N 10 SW	N 10 SW	S 5 SW	HS	HS	F
16	0	CK 10	CK 5	0	0	0	Cr	Cy	F
17	.	.09	.06	.15	0	Hidden	0	0	N 10	0	Cr	LS	Cr
18	0	0	Hidden	0	S 5 NE	S 10 NE	Cr	F	Cy
19	.	.	.12	.12	Hidden	Hidden	0	S 10 NE	Fog	S 5 NE	Cy	Fy	F
20	0	CK 3	Hidden	S 3 NE	S 7 NW	S 10 NE	Cr	Cy	Cy
21	CS 5	0	0	0	KS 8 NW	0	F	Cy	Cr
22	0	0	0	0	0	0	Cr	Cr	Cr
23	0	0	0	0	0	0	Cr	Cr	Cr
24	0	K 3 W	CS 3	0	0	0	Cr	Cr	Cr
25	0	CK 3 NW	CS 2	0	0	0	Cr	Cr	Cr
26	CS 10	CS 10	0	0	0	0	Cy	Cy	Cr
27	CS 5	CK 7 NW	CS 5	0	0	0	F	F	F
28	.	.13	.	.13	Hidden	CK 5 NW	0	S 10	0	0	Cy	F	Cr
29	0	C 5	0	0	0	0	Cr	F	Cr
30	0	CK 3 NW	0	0	0	0	Cr	Cr	Cr
31	.	.	.43	.43	C 3	Hidden	Hidden	S 3 NE	S 10	N 10	F	Cy	LS
Total	1.22	1.17	2.05	4.44									

REMARKS.

March 17. Snow, B. 11.10 A.M.; E. 2.30 P.M.
19. " B. 3.00 P.M.; E. 6.40 P.M.

March 28. Snow, B. 7.30 A.M.; E. 10.30 A.M.
31. " B. 1.25 P.M.; E. 9.30 P.M.

APRIL, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07	
1	.81	.79	.77	.79	9	19	16	15	22	9	57	69	66	NE 22	NW 2	NW 20	242
2	.72	.74	.73	.73	10	20	17	16	22	10	58	56	100	W 40	SW 14	NW 12	676
3	.74	.78	.76	.76	10	18	12	13	20	10	58	53	61	NW 12	NW 14	NW 12	471
4	.78	.78	.76	.77	12	20	18	17	24	12	61	56	53	NW 38	N 10	NW 24	526
5	.75	.68	.64	.69	14	25	18	19	30	12	64	62	68	NW 38	W 13	NW 6	584
6	.59	.42	.36	.46	15	14	10	13	18	10	65	100	100	NW 28	NW 28	NW 22	362
7	.35	.41	.47	.41	4	8	6	6	13	2	100	100	100	NW 30	W 22	NW 14	616
8	.54	.59	.67	.60	0	9	12	7	12	- 3	100	100	100	SW 16	W 8	SW 12	362
9	.70	.70	.66	.69	13	18	15	15	23	12	81	84	100	SW 14	SW 26	SW 28	354
10	.66	.67	.59	.64	12	20	15	16	22	9	61	70	100	SW 20	SW 30	SW 24	590
11	.56	.47	.49	.51	10	17	13	13	22	7	100	100	100	SW 12	SW 24	SW 12	416
12	.53	.47	.53	.51	9	17	12	13	20	6	100	100	100	SW 2	W 2	SW 2	310
13	.64	.74	.73	.70	6	12	7	8	16	3	76	61	77	NW 30	NW 14	NW 62	257
14	.72	.73	.75	.73	9	20	12	14	24	7	57	56	61	SW 54	SW 6	SW 38	951
15	.78	.86	.85	.83	12	25	22	20	34	8	61	38	72	NW 42	N 8	NW 8	528
16	.87	.81	.74	.81	22	33	24	26	37	20	58	70	61	SW 24	SW 8	SW 20	446
17	.72	.67	.70	.70	18	21	18	19	24	15	68	86	68	NE 12	NE 18	NE 6	356
18	.77	.82	.86	.82	15	24	23	21	32	12	65	61	60	SW 8	SW 6	SW 16	220
19	.84	.83	.79	.83	23	35	23	27	37	18	60	53	60	SW 32	NW 2	NW 16	453
20	.78	.72	.74	.75	19	16	15	17	23	12	100	100	100	N 1	NE 14	NW 16	269
21	.80	.90	.90	.87	13	22	13	16	25	9	100	72	44	NW 8	E 6	W 3	241
22	.90	.82	.82	.85	12	25	23	20	30	7	61	50	60	NW 22	NW 10	W 20	284
23	.84	.83	.82	.83	23	35	25	28	38	19	60	53	50	W 6	SW 8	W 20	331
24	.81	.77	.81	.80	20	26	18	21	30	18	56	63	53	W 8	NE 8	W 24	235
25	.82	.86	.83	.84	15	27	18	20	30	12	48	53	53	SW 16	SW 18	SW 24	512
26	.85	.88	.85	.86	12	25	23	20	32	10	61	50	60	W 42	W 6	W 28	694
27	.84	.90	.88	.87	21	30	25	25	35	19	57	47	62	W 24	W 24	NW 36	590
28	.91	.92	.89	.91	23	33	24	27	36	18	60	51	74	NW 44	SW 18	NW 18	723
29	.88	.85	.88	.87	20	27	25	24	30	18	56	64	62	NW 30	NW 16	W 16	459
30	.93	.93	.88	.91	24	35	28	29	37	22	74	70	66	W 22	W 8	W 20	445
Means	.75	.74	.74	.74	14.2	22.5	17.7	18.2	26.6	11.4	69	68	73	23	13	19	13503

REMARKS.

April 2. Snow, B. 7.50 P.M.; E. D. N.
 6. " B. 9.00 A.M.; E. 4.40 P.M. of 7th.
 7. " B. 7.10 P.M.; E. D. N. of 8th.

April 9. Snow, B. 6.35 P.M.; E. D. N.
 10. " B. 6.10 P.M.; E. 1.30 P.M. of 11th.
 11. " B. 4.50 P.M., E. D. N. of 12th.

METEOROLOGICAL OBSERVATIONS.

APRIL, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.			
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07	
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07				
1	.04	.	.	.04	0	CK 2	0	0	0	0	0	Cr	Cr	Cr
2	.	.	.05	.05	0	K 5 SW	Hidden	0	0	N 10		Cr	F	LS
3	.12	.	.	.12	K 5 NW	K 5 NW	0	0	0	S 2		F	F	Cr
4	.	.	.	.	K 5 W	K 5 NW	0	S 2	0	0		F	F	Cr
5	.	.	.	.	K 5 NW	K 8 W	Hidden	0	0	S 10		F	Cy	Cy
6	.	.22	.29	.51	0	Hidden	Hidden	S 8 W	N 10	N 10		Cy	HS	HS
7	.14	.09	.11	.34	Hidden	Hidden	Hidden	N 10	N 10	N 10		LS	LS	LS
8	.17	.12	.29	.58	Hidden	Hidden	Hidden	N 10	N 10	N 10		LS	LS	LS
9	.09	.	.14	.23	Hidden	Hidden	Hidden	S 10	S 10 SW	N 10		Cy	Cy	LS
10	.22	.	.27	.49	K 5 SW	K 8 SW	Hidden	0	0	N 10		F	Cy	LS
11	.19	.08	.12	.39	Hidden	Hidden	Hidden	N 10	N 10	N 10		LS	LS	LS
12	.08	.14	.17	.39	Hidden	Hidden	Hidden	N 10	N 10	N 10		LS	LS	LS
13	.04	.	.	.04	0	0	C 5 W	S 5 N	0	0		F	Cr	F
14	.	.	.	.	K 3 SW	K 5 SW	C 5 SW	S 2	0	0		F	F	F
15	.	.	.	.	C 3 W	C 2 N	C 5 N	KS 2	0	0		F	Cr	Cr
16	.	.	.	.	0	K 10 SW	C 3 SW	0	0	S 5		Cr	Cy	Cy
17	.	.	.06	.06	0	Hidden	C 5 NE	KS 5 N	D. Fog	KS 2		F	Fy	F
18	.	.	.	.	C 3 W	K 10 SW	0	S 3	0	0		F	Cy	Cr
19	.	.	.	.	0	K 5 N	0	0	0	S 5 NW		Cr	F	F
20	.	.26	.63	.89	Hidden	Hidden	Hidden	D. Fog	N 10 NE	N 10		Fy	LS	HS
21	.21	.12	.	.33	Hidden	K 5 SE	0	N 10	0	0		LS	F	Cr
22	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
23	.	.	.	.	0	K 5 SW	0	0	0	0		Cr	F	Cr
24	.	.	.	.	0	K 3 N	0	0	0	0		Cr	F	Cr
25	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
26	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
27	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
28	.	.	.	.	0	K 5 SW	Hidden	0	0	S 10 NW		Cr	F	Cy
29	.	.07	.	.07	0	K 5 N	0	0	KS 3	S 2		Cr	Cy	Cr
30	.	.	.11	.11	0	K 10 W	0	0	0	0		Cr	Cy	Cr
Total	1.30	1.10	2.24	4.64										

REMARKS.

April 17. Hail, B. 1.30 P.M.; E. 2.17 P.M.

20. Snow, B. 9.50 A.M.; E. 11.10 A.M. of 21st.

April 29. Hail, B. 9.30 A.M.; E. 10.10 A.M.

30. " B. 4.30 P.M.; E. 5.15 P.M.

MAY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07	
	1	.89	.90	.89	.89	25	32	24	27	34	21	62	79	100	NE 12	NE 8		NW 10	297
2	.90	.88	.86	.88	21	30	23	25	34	20	100	100	60	NW 10	NW 8	SW 5	218
3	.84	.84	.82	.83	22	30	23	25	33	19	72	100	60	NE 10	NE 6	N 8	184
4	.87	.87	.91	.88	20	24	22	22	29	18	70	100	72	NE 9	N 10	N 18	176
5	.91	.89	.86	.89	23	34	25	27	34	22	60	70	62	0	s 10	s 10	185
6	.81	.74	.73	.76	25	32	25	27	34	24	62	89	100	SW 10	SW 14	SW 20	292
7	.74	.73	.76	.74	20	22	19	20	25	19	85	100	54	N 10	N 3	N 12	302
8	.78	.77	.70	.75	22	32	23	26	34	17	58	69	100	W 5	SW 18	SW 38	239
9	.69	.64	.66	.66	22	26	22	23	26	20	58	100	58	SW 28	SW 40	SW 36	687
10	.66	.68	.65	.66	23	28	23	25	30	20	47	77	86	SW 42	s 36	SW 48	826
11	.67	.75	.88	.77	13	24	19	19	25	10	44	48	39	SW 48	SW 34	SW 16	810
12	.91	.92	.92	.92	15	27	21	21	29	10	48	76	71	s 16	SW 22	SW 12	560
13	.94	.98	1.02	.98	17	30	26	24	30	15	51	68	63	SW 30	SW 24	NW 18	490
14	1.03	1.04	.99	1.02	23	34	28	28	36	20	47	52	54	0	SW 18	SW 8	310
15	.95	.91	.87	.91	27	35	29	30	35	21	64	61	89	SW 12	0	SW 12	314
16	.82	.84	.86	.84	25	35	28	29	37	23	50	45	54	SW 26	SW 16	SW 20	390
17	.80	.82	.80	.81	25	32	24	27	32	22	38	89	100	SW 34	SW 28	SE 14	642
18	.75	.76	.83	.78	15	23	13	17	24	13	82	86	81	0	0	s 3	277
19	.82	.84	.87	.84	6	15	12	10	15	5	100	82	100	NW 8	NE 20	NE 12	83
20	.84	.84	.83	.84	8	20	17	15	21	6	33	27	19	NE 8	NE 12	NE 8	318
21	.79	.79	.78	.79	18	28	26	24	30	15	7	88	28	NE 12	NW 3	NE 4	228
22	.79	.80	.82	.80	23	36	27	29	36	21	21	45	88	SW 7	SW 8	SW 20	205
23	.81	.85	.88	.85	23	34	28	28	35	23	34	79	22	SW 36	SW 30	SW 26	615
24	.92	.94	.90	.92	26	36	30	31	36	24	28	61	47	SW 18	s 12	SW 12	433
25	.91	.91	.89	.90	26	36	30	31	37	24	28	61	57	SW 8	SW 9	SW 18	264
26	.90	.91	.88	.90	28	37	28	31	38	25	22	53	88	SW 18	SW 18	SW 16	362
27	.86	.88	.87	.87	23	35	23	27	35	22	8	53	100	NE 32	SE 5	NW 14	408
28	.84	.86	.88	.86	22	28	23	24	35	20	45	100	60	NE 26	NE 6	NE 24	373
29	.89	.87	.88	.88	23	34	28	28	35	23	60	61	66	N 20	NE 2	SW 16	348
30	.91	.95	.97	.94	28	34	29	30	37	26	66	61	67	NE 14	NE 6	SW 16	233
31	.99	1.00	1.01	1.00	32	36	33	34	40	28	69	100	51	NE 14	NE 10	NW 12	200
Means	.85	.85	.85	.85	21.6	30.3	24.2	25.3	32.0	19.2	52	74	68	17	14	16	11269

REMARKS.

May 1. { Hail, B. 10.40 A.M.; E. 11.17 A.M.
 " B. 1.20 P.M.; E. 2.45 P.M.
 " B. 5.15 P.M.; E. 4.10 P.M. of 2d.
 3. Snow, B. 12.10 P.M.; E. 4.00 P.M.
 4. " B. 10.20 A.M.; E. 1.30 P.M.
 6. " B. 1.35 P.M.; E. D. N.

May 7. Snow, B. 12.20 P.M.; E. 3.10 P.M.
 8. Hail, B. 6.25 P.M.; E. 9.35 P.M.
 9. " B. 12.10 P.M.; E. 5.30 P.M.
 10. " B. 5.15 P.M.; E. 7.50 P.M.
 12. Snow, B. 3.20 P.M.; E. 8.10 P.M.
 16. Hail, B. 11.10 P.M.; E. D. N.

MAY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds ; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.			Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07			
1	.	.06	.56	.62	K 5 N	Hidden	Hidden	KS 3	KS10 NE	N 10	Cy	Cy	HS
2	.22	.16	.07	.45	Hidden	Hidden	0	N 10	N 10	0	LS	LS	Cr
3	.	.04	.12	.16	0	Hidden	0	KS 8 N	N 10	0	Cy	LS	Cr
4	.	.06	.01	.07	0	Hidden	CK 5 N	0	N 10 N	0	Cr	LS	F
5	.	.	.	.	CS 3	K 2	0	0	KS 5 W	0	Cr	F	Cr
6	.	.	.12	.12	C 2	Hidden	Hidden	0	KS10 W	N 10	Cr	Cy	LS
7	.07	.06	.18	.31	Hidden	Hidden	0	D. Fog	N 10	0	Fy	LS	Cr
8	.	.	.26	.26	C 2	Hidden	Hidden	0	KS10	N 10 SW	Cr	Cy	HH
9	.02	.06	.11	.19	CS 3	Hidden	0	0	N 10 SW	0	Cr	LH	Cr
10	.	.	.09	.09	C 2	Hidden	CS 10	0	KS10 W	0	Cr	Cy	Cy
11	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
12	.	.	.18	.18	Hidden	Hidden	CS 10	S 10 W	Fog	0	Cy	Fy	Cy
13	.	.	.	.	CS 2	CS 7 W	CS 5	0	0	0	Cr	F	F
14	.	.	.	.	0	CS 5	CS 5	0	0	0	Cr	F	F
15	.	.	.	.	CS 5	Hidden	CS 3	0	KS10	0	F	Cy	Cr
16	.03	.	.	.03	CK 3	CS 10	CS 3	0	0	0	Cr	Cy	Cr
17	.	.	.06	.06	0	K 5 W	Hidden	0	0	N 10	Cr	F	Hail
18	.09	.	.	.09	Hidden	Hidden	Hidden	D. Fog	Fog	D. Fog	Fy	Fy	Fy
19	.03	.05	.08	.16	Hidden	Hidden	Hidden	N 10	D. Fog	N 10	LS	Fy	LS
20	.03	.	.	.03	0	CS 3	CS 5	S 5 NE	0	0	F	Cr	F
21	.	.	.	.	CK 3	0	CS 2	0	KS 5	0	Cr	F	Cr
22	.	.	.	.	0	0	Hidden	0	KS 5 W	D. Fog	Cr	F	Cy
23	.02	.	.	.02	0	CS 10	0	0	0	0	Cr	Cy	Cr
24	.	.	T	T	CK 3	0	CS 3	0	CS 10 SW	0	Cr	Cy	Cr
25	.	.	.06	.06	CK 3	Hidden	CS 3	0	KS10 W	0	Cr	Cy	Cr
26	.	.	.09	.09	0	Hidden	Hidden	0	KS10 W	S 10	Cr	Cy	Cy
27	.	.	.13	.13	0	Hidden	Hidden	0	KS10	N 10 W	Cr	Cy	LS
28	.08	.01	.03	.12	CS 2	Hidden	0	0	N 10	KS 5	Cr	LS	F
29	.	.	.14	.14	0	K 8 NE	0	0	0	0	Cr	Cy	Cr
30	.	.	.17	.17	0	K 10 N	0	0	0	S 3 SW	Cr	Cy	F
31	.	.04	.12	.16	0	Hidden	0	0	N 10	KS 5 W	Cr	LS	F
Total	.59	.54	2.58	3.71									

REMARKS.

May 17. Hail and Snow, B. 6.00 P.M.; E. D. N.
 19. Snow, B. D. N. At intervals. E. D. N. of 19th.
 22. " B. 9.25 P.M.; E. D. N.
 24. Hail, B. 4.20 P.M.; E. 4.30 P.M.
 25. " B. 5.10 P.M.; E. 6.15 P.M.
 26. Snow, B. 1.40 P.M. At intervals. E. 8.35 P.M.

May 27. Hail and Snow, B. 2.20 P.M.; E. D. N.
 28. Snow, B. 12.10 P.M.; E. 1.45 P.M.
 29. " B. 4.00 P.M.; E. 7.49 P.M.
 30. " B. 1.40 P.M.; E. 7.54 P.M.
 31. " B. 12.20 P.M. At intervals. E. 8.20 P.M.

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JUNE, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.			Move- ment. 24 Hours.
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Mean.	Max.	Min.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Direction and Velocity in Miles per Hour.			
														A.M. 5.07	P.M. 1.07	P.M. 9.07	
1	1.03	1.05	1.03	1.04	33	40	35	36	40	30	70	56	53	NE 14	NE 10	NE 12	288
2	1.06	1.05	1.06	1.06	37	38	33	36	44	30	31	72	70	NW 10	SE 4	SW 8	155
3	1.07	1.07	1.06	1.07	34	40	35	36	45	30	61	65	53	W 20	SW 24	SW 20	304
4	1.08	1.07	1.00	1.05	35	49	35	40	50	32	53	71	53	W 28	W 9	SW 24	389
5	.98	.88	.82	.89	34	39	33	35	42	30	61	64	61	W 22	W 4	SW 4	376
6	.82	.80	.78	.80	28	38	33	33	38	27	54	63	61	SW 18	SW 30	SW 20	384
7	.78	.79	.87	.81	30	39	31	33	40	27	68	64	48	SW 12	SW 12	SW 12	432
8	.91	.90	.91	.91	29	39	32	33	40	25	56	46	50	NE 12	SW 20	SW 20	287
9	.93	.95	.92	.93	31	44	32	36	44	27	38	37	50	SW 36	SW 6	SW 22	578
10	.87	.84	.80	.84	33	42	30	35	42	27	51	27	68	SW 24	SW 28	SW 32	494
11	.76	.80	.82	.79	24	38	28	30	38	20	61	38	100	SW 28	SW 16	SW 24	626
12	.84	.88	.98	.90	26	37	33	32	42	24	17	45	61	SW 28	SW 28	SW 24	631
13	1.02	1.07	1.08	1.06	28	47	38	38	48	24	22	34	63	SW 24	SW 10	SW 22	486
14	1.10	1.08	1.05	1.08	35	47	40	41	48	33	27	34	39	SW 16	SW 18	SW 22	408
15	.99	1.00	.96	.98	38	49	35	41	49	35	38	37	53	SW 38	SW 28	SW 72	678
16	1.01	1.07	1.04	1.04	36	47	35	39	48	33	37	41	61	sw 1	0	sw 20	506
17	1.00	.99	.97	.99	35	44	41	40	46	32	27	30	25	sw 18	sw 22	sw 12	394
18	.97	.96	.97	.97	35	50	42	42	54	31	27	32	42	sw 26	sw 14	sw 2	469
19	.94	.97	.99	.97	37	50	42	43	54	35	31	20	19	sw 30	sw 26	sw 22	403
20	.96	.97	.99	.97	37	50	38	42	52	34	23	26	38	sw 14	sw 13	w 12	345
21	.99	.98	.97	.98	37	47	37	40	50	33	31	48	53	sw 4	sw 18	sw 28	261
22	.96	.96	.97	.96	37	50	38	42	50	32	31	32	54	sw 12	sw 24	sw 8	395
23	.98	.98	1.02	.99	37	50	37	41	53	32	38	45	100	sw 8	sw 6	sw 7	282
24	1.02	1.04	1.01	1.02	37	50	37	41	52	32	53	52	63	sw 4	sw 8	sw 24	219
25	1.01	1.00	1.02	1.01	37	53	40	43	57	35	53	48	56	sw 20	sw 8	sw 6	386
26	1.02	1.05	1.06	1.04	40	55	46	47	58	34	56	39	54	sw 8	sw 4	sw 2	202
27	1.07	1.09	1.06	1.07	45	58	46	50	63	38	53	32	54	sw 8	sw 4	sw 12	168
28	1.05	1.07	1.04	1.05	46	56	47	50	59	41	33	57	55	0	sw 6	sw 8	164
29	1.05	1.08	1.10	1.08	46	55	48	50	58	40	54	50	49	sw 8	sw 12	sw 16	200
30	1.12	1.19	1.20	1.17	47	60	46	51	62	42	55	39	54	0	sw 6	sw 28	268
Means	.98	.99	.98	.98	35.5	46.8	37.4	39.9	48.9	31.5	44	45	55	16	14	18	11178

REMARKS.

June 1. Hail, B. 4.45 P.M.; E. 5.26 P.M.

2. Hail and Snow, B. 1.35 P.M. At int. E. 6.45 P.M.

June 4. Hail and Snow, B. 4.00 P.M.; E. 8.04 P.M.

5. " " B. 2.30 P.M.; E. 5.50 P.M.

METEOROLOGICAL OBSERVATIONS.

JUNE, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.									Weather.		
	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	Upper.						Lower.			A.M. 5.07	P.M. 1.07	P.M. 9.07
					A.M. 5.07	P.M. 1.07	P.M. 9.07	A.M. 5.07	P.M. 1.07	P.M. 9.07						
1	.	.	.06	.06	C 5 N	K 10 N	0	0	0	0	0	0	F	Cy	Cr	
2	.	.	.27	.27	0	K 10 S	CS 5 W	0	0	KS 5	0	0	Cr	Cy	Cy	
3	0	K 8 SW	0	0	0	0	0	0	Cr	Cy	Cr	
4	.	.	.23	.23	0	K 8 W	C 5 SW	0	0	0	0	0	Cr	Cy	F	
5	.	.	.14	.14	K 3 W	K 10 W	0	KS 5	0	0	S 5 S	0	Cy	Cy	F	
6	.	.	.03	.03	C 5 SW	C 8 SW	0	0	0	S 5 SW	0	0	F	Cy	F	
7	C 5 W	K 5 SW	0	0	0	0	0	0	F	F	Cr	
8	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
9	0	K 2	0	0	0	KS 6 W	0	0	Cr	Cy	Cr	
10	0	0	CS 10	0	0	0	0	0	Cr	Cr	Cy	
11	.	.	.04	.04	0	CK 10	Hidden	0	0	N 10	0	0	Cr	Cy	Hail	
12	.03	.	.	.03	0	CK 5 W	CS 5	0	0	0	0	0	Cr	F	F	
13	0	K 2	CS 5	0	0	0	0	0	Cr	Cr	F	
14	0	CS 7	CS 2	0	0	0	0	0	Cr	F	Cr	
15	0	CK 7 SW	CS 3	0	0	0	0	0	Cr	F	Cr	
16	0	K 3	0	0	0	0	0	0	Cr	Cr	Cr	
17	0	CK 7 W	CS 3	0	0	0	0	0	Cr	F	Cr	
18	.	.	T	T	0	CK 5	CS 3	0	0	0	0	0	Cr	F	Cr	
19	0	CK 2	CS 2	0	0	0	0	0	Cr	Cr	Cr	
20	0	CK 2	0	0	0	0	0	0	Cr	Cr	Cr	
21	0	CK 5 SW	0	0	0	S 5 SW	0	0	Cr	F	F	
22	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
23	.	.	.07	.07	0	K 8 W	Hidden	0	0	D. Fog	0	0	Cr	Cy	Fy	
24	0	K 8 SW	0	0	0	0	0	0	Cr	Cy	Cr	
25	0	K 5 SW	0	0	0	0	0	0	Cr	F	Cr	
26	0	K 5 SW	0	0	0	0	0	0	Cr	F	Cr	
27	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
28	0	K 10 SW	0	0	0	KS 5 S	0	0	Cr	Cy	F	
29	0	K 10 SW	0	0	0	0	0	0	Cr	Cy	Cr	
30	0	K 3 SW	0	0	0	KS 5 SW	0	0	Cr	Cr	F	
Total	.03	.00	.84	.87												

REMARKS.

June 6. Hail, B. 4.20 P.M.; E. 4.50 P.M.
11. " B. 8.30 P.M.; E. 9.55 P.M.

June 18. Hail, B. 4.05 P.M.; E. 4.10 P.M.
23. " B. 6.10 P.M. At intervals. E. 8.40 P.M.

JULY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	1.24	1.26	1.26	1.24	1.24	1.25	47	56	53	49	45	48	58	39	66	55	59	66	71
2	1.23	1.24	1.25	1.22	1.20	1.23	44	57	56	54	45	48	61	39	58	57	64	64	71
3	1.17	1.14	1.13	1.11	1.09	1.13	44	50	57	51	41	47	61	39	58	52	44	43	67
4	1.10	1.09	1.08	1.07	1.07	1.08	40	46	44	39	36	40	49	36	67	63	74	100	100
5	1.07	1.07	1.07	1.08	1.09	1.08	34	36	37	38	35	35	40	34	100	100	100	100	85
6	1.12	1.13	1.13	1.12	1.11	1.12	40	48	49	52	47	45	55	32	67	61	77	69	61
7	1.10	1.10	1.05	1.00	1.00	1.05	40	48	54	46	40	45	58	40	59	54	51	63	67
8	1.03	1.04	1.03	1.02	.99	1.02	41	52	54	42	37	44	56	37	54	48	51	86	92
9	.98	.99	.98	.98	1.00	.99	36	45	43	46	40	40	50	34	66	63	86	63	73
10	1.03	1.03	1.06	1.04	1.03	1.04	38	47	50	53	41	43	53	34	58	61	56	69	73
11	1.02	1.02	1.03	1.01	1.01	1.02	38	45	54	45	42	45	54	35	58	63	51	58	74
12	1.04	1.06	1.06	1.04	1.06	1.05	36	44	54	46	38	43	55	33	56	47	41	71	64
13	1.08	1.09	1.10	1.09	1.10	1.09	38	47	51	52	42	44	54	35	46	44	83	43	67
14	1.13	1.17	1.18	1.18	1.20	1.17	42	55	58	61	49	50	62	35	38	42	40	36	56
15	1.23	1.26	1.26	1.26	1.24	1.24	48	57	61	61	47	52	62	41	40	44	39	36	61
16	1.25	1.26	1.26	1.26	1.25	1.25	49	54	55	56	49	51	56	42	56	41	51	44	46
17	1.25	1.24	1.24	1.20	1.15	1.21	42	51	57	56	45	48	58	39	62	66	57	60	71
18	1.14	1.13	1.12	1.09	1.09	1.11	50	56	56	50	46	51	58	41	52	55	60	52	58
19	1.03	1.04	1.03	1.00	.98	1.01	45	54	55	59	47	49	60	40	63	55	51	50	66
20	.98	.98	.98	.98	.99	.98	43	44	50	44	39	44	51	39	68	80	83	100	92
21	1.08	1.09	1.10	1.12	1.11	1.10	39	44	38	39	37	38	44	34	92	93	100	100	92
22	1.11	1.13	1.16	1.13	1.13	1.13	38	42	40	39	37	38	44	35	79	86	100	92	92
23	1.13	1.15	1.12	1.10	1.11	1.12	34	43	47	44	40	40	47	32	40	47	71	86	73
24	1.10	1.11	1.13	1.09	1.07	1.10	34	41	43	43	35	37	43	31	65	67	100	68	66
25	1.06	1.05	1.05	1.02	1.00	1.04	35	42	54	38	36	42	54	30	53	55	44	100	92
26	1.03	1.05	1.07	1.05	1.05	1.05	34	40	40	35	36	37	41	32	92	86	100	100	92
27	1.04	1.04	1.03	1.03	1.04	1.04	33	40	42	37	37	37	42	32	85	79	86	100	92
28	1.05	1.07	1.06	1.05	1.07	1.06	34	43	48	45	37	40	50	32	65	63	66	71	92
29	1.08	1.09	1.11	1.11	1.12	1.10	36	41	46	47	40	41	47	34	61	54	71	71	73
30	1.13	1.13	1.11	1.09	1.10	1.11	36	40	42	44	39	39	44	35	92	100	100	68	86
31	1.10	1.09	1.08	1.07	1.06	1.08	37	46	52	44	40	43	53	35	61	43	52	80	67
Mean	1.10	1.11	1.11	1.09	1.09	1.10	39.5	46.9	49.7	46.9	40.8	43.3	52.3	35.7	64	62	68	71	75

REMARKS.

<p>July 2. Hail, B. 11.45 A.M. ; E. 12.30 P.M. Hail and Snow, B. 11.10 A.M. At intervals. 4. { E. 4.54 P.M. Rain and Snow, B. 4.54 P.M. ; E. 7.50 P.M. of 5th.</p>	<p>July 8. Snow, B. 3.00 P.M. ; E. 6.10 P.M. 9. " B. 12.10 P.M. ; E. 1.40 P.M. 13. Hail, B. 9.35 A.M. ; E. 10.18 A.M. 20. Rain, B. 1.30 P.M. ; E. 8.45 P.M.</p>
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JULY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	A.M. 9.07	P.M. 1.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	SW 10	0	0	SW 4	SW 16	196	.	.	.	.	Cr	Cr	F	F	F
2	SW 4	0	SE 4	SE 10	SW 4	117	.	.16	.	.16	Cr	Cr	F	F	Cr
3	SW 12	SW 4	SW 4	SE 12	SW 26	218	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	SW 16	SW 4	NE 8	NE 16	NE 4	334	.	.07	.49	.56	F	F	Cy	HR	HR
5	NE 10	NE 4	NE 18	SW 24	SW 10	316	1.64	.22	.14	2.00	HS	LS	LS	LS	Cy
6	SW 18	SW 1	SW 4	SW 4	SW 14	228	.	.	.	.	Cr	Cr	F	F	Cr
7	SW 16	SW 14	SW 14	SW 16	SW 24	432	.	.	.	.	Cr	Cr	F	F	Cr
8	SW 14	SW 8	SW 10	SW 6	SW 14	390	.	.	.07	.07	Cr	Cr	F	LS	Fy
9	SW 8	SW 14	SW 16	SW 26	SW 12	439	.	.04	.01	.05	Cr	Cr	LS	F	Cr
10	SW 28	SW 12	SW 12	SW 14	SW 16	454	.	.	.	.	Cr	Cr	Cy	F	Cr
11	SW 16	SW 18	SW 10	SW 4	N 6	344	.	.	.	.	Cr	Cr	F	Cr	F
12	SW 10	SW 3	SW 4	SW 10	SW 20	178	.	.	.	.	Cr	Cr	Cy	Cy	F
13	SW 10	SW 1	SW 18	W 9	W 16	280	.	.03	.	.03	Cr	F	Cy	F	Cr
14	SW 1	SW 6	SW 6	SW 4	SW 12	146	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	SW 12	E 1	SE 8	SE 8	SE 24	296	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	0	NE 10	NE 16	NE 10	N 8	237	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	E 10	E 12	E 6	SE 10	W 20	224	.	.	.	.	Cr	Cy	F	Cr	Cr
18	NE 12	0	NE 6	NE 8	NE 9	192	.	.	.	.	Cr	F	F	Cy	Cy
19	s 14	0	SE 10	SW 14	SW 4	201	.	.	.	.	Cr	Cr	F	F	Cr
20	SW 12	SW 2	SE 2	SW 6	NW 14	245	.	.	.18	.18	Cy	Cy	Cy	LR	Cy
21	NE 14	0	0	0	0	131	.	.16	.22	.38	Cy	Cy	LS	LS	Cy
22	0	0	0	NE 3	NE 6	56	.	.12	.16	.28	Cy	Cy	LR	Cy	Cy
23	0	NE 5	NE 5	W 4	NE 5	89	.	.	.	.	Cr	Cr	Cy	F	Cr
24	NE 16	0	E 2	SE 2	SE 10	127	.	.03	.09	.12	Cr	F	LH	Cy	Cr
25	s 14	s 14	NW 2	NW 2	NW 12	214	.	.	.25	.25	F	Cy	Cy	H	Fy
26	0	0	NE 1	0	NE 6	53	.11	.09	.75	.95	Cy	Fy	H	HS	F
27	NE 8	NE 12	NE 7	NE 1	0	245	.	.12	.28	.40	Cy	F	Cy	H	F
28	0	NE 6	SW 6	W 8	W 6	97	.	.	.87	.87	Cr	Cr	Cy	F	Cy
29	0	NW 3	0	s 10	NW 12	143	.	.	.	.	Cr	Cr	F	F	Cr
30	NW 1	NW 9	NE 3	0	SW 14	104	.	.13	.03	.16	F	LH	H	F	Cy
31	NE 14	NE 8	NE 1	SW 12	SW 1	158	.	.	.09	.09	Cr	Cr	F	Cy	Cy
Mean	10	6	7	8	11	6884	1.75	1.17	3.63	6.55					

REMARKS.

July 21. Rain and Snow, B. 9.55 A.M.; E. 6.50 P.M.
 22. " " { B. 10.15 A.M. At intervals.
 { E. 7.50 P.M.

July 24. Hail, B. 11.25 A.M.; E. 2.40 P.M.
 25. " B. 4.10 P.M.; E. 6.50 P.M.
 26. " B. D. N.; E. D. N.

JULY, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	K 5 s	K 6 sw	0	0	0	0	0	KS 4 sw
2	0	0	K 8 SE	K 4 s	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	K 4 NE	K 6 s	K 10 N	Hidden	Hidden	0	0	0	N 10	N 10
5	Hidden	Hidden	Hidden	Hidden	c 4 sw	N 10	N 10	N 10	N 10	KS 4
6	0	K 1 sw	K 6 w	K 6 sw	0	0	0	0	0	0
7	0	0	K 4 w	0	0	0	0	0	KS 4 sw	0
8	0	c 1 sw	K 5 w	Hidden	Hidden	0	0	0	N 10	D. Fog
9	0	0	Hidden	K 3 sw	0	0	0	N 10	0	0
10	0	K 3 sw	K 9 sw	K 5 sw	0	0	0	0	0	0
11	0	CS 3	K 5 sw	0	CK 7 NW	0	0	0	KS 3	0
12	0	0	0	Hidden	CS 7	0	0	KS 8 w	KS 10	0
13	0	CK 6	0	0	0	0	0	S 10 w	KS 7 w	0
14	0	0	0	0	0	0	0	0	0	0
15	0	CK 2	CK 2 w	0	CS 2	0	0	0	0	0
16	0	0	0	K 2	CS 2	0	0	KS 3 w	0	0
17	0	0	CK 6 s	0	CS 2	0	KS 8 SE	0	0	0
18	0	c 5	0	CS 10	CS 10	0	0	KS 5	0	0
19	c 3	0	0	CK 5 s	0	0	KS 3 s	KS 5	0	KS 2 sw
20	CS 2	0	Hidden	Hidden	Hidden	KS 6 w	KS 8 w	KS 10	N 10 sw	KS 10
21	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	s 10	N 10	N 10	KS 10
22	CK 10	Hidden	Hidden	Hidden	CS 10	0	s 10	N 10	s 10 N	0
23	0	0	0	c 2	CS 2	0	0	KS 8 w	s 3 w	0
24	c 2	c 5	Hidden	CS 4	CS 2	0	0	N 10	KS 4 w	0
25	c 5	CS 10	Hidden	Hidden	Hidden	0	0	KS 10 w	N 10	D. Fog
26	CS 10	Hidden	Hidden	Hidden	CS 5	0	Fog	N 10	N 10	0
27	CS 3	CK 5	CK 3	Hidden	CS 6	s 5 w	KS 2 w	KS 6 sw	N 10	0
28	0	K 1	K 8 w	CS 5 sw	K 8	0	0	0	0	0
29	0	CK 2 w	CK 6 w	K 5 w	0	0	0	0	0	0
30	K 2	Hidden	Hidden	CS 4	Hidden	KS 3 w	N 10	N 10	0	s 10
31	0	0	K 3	Hidden	K 4 sw	0	0	KS 2 w	KS 10 sw	KS 4

REMARKS.

July 26. Hail and Snow, B. 11.30 A.M.; E. 7.15 P.M.

27. Hail, B. 11.50 A.M. At intervals. E. 8.28 P.M.

28. " B. 3.10 P.M.; E. 4.30 P.M.

July 28. Hail, B. 7.25 P.M.; E. 8.15 P.M.

30. " B. 8.20 A.M. At intervals. E. 1.45 P.M.

31. " B. 2.50 P.M.; E. 4.10 P.M.

AUGUST, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 1.07	P.M. 9.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	1.06	1.04	1.03	1.02	1.01	1.03	37	48	44	43	40	40	50	35	61	54	86	74	86
2	1.02	.99	1.01	1.01	1.04	1.02	37	45	42	42	39	39	48	37	64	71	100	100	79
3	1.06	1.08	1.06	1.06	1.10	1.04	37	45	48	47	44	43	49	37	64	63	46	61	74
4	1.10	1.12	1.11	1.11	1.11	1.11	42	48	47	47	44	44	50	39	67	50	93	77	74
5	1.09	1.11	1.17	1.17	1.18	1.15	39	47	47	44	40	42	49	39	59	61	61	68	67
6	1.20	1.21	1.20	1.19	1.18	1.19	41	48	44	44	42	43	49	37	67	71	86	80	79
7	1.15	1.16	1.14	1.14	1.13	1.14	43	48	50	46	43	45	54	38	74	71	100	83	74
8	1.11	1.12	1.12	1.13	1.14	1.13	43	50	47	46	44	45	54	41	80	61	100	86	86
9	1.14	1.15	1.14	1.12	1.13	1.14	42	54	52	48	46	47	54	39	55	64	69	66	71
10	1.08	1.10	1.09	1.05	1.10	1.09	45	56	56	52	46	49	57	41	76	55	64	43	76
11	1.02	1.04	1.02	1.01	1.01	1.02	42	51	45	41	38	42	51	36	63	66	83	100	100
12	1.02	1.03	1.03	1.02	1.03	1.03	35	39	42	40	37	38	42	34	100	100	100	92	100
13	1.02	1.01	1.01	1.00	1.00	1.01	37	40	42	41	39	39	42	35	100	92	86	100	92
14	1.01	.98	.98	.99	.99	.99	37	44	47	44	41	42	48	36	92	80	89	100	92
15	1.01	.98	.98	.96	1.02	1.00	41	45	48	45	40	43	51	37	73	71	83	100	100
16	1.01	.99	.98	.98	.98	.99	39	44	46	44	40	42	49	36	79	68	93	100	86
17	1.01	1.02	1.03	1.02	1.01	1.02	35	40	42	38	36	38	44	33	66	73	100	100	100
18	1.01	1.02	1.02	1.03	1.04	1.02	34	38	41	39	37	37	43	33	100	100	100	100	79
19	1.06	1.06	1.06	1.05	1.06	1.06	39	45	45	40	36	41	47	34	65	71	76	100	79
20	1.10	1.10	1.06	1.07	1.06	1.07	34	37	39	37	35	36	41	31	72	100	100	100	79
21	1.04	1.02	1.02	1.02	1.02	1.03	32	35	37	37	37	35	39	32	71	66	100	79	69
22	1.04	1.04	1.05	1.05	1.07	1.05	35	39	45	43	39	40	47	32	66	59	71	68	73
23	1.09	1.11	1.11	1.11	1.10	1.10	40	44	50	45	40	43	53	34	67	58	47	58	67
24	1.11	1.11	1.09	1.07	1.04	1.08	38	47	51	49	41	43	54	36	65	61	57	61	67
25	1.06	1.05	1.04	1.04	1.05	1.05	39	42	48	43	39	42	50	35	73	67	77	86	65
26	1.04	1.04	1.04	1.04	1.02	1.03	37	44	50	46	39	42	53	34	69	68	52	58	65
27	.98	.98	.96	.93	.94	.96	34	41	44	40	37	38	47	34	72	59	74	100	79
28	.98	.97	.98	.97	.96	.97	37	43	44	39	34	38	47	32	69	80	74	73	72
29	.95	.94	.96	.95	.91	.94	34	38	44	45	40	39	48	31	72	59	63	71	73
30	.94	.93	.96	.98	.98	.96	32	37	46	45	36	38	49	30	71	64	54	53	61
31	.99	1.00	1.03	1.01	.99	1.00	34	40	47	44	36	39	50	29	61	54	50	53	61
Mean	1.05	1.05	1.05	1.04	1.05	1.05	37.7	43.9	45.8	43.4	39.5	40.9	48.7	35.1	72	69	79	80	78

REMARKS.

<p>Aug. 1. Hail, { B. 12.20 P.M.; E. 3.10 P.M. { B. B. 8.40 P.M.; E. D. N.</p> <p>2. Hail & Rain, B. 11.30 A.M. At interv. E. 7.10 P.M.</p> <p>4. " " B. 11.20 A.M. At interv. E. 5.45 P.M.</p> <p>6. Hail, B. 11.10 A.M.; E. 12.40 P.M.</p>	<p>Aug. 7. Hail and Rain, B. 12.45 P.M.; E. 2.27 P.M.</p> <p>8. Rain, B. 12.10 P.M.; E. 1.30 P.M.</p> <p>11. " B. 4.50 P.M.; E. 2.30 P.M. of 12th.</p> <p>12. " B. 7.50 P.M.; E. 6.25 A.M. of 13th.</p> <p>13. " B. 4.50 P.M.; E. 5.40 P.M.</p>
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AUGUST, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.					
	Direction and Velocity in Miles per Hour.							Movement.	A.M. 5.07	A.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07												
1	NE 4	NE 8	NE 20	SE 6	NE 8	160	.	.14	.17	.31	Cr	Cr	Hail	Cy	HH		
2	NE 5	0	SW 10	0	SW 4	52	.23	.29	.34	.86	F	Cr	HH	HR	Cy		
3	NE 12	NE 14	NE 14	NE 13	NE 8	298	.	.	.	.	F	F	F	F	Cr
4	NE 6	NE 10	NE 8	NE 2	NE 8	110	.	.24	.38	.62	Cr	Cr	HR	HR	Cy		
5	NE 12	NE 20	NE 14	NE 4	NE 16	271	.	.	.	.	F	F	F	F	Cy
6	NE 4	0	0	NE 4	NE 12	125	.	.34	.	.34	F	Cy	Cy	Cy	F		
7	NW 8	NW 6	0	SW 8	SW 10	126	.	.14	.23	.37	Cr	Cr	HH	Cy	F		
8	NW 10	NE 6	NE 5	0	0	175	.	.22	.01	.23	F	F	HR	Cy	Cr		
9	NE 10	0	NE 7	NE 10	NE 3	154	.	.	.	.	Cr	Cr	Cr	Cy	Cy
10	0	SE 2	E 4	SW 14	SW 10	108	.	.	.	.	F	Cr	Cy	F	F
11	0	NE 6	NE 16	NE 17	NE 6	198	.	.	.38	.38	Cr	Cr	F	LR	LR		
12	NE 10	0	0	E 3	E 8	155	1.78	.18	.13	2.09	LR	LR	LR	Fy	LR		
13	SW 8	SW 2	SW 12	0	SW 16	208	.48	.08	.06	.62	LR	Fy	Fy	LR	Cy		
14	SW 20	SW 18	SW 4	SW 4	SW 18	381	.09	.23	.37	.69	Fy	Fy	LH	HH	Fy		
15	SW 20	SW 18	SW 6	SW 2	SW 16	361	.	.09	.46	.55	F	F	Cy	HH	HH		
16	SW 16	0	SW 6	SW 10	SW 16	274	.17	.22	.43	.82	F	F	HH	LH	Cy		
17	NE 14	NE 2	0	0	SW 4	174	.	.14	.47	.61	F	F	LH	LH	HR		
18	SW 7	SW 4	SW 6	SW 2	SW 4	180	.56	.78	.23	1.57	HR	LR	HR	LR	Cy		
19	SW 8	SW 12	SW 3	SW 3	0	155	.	.	.19	.19	F	F	Cy	HH	Cy		
20	SW 4	s 9	SW 8	SW 6	0	128	.	.12	.21	.33	F	LS	LS	LS	F		
21	0	SW 4	SW 2	SW 6	SW 14	85	.	.04	.24	.28	Cy	Cy	HH	Cy	Cr		
22	SW 12	SW 12	SW 4	SW 4	SW 6	204	.	.	.	.	Cr	Cr	F	F	Cr
23	0	SW 12	SW 6	SW 14	SW 20	178	.	.	.	.	Cr	F	F	Cr	Cr
24	SW 16	SW 6	SW 8	SW 11	SW 20	355	.	.	.	.	Cr	F	Cy	Cr	F
25	SW 40	SW 16	SW 3	SW 4	SW 8	380	.	.	.14	.14	Cy	F	Cy	Cy	Cr		
26	SW 8	SW 2	SW 12	SW 8	SW 16	180	.	.	.	.	Cr	F	F	F	Cr
27	SW 18	SW 35	SW 26	SW 28	SW 36	543	.	.	.12	.12	Cr	Cr	Cy	LS	Cy		
28	SW 30	SW 22	SW 4	SW 12	SW 7	474	.	.	.	.	F	Cy	Cy	Cy	Cy
29	SW 8	0	0	SW 8	SW 5	181	.09	.	.08	.17	F	F	F	F	F		
30	SW 16	SW 24	SW 16	SW 14	SW 19	396	.	.	.	.	Cr	Cr	Cr	Cr	Cr
31	SW 4	SW 4	SW 10	SW 14	SW 20	306	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	11	9	8	7	11	7075	3.40	3.25	4.64	11.29							

REMARKS.

Aug. 14. { Rain, B. D. N.; E. D. N.
 { Hail, B. 12.10 P.M.; E. 2.10 P.M.
 " B. 4.15 P.M. At intervals. E. 6.53 P.M.
 15. Hail, B. 11.00 A.M.; E. 12.14 P.M.

Aug. 15. Hail, B. 4.30 P.M. At intervals. E. D. N.
 16. " B. 11.40 A.M. At intervals. E. 6.45 P.M.
 17. Hail and Rain, { B. 12.26 P.M. At intervals.
 { E. 5.50 P.M. of 18th.

AUGUST, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	K 2 N	Hidden	Hidden	Hidden	0	0	N 10 N	KS 10 S	N 10
2	0	C 2	Hidden	Hidden	C 4 SW	KS 6 NE	0	N 10	N 10	KS 5 N
3	C 3 NE	C 5 N	C 4 NE	K 5 N	0	KS 4 SW	0	0	0	0
4	C 1	0	Hidden	Hidden	K 9 N	0	0	N 10	N 10	0
5	CK 4 NE	K 5 NE	K 4 N	K 4 NE	K 10 NE	KS 2	0	0	KS 2	0
6	CS 2 NE	K 3	K 8 SE	K 3 NE	C 6 NE	KS 3	KS 5 SE	0	KS 7 SE	0
7	0	0	Hidden	K 10 W	K 4 W	0	0	N 10	0	0
8	K 3 NW	K 4 N	Hidden	CS 10	CS 2	KS 3	0	N 10	0	0
9	0	K 1	K 3 SW	CS 8	CS 10	0	S 2 N	0	0	0
10	CS 4	C 3	K 1	CS 6	C 5	0	0	KS 7	0	0
11	0	0	CS 2	Hidden	Hidden	0	S 2 SE	KS 4 NE	N 10 NE	N 10
12	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	D. Fog	N 10 E
13	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 SW	D. Fog	L. Fog	N 10	S 10
14	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	L. Fog	N 10 W	N 10 SW	D. Fog
15	K 4 SW	K 6 SW	K 9 SW	Hidden	Hidden	KS 2	0	0	N 10 W	N 10 SW
16	0	0	Hidden	Hidden	Hidden	KS 6 SW	KS 4 SW	N 10 SW	N 10 SW	S 10 SW
17	0	K 3 NE	Hidden	Hidden	Hidden	KS 6 N	KS 2	N 10 NE	N 10 N	N 10 SW
18	Hidden	Hidden	Hidden	Hidden	0	N 10 W	N 10 SW	N 10	N 10 SW	KS 8 SW
19	K 3 SW	K 5 SW	K 8 SW	Hidden	0	KS 3	0	0	N 10	KS 8 SW
20	0	Hidden	Hidden	Hidden	0	KS 6 SW	N 10 SW	N 10	N 10 W	KS 7 W
21	K 4 SW	K 7 SW	Hidden	K 8 SW	0	KS 6	S 3	N 10 W	0	0
22	0	0	K 6 SW	K 4 SW	0	0	0	0	0	0
23	0	K 5 SW	K 5 SW	0	0	0	0	0	0	0
24	0	K 4 SW	K 8 SW	K 2 W	CS 7 W	KS 2 SW	0	0	0	0
25	CS 4 SW	K 6 SW	Hidden	Hidden	0	KS 4	0	S 10 SW	S 10 SW	0
26	K 2 SW	K 6 W	K 6 SW	K 4 SW	0	0	0	0	0	0
27	0	C 1	K 6 SW	Hidden	Hidden	0	0	KS 4	N 10 SW	S 10 SW
28	0	K 2 SW	K 9 SW	K 7 SW	CS 4 SW	KS 5 SW	KS 6 N	0	KS 2	S 4 N
29	K 4 SW	K 6 S	K 5 S	K 2 SW	CS 5 S	0	0	0	KS 4	0
30	0	0	0	K 2 W	0	0	0	0	0	0
31	0	0	0	K 2 SW	0	0	0	0	0	0

REMARKS.

Aug. 19. Hail, B. 4.30 P.M. At intervals. E. 5.38 P.M.
 20. Snow, B. 8.10 A.M. At intervals. E. 6.20 P.M.
 21. Hail, B. 12.30 P.M. At intervals. E. 4.15 P.M.
 25. Rain, B. 1.30 P.M. At intervals. E. 4.45 P.M.

Aug. 27. Snow, B. 4.30 P.M.; E. 5.45 P.M.
 29. { Hail, B.D.N.; E. D. N.
 { Snow, B. 6.00 P.M.; E. 7.40 P.M.

SEPTEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	1.02	1.01	1.00	1.00	1.01	1.01	31	36	46	45	37	38	49	31	57	61	44	43	56
2	1.01	1.02	1.01	1.01	1.02	1.01	35	40	50	48	39	41	50	33	66	67	38	50	59
3	1.00	1.00	.99	.96	.94	.98	36	41	49	45	38	41	50	32	66	54	46	53	59
4	.87	.86	.82	.80	.80	.83	35	43	42	39	36	38	45	33	66	68	80	73	69
5	.79	.76	.76	.74	.72	.76	35	38	36	35	31	34	39	29	92	92	100	100	100
6	.73	.74	.79	.78	.83	.78	28	31	32	28	26	29	34	26	100	100	100	100	84
7	.82	.80	.82	.86	.92	.85	19	22	24	26	28	24	28	18	91	92	80	74	77
8	.98	.97	.98	.96	.97	.98	30	37	38	36	32	33	39	25	54	56	57	61	71
9	.90	.92	.92	.92	.91	.91	26	33	40	38	32	33	40	25	73	52	48	56	71
10	.97	.98	1.00	1.00	1.03	1.00	24	30	35	35	31	30	36	24	73	47	49	49	70
11	1.05	1.05	1.05	1.07	1.07	1.06	32	35	40	42	37	36	43	28	65	30	48	38	61
12	1.05	1.09	1.07	1.08	1.09	1.07	31	36	42	39	34	36	42	29	78	66	43	73	71
13	1.09	1.08	1.07	1.05	1.03	1.06	30	33	40	40	34	35	41	29	62	71	42	48	52
14	.98	1.01	.99	1.01	.98	.98	24	28	36	33	24	28	40	24	64	67	61	78	64
15	.93	.92	.94	.92	.91	.92	20	23	31	30	26	26	33	20	70	64	62	71	74
16	.83	.81	.84	.84	.83	.83	21	25	31	32	28	27	34	20	73	73	71	85	77
17	.81	.84	.83	.84	.84	.83	25	34	40	41	34	33	41	23	56	72	42	38	40
18	.93	.98	.97	.98	.97	.96	30	36	43	42	35	36	45	29	47	61	47	38	66
19	.96	1.01	1.04	.99	.98	.99	30	38	46	42	35	37	46	28	70	58	38	39	61
20	.94	.97	.95	.92	.90	.93	30	33	43	41	34	36	45	28	61	57	34	43	65
21	.89	.90	.89	.87	.85	.88	28	34	43	36	35	35	44	25	59	65	34	66	72
22	.81	.85	.85	.83	.81	.82	32	38	38	36	30	33	40	27	71	58	100	92	78
23	.72	.72	.68	.70	.68	.70	29	31	36	34	24	30	36	24	67	78	66	60	73
24	.66	.65	.72	.76	.82	.73	18	23	32	33	28	26	34	15	70	56	78	78	67
25	.83	.85	.80	.77	.78	.80	27	32	38	38	31	32	40	26	59	57	52	52	57
26	.74	.75	.72	.73	.70	.72	26	31	38	34	27	30	38	25	59	71	45	61	59
27	.71	.72	.74	.71	.69	.71	21	26	33	31	21	25	35	21	61	74	57	62	100
28	.61	.57	.59	.58	.55	.58	22	21	29	30	23	25	31	20	100	100	77	78	73
29	.42	.38	.50	.54	.57	.50	19	21	27	23	15	20	27	15	70	80	84	64	67
30	.61	.72	.78	.79	.78	.72	12	20	29	30	25	22	35	10	64	26	77	54	67
Mean	.86	.86	.87	.87	.86	.86	26.9	31.6	37.6	36.1	30.3	31.6	39.3	24.7	69	66	60	63	69
REMARKS.																			
Sept. 5. Snow, B. D. N.; E. D. N.										Sept. 5. Snow, B. 11.00 A.M.; E. 8.10 P.M. of 6th.									

SEPTEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	P.M. 9.07	P.M. 1.07	A.M. 5.07	P.M. 9.07										
1	SW 24	SW 14	SW 12	SW 6	SW 21	376	.	.	.	.	Cr	Cr	F	F	Cr
2	SW 12	SW 14	SW 10	SW 18	SW 26	342	.	.	.	.	Cr	F	F	F	Cr
3	SW 36	SW 22	SW 22	SW 24	SW 28	649	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	SW 35	SW 26	SW 34	SW 28	SW 18	732	.	.	.	.	Cr	Cr	Cy	Cy	F
5	SW 12	SW 12	SW 22	SW 30	SW 20	371	.07	.13	.47	.67	Fy	Fy	LS	HS	HS
6	SW 5	SW 8	SW 4	SW 6	SW 8	222	.17	.26	.38	.81	LS	LS	HS	LS	F
7	SW 8	SW 8	SW 10	SW 12	SW 12	326	.	.01	.	.01	Fy	Fy	F	Cr	Cr
8	SW 4	SW 22	SW 14	SW 16	SW 16	316	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	SW 24	SW 22	SW 10	SW 28	SW 22	503	.	.	.	.	Cr	Cr	Cr	Cr	Cy
10	SW 20	NW 12	SW 30	NW 18	NW 14	567	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	NW 21	NW 10	NW 10	SW 10	SW 6	346	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	0	SE 11	SE 6	SW 14	0	127	.	.	.	.	Cy	Cy	Cy	F	Cr
13	0	0	0	0	NW 14	49	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	N 26	NW 25	W 14	W 8	SW 16	448	.	.	.	.	Cr	Cr	Cy	Cy	Cr
15	N 32	N 28	NW 10	NW 12	NW 18	538	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	NE 38	NE 36	NE 8	NE 9	NW 16	566	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	N 14	SW 12	SW 16	SW 20	SW 28	428	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	SW 12	SW 14	0	S 9	SW 10	353	.	.	.	.	Cr	Cr	F	F	Cr
19	SW 2	SE 3	SE 5	SW 24	SW 24	229	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	SW 34	SW 18	SW 11	SW 16	SW 20	532	.	.	.	.	F	F	F	Cy	Cr
21	SW 24	SW 10	SW 11	SW 18	SW 20	488	.	.	.	.	Cr	Cr	F	F	Cr
22	SW 24	SW 8	SW 12	SW 24	SW 32	516	.	T	.32	.32	Cr	Cr	LH	Cy	Cr
23	SW 44	SW 25	SW 36	SW 22	SW 40	779	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	SW 56	SW 50	SW 36	SW 32	SW 24	1077	.	.	.	.	Cr	Cr	Cr	Cr	Cr
25	SW 32	SW 20	SW 28	SW 26	SW 28	675	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	SW 20	SW 22	SW 26	SW 22	SW 26	552	.	.	.	.	Cr	Cr	Cr	Cr	Cr
27	SW 27	SW 24	SW 24	SW 24	SW 22	648	.	.	.	.	Cr	Cr	F	F	Fy
28	SW 18	SW 18	SW 16	SW 10	SW 16	283	.	.	.	.	Fy	F	F	F	Cr
29	SW 24	SW 20	SW 18	SW 25	SW 28	442	.	.04	.	.04	Cr	Cy	Cy	F	Cr
30	W 36	W 48	SW 36	SW 36	SW 36	841	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	22	19	16	18	20	14221	.24	.44	1.17	1.85					

REMARKS.

Sept. 7. Snow, B. 10.40 A.M.; E. 10.55 A.M.

Sept. 22. Hail, B. 12.58 P.M.; E. 3.40 P.M.

SEPTEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	c 2 sw	c 4 w	cs 4 sw	0	0	0	0	KS 3	0
2	0	K 4 sw	c 5 w	0	0	0	0	0	KS 6 sw	0
3	0	0	K 1	0	0	0	0	0	0	0
4	0	c 1	Hidden	K 3 sw	K 7 sw	0	KS 1 sw	s 10 sw	K 5 N	0
5	Hidden	Hidden	Hidden	Hidden	Hidden	L. Fog	L. Fog	N 10 sw	N 10 sw	N 10
6	Hidden	Hidden	Hidden	Hidden	K 7 sw	N 10	N 10	N 10	N 10	0
7	Hidden	Hidden	K 6 sw	0	0	L. Fog	D. Fog	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	K 2 sw	K 1	K 2	0	0	0	0	KS 6 W
10	0	0	0	0	0	0	0	0	0	0
11	0	0	c 1	c 1	cs 1	0	0	0	0	0
12	cs 8	cs 9	cs 8	cs 6	cs 1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	Hidden	0	0	0	KS 8 sw	s 10 sw	0
15	0	0	0	0	0	0	0	0	0	0
16	0	0	0	K 1 NW	0	0	0	0	0	0
17	0	0	0	c 3	0	0	0	0	0	0
18	0	0	K 7 sw	K 1	0	0	0	0	KS 4 sw	0
19	0	CK 1	c 1	K 1	0	0	0	0	0	0
20	cs 7	CK 7	K 3	cs 9	cs 2	0	0	KS 3 sw	0	0
21	cs 2	cs 1	K 2	0	0	0	0	KS 4 sw	KS 6 sw	0
22	cs 1	cs 1	Hidden	0	0	0	0	N 10 sw	s 8 sw	0
23	0	K 1 sw	K 1	K 1	0	0	0	KS 2 sw	s 1 sw	0
24	cs 1	0	0	c 1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0
26	0	0	0	K 2 sw	0	0	0	0	0	0
27	0	0	0	0	Hidden	0	0	K 4 sw	K 4 s	D. Fog
28	Hidden	cs 4	K 3 sw	cs 3 w	0	D. Fog	0	0	K 2	0
29	0	cs 10 w	K 9 sw	K 6 sw	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0

REMARKS.

Sept. 29. Snow, B. 11.45 A.M.; E. 12.20 P.M.

OCTOBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.83	.89	.91	.92	.92	.88	25	29	38	38	31	31	40	22	56	54	52	45	57
2	.90	.95	.97	.99	.98	.95	27	29	42	40	33	34	42	26	67	61	56	42	71
3	1.01	1.06	1.03	1.07	1.02	1.04	30	34	44	40	36	37	44	29	71	79	27	48	79
4	1.01	1.07	1.04	1.02	1.03	1.03	34	35	38	36	34	35	44	29	100	100	86	100	100
5	.97	.97	.94	.91	.91	.94	32	32	33	32	32	32	36	21	100	100	92	100	100
6	.83	.88	.87	.87	.86	.85	29	31	36	34	30	32	36	28	100	92	85	85	85
7	.82	.87	.88	.88	.94	.88	26	29	36	33	29	30	36	26	84	92	69	78	77
8	.96	.97	.97	1.01	1.00	.97	24	27	33	33	28	28	35	23	80	100	92	85	77
9	1.00	1.04	1.04	1.02	1.01	1.01	26	31	36	35	31	31	37	26	74	85	66	66	100
10	.98	.99	.92	.87	.83	.91	28	32	39	35	31	33	39	27	84	71	59	66	92
11	.67	.71	.75	.75	.76	.73	25	26	34	34	28	29	35	24	100	67	72	72	77
12	.78	.82	.81	.81	.82	.80	22	27	32	30	25	26	35	21	53	74	65	71	56
13	.82	.84	.82	.81	.74	.80	24	26	32	29	28	28	35	22	92	100	85	100	100
14	.65	.64	.58	.57	.59	.61	22	24	30	28	20	24	30	19	80	73	85	77	42
15	.66	.65	.62	.60	.62	.64	12	15	23	18	20	18	23	10	40	56	73	70	42
16	.55	.61	.60	.64	.66	.60	16	19	24	23	12	17	26	9	35	40	73	56	64
17	.73	.72	.76	.84	.86	.78	9	17	23	19	15	16	23	8	58	58	56	70	76
18	.88	.92	.90	.86	.86	.88	15	22	30	24	21	22	30	12	33	53	71	64	61
19	.87	.88	.88	.83	.83	.86	18	24	31	24	18	22	31	16	21	40	50	56	70
20	.75	.79	.74	.70	.70	.83	18	23	30	26	22	23	30	15	58	73	71	74	80
21	.68	.71	.70	.68	.69	.69	18	22	28	23	18	21	30	17	100	73	59	64	80
22	.66	.63	.64	.65	.67	.66	12	16	21	19	13	15	22	12	87	100	80	91	100
23	.70	.76	.76	.79	.78	.75	17	15	18	15	13	16	19	5	36	44	70	67	64
24	.79	.80	.79	.78	.74	.77	15	21	26	21	20	20	26	11	44	80	92	91	100
25	.70	.74	.72	.74	.72	.71	15	18	24	21	17	19	24	12	100	80	73	73	67
26	.64	.65	.61	.56	.52	.59	14	21	26	21	19	20	27	13	64	80	92	91	100
27	.36	.44	.38	.41	.46	.40	13	10	13	10	8	11	19	7	100	100	100	100	100
28	.46	.49	.49	.51	.47	.48	6	7	11	14	12	10	14	4	83	83	87	100	100
29	.50	.57	.66	.74	.71	.62	8	8	8	10	4	7	12	2	100	100	83	100	83
30	.78	.83	.86	.78	.69	.78	18	24	28	22	21	22	29	2	58	64	77	73	91
31	.55	.53	.53	.49	.48	.52	14	17	22	11	8	15	23	6	64	67	80	100	100
Mean	.76	.79	.78	.78	.77	.77	19.7	22.9	28.7	25.7	21.8	23.4	30.1	16.6	72	75	73	77	80

REMARKS.

Oct. 3. Snow, B. 8.00 P.M.; E. 8.40 P.M.
4. " B. 1.00 P.M.; E. D. N.

Oct. 5. Snow, B. 3.00 P.M.; E. 8.20 P.M.
22. " B. D. N.; E. D. N.

OCTOBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	SW 28	SW 28	SW 20	SW 24	SW 20	702	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	SW 32	SW 36	SW 18	SW 13	SW 14	600	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	SW 18	SW 16	SW 12	SW 20	SW 8	389	.	.	.01	.01	Cr	Cy	F	Cy	Cy
4	SW 22	SW 14	SW 8	SW 7	SW 18	301	.	T	.28	.28	Fy	Fy	LS	LS	LS
5	SW 12	SW 10	SW 6	SW 18	SW 20	349	.34	.	.22	.56	Fy	Fy	Fy	LS	Fy
6	SW 26	SW 20	SW 22	SW 28	SW 28	528	.	.	.	.	Fy	Cy	Cy	Cy	Cy
7	SW 40	SW 20	SW 28	SW 26	SW 18	764	.	.	.	.	Cr	Cr	Cr	F	F
8	SW 16	SW 18	SW 20	SW 20	SW 20	398	.	.	.	.	Cy	Fy	Fy	Fy	Cr
9	SW 18	SW 14	SW 14	SW 20	SW 24	410	.	.	.	.	Cr	F	F	F	Fy
10	SW 20	SW 4	SW 22	SW 22	SW 26	480	.	.	.	.	Cr	Cr	F	Cy	Fy
11	SW 28	SW 32	SW 28	SW 30	SW 26	689	.	.	.	.	Fy	Cr	Cr	Cr	Cr
12	SW 32	SW 32	SW 24	SW 28	SW 32	698	.	.	.	.	Cr	Cr	F	F	Cr
13	SW 20	SW 26	SW 44	SW 40	SW 40	836	.	.	.	.	Fy	Fy	F	Fy	Fy
14	SW 28	SW 44	SW 36	SW 48	SW 44	897	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	SW 28	SW 32	SW 32	SW 40	SW 38	833	.	.	.	.	Cr	F	Cr	Cr	Cr
16	SW 52	SW 42	SW 48	SW 34	SW 22	1008	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	SW 32	SW 24	SW 22	NW 12	SW 18	530	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	SW 12	SW 10	SW 12	SW 16	SW 18	309	.	.	.	.	Cr	Cr	Cr	F	Cr
19	SE 14	NE 6	SW 12	s 22	s 36	425	.	.	.	.	Cr	F	Cr	Cr	Cr
20	W 40	SW 28	SW 30	SW 28	SW 24	684	.	.	.	.	Cr	Cr	F	Cy	Cr
21	SW 18	SW 24	s 14	s 25	s 26	528	.	.	.	.	Fy	F	Cr	Cr	Cr
22	SW 8	SW 12	SW 22	SW 18	SW 24	291	.15	.	.05	.20	Cr	Fy	Cy	Fy	LS
23	NW 12	W 1	SW 12	SW 12	SW 24	339	.06	.	.	.06	Cr	F	F	Cr	Cr
24	0	s 4	s 12	SW 10	SW 4	223	.	.	.04	.04	Cr	Cr	Cy	F	LS
25	NW 14	0	SE 6	SW 8	SW 12	176	.08	.	.	.08	Fy	F	F	Cr	Cr
26	SW 28	SW 24	SW 20	SW 8	SW 12	478	.	.	.06	.06	Cr	F	F	LS	Fy
27	N 5	NW 24	NW 24	N 28	NW 24	440	.03	.05	.03	.11	LS	Fy	Fy	Fy	Fy
28	NE 24	NE 16	NW 22	0	NW 16	416	.02	.	.08	.10	Cr	Cr	F	Fy	Fy
29	NE 8	W 12	NE 14	NE 14	NE 28	287	.08	.07	.04	.19	LS	LS	F	Fy	Cr
30	NE 20	NE 9	SW 32	SW 44	SW 44	560	.05	.	.	.05	Cr	Cr	Cr	Cr	Cr
31	SW 44	SW 38	SW 20	NW 28	SE 8	790	.04	.	.07	.11	Cr	Cr	F	LS	LS
Mean	22	20	21	22	23	16358	.85	.12	.88	1.85					

REMARKS.

Oct. 22. Snow, B. 8.00 P.M.; E. D. N.
24. " B. 7.30 P.M.; E. D. N.

Oct. 26. Snow, B. 5.05 P.M. At intervals. E. D. N. of 27th.
28. " B. 5.20 P.M. At interv. E. 3.30 P.M. of 29th.

OCTOBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	c 4 sw	c 5 sw	c 4 sw	Hidden	0	ck 5	0	ks 5 sw	ks 10 sw
4	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	N 10	N 10	N 10
5	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	L. Fog	N 10	L. Fog
6	Hidden	ck 10 sw	k 4 sw	c 5 sw	k 9 sw	L. Fog	0	ks 5 N	s 3 sw	0
7	0	c 1 sw	k 2 sw	c 4 sw	k 4 sw	0	0	0	0	0
8	c 4 sw	Hidden	Hidden	Hidden	0	ks 4	D. Fog	L. Fog	L. Fog	0
9	0	cs 4 sw	k 8 sw	k 7 sw	Hidden	0	ck 2	0	0	D. Fog
10	0	cs 2 sw	c 4 sw	c 6 sw	Hidden	0	k 1	0	ks 3	D. Fog
11	Hidden	0	0	0	0	D. Fog	0	0	0	0
12	0	cs 1 sw	c 5 w	c 1 w	0	0	0	0	k 3	0
13	Hidden	Hidden	cs 4 sw	Hidden	Hidden	L. Fog	D. Fog	k 2 sw	D. Fog	D. Fog
14	0	0	cs 1 sw	0	0	0	0	0	0	0
15	0	0	cs 1 sw	0	0	0	k 4	k 2	k 2 sw	0
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	c 1 sw	cs 4 sw	0	0	0	0	0	0
19	0	c 1 NW	c 3 sw	0	0	0	ks 3	0	0	0
20	0	cs 1 sw	k 4 sw	c 6 sw	0	0	0	0	k 3	0
21	Hidden	k 3 sw	0	0	0	D. Fog	0	0	ks 2 sw	0
22	0	Hidden	k 8 sw	Hidden	Hidden	k 3 sw	L. Fog	0	L. Fog	N 10
23	0	0	k 4 SE	0	0	k 2	k 4 SE	0	k 2 sw	0
24	0	0	cs 6 s	cs 4 sw	Hidden	0	0	s 2	k 2	N 10
25	Hidden	cs 4 SE	k 4 SE	k 2 sw	0	L. Fog	k 2	0	0	0
26	0	cs 4 sw	c 3 sw	Hidden	Hidden	0	0	k 4	N 10	D. Fog
27	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	D. Fog	D. Fog	D. Fog	D. Fog
28	0	0	c 2 NW	Hidden	Hidden	0	0	k 2	D. Fog	D. Fog
29	Hidden	Hidden	0	Hidden	0	N 10 NE	N 10 W	k 4 NE	D. Fog	0
30	0	0	0	0	0	0	0	0	0	0
31	0	0	c 3 sw	Hidden	Hidden	0	0	k 4 sw	N 10 NW	N 10 SE

REMARKS.

Oct. 30. Snow, B. D. N.; E. D. N.
31. " B. D. N.; E. D. N.

Oct. 31. Snow, B. 5.00 P.M.; E. D. N. of Nov. 1st.

NOVEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean. of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.44	.47	.49	.50	.58	.50	0	-1	-1	-2	-2	-1	8	-5	100	100	100	100	100
2	.53	.56	.58	.58	.56	.56	-4	-3	-2	-1	-5	-4	5	-5	79	79	79	79	75
3	.64	.70	.72	.71	.75	.70	8	13	17	17	20	15	20	-9	83	64	76	67	70
4	.59	.56	.56	.62	.66	.60	15	9	9	8	9	11	21	5	44	100	48	58	58
5	.65	.66	.66	.63	.60	.64	10	12	14	13	10	11	15	5	48	64	64	64	61
6	.52	.48	.48	.45	.38	.46	10	12	16	9	9	12	17	7	73	64	76	100	100
7	.32	.29	.32	.39	.41	.35	-3	-4	-3	-4	-2	-3	14	-7	100	100	100	100	100
8	.40	.43	.44	.48	.54	.46	-1	1	4	2	-3	0	7	-8	100	100	100	83	58
9	.58	.57	.57	.55	.54	.56	-5	-1	0	-3	-5	-3	2	-7	56	100	100	100	100
10	.53	.55	.55	.51	.43	.50	-1	4	5	-2	0	1	6	-11	100	100	100	100	100
11	.29	.25	.26	.34	.42	.32	-6	-5	0	3	3	-1	6	-12	100	100	100	100	100
12	.50	.55	.44	.46	.42	.46	6	9	10	9	10	9	12	-2	69	48	87	100	100
13	.44	.47	.45	.50	.55	.48	2	7	12	11	12	9	13	-1	100	100	100	100	100
14	.72	.72	.70	.70	.70	.70	9	11	14	13	12	12	14	5	73	100	87	87	76
15	.61	.73	.72	.71	.66	.67	12	13	18	15	14	15	18	9	76	76	80	87	87
16	.52	.55	.47	.45	.42	.47	12	14	16	12	10	13	17	10	87	76	76	87	87
17	.41	.36	.33	.32	.35	.36	4	4	7	7	2	4	12	-1	100	100	100	100	100
18	.34	.38	.38	.42	.41	.38	-5	-4	1	-5	-6	-3	3	-10	100	79	100	100	100
19	.59	.72	.72	.69	.67	.66	0	6	9	9	8	6	10	-9	46	41	48	48	69
20	.64	.61	.48	.62	.61	.58	8	10	13	8	2	8	13	1	69	73	64	69	83
21	.60	.65	.69	.72	.74	.68	1	1	6	10	10	6	11	-2	83	65	69	48	61
22	.75	.75	.77	.74	.73	.75	14	13	17	11	8	13	17	7	53	64	67	73	58
23	.71	.76	.74	.75	.75	.73	8	3	5	6	6	6	10	2	83	52	40	40	54
24	.74	.78	.78	.72	.72	.75	10	11	12	11	10	11	13	4	48	61	50	73	61
25	.72	.76	.69	.73	.75	.72	15	18	15	14	11	14	19	8	55	58	76	76	50
26	.76	.78	.82	.86	.88	.82	6	12	18	15	13	12	18	4	69	76	48	67	76
27	.90	.94	.90	.89	.83	.87	14	17	21	19	17	17	21	11	53	58	61	51	67
28	.68	.65	.58	.56	.53	.60	18	18	20	27	13	17	27	11	28	58	51	37	64
29	.44	.45	.42	.41	.42	.42	8	11	13	6	0	7	14	-2	58	73	76	69	100
30	.50	.58	.59	.63	.52	.58	-1	5	8	9	7	5	10	-1	62	69	58	58	69
Mean	.57	.59	.58	.59	.59	.58	5.5	7.3	9.8	8.2	6.4	7.2	13.1	-0.1	73	77	76	77	80

REMARKS.

Nov. 6. Snow, B. 7.45 P.M.; E. 5.20 P.M. of 7th.
8. " B.D.N.; E. 6.30 A.M.

Nov. 8. Snow, B. 10.30 A.M.; E. 3.20 P.M.
9. " B.D.N.; E. D.N.

NOVEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	NE 20	NE 26	NE 22	NE 10	NE 2	350	1.37	1.18	.36	2.91	HS	HS	HS	LS	LS
2	NE 6	NE 1	NE 28	NW 28	NE 44	332	.06	.	.	.06	Cr	Cr	F	Fy	Cr
3	NE 44	NE 40	NE 32	NW 42	NW 12	896	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	NW 56	NW 52	NW 52	N 32	NW 14	922	.	.	.	.	Cr	Fy	Cr	Cr	Cr
5	NW 36	NW 40	NW 32	NW 40	NW 56	858	.	.	.	.	Cr	Cr	Cr	F	Cr
6	W 52	W 28	W 38	SW 34	SW 27	939	.	.	.01	.01	F	Cr	F	Fy	LS
7	N 16	NE 25	NE 16	0	0	319	.05	.09	.06	.20	LS	LS	LS	LS	Fy
8	SW 6	SW 6	SW 5	SW 6	0	137	.03	.04	.03	.10	LS	Fy	LS	F	Cr
9	SW 6	SE 20	SE 30	SE 32	SE 36	442	.03	.04	.04	.11	Cr	LS	LS	LS	LS
10	NE 44	SE 36	SE 34	SE 20	SE 10	783	.20	.14	.04	.38	LS	Fy	Fy	Fy	LS
11	SE 34	NW 52	NE 60	NE 44	NE 46	731	.03	.41	.34	.78	Fy	Fy	HS	LS	Fy
12	NW	NW 36	SW 50	W 44	NW 24	*596	.04	.	.02	.06	Cr	F	F	Fy	LS
13	W 32	SW 40	SW 24	SW 28	SW 24	623	.03	.	.	.03	Fy	Fy	Fy	Fy	Fy
14	SW 12	s 12	NW 46	SW 56	SW 52	709	.	.	.	.	Cr	Fy	Fy	Cr	Cr
15	SW 26	SW 50	SW 36	SW 42	SW 52	926	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	SW 64	SW 56	SW 24	SW 30	SW 32	1227	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	SW 24	SW 16	SW 32	W 30	SW 16	579	.	.	.04	.04	Fy	Fy	Fy	Fy	LS
18	NW 8	NW 14	SW 24	SW 14	SW 50	363	.01	.	.01	.02	Fy	Cr	Fy	LS	LS
19	NE 36	NE 28	NW 24	SW 36	SW 42	833	.02	.	.	.02	Cr	Cr	Cr	Cr	Cr
20	SW 20	SW 16	SW 18	0	SE 18	434	.	.	.	.	Cr	Cr	Cr	Cr	Cr
21	NW 8	NE 4	NE 22	NW 16	NE 16	318	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	NE 24	NE 16	SW 8	NW 22	NW 24	421	.	.	.	.	Cr	Cy	Cr	Cr	Cr
23	NW 24	NW 26	NE 32	NE 32	NE 32	669	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	NE 36	NE 30	NW 40	NW 38	NW 44	839	.	.	.	.	Cr	F	Cr	F	Cr
25	NE 28	NE 24	NW 40	NW 32	NE 8	681	.	.	.	.	Cr	Cr	Cy	Cr	Cr
26	NW 10	NE 16	SE 10	NE 16	NE 10	339	.	.	.	.	Cr	Cr	Cr	Cr	Cr
27	NE 12	NW 8	NW 8	SW 6	SW 12	227	.	.	.	.	Cr	Cr	Cr	Cr	Cr
28	NW 26	W 32	SW 25	SW 22	SW 22	531	.	.	.	.	Cr	Cy	F	Cr	Cr
29	SW 16	SW 20	SW 18	W 22	SW 28	483	.	.	.03	.03	Cr	Cy	Cy	F	LS
30	SE 20	NE 28	NW 18	NW 30	SW 28	608	.01	.	.	.01	Cr	Cr	Cr	Cr	Cr
Mean	25	27	28	27	26	17519	1.88	1.90	.98	4.76					

REMARKS.

Nov. 9. Snow, B. 7.20 A.M. At intervals. E. D. N. of 10th. | Nov. 12. Snow, B. 7.15 P.M.; E. D. N.
 11. " B. 7.45 A.M. At intervals. E. 8.30 P.M. | 17. " B. 6.45 P.M.; E. D. N.

* For two thirds of a day.

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NOVEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 1.07	P.M. 9.07
1	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 NE	N 10 NE	N 10 NE	N 10 NE	N 10 N
2	0	0	K 4 W	Hidden	0	0	0	0	L. Fog	0
3	0	0	0	0	0	0	0	0	0	0
4	0	Hidden	0	0	0	0	D. Fog	0	0	0
5	0	0	0	K 7 NW	0	0	0	0	0	0
6	K 4 W	0	c 2 W	Hidden	Hidden	0	0	K 4 W	D. Fog	N 10 SW
7	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 N	N 10 NE	N 10 NE	N 10	D. Fog
8	Hidden	Hidden	Hidden	K 7 SW	0	N 10 SW	D. Fog	N 10 SW	0	0
9	0	Hidden	Hidden	Hidden	Hidden	0	N 10 SE	N 10 SE	N 10 SE	N 10 SE
10	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 NE	D. Fog	D. Fog	D. Fog	N 10 SE
11	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	N 10 NE	N 10 NE	L. Fog
12	0	K 6 NW	c 4 SW	Hidden	Hidden	0	0	K 3 SW	D. Fog	N 10 NW
13	Hidden	Hidden	Hidden	Hidden	Hidden	L. Fog	D. Fog	D. Fog	D. Fog	D. Fog
14	0	Hidden	Hidden	0	0	0	L. Fog	L. Fog	0	0
15	0	0	0	0	0	0	0	0	0	0
16	0	0	0	K 2 SW	0	0	0	0	0	0
17	Hidden	Hidden	Hidden	Hidden	Hidden	L. Fog	D. Fog	D. Fog	D. Fog	N 10 SW
18	Hidden	0	Hidden	Hidden	Hidden	L. Fog	0	L. Fog	N 10 SW	N 10 SW
19	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0
22	0	K 8 NE	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0
24	0	c 3 NE	0	c 1 NW	0	0	K 2 NE	0	K 3 NW	0
25	0	0	K 8 NW	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0
28	0	K 8 W	c 6 SW	0	0	0	0	0	0	0
29	0	c 2 SW	K 8 SW	c 3 W	Hidden	0	K 6 SW	0	K 4 W	N 10 SW
30	0	0	0	cs 1	cs 3	0	0	0	0	0

REMARKS.

Nov. 18. Snow, B. 4.30 P.M.; E. D. N.

Nov. 29. Snow, B. 6.30 P.M.; E. D. N.

DECEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.58	.59	.55	.59	.54	.56	8	10	14	10	10	10	14	6	58	66	76	66	80
2	.55	.58	.59	.62	.64	.60	9	9	10	6	4	8	13	3	80	87	80	83	91
3	.66	.68	.66	.66	.65	.66	6	8	10	8	6	8	13	2	91	100	93	100	91
4	.70	.77	.80	.82	.82	.78	11	13	17	17	17	15	17	2	30	53	46	52	52
5	.74	.81	.75	.74	.73	.74	20	22	26	21	20	22	27	14	85	73	77	80	91
6	.70	.74	.78	.79	.79	.75	20	17	18	16	16	18	20	9	85	100	100	87	87
7	.68	.64	.62	.60	.67	.66	17	18	18	14	13	16	20	12	100	91	96	100	58
8	.60	.66	.62	.62	.64	.62	12	12	10	7	6	9	16	4	32	32	48	55	54
9	.59	.60	.61	.64	.61	.61	4	4	8	7	7	7	11	1	83	74	64	83	83
10	.52	.56	.57	.56	.65	.58	8	9	10	8	12	10	13	3	83	87	87	69	51
11	.56	.47	.43	.46	.48	.49	12	10	11	8	7	10	14	4	32	48	66	69	69
12	.39	.37	.35	.36	.38	.37	5	6	10	6	4	6	10	1	69	69	73	83	83
13	.44	.54	.58	.60	.65	.56	6	5	6	3	2	5	7	6	61	69	54	52	48
14	.73	.83	.85	.86	.89	.82	6	8	13	11	12	10	14	2	54	58	47	55	56
15	.80	.78	.71	.68	.66	.72	14	16	16	12	12	14	17	9	36	27	34	51	45
16	.61	.63	.61	.61	.62	.61	10	13	14	10	10	11	14	9	42	53	64	66	73
17	.66	.74	.74	.75	.75	.73	6	9	14	11	10	10	16	4	55	40	47	61	48
18	.72	.71	.70	.68	.69	.70	10	13	13	9	6	10	16	4	87	53	47	40	91
19	.65	.64	.65	.65	.67	.66	10	2	- 1	- 4	- 5	1	10	- 7	27	38	100	79	100
20	.70	.72	.64	.59	.57	.64	- 6	- 4	- 1	2	- 2	- 3	3	- 9	75	79	79	66	79
21	.50	.49	.55	.60	.61	.55	- 1	4	4	8	6	3	8	- 8	62	58	53	50	54
22	.68	.76	.75	.75	.76	.73	6	8	10	7	2	6	12	1	47	30	35	43	66
23	.78	.81	.82	.82	.82	.80	6	10	15	12	12	11	16	- 2	42	27	18	22	27
24	.77	.79	.75	.72	.68	.73	12	16	26	19	17	18	26	10	27	22	32	65	67
25	.58	.60	.56	.55	.51	.55	14	14	17	10	1	10	21	0	36	36	58	64	100
26	.43	.43	.38	.38	.37	.39	3	4	5	0	0	3	6	- 5	83	83	100	100	54
27	.24	.30	.30	.32	.33	.29	0	4	5	8	6	4	8	- 5	64	100	91	100	100
28	.32	.38	.37	.45	.52	.41	2	- 2	- 3	- 7	- 11	- 4	6	- 11	100	100	100	74	70
29	.60	.71	.72	.69	.80	.71	0	4	5	5	6	4	7	- 11	46	52	69	83	91
30	.74	.76	.66	.68	.75	.72	11	10	12	10	12	12	13	2	55	60	76	80	56
31	.71	.79	.79	.80	.78	.76	12	16	14	18	18	15	20	4	80	67	70	74	70
Mean	.61	.64	.63	.63	.65	.63	8.2	9.2	11.2	8.8	7.6	9.0	13.8	1.3	62	62	67	69	70

REMARKS.

Dec. 2. Snow, B. D. N.; E. D. N.

Dec. 7. Snow, B. 10.20 A.M.; E. 6.25 P.M.

DECEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	SW 32	SW 38	SW 40	SW 42	SW 22	830	.	.	.	.	Cr	F	Cy	F	Cr
2	SW 10	S 24	SW 32	SW 34	SW 21	518	.02	.	.	.02	Fy	Fy	F	Cr	F
3	SW 7	SW 14	SW 24	SW 28	SW 25	430	.	.	.	.	Fy	Fy	Fy	Fy	F
4	NW 32	N 30	NW 22	SW 20	SW 40	796	.	.	.	.	Cr	Cr	Cr	F	F
5	NW 50	NW 44	W 62	SW 44	W 42	1188	.	.	.	.	F	Cy	Cy	F	F
6	SW 34	W 16	SW 32	W 28	W 22	715	.	.	.	.	F	Fy	Fy	Fy	Fy
7	SW 16	SW 18	SW 16	W 32	N 24	508	.	.09	.05	.14	Fy	Fy	LS	LS	Cr
8	NW 28	NE 22	NW 32	NW 26	W 12	596	.	.	.	.	Cr	F	Cr	Cr	Cr
9	SW 24	W 28	W 32	SW 20	SW 24	585	.	.	.	.	Cr	F	F	Cy	Fy
10	SW 34	SW 25	SW 24	W 52	NW 12	685	.	.	.02	.02	Fy	Fy	Fy	Cr	Cr
11	SW 34	SW 32	SW 40	SW 32	SW 36	798	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	SW 44	SW 36	SW 32	SW 36	SW 16	850	.	.	.	.	Cr	Cr	Cr	F	Cr
13	NW 18	NE 16	NE 24	NE 24	NE 10	506	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	NE 4	N 4	NW 16	NW 30	NW 20	268	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	SW 42	SW 44	SW 22	SW 20	SW 22	612	.	.	.	.	Cr	F	Cy	Cy	Cy
16	SW 14	SW 8	SW 8	SW 12	NW 12	298	.	.	.	.	Cr	Cy	Fy	Cy	Cr
17	0	0	0	0	NE 12	121	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	SW 9	0	0	NE 16	NE 15	236	.	.	.	.	Cr	Cr	F	Cy	Fy
19	NE 28	NW 20	NE 26	NW 28	NE 15	513	.	.	.03	.03	Cr	Cr	Fy	LS	LS
20	NE 24	NE 24	NE 32	NE 44	NE 28	594	.02	.	.	.02	Cr	Cr	Cr	Cr	Cr
21	NE 22	NE 22	NE 30	NE 30	NE 12	610	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	NE 18	NE 18	NW 14	W 12	NE 6	377	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	NE 16	NE 32	NE 20	NE 22	NE 20	459	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	NE 8	NE 6	0	SW 9	SW 22	238	.	.	.	.	Cr	Cr	Cr	Cr	Cr
25	SW 28	SW 26	SW 22	NE 18	SE 28	570	.	.	.09	.09	Cr	F	Cy	Cy	LS
26	SW 12	SW 8	SW 18	NW 14	NW 14	397	.05	.02	.	.07	LS	LS	Fy	Fy	Cr
27	NW 52	NW 30	NW 32	NW 32	NW 32	801	.	.	.10	.10	Cr	Fy	Fy	LS	LS
28	NW 34	NW 18	NW 28	NW 14	NW 44	634	.02	.02	.03	.07	LS	LS	LS	Cy	Cr
29	NW 76	NW 34	NW 32	NW 26	NE 34	820	.	.	.	.	Cr	Cr	Cr	F	Cy
30	NE 32	NW 48	NE 40	NW 44	NW 22	832	.	.	.	.	Cr	Cy	Cy	Cy	Cy
31	NE 24	NE 22	NE 24	NE 36	N 34	587	.	.	.	.	Cr	Cr	F	F	F
Mean	26	23	25	27	22	17972	.11	.13	.32	.56					

REMARKS.

Dec. 10. Snow, B. 2.30 P.M.; E. 4.20 P.M.

Dec. 19. Snow, B. 1.15 P.M.; E. D.N.

DECEMBER, 1881.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	c 3 sw	Hidden	c 3 sw	cs 2	0	s 4	s 10	s 3	0
2	Hidden	Hidden	k 7 sw	0	L. Haze	L. Fog	L. Fog	0	s 3 sw	s 5
3	Hidden	Hidden	Hidden	Hidden	0	L. Fog	D. Fog	L. Fog	D. Fog	s 4 sw
4	0	cs 3	cs 1	cs 2	cs 5	0	0	0	s 2	0
5	0	cs 2 w	0	cs 3	cs 5 w	s 6 nw	s 7	s 8 w	s 3 sw	0
6	0	Hidden	Hidden	Hidden	0	s 4 sw	D. Fog	D. Fog	D. Fog	L. Fog
7	Hidden	Hidden	Hidden	Hidden	0	D. Fog	D. Fog	n 10 sw	n 10 w	0
8	0	c 4 NE	0	0	0	0	0	0	0	0
9	0	c 6 w	c 4 w	0	Hidden	0	0	0	s 10 sw	L. Fog
10	Hidden	Hidden	Hidden	L. Haze	0	L. Fog	L. Fog	D. Fog	k 2 w	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	k 2 sw	0	0	0	0	s 4 sw	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	c 7 sw	c 4 sw	Hidden	Hidden	0	0	k 6 sw	s 10 sw	s 10 sw
16	0	Hidden	Hidden	c 4 sw	0	s 2 sw	s 10 sw	L. Fog	k 5 sw	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	c 6	0	Hidden	0	0	0	s 9	L. Fog
19	0	0	Hidden	Hidden	Hidden	0	0	D. Fog	n 10 nw	n 10 NE
20	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0
22	0	c 2 NE	0	0	0	0	cs 1 NE	0	0	0
23	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0
25	0	c 4 sw	c 8 sw	0	Hidden	0	s 1	cs 2	s 9	n 10 SE
26	Hidden	Hidden	Hidden	Hidden	0	n 10 sw	n 10 sw	D. Fog	D. Fog	0
27	0	Hidden	0	Hidden	Hidden	k 3 nw	D. Fog	Fog	n 10 nw	n 10 nw
28	Hidden	Hidden	Hidden	0	0	n 10 nw	n 10 nw	n 10 nw	s 10 nw	0
29	0	0	0	c 3 nw	0	0	0	0	k 1	k 8 NE
30	0	k 8 nw	k 9 nw	k 9 nw	0	k 1	0	0	0	s 8 nw
31	0	c 2 NE	c 6 NE	cs 2 NE	0	0	0	0	k 4 NE	s 6 N

REMARKS.

Dec. 25. Snow, B. 6.30 P.M.; E. 10.45 A.M. of 26th.

Dec. 27. Snow, B. 2.30 P.M.; E. 3.20 P.M. of 28th.

JANUARY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.48	.75	.74	.78	.79	.67	19	21	21	20	18	19	26	14	36	48	53	61	53
2	.73	.75	.67	.68	.66	.68	19	20	22	20	18	20	23	13	36	33	70	56	70
3	.59	.58	.47	.47	.55	.54	14	14	15	13	10	13	19	7	76	81	87	87	100
4	.56	.68	.70	.68	.65	.64	4	11	15	14	12	10	15	1	66	44	61	70	62
5	.58	.59	.57	.62	.64	.60	9	8	9	8	10	10	12	4	80	83	87	83	73
6	.60	.59	.59	.56	.52	.59	10	12	13	12	9	11	16	7	80	80	87	87	87
7	.42	.47	.41	.42	.46	.43	6	6	7	1	-7	2	10	-10	83	100	100	100	100
8	.43	.49	.48	.49	.54	.48	-6	-7	-7	-12	-10	-8	-4	-15	87	100	100	100	58
9	.50	.51	.44	.42	.41	.45	-6	-4	-1	-5	-6	-4	0	-12	75	56	79	56	74
10	.33	.34	.38	.41	.42	.38	-15	-19	-8	-6	-8	-10	-6	-22	100	100	74	74	86
11	.38	.39	.35	.34	.29	.34	-5	-4	-2	-1	-4	-4	0	-10	100	77	79	79	79
12	.22	.22	.22	.20	.22	.22	-3	-1	-1	-8	-16	-7	0	-16	100	100	100	86	81
13	.31	.40	.40	.44	.50	.40	-10	-7	-2	-1	0	-4	0	-18	70	74	89	89	72
14	.53	.56	.56	.56	.54	.54	0	-2	7	8	6	4	9	-2	62	62	55	69	69
15	.45	.43	.41	.42	.43	.43	5	7	11	10	6	7	11	2	61	69	87	87	100
16	.29	.37	.39	.42	.51	.40	0	2	-3	-6	-9	-4	6	-10	100	83	89	47	46
17	.57	.59	.50	.45	.43	.50	1	8	9	4	-2	-3	10	-13	55	50	58	83	89
18	.40	.44	.43	.44	.43	.42	-10	-12	0	1	3	-2	4	-15	84	86	37	73	74
19	.42	.45	.41	.43	.42	.42	0	3	4	2	2	2	6	-2	54	58	66	65	65
20	.38	.42	.42	.43	.47	.42	-3	-1	2	2	1	0	5	-5	79	79	65	83	83
21	.53	.63	.67	.72	.78	.66	-1	0	2	3	5	2	7	-5	70	62	65	66	69
22	.80	.84	.78	.74	.71	.76	7	11	13	11	9	10	13	4	55	61	58	61	73
23	.65	.65	.57	.54	.53	.58	8	10	12	11	7	9	12	5	69	60	64	66	69
24	.39	.39	.36	.32	.30	.38	4	6	10	7	4	6	10	2	74	69	66	83	91
25	.22	.22	.23	.22	.19	.21	3	4	7	7	0	3	8	0	100	100	100	100	100
26	.30	.39	.41	.45	.45	.39	-10	-3	0	-1	-1	-4	1	-12	84	79	83	79	79
27	.38	.38	.37	.42	.45	.40	-6	-5	-1	-3	-6	-4	0	-9	86	87	100	89	86
28	.46	.52	.55	.58	.62	.54	-7	-6	-2	-2	-5	-5	-2	-12	74	74	89	89	87
29	.60	.61	.55	.49	.46	.54	-4	1	2	2	-2	-1	3	-8	89	100	100	100	100
30	.31	.32	.33	.35	.40	.35	-5	-6	-7	-2	-4	-5	-2	-8	87	87	74	70	79
31	.37	.41	.39	.39	.40	.39	0	2	7	4	1	3	7	-4	83	83	83	83	83
Mean	.46	.50	.48	.48	.49	.48	0.6	2.2	5.0	3.6	1.3	2.3	7.0	-4.8	76	75	78	78	79

REMARKS.

Jan. 4. Snow, B. D. N.; E. D. N.
7. " B. 9.15 A.M.; E. D. N.

Jan. 8. Snow, B. 5.15 P.M.; E. 7.45 P.M.
10. " B. 9.15 A.M.; E. 11.30 A.M.

JANUARY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	A.M. 9.07	P.M. 1.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	NW 50	NW 62	NW 28	NW 17	NW 12	916	.	.	.	.	F	F	F	Cr	Cr
2	SW 22	SW 22	SW 20	SW 20	SW 28	503	.	.	.	.	Cr	Cr	F	Cr	Cr
3	SW 20	SW 18	SW 22	SW 13	NW 8	479	.	.	.	.	Cr	Cy	Cy	Fy	Fy
4	NW 21	SE 10	SW 20	SW 38	SW 30	458	.05	.	.	.05	Cr	Cr	Cr	Cr	Cy
5	NW 46	SW 44	w 40	w 42	NW 52	1003	.	.	.	.	Cr	Cy	Cy	Cy	Cy
6	SW 24	SW 43	SW 29	SW 36	SW 32	883	.	.	.	.	Cr	Cr	Cy	F	Cr
7	SW 40	SW 16	SW 18	SW 18	SW 5	545	.	.03	.21	.24	Cr	Fy	LS	LS	LS
8	SW 8	SW 8	SW 17	NW 20	NE 12	288	.06	.	.03	.09	Fy	Fy	Fy	Fy	Cr
9	0	0	SW 8	NW 8	SW 8	138	.	.	.	.	Cr	Hz	Hz	Hz	Cr
10	NW 12	NW 36	NW 20	SW 32	SW 30	612	.	.15	.	.15	Cy	LS	Cr	Cr	Cr
11	SW 36	SW 42	SW 32	SW 28	SW 36	799	.	.	.	.	Cy	Cr	Cr	Cr	Cr
12	SE 22	SW 20	SW 18	SW 18	SW 18	519	.10	.18	.	.28	LS	LS	Fy	Cy	Cr
13	w 28	SW 25	SW 36	SW 27	SW 32	671	.	.	.	.	Cr	Cr	Fy	F	Cr
14	SW 34	SW 36	SW 34	SW 24	SW 26	833	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	SW 30	SW 42	SW 28	SW 20	SW 8	651	.	.	.03	.03	Cr	Cr	F	Fy	HS
16	s 14	w 6	SW 16	w 19	N 9	267	.30	.06	.	.36	LS	LS	Cy	Cr	Cr
17	NW 11	NW 10	N 14	NW 28	N 16	352	.	.	.	.	Cr	Cr	F	Cy	Cy
18	NW 13	NW 10	NW 12	w 30	SW 36	397	.07	.	.	.07	F	Cr	Cr	Cr	Cr
19	SW 20	SW 22	SW 30	SW 34	SW 22	633	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	SW 10	NW 10	NW 18	NW 36	NW 32	496	.	.	.	.	Cr	Cr	F	Cr	Cr
21	NW 32	NW 35	NW 35	w 34	NW 24	842	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	w 20	w 24	w 38	w 40	w 36	671	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	w 16	w 18	SW 34	SW 36	SW 30	631	.	.	.	.	F	F	Cy	F	Cr
24	SW 54	SW 44	SW 42	SW 36	SW 22	1002	.	.	.	.	Cr	Cr	F	Cy	Fy
25	SW 12	SW 26	w 16	SW 14	SW 20	381	.24	.	.12	.36	Fy	Cy	Fy	HS	HS
26	SW 34	w 46	w 45	w 38	SW 36	989	.06	.	.	.06	Cr	Cr	Cr	Cr	Cr
27	SW 42	SW 40	SW 30	SW 30	SW 28	887	.	.	.	.	Cr	Cr	Cy	Cy	Cr
28	SW 24	w 24	w 26	SW 20	SW 24	575	.	.	.	.	Cr	Cr	Cy	Cy	Cr
29	w 18	SW 9	SW 16	SW 8	SW 6	346	.	.04	.05	.09	F	Cy	LS	LS	F
30	NW 26	NW 21	NW 36	NE 31	NW 24	487	.	.	.	.	Cr	F	Cr	Cr	Cr
31	NW 46	NW 30	SW 36	w 34	SW 17	918	.	.	.	.	Cr	Cr	Cr	Cr	F
Mean	25	26	26	27	23	19172	.88	.46	.44	1.78					

REMARKS.

Jan. 12. Snow, B. D. N.; E. 9.50 A.M.
15. " B. 8.20 P.M.; E. 10.30 A.M. of 16th.

Jan. 17. Snow, B. 10.00 P.M.; E. D. N.
25. " B. D. N.; E. D. N.

JANUARY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	c 4 NW	c 5 NW	cs 2 NW	0	K 3 NW	K 2 NW	K 2 NW	K 1 NW	0
2	0	0	c 3 SW	0	0	0	0	K 4 SW	0	0
3	0	K 9 SW	0	Hidden	Hidden	0	0	s 9 SW	D. Fog	D. Fog
4	0	0	c 2 SW	0	c 6 SW	0	0	0	0	K 2 SW
5	0	0	Hidden	cs 3	0	0	s 9 SW	s 10 W	s 6 W	s 8 NW
6	0	0	cs 3	0	0	s 3 SW	K 2 SW	{ K 2 W } { s 4 W }	s 7 SW	0
7	0	Hidden	Hidden	Hidden	Hidden	0	D. Fog	N 10 SW	N 10 SW	N 10 SW
8	Hidden	Hidden	Hidden	Hidden	0	L. Fog	D. Fog	L. Fog	D. Fog	0
9	0	0	0	0	0	0	L. Haze	L. Haze	L. Haze	0
10	0	Hidden	0	0	0	s 8 NW	N 10 NW	0	0	0
11	0	0	0	0	0	s 8 SW	0	0	0	0
12	Hidden	Hidden	Hidden	0	0	N 10 SE	N 10 SW	L. Fog	s 9 SW	0
13	0	0	Hidden	0	0	0	s 2	L. Fog	s 6 SW	0
14	0	0	cs 2	cs 2	0	0	0	0	0	0
15	0	0	cs 2	Hidden	Hidden	0	0	s 4 SW	L. Fog	N 10 SW
16	Hidden	Hidden	cs 2	0	0	N 10 S	N 10 W	s 6 SW	s 2 W	0
17	0	0	c 4	Hidden	Hidden	0	0	s 1	s 10 W	s 10
18	0	0	0	0	0	s 5	s 1	0	s 1	0
19	0	cs 2	0	0	0	0	0	s 2	s 3 SW	0
20	0	cs 1	c 1 NW	0	0	0	0	s 3 NW	s 2 W	0
21	0	c 1	0	0	0	0	0	0	0	0
22	0	cs 3	c 3 W	cs 1	0	0	0	0	0	0
23	0	cs 7 W	cs 9	CK 6 SW	0	s 5 W	0	0	0	0
24	0	cs 1	cs 4	cs 2	Hidden	0	0	0	s 6 SW	D. Fog
25	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	s 10 SW	L. Fog	N 10 SW	N 10 SW
26	0	0	0	0	0	0	0	0	0	0
27	0	0	Hidden	K 1	0	0	s 3 SW	s 10 SW	s 8 SW	0
28	0	cs 2	cs 2	cs 4	0	0	0	s 6 W	s 4 SW	s 2
29	0	Hidden	Hidden	Hidden	0	s 5	s 10	N 10	N 10	s 4 W
30	0	cs 2	K 1	cs 1	0	s 3	s 4 NW	0	0	0
31	CS 1	0	CS 1	CS 1	CS 6 W	0	0	0	K 1	0

REMARKS.

Jan. 25. Snow, B. 4.55 P.M.; E. D. N.

Jan. 29. Snow, B. 10.55 A.M.; E. 6.40 P.M.

FEBRUARY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.36	.40	.40	.44	.46	.41	- 4	- 2	1	1	1	0	2	- 5	89	79	83	83	91
2	.52	.62	.67	.68	.72	.63	- 1	7	9	8	5	4	10	- 3	79	55	52	56	69
3	.74	.72	.72	.72	.71	.72	9	5	4	1	2	5	10	0	73	61	66	65	66
4	.69	.66	.70	.71	.73	.71	- 1	8	9	11	12	6	12	- 2	79	69	73	73	68
5	.74	.73	.67	.63	.60	.67	9	13	15	14	11	12	15	9	73	53	61	53	50
6	.46	.50	.52	.56	.58	.52	7	6	11	11	6	8	13	5	61	61	66	73	83
7	.59	.63	.66	.68	.71	.65	2	2	6	6	7	5	8	0	89	89	76	54	55
8	.70	.69	.67	.67	.66	.68	10	9	14	12	6	10	14	5	48	58	42	50	69
9	.64	.69	.68	.70	.70	.67	9	10	15	14	10	11	16	5	73	60	56	53	60
10	.64	.65	.61	.60	.61	.62	10	11	15	16	11	12	16	7	48	50	61	56	61
11	.51	.52	.50	.44	.43	.48	8	8	12	10	7	9	12	5	63	58	70	80	91
12	.39	.38	.45	.53	.53	.46	2	- 4	- 2	- 2	- 7	- 2	7	- 7	100	89	70	79	86
13	.54	.55	.52	.53	.54	.54	- 6	- 4	0	0	- 6	- 4	1	- 13	74	66	72	72	75
14	.61	.68	.69	.69	.69	.66	- 2	4	12	9	10	6	12	- 9	79	74	56	58	59
15	.61	.61	.56	.54	.54	.57	7	8	13	9	5	8	14	5	69	69	53	87	76
16	.52	.55	.55	.54	.54	.54	3	6	10	6	4	6	11	0	91	76	93	91	91
17	.48	.51	.50	.45	.38	.45	1	4	9	9	4	5	10	0	91	83	87	87	91
18	.18	.26	.31	.37	.47	.32	2	- 2	2	4	- 2	1	6	- 4	74	89	74	75	89
19	.45	.46	.41	.40	.38	.41	0	2	7	6	5	4	8	- 4	90	91	83	83	91
20	.24	.22	.23	.29	.40	.29	- 6	- 14	- 12	- 13	- 7	- 9	5	- 17	86	82	85	84	86
21	.60	.64	.60	.58	.61	.60	5	6	7	4	1	4	8	- 9	47	61	76	100	100
22	.58	.64	.65	.69	.73	.65	- 6	- 2	1	2	2	- 1	4	- 8	74	62	47	65	35
23	.72	.76	.73	.74	.78	.75	6	8	13	14	10	10	14	1	40	39	53	53	53
24	.76	.80	.76	.74	.73	.75	10	12	16	15	9	12	19	6	48	46	61	67	73
25	.80	.74	.77	.76	.78	.78	8	14	18	17	10	12	21	6	71	70	68	76	73
26	.64	.63	.54	.53	.49	.56	10	8	14	14	10	11	15	8	87	83	87	93	100
27	.38	.34	.38	.39	.44	.40	8	6	8	7	4	6	10	4	91	100	91	91	100
28	.56	.56	.52	.56	.58	.56	9	9	11	11	8	9	12	2	73	73	80	87	83
Mean	.56	.58	.57	.58	.59	.57	3.9	5.0	8.5	7.7	5.0	5.8	10.9	- 0.5	74	70	69	73	76

REMARKS.

Feb. 6. Snow, B. 9.40 P.M.; E. 10.48 P.M.

Feb. 12. Snow, B. D. N.; E. 5.15 A.M.

FEBRUARY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	sw 14	sw 14	sw 16	w 12	w 17	358	.	.	.	.	Cy	F	H _z	Cr	F
2	N 18	N 6	0	N 15	N 20	233	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	NW 16	NW 60	NW 26	NW 38	NW 52	790	.	.	.	.	Cr	Cr	Cr	Cr	F
4	NW 28	NW 32	NW 30	NW 26	NW 22	692	.	.	.	.	Cr	F	F	F	F
5	NW 14	sw 12	sw 14	sw 20	sw 22	442	.	.	.	.	Cr	Cr	Cy	F	Cr
6	sw 18	sw 18	sw 18	sw 4	0	314	.	.	.	.	Cr	Cr	Cr	F	Cy
7	0	N 1	0	w 6	N 9	60	.12	.	.	.12	Cr	Cr	Cr	Cr	Cr
8	NW 25	w 38	w 48	w 36	w 46	697	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	w 44	w 44	w 37	sw 26	sw 22	886	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	sw 12	w 26	w 36	sw 28	sw 20	488	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	sw 48	sw 54	sw 44	sw 56	sw 24	936	.	.	.	.	Cr	Cr	Cr	Cr	Cy
12	sw 12	sw 18	sw 18	sw 18	sw 25	425	.02	T	.	.02	LS	Cr	Cr	Cr	Cr
13	sw 31	sw 36	w 44	w 17	sw 14	677	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	NE 14	NE 4	NE 1	NW 1	NW 1	206	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	NW 2	NW 4	NW 1	w 2	w 6	65	.	.	.	.	Cr	Cr	Cr	Cy	Cr
16	sw 4	sw 10	sw 4	sw 6	sw 6	177	.	.	.	.	Cy	Cr	Cy	Cy	Cy
17	sw 12	sw 40	sw 38	sw 30	sw 46	643	.	.	.	.	Cy	F	Cy	Cy	Cy
18	sw 24	sw 24	sw 28	sw 30	sw 19	703	.03	.02	.	.05	LS	Cy	Cr	Cr	Cr
19	sw 12	sw 12	sw 42	w 18	sw 14	399	.	.	.02	.02	Cr	Cr	Cr	LS	LS
20	NE 8	NW 28	NW 24	NE 40	NE 52	564	.07	.05	.	.12	LS	F	Cr	Cr	Cr
21	NW 12	w 9	sw 26	sw 23	w 15	545	.	.	.01	.01	Cr	F	F	LS	LS
22	NE 24	N 32	N 28	NW 16	NW 17	512	.02	.	.	.02	Cr	Cr	Cr	Cr	Cr
23	sw 20	w 20	w 32	w 20	w 14	461	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	sw 26	w 24	w 6	w 21	w 27	423	.	.	.	.	Cr	Cy	Cr	Cr	F
25	NW 32	NE 15	SE 2	sw 16	sw 22	514	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	sw 25	sw 34	w 36	sw 20	sw 28	684	.	.	.	.	Cr	Cy	Cr	Cy	Cy
27	sw 12	NW 11	NW 16	w 34	NW 28	510	.	.	.	.	Cr	Cy	F	Cy	Cy
28	NW 40	NW 40	NW 47	NW 36	NW 44	853	.	.	.	.	Cy	F	F	F	Cy
Mean	20	24	24	22	23	14257	.26	.07	.03	.36					

REMARKS.

Feb. 18. Snow, B. D. N.; E. 8.30 A.M.

Feb. 19. Snow, B. 5.05 P.M.; E. 6.00 A.M. of 20th.

FEBRUARY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	s 8	s 6 sw	L. Haze	s 2 w	s 5 w
2	0	0	0	0	0	0	0	0	0	0
3	CS 1	CS 2	0	0	CS 7	0	0	0	0	0
4	CS 3 w	CS 7 w	CS 6	CS 6	CS 6	0	0	0	0	0
5	0	c 3	CS 8 w	CS 4	CS 3	0	0	0	0	0
6	0	0	c 1	CS 7 sw	CS 8 ?	0	0	K 1	0	0
7	0	0	0	0	0	s 1	0	0	0	0
8	0	0	CS 3 w	CS 1	0	0	0	0	0	0
9	0	0	CS 2	0	0	0	0	0	0	0
10	CS 2	CS 3	CS 1	CS 1	0	0	0	0	0	0
11	0	0	CS 1	K 1	Hidden	0	0	0	0	s 10 sw
12	Hidden	0	0	K 1	0	N 10	0	0	s 1 w	0
13	0	CS 3 w	0	0	0	0	0	s 2 w	KS 1	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	CS 9	0	0	0	0	0	0
16	CS 8	CS 2	CS 9	Hidden	Hidden	0	0	0	s 10 sw	s 10 ?
17	Hidden	c 2 sw	0	0	L. Haze	s 10 sw	s 2 sw	s 8 sw	s 8 sw	s 8 sw
18	Hidden	Hidden	CS 1	CS 1	0	N 10 sw	s 10 sw	0	0	s 1
19	0	0	K 1 sw	Hidden	Hidden	s 3	s 2 sw	0	N 10 sw	N 10 sw
20	Hidden	0	0	0	0	N 10 NE	s 4	KS 3 NW	KS 1	0
21	0	CS 4	c 3 sw	Hidden	Hidden	0	0	s 3	N 10	N 10 ?
22	0	c 1	0	0	0	s 2	0	0	0	0
23	0	CS 1	0	0	0	0	0	{L. Haze}	s 1 w	s 1
24	0	c 4	CS 1	0	CS 5 w?	s 1	s 4	{s 1 w}	s 2	0
25	0	CS 1	CS 1	c 1	0	s 2	L. Haze	L. Haze	L. Haze	0
26	0	Hidden	CS 1	c 2	Hidden	0	s 10 sw	K 2 w	KS 8 sw	s 10 sw
27	0	Hidden	CS 3 NW	0	Hidden	KS 3	s 10 NW	K 4	KS 8 NW	s 10 NW
28	0	c 1 NW	CS 6 NW	c 2 NW	c 2 NW	s 9	s 3 NW	K 1	{K 1 NW}	{s 1 NW}

REMARKS.

Feb. 21. Snow, B. 8.40 p.m.; E. D. N.

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MARCH, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.53	.59	.63	.65	.72	.63	10	12	19	17	13	14	21	6	87	87	80	76	87
2	.69	.73	.73	.72	.74	.72	13	19	22	19	15	16	22	11	76	70	76	70	76
3	.64	.63	.60	.55	.46	.56	14	16	22	20	14	16	23	12	76	76	73	80	93
4	.37	.43	.40	.41	.41	.40	4	5	9	3	- 3	3	10	- 3	100	69	80	83	79
5	.53	.35	.34	.36	.38	.42	- 6	- 6	0	- 2	- 9	- 5	0	- 10	100	100	100	100	100
6	.30	.35	.38	.40	.44	.37	- 19	- 15	- 8	- 12	- 12	- 13	- 8	- 22	100	81	86	84	100
7	.39	.39	.40	.39	.41	.40	- 20	- 16	- 6	- 6	- 9	- 12	- 6	- 24	72	100	100	87	100
8	.34	.38	.38	.39	.40	.37	- 10	- 3	- 2	- 4	- 2	- 4	0	- 14	86	89	79	68	79
9	.37	.39	.37	.40	.46	.40	- 2	1	0	- 1	- 5	- 2	3	- 5	79	100	100	100	100
10	.50	.56	.53	.56	.52	.52	- 6	- 1	4	4	4	1	5	- 10	100	89	100	91	91
11	.52	.55	.58	.60	.61	.57	2	5	12	10	5	6	12	0	91	83	74	65	69
12	.53	.57	.60	.63	.68	.60	4	4	11	10	5	6	12	2	83	83	73	73	83
13	.63	.66	.62	.58	.48	.58	6	12	18	16	12	12	19	4	83	87	74	71	70
14	.43	.50	.57	.64	.65	.55	12	4	14	12	8	11	14	0	70	83	70	76	76
15	.68	.73	.73	.71	.72	.71	6	11	16	16	12	12	18	4	76	73	67	67	58
16	.63	.65	.60	.61	.51	.58	8	13	20	16	14	14	20	6	71	58	61	67	81
17	.92	.26	.87	.84	.84	.88	13	13	18	16	12	14	18	10	87	76	80	76	81
18	.46	.48	.47	.48	.48	.47	6	4	9	8	4	7	9	4	100	100	100	100	100
19	.41	.40	.40	.37	.32	.38	5	6	12	12	9	9	14	2	100	83	100	81	87
20	.32	.29	.40	.43	.50	.40	- 3	- 4	- 3	- 6	- 9	- 5	- 2	- 15	100	79	100	75	74
21	.62	.70	.80	.83	.88	.77	- 3	6	9	11	10	5	13	- 12	79	54	48	61	60
22	.77	.90	.87	.87	.88	.84	10	15	22	16	12	15	24	4	48	44	44	76	64
23	.87	.89	.90	.90	.93	.90	6	16	22	20	14	14	23	6	69	67	53	74	76
24	.87	.86	.78	.72	.66	.77	13	17	25	23	16	18	26	10	55	58	73	73	67
25	.44	.49	.52	.49	.48	.48	12	14	23	20	14	16	25	9	62	65	68	61	81
26	.37	.26	.35	.36	.42	.38	8	9	12	4	1	7	15	0	78	100	100	100	100
27	.48	.54	.58	.58	.58	.55	- 5	- 2	6	10	7	3	10	- 7	100	89	69	87	76
28	.53	.58	.60	.59	.58	.57	8	14	20	18	15	14	21	- 1	83	65	80	70	76
29	.57	.66	.76	.80	.86	.73	13	14	22	23	18	18	25	9	87	87	76	86	70
30	.86	.91	.94	.95	.98	.93	16	19	25	28	19	20	29	14	67	65	73	88	91
31	.93	.94	.94	.92	.92	.93	18	23	31	31	23	24	33	16	73	73	78	85	92
Mean	.56	.60	.60	.60	.61	.59	4.3	7.3	13.0	11.4	7.3	8.2	14.5	0.1	82	78	78	79	82

REMARKS.

March 3. Snow, B. 9.00 P.M.; E. D. N.
5. " B. D. N.; E. 8.00 A.M. of 6th.

March 6. Snow, B. 8.00 P.M.; E. D. N.
9. " B. 9.30 A.M.; E. 7.00 P.M.

MARCH, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	NW 52	NW 50	W 36	NW 26	NW 18	923	.	.	.	.	Cr	F	F	Cy	Cr
2	SW 32	SW 28	SW 32	SW 36	SW 36	696	.	.	.	.	F	Cr	Cr	Cr	Cr
3	SW 52	SW 56	SW 38	SW 28	SW 26	993	.	.	T	T	F	Cr	Cr	F	LS
4	SW 16	SW 20	SW 28	SW 28	SW 22	668	.01	.	.	.01	Cy	Cr	F	Cy	Cr
5	SW 16	SW 10	SW 16	SW 6	SE 13	331	.03	.01	.02	.06	LS	LS	LS	LS	LS
6	SE 28	SW 22	SW 12	SW 12	SE 8	409	.04	.02	.01	.07	LS	Cy	Cy	F	LS
7	s 20	s 40	SW 10	SW 13	SW 10	421	.02	.	.	.02	F	Cy	Cy	Cy	Cr
8	SW 36	w 4	NW 6	N 13	N 12	376	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	w 12	SW 12	SW 20	w 16	SW 18	281	.	.03	.02	.05	Cr	Fy	LS	LS	F
10	SW 32	SW 33	SW 46	SW 40	SW 56	815	.01	.	.	.01	Cy	Cr	F	Cy	F
11	SW 42	SW 40	SW 28	SW 22	SW 36	891	.	.	.	.	Cy	Cy	F	Cy	Cr
12	SW 40	w 40	w 28	w 30	w 18	807	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	SW 40	SW 40	SW 28	SW 32	SW 34	759	.	.	.	.	Cr	Cr	F	Cy	Cr
14	SW 40	SW 20	SW 18	SW 26	SW 44	738	.	.	.	.	Cr	F	Cr	Cr	Cr
15	SW 44	SW 32	SW 32	SW 20	SW 28	832	.	.	.	.	Cr	Cr	F	Cr	Cr
16	SW 30	SW 36	SW 42	SW 28	SW 58	770	.	.	.	.	Cr	F	Cy	Cy	Cr
17	SW 42	s 30	SW 34	SW 16	SW 18	718	.	.	.	.	F	Cy	Cy	Cy	F
18	SW 8	SW 6	SW 21	SW 12	SW 16	342	T	.20	.	.20	LS	Cy	Cy	Cy	Cr
19	SW 12	SW 38	SW 23	w 24	w 22	620	.	.	.	.	Cy	Cr	Cy	F	Cy
20	SW 42	w 48	w 32	w 52	N 92	959	.	.	.	.	Cy	Cr	Cy	Cr	Cr
21	NW 48	NE 21	NW 32	NW 8	NW 11	687	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	w 12	NW 4	SW 14	NW 11	NW 8	283	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	0	SW 4	SW 8	w 12	w 7	138	.	.	.	.	Cr	Cr	Cr	F	Cr
24	w 18	w 12	SW 30	SW 28	SW 32	500	.	.	.	.	Cr	Cr	Cr	Cr	Cr
25	SW 60	SW 48	SW 23	SW 22	SW 20	865	.	.	.	.	Cr	Cy	Cy	F	Cy
26	SW 24	NW 20	NW 4	NE 17	NE 28	406	.	.10	1.22	1.32	F	Cy	HS	HS	HS
27	NE 24	NE 14	NW 30	NW 28	N 38	600	.91	.	.	.91	Cr	Cr	Cr	Cr	Cr
28	NW 46	NW 45	w 36	NW 46	NW 58	1133	.	.	.	.	Cr	F	Cy	Cy	Cr
29	NW 52	w 48	w 28	w 26	NW 14	965	.	.	.	.	F	Cy	Cy	Cy	Cy
30	NW 20	N 12	N 4	w 14	SW 4	310	.	.	.	.	Cr	F	Cr	Cr	Cr
31	SW 22	w 13	SW 11	SW 10	s 15	316	.	.	.	.	Cr	Cr	Cr	F	Cr
Mean	31	28	25	23	26	19552	1.02	.36	1.27	2.65					

REMARKS.

March 10. Snow, B. D. N.; E. D. N.

March 18. Snow, B. D. N.; E. 11.30 A.M.

MARCH, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	cs 5 w	cs 6 w	c 1 w	0	s 1	s 2 NW	0	s 7 w	s 1
2	0	c 1 sw	cs 1	0	0	s 4	0	L. Haze	{L. Haze } {s 1 sw }	L. Haze
3	cs 2 sw	c 1 sw	cs 2 sw	0	Hidden	s 4	s 1 sw	L. Haze	ks 5 sw	N 10 sw
4	Hidden	0	0	0	0	s 10 sw	s 1 sw	ks 5 sw	ks 8 sw	s 1 sw
5	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 sw	N 10	N 10 sw	N 10	N 10
6	Hidden	Hidden	Hidden	0	Hidden	N 10 SE	s 10 sw	s 10 sw	s 4 sw	N 10
7	0	Hidden	0	0	0	s 4 s	s 10 s	s 9 sw	s 8 sw	0
8	0	0	0	0	0	s 2	0	0	0	0
9	0	Hidden	Hidden	Hidden	0	0	D. Fog	N 10 sw	N 10	s 5 sw
10	0	cs 2 w	0	c 1 w	0	s 9 sw	0	s 6 sw	{ks 1 sw } {s 8 sw }	s 5 ?
11	0	{c 2 w } {cs 4 w }	c 2 sw	c 7 w	0	s 8 sw	s 4 sw	s 5	s 3 w	s 3 ?
12	0	0	k 1 w	0	0	s 1	k 1 w	0	0	0
13	0	cs 2 sw	k 3 sw	Hidden	0	0	0	s 2 sw	s 10 w	0
14	0	0	0	0	0	s 1 sw	s 4 sw	s 3 sw	0	0
15	0	0	cs 4 sw	0	0	s 2	L. Haze	0	L. Haze	0
16	0	cs 4 sw	cs 4 sw	Hidden	0	0	0	s 5 sw	s 10 sw	s 2 sw
17	0	c 6 w	cs 8 w	cs 5 w	cs 3	s 5 sw	s 2 s	s 1 sw	s 4 sw	0
18	Hidden	Hidden	Hidden	Hidden	0	N 10 sw	s 10 sw	s 10 sw	s 10 sw	s 2 sw
19	Hidden	0	Hidden	k 2 w	cs 4 NW	s 10 sw	s 2 sw	ks 10 sw	s 2 w	s 4 w
20	Hidden	0	k 2	L. Haze	0	s 10 sw	s 2 sw	s 6 w	s 2 w	0
21	0	0	0	0	0	0	L. Haze	L. Haze	D. Haze	D. Haze
22	0	0	0	c 3 NW	0	0	0	L. Haze	L. Haze	0
23	0	0	0	cs 2	0	0	0	0	s 2 w	0
24	0	0	0	0	0	0	0	L. Haze	0	0
25	0	cs 9 sw	{cs 1 sw } {k 1 sw }	{cs 3 sw } {k 1 }	cs 7 sw	s 1	0	ks 8 sw	s 3 sw	s 1 sw
26	0	Hidden	Hidden	Hidden	Hidden	s 6	s 10 NW	N 10 NW	N 10 NE	N 10 NE
27	0	0	0	cs 2	0	0	0	s 1	0	s 2 NW
28	0	cs 4 w	0	s 8 NW	0	s 3 NW	0	s 9 w	0	s 3 NW
29	0	cs 3 w	c 6 w	c 5 w	c 5 w	s 6	s 7 w	k 4 w	s 5 w	s 5 w
30	0	cs 4 w	cs 1 N	cs 1 w	0	0	0	0	0	0
31	0	0	0	0	0	0	0	L. Haze	ks 6 w	0

REMARKS.

March 26. Snow, B. 6.05 A.M.; E. 7.30 A.M.

March 26. Snow, B. 11.15 A.M.; E. D. N.

APRIL, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.90	.88	.88	.86	.89	.89	20	28	34	30	24	26	34	18	61	59	65	61	80
2	.86	.90	.88	.85	.82	.86	19	28	34	31	25	26	36	18	80	45	53	50	67
3	.73	.76	.78	.77	.78	.76	20	25	24	24	20	22	27	19	70	70	92	92	86
4	.65	.62	.56	.55	.55	.58	20	20	22	16	9	17	22	9	96	100	100	76	87
5	.48	.49	.48	.55	.56	.51	5	9	11	14	13	10	14	4	83	73	100	87	87
6	.50	.57	.51	.46	.42	.48	10	15	22	22	15	16	22	8	87	87	76	85	87
7	.34	.33	.31	.32	.28	.31	10	10	14	4	1	8	15	- 1	100	87	87	100	100
8	.26	.35	.47	.53	.57	.43	0	2	12	12	8	7	14	- 2	100	100	76	74	69
9	.64	.69	.68	.67	.66	.66	15	20	28	24	15	19	28	7	56	43	75	80	87
10	.57	.57	.55	.51	.48	.53	14	19	26	24	16	19	27	12	64	61	84	68	100
11	.30	.29	.36	.42	.46	.38	9	4	8	6	0	6	16	- 1	100	100	100	100	83
12	.47	.49	.48	.51	.54	.50	- 1	7	14	8	4	6	14	- 3	62	83	100	100	83
13	.52	.54	.53	.52	.54	.53	- 2	5	4	4	- 1	1	7	- 2	79	83	83	83	79
14	.53	.57	.57	.59	.60	.57	- 2	4	12	4	1	4	13	- 4	89	100	100	100	83
15	.53	.57	.58	.56	.57	.56	- 3	3	12	12	10	6	15	- 5	89	91	76	76	73
16	.58	.58	.55	.51	.49	.54	8	20	20	17	10	13	22	6	69	61	70	87	87
17	.41	.37	.33	.36	.42	.39	5	7	10	7	8	8	13	4	91	100	100	100	100
18	.39	.47	.53	.57	.59	.50	4	6	10	10	8	8	12	3	100	100	100	100	100
19	.53	.54	.57	.60	.56	.55	4	9	13	15	12	10	15	2	83	87	87	93	70
20	.47	.46	.44	.42	.40	.44	9	14	18	14	10	12	20	8	73	87	80	87	87
21	.37	.38	.39	.44	.47	.41	8	3	5	4	2	5	10	2	100	100	100	100	100
22	.44	.51	.56	.61	.62	.54	- 2	6	13	16	12	8	13	- 5	89	47	58	67	76
23	.62	.65	.65	.64	.62	.63	14	18	24	22	17	18	24	9	87	80	86	80	87
24	.56	.64	.66	.67	.65	.62	12	18	24	26	19	18	27	11	100	83	73	84	91
25	.59	.65	.71	.72	.76	.69	14	19	26	24	18	19	26	14	81	80	67	80	83
26	.72	.76	.79	.82	.82	.77	14	20	28	26	21	21	29	11	53	70	75	84	80
27	.77	.82	.83	.83	.85	.82	19	25	32	26	22	24	32	17	61	56	57	67	80
28	.80	.84	.83	.84	.86	.83	15	22	21	21	16	17	25	14	87	100	100	91	100
29	.82	.83	.82	.84	.84	.83	14	16	18	19	16	16	19	12	100	100	100	80	56
30	.76	.80	.78	.77	.80	.78	14	18	22	23	17	18	26	13	53	70	86	92	94
Mean	.57	.60	.60	.61	.62	.60	9.5	14.0	18.6	16.9	12.3	13.5	20.6	6.6	81	80	84	84	85

REMARKS.

April 3. Snow, B. 11.55 A.M.; E. 4.30 P.M.

4. { Snow, B. D.N.; E. 8.00 A.M.
" B. 7.00 P.M.; E. 8.00 P.M.

April 5. Snow, B. 11.30 A.M.; E. 3.10 P.M.

7. " B. 4.00 P.M.; E. D.N.
10. " B. 8.15 P.M.; E. 2.30 P.M. of 11th.

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APRIL, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	SW 28	SW 8	SW 10	W 8	0	329	.	.	.	.	Cr	F	Cy	Cy	Cy
2	SW 9	SW 8	SW 12	SW 16	SW 28	238	.	.	.	.	Cr	Cr	Cy	Cy	Cy
3	SW 32	SW 32	SW 17	SW 22	SW 10	717	.	T	.02	.02	Cy	Cy	LS	Cy	Cr
4	SE 20	SE 12	SE 28	SW 22	SW 18	372	.04	.01	T	.05	LS	Fy	Fy	Cy	F
5	NW 16	NW 16	NW 32	NW 32	W 28	578	.	.01	.04	.05	Cr	F	LS	Cy	Cy
6	W 24	SW 37	SW 36	SE 30	SW 40	751	.	.	.	.	Cr	Cr	Cy	Cy	Cy
7	SW 16	S 10	SW 20	SW 24	NW 40	641	.	.	.02	.02	Fy	F	Cy	LS	LS
8	NW 40	NW 36	NW 34	NW 41	NW 48	893	.03	.	.	.03	Fy	Cy	Cr	Cr	Cr
9	NW 28	SW 18	SW 22	SW 24	SW 28	695	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	SW 36	SW 36	SW 34	SW 36	SW 36	821	.	.	.01	.01	F	F	Cy	Cy	LS
11	SW 14	NW 34	NW 26	SW 21	NW 16	591	.07	.09	.02	.18	HS	HS	LS	Cy	Cr
12	NW 16	NW 2	SW 7	SW 11	SW 12	317	.	.03	.39	.42	Cr	Cy	HS	LS	Cr
13	NW 8	NW 1	NW 7	NW 4	NW 4	108	.	.	.	.	Cr	Cr	Cr	F	Cr
14	NW 6	NW 2	SW 6	SW 8	NW 10	150	.	.02	.01	.03	F	LS	LS	F	Cr
15	NW 11	NW 6	N 3	NW 14	SW 31	314	.	.	.	.	Cr	Cr	Cr	F	Cr
16	SW 13	SW 4	S 23	S 20	SW 34	465	.	.	.04	.04	Cr	F	Cy	LS	Cy
17	S 12	W 9	W 32	NW 44	NW 36	588	.	.05	.19	.24	F	LS	LS	HS	Cy
18	N 36	NW 34	NE 16	NW 10	W 22	603	.	.	.04	.04	Cy	Cy	Fy	LS	Cy
19	NW 32	W 40	W 38	W 26	SW 48	726	.	.	.	.	Cr	F	F	Cy	Cr
20	SW 52	SW 44	SW 46	SW 33	SW 47	1126	.	.	.	.	Cr	F	Cy	F	F
21	SW 5	N 15	NE 10	N 20	NW 14	358	.15	.10	.05	.30	Cy	HS	LS	LS	Cr
22	NW 12	N 10	NW 20	W 21	NW 28	432	.	.	.	.	Cr	Cr	Cr	F	Cr
23	W 35	W 44	SW 34	SW 37	SW 50	882	.	.	.	.	Cr	Cr	Cr	F	Cr
24	SW 46	SW 26	SW 34	SW 25	SW 48	904	.	.	.	.	Cr	Cr	F	F	Cr
25	SW 54	W 50	W 38	SW 34	W 25	1062	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	SW 40	SW 36	W 24	SW 18	W 19	645	.	.	.	.	Cr	Cr	Cr	Cy	Cr
27	W 34	SW 22	SW 13	SW 12	S 12	543	.	.	T	T	Cr	Cr	Cy	Cy	Cy
28	SW 20	NW 4	NW 6	SW 16	SW 11	307	.10	.05	.16	.31	F	Cy	LS	Fy	LS
29	SW 24	W 20	NW 20	NW 18	NW 26	387	.05	.	.	.05	Fy	Fy	Fy	Cr	Cr
30	NW 28	NW 10	SW 6	SW 6	SW 10	395	.	.	T	T	Cr	Cr	Cy	Cy	Fy
Mean	25	21	22	22	26	16938	.44	.36	.99	1.79					

REMARKS.

April 12. Snow, B. 11.15 A.M.; E. 7.20 P.M.
 14. " B. 8.30 A.M.; E. 2.15 P.M.
 16. " B. 2.10 P.M.; E. 7.40 P.M.

April 17. Snow, B. 7.20 A.M.; E. 7.50 P.M.
 18. " B. 4.35 P.M.; E. 8.40 P.M.
 21. " B. D.N.; E. D.N.

APRIL, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	cs 3	c 6	0	0	Hidden	0	0	KS 8 SW	KS 8 W	s 10
2	0	K 1 SW	c 1	Hidden	Hidden	0	0	KS 9 W	s 10 W	s 10 ?
3	Hidden	0	Hidden	Hidden	c 1 SW	KS 10 SW	{KS 5 SW S 5 SW}	N 10 SW	s 10 SW	s 1 SW
4	Hidden	Hidden	Hidden	Hidden	0	N 10 SE	D. Fog	D. Fog	s 10 SW	s 4 SW
5	0	0	Hidden	{c 3 NW K 3 NW}	0	s 3	s 4 NW	N 10 NW	K 5 NW	s 8 W
6	0	0	0	Hidden	Hidden	s 3 W	K 1	KS 9 SW	s 10 SE	s 10
7	Hidden	0	Hidden	Hidden	Hidden	D. Fog	KS 4 S	s 10 SW	N 10 SW	N 10 NW
8	Hidden	Hidden	cs 3 NW	0	0	D. Fog	s 10 NW	0	0	0
9	0	0	0	0	0	0	0	0	KS 3	s 1
10	0	cs 2 SW	c 4 SW	{c 3 SW cs 3 SW}	Hidden	s 4	s 4	KS 6 SW	s 4 SW	N 10 SW
11	Hidden	Hidden	Hidden	Hidden	0	N 10 SW	N 10 NW	N 10 NW	s 10 SW	0
12	0	{cs 3 K 1}	Hidden	Hidden	0	0	s 4 N	N 10	N 10 SW	s 1
13	0	0	0	cs 4	0	s 1	s 2 NE	{s 1 K 1}	0	s 1
14	0	Hidden	Hidden	0	0	s 6 NW	N 10 NW	N 10 SW	s 4 SW	0
15	0	0	K 2	0	cs 1	0	0	s 1 W	KS 5 NW	0
16	cs 1	cs 6	Hidden	Hidden	cs 10 ?	0	0	KS 10 S	N 10 S	0
17	cs 4 W	Hidden	Hidden	Hidden	cs 2	0	N 10 W	N 10 W	N 10 NW	s 6 NW
18	Hidden	Hidden	Hidden	Hidden	0	s 10 N	s 10 NW	D. Fog	N 10 NW	s 8 W
19	0	0	K 3	0	cs 1	0	K 4	s 1 W	{KS 4 S 6 W}	0
20	0	cs 3 SW	Hidden	cs 1 SW	0	0	s 4 SW	s 10 SW	{s 2 SW K 1 SW}	s 5 SW
21	Hidden	Hidden	Hidden	Hidden	0	s 10	N 10	N 10 N	N 10	0
22	0	0	0	cs 7 W	0	s 1	s 1	0	0	0
23	0	0	0	cs 1 SW	cs 2 SW ?	0	0	KS 2 SW	K 3 SW	0
24	0	0	K 6 SW	K 5 SW	cs 1 SW	D. Haze	K 1 SW	0	0	0
25	0	0	0	0	0	D. Haze	0	0	0	0
26	0	0	K 2 W	0	cs 1 W	0	0	L. Haze	s 9 W	0
27	0	0	K 1 W	K 1 W	Hidden	L. Haze	L. Haze	s 9 W	s 9 W	s 10 W
28	0	Hidden	Hidden	Hidden	Hidden	s 4 W	s 10 W	N 10	D. Fog	N 10
29	Hidden	Hidden	Hidden	c 1	c 1	D. Fog	D. Fog	D. Fog	0	0
30	cs 3	{c 1 W cs 2 W}	Hidden	Hidden	Hidden	0	0	{KS 1 SW S 9 SW}	KS 10 W	D. Fog

REMARKS.

April 21. Snow, B. 5.20 A.M.; E. 8.00 P.M.
 27. " B. 3.45 P.M.; E. 4.10 P.M.
 28. " B. D.N.; E. D.N.

April 28. { Sleet & Snow, B. 10.55 A.M.; E. 4.00 P.M.
 { Snow, B. 7.00 P.M.; E. D.N.
 30. Snow, B. 3.45 P.M.; E. 4.05 P.M.

MAY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.75	.78	.81	.83	.85	.80	16	21	29	27	22	22	29	14	87	80	92	92	91
2	.80	.82	.83	.82	.84	.82	21	22	30	30	26	25	30	20	96	100	100	92	86
3	.80	.83	.83	.80	.78	.80	22	27	35	29	25	27	35	20	85	84	49	54	67
4	.69	.71	.66	.72	.62	.66	19	25	28	27	21	23	29	18	70	73	67	67	53
5	.66	.66	.62	.61	.62	.63	15	22	20	22	19	18	24	14	67	80	100	96	100
6	.56	.52	.51	.50	.48	.52	19	20	24	20	16	20	25	16	100	100	92	100	100
7	.44	.44	.38	.34	.30	.38	15	19	20	15	15	16	22	11	100	100	100	100	100
8	.28	.40	.36	.41	.35	.33	16	16	17	16	12	15	18	11	100	100	100	100	100
9	.46	.52	.51	.58	.53	.50	10	13	20	15	12	14	22	8	100	100	100	100	100
10	.62	.66	.69	.74	.68	.66	7	9	15	15	10	11	16	5	100	87	87	87	87
11	.83	.78	.82	.83	.74	.80	12	15	24	22	17	18	26	10	87	73	88	100	87
12	.78	.78	.80	.81	.83	.80	17	20	28	28	26	24	30	14	76	85	75	84	73
13	.76	.78	.75	.74	.75	.76	24	28	30	28	22	25	33	21	64	84	66	77	76
14	.72	.72	.72	.71	.74	.72	18	24	27	24	22	22	27	16	80	73	84	86	100
15	.70	.75	.76	.77	.80	.76	16	24	28	29	20	22	30	15	71	73	67	77	100
16	.81	.84	.82	.78	.80	.81	16	30	28	28	24	22	32	14	76	84	67	100	73
17	.81	.83	.82	.79	.82	.82	22	29	30	26	24	25	32	20	62	61	68	100	80
18	.80	.82	.83	.81	.73	.79	18	24	31	31	26	25	33	17	80	73	57	57	67
19	.65	.66	.68	.66	.68	.67	22	28	29	26	17	23	33	16	73	59	61	100	87
20	.64	.65	.68	.70	.72	.68	6	8	14	8	6	9	17	5	100	78	100	100	100
21	.74	.74	.72	.73	.65	.70	6	14	10	16	12	10	17	4	100	70	78	87	87
22	.68	.68	.75	.74	.76	.73	9	12	22	22	17	16	25	8	87	87	91	80	87
23	.76	.80	.78	.77	.70	.74	17	23	26	25	23	22	28	15	87	80	79	92	80
24	.77	.82	.86	.83	.82	.82	21	28	30	28	24	25	33	19	61	84	85	90	100
25	.76	.77	.76	.79	.75	.76	20	27	28	30	23	24	31	19	93	84	77	78	80
26	.66	.63	.62	.60	.62	.63	19	21	20	16	17	19	26	16	80	91	91	100	100
27	.60	.65	.72	.74	.74	.68	14	14	22	21	18	18	24	13	100	100	100	91	91
28	.74	.77	.76	.75	.77	.76	17	21	26	22	22	22	28	16	76	80	100	100	100
29	.71	.74	.75	.72	.75	.74	17	20	24	22	16	19	25	14	87	100	100	100	87
30	.74	.73	.74	.75	.78	.75	16	19	20	20	16	17	23	14	100	100	100	96	100
31	.78	.80	.84	.83	.85	.82	14	20	24	21	20	19	24	12	76	96	86	96	96
Mean	.69	.71	.72	.72	.70	.70	16.1	20.7	24.4	22.9	19.1	19.9	26.6	14.0	85	84	84	90	88

REMARKS.

May 1. Sleet, B. D. N. At intervals. E. D. N.
 2. } Snow, B. D. N.; E. D. N.
 { Sleet, B. 1.25 P.M.; E. 3.00 P.M.
 5. Sleet, B. 9.30 A.M.; E. 3.20 P.M.

May 6. { Sleet, B. D. N.; E. D. N.
 { " B. 6.15 A.M. At intervals. E. 11.30 A.M.
 { Snow, B. 2.30 P.M.; E. D. N. of 7th.
 8. Snow, B. 9.45 A.M.; E. D. N.

MAY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	SW 12	NW 24	W 15	W 12	SW 20	363	.01	.	.	.01	Cr	Cr	Cy	F	Cy	
2	SW 18	W 36	W 20	SW 22	SW 20	544	.03	.	.02	.05	Cy	Cy	Cy	F	Cr	
3	SW 34	SW 23	SW 8	SW 16	SW 25	555	.	.	.	.	F	Cy	Cy	Cy	Cy
4	SW 18	SW 18	SW 6	NW 7	NW 14	376	.	.	.	.	Cy	Cy	Cy	Cy	Cy
5	SW 7	SE 10	SE 28	S 28	S 18	384	.	.05	.05	.10	Cr	Cy	HSl	Fy	Fy	
6	SE 10	E 12	SE 20	E 18	S 29	400	.09	.12	.13	.34	Fy	Lsl	F	LS	LS	
7	SE 4	SE 16	E 14	E 30	E 28	391	.08	.12	3.20	3.40	LS	Fy	Fy	HS	HS	
8	W 40	NW 28	N 18	NW 12	N 36	521	.66	.45	.40	1.51	Fy	Fy	HS	HS	HS	
9	NE 25	N 23	NW 12	NW 12	N 12	475	.70	.05	1.05	1.80	F	Fy	LS	LS	HS	
10	NW 12	NW 16	NW 11	NW 26	NW 32	421	.85	.	.	.85	Fy	F	F	Cy	Cr	
11	NE 44	NE 30	NW 9	NW 14	NW 12	455	.	.	T	T	Cr	Cr	Cr	LS	Cr	
12	N 40	N 32	W 18	NW 16	NW 21	605	.	.	.	.	Cr	Cr	Cr	F	Cr
13	NW 28	W 17	SW 15	SW 14	W 20	519	.	.	.	.	Cr	Cr	Cy	Cy	Cr
14	SW 26	SW 28	SW 30	SW 26	SW 16	678	.	.	T	T	Cr	Cr	Cr	F	Fy	
15	SW 34	SW 12	SW 20	SE 14	S 22	523	.01	.	.	.01	Cr	Cr	F	Fy	Cy	
16	SW 8	SW 22	SW 28	SW 36	SW 24	426	.	.	.	.	Cr	F	Cy	Fy	Cr
17	SW 17	SW 19	SW 30	SW 24	SW 25	596	.	.	.03	.03	Cr	Cy	Cy	Lsl	LS	
18	W 24	NW 17	SW 19	W 18	W 36	492	T	.	.	T	Cr	Cr	Cy	Cy	Cr	
19	SW 54	W 34	SW 38	SW 28	SW 19	893	.	.	.	.	F	Cr	Cy	Fy	Fy
20	SW 12	W 16	NW 6	NE 13	NE 7	246	.11	T	.25	.36	LS	F	Fy	LS	LS	
21	SW 16	SW 14	SW 31	SW 15	W 10	322	.30	.03	.14	.47	HS	F	Cr	LS	LS	
22	W 50	W 40	NW 23	SW 25	SW 24	730	.04	.	.	.04	Cr	Cr	Cy	Cy	Cr	
23	W 18	SW 28	SW 40	SW 31	SW 32	683	.	.	.	.	Cr	Cr	F	Cy	Cr
24	SW 28	SW 12	S 20	SE 19	S 17	553	.	.	.	.	Cr	F	Cr	Cy	Fy
25	SW 29	SW 28	SW 32	SW 26	SW 36	612	.	.	T	T	Cr	Cr	Cr	F	F	
26	W 3	SE 4	S 1	NW 18	N 15	334	.	.03	.04	.07	Cr	Cy	LS	LS	HS	
27	NW 28	NE 16	W 3	W 1	NW 12	276	.65	.81	.	1.46	HS	LS	Cy	F	Cr	
28	NW 16	NE 12	SW 7	SW 23	SW 20	353	.	.03	.06	.09	Cr	Cr	Fy	LS	LS	
29	N 16	N 25	NW 8	NW 28	NW 16	535	.35	.03	.02	.40	Cy	Fy	LS	Fy	Cy	
30	NW 8	NW 5	NW 4	NW 8	NW 6	154	.	.24	.45	.69	Fy	LS	Fy	LS	Fy	
31	NW 12	NE 8	N 6	NW 14	NW 32	301	.56	.	.10	.66	Cr	Fy	Cy	LS	Cr	
Mean	22	20	17	19	21	14716	4.44	1.96	5.94	12.34						

REMARKS.

May 9. Snow, B. 9.30 A.M.; E. D. N.
 11. " B. 4.30 P.M.; E. 5.10 P.M.
 14. " B. 5.30 P.M.; E. D. N.
 17. Sleet and Snow, B. 4.46 P.M.; E. D. N.

May 20. Snow, { B. D. N.; E. 5.40 A.M.
 { B. 1.30 P.M.; E. 6.00 A.M. of 21st.
 21. " B. 4.15 P.M.; E. D. N.
 25. Sleet, B. 7.00 P.M.; E. 7.05 P.M.

MAY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	c 2	0	L. Haze	0	KS 9 W	KS 4 W	KS 8 W
2	Hidden	Hidden	Hidden	0	0	{L. Fog s 10 w}	s 10 w	KS 10 W	KS 5 SW	0
3	cs 7 sw	Hidden	Hidden	Hidden	Hidden	0	s 10 SW	s 10 SW	s 10 SW	s 10 SW
4	0	c 2 w	K 2 w	0	0	s 8 SW	s 7 W	KS 6 W	KS 8 NW	s 8 NW
5	0	Hidden	Hidden	Hidden	Hidden	s 3	s 10 SE	N 10 SE	D. Fog	D. Fog
6	Hidden	Hidden	{K 1 CS 2}	Hidden	Hidden	D. Fog	N 10 E	s 4 SE	N 10 E	N 10 ?
7	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 SE	D. Fog	D. Fog	N 10 E	N 10 ?
8	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	N 10 N	N 10	N 10
9	0	Hidden	Hidden	Hidden	Hidden	s 4	D. Fog	N 10 NW	N 10 NW	N 10
10	Hidden	0	K 4 NW	Hidden	0	D. Fog	K 4 NW	0	s 10 NW	0
11	0	0	K 3 NW	Hidden	0	0	0	0	N 10 NE	0
12	0	0	0	K 1 NW	0	0	0	K 1 W	K 5	s 1 NW
13	0	cs 3	K 2	K 2	0	0	0	KS 8 SW	s 8 SW	0
14	0	0	K 1 SW	0	Hidden	0	L. Haze	L. Haze	KS 4 SW	L. Fog
15	0	0	0	Hidden	0	0	L. Haze	KS 5 SW	L. Fog	s 8 s?
16	0	cs 3	c 8 sw	Hidden	0	K 1	K 2 SW	K 1	D. Fog	K 3
17	c 2	cs 2 sw	Hidden	Hidden	0	0	{K 2 s 6 sw}	KS 10 SW	N 10 SW	s 5
18	0	0	0	K 2	0	s 1	0	KS 8 SW	KS 7 W	0
19	{c 4 CS 2}	cs 2	Hidden	Hidden	Hidden	L. Haze	K 1	KS 10 SW	D. Fog	D. Fog
20	Hidden	cs 6 w	Hidden	Hidden	Hidden	N 10 SW	K 1	D. Fog	N 10 NE	N 10
21	Hidden	K 5 SW	K 1 SW	Hidden	Hidden	N 10 SW	0	K 3 SW	N 10 SW	N 10 W?
22	cs 1 w	cs 1 w	K 1 w	Hidden	0	0	0	KS 8 W	s 10 SW	KS 1 SW
23	cs 1	{cs 1 sw c 1}	cs 2 SW	cs 1 SW	0	s 2 w	0	KS 3 SW	KS 8 SW	KS 1 W
24	cs 2	cs 4 SW	K 2 SW	Hidden	Hidden	s 1 SW	0	K 1 SW	KS 10 s	D. Fog
25	cs 3 SW	0	K 3 SW	K 5 SW	0	0	L. Haze	0	0	s 5 SW
26	0	Hidden	Hidden	Hidden	Hidden	s 1 w	s 10 SE	N 10 s	N 10 ?	N 10 ?
27	Hidden	Hidden	Hidden	cs 4 w	0	N 10 NW	N 10 NE	s 10 SW	0	s 1 NW
28	0	0	Hidden	Hidden	Hidden	s 2	K 2	D. Fog	N 10 SW	N 10 SW
29	{c 7 CS 2}	Hidden	Hidden	Hidden	{c 4 sw CS 2}	s 1 NW	D. Fog	N 10 w	D. Fog	s 4
30	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	N 10 N	D. Fog	N 10	D. Fog
31	0	Hidden	Hidden	Hidden	0	0	D. Fog	KS 10 NW	N 10 NW	s 1 NW

REMARKS.

May 26. Snow, B. 9.30 A.M.; E. 12.30 P.M. of 27th.
 { Sleet, B. 12.20 P.M.; E. 12.45 P.M.
 28. { Snow, B. 2.30 P.M.; E. D.N.
 29. Snow, B. 12.15 P.M.; E. 3.40 P.M.

May 30. Snow, { B. 8.05 A.M.; E. 12.45 P.M.
 { B. 2.05 P.M.; E. 5.25 P.M.
 31. " { B. D.N.; E. D.N.
 { B. 2.30 P.M.; E. 6.20 P.M.

JUNE, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.81	.79	.83	.81	.79	.81	22	23	26	26	25	24	29	18	85	92	96	92	92
2	.73	.73	.78	.76	.81	.78	24	20	24	19	16	21	26	15	100	100	86	100	100
3	.76	.80	.80	.82	.86	.81	14	18	23	24	22	20	25	2	100	100	100	96	100
4	.83	.83	.86	.87	.93	.87	19	24	28	26	23	23	29	18	91	92	100	92	100
5	.93	.93	.94	.93	.95	.94	22	25	28	25	23	24	30	21	80	92	92	80	100
6	.94	.96	.96	.94	.94	.95	22	26	33	32	27	27	35	19	80	78	68	81	84
7	.93	.94	.94	.92	.90	.92	27	33	31	30	29	29	37	24	67	78	92	88	100
8	.87	.86	.82	.79	.85	.84	26	30	30	29	27	28	32	24	100	96	96	100	100
9	.77	.78	.79	.76	.76	.78	26	30	34	32	28	29	34	24	92	80	88	81	96
10	.76	.79	.82	.82	.83	.80	23	28	28	30	26	26	32	21	80	92	92	92	92
11	.83	.84	.85	.82	.81	.83	24	26	30	30	26	27	32	23	100	92	88	92	84
12	.81	.79	.76	.71	.69	.75	21	27	30	26	23	25	32	19	73	74	88	89	100
13	.64	.73	.80	.84	.85	.76	19	22	27	28	25	24	30	18	100	100	92	100	92
14	.89	.93	.93	.90	.88	.90	24	29	33	32	30	29	34	22	76	77	78	78	84
15	.98	1.02	1.02	1.01	1.02	1.01	27	33	36	35	32	32	38	26	74	65	68	72	85
16	1.00	1.00	1.00	.97	1.01	1.00	31	35	40	36	32	35	41	29	85	66	62	69	80
17	.83	.83	.86	.85	.89	.86	27	32	37	38	33	32	40	26	84	78	75	70	71
18	.83	.87	.91	.88	.80	.84	28	33	40	34	32	33	42	27	77	65	54	82	100
19	.78	.75	.65	.68	.67	.70	30	29	28	26	21	26	33	21	100	96	88	92	91
20	.77	.81	.85	.88	.89	.84	22	29	34	35	30	29	37	18	85	84	69	69	78
21	.89	.88	.92	.93	.96	.92	28	32	38	38	31	32	39	26	77	78	58	56	62
22	.97	.99	1.00	1.00	1.00	.99	31	34	38	39	36	35	40	28	71	62	56	65	84
23	1.00	.99	1.01	1.00	1.01	1.01	33	36	42	45	37	38	46	31	65	66	65	53	49
24	.99	.99	1.00	.98	.98	.99	31	37	42	42	36	36	45	30	78	56	38	62	61
25	.90	.98	1.02	1.01	1.02	.98	32	37	44	43	36	37	46	30	71	49	36	39	69
26	1.00	1.01	1.04	1.03	1.05	1.03	33	38	44	46	38	38	46	30	78	65	47	58	85
27	1.03	1.06	1.06	1.04	1.02	1.04	37	45	46	37	34	39	47	30	64	47	60	100	92
28	.99	1.01	1.01	.98	1.01	1.01	36	42	46	42	38	40	46	32	69	55	44	76	85
29	.94	.96	.98	.97	.99	.97	34	40	44	38	32	37	46	32	100	86	74	100	100
30	.99	1.02	1.06	1.06	1.09	1.04	34	34	38	36	34	35	41	32	92	100	96	96	100
Mean	.88	.90	.91	.90	.91	.90	26.8	31.0	34.8	33.4	29.4	30.3	37.0	23.9	83	79	75	81	87

REMARKS.

June 1. Sleet, B. 11.55 A.M.; E. 12.15 P.M.
 { Snow, B. 7.15 A.M.; E. 11.20 A.M.
 2. { Sleet, B. 2.00 P.M.; E. 2.15 P.M.
 { Snow, B. 2.45 P.M.; E. 8.45 P.M.
 3. Sleet, B. 12.40 P.M.; E. 1.45 P.M.

June 3. Sleet, B. 5.20 P.M.; E. D.N.
 4. Snow, B. 12.15 P.M.; E. 2.00 P.M.
 5. { Snow, B. 7.00 A.M.; E. 4.00 P.M.
 { " B. 6.45 P.M.; E. 7.40 P.M.
 7. Snow, B. 11.05 A.M.; E. 1.10 P.M.

JUNE, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NW 38	NW 48	NW 16	NW 16	NW 37	693	.	.01	.	.01	Cy	Cy	Cy	Cy	Cy	
2	NW 18	NW 31	NW 11	NW 28	N 14	566	.	.05	.10	.15	Fy	LS	Cy	LS	Cy	
3	N 32	NE 20	NW 13	NW 15	NW 6	366	.	T	.07	.07	Fy	Fy	LS	Cy	LS	
4	NW 36	NW 20	NW 15	NW 17	NW 7	403	.03	.01	.01	.05	Cr	Cr	LS	Cy	Fy	
5	NW 26	w 19	w 6	N 9	N 4	312	.	.15	.15	.30	Cr	LS	LS	Cy	Fy	
6	NW 20	N 23	N 2	N 4	SW 6	243	.	.	.	.	Cr	Cr	F	Cy	F
7	0	N 2	NE 10	NE 6	s 20	100	.	.03	.24	.27	Cr	F	LS	HS	Fy	
8	s 17	s 12	s 23	SW 29	SW 13	455	.	.	.15	.15	Fy	Fy	Fy	LS	LS	
9	w 20	w 12	SW 12	s 26	s 5	359	T	.	.02	.02	Cy	F	Cy	F	Cy	
10	N 32	N 8	NE 4	s 18	s 18	347	.01	.08	.01	.10	Cy	Cy	LS	Fy	Fy	
11	s 6	s 16	SW 24	SW 26	SW 49	530	.19	T	.	.19	Fy	Cy	Cy	Fy	Cr	
12	SW 24	s 25	SE 4	s 22	w 22	609	.	.	.05	.05	Cr	F	Cy	Cy	HS	
13	NW 28	NW 20	w 10	SW 28	SW 27	507	.04	T	T	.04	LS	Fy	F	LS	F	
14	w 25	SW 32	SW 28	SW 28	SW 28	591	.	.	.	.	Cr	F	F	F	F
15	w 25	SW 25	SW 20	SW 26	SW 28	553	.	.	.	.	Cr	Cr	Cr	F	F
16	w 15	w 8	SW 10	SW 20	NW 13	340	.	.	.	.	Cy	Cr	Cy	Cy	Cr
17	w 52	w 44	w 35	w 32	NW 12	918	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	w 22	w 24	w 9	s 32	s 16	601	.	.	T	T	Cr	Cr	Cy	Cy	Fy	
19	SW 20	SW 14	SW 30	w 16	w 23	540	.02	.32	.	.34	Fy	Fy	F	Cy	Cr	
20	w 12	SW 10	SW 33	SW 21	SW 35	485	.	.	.	.	Cr	Cr	F	F	Cr
21	w 22	SW 46	SW 22	SW 27	SW 33	771	.	.	.	.	Cr	Cr	F	Cr	Cr
22	w 31	SW 32	SW 42	SW 28	SW 36	746	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	w 26	SW 36	SW 31	w 17	SW 24	623	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	w 24	SW 28	SW 44	SE 24	SW 32	762	.	.	.	.	Cr	Cr	Cr	F	Cr
25	w 44	SW 40	SW 23	SW 19	SW 24	724	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	SW 34	SW 36	SW 23	SW 24	SW 17	666	.	.	.	.	Cr	Cr	Cr	Cr	Cr
27	w 28	SW 11	SW 8	w 6	SW 28	358	.	.	.10	.10	Cr	Cy	Cy	LR	Cr	
28	w 8	w 1	NE 10	NE 14	SE 5	313	.	.	.01	.01	Cr	F	F	Cy	Cy	
29	SW 14	SW 8	w 4	NW 1	NW 13	267	.05	.	.40	.45	Cy	F	Cy	LR	LS	
30	NE 19	NE 15	NE 4	SE 8	SW 8	275	.06	.	.74	.80	Cy	Fy	Cy	LR	LR	
Mean	24	22	18	20	20	15023	.40	.65	2.05	3.10						

REMARKS.

June 7. Sleet and Snow, B. 3.45 P.M.; E. 8.55 P.M.
 8. { Sleet, B. 1.15 P.M.; E. 1.45 P.M.
 { Snow, B. 2.30 P.M.; E. 6.00 P.M.
 " B. 7.30 P.M.; E. 9.20 P.M.
 9. Snow, B. 7.50 P.M.; E. 8.45 P.M.

June 10. { Snow, B. D. N.; E. D. N.
 { Sleet, B. 9.35 A.M.; E. 1.30 P.M.
 { Snow, B. 9.20 P.M.; E. D. N.
 11. Sleet, B. 11.45 A.M.; E. 11.55 A.M.
 12. Snow, B. 1.15 P.M.; E. 4.00 P.M.

JUNE, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	Hidden	Hidden	s 9 NW	KS 8 NW	KS 9 NW	s 10 W	s 10 NW
2	Hidden	Hidden	Hidden	Hidden	0	D. Fog	N 10 NW	KS 10 N	N 10 NW	s 8 NW
3	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	N 10	s 10 NW	N 10 ?
4	0	0	Hidden	c 1	Hidden	s 2 NW	0	N 10 W	KS 7 NW	D. Fog
5	0	Hidden	Hidden	0	Hidden	0	N 10 W	N 10	s 9 NW	D. Fog
6	0	c 1	0	c 5 W	0	0	0	K 4 W	KS 3	s 4 ?
7	c 1	K 5 SW	0	Hidden	Hidden	0	0	{N 6 K 2 W}	N 10 E	D. Fog
8	Hidden	Hidden	Hidden	Hidden	0	D. Fog	D. Fog	D. Fog	N 10 SW	N 8 ?
9	{c 7 cs 1 SW}	c 1 W	Hidden	0	0	0	s 3 W	KS 10 SW	K 5 SW	s 8
10	0	Hidden	Hidden	Hidden	0	s 8 W	s 10	N 10	D. Fog	{L. Fog KS 2 ?}
11	Hidden	Hidden	0	Hidden	0	D. Fog	{KS 5 SE S 5 S}	KS 8 SW	D. Fog	KS 2 SW
12	0	cs 1	Hidden	Hidden	Hidden	0	K 3 SW	s 10 S	s 10 S	N 10 ?
13	Hidden	Hidden	0	Hidden	0	N 10 NW	D. Fog	K 7 W	N 10 SW	s 6 SW
14	0	c 4 W	c 1	c 4 SW	0	s 2 SW	K 2 SW	K 5 SW	K 2 SW	s 7 S
15	c 1	c 2	0	0	0	0	0	KS 3 SW	KS 7 SW	s 7 SW
16	Hidden	cs 2 W	Hidden	Hidden	0	s 9 W	0	KS 9 SW	KS 9 SW	KS 1 W
17	K 1 W	K 1 W	K 3 W	K 1 W	0	0	0	0	L. Haze	s 1 W
18	0	cs 1 W	cs 5 W	cs 1	Hidden	0	0	K 4 W	s 9 S	D. Fog
19	Hidden	Hidden	0	Hidden	0	D. Fog	{L. Fog S 10 SW}	KS 5 SW	s 10 SW	s 1 ?
20	0	0	K 5 SW	K 5 SW	K 1 W	0	K 1 SW	0	0	0
21	0	0	K 4 SW	K 3 SW	0	0	0	0	0	0
22	0	0	K 1 SW	K 1 SW	0	0	0	0	L. Haze	KS 1 SW
23	cs 1 W	cs 1 SW	K 1 SW	K 1 W	cs 1 SW	0	0	0	0	0
24	cs 1 W	0	cs 1 W	{K 2 SW cs 2 S}	0	0	L. Haze	K 2 SW	L. Haze	KS 1 SW
25	0	0	K 1 SW	K 2 SW	0	0	L. Haze	L. Haze	0	K 1 SW
26	0	0	K 1 SW	K 1 SW	0	0	L. Haze	L. Haze	L. Haze	0
27	cs 2 SW	cs 2 SW	Hidden	Hidden	0	0	KS 7 SW	KS 10 SW	N 10 SW	KS 1 SW
28	cs 1 W	CK 1 SW	0	Hidden	Hidden	0	KS 3 SW	KS 5 SW	KS 8	s 10 ?
29	Hidden	c 3 SW	Hidden	Hidden	Hidden	s 10 SW	K 2 SE	KS 10 SW	{D. Fog N 10}	N 10 ?
30	Hidden	Hidden	Hidden	Hidden	Hidden	s 10 NE	D. Fog	s 10	N 10	N 10 SW

REMARKS.

June 12. Snow, B. 8.10 P.M.; E. 6.00 A.M. of 13th.
 13. " B. 2.00 P.M. At intervals. E. 8.25 P.M.
 18. " B. 6.20 P.M.; E. 7.30 P.M.
 19. { Snow, B. D.N.; E. D.N.
 { Sleet, B. 10.20 A.M.; E. 12.35 P.M.

June 27. Sleet and Rain, B. 4.25 P.M.; E. 5.45 P.M.
 28. Rain, { B. 5.45 P.M.; E. 5.55 P.M.
 { B. 9.12 P.M.; E. D.N.
 29. " B. 1.30 P.M.; E. D.N.
 30. " B. 2.35 P.M.; E. 9.15 P.M.

JULY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	1.09	1.12	1.13	1.03	1.03	1.08	36	44	49	39	40	42	51	34	85	76	56	92	73
2	1.04	1.18	1.18	1.18	1.17	1.13	38	43	39	37	38	38	46	37	80	74	89	89	72
3	1.11	1.13	1.13	1.13	1.10	1.11	39	42	43	38	37	40	47	37	65	67	74	79	85
4	1.22	1.23	1.22	1.21	1.21	1.22	38	44	47	46	37	41	48	33	73	63	66	71	100
5	1.13	1.12	1.09	1.06	1.03	1.08	38	44	48	43	38	41	51	35	79	80	89	100	100
6	.98	1.02	1.03	1.01	1.01	1.01	36	42	44	42	38	39	46	34	85	80	86	74	79
7	1.02	1.01	1.00	.95	.96	.99	35	44	49	47	40	41	50	33	85	74	61	83	100
8	.93	1.03	.92	.92	.94	.93	38	40	46	43	37	40	49	36	86	79	83	74	85
9	.96	1.00	1.03	1.03	1.03	1.00	32	36	45	44	37	38	47	29	50	61	47	47	49
10	1.05	1.08	1.07	1.07	1.07	1.07	34	40	50	53	41	42	53	32	60	73	33	36	43
11	1.04	1.06	1.08	1.08	1.07	1.06	35	48	45	47	40	40	50	33	49	46	47	40	54
12	1.09	1.09	1.09	1.07	1.02	1.07	32	38	44	36	34	37	47	31	92	64	53	100	100
13	1.05	1.03	1.06	1.02	1.01	1.04	32	38	44	45	38	38	47	29	57	58	58	58	64
14	.98	.98	.95	.94	.97	.97	33	42	41	41	36	37	46	33	78	63	59	67	69
15	.92	.94	.94	.97	.98	.95	32	41	44	36	31	36	46	31	71	67	68	85	100
16	.97	1.00	1.02	1.05	1.07	1.02	26	33	41	42	36	34	43	26	84	65	50	62	56
17	1.02	1.04	1.07	1.10	1.01	1.04	32	37	43	42	36	37	44	32	50	56	51	44	69
18	1.07	1.09	1.06	1.07	1.06	1.07	34	41	42	42	38	38	44	30	60	50	55	67	72
19	1.07	1.07	1.07	1.07	1.07	1.07	35	41	44	44	37	39	45	35	61	50	41	53	69
20	1.04	1.07	1.06	1.06	1.07	1.06	33	38	38	35	33	35	42	32	85	79	100	100	100
21	1.04	1.07	1.07	1.06	1.07	1.06	32	35	43	37	30	35	44	29	85	85	74	92	100
22	1.08	1.10	1.12	1.07	1.13	1.11	31	34	40	38	36	36	43	29	100	72	73	85	79
23	1.15	1.18	1.17	1.16	1.07	1.13	36	41	46	42	38	40	47	34	56	54	63	62	72
24	1.09	1.10	1.11	1.06	1.05	1.08	35	42	48	40	37	40	54	34	85	74	54	86	79
25	1.02	1.04	1.06	1.02	1.05	1.04	36	41	47	42	38	40	49	34	79	79	61	55	72
26	1.06	1.09	1.09	1.09	1.06	1.07	36	43	44	34	35	38	47	34	79	63	68	92	79
27	1.05	1.06	1.02	1.12	1.10	1.06	32	41	48	38	33	38	52	31	85	73	71	92	85
28	1.00	1.02	1.02	1.02	1.03	1.02	35	37	36	38	33	35	42	29	79	69	85	72	92
29	1.01	1.04	1.06	1.03	1.06	1.04	29	36	37	34	33	33	41	29	84	79	79	61	71
30	1.05	1.07	1.06	1.06	1.06	1.06	34	38	48	44	38	40	50	31	85	72	61	63	58
31	1.04	1.07	1.10	1.10	1.12	1.08	35	41	48	45	40	41	50	34	61	57	50	47	54
Mean	1.04	1.07	1.07	1.06	1.05	1.06	34.2	40.1	44.2	41.1	36.6	38.3	47.1	32.2	75	68	65	72	77

REMARKS.

July 1. Rain, B. 3.25 P.M.; E. 5.20 P.M.
 2. { Snow and Hail, B. 12.05 P.M.; E. 1.40 P.M.
 Rain, B. 2.40 P.M.; E. 5.00 P.M.

July 3. { Snow, B. 4.00 P.M.; E. 5.00 P.M.
 Snow & Rain, B. 6.40 P.M.; E. 8.15 P.M.
 4. Rain, B. 5.12 P.M.; E. D. N.
 5. " B. 12.52 P.M.; E. D. N.

July 6. Rain, B. 11.45 A.M.; E. 12.45 P.M.
 8. Snow & Rain, B. 12.15 P.M.; E. 1.25 P.M.
 12. { Sleet and Hail, B. 1.20 P.M. At inter-
 vals. E. 8.00 P.M.

JULY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	W 8	W 7	W 9	N 16	N 16	173	T	.	.11	.11	Cr	Cr	Cy	LR	Cy
2	NW 2	W 1	NE 7	NE 4	N 10	102	.	.18	.28	.46	Cr	F	HH	Cy	F
3	NE 18	NE 10	NE 5	E 9	NE 8	262	.	.	.05	.05	Cr	Cr	F	Cy	F
4	NW 8	N 4	E 2	SE 10	SE 8	119	.	.	.11	.11	Cr	Cr	Cy	Cy	LR
5	NW 8	W 9	W 10	W 20	NW 22	318	T	T	.12	.12	Cr	Cy	LR	LR	Cy
6	NE 13	NE 1	NE 4	NE 8	NW 6	276	T	.01	.	.01	Cr	F	Cy	F	Cy
7	NE 6	SE 4	SW 14	SW 26	SW 38	277	.	.	.	.	Cr	Cr	F	Cy	Fy
8	W 15	W 24	SW 14	SW 18	SW 22	...	.	.01	T	.01	Cy	F	LSl	Cy	Cr
9	W 37	W 18	W 14	W 12	W 24	...	.	.	.	.	Cr	Hz	Cr	Cr	Cr
10	NW 18	NW 10	W 14	W 7	N 7	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	NW 26	NW 24	N 11	NE 12	W 15	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	W 14	W 14	NW 16	NW 6	NW 8	259	.	.	.20	.20	Fy	Cr	F	LSl	Fy
13	N 22	NW 4	NW 12	W 6	NW 16	310	.01	.	T	.01	Cr	Cr	F	Cr	Cr
14	W 17	SW 16	NW 20	N 8	W 28	400	.	.	T	T	Cy	Cr	Cy	Cy	F
15	NW 9	SW 10	S 8	SE 6	S 12	268	.	T	.	T	Cr	Cr	Cy	Fy	Fy
16	SW 10	W 18	W 8	NW 8	NW 14	242	.	.	T	T	Cr	Cr	Cy	F	Cr
17	NW 23	NW 14	NW 16	NW 6	SW 9	308	.	.	.	.	Cr	Cr	Cy	F	Cr
18	NW 21	NW 6	NW 7	NE 7	W 8	251	.	.	.	.	Cr	Cr	F	Cy	Cr
19	NW 11	N 6	NE 6	NE 8	SW 15	214	.	.	T	T	Cr	Cr	Cy	F	F
20	W 5	N 4	SW 9	W 8	SW 4	164	T	.04	.10	.14	Cy	Cy	LS	Fy	HS
21	W 4	W 8	W 7	W 6	SE 20	123	.03	.	.10	.13	Cr	Cr	Fy	Cy	HS
22	W 16	NW 13	NW 8	N 6	NW 10	290	.05	.	T	.05	Cy	Cr	Cy	LS	Cr
23	NW 8	N 8	NE 8	NE 8	S 7	168	.	.	T	T	Cr	Cr	Cy	F	Cy
24	SW 24	SW 12	SE 5	SW 7	SW 4	232	.	.	.05	.05	F	F	Cy	Cy	Cr
25	NW 7	NW 6	SW 4	NW 4	NW 5	151	.	.	T	T	Cr	Cy	Cy	Cy	F
26	NE 6	NE 7	E 6	E 8	E 6	151	.	T	.05	.05	F	Cr	Cy	HS	Cr
27	SE 6	SW 4	SW 4	SW 4	NW 8	144	.	.	.50	.50	F	Cr	Cy	Cy	F
28	NW 7	NE 7	NE 7	N 6	NW 8	164	.	T	.12	.12	Cr	Cr	LH	Cy	Cy
29	N 4	NE 6	N 3	NE 10	N 8	164	.	.	.01	.01	Cr	Cr	LSl	Cy	Cy
30	NW 6	NW 4	SW 6	SW 6	NW 6	126	.	.	T	T	Cr	Cr	F	F	F
31	NW 8	NE 10	NE 4	NW 4	NW 2	135	.	.	T	T	Cr	Cr	Cy	F	Cr
Mean	12	9	9	9	12	*5791	.09	.24	1.80	2.13					

REMARKS.

July 12. Sleet, B. 9 20 P.M.; E. D. N.

13. " B. 1.45 P.M.; E. 3.15 P.M.

14. { Sleet, B. 3.50 P.M.; E. 4.00 P.M.

" B. 5.15 P.M.; E. 5.25 P.M.

July 15. Snow, B. 12.20 P.M.; E. 12.25 P.M.

16. Sleet, B. 1.15 P.M.; E. 1.20 P.M.

19. Snow, B. 1.50 P.M.; E. 2.00 P.M.

20. " B. D. N.; E. D. N.

July 20. Snow, { B. 10.13 A.M.; E. 2.00 P.M.
B. 8.30 P.M.; E. D. N.

21. Snow and Sleet, B. 1.10 P.M.; E. D. N.

22. Snow, B. 1.10 P.M.; E. 1.25 P.M.

* Total wind movement for 27 days.

JULY, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	C 1	C 1	Hidden	Hidden	0	K 1	K 8 W	N 10	S 10 ?
2	CS 2	C 1	Hidden	Hidden	0	0	K 4 W	N 10	S 10	S 5
3	C 1	K 2 NE	0	Hidden	0	0	L. Haze	KS 7 NE	S 10 E	S 6 NE
4	K 1 W	{C 1 N}	{C 2}	Hidden	Hidden	0	0	S 4 NE	KS 10 SE	N 10 ?
5	CS 3 W	CS 1 SW	Hidden	Hidden	Hidden	L. Haze	KS 8 SW	N 10 W	N 10 W	S 10 ?
6	0	C 1	Hidden	0	0	KS 1 NE	K 3 NE	KS 10 NE	KS 4 NE	KS 8 NW
7	0	K 1 SE	0	0	Hidden	0	L. Haze	K 5 SW	KS 8 S	D. Fog
8	0	0	0	0	0	KS 8 W	KS 5 SW	N 8 SW	KS 8 SW	S 1 SW
9	0	0	0	0	0	L. Haze	D. Haze	0	L. Haze	0
10	0	0	0	0	0	0	0	L. Haze	L. Haze	0
11	0	0	K 1 NW	K 2 W	0	0	0	L. Haze	0	0
12	Hidden	0	0	Hidden	Hidden	D. Fog	K 1 W	K 5 W	{L. Fog}	D. Fog
13	0	0	K 5 NW	K 1 W	0	0	0	0	{N 10 NW}	0
14	0	K 1 W	Hidden	Hidden	0	S 8 W	0	KS 10 SW	KS 10 W	S 5 W
15	0	0	0	Hidden	Hidden	S 2 W	KS 2 SW	KS 8 SW	D. Fog	D. Fog
16	0	0	0	K 4 W	0	K 1 SW	L. Haze	KS 7 W	0	S 1 NW
17	0	0	0	K 7 W	0	0	0	KS 8 NW	0	S 1 W
18	0	0	0	0	0	0	0	K 5 NW	KS 8 NE	S 1 W
19	0	CS 1	Hidden	CS 1	0	S 1 W	L. Haze	KS 10 NE	KS 4 NE	S 5 SW
20	0	Hidden	Hidden	Hidden	Hidden	KS 8 W	KS 10 SW	N 10 SW	D. Fog	N 10 SW ?
21	0	0	Hidden	Hidden	Hidden	S 2 W	K 2 NW	D. Fog	KS 10 W	N 10 ?
22	Hidden	K 2 W	0	0	0	{L. Fog}	0	KS 8 W	N 10 NW	S 1 NW
23	0	K 2 NW	Hidden	0	Hidden	{S 10 W}	0	KS 10 W	KS 5 NE	KS 10 S
24	0	0	Hidden	Hidden	0	S 6 SW	{K 2 SW}	KS 10 SE	S 10 SW	S 3
25	0	CK 9 W	0	Hidden	0	S 1	{S 3 SW}	KS 8 SW	S 10 NW	S 5 NW
26	0	C 1 SW	Hidden	Hidden	0	S 5 NE	L. Haze	KS 10 E	N 10	S 1 E
27	0	0	Hidden	Hidden	0	{L. Haze}	K 2 SW	KS 10 SW	KS 10 SW	S 5 N
28	0	{C 1 W}	Hidden	Hidden	Hidden	{S 4 SE}	0	N 10 NE	KS 10 NE	KS 10 NW
29	0	{K 1 W}	Hidden	Hidden	0	S 1 W	0	N 10 N	KS 10 NE	S 8 N
30	0	0	0	0	0	L. Haze	{K 1 W}	{L. Haze}	KS 5 SW	S 7 NW
31	0	0	Hidden	0	C 1	L. Haze	{L. Haze}	{K 5 SW}	KS 5 NW	0

REMARKS.

July 22. Snow, B. 4.50 P.M.; E. 6.00 P.M.
 23. " B. 2.00 P.M.; E. 2.20 P.M.
 24. " B. 1.45 P.M.; E. 4.15 P.M.
 25. " B. 3.07 P.M.; E. 4.00 P.M.

July 26. Snow, { B. 12.20 P.M.; E. 12.35 P.M.
 { B. 3.15 P.M.; E. 6.00 P.M.
 27. Rain and Hail, B. 1.33 P.M.; E. 2.31 P.M.
 28. Snow, B. 12.35 P.M.; E. 2.15 P.M.

July 28. Snow, B. 5.40 P.M.; E. 6.15 P.M.
 29. Snow & Sleet, B. 1.00 P.M.; E. 3.20 P.M.
 30. Sleet, B. 2.00 P.M.; E. 2.20 P.M.
 31. Snow, B. 1.40 P.M.; E. 2.10 P.M.

AUGUST, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	1.15	1.16	1.20	1.17	1.12	1.15	38	46	48	45	41	42	51	36	59	44	46	58	59
2	1.18	1.20	1.20	1.19	1.20	1.20	39	47	49	45	42	43	53	36	59	35	46	53	67
3	1.15	1.15	1.13	1.17	1.19	1.16	38	47	44	38	34	39	50	34	72	61	86	100	100
4	1.06	1.08	1.06	1.05	1.07	1.06	34	39	42	40	37	38	43	31	85	79	79	79	92
5	1.03	1.05	1.07	1.07	1.08	1.06	36	40	45	42	38	40	46	34	85	73	63	79	85
6	1.09	1.12	1.14	1.15	1.16	1.13	36	41	46	44	39	40	46	34	72	73	71	76	82
7	1.16	1.19	1.21	1.20	1.20	1.19	34	42	43	43	38	38	44	34	85	76	74	63	72
8	1.19	1.21	1.21	1.19	1.19	1.20	36	41	43	40	36	38	45	35	61	73	68	86	82
9	1.15	1.16	1.16	1.14	1.16	1.16	36	37	39	39	35	36	40	33	73	92	86	82	92
10	1.12	1.13	1.14	1.12	1.11	1.12	33	37	43	43	37	38	46	32	85	79	68	47	64
11	1.07	1.07	1.08	1.06	1.06	1.07	37	43	45	45	40	41	47	36	61	68	53	43	54
12	1.02	1.02	1.00	.99	.98	1.00	37	50	53	38	39	43	54	37	69	61	64	85	86
13	.98	.99	.99	.97	.98	.98	37	42	50	40	36	41	53	34	64	67	57	73	79
14	.98	1.00	.99	1.00	1.01	1.00	33	43	48	40	38	40	50	32	78	74	71	79	59
15	1.04	1.02	1.08	1.08	1.08	1.07	33	41	41	40	36	37	43	32	78	67	54	67	85
16	1.09	1.13	1.13	1.14	1.11	1.11	34	41	49	45	37	40	50	33	61	67	56	58	69
17	1.14	1.14	1.14	1.10	1.12	1.13	34	46	49	49	39	41	52	33	71	54	46	46	52
18	1.08	1.10	1.12	1.09	1.10	1.10	38	42	45	48	41	41	52	37	58	55	53	54	50
19	1.09	1.10	1.10	1.06	1.08	1.09	34	48	46	51	40	40	52	34	60	52	76	48	54
20	1.06	1.07	1.06	1.04	1.05	1.06	38	45	50	40	39	42	50	36	58	53	66	86	79
21	1.04	1.06	1.08	1.08	1.08	1.07	34	42	41	38	36	37	44	34	85	82	86	74	92
22	1.07	1.10	1.18	1.07	1.08	1.11	31	34	39	38	34	35	40	31	100	85	79	73	85
23	1.03	1.04	1.04	1.03	1.03	1.03	33	38	42	42	37	37	42	30	85	72	51	44	64
24	1.01	1.03	1.04	1.03	1.02	1.03	36	41	44	42	37	39	44	35	79	59	47	76	79
25	1.04	1.05	1.06	1.04	1.05	1.05	35	43	39	38	38	37	47	33	79	47	92	79	79
26	1.05	1.08	1.07	1.08	1.08	1.07	34	46	47	46	38	40	47	34	85	63	66	58	79
27	1.09	1.12	1.11	1.08	1.11	1.10	37	45	55	47	42	45	55	36	79	58	53	66	74
28	1.07	1.08	1.06	1.05	1.07	1.07	38	46	35	35	34	36	47	33	85	77	100	100	100
29	1.04	1.03	1.02	1.00	1.02	1.03	30	32	34	31	28	31	40	28	100	100	100	92	92
30	.98	.98	.97	.96	.94	.96	25	24	27	22	19	24	28	19	100	100	100	96	100
31	.91	.82	.94	.94	.94	.93	19	19	20	19	17	19	26	15	100	100	100	100	93
Mean	1.07	1.08	1.09	1.08	1.08	1.08	34.4	40.9	43.3	40.4	36.2	38.0	46.1	32.6	76	69	70	72	77

REMARKS.

Aug. 2. Snow, B. 6.30 P.M.; E. 6.45 P.M.
 3. Rain and Snow, B. 12.50 P.M.; E. 2.15 P.M.
 7. Rain, B. 3.10 P.M.; E. 3.20 P.M.
 8. " B. 4.27 P.M. At intervals. E. 5.50 P.M.

Aug. 8. Rain, B. 8.45 P.M.; E. 8.50 P.M.
 12. " B. 1.45 P.M.; E. 3.50 P.M.
 13. " { B. 2.00 P.M.; E. 2.35 P.M.
 { B. 3.20 P.M.; E. 4.40 P.M.

AUGUST, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	NW 5	N 4	NE 5	N 6	SW 10	96	.	.	.	.	Cr	Cr	F	F	Cr
2	SW 6	NW 4	NW 5	SW 8	SW 10	137	.	.	T	T	Cr	Cr	F	Cy	F
3	SW 2	S 3	N 8	NE 13	NW 10	149	.	.	.09	.09	Cr	Cr	LR	Fy	Fy
4	NW 6	NE 4	N 6	N 6	NW 6	150	.	.	.	.	Cr	Cy	Cy	Cy	Cy
5	N 8	NE 8	NE 8	N 6	NW 4	159	.	.	.	.	Cr	Cr	F	Cy	F
6	N 7	NE 8	NE 6	NE 7	N 4	159	.	.	.	.	Cr	Cr	Cy	Cy	Cr
7	N 7	NE 6	NE 6	NE 7	N 6	143	.	.	T	T	Cr	Cr	Cy	F	Cr
8	NE 8	NE 6	NE 6	NE 10	NE 12	203	.	.	.02	.02	Cr	Cr	Cy	LR	F
9	N 15	NE 8	NE 15	NE 19	NE 12	290	.	.	.	.	F	Fy	Fy	Cy	Cy
10	NE 14	N 6	N 3	NE 13	0	177	.	.	.	.	Cr	F	Cy	F	Cr
11	NE 14	NE 5	E 4	NE 12	E 1	196	.	.	.	.	Cr	Cr	F	Cr	Cr
12	SW 12	SW 6	SW 8	SW 20	N 12	273	.	.	.06	.06	F	Cr	Cy	Cy	F
13	W 1	0	W 2	E 7	SE 12	159	.	.	.13	.13	F	Cr	F	Cy	Cr
14	0	0	SE 1	W 2	N 8	113	.	.	.02	.02	Cr	Cr	F	LS	Cr
15	N 14	NE 4	NE 5	SE 12	S 6	198	.	.	T	T	Cr	Cr	F	F	Cr
16	0	0	SW 11	SW 3	S 14	188	.	.	.	.	Cr	Cr	F	F	Cr
17	0	0	0	S 14	0	81	.	.	.	.	Cr	Cr	F	Cr	Cr
18	NW 7	N 12	NE 13	NE 2	0	158	.	.	.	.	Cr	Cr	Cr	F	Cr
19	SE 5	SE 1	N 1	S 14	SW 6	145	.	.	.	.	Cr	F	Cy	Cy	Cr
20	SW 2	SW 1	S 6	S 10	E 4	134	.	.	.52	.52	Cr	F	Cy	Cy	Cy
21	SW 17	SW 1	NW 4	N 13	SW 22	250	.	.06	.	.06	F	Cy	Cy	Cy	Cy
22	NW 20	NW 13	W 12	NW 10	NW 6	335	T	.	.	T	Fy	F	Cy	F	F
23	NW 3	NW 8	NW 12	NE 9	N 4	145	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	SW 8	NE 4	NE 6	NE 5	S 8	173	.	.	.	.	Cr	Cr	Cy	F	Cr
25	SW 8	SW 4	N 7	NW 1	S 8	148	.	.05	T	.05	Cr	Cr	LS	Cy	F
26	S 12	S 1	S 8	S 8	S 18	234	.	T	.	T	Cr	Cr	F	Cy	Cr
27	S 5	SW 3	SW 5	S 12	S 10	230	.	.	T	T	Cr	Cr	Cy	F	Cy
28	SW 6	SW 4	NE 5	S 8	S 4	130	.	.36	.77	1.13	Cy	Cy	LS	Fy	HS
29	S 4	S 6	SW 4	SW 5	W 5	103	.43	T	.07	.50	LS	Fy	Fy	Cy	Cy
30	W 4	E 2	E 3	N 2	N 3	69	.04	.38	.05	.47	HS	HS	LS	LS	LS
31	N 1	N 3	NE 3	N 4	N 16	97	.03	.14	T	.17	LS	LS	F	Fy	Cr
Mean	7	4	6	9	8	5222	.50	.99	1.73	3.22					

REMARKS.

Aug. 14. Rain, B. 4.00 P.M.; E. 5.30 P.M.
 15. Snow, B. 3.25 P.M.; E. 3.38 P.M.
 20. Sleet, B. 1.15 P.M.; E. 4.35 P.M.
 21. Rain, B. 12.50 P.M.; E. 1.05 P.M.

Aug. 21. Rain, B. D.N.; E. D.N.
 25. " B. 12.30 P.M.; E. 1.20 P.M.
 26. " B. 12.30 P.M.; E. 12.45 P.M.
 27. Snow, B. 8.15 P.M.; E. 8.25 P.M.

AUGUST, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	K 1 N	K 5	0	0	0	L. Haze	0	KS 5 N	KS 1 SW
2	0	0	0	0	0	L. Haze	L. Haze	K 5 NW	KS 8 NW	s 7 SW
3	0	0	Hidden	Hidden	Hidden	s 2 SW	{L. Haze } {K 2 SW }	N 10 NE	D. Fog	D. Fog
4	0	0	Hidden	0	0	0	K 8 NE	KS 10 N	KS 8 NE	s 8 NW
5	0	0	0	Hidden	0	0	L. Haze	{L. Haze } {K 5 NE }	KS 9 N	s 5 NW
6	0	0	0	C 5 N	0	L. Haze	K 1 NE	KS 8 NE	{K 3 N } {S 2 NE }	s 2
7	C 3	C 2	Hidden	0	0	0	KS 1 NE	S 10 NE	K 4	s 1
8	CS 2	K 1 NE	0	Hidden	0	0	0	KS 9 NE	N 10 NE	s 6 ?
9	0	Hidden	Hidden	Hidden	Hidden	KS 4 N	L. Fog	L. Fog	{L. Fog } {S 10 NE }	s 10 ?
10	CS 1	0	0	CK 3 N	0	0	KS 4 N	K 8 N	K 3	s 1
11	0	{C 1 } {K 1 N }	C 1	0	0	s 1 NE	L. Haze	K 2 NE	{L. Haze } {K 1 NE }	s 1 E
12	0	0	Hidden	Hidden	0	s 5 SW	{KS 2 SW } {L. Haze }	KS 9 SW	S 10 SW	s 5 N
13	0	K 2	0	0	0	s 5	0	K 7 W	KS 8 NE	s 1 SE
14	0	0	0	Hidden	0	L. Haze	{K 1 } {L. Haze }	KS 7 SE	N 10	s 1 N
15	0	0	0	0	0	0	L. Haze	K 5 E	KS 5 SE	0
16	0	0	0	0	0	0	K 1	K 5 SW	KS 6 SW	0
17	0	0	K 4 N	K 1	0	0	L. Haze	0	0	0
18	CS 1	K 1	K 2	C 2	0	0	0	0	K 2	s 1
19	0	C 7	{C 1 } {K 3 }	C 8 W	C 2	s 1	0	S 5 SE	K 1	0
20	C 1 W	{C 2 SW } {CK 2 SW }	Hidden	Hidden	Hidden	0	KS 1	KS 10 S	S 10 S	s 10 S
21	0	C 1	Hidden	0	Hidden	s 5	S 8 SW	KS 10 NW	KS 8 NW	s 10 ?
22	Hidden	0	0	0	0	D. Fog	KS 5 NW	KS 8 W	KS 5 NW	s 7 NW
23	0	0	0	0	0	0	K 1 NW	K 2 NW	K 2 NE	0
24	0	0	Hidden	0	0	0	K 1	KS 10 NW	KS 7 NE	0
25	0	0	Hidden	Hidden	0	0	K 1 SW	N 10	KS 10 NW	KS 7 S
26	0	0	0	0	0	0	{L. Haze } {K 1 S }	KS 7 S	KS 8 S	KS 1 S
27	0	C 1	0	0	Hidden	KS 1 S	{L. Haze } {K 1 SW }	KS 9 SW	KS 7 SW	s 10 S
28	Hidden	Hidden	Hidden	Hidden	Hidden	s 10 SW	KS 10 SW	{L. Fog } {N 10 }	D. Fog	{D. Fog } {N 10 }
29	Hidden	Hidden	Hidden	Hidden	0	N 10	D. Fog	D. Fog	s 10	s 9 W
30	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 W ?	N 10	N 10	N 10	N 10
31	Hidden	Hidden	C 2	Hidden	0	N 10	N 10	KS 5	D. Fog	0

REMARKS.

Aug. 28. { Sleet, B. 11.15 A.M.; E. 3.20 P.M.
 { Snow, B. 5.40 P.M.; E. 7.35 A.M. of 29th.
 29. Rain, B. 1.12 P.M.; E. 2.23 P.M.

Aug. 30. Snow, { B. D.N.; E. 5.20 P.M.
 { B. 6.15 P.M.; E. 11.00 A.M. of 31st.
 31. " B. 2.00 P.M.; E. 3.00 P.M.

SEPTEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean. of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.88	.90	.91	.92	.94	.91	16	20	26	26	23	22	27	15	76	91	84	84	92
2	.91	.96	.96	.97	1.00	.96	23	26	31	28	26	27	31	21	80	92	85	84	84
3	1.02	1.06	1.06	1.07	1.08	1.06	26	31	32	31	25	28	34	23	84	78	78	78	92
4	1.07	1.08	1.07	1.06	1.07	1.07	25	33	34	33	29	29	36	23	80	85	85	85	92
5	1.06	1.06	1.05	1.05	1.04	1.05	26	31	31	31	26	28	34	25	84	85	92	78	84
6	1.00	1.02	1.01	.98	1.00	1.00	26	30	34	36	31	30	36	25	74	92	92	85	92
7	1.02	1.05	1.02	1.02	1.00	1.01	31	34	37	33	30	33	39	27	85	92	56	85	100
8	1.02	1.04	1.06	1.06	1.08	1.05	29	31	38	35	33	33	39	27	84	85	72	85	71
9	1.11	1.10	1.11	1.07	1.08	1.10	31	36	42	41	34	36	43	29	85	85	50	54	92
10	1.11	1.11	1.12	1.10	1.11	1.11	35	37	40	37	35	37	41	33	79	44	54	64	61
11	1.09	1.09	1.07	1.05	1.07	1.07	31	37	43	36	33	36	43	31	78	64	51	69	71
12	1.06	1.09	1.09	1.08	1.09	1.08	32	38	46	42	37	38	48	32	74	58	49	55	64
13	1.08	1.10	1.11	1.11	1.12	1.10	35	38	43	42	40	39	44	34	61	58	39	42	52
14	1.11	1.14	1.11	1.07	1.04	1.08	36	41	42	40	35	38	43	35	42	43	45	48	72
15	.94	.92	.91	.86	.84	.90	34	36	44	39	31	36	44	30	85	69	53	79	78
16	.78	.82	.82	.82	.83	.81	26	33	38	34	30	31	38	25	92	92	79	78	92
17	.78	.79	.80	.72	.66	.75	25	29	36	31	26	29	37	24	92	92	92	92	100
18	.67	.71	.76	.76	.76	.73	15	18	27	25	16	19	28	10	67	58	43	92	76
19	.81	.84	.85	.87	.87	.84	11	21	26	23	19	19	27	10	61	61	67	92	91
20	.80	.90	.92	.96	.97	.90	13	17	28	22	20	20	28	12	87	67	77	73	80
21	.98	1.03	1.05	1.06	1.06	1.03	22	25	31	30	25	26	35	16	64	73	85	78	80
22	1.02	1.03	1.02	1.02	1.03	1.02	23	27	36	34	30	30	38	22	80	74	79	85	85
23	1.02	1.03	1.02	1.01	1.01	1.02	26	30	36	33	28	30	38	24	84	85	85	85	92
24	.98	1.08	.98	.94	.93	.96	24	28	38	34	28	30	38	22	80	84	85	85	92
25	.92	.96	.96	.96	.95	.95	26	29	40	37	31	32	41	25	84	77	79	85	92
26	.88	.77	.78	.78	.61	.76	26	33	32	29	25	28	35	25	84	78	100	84	92
27	.60	.59	.55	.65	.66	.60	14	14	16	17	16	15	25	8	76	76	76	84	87
28	.71	.72	.77	.76	.77	.75	21	24	34	31	28	28	36	14	80	74	85	92	84
29	.80	.81	.83	.82	.82	.82	24	31	36	31	25	28	37	21	64	92	85	85	92
30	.86	.90	.88	.88	.94	.90	22	31	36	33	27	28	38	19	73	78	79	85	84
Mean	.94	.96	.96	.95	.95	.95	25.2	29.6	35.1	32.5	28.0	29.4	36.7	22.9	77	76	73	78	84

REMARKS.

Sept. 1. Sleet, B. 3.40 P.M.; E. 3.45 P.M.
 2. { Sleet, B. 11.25 A.M.; E. 11.40 A.M.
 { Snow, B. 1.15 P.M.; E. 1.50 P.M.

Sept. 2. Snow, B. 3.50 P.M.; E. 4.15 P.M.
 4. " B. 7.40 P.M.; E. 8.30 P.M.
 5. " B. 12.15 P.M.; E. 12.43 P.M.

SEPTEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.							Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.						Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 9.07	P.M. 5.07											
1	N 34	N 34	NW 14	NW 25	NW 32	582	.	.	T	T	Cr	Cr	Cy	Cy	Cr	
2	N 26	N 8	W 5	N 20	NW 11	514	.	.03	.03	.06	Cr	Cr	Cy	F	Cr	
3	N 11	N 4	SE 2	s 1	s 6	137	.	.	.	.	Cr	Cr	Cy	Cy	Cr
4	SW 8	SW 1	s 1	s 7	s 6	...	.	.	T	T	Cr	Cr	Cy	Cy	F
5	s 5	s 4	s 4	NW 4	NW 8	...	.	T	T	T	F	Cr	Cy	F	Cr
6	NW 8	E 8	NE 6	w 2	NW 7	...	.	.	T	T	Cr	Cr	F	Cr	Cr
7	NW 14	NW Gen	NW 12	w Bsk	NW Bsk	...	.	.	.03	.03	Cr	Cr	Cy	Cy	HS
8	NW Bsk	NW Fr	NE Lt	NE Lt	NE Lt	...	.03	.	.	.03	Cr	Cr	F	Cr	Cr
9	NW Lt	0	w Lt	sw Lt	s Bsk	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	NW Lt	NW Lt	NW 8	NW 8	NW 4	...	.	.	.	.	Cy	Cr	Cy	F	Cr
11	NW 3	sw 1	sw 5	w 11	NW 12	126	.	.	T	T	Cr	F	Cy	Cr	Cr	
12	NW 10	w 7	sw 6	sw 10	sw 11	196	.	.	.	.	Cr	Cr	F	Cr	Cr
13	NW 10	w 5	w 4	SE 4	SE 4	189	.	.	.	.	Cr	Cr	Cr	Cy	Cr
14	sw 4	NE 8	NE 8	E 10	s 9	180	.	.	.	.	Cr	Cr	F	Cr	Cr
15	w 12	w 16	sw 18	s 8	w 20	338	.	.	.	.	Cr	Cr	Cr	F	Cr
16	w 32	sw 6	sw 5	w 14	w 3	386	.	.	.	.	F	F	Cy	Cr	Cr
17	w 38	w 36	sw 20	w 36	sw 26	719	.	.	.	.	Cr	Cr	Cr	F	Cy
18	sw 20	sw 12	s 12	sw 13	w 14	394	.	.	.	.	Cr	Cr	Cr	Cr	Cr
19	w 13	s 12	sw 12	0	s 1	244	.	.	.22	.22	Cr	Cr	Cy	LS	HS	
20	NW 2	NW 3	w 3	NW 3	N 12	96	.05	.	.	.05	Cr	Cr	Cr	F	Cr	
21	N 12	N 8	SE 4	sw 14	sw 14	237	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	sw 24	w 16	w 4	sw 10	sw 10	384	.	.	T	T	Cr	Cr	Cr	LS	F	
23	w 7	sw 2	sw 7	NW 12	N 5	154	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	N 20	N 11	w 4	sw 24	sw 18	329	.	.	.	.	Cr	Cr	F	F	Cr
25	0	NW 2	sw 8	NW 17	s 26	254	.	.	.	.	F	F	F	Cr	Cr
26	sw 24	sw 27	sw 32	sw 29	sw 26	671	.	T	T	T	Cr	Cr	LS	Cy	Cy	
27	w 24	NW 28	NW 25	NW 25	NW 42	694	.	T	.	T	Cy	Cy	Cy	F	Cr	
28	N 32	NW 20	sw 14	sw 28	sw 28	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	w 22	sw 16	s 18	s 26	s 44	554	.	.	.	.	Cy	F	Cr	Cr	Cr
30	w 23	w 9	sw 10	sw 19	sw 42	549	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	*16	*11	†10	*14	*16	‡7927	.08	.03	.28	.39						

REMARKS.

Sept. 5. Snow, B. 1.40 P.M.; E. 2.20 P.M.
6. " B. 1.30 P.M.; E. 1.45 P.M.

Sept. 7. Snow, { B. 1.25 P.M.; E. 2.30 P.M.
 { B. 8.30 P.M.; E. D. N.

* For 27 days.

† For 28 days.

‡ For 22 days.

SEPTEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	s 1	0	K 8	{K 4NW}	{L. Haze}
2	0	0	0	0	0	s 1 N	K 1	s 9	{s 4NW}	{ks 1}
3	0	0	0	0	0	0	L. Haze	KS 9 SE	KS 5NW	0
4	0	0	0	Hidden	0	0	L. Haze	KS 8 s	s 10 s	s 2 s
5	0	CS 2 s	0	CS 5	0	s 5 s	L. Haze	KS 8 SW	s 1	0
6	0	0	0	0	0	s 1	L. Haze	K 4 E	K 2 SE	0
7	0	CS 1	CS 2	CS 4	Hidden	s 1	K 1 NE	s 8	s 4 SW	N 10
8	0	CS 2	c 2	CK 1	0	s 2	L. Haze	K 5 NW	L. Haze	0
9	0	0	0	0	0	0	L. Haze	K 2 SW	KS 2 W	0
10	0	CS 3	0	0	0	KS 8	0	KS 9 NW	KS 5 NW	s 1
11	0	0	Hidden	c 1 W	0	s 1	K 4 SW	s 10 W	s 2 W	s 1 ?
12	0	K 1 SW	K 5 W	0	0	0	0	0	KS 1 s	0
13	0	c 1	{c 1 w}	c 6	0	0	0	0	s 2	0
14	0	0	{K 1 w}	K 1 E	0	0	0	0	0	s 1
15	0	0	K 4 E	c 3	0	L. Haze	L. Haze	K 2 s	K 4 N	0
16	c 1	CS 3	0	c 1 NE	0	KS 3	K 2 E	K 8 N	KS 2 NE	s 1
17	0	0	0	0	Hidden	KS 1	KS 1	KS 3	K 4 NE	s 10 NE
18	0	0	0	0	0	0	0	KS 1 NE	KS 1	0
19	0	CS 1 NE	0	Hidden	Hidden	0	0	K 8 E	N 10	N 10
20	0	0	0	0	0	s 1	K 2 s	K 2 W	KS 5 W	0
21	0	0	K 1 SE	0	0	0	0	0	K 3 SW	0
22	0	0	0	0	0	0	L. Haze	K 2 SW	N 8 SW	KS 4 SW
23	0	0	0	0	0	KS 1 W	L. Haze	K 2 SW	K 3 W	0
24	0	0	0	CS 2	0	s 1 N	K 1 NW	K 4 NW	KS 4 SW	K 1
25	0	c 4 NW	c 1	0	CS 1	s 7	L. Haze	K 5 SW	KS 3 SW	0
26	0	c 1	Hidden	Hidden	Hidden	s 1 SW	K 2 SW	N 10 SW	KS 10 SW	s 9 SW
27	Hidden	Hidden	Hidden	0	0	KS 10 W	KS 10 W	KS 10 NW	KS 5 NW	0
28	0	c 1	0	0	0	0	L. Haze	L. Haze	0	0
29	0	CS 6 NW	CS 1	c 1	0	KS 9	0	K 2 NW	0	0
30	0	c 1	CS 1	0	CS 2	0	0	0	0	0

REMARKS.

Sept. 11. Snow, { B. 1.30 P.M.; E. 2.20 P.M.
 { B. 2.50 P.M.; E. 3.10 P.M.
 19. " B. 3.20 P.M.; E. D.N.

Sept. 22. Snow, B. 4.45 P.M.; E. 5.10 P.M.
 26. " B. 12.25 P.M.; E. 1.34 P.M.
 27. " B. 10.05 A.M.; E. 11.15 A.M.

METEOROLOGICAL OBSERVATIONS.

OCTOBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.84	.87	.84	.82	.81	.83	23	29	34	29	29	29	35	20	80	84	85	92	84
2	.75	.79	.76	.76	.71	.74	24	29	35	32	26	28	36	19	92	85	85	78	92
3	.81	.88	.87	.86	.83	.83	22	30	36	31	27	28	36	18	73	72	85	85	84
4	.76	.85	.77	.77	.75	.86	24	29	36	33	28	29	37	21	80	92	79	85	84
5	.70	.75	.75	.76	.74	.73	22	23	32	29	25	26	33	19	80	92	85	84	92
6	.64	.67	.70	.71	.69	.67	17	18	25	22	20	21	28	17	100	100	92	92	91
7	.64	.64	.62	.63	.63	.62	14	17	22	23	18	18	24	11	87	76	80	80	91
8	.58	.60	.61	.64	.64	.61	13	17	27	21	18	19	27	11	87	76	92	80	100
9	.61	.66	.68	.74	.78	.69	12	12	11	11	9	11	18	7	87	87	87	73	87
10	.77	.75	.71	.57	.53	.66	12	15	23	22	20	18	23	8	87	73	73	73	80
11	.41	.38	.35	.39	.41	.37	16	16	18	13	9	14	20	9	87	100	80	87	87
12	.41	.45	.51	.57	.53	.47	3	2	11	8	15	10	15	0	83	100	87	83	87
13	.75	.78	.78	.76	.69	.73	18	23	28	28	22	23	28	13	91	80	77	77	80
14	.61	.61	.64	.57	.51	.59	19	23	29	27	23	24	37	17	80	80	78	92	92
15	.43	.49	.55	.60	.58	.52	7	6	14	6	0	7	24	0	69	83	78	83	100
16	.64	.73	.71	.70	.63	.65	10	15	19	20	12	14	21	- 2	60	44	61	70	64
17	.63	.62	.58	.60	.62	.61	9	10	12	6	- 3	6	17	- 3	100	100	100	83	100
18	.69	.73	.78	.85	.89	.79	- 2	- 1	11	19	20	10	21	- 5	79	79	57	91	80
19	.95	.97	.96	.99	.98	.96	20	21	24	25	21	22	26	18	61	91	80	80	91
20	.91	.94	.93	.90	.84	.93	20	24	27	27	21	23	29	19	61	80	84	74	91
21	.78	.90	.85	.83	.84	.82	18	19	25	23	20	21	26	16	91	80	73	80	91
22	.83	.92	.94	.97	.96	.91	21	26	28	26	22	24	29	18	61	73	84	73	80
23	.90	1.05	1.02	.97	.96	.95	24	28	32	30	27	28	34	21	56	77	78	77	84
24	.81	.83	.76	.85	.81	.80	26	27	29	28	24	26	34	21	84	77	84	77	80
25	.76	.75	.83	.79	.78	.79	20	24	30	25	23	24	32	19	80	73	77	80	80
26	.71	.79	.78	.78	.74	.74	18	22	22	20	17	19	25	17	80	80	80	91	76
27	.67	.78	.76	.72	.63	.68	15	15	20	16	16	17	22	14	76	76	70	76	80
28	.68	.79	.74	.78	.62	.68	17	16	21	21	17	18	21	15	76	76	80	80	76
29	.61	.58	.57	.58	.55	.58	17	18	24	24	20	20	27	15	76	70	73	73	80
30	.46	.48	.50	.49	.52	.49	14	17	23	20	16	18	23	13	76	76	80	80	87
31	.49	.55	.58	.57	.58	.55	14	17	22	22	17	18	24	12	87	76	80	80	76
Mean	.68	.72	.72	.73	.70	.70	16.4	18.9	24.2	22.2	18.7	19.7	26.8	12.8	80	81	80	81	85

REMARKS.

Oct. 6. Snow, B. D. N.; E. 6.00 A.M.
7. " B. 5.40 A.M.; E. 6.10 A.M.

Oct. 8. Snow, { B. 2.30 P.M.; E. 2.45 P.M.
 { B. 6.15 P.M.; E. D.N.

OCTOBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	W 36	W 16	W 23	SW 28	SW 31	714	.	.	.	.	Cr	Cr	Cy	Cy	Cr
2	SW 28	SW 17	SW 23	SW 41	W 56	746	.	.	.	.	F	Cr	F	Cr	Cr
3	W 36	S 12	SW 20	SW 22	SW 34	694	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	SW 44	SW 30	W 24	W 17	SW 28	753	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	SW 48	W 24	S 26	SW 24	SW 24	764	.	.	.	.	Cr	F	Cr	F	F
6	W 18	SW 29	W 21	SW 24	SW 24	555	.03	T	.	.03	LS	F	F	Cy	F	
7	SW 26	SW 12	W 12	W 15	SW 20	453	.	T	.	T	Cy	Cr	F	F	Cr	
8	SW 20	W 22	SW 16	NW 8	SW 4	443	.	.	.10	.10	Cr	Cr	Cy	F	HS	
9	SW 16	W 14	W 16	NW 24	W 18	392	.04	.	.	.04	Cy	Cr	Cy	Cr	Cr	
10	W 36	W 40	W 38	W 64	W 72	918	.	.	.	.	Cr	Cr	Cr	Cr	F
11	SW 34	SW 22	SW 32	W 21	NW 8	862	.	.	.	.	F	Fy	Cy	Cy	Cr
12	NW 22	NW 26	NW 19	NW 22	NW 34	518	.	.	.	.	Cy	Cr	F	Cr	Cr
13	NW 28	W 37	SW 24	SW 33	SW 49	865	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	SW 50	SW 63	SW 48	SW 33	W 44	1161	.	.	T	T	Cr	Cr	Cr	Cr	Cr	
15	W 46	W 24	SW 12	W 15	W 36	741	.	.	.03	.03	Cr	Cr	Cy	LS	Cr	
16	NE 24	N 10	W 15	W 17	W 40	530	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	SW 20	SW 13	SW 10	SW 4	NE 8	390	.	T	.15	.15	F	Cy	Cy	LS	HS	
18	N 4	N 15	NE 18	NE 20	NE 18	274	.05	.	.	.05	Cr	Cr	Cr	Cr	Cr	
19	NE 14	NE 12	N 20	NW 10	W 16	310	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	W 25	W 16	SW 8	SW 11	NW 29	411	.	.	.	.	Cr	Cr	Cr	F	Cr
21	NW 37	NE 24	SW 28	SW 44	SW 45	853	.	.	.	.	Cr	Cr	Cr	Cr	Cy
22	N 39	NE 20	N 10	N 14	NW 24	674	.	.	.	.	Cr	F	F	Cr	Cr
23	NW 31	N 10	SW 19	SW 36	SW 41	632	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	W Gale	SW 72	SW 24	SW 28	W 46	862	.	.	.	.	Cr	Cy	Cy	F	F
25	W 62	SW 7	SW 18	SW 38	SW 32	826	.	.	.	.	Cr	Cy	F	Cy	Cr
26	W 24	SW 10	W 13	N 10	N 8	555	.	T	T	T	F	Cy	Cy	LS	Cr	
27	SW 14	W 26	W 22	NW 42	NW 44	680	.	.	.	.	Cr	Cr	Cr	Cr	Cr
28	W 14	NW 12	W 44	W 32	W 52	672	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	SW 76	SW 72	SW 44	SW 20	W 32	1226	.	.	.	.	F	Cr	Cr	F	F
30	SW 32	SW 20	SW 22	SW 21	SW 29	725	.	.	.	.	F	Cy	Cr	F	F
31	SW 26	SW 24	SW 32	SW 12	SW 32	614	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	*31	24	23	24	32	20813	.12	T	.28	.40						

REMARKS.

Oct. 14. Snow, B. 6.15 P.M.; E. 6.35 P.M.
 15. " B. 1.10 P.M.; E. 5.30 P.M.

Oct. 17. Snow, { B. 9.25 A.M.; E. 11.50 A.M.
 { B. 3.30 P.M.; E. D. N.

* For 30 days.

OCTOBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	CS 3	0	CS 2	0	KS 1	0	s 9	s 7	KS 3
2	0	CS 3 E	CS 6	CS 3 E	0	KS 7 NE	0	0	0	0
3	0	CS 1	0	CS 2	0	0	0	L. Haze	0	0
4	C 1 N	CS 1	0	C 2 SE	0	0	0	K 1 N	0	0
5	0	0	0	CS 3 N	0	0	K 5 NE	K 3	K 3 N	KS 5 NE
6	Hidden	c 1	CS 3 NE	0	0	N 10	K 5 NE	K 2 NE	KS 9 SW	s 7 SW
7	Hidden	0	0	0	0	S 10 SW	KS 2 W	KS 5 W	KS 7 W	0
8	0	0	Hidden	0	Hidden	0	0	KS 10 SW	KS 6 W	N 10
9	Hidden	0	0	0	0	KS 10 SW	0	KS 8 SW	K 1 W	0
10	0	0	0	0	0	0	KS 2 W	KS 1 W	KS 1 W	KS 5 W
11	0	Hidden	Hidden	0	0	s 5 w	D. Fog	KS 10 w	KS 8 w	KS 2 w
12	Hidden	cs 1	0	0	0	KS 10 NW	KS 1 NW	KS 5 NW	KS 2 NW	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	CK 1	CS 2	0	0	CS 1 SW	K 1 NE	0
15	0	0	0	0	0	0	0	KS 8 SW	N 8 W	s 1
16	0	0	0	CS 1 NE	0	0	0	L. Haze	0	s 1
17	0	Hidden	Hidden	Hidden	Hidden	K 7 NE	s 10 NE	s 10 NE	N 10	N 10
18	0	0	0	0	0	0	L. Haze	0	0	L. Haze
19	0	0	0	0	0	0	0	L. Haze	0	0
20	0	CS 1	CS 2 E	C 5 NE	C 1 NE	0	L. Haze	0	0	0
21	0	CS 1	0	CS 1	C 8 NE	KS 2	0	0	0	0
22	0	{ C 3 s } { K 3 s }	C 5 s	CS 1	0	s 1	0	0	0	0
23	0	0	0	0	CS 2 s	0	0	0	0	0
24	0	0	CS 5	0	CK 1	K 2	KS 8 N	K 4	KS 7 SW	KS 5 W
25	0	0	CS 2 W	0	CS 1 W	KS 2 W	KS 9 SW	KS 3 SW	KS 8 SW	0
26	0	Hidden	Hidden	Hidden	0	KS 5 W	KS 10 SW	KS 10 SW	N 10	KS 2 W
27	0	0	0	0	0	0	0	K 1 W	0	0
28	0	0	0	0	0	0	0	L. Haze	0	0
29	0	CS 2 W	0	0	0	s 4 SW	0	KS 2 W	KS 7 SW	KS 7 W
30	0	0	0	0	0	KS 7 W	KS 8 SW	K 1 W	KS 4 SW	KS 5 SW
31	0	0	0	0	0	K 1 W	0	K 1 W	L. Haze	0

REMARKS.

Oct. 26. Snow, { B. 9.50 A.M.; E. 11.00 A.M.
 { B. 1.20 P.M.; E. 3.12 P.M.

Oct. 26. Snow, B. 4.40 P.M.; E. 5.15 P.M.

NOVEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.74	.80	.84	.88	.79	.79	15	18	23	22	19	19	24	14	87	80	80	80	91
2	.85	.98	.99	1.00	1.01	.95	18	23	27	25	23	23	28	17	80	80	74	80	80
3	.98	.98	.95	.87	.87	.94	22	24	29	25	22	24	30	21	80	73	77	73	80
4	.66	.70	.75	.78	.77	.73	15	16	22	19	14	17	23	14	87	76	73	80	76
5	.78	.82	.84	.83	.84	.82	19	21	22	22	18	20	26	12	80	80	72	80	70
6	.79	.78	.74	.78	.77	.77	18	22	25	24	21	21	27	16	70	73	80	80	91
7	.78	.85	.82	.84	.85	.82	19	21	26	21	18	21	26	17	51	73	84	80	91
8	.79	.82	.81	.80	.77	.79	16	17	23	25	18	19	23	14	87	76	80	92	91
9	.69	.68	.65	.63	.55	.63	14	15	20	17	14	16	21	13	100	100	80	87	87
10	.48	.44	.40	.40	.30	.39	13	13	17	16	14	15	18	11	100	100	76	87	100
11	.24	.29	.25	.28	.30	.26	0	1	3	-5	-12	-3	14	-13	100	100	100	100	100
12	.26	.36	.42	.47	.57	.42	-22	-18	-9	-10	-6	-12	-5	-26	100	100	74	100	53
13	.68	.76	.76	.79	.82	.75	-1	8	11	11	13	8	14	-9	79	69	73	73	64
14	.89	.94	.92	.88	.83	.88	16	19	23	21	18	19	23	10	76	91	92	73	70
15	.63	.61	.63	.59	.58	.61	16	15	20	17	8	15	22	8	35	56	70	76	100
16	.59	.63	.63	.66	.70	.64	5	4	5	6	6	5	9	2	100	83	83	83	100
17	.73	.77	.80	.80	.81	.78	6	7	13	13	14	11	16	4	83	69	76	73	76
18	.77	.78	.75	.76	.75	.77	8	9	12	11	8	9	15	6	58	58	64	50	45
19	.74	.76	.75	.73	.74	.74	10	15	17	14	14	14	17	7	73	76	58	64	64
20	.77	.82	.81	.84	.74	.77	15	17	19	18	18	17	19	14	76	67	70	80	80
21	.79	.76	.69	.67	.61	.70	16	17	19	16	15	17	21	14	76	76	61	76	76
22	.58	.62	.67	.67	.64	.63	8	8	14	10	6	9	16	5	83	83	76	73	83
23	.64	.69	.68	.67	.70	.68	7	9	11	10	9	9	12	3	83	73	73	73	73
24	.70	.70	.68	.67	.68	.69	10	10	14	12	11	12	15	7	73	73	53	64	61
25	.66	.70	.69	.68	.73	.70	12	13	16	13	13	14	17	9	76	64	67	53	53
26	.77	.78	.74	.73	.69	.73	16	17	20	18	13	16	21	11	67	58	80	80	76
27	.66	.75	.72	.75	.74	.71	9	10	7	4	2	6	14	1	73	73	55	66	40
28	.71	.75	.76	.80	.82	.76	1	5	7	5	8	5	9	-2	65	69	60	63	45
29	.88	.90	.89	.90	.89	.88	12	14	15	13	14	14	16	6	76	76	44	53	64
30	.93	.98	.94	.92	.94	.94	13	14	23	25	20	19	26	6	53	76	80	73	82
Mean	.71	.74	.73	.74	.73	.72	10.9	12.8	16.5	14.6	12.4	13.3	18.5	7.0	78	77	73	76	75

REMARKS.

Nov. 9. Snow, B. D. N.; E. D. N.

Nov. 10. Snow, B. 5.00 P.M.; E. 6.00 A.M. of 11th.

NOVEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	W 28	SW 28	SW 12	SW 18	SW 42	615	.	.	.	.	F	Cr	Cr	Cr	Cr
2	W 72	SE 8	SW 11	SW 8	SW 28	852	.	.	.	.	F	Cr	Cr	Cr	Cr
3	W 52	SW 46	SW 20	SW 44	SW 50	977	.	.	.	.	F	Cy	F	Cr	Cr
4	SW 52	SW 16	SW 44	W 28	SW 40	1007	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	NE 26	NE 20	N 10	SW 18	W 28	676	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	W 23	W 30	W 32	SW 10	SW 24	653	.	.	.	.	Cr	F	Cr	F	Cr
7	W 14	W 6	S 8	SW 6	SW 6	266	.	.	.	.	Cr	F	Cy	F	Cr
8	W 9	W 8	W 15	SW 13	SW 25	319	.	.	.	.	F	Cr	Cy	Cr	Cr
9	W 24	SW 19	SW 22	SW 24	SW 48	576	T	.	.	T	F	Cr	F	Cr	Cr
10	SW 24	SW 44	S 46	S 29	SW 21	750	.	.	.06	.06	Cy	Cr	Cy	LS	LS
11	SW 8	SE 15	SW 11	S 10	W 12	285	.05	.01	.03	.09	LS	Cy	LS	LS	F
12	W 16	NE 10	NE High	N 30	NE 10	362	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	N 7	NE 12	NE 12	NE 11	NE 4	238	.	.	.	.	Cr	Cr	Cr	Cr	F
14	NE 3	NE 2	0	W 4	SW 5	61	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	W 36	W 28	S 3	SW 2	SW 12	351	.	.	.05	.05	Cr	F	Cr	Cy	LS
16	0	0	SW 20	SW 23	SW 14	189	.01	.01	.	.02	LS	Cy	Cr	Cy	F
17	W 32	NW 28	N 7	E 17	NE 26	404	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	NE 21	NE 24	E 24	SE 9	NE 15	504	.	.	.	.	Cr	F	Cr	Cr	Cr
19	NE 9	NE 8	NE 2	NW 14	NW 21	247	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	W 10	NE 6	NW 17	NW 28	NW 22	398	.	.	.	.	Cr	Cy	Cr	Cr	Cr
21	W 32	W 31	NW 40	W 45	W 62	809	.	.	.	.	Cr	Cy	Cr	Cr	Cr
22	W 60	NW 40	SW 12	SW 12	SW 32	940	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	W 32	N 28	NW 22	W 22	NW 14	697	.	.	.	.	Cr	Cr	F	Cr	Cr
24	0	0	0	NW 1	NW 4	123	.	.	.	.	Cr	F	Cr	F	Cr
25	SW 13	NE 1	0	NW 24	NW 32	194	.	.	.	.	Cy	Cy	Cr	Cr	Cr
26	NW 13	W 18	SW 12	SW 24	NW 20	469	.	.	.	.	Cr	Cr	Cr	F	Cy
27	NW 40	NE 25	NW 28	NW 24	NW 40	684	.	.	.	.	F	Cr	Cr	Cr	Cr
28	NE 46	NE 28	NE 18	NE 24	NE 32	739	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	NE 25	N 26	NW 36	N 24	NW 12	652	.	.	.	.	Cr	Cr	Cr	Cr	Cy
30	NW 20	NE 12	SW 1	NW 13	NW 12	275	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	25	19	*17	19	24	15302	.06	.02	.14	.22					

REMARKS.

Nov. 11. Snow, B. 11.30 A.M.; E. 8.30 P.M.

Nov. 15. Snow, B. 7.30 P.M.; E. 8.30 A.M. of 16th.

* For 29 days.

NOVEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	KS 5 W	0	0	0	K 1 W
2	0	0	0	0	0	s 7 W	0	K 1 SW	L. Haze	0
3	0	Hidden	CS 2 W	0	0	s 5 W	s 9 SW	KS 4 SW	0	s 1 W
4	0	0	0	0	0	0	0	s 1 W	L. Haze	0
5	0	0	0	CS 2	0	0	0	0	0	0
6	0	CK 7 SW	CS 1	0	0	0	0	0	s 6 SW	0
7	0	CS 6 N	K 4	0	0	0	0	s 4	s 4 SW	s 2
8	0	CS 1	C 2	0	0	s 5 W	0	{s 2 w k 4 w}	s 3 W	L. Haze
9	0	0	CS 6 SW	0	0	s 4	K 3 SW	0	s 2	L. Haze
10	Hidden	CS 2	K 5 SW	Hidden	Hidden	s 10 SW	K 1 SW	K 3 SW	N 10 SW	N 10 SW
11	Hidden	Hidden	Hidden	Hidden	0	N 10 SW	s 10 SW	N 10 SW	N 10 SW	s 5
12	0	0	0	0	0	s 1	0	0	0	0
13	0	0	0	0	0	0	0	L. Haze	0	s 4
14	0	0	0	0	0	0	0	0	0	0
15	0	CS 6 SW	CS 1	0	Hidden	0	0	0	s 9 SW	N 10 SW
16	Hidden	C 2	0	Hidden	0	N 10 SW	s 8 S	K 2 SW	s 10 SW	s 5
17	0	0	0	0	0	0	0	0	0	0
18	0	CS 6 NE	CS 3 NE	C 2 SE	C 3	s 1	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0
20	0	0	CS 1 NW	0	0	0	s 8	0	0	0
21	0	0	0	0	0	0	s 8 W	KS 2 W	s 1	0
22	0	0	CS 1	0	0	0	0	0	0	0
23	0	C 1	0	0	C 2	0	0	KS 5 NW	s 1 W	0
24	CS 1	CS 5 SW	CS 2	CS 4 W	C 1	0	0	0	0	0
25	0	Hidden	0	0	0	s 8 SW	s 10 W	KS 1 SW	0	0
26	0	CS 2 W	CS 3 SW	CS 5 SW	Hidden	0	0	0	0	s 10 NW
27	C 1	0	0	0	0	s 5 W	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	0	CS 2	0	0	Hidden	0	0	KS 3 NW	KS 3	s 10
30	0	0	CS 1	CS 3 NW	0	0	0	0	0	s 1

REMARKS.

Nov. 16. Snow, B. 11.00 A.M.; E. 12.15 P.M.

DECEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.92	.95	.95	.98	.99	.96	22	25	23	22	18	21	27	18	35	67	73	64	80
2	1.00	1.03	1.00	.96	.93	.98	17	20	22	18	19	19	23	13	46	69	80	58	67
3	.79	.73	.77	.78	.74	.77	16	15	18	16	14	16	20	10	48	44	48	48	42
4	.60	.63	.58	.57	.60	.60	15	13	16	14	9	13	20	8	50	55	76	52	66
5	.58	.63	.60	.64	.63	.60	5	11	11	9	8	8	11	0	69	38	61	73	69
6	.58	.70	.72	.72	.74	.68	8	10	13	11	10	10	15	0	83	73	76	87	87
7	.74	.76	.79	.79	.73	.76	12	14	19	18	18	16	20	4	76	53	51	70	48
8	.70	.70	.66	.58	.54	.63	16	17	20	17	14	17	22	12	56	46	51	58	64
9	.42	.37	.38	.44	.43	.41	5	-1	0	-3	-8	-1	18	-10	83	79	100	100	100
10	.40	.49	.57	.58	.50	.49	-11	-9	-1	2	5	-2	6	-15	100	100	79	33	83
11	.40	.40	.43	.45	.49	.44	8	9	14	8	7	10	15	5	69	73	76	83	69
12	.41	.39	.44	.53	.54	.46	4	5	8	5	5	6	10	2	83	83	100	100	100
13	.51	.55	.58	.69	.62	.57	13	13	18	17	16	16	18	2	64	64	80	76	56
14	.67	.73	.69	.70	.71	.69	18	18	18	14	11	16	20	9	80	91	91	87	100
15	.80	.83	.81	.78	.78	.79	1	7	11	12	11	8	14	0	100	69	73	76	73
16	.75	.75	.73	.71	.70	.73	8	11	17	17	19	15	20	6	83	87	67	67	70
17	.61	.61	.55	.51	.47	.54	17	19	19	15	14	17	21	12	76	70	70	87	87
18	.30	.29	.29	.32	.27	.29	6	1	7	7	5	6	14	-2	100	83	83	69	69
19	.26	.29	.27	.28	.33	.28	4	5	5	1	-2	2	9	-4	100	100	100	100	100
20	.27	.27	.26	.30	.34	.29	-4	-3	0	-3	-5	-3	2	-8	79	79	100	79	75
21	.38	.43	.42	.39	.44	.41	-8	-6	-5	-7	-3	-5	-3	-10	100	75	75	100	100
22	.44	.46	.46	.46	.52	.47	-6	-5	2	3	3	0	3	-9	100	100	100	83	83
23	.52	.50	.46	.50	.56	.51	9	4	5	5	2	5	10	0	87	100	83	100	100
24	.54	.53	.49	.53	.53	.52	0	0	6	6	7	4	8	-4	83	83	83	83	69
25	.54	.55	.55	.48	.60	.56	3	1	-3	-2	-9	-3	8	-11	83	100	100	100	100
26	.65	.66	.64	.63	.62	.63	-5	-2	1	2	-4	-3	2	-12	100	100	83	100	100
27	.58	.65	.66	.71	.74	.66	-10	-8	0	3	5	-2	5	-12	100	74	62	87	54
28	.76	.77	.74	.72	.70	.73	8	9	13	13	10	10	16	3	69	48	53	53	61
29	.60	.59	.56	.44	.41	.52	9	10	8	6	-1	5	14	-2	48	60	69	69	63
30	.39	.42	.39	.40	.40	.39	-7	-4	-1	-5	-7	-5	1	-10	74	79	62	100	100
31	.32	.33	.32	.36	.40	.35	-9	-9	-8	-10	-12	-10	-7	-15	100	100	74	100	100
Mean	.56	.58	.57	.58	.58	.57	5.3	6.1	8.9	7.5	5.8	6.7	12.3	-0.6	78	76	77	79	78

REMARKS.

Dec. 9. Snow, B. D. N.; E. 7.00 A.M.
 14. " B. 10.20 P.M.; E. D. N.
 18. " B. 6.00 A.M.; E. 6.30 A.M.

Dec. 19. Snow, { B. 6.30 A.M.; E. 7.15 A.M.
 { B. 10.45 A.M.; E. 6.00 P.M.
 20. " B. 1.35 P.M.; E. 3.45 P.M.

DECEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	W 40	NW 26	NE 12	NE 10	NW 8	564	.	.	.	.	Cr	Cy	Cy	Cy	Cr
2	NW 22	N 14	N 18	NE 32	NW 30	475	.	.	.	.	Cr	Cr	F	Cr	Cr
3	NW 48	N Gale	N 32	N 28	NW 40	762	.	.	.	.	Cy	F	F	Cy	Cy
4	NW 64	N 48	NW 42	NW 36	NW 24	1097	.	.	.	.	Cr	F	F	Cy	Cr
5	NW 36	NW 18	W 50	NW 30	NW ..	...	.	.	.	.	Cr	Cr	Cy	Cr	Cr
6	NW Gale	NW 36	NW 44	NW 48	W 46	...	.	.	.	.	Cr	F	F	Cr	Cr
7	NW 26	NW 19	NW 32	NW 58	W 42	926	.	.	.	.	Cr	Cr	F	Cr	Cr
8	NW 20	W 60	W 56	W 57	NW 40	1058	.	.	.	.	Cr	Cr	Cr	Cr	F
9	NW 24	W 30	W 45	NE 12	W 48	626	.05	.02	.	.07	LS	F	Cy	Cy	Cr	
10	NW 40	N Gale	N 47	N ..	W 68	...	.	.	.	.	Cr	F	Cr	Cr	Cr
11	W Gale	W Gale	W Gale	NW Gale	W Gale	...	.	.	.	.	Cr	Cr	F	Cr	Cr
12	SW Gale	SW Gale	SW Gale	NW Gale	SW Gale	...	.	.	.	.	Cy	Cy	Cy	Cy	Cr
13	NW Gale	W Gale	NW Gale	NW Gale	W Gale	...	.	.	.	.	Cr	F	Cy	Cy	F
14	NW Gale	N Gale	NW Gale	NE Gale	NE High	...	.	.	.	.	F	Cy	Cy	F	Cy
15	NE Gale	NE Gale	N High	NE Gale	NE Gale	...	.07	.	.	.07	Cr	Cr	Cr	Cr	Cr
16	NE Gale	NE Bsk	N Bsk	N Bsk	NE Bsk	...	.	.	.	.	F	Cr	F	F	Cr
17	NE Bsk	N Fr	SW Fr	W Fr	SW Fr	..	.	.	.	.	Cr	Cr	Cr	Cr	Cy
18	W Gale	NW Gale	W Gale	SW Gale	SW Gale	...	.	T	.	T	Cy	Cr	Cr	Cr	F
19	W Gale	NW Fr	NW Bsk	N Bsk	NW Fr	...	.	T	.01	.01	F	Cy	LS	LS	F
20	NW Lt	NW Lt	SW 12	W 4	W 2	...	.	.	.04	.04	Cr	Cy	Cy	F	Cr
21	W 4	NW 7	N 14	NW 39	N 24	297	.	.	.	.	Cr	Cr	Cr	F	Cr
22	NE 24	NE 26	NE 28	NE 35	N 28	684	.	.	.	.	F	Cy	Cy	F	F
23	N 18	NW 16	N 17	NE 12	N 15	446	.	T	.25	.25	Cy	LS	F	HS	Cy	
24	NE 28	NE 36	NE 27	NE 27	N 22	651	.	.	.	.	Cr	Cr	Cr	F	Cy
25	0	N 4	NE 5	NE 28	N 13	313	.	T	.	T	Cr	Cy	Cy	Cy	F	
26	NE 18	NE 14	NE 13	N 2	N 8	267	.	.	T	T	Cr	Fy	Cr	Cy	LS	
27	NE 8	NE 12	NE 21	NE 21	NE 16	284	T	T	.	T	LS	Cr	Cr	Cr	Cr	
28	NE 12	NE 8	0	NW 12	W 10	206	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	W 30	SW 12	SW 40	SW 24	NW 28	583	.	.	.	.	Cr	Cy	Cy	Cr	Cr
30	SW 36	SW 14	SW 13	SW 20	SW 16	487	.	.	.	.	Cr	Cr	Cr	Cr	Cr
31	NW 28	W 24	W 34	NW 17	SW 12	532	T	.	.	T	Cr	Cy	F	Cy	Cr	
Mean	*26	†22	‡27	§26	§25	||10258	.12	.02	.30	.44						

REMARKS.

Dec. 23. Snow, B. 8.45 A.M.; E. 9.15 A.M.

Dec. 23. Snow, B. 1.20 P.M.; E. 7.45 P.M.

* Mean for 20 days.

† Mean for 19 days.

‡ Mean for 22 days.

§ Mean for 21 days.

|| Total for 18 days.

DECEMBER, 1882.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	c 2 SE	Hidden	Hidden	Hidden	0	0	s 10NW	s 10 NE	s 10	s 1
2	0	cs 1	cs 4 NW	0	cs 2	0	0	0	s 1 N	0
3	0	0	{ c 1 NW } { cs 5 NW }	cs 9 N	Hidden	s 8 NW	KS 7 N	0	0	s 10 NW
4	0	c 1	c 2 W	Hidden	0	0	s 5NW	KS 4 W	KS 9NW	s 1
5	0	cs 3	cs 8 NW	cs 2	0	0	0	0	0	0
6	0	cs 4	cs 4	cs 1 NW	0	s 2	0	0	0	0
7	0	cs 3 NW	CK 4 NW	0	0	s 1	0	0	KS 3 N	s 1
8	0	cs 3	cs 1	0	0	s 2	0	0	0	K 4
9	Hidden	0	Hidden	Hidden	0	N 10 NW	K 7 W	K 9 W	s 10 NE	0
10	0	cs 5 N	cs 3 NW	cs 2	0	0	0	0	0	s 1
11	0	cs 2	cs 3	0	0	s 1	0	K 1 W	s 3	s 1
12	0	CK 6 W	cs 1	cs 4	0	s 8 SW	s 2 W	s 9 W	s 6 W	s 1
13	0	cs 7	cs 9	0	0	s 1	0	0	s 8NW	s 5 W
14	0	Hidden	cs 5	cs 5	Hidden	s 5	s 9	s 3NW	0	s 10 NE
15	0	cs 1	cs 2	0	0	0	0	0	s 1	s 1
16	0	cs 1	cs 7	cs 5 N	cs 1	s 6	0	0	0	0
17	0	0	0	0	cs 9 SW	s 1	0	0	s 1	0
18	Hidden	0	cs 2	0	CK 7 SW	s 10 W	s 1	0	s 2	0
19	0	Hidden	Hidden	Hidden	c 5 NW	s 4	s 10NW	N 10NW	N 10 N	0
20	0	0	Hidden	0	cs 2	0	s 8NW	KS 9 W	s 7 W	0
21	0	0	0	0	0	s 1	L. Haze	0	KS 6NW	0
22	0	0	Hidden	0	0	s 5 NE	s 8 NE	KS 10 NE	KS 6 N	s 5 N
23	0	Hidden	0	Hidden	Hidden	s 8 N	N 10NW	KS 5 N	N 10 NE	KS 10
24	0	0	c 1 NE	0	0	0	0	0	s 6 NE	KS 8 N
25	c 1	Hidden	Hidden	Hidden	0	0	KS 10 N	KS 10 N	KS 9 NE	KS 5 N
26	0	Hidden	K 1 NE	Hidden	0	0	D.Fog NE	0	KS 9 N	N 8 N
27	Hidden	0	0	0	0	N 10 NE	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	cs 3 W	cs 8 SW	0	0	0	0	0	s 8 SW	s 1 SW	s 1
30	cs 3	0	0	0	0	0	0	0	0	0
31	0	0	0	Hidden	0	0	KS 8 W	KS 7 W	KS 10 W	s 1

REMARKS.

Dec. 25. Snow, B. 8.00 A.M.; E. 8.30 A.M.
26. " B. 6.30 P.M.; E. 5.30 A.M. of 27th.

Dec. 31. Snow, B. D. N.; E. D. N.

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JANUARY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.47	.50	.53	.52	.52	.51	-14	-5	-7	-5	-11	-11	-2	-16	67	75	52	56	70
2	.39	.44	.44	.48	.53	.45	0	1	5	4	2	2	10	-8	83	83	83	83	83
3	.51	.54	.50	.49	.46	.49	1	3	6	4	4	4	7	-1	100	100	100	100	100
4	.41	.43	.45	.48	.52	.46	2	2	5	2	0	2	13	-1	66	83	83	83	83
5	.46	.43	.45	.49	.56	.49	-2	0	-1	-1	5	1	5	-3	79	83	79	79	69
6	.54	.52	.55	.54	.53	.54	8	6	8	6	8	8	9	2	69	83	83	83	69
7	.42	.44	.44	.43	.51	.46	2	3	1	-13	-16	-4	9	-20	83	52	65	100	100
8	.53	.54	.55	.54	.59	.55	-17	-12	-4	0	6	-5	6	-19	100	100	79	100	100
9	.70	.73	.75	.74	.76	.74	16	19	14	11	11	14	21	5	67	80	76	87	87
10	.69	.77	.74	.76	.76	.73	8	12	12	11	10	10	13	6	83	76	76	61	73
11	.72	.73	.63	.51	.39	.58	12	14	15	13	13	13	16	8	64	53	33	42	42
12	.23	.16	.20	.25	.27	.23	8	5	-3	-12	-16	-4	13	-18	45	54	100	70	65
13	.29	.40	.38	.36	.36	.34	-16	-4	-2	-2	-3	-7	-1	-20	65	56	42	42	38
14	.35	.32	.30	.30	.30	.32	-4	-1	1	-4	-6	-3	1	-8	100	100	100	79	100
15	.27	.30	.29	.29	.28	.28	-10	-8	-3	-5	-5	-6	1	-12	71	74	100	100	100
16	.23	.21	.19	.20	.17	.19	-11	-12	-10	-12	-16	-12	-4	-18	100	70	100	100	100
17	.14	.19	.11	.10	.06	.10	-22	-16	-11	-13	-15	-16	-6	-25	100	100	100	100	100
18	16.95	16.99	16.97	16.98	.03	16.98	-19	-20	-19	-20	-21	-20	-12	-24	100	100	100	100	100
19	.02	.03	16.98	16.98	16.97	16.99	-23	-18	-13	-11	-14	-17	-4	-26	100	100	100	100	100
20	16.88	16.92	16.92	16.98	16.98	16.92	-34	-33	-30	-27	-34	-33	-12	-37	100	100	100	100	100
21	.07	.18	.27	.31	.42	.25	-22	-16	-12	-10	-9	-14	-9	-34	100	100	100	71	100
22	.52	.62	.63	.71	.74	.63	-15	-12	4	3	4	-2	4	-19	100	70	83	83	66
23	.80	.81	.72	.73	.75	.76	10	8	8	9	8	9	11	-3	73	58	58	73	58
24	.66	.61	.65	.69	.70	.67	9	8	13	12	8	10	14	6	73	69	55	64	69
25	.57	.59	.61	.61	.52	.57	11	13	16	15	10	12	18	4	73	64	76	76	73
26	.41	.48	.47	.49	.46	.45	9	7	8	3	0	6	14	-2	100	100	100	100	62
27	.48	.53	.52	.51	.44	.48	-8	-6	-6	-7	-12	-9	10	-12	49	74	74	74	100
28	.45	.45	.48	.58	.60	.51	-6	-4	-2	-2	-2	-3	0	-12	100	100	100	79	100
29	.44	.35	.32	.32	.40	.39	1	4	6	4	3	3	7	-4	83	83	83	83	100
30	.38	.41	.42	.38	.38	.39	0	2	6	7	8	5	9	-2	62	91	83	83	83
31	.36	.37	.43	.38	.37	.39	8	7	10	10	10	9	11	6	83	83	73	73	87
Mean	.40	.42	.42	.42	.43	.42	-3.8	-1.7	0.5	-1.0	-2.3	-1.9	5.5	-9.9	82	81	82	81	83

REMARKS.

Jan. 4. Snow, B. D. N.; E. D. N.
7. " B. 2.30 P.M.; E. 8.30 P.M.

Jan. 14. Snow, B. 6.00 P.M.; E. D. N.
15. " B. 4.45 P.M.; E. D. N.

JANUARY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.							Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.						Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NE 15	W 16	NW 12	W 34	NE 48	469	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	NW 64	NW 51	W 36	NW 33	W 19	1090	.	.	.	.	Cr	Cr	Cr	Cy	Cr
3	NW 36	SW 18	SW 10	SW 14	W 8	501	.	.	.	.	F	Cr	Cr	F	F
4	W 38	W 40	SW 42	W 24	W 4	607	.01	.	.	.01	Cr	F	Cr	Cr	Cr	
5	SW 16	SW 14	NW 26	NW 28	NE 21	464	.	.	.	.	F	F	Cr	Cr	Cr
6	NE 34	NW 32	NW 42	NW 50	NW 50	1014	.	.	.	.	Cr	Cy	Cr	Cr	Cr
7	W 64	NW 41	NW 16	NE 26	N 18	940	.	.	.05	.05	Cr	Cr	Cy	LS	Cy	
8	NE 16	NE 22	NE 26	NE 34	NE 31	538	.	.	.	.	Cr	Cr	Cy	Cy	F
9	NE Gale	NE 36	N 22	NW 42	NW 19	491	.	.	.	.	F	Cy	Cr	Cr	Cr
10	NW 38	NE 23	NE 29	NE 18	NE 14	657	.	.	.	.	Cr	F	F	Cr	Cr
11	NE 15	NE 15	W 29	W 56	W 40	606	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	W Gale	W Gale	W Gale	NW High	NW Gale	...	.	.	.	.	Cr	Cr	Cy	Cr	Cr
13	NW Gale	NE Bsk	NW Gale	SW Gale	W Gale	...	.	.	.	.	Cr	Cr	Cr	Cr	F
14	SW Gale	SW Fr	SW Bsk	SW 16	SW 14	...	.	.	.03	.03	F	Fy	Cy	F	LS
15	SW 16	SW 13	SW 14	SW 12	SW 8	355	T	.	.02	.02	Cr	Cy	Cy	LS	LS	
16	SW 4	SW 16	SW 10	SW 12	W 34	329	.03	T	.02	.05	F	F	LS	LS	F	
17	W 56	SW 18	SW 16	SW 15	SW 7	758	.	.	.	.	Cr	Cr	Cy	Cy	Cy
18	W 29	SW 34	SW 34	SW 48	SW Gale	567	.06	T	.	.06	LS	Cr	Cr	Cr	F	
19	SW Gale	SW Gale	SW High	SW Fr	SW Fr	...	.	.	.	.	Cy	Cy	Cy	Cy	Cy
20	SW Gale	NE Gale	N Gale	N Gale	NW Gale	...	.	.	.	.	Cr	Cr	Cr	F	F
21	N Gale	N Gale	NW Gale	NW Gale	NW Gale	...	.	.	.	.	Cy	F	Cy	Cy	Cy
22	N Gale	NW Gale	NW Gale	NW Gale	NW Gale	...	.	.	.	.	Cr	F	F	F	Cr
23	NW Bsk	NW Bsk	NW Bsk	NW Bsk	NW Fr	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	NW Gale	NW Gale	NW Bsk	NW Fr	NW Fr	...	.	.	.	.	F	Cr	F	Cy	Cy
25	W Gale	W Gale	W Bsk	W Fr	W Bsk	...	.	.	.	.	F	F	Cy	Cy	Cr
26	W Gale	W Lt	SW Fr	NW Lt	NW Fr	...	.	.05	.07	.12	Cy	LS	HS	HS	F
27	N Lt	N Lt	N Lt	NW Gale	NW Gale	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
28	N Gale	NW Gale	NW Gale	NW Gale	NW Gale	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	W Gale	W Gale	W Gale	NW Gale	W Lt	...	.	.	.05	.05	Cy	Cy	Cy	Cy	HS
30	NW High	NW High	NW Lt	NW High	NW High	...	.15	.	.	.15	Cy	Cy	Cy	Cy	Cy
31	W High	NW High	NW Bsk	NW High	W Gale	...	.	.	.	.	Cy	Cy	Cy	Cy	Cy
Mean	*32	†26	‡24	§29	¶22	§9538	.25	.05	.24	.54						

REMARKS.

Jan. 16. Snow, B. 12.15 P.M.; E. 7.10 P.M.

Jan. 18. Snow, B. D. N.; E. 6.15 A.M.

* Mean for 14 days.

† Mean for 15 days.

‡ Mean for 16 days.

§ Total for 15 days.

JANUARY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	CS 1	0	C 1 NE	0	0	0	KS 2	0
2	0	{ c 1 NW } { CS 1 }	{ K 1 W } { CS 1 }	Hidden	0	0	0	0	KS 10 W	s 1
3	CK 4 N	CS 3 N	CS 1	CK 2 SW	0	0	0	0	s 3	s 7
4	0	0	0	0	0	KS 3 W	K 6 W	K 2 SW	0	s 1
5	0	0	c 1	0	0	K 6 SW	K 5 SW	K 2 NW	s 1	s 3
6	0	0	CS 2	0	0	s 2	s 8 NW	K 1 NW	s 2	s 2
7	0	0	K 3 NW	Hidden	0	KS 2	s 1	s 5	N 10	s 8
8	0	0	Hidden	Hidden	0	0	0	s 9 N	s 10	s 5
9	0	0	0	CS 3	0	s 4	s 9 NE	KS 2	0	s 1
10	0	CS 5	CS 7	CS 1	0	s 2	0	0	0	s 1
11	0	0	0	0	0	0	0	0	0	s 2
12	0	0	Hidden	0	0	s 1	s 1	s 9 W	s 1	0
13	0	0	0	CS 2	CK 5 W	0	0	0	s 1	0
14	0	Hidden	0	0	Hidden	s 5	D.Fog sw	K 8 SW	s 5 SW	N 10 SW
15	0	Hidden	Hidden	Hidden	Hidden	0	s 10 SW	s 10 SW	N 10 SW	N 10 SW
16	0	0	Hidden	Hidden	0	s 7 SW	K 5 SW	N 10 SW	N 10 SW	s 6 W
17	0	CK 2 SW	Hidden	Hidden	Hidden	0	0	s 10 SW	s 10 SW	s 10 SW
18	Hidden	CS 1	CS 2	0	0	N 10 W	K 2 SW	0	0	KS 4 W
19	Hidden	Hidden	Hidden	Hidden	Hidden	s 10 SW	KS 10 W	KS 10 SW	s 10 W	s 10 W
20	0	0	0	0	0	s 1	0	0	KS 5 N	s 6
21	Hidden	0	0	Hidden	Hidden	s 10 N	KS 5 N	s 8 NW	s 10 NW	s 10 NW
22	0	CS 5	CS 4 NW	0	0	0	0	K 2 NW	KS 4 NW	K 1 NW
23	0	0	K 1 NW	K 1 NW	c 1	0	0	0	0	0
24	0	CS 3 NW	CS 6 NW	0	0	KS 6	0	0	s 8 NW	s 8 NW
25	CS 5 W	CS 6 W	Hidden	Hidden	0	0	0	s 9 W	s 10 W	s 1 W
26	Hidden	Hidden	Hidden	Hidden	0	s 10 W	N 10	N 10	N 10	KS 5 W
27	0	0	0	0	0	0	0	0	KS 3 NW	s 3 NW
28	0	0	0	0	0	0	K 1 NW	KS 1 NW	K 1 NW	0
29	Hidden	Hidden	Hidden	0	Hidden	s 10 W	KS 10 W	KS 10 W	KS 8 NW	N 10
30	Hidden	Hidden	Hidden	Hidden	Hidden	KS 10	KS 10	KS 10 NW	KS 10	KS 10
31	Hidden	Hidden	Hidden	Hidden	Hidden	s 10 W	KS 9 NW	KS 10 NW	KS 10 NW	KS 10 W

REMARKS.

Jan. 26. Snow, B. 8.55 A.M.; E. 7.10 P.M.

Jan. 29. Snow, B. 6.30 P.M.; E. D. N.

FEBRUARY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.33	.32	.24	.24	.21	.26	7	7	10	9	8	8	15	6	69	69	73	87	83
2	.06	.08	.04	.09	.13	.08	1	4	5	1	0	2	12	-3	100	83	83	100	100
3	.12	.16	.15	.22	.27	.18	-9	-11	-9	-10	-12	-10	4	-13	100	100	74	71	100
4	.31	.38	.40	.45	.49	.40	-7	-6	-1	-2	-4	-4	0	-14	74	75	79	79	79
5	.54	.57	.52	.48	.44	.50	-6	-2	3	5	2	0	7	-8	75	79	83	83	100
6	.29	.21	.16	.21	.28	.24	0	2	0	-2	-7	-2	6	-7	83	83	100	100	100
7	.26	.25	.33	.33	.42	.34	-12	-12	-7	-8	-11	-10	-4	-14	100	100	100	100	100
8	.49	.55	.52	.54	.57	.53	-4	-2	3	1	-2	-1	5	-13	100	79	66	83	79
9	.60	.66	.59	.56	.51	.58	-2	2	6	4	2	2	7	-3	100	83	69	83	100
10	.48	.46	.46	.44	.41	.45	-3	1	8	4	0	2	9	-3	100	83	83	83	100
11	.38	.47	.51	.54	.54	.48	0	1	8	6	3	4	8	-4	62	46	69	83	100
12	.59	.60	.64	.68	.71	.64	0	2	9	8	6	5	11	-2	100	100	87	69	83
13	.57	.50	.46	.46	.45	.49	10	13	14	11	9	11	14	6	100	100	100	100	100
14	.41	.43	.44	.39	.32	.39	4	7	11	9	1	5	12	1	83	69	73	87	83
15	.16	.12	.04	.08	.06	.09	1	3	5	-1	-12	-2	6	-14	100	100	100	100	100
16	.14	.21	.30	.42	.49	.31	-20	-23	-20	-17	-18	-19	-12	-27	100	100	100	100	100
17	.63	.70	.72	.78	.80	.72	-15	-11	-7	-3	3	-6	3	-20	100	70	74	79	66
18	.87	.92	.94	.95	.96	.92	13	19	22	20	15	17	22	3	64	70	64	70	87
19	.92	.94	.92	.93	.95	.93	16	21	22	22	18	19	23	14	67	73	80	80	91
20	.93	.95	.93	.89	.90	.92	16	17	24	24	19	20	25	13	76	76	73	73	70
21	.81	.82	.81	.78	.78	.80	16	18	24	22	18	19	26	15	76	70	64	80	80
22	.69	.67	.62	.61	.59	.63	13	15	21	19	15	16	22	12	86	87	91	91	100
23	.54	.54	.54	.54	.54	.54	12	11	15	17	13	13	17	10	100	100	87	87	100
24	.48	.48	.53	.59	.63	.55	5	-8	-9	-3	-2	-2	15	-11	100	100	100	79	79
25	.75	.76	.85	.86	.87	.82	5	6	9	9	6	7	11	-3	54	54	58	58	83
26	.89	.92	.94	.95	.96	.93	3	5	9	10	8	7	13	2	66	69	73	73	45
27	.96	.97	.96	.93	.93	.95	6	11	18	16	10	11	19	4	55	61	58	56	61
28	.88	.85	.85	.85	.85	.86	9	10	17	17	12	13	20	7	73	73	76	67	76
Mean	.54	.55	.55	.56	.57	.56	2.1	3.6	7.5	6.7	3.6	4.4	11.3	-2.4	84	80	80	82	87

REMARKS.

Feb. 2. Snow, B. 8.00 P.M.; E. D. N.
6. " B. 11.20 A.M.; E. 11.40 A.M.

Feb. 6. Snow, { B. 1.20 P.M.; E. 2 35 P.M.
 { B. 8.20 P.M.; E. D. N.

FEBRUARY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	w Bsk	w Bsk	sw High	sw Bsk	sw High	...	.	.	.	.	F	F	Cr	Cr	F
2	w Gale	sw High	sw High	sw Gale	sw High	...	.	.	.05	.05	Cr	F	F	Cy	IIS
3	nw Lt	nw Lt	sw Fr	sw Lt	sw Fr	...	.04	.	.	.04	Cy	Cy	F	F	Cr
4	w Fr	sw Lt	sw Lt	sw Lt	sw Lt	...	.	.	.	.	Cy	F	Cy	Cr	Cr
5	w Lt	sw Lt	sw Fr	sw Fr	sw Fr	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	sw Fr	w Bsk	sw Lt	w Bsk	sw Lt	...	.	T	.06	.06	Cr	F	Cy	F	LS
7	sw Bsk	sw High	w Bsk	w High	nw Lt	...	.06	.	.	.06	Cy	Cy	F	F	Cr
8	nw Fr	nw Fr	sw Fr	sw Fr	sw Fr	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	w Bsk	sw Fr	sw Bsk	sw Bsk	sw Fr	...	.	.	.	.	Cr	Cr	F	F	Cy
10	sw Bsk	w Gale	sw Fr	sw Bsk	sw Bsk	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	w Gale	w Gale	sw Fr	s Fr	sw Bsk	...	.	.	T	T	Cr	Cr	Cr	Cy	Cy
12	sw Bsk	sw Fr	sw Fr	sw Fr	sw Lt	...	.	.	.	.	F	Cr	Cr	Cy	Cr
13	sw High	sw Bsk	sw Bsk	w Bsk	w Gale	...	T	T	.	T	LS	Cy	Cy	Cy	Cr
14	w High	w Gale	s Fr	sw Fr	sw Bsk	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	w Bsk	w High	sw High	sw Fr	w High	...	.	.02	.01	.03	Cy	LS	LS	LS	Cr
16	NE High	NE Gale	NE Bsk	nw Fr	NE Fr	...	.	.	.	.	Cr	Cy	Cy	F	Cr
17	NE Fr	NE Fr	NE Fr	NE Fr	N Bsk	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	NE Bsk	NE Fr	N Gen.	NE Lt	N Lt	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
19	sw High	nw Fr	nw Bsk	nw Gen.	nw Fr	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	nw Bsk	nw Bsk	sw Fr	sw Bsk	w Bsk	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
21	sw High	sw High	w Bsk	E Gen.	sw Lt	...	.	.	.	.	Cr	Cy	F	Cr	Cr
22	sw Bsk	sw Bsk	sw Fr	w Fr	nw Lt	...	.	.	.12	.12	Cr	Cr	Cr	LS	LS
23	sw Gen.	w Fr	nw Gen.	w Lt	sw Gen.	...	.03	.	.08	.11	Cy	Cr	F	Cy	LS
24	sw Bsk	nw High	N Bsk	nw Gale	nw Gale	...	.02	T	.	.02	LS	Cy	Cr	Cr	Cr
25	NE Bsk	NE Fr	N Fr	N Gen.	nw Fr	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	N Gen.	N Lt	nw Lt	w Lt	NE Gen.	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
27	sw Gen.	sw Lt	s Fr	s Gen.	sw Fr	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
28	sw Bsk	sw Bsk	s Fr	sw Gen.	w Fr	...	.	.	.	.	Cr	Cr	Cr	F	Cr
Mean						*	.15	.02	.32	.49					

REMARKS.

Feb. 11. Snow, B. 6.30 P.M.; E. 7.15 P.M

Feb. 13. Snow, B. D. N.; E. 6.00 A.M.

* Total omitted, — anemometer broken.

FEBRUARY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	cs 1 sw	0	0	ks 4 w	ks 5 w	0	s 2 sw	s 6 sw
2	0	cs 3 w	0	0	Hidden	s 2 w	ks 2	ks 6 sw	ks 8 sw	n 10
3	Hidden	Hidden	0	0	0	ks 10	ks 10 nw	ks 5 sw	ks 5 sw	0
4	Hidden	0	Hidden	k 1 sw	0	ks 10 w	ks 5 w	ks 10 sw	0	0
5	0	0	0	0	0	0	0	ks 1	ks 1 sw	ks 1 sw
6	0	0	Hidden	0	Hidden	k 3 sw	ks 4 sw	ks 10 sw	ks 7 w	n 10
7	Hidden	Hidden	0	0	0	ks 10 w	ks 9 sw	ks 7 w	k 5 w	0
8	0	0	cs 1	0	0	0	0	0	0	0
9	0	cs 1	0	cs 4 sw	Hidden	s 1	0	ks 7 sw	0	s 10
10	0	cs 1	cs 3	cs 1	0	s 1	0	0	0	0
11	0	0	0	0	Hidden	0	0	0	s 9 sw	s 10 sw
12	0	0	ck 3 sw	cs 8 sw	0	s 5 sw	0	0	0	s 2
13	Hidden	Hidden	Hidden	0	cs 1	n 10 sw	s 10 sw	s 9 sw	s 8 sw	0
14	0	0	cs 1	0	0	s 1	0	0	0	0
15	Hidden	Hidden	Hidden	Hidden	0	s 10	n 10 w	n 10 sw	n 10 sw	k 3 w
16	0	Hidden	Hidden	0	0	s 1	s 10 ne	s 10 ne	s 4 nw	0
17	0	0	0	0	cs 1	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	k 1	0
20	0	0	0	0	0	0	0	0	0	0
21	0	cs 8	cs 6	cs 1	cs 1	s 1	0	0	k 1	0
22	0	0	cs 1	0	Hidden	0	0	k 1	n 9 w	n 10
23	Hidden	0	0	0	Hidden	s 10 sw	0	k 4 nw	s 9 w	n 10 sw
24	Hidden	Hidden	0	0	0	n 10 sw	s 10 nw	k 1 n	0	0
25	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0
28	cs 1	cs 3	cs 3	cs 5	0	0	0	0	0	s 2

REMARKS.

Feb. 15. Snow, { B. 6.00 A.M.; E. 9.30 A.M.
 { B. 12.30 P.M.; E. 7.00 P.M.

Feb. 22. Snow, B. 4.50 P.M.; E. D.N.

23. " B. 6.40 P.M.; E. 8.00 A.M. of 24th.

MARCH, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.76	.83	.86	.88	.89	.84	5	7	15	13	8	9	18	4	100	83	87	87	83
2	.90	.94	.97	.98	1.01	.96	8	12	13	11	7	9	15	6	83	64	64	61	55
3	.97	.97	.94	.91	.87	.93	6	11	20	19	14	13	21	5	83	87	80	70	87
4	.80	.79	.75	.73	.70	.75	12	15	18	14	12	14	20	9	87	100	91	87	100
5	.63	.62	.60	.60	.60	.61	10	10	13	11	6	10	16	5	100	87	87	100	83
6	.65	.71	.71	.71	.74	.70	8	11	15	13	8	10	15	3	58	87	76	87	83
7	.77	.81	.80	.80	.81	.79	11	14	17	18	12	13	22	7	61	76	76	70	76
8	.79	.80	.79	.77	.76	.78	12	15	20	19	16	16	21	10	87	87	80	80	87
9	.71	.71	.68	.69	.69	.69	12	12	14	14	10	12	16	9	40	76	76	76	73
10	.68	.70	.70	.70	.73	.70	8	10	15	17	11	11	19	7	69	87	76	76	73
11	.74	.75	.77	.76	.66	.72	9	12	19	17	12	13	19	8	58	40	61	76	76
12	.74	.78	.76	.74	.75	.75	10	13	19	17	11	13	19	9	73	64	70	87	73
13	.73	.75	.74	.74	.76	.74	9	13	18	15	11	13	19	8	100	64	80	76	87
14	.76	.78	.78	.77	.79	.78	11	15	18	16	13	14	19	8	61	76	91	87	87
15	.78	.79	.78	.77	.74	.77	8	9	11	13	10	10	14	2	100	100	87	87	87
16	.68	.68	.68	.67	.68	.68	8	6	12	11	9	10	15	2	58	83	76	100	100
17	.68	.70	.67	.63	.57	.64	13	17	22	21	15	17	23	7	64	67	73	53	67
18	.47	.53	.50	.46	.50	.49	11	12	20	13	3	11	20	3	61	64	61	100	100
19	.49	.53	.51	.49	.56	.52	- 2	1	6	9	7	4	11	- 3	79	65	83	100	100
20	.56	.58	.63	.59	.61	.60	9	10	14	15	14	12	15	7	87	100	100	100	100
21	.62	.66	.70	.74	.77	.70	12	11	16	15	14	14	17	10	100	100	100	87	76
22	.75	.78	.76	.71	.71	.74	16	20	22	26	19	19	27	12	67	70	64	67	70
23	.60	.60	.55	.46	.50	.55	15	20	20	20	16	17	23	13	67	70	80	80	76
24	.46	.50	.50	.51	.54	.50	12	15	18	17	13	14	20	10	87	76	73	76	87
25	.57	.51	.65	.66	.67	.63	11	9	18	17	14	14	20	7	100	87	91	76	87
26	.61	.65	.72	.71	.71	.68	14	15	23	24	19	19	25	12	87	76	73	80	80
27	.62	.67	.65	.62	.54	.60	17	22	29	23	18	21	29	16	76	80	84	80	80
28	.50	.53	.59	.59	.55	.55	14	15	25	23	17	19	26	13	87	76	80	80	87
29	.39	.41	.47	.46	.44	.44	10	12	19	18	11	13	21	8	100	100	80	80	87
30	.37	.38	.38	.39	.41	.38	9	11	11	11	9	10	15	8	100	100	100	100	100
31	.36	.44	.38	.42	.46	.40	8	6	9	8	8	8	13	4	100	83	100	100	83
Mean	.65	.67	.68	.67	.67	.66	10.2	12.3	17.0	16.1	11.8	13.0	19.1	7.4	80	80	81	83	84

REMARKS.

March 1. Snow, B. 1.20 P.M.; E. 3.00 P.M.
 4. " { B. D.N.; E. D.N.
 { B. 8 55 A.M.; E. 4.00 P.M.
 5. " B. 1.30 P.M.; E. 5.15 P.M.

March 12. Snow, B. 4.00 P.M.; E. 6.30 P.M.
 14. " { B. 10.30 A.M.; E. 2.15 P.M.
 { B. 6.10 P.M.; E. 7.30 P.M.
 15. " B. D.N.; E. 6.30 A.M.

MARCH, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.								Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.							Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07												
1	w Gale	NE Fr	s Lt	sw Lt	sw Bsk	...	.	.	T	T	Cr	Cr	Cy	F	Cr
2	sw Bsk	N Fr	NE Fr	NE Gen.	s Fr	...	.	.	.	.	Cr	Cr	Cr	F	Cr
3	sw Bsk	sw Bsk	s Gen.	sw Lt	0	...	.	.	.	.	Cr	F	Cy	F	F
4	sw 4	s 4	sw 13	sw 12	sw 17	207	.03	T	T	.03	F	LS	LS	F	Cy		
5	w 12	w 7	nw 2	N 15	nw 28	328	.	.	.04	.04	Cy	F	Cy	LS	Cr		
6	NE 8	sw 6	sw 10	sw 32	sw 34	459	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	NE 27	NE 2	0	sw 4	sw 12	417	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	sw 11	0	w 1	nw 1	nw 6	112	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	nw 32	N 18	N 4	N 14	nw 32	437	.	.	.	.	Cr	Cr	Cr	F	Cr
10	N 10	N 9	N 6	sw 9	N 26	389	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	N 10	0	sw 17	sw 17	w 32	385	.	.	.	.	Cr	Cr	Cr	F	Cr
12	nw 41	nw 12	0	sw 16	sw 8	455	.	.	T	T	Cr	F	Cr	Cy	Cr		
13	sw 17	nw 1	N 1	NE 3	0	195	.	.	.	.	Cr	Cr	F	Cy	Cr
14	NE 10	0	E 6	sw 11	0	97	.	.03	.02	.05	Cr	Cr	LS	F	Cy		
15	w 1	w 11	NE 8	nw 11	w 24	216	.04	T	.	.04	LS	F	Cr	Cr	Cr		
16	NE 14	N 4	0	N 1	nw 24	319	.	.	.02	.02	Cr	Cy	F	Cr	Cr		
17	NE 18	NE 12	sw 18	nw 19	w 46	490	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	nw 50	N 4	sw 20	sw 18	NE 9	607	.	.	.04	.04	Cr	Cy	Cy	LS	LS		
19	NE 4	NE 4	N Gale	nw Gale	nw Gale	...	.01	.	.	.01	Cr	Cr	Cr	F	F
20	NE Gale	nw Gale	nw High	nw Gale	nw Gale	...	.	.	.	.	Cy	Cy	Cy	Cy	Cy
21	nw Gale	nw High	nw Fr	N Fr	nw High	...	.02	T	.	.02	LS	Cy	Cy	Cr	Cr
22	nw High	NE Bsk	N Gen.	sw Lt	sw Gen.	...	.	.	.	.	Cr	F	Cr	F	F
23	sw Gen.	SE Lt	NE Gen.	s Lt	NE Lt	...	.	.	.	.	Cr	F	Cy	Cy	Cr
24	NE Fr	NE Bsk	NE Lt	NE Lt	NE Fr	...	.	.	.	.	F	F	F	F	Cr
25	N Gale	nw Bsk	sw Fr	sw Fr	sw High	...	.	T	T	T	Fy	Cr	LS	Cy	F
26	nw Gale	nw Gale	nw Bsk	nw Fr	w Bsk	...	.	.	.	.	Cy	Cr	F	Cr	Cr
27	w Gale	sw Bsk	sw High	sw Gale	w Gale	...	.	.	.	.	Cr	F	Cy	F	F
28	sw Gale	sw Gale	sw High	sw Fr	sw High	...	.	.	.	.	F	F	F	Cy	Cr
29	nw Gale	nw Gale	w Gale	sw High	w Gale	...	.	T	T	T	F	F	F	F	Cr
30	w Gale	sw High	nw High	nw Fr	sw Lt	...	.	.04	.05	.09	Cy	LS	LS	LS	Cy
31	w Lt	w High	N Lt	sw Bsk	w High	...	.06	.11	.10	.27	HS	Cy	HS	LS	Cy
Mean	*17	*12	†7	†12	*19	‡5113	.16	.18	.27	.61							

REMARKS.

March 16. Snow, { B. 2.30 P.M.; E. 4.30 P.M.
 { B. 6.00 P.M.; E. 6.40 P.M.

March 18. Snow, B. 2.00 P.M.; E. D. N.
21. " B. D. N.; E. 6.30 A.M.

* Mean for 16 days.

† Mean for 15 days.

‡ Total for 15 days.

MARCH, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	0	0	K 8	KS 6	0
2	0	0	CS 1	CS 7	0	0	0	0	0	s 1
3	0	CS 4	CS 9	0	c 2	s 1	0	0	KS 6 SW	s 4 SW
4	CS 5	Hidden	Hidden	0	Hidden	0	N 10	N 10 SW	KS 5 SW	s 10
5	0	c 3 w	Hidden	Hidden	0	KS 8	s 2	KS 10 W	N 10	0
6	0	0	0	0	0	s 1	0	0	0	0
7	0	CS 1	0	0	0	0	0	K 1 W	K 1	0
8	0	0	0	0	0	0	0	0	0	0
9	CK 1 NW	CS 3 N	CS 3	CS 6 N	0	KS 2	0	0	0	0
10	0	0	0	K 1 NW	0	s 1	KS 1	K 1 N	L. Haze	0
11	0	0	{ c 1 CS 1 SW }	CS 6 SW	0	0	KS 2	0	0	0
12	0	0	c 1	Hidden	CS 1	KS 3	KS 7 NW	K 1 W	KS 9 SW	0
13	0	0	0	K 3 NW	0	0	0	{ K 2 KS 2 }	s 5 NW	0
14	0	CK 1	Hidden	K 6 NW	0	0	K 2	s 10 E	0	K 8 NW
15	Hidden	CS 3	CS 1	0	0	N 10	K 3 W	K 2 NE	0	0
16	0	0	0	0	0	s 1	s 8 N	K 7 NE	K 3 NW	K 3 NW
17	0	CS 1	c 2	0	0	0	0	0	0	0
18	0	CS 8	Hidden	Hidden	Hidden	0	0	K 10 SW	N 10 SW	N 10
19	0	0	CS 1	CK 2	0	0	0	0	s 5 NW	K 6 NW
20	Hidden	Hidden	0	0	Hidden	KS 10 NE	s 10 NW	s 8 NW	s 9 NW	s 10 NW
21	Hidden	Hidden	0	0	0	N 10 NW	s 10 NW	K 9 NW	K 1 NW	0
22	CS 1	c 5	c 2	CS 5	c 7	0	0	0	K 2	0
23	CS 3	{ c 3 CS 3 }	CS 1	CS 4	0	0	0	s 9 E	s 5	0
24	CS 5 NE	CS 5 NE	CS 3	CS 5	CS 1	0	0	{ L. Haze K 2 NE }	K 2 NE	0
25	Hidden	CS 2	Hidden	0	0	D. Fog	0	N 9 W	KS 8 SW	KS 5 SW
26	Hidden	0	0	0	0	KS 10 NW	KS 1 NW	K 3 NW	K 2 NW	KS 2
27	0	CS 2 W	CS 2	CS 2	0	0	KS 3 SW	KS 6 SW	KS 5 SW	KS 6 W
28	0	c 1	0	0	0	{ KS 4 W s 3 }	KS 4 W	KS 6 SW	KS 8 SW	0
29	0	0	0	0	0	{ K 2 NW KS 3 }	KS 5 NW	K 5 W	KS 5 SW	KS 1 W
30	Hidden	Hidden	Hidden	Hidden	0	KS 10 W	N 10 SW	N 10 NW	N 10 NW	KS 8 SW
31	Hidden	0	Hidden	Hidden	Hidden	N 10 W	KS 8 W	N 10 NW	N 10 SW	KS 10 W

REMARKS.

March 25. Snow, B. 1.00 P.M.; E. 3.10 P.M.

29. " { B. 11.15 A.M.; E. 11.30 A.M.
B. 3.00 P.M.; E. 3.10 P.M.

30. " B. 8.55 A.M.; E. 9.10 A.M.

March 30. Snow, B. 11.00 A.M.; E. 5.10 P.M.

31. " { B. D.N.; E. 7.15 A.M.
B. 10.30 A.M.; E. 5.55 P.M.

METEOROLOGICAL OBSERVATIONS.

APRIL, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.45	.47	.54	.62	.60	.53	4	5	5	8	3	4	14	1	100	83	83	83	100
2	.65	.66	.68	.66	.62	.65	7	7	17	19	14	13	20	2	83	83	76	70	87
3	.60	.72	.71	.57	.53	.61	10	16	23	22	15	16	25	9	87	76	80	53	76
4	.50	.54	.49	.45	.39	.46	11	16	23	16	13	16	25	10	73	56	73	87	100
5	.37	.41	.43	.45	.48	.43	12	2	12	11	6	10	14	-3	87	83	87	100	100
6	.46	.50	.52	.56	.60	.53	2	7	13	14	5	7	15	0	100	100	100	100	100
7	.67	.72	.74	.74	.77	.72	7	12	14	18	11	11	19	2	55	50	76	80	87
8	.68	.73	.72	.67	.67	.69	13	16	25	24	17	18	27	9	64	56	67	80	76
9	.58	.58	.54	.43	.51	.54	12	18	23	16	11	15	25	10	76	80	80	100	100
10	.46	.56	.63	.60	.57	.55	5	4	16	16	11	11	20	2	100	83	76	67	87
11	.35	.44	.50	.47	.48	.44	7	10	17	19	14	13	19	6	100	100	87	80	87
12	.42	.40	.43	.40	.36	.40	14	16	19	22	17	17	24	13	100	100	100	73	76
13	.22	.21	.20	.25	.26	.23	13	14	11	11	4	9	17	2	100	100	100	73	100
14	.29	.34	.47	.57	.62	.46	4	-6	-1	-2	-8	-2	5	-10	100	100	100	100	74
15	.69	.81	.86	.88	.88	.81	-3	9	15	17	14	9	17	-13	79	48	67	58	53
16	.90	.94	.93	.88	.88	.90	15	19	28	25	21	21	29	8	44	51	77	67	73
17	.75	.79	.80	.76	.76	.77	15	18	29	26	22	22	30	14	56	58	67	74	73
18	.67	.71	.72	.74	.74	.71	13	19	18	20	17	16	22	12	100	80	100	100	100
19	.67	.74	.72	.66	.60	.67	12	16	26	26	20	19	27	11	64	67	74	84	80
20	.46	.42	.30	.13	.12	.29	15	23	26	13	10	17	26	8	67	64	92	87	73
21	16.93	16.84	16.92	.33	.24	.03	6	1	3	2	1	3	11	-1	100	100	83	100	100
22	.16	.22	.28	.32	.35	.26	0	5	7	7	4	4	9	-1	100	83	69	69	83
23	.22	.34	.39	.46	.55	.39	2	9	10	5	2	5	15	1	100	73	87	83	100
24	.69	.77	.78	.79	.79	.75	1	8	12	12	9	7	13	0	100	83	76	76	73
25	.71	.66	.63	.63	.65	.66	10	14	17	17	13	13	18	8	73	76	100	100	76
26	.60	.61	.62	.63	.64	.62	12	14	20	19	14	15	22	11	87	76	91	91	87
27	.59	.62	.63	.65	.66	.62	9	12	12	11	9	10	15	6	87	75	87	100	100
28	.70	.74	.77	.66	.66	.71	6	12	18	18	13	12	19	6	100	87	80	100	87
29	.73	.72	.69	.69	.71	.73	12	16	19	19	14	15	21	10	100	76	100	100	87
30	.63	.67	.69	.66	.68	.67	11	13	20	19	16	16	21	9	100	87	100	100	100
Mean	.52	.56	.58	.58	.58	.56	8.6	11.5	16.6	15.7	11.1	12.1	19.4	4.7	86	78	84	84	86

REMARKS.

April 4. Snow, B. 4.40 P.M.; E. D. N.
 5. " { B. 1.50 P.M.; E. 4.30 P.M.
 { B. 6.15 P.M.; E. D. N.
 6. " { B. 1.20 P.M.; E. 5.30 P.M.
 { B. 6.25 P.M.; E. 6.55 P.M.

April 9. Snow, { B. 2.20 P.M.; E. 4.00 P.M.
 { B. 7.00 P.M.; E. 7.40 P.M.
 11. " B. D. N.; E. 6.30 A.M.
 12. " B. 6.45 A.M.; E. 7.30 A.M.
 13. " B. 5.15 A.M.; E. 6.45 A.M.

APRIL, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	w High	w High	nw Fr	nw Fr	nw Gale	...	.	.	.	.	Cy	F	Cr	F	Cr
2	nw Gale	w Gale	w High	sw High	sw Fr	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	sw High	sw Fr	sw Bsk	sw Bsk	w Gale	...	.	.	.	.	Cr	Cr	F	F	Cr
4	sw Gale	sw Gen.	s Fr	sw Bsk	s Gale	...	.	.	.02	.02	Cr	Cr	F	LS	HS
5	sw Lt	w Bsk	sw Lt	sw Lt	s Lt	...	.03	.	.08	.11	Cr	Cr	Cy	Cy	LS
6	sw Fr	0	NE Lt	NE Gen.	NE Fr	...	.03	.	.14	.17	Cr	F	Cy	LS	F
7	nw Fr	N Fr	sw Fr	sw Bsk	sw Fr	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	nw Gale	nw High	sw Lt	sw Fr	sw Fr	...	.	.	.	.	Cr	Cr	Cy	F	Cr
9	sw Bsk	sw Bsk	sw Bsk	sw Gale	w Gale	...	.	.	.03	.03	Cr	Cr	Cr	F	Cy
10	w Gale	nw Gale	sw Gen.	sw Bsk	sw Fr	...	.	.	.	.	Cy	Cr	Cr	Cy	Cy
11	sw Gale	sw Gale	sw High	sw High	sw Gale	...	.02	.01	.	.03	LS	Cy	Cy	Cy	F
12	sw High	sw Bsk	w Fr	w Fr	w Gale	...	.	.03	.	.03	Cy	Cy	Cy	Cy	Cr
13	w Gale	sw High	w High	w Fr	nw Lt	...	.	.04	.01	.05	Cy	LS	Cr	Cy	LS
14	N Gale	NE Gale	N High	N Br	N Gale	...	.05	.	.03	.08	Cy	Cy	Cy	Cy	Cr
15	NE Gale	NE High	sw Gale	w High	nw Gale	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	nw Gale	sw Lt	s Lt	sw Fr	w Fr	...	.	.	.	.	Cr	Cr	Cy	Cy	F
17	nw High	w Bsk	sw Gen.	w Bsk	nw Lt	...	.	.	.	.	Cr	Cr	F	Cy	Cy
18	sw High	sw Lt	nw Fr	w Fr	sw High	...	.05	.12	.03	.20	Cy	Cy	LS	Cy	Cy
19	nw Gale	w Gen.	sw Gen.	sw Fr	sw High	...	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	sw Fr	sw Gen.	s Fr	sw Gale	N Lt	...	.	.	T	T	Cr	F	Cy	Cy	Cr
21	NE Gale	nw Gale	nw Gale	NE Gale	N Gale	...	.12	.	.	.12	Cy	Cy	Cy	Cy	Cy
22	NE Gale	NE Gale	NE Gale	NE High	nw Bsk	...	.	.	.11	.11	F	F	Cy	LS	F
23	NE Lt	nw Lt	nw 4	nw 5	nw 4	...	.05	.05	.04	.14	HS	LS	LS	LS	F
24	w 8	s 13	sw 30	sw 26	sw 24	370	.	.	.	.	Cr	Cr	F	F	Cr
25	sw 36	sw 32	sw 36	sw 14	w 8	661	.	.	.08	.08	Cr	F	Cy	Cy	F
26	sw 16	sw 15	sw 16	sw 11	sw 14	340	.12	.	.04	.16	Cy	Cy	Cy	LS	F
27	w 10	w 6	nw 16	nw 18	sw 40	364	.08	.06	.02	.16	HS	Cy	IIS	HS	Cy
28	N 17	N 4	NE 3	w 8	sw 18	405	.	.	.09	.09	Cr	Cr	Cy	LS	F
29	sw 6	sw 14	sw 20	N 8	N 16	311	.	.02	.04	.06	Cy	Cy	HS	HS	Cr
30	nw 28	w 25	w 12	sw 23	nw 32	575	.	.03	.01	.04	Cr	F	LS	Cy	Cr
Mean	*17	*16	†17	†14	‡20	‡3102	.55	.36	.77	1.68					

REMARKS.

April 13. Snow, { B. 8.00 A.M.; E. 10.15 A.M. B. 6.30 P.M.;	April 18. Snow, B. 11.25 A.M.; E. 2.30 P.M.
{ E. 7.30 P.M. B. 8.45 P.M.; E. D. N.	20. " B. 7.15 P.M.; E. 7.45 P.M.
14. " B. 2.10 P.M.; E. 4.50 P.M.	21. " B. D. N.; E. D. N.
18. " B. D. N.; E. D. N. B. 9.25 A.M.; E. 10.30 A.M.	22. Snow, B. 3.30 P.M.; E. 7.28 P.M.

* Mean for 7 days.

† Mean for 8 days.

‡ Total for 7 days.

1889AnHar...22...1P

APRIL, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	cs 4 NW	0	KS 8 W	KS 5 W	0	0	0
2	0	0	cs 1 W	cs 2 W	0	0	0	0	0	0
3	0	cs 2	cs 5 SW	ck 3 SW	0	s 3	0	K 1 SW	K 2 SW	0
4	0	cs 1 SW	0	Hidden	Hidden	s 1	0	KS 7 S	N 10 SW	N 10 S
5	0	0	Hidden	Hidden	Hidden	0	0	KS 10 SW	KS 10 SW	N 10
6	0	0	Hidden	Hidden	0	s 1	K 5 SE	s 10 NW	N 10	s 4 NE
7	0	0	0	0	0	0	0	0	0	0
8	0	c 3	0	cs 6 SW	0	K 2	0	K 8	0	s 2
9	0	0	0	0	0	s 1	0	K 3 SW	K 6 SW	KS 8 W
10	Hidden	0	cs 3	cs 1	Hidden	KS 10 W	0	0	s 8 SW	s 10
11	Hidden	0	0	{ c 4 } { cs 5 }	0	N 10 SW	s 9 SW	K 8 SW	0	s 6 SW
12	Hidden	Hidden	Hidden	c 3	0	s 10 SW	s 10 SW	s 10 SW	s 6 SW	s 1
13	Hidden	Hidden	0	0	Hidden	s 10	N 10 SW	K 2 W	s 8 W	N 10 NW?
14	Hidden	Hidden	Hidden	Hidden	cs 1	KS 10 NW	s 10	KS 10 NW	s 10	0
15	0	0	0	0	0	0	0	0	0	0
16	0	c 3	ck 8	cs 5	{ cs 3 } { ck 2 }	s 1	0	0	s 3	0
17	0	0	K 6 SW	cs 1	Hidden	s 1	0	0	KS 9	KS 10
18	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	KS 10 SW	N 10 NW	s 10 W	s 10 SW
19	0	0	0	0	c 2	0	0	0	0	0
20	0	cs 7	ck 5 S	Hidden	0	s 1	0	K 3 S	KS 10 W	KS 2 N
21	Hidden	Hidden	Hidden	Hidden	Hidden	KS 10 N	KS 10 NW	KS 10 NW	KS 10 N	KS 10 N
22	0	0	Hidden	Hidden	cs 4 NW	s 5 N	s 5 NE	s 10 NE	N 10 NE?	0
23	Hidden	Hidden	Hidden	0	0	N 10	N 10 NW?	N 10 NW	N 7 NW	KS 5 NW
24	0	0	0	0	0	0	0	KS 4 SW	KS 7 SW	s 1
25	0	0	Hidden	Hidden	0	s 1 SW	KS 5 SW	KS 10 SW	KS 10 SW	s 3 W
26	Hidden	Hidden	Hidden	Hidden	0	s 10 SW	KS 10 SW	KS 10 SW	N 10 SW?	KS 6 SW
27	Hidden	0	Hidden	Hidden	Hidden	N 10 W?	KS 8 SW	N 10 NW	N 10 NW	KS 10 SW
28	0	0	0	0	0	0	0	KS 8 NE	N 7	KS 6 SW
29	Hidden	0	Hidden	Hidden	0	KS 10 SW	KS 8 SW	N 10 SW	N 10 NW	0
30	0	cs 6 W	Hidden	Hidden	0	0	0	N 10	KS 10 SW	s 1 W

REMARKS.

April 23. Snow, B. D. N.; E. 5.12 P.M.
 25. " B. 6.55 P.M.; E. 8.00 P.M.
 26. " { B. D. N.; E. D. N.
 { B. 1.20 P.M.; E. 5.40 P.M.
 27. " B. D. N.; E. 7.00 A.M.

April 27. Snow, B. 12.20 P.M.; E. 6.20 P.M.
 28. " { B. 1.30 P.M.; E. 5.15 P.M.
 { B. 6.20 P.M.; E. 7.00 P.M.
 29. " B. 11.40 A.M.; E. 6.10 P.M.
 30. " B. 11.00 A.M.; E. 2.30 P.M.

MAY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.56	.57	.62	.60	.60	.59	15	16	24	24	18	19	26	13	87	76	80	80	80
2	.56	.59	.59	.60	.64	.60	10	14	19	17	9	13	20	8	87	76	80	76	87
3	.62	.65	.64	.65	.68	.64	4	11	17	13	9	10	17	3	83	87	76	87	87
4	.67	.74	.70	.84	.86	.74	5	15	20	21	16	14	23	4	100	55	70	73	76
5	.81	.89	.91	.90	.91	.87	17	21	30	28	23	23	31	13	76	73	84	84	73
6	.86	.90	.89	.88	.86	.87	22	27	33	33	26	27	34	21	80	74	71	65	74
7	.78	.79	.78	.74	.71	.76	23	29	34	31	25	27	36	21	73	77	72	85	67
8	.56	.46	.33	.29	.33	.41	17	16	13	10	10	13	25	8	100	91	100	100	100
9	.42	.53	.66	.72	.81	.63	11	15	20	17	13	15	20	8	87	87	100	87	76
10	.85	.88	.90	.86	.89	.88	15	20	26	22	19	20	27	10	76	80	84	100	100
11	.80	.87	.90	.89	.89	.86	17	22	27	27	23	22	30	16	76	80	74	74	80
12	.85	.84	.77	.67	.60	.74	21	30	32	24	22	25	34	20	91	92	85	100	100
13	.30	.29	.40	.44	.54	.42	10	10	17	17	15	14	22	9	100	100	100	87	87
14	.56	.64	.72	.76	.80	.70	12	18	22	26	21	18	27	10	87	91	92	74	100
15	.77	.83	.85	.82	.81	.81	17	22	27	28	22	22	30	16	87	80	83	84	92
16	.75	.78	.74	.68	.64	.71	20	26	30	26	23	24	30	20	91	92	84	84	92
17	.38	.29	.22	.32	.37	.32	22	19	18	18	13	18	25	13	100	100	100	100	100
18	.43	.47	.57	.60	.65	.55	11	14	20	15	15	15	20	10	87	87	100	87	100
19	.74	.80	.84	.89	.92	.84	15	15	17	18	17	16	20	13	100	100	100	100	100
20	.90	.94	1.00	.97	.97	.96	15	13	22	25	21	19	26	12	100	100	80	80	80
21	.93	.94	.98	.93	.92	.94	15	20	25	27	24	21	29	14	87	80	76	74	73
22	.89	.92	.88	.84	.84	.87	23	28	32	29	24	26	33	22	80	59	52	67	73
23	.74	.71	.77	.76	.74	.75	22	24	27	27	24	24	31	21	80	80	74	84	73
24	.69	.71	.73	.72	.71	.71	16	19	23	22	19	19	25	15	87	80	80	80	80
25	.62	.68	.75	.81	.86	.74	6	8	11	14	11	9	20	4	100	83	87	76	87
26	.82	.87	.92	.94	.90	.88	9	12	21	22	20	17	24	8	100	76	73	73	70
27	.90	.87	.87	.84	.80	.86	20	21	29	29	24	24	31	16	80	73	84	84	73
28	.66	.74	.75	.76	.77	.73	20	22	28	30	26	25	32	20	100	80	77	78	74
29	.67	.71	.71	.71	.76	.71	19	25	25	21	12	19	28	8	80	80	92	91	87
30	.66	.80	.80	.83	.82	.76	12	19	20	26	22	18	28	8	87	70	80	73	73
31	.83	.86	.90	.81	.85	.86	24	26	33	30	26	28	34	21	73	73	68	92	73
Mean	.70	.73	.75	.74	.76	.73	15.6	19.3	23.9	23.1	19.1	19.6	27.0	13.0	88	82	82	83	84

REMARKS.

May 3. Snow, B. 2.05 P.M.; E. 4.00 P.M.
 8. " { B. D. N.; E. 11.00 A.M.
 { B. 1.30 P.M.; E. D. N.

May 9. Snow, B. 11.15 A.M.; E. 4.45 P.M.
 10. " B. 4.10 P.M.; E. 8.15 P.M.
 12. " B. 1.45 P.M.; E. D. N.

MAY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.							Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.						24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Movement.										
1	W 60	SW 56	SW 18	S 28	SW 29	906	.	.	.	.	F	F	F	Cr	Cr
2	SW 20	SW 38	SW 32	SW 32	W 26	660	.	.	.	.	Cr	Cr	Cr	F	Cr
3	SW 29	SW 16	SW 20	SW 20	SW 16	575	.	.	.02	.02	Cr	Cy	Cy	Cy	Cr	
4	NW 40	NE 12	W 16	SW 18	W 19	636	.	.	.	.	Cr	Cr	Cr	Cy	Cr
5	SW 60	SW 20	SW 13	SW 17	SW 12	765	.	.	.	.	Cy	Cy	Cy	Cy	Cr
6	SW 32	SW 30	SW 24	SW 20	SW 28	585	.	.	.	.	F	F	F	Cr	Cr
7	SW 28	SW 14	SW 12	SW 9	SW 23	479	.	.	.	.	Cr	Cr	Cr	Cy	F
8	SW 38	SW 13	SW 44	SW 68	SW 20	873	.12	.08	.06	.26	LS	LS	Cy	HS	LS	
9	W 22	N 20	NE 4	NE 16	NW 14	394	.06	.02	.06	.14	F	Cy	LS	Cy	Cr	
10	W 19	SW 24	SW 18	SW 28	SW 16	440	.	.	.01	.01	Cr	Cr	F	LS	F	
11	W 20	W 12	SW 13	SW 15	SW 12	279	.	.	.	.	Cr	Cr	Cy	Cy	Cr
12	SW 18	SW 5	SE 10	SW 11	SW 17	266	.	.	.26	.26	Cr	Cr	Cy	LS	HS	
13	SW 25	W 28	NW 26	NW 28	NW 25	597	.42	.	.	.42	Cy	F	Cy	F	Cr	
14	NW 22	SW 15	SW 7	SW 16	SW 26	484	.	.	.	.	Cr	F	F	Cr	Fy
15	SW 39	S 24	SW 14	SW 26	SW 36	628	.	.	.	.	Cr	Cr	Cr	Cy	F
16	SW 47	SW 20	SW 24	SW 28	SW 12	754	.	.	.	.	Cr	Cy	Cy	Cy	Cy
17	SE 13	W 10	NW 26	NW 20	W 22	378	.32	.11	.02	.45	LS	LS	LS	Cy	F	
18	W 15	NW 10	NW 13	NE 30	NE 25	420	.	.02	.03	.05	Cr	Cy	LS	Cy	LS	
19	NE 14	NE 7	NW 11	SW 12	NE 4	314	.30	.27	.13	.70	Cy	Cy	LS	LS	LS	
20	NE 11	NE 6	NW 9	N 9	NW 12	228	.09	.	T	.09	Cy	Cr	F	Cy	Cy	
21	NE 24	NE 16	NE 4	SW 24	SW 16	330	.	.	.	.	Cr	Cr	Cr	F	Cr
22	NE 12	NW 4	SW 17	SW 25	SW 28	351	.	.	.	.	Cr	Cr	Cy	F	Cy
23	NW 36	W 30	NW 28	SW 17	SW 42	694	.	.03	.	.03	F	F	Cy	Cy	Cy	
24	W 20	SW 28	SW 14	SW 28	SW 20	540	.03	.	.	.03	Cr	Cr	Cy	Cy	Cy	
25	NW 16	NE 17	NE 20	NE 24	NW 12	530	.09	.04	.02	.15	Cy	Cy	LS	Cy	Cr	
26	NW 36	NW 17	NE 4	N 14	NW 16	494	.	.	.	.	Cr	Cr	Cr	F	Cr
27	NW 39	NW 32	N 18	NW 16	N 18	639	.	.	.	.	Cr	Cr	Cr	Cy	F
28	NW 24	NW 6	N 18	NW 20	NW 16	540	.	.	.	.	Cy	Cr	F	Cy	F
29	NW 14	SW 6	SW 12	SW 16	NW 12	403	.	.12	.06	.18	Cr	Cr	HS	Cy	HS	
30	N 16	NW 17	NW 46	SW 31	NW 44	596	.01	.	.	.01	Cr	Cr	Cr	Cr	Cr	
31	NW 53	NW 44	SW 16	SW 24	NW 32	984	.	.	.	.	Cr	Cr	Cy	F	Cr
Mean	28	19	18	22	21	16762	1.44	.69	.67	2.80						

REMARKS.

May 17. Snow, B. D. N.; E. 3.00 P.M.

18. " { B. 11.30 A.M.; E. 2.30 P.M.
 { B. 6.30 P.M.; E. D. N.

May 19. Snow, B. 9.30 A.M.; E. D. N.

20. " B. 4.25 P.M.; E. 4.35 P.M.
 23. Sleet, B. 11.45 A.M.; E. 12.25 P.M.

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MAY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	CS 5 SW	0	0	S 5	S 8 SW	K 1	{K 2 S } {S 1 S }	S 1 SW
2	0	0	K 1 SW	0	0	0	0	0	KS 7 SW	S 3 SW
3	0	0	Hidden	0	0	S 3	S 8 SW	KS 10 SW	KS 8 SW	S 1 SW
4	0	0	0	0	0	0	0	K 1	KS 9 SW	0
5	CS 9	CS 9	CK 9	CS 9	0	0	0	0	0	S 1
6	CS 4	CS 4	CK 7	C 3	0	0	0	0	0	S 1
7	C 1	CS 3	CK 1	CS 9	0	S 1	0	0	0	S 5
8	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 SW	N 10 SW	S 10 SW	N 10 SW	N 10 SW
9	0	0	Hidden	Hidden	0	KS 5 W	K 8 NW	N 10 NE	S 10 NW	K 1
10	0	0	0	Hidden	0	0	0	K 7 SW	N 10 SW	S 5 SW
11	0	0	0	0	0	KS 1	0	KS 9 SW	KS 9 SW	0
12	K 1	0	0	Hidden	Hidden	0	0	KS 9 SE	N 10 SW	N 10 SW
13	Hidden	K 6 W	K 4 NW	CK 5	0	S 10 SW	0	K 4 NW	K 2 NW	0
14	0	0	0	0	Hidden	0	K 7 SW	K 4 SW	K 2 SW	D.Fog SW
15	0	0	CS 3	CS 9	CS 7	0	0	0	0	0
16	CS 2	0	0	CS 9	CS 8	S 1	S 9 SW	S 9 SW	0	0
17	Hidden	Hidden	Hidden	Hidden	0	N 10 SE	N 10 W	N 10 W	S 10 W	KS 7 W
18	0	Hidden	Hidden	Hidden	Hidden	S 3 W	KS 10 NW	N 10 NW	KS 10 NE	N 10 NE
19	Hidden	Hidden	Hidden	Hidden	Hidden	S 10 NE	S 10 NE	N 10 NW	N 10 SW	N 10 NE
20	Hidden	0	0	Hidden	0	KS 10 NW	K 3	KS 5 NW	KS 10 N	KS 9 NW
21	0	0	K 1	0	0	0	0	0	K 6 SW	0
22	0	CS 1	0	CS 1	0	0	K 1 NW	KS 9 SW	KS 5 SW	KS 8 SW
23	0	0	0	Hidden	Hidden	KS 5 NW	K 4 W	KS 9 NW	KS 10 SW	KS 10 SW
24	0	0	Hidden	Hidden	Hidden	0	0	KS 10 SW	KS 10 SW	KS 10 SW
25	Hidden	0	0	Hidden	0	KS 10 NW	KS 9 NE	N 8 NE	KS 10 NE	0
26	0	K 1 N	K 1 NW	0	0	0	0	0	KS 6 NW	S 1 NW
27	0	0	0	Hidden	0	0	0	K 2 N	KS 10 NW	S 5 N
28	Hidden	0	C 1 NW	0	0	KS 10 NW	K 1 NW	K 3 NW	K 8 NW	KS 5 NW
29	0	0	Hidden	Hidden	Hidden	0	0	N 10 SW	KS 10 SW	N 10 NW?
30	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	KS 9 SW	KS 7 SW	KS 2 NW

REMARKS.

May 24. Snow, B. D. N. ; E. D. N.
 25. " { B. D. N. ; E. D. N.
 { B. 11.20 A.M. ; E. 2.30 P.M.

May 29. { Sleet and Snow, B. 11.15 A.M. ; E. 2.00 P.M.
 { Snow, B. 6.30 P.M. ; E. D. N.

JUNE, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.77	.77	.80	.79	.80	.79	22	22	25	22	20	22	27	19	80	86	73	80	91
2	.82	.91	.98	.93	.94	.81	20	24	25	26	24	23	29	18	80	80	100	100	100
3	.92	.92	.89	.86	.82	.88	22	30	26	27	20	23	33	19	80	77	100	92	100
4	.86	.88	.91	.91	.91	.89	18	26	29	36	27	25	37	15	70	74	77	69	84
5	.86	.90	.95	.93	.93	.91	24	29	38	32	29	30	38	23	73	84	72	92	100
6	.94	.96	.98	.98	.99	.97	27	29	33	35	29	30	36	26	84	84	85	85	92
7	.95	.95	.93	.87	.86	.92	26	31	37	34	28	30	38	25	84	85	79	72	84
8	.76	.72	.70	.72	.74	.73	24	26	19	15	16	20	28	13	100	100	100	100	100
9	.70	.69	.68	.67	.72	.70	16	17	22	19	17	18	23	14	87	87	92	100	100
10	.72	.71	.76	.77	.72	.73	16	19	26	31	28	23	32	14	87	91	84	62	84
11	.74	.78	.74	.76	.72	.74	27	32	31	31	28	29	35	26	100	85	92	100	100
12	.77	.77	.75	.76	.81	.78	26	25	23	23	17	22	29	17	100	100	100	100	100
13	.84	.84	.84	.88	.85	.84	15	21	23	29	26	21	29	13	87	91	92	92	92
14	.80	.80	.86	.86	.89	.85	24	25	28	31	29	27	32	22	92	92	92	78	77
15	.86	.87	.89	.92	.95	.90	25	28	32	36	29	29	36	21	73	84	78	79	77
16	.92	.90	.87	.83	.83	.88	30	35	34	31	23	29	36	23	70	79	85	78	80
17	.80	.89	.96	.98	1.01	.92	21	26	33	34	29	28	36	18	73	84	85	78	84
18	1.03	1.07	1.09	1.09	1.10	1.07	28	33	39	38	32	33	40	25	77	78	65	79	85
19	1.06	1.08	1.06	1.04	1.03	1.05	33	40	43	43	38	38	45	29	78	73	86	74	79
20	.99	1.03	1.02	1.03	1.04	1.02	35	41	45	41	36	39	47	33	85	73	71	73	100
21	1.01	1.04	1.04	1.03	1.04	1.03	35	43	48	47	39	41	48	33	85	80	77	77	76
22	1.04	1.09	1.10	1.10	1.09	1.08	36	43	49	48	41	42	52	35	79	74	77	77	82
23	1.09	1.12	1.10	1.10	1.11	1.10	37	41	51	48	39	42	52	36	85	73	77	77	86
24	1.11	1.14	1.11	1.14	1.15	1.12	36	42	44	46	40	40	48	36	79	86	68	58	79
25	1.13	1.12	1.12	1.11	1.12	1.12	35	43	42	41	39	39	48	34	79	63	79	54	59
26	1.11	1.11	1.12	1.13	1.14	1.12	37	43	44	43	39	40	45	34	72	47	47	58	100
27	1.13	1.15	1.16	1.16	1.16	1.15	37	44	45	43	39	40	47	36	79	68	53	47	65
28	1.13	1.14	1.16	1.16	1.17	1.16	40	43	42	41	34	39	45	34	59	51	55	59	72
29	1.15	1.17	1.19	1.17	1.17	1.17	33	41	40	45	37	37	47	32	71	54	73	53	69
30	1.14	1.15	1.16	1.16	1.16	1.16	34	43	45	50	42	40	47	33	71	51	53	38	44
Mean	.94	.96	.96	.96	.97	.96	28.0	32.8	35.4	35.5	30.5	31.3	38.8	25.2	81	78	79	76	85

REMARKS.

June 1. Sleet, B. 11.45 A.M.; E. 12.00 M.
 2. Snow, B. 11.10 A.M.; E. 3.00 P.M.
 3. " B. 12.45 P.M.; E. 2.40 P.M.

June 5. Snow, B. 4.45 P.M.; E. 5.30 P.M.
 8. " { B. 7.00 A.M.; E. 2.00 P.M.
 { B. 3.25 P.M.; E. D.N.

JUNE, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	SW 40	SW 12	W 13	W 38	NW 48	787	.	T	.	T	Fy	F	F	Cy	Cr
2	NW 36	W 18	SW 20	SW 31	W 20	674	.	.03	.07	.10	Cr	F	LS	Cy	Cy
3	W 28	SW 14	SW 36	SW 50	NW 49	542	.	T	.02	.02	Cr	Cr	LS	Cy	Cr
4	N 24	s 4	W 18	W 12	W 32	529	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	NW 43	NW 35	SW 12	SW 24	SW 40	806	.	.	.04	.04	F	F	Cy	LS	Cr
6	N 25	NW 6	SW 11	SW 18	NE 10	448	.	.	.	.	Cr	Cr	Cy	Cy	Cr
7	N 8	SW 13	SW 10	NW 16	N 16	348	.	.	.	.	Cy	F	Cy	Cy	Cr
8	SW 18	SW 20	SW 14	NE 15	NE 20	439	.	.28	.06	.34	Cy	LS	LS	LS	LS
9	NE 12	NE 16	NW 8	NE 22	NE 14	309	.17	.	.03	.20	Cr	Cr	Cy	Cy	F
10	N 16	NW 34	NW 18	NW 27	W 64	610	.	.	.	.	Cr	Cr	F	Cr	Cr
11	SW 60	SW 34	SW 50	SW 35	W 56	1206	.	.46	.07	.53	F	F	Cy	Cy	LS
12	SW 17	s 28	SW 29	SW 24	NW 29	602	.15	.15	.07	.37	LS	LS	HS	Cy	F
13	NW 33	SW 34	SW 46	SW 24	SW 48	766	.	.	.	.	Cr	Cr	Cr	Cy	Cr
14	SW 64	SW 70	SW 34	SW 24	SW 15	1056	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	SW 30	SW 30	SW 33	SW 31	SW 14	632	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	SE 18	s 10	SW 19	SW 40	W 35	448	.	.	.	.	Cr	F	F	F	Cr
17	N 40	NE 16	W 8	s 8	SW 20	488	.	.	.	.	Cr	Cr	Cr	Cy	F
18	N 22	N 4	SW 6	s 16	SE 20	310	.	.	.	.	Cr	Cr	F	Cy	Cr
19	SW 24	SW 13	SW 16	SW 21	SW 23	542	.	.	.	.	Cr	Cr	F	Cr	Cr
20	SW 24	SW 10	SW 8	SE 13	SE 21	516	.	.	.	.	Cr	Cr	Cr	Cy	Fy
21	SW 22	s 6	SW 12	SW 12	SW 18	396	.	.	.	.	Cr	Cr	F	F	Cr
22	SW 32	SW 4	SW 4	N 6	SW 17	380	.	.	.	.	Cr	Cr	Cr	Cy	Cy
23	NW 16	NW 14	SW 13	SE 16	s 15	367	.	.	.	.	Cr	Cr	F	F	Cr
24	NW 24	NE 8	SE 8	SW 6	SW 4	328	.	T	.07	.07	Cr	Cr	Sl	Cr	Cr
25	SW 16	N 4	NE 12	NE 9	NE 4	243	.	.	.09	.09	Cr	Cr	Cy	F	Cr
26	SW 16	N 3	NE 9	NE 26	NE 18	253	.	.	.	.	Cr	Cr	Cr	Cr	Fy
27	NE 8	NE 6	E 6	NE 12	SE 2	182	.	.	.	.	Cr	Cr	F	F	Cr
28	N 4	N 4	NE 14	NE 22	NE 16	271	.	.	.	.	Cr	Cr	Cy	F	Cr
29	NE 7	E 8	NE 6	E 6	s 14	220	.	T	.	T	Cr	Cr	Cy	Cr	Cr
30	SW 13	NW 4	NE 4	E 10	s 6	217	.	.	.	.	Cr	Cr	F	Cr	Cr
Mean	25	16	17	20	24	14915	.32	.92	.52	1.76					

REMARKS.

June 9. Snow, { B. 2.30 P.M.; E. 4.00 P.M.
 { B. 6.30 P.M.; E. 8.35 P.M.

June 11. Snow, { B. 11.45 A.M.; E. 1.10 P.M.
 { B. 5.20 P.M.; E. 3.40 P.M. of 12th.

JUNE, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	Hidden	K 5 SW	0	0	0	D. Fog	0	K 7 W	KS 8 W	KS 1 NW
2	CS 1 NW	CS 3 W	Hidden	Hidden	Hidden	0	K 1 W	N 10 SW	KS 10 SW	KS 10 W
3	0	CS 2 W	Hidden	Hidden	0	0	0	N 10 SW	S 10 SW	KS 1 W
4	0	0	0	0	0	0	0	0	K 3	s 1
5	CS 7	CS 7	0	0	0	0	0	K 8 SW	N 9 SW	s 1 SW
6	CS 1	CS 1	Hidden	CS 3	0	0	K 1 NW	s 10 SW	KS 6 SW	s 2
7	CS 9	CS 4	0	0	0	0	0	KS 9 SW	KS 9	s 2
8	Hidden	Hidden	Hidden	Hidden	Hidden	s 10 SW	N 10 SW	N 10 SW	N 10 NE	N 10 NE
9	0	CS 2	Hidden	Hidden	0	0	0	s 10 NW	S 10 NE	KS 4
10	c 1	0	0	0	0	0	K 2 NW	K 6 NW	K 3 NW	s 1
11	c 5	K 7 SW	Hidden	Hidden	Hidden	K 2 SW	0	s 10 SW	s 10 SW	N 10 NW?
12	Hidden	Hidden	Hidden	0	CK 6 NW	N 10 SW	N 10	s N 10 SW	KS 9 SW	0
13	CS 1	0	0	Hidden	c 3	0	0	K 1 SW	s 10 SW	0
14	0	0	0	0	0	0	0	0	K 3 SW	s 1
15	0	0	0	0	CS 1	0	0	0	0	s 1
16	0	0	0	0	0	0	K 6 S	KS 7 SW	K 4 SW	0
17	0	0	0	0	0	0	0	K 1	KS 8 S	KS 4 SW
18	0	c 3 SW	0	0	0	0	0	K 7 SW	KS 8	0
19	0	0	0	0	0	0	0	KS 4 SW	KS 2 SW	s 1
20	CS 1 SW	CS 1 SW	0	0	Hidden	0	0	K 2 SW	KS 8 SE	D. Fog
21	0	0	0	0	0	0	0	K 4 SW	KS 5 SW	KS 1
22	0	0	0	0	0	0	0	K 1 SW	KS 8	KS 8
23	0	0	0	0	0	0	0	K 5 SW	KS 5 SE	0
24	0	0	0	0	0	0	0	N 7 W	K 1 SW	L. Haze
25	0	0	Hidden	0	0	0	0	KS 10 NE	KS 4 NE	KS 1
26	0	0	0	0	Hidden	L. Haze	L. Haze	KS 3 NE	KS 3 NE	D. Fog
27	0	0	0	0	0	L. Haze	L. Haze	KS 5 NW	KS 6 NE	s 1
28	0	K 1	0	0	0	L. Haze	L. Haze	KS 8 NE	K 5 N	0
29	0	0	0	0	0	0	K 1 E	KS 8 NE	KS 2 E	0
30	0	0	0	0	0	0	0	K 4 E	KS 1	0

REMARKS.

June 12. Snow, B. 5.45 P.M.; E. 7. 35 P.M.
24. Sleet, B. 1.00 P.M.; E 2 30 P.M.

June 25. Snow, B. 1.20 P.M.; E. 2 36 P.M.
29. " B. 10.45 A.M.; E. 12.14 P.M.

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JULY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	1.14	1.14	1.16	1.15	1.16	1.15	38	46	48	46	42	43	49	38	62	44	46	38	44
2	1.11	1.12	1.10	1.09	1.08	1.10	38	44	46	44	40	41	47	37	73	41	46	41	48
3	1.03	1.12	1.04	1.01	1.01	1.03	38	43	45	45	38	40	47	36	52	39	36	36	56
4	.99	1.01	1.01	.99	1.00	1.00	36	45	41	37	34	37	48	34	79	58	92	100	100
5	.96	.99	.99	.97	.97	.97	34	39	46	39	35	38	47	33	100	92	83	100	92
6	.98	.99	.99	1.00	1.03	1.00	34	32	33	30	30	32	37	29	100	100	100	100	100
7	1.01	1.02	1.03	1.03	1.04	1.03	31	33	36	34	30	32	36	30	100	100	85	92	92
8	1.04	1.06	1.07	1.07	1.09	1.07	30	34	37	34	33	33	38	29	84	66	79	85	71
9	1.11	1.13	1.14	1.12	1.15	1.14	33	38	39	40	36	36	41	30	78	56	65	79	85
10	1.11	1.15	1.16	1.15	1.16	1.15	33	37	41	41	38	37	43	33	71	61	67	67	79
11	1.13	1.15	1.13	1.11	1.11	1.12	36	41	45	48	42	41	50	33	79	67	47	50	55
12	1.07	1.08	1.07	1.04	1.04	1.06	38	41	46	46	42	42	49	36	56	43	32	38	55
13	.97	.98	.98	.94	.95	.97	38	41	47	39	34	40	48	32	52	43	50	73	85
14	.96	1.00	1.00	1.01	1.00	.98	32	41	43	42	35	37	46	32	85	54	63	62	72
15	.96	.99	.99	.96	.96	.97	34	39	43	43	39	39	46	33	78	65	86	51	52
16	.95	.99	1.03	1.05	1.10	1.03	35	40	49	46	38	41	52	33	61	67	46	54	72
17	1.11	1.13	1.15	1.15	1.18	1.14	36	45	47	46	41	41	49	34	56	47	44	48	59
18	1.19	1.23	1.24	1.23	1.23	1.22	39	45	50	50	45	45	51	37	52	47	38	43	47
19	1.17	1.16	1.16	1.12	1.09	1.14	39	43	53	51	44	45	53	39	73	39	40	43	58
20	1.08	1.09	1.09	1.07	1.05	1.08	41	50	55	50	44	47	56	40	43	43	39	47	58
21	1.02	1.06	1.05	1.03	1.00	1.02	40	45	46	49	39	42	50	38	54	63	54	66	100
22	1.00	1.08	1.10	1.10	1.11	1.07	35	38	44	44	37	39	47	34	100	100	74	63	69
23	1.11	1.15	1.18	1.17	1.19	1.16	34	41	45	54	42	40	57	33	60	50	53	45	55
24	1.19	1.21	1.20	1.18	1.17	1.19	38	43	39	43	37	38	46	37	59	58	86	68	69
25	1.11	1.11	1.11	1.09	1.10	1.12	33	43	49	38	38	40	49	33	71	58	66	72	72
26	1.07	1.06	1.08	1.06	1.10	1.08	36	41	41	36	35	37	45	35	69	67	79	100	92
27	1.08	1.10	1.12	1.11	1.14	1.11	33	36	41	40	36	37	41	33	100	100	79	100	85
28	1.12	1.12	1.15	1.09	1.11	1.12	35	36	44	40	39	39	46	34	100	100	93	86	100
29	1.06	1.12	1.10	1.10	1.09	1.09	35	39	48	43	35	39	49	34	92	86	77	100	100
30	1.08	1.10	1.08	1.06	1.07	1.08	35	41	43	36	37	38	50	33	92	100	74	100	100
31	1.04	1.07	1.07	1.05	1.07	1.06	33	38	41	37	34	36	43	33	100	100	100	92	100
Mean	1.06	1.09	1.09	1.08	1.08	1.08	35.5	40.6	44.2	42.3	37.7	39.1	47.0	34.0	75	66	65	69	75

REMARKS.

<p>July 4. { Sleet, B. 10.45 A.M.; E. 12.15 P.M. { Snow, B. 1.30 P.M.; E. 2.00 P.M. " B. 5.20 P.M.; E. D.N. 5. Sleet, B. 3.40 P.M.; E. 4.45 P.M.</p>	<p>July 6. Snow, { B. D.N.; E. 8.35 A.M. { B. 9.30 A.M.; E. 6.10 P.M. of 7th. 8. Sleet and Snow, B. 2.10 P.M.; E. 4.00 P.M. 9. Snow, B. 2.30 P.M.; E. 2.45 P.M.</p>
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JULY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Movement.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					24 Hours.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NE 8	NE 8	NE 8	NE 13	NE 4	239	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	NE 8	NE 16	NE 24	NE 24	NE 10	396	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	NE 1	NE 8	NE 20	NE 12	NE 14	258	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	S 3	S 8	S 10	E 12	SW 17	241	.	.11	.74	.85	Cr	F	Fy	Fy	LS	
5	SW 31	SW 10	SW 9	SW 20	SW 34	511	.01	.	.12	.13	Fy	Cy	Cy	Cy	Cr	
6	SW 1	W 4	NW 6	NE 9	NE 10	166	.18	.54	.44	1.16	LS	Cy	LS	LS	HS	
7	NE 5	NE 1	NE 3	SW 4	NE 4	82	.32	.27	.13	.72	LS	LS	LS	LS	Cr	
8	N 13	N 12	N 4	N 6	NE 7	198	.	.	.27	.27	Cr	Cr	Cy	Cy	Cr	
9	NW 18	NE 9	NE 6	S 12	SW 4	246	.	.	.01	.01	Cr	Cr	F	Cy	F	
10	NW 32	N 6	SE 6	NE 6	NE 10	303	.	.	.	.	Cr	Cr	F	F	Cr
11	NW 16	W 6	NW 4	SW 4	NE 5	226	.	.	.	.	F	Cr	Cr	Cr	Cr
12	N 14	W 20	N 10	NE 10	SE 4	245	.	.	.	.	Cr	Cr	Cr	F	F
13	W 36	W 14	SW 6	NW 20	NW 25	447	.	.	.10	.10	Cr	Cy	Cy	Cy	F	
14	NW 24	SW 15	SW 26	W 7	W 38	464	.	.	.01	.01	Cr	Cr	Cy	Cy	Cr	
15	W 50	W 32	SW 30	W 18	W 30	783	.	.02	T	.02	Cr	Cr	LS	Cr	Cr	
16	W 44	SW 31	SW 18	W 15	SW 12	536	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	SW 8	SW 12	W 16	W 4	N 3	214	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	NW 14	W 6	NE 6	SW 8	E 5	249	.	.	.	.	Cr	Cr	Cr	Cy	F
19	NW 28	NW 28	SW 8	SW 11	W 9	344	.	.	.	.	Cr	Cr	Cy	F	Cy
20	NE 6	SW 10	NW 1	SW 16	SW 18	276	.	.	.	.	Cr	Cr	F	Cy	F
21	W 16	E 6	NE 9	S 9	SW 16	355	.	.	.17	.17	Cr	Cy	Cy	F	LR	
22	W 37	SW 12	SW 10	SW 10	SW 16	451	.01	.	.	.01	Fy	Fy	F	F	F	
23	N 17	N 8	NE 4	SE 6	SE 8	260	.	.	.	.	Cr	Cr	F	Cr	Cr
24	SW 8	E 7	SE 1	SW 12	SW 1	217	.	.14	T	.14	Cr	Cr	LS	Cy	Cr	
25	SW 21	SE 1	S 1	SE 9	NE 1	302	.	.	.16	.16	Cr	Cr	Cy	Cy	F	
26	W 1	NE 8	S 1	S 16	SW 6	176	.	.	.06	.06	Cr	Cy	Cy	Fy	F	
27	SW 16	SW 24	W 6	SW 15	SW 7	299	.	.	.15	.15	Fy	Fy	F	LS	F	
28	SW 36	SW 32	SW 5	W 20	W 26	552	.	.	.18	.18	Fy	Fy	Cy	Cy	HSI	
29	W 48	W 22	SW 10	SW 8	W 10	585	.01	.	.63	.64	Cr	Cr	Cy	HR	HSI	
30	NW 8	SW 5	SW 12	SW 8	SW 1	366	.04	.	.15	.19	Cr	Cy	Cy	LR	HR	
31	SW 33	SW 10	SW 12	N 10	W 4	389	.14	.06	.20	.40	Fy	F	Cy	F	Cy	
Mean	19	13	9	11	12	10376	.71	1.14	3.52	5.37						

REMARKS.

July 13. Snow, { B. 1.35 P.M.; E. 4.00 P.M.
 { B. 7.00 P.M.; E. 8.25 P.M.
 14. " B. 1.30 P.M.; E. 1.50 P.M.
 15. " B. 1.00 P.M.; E. 1.35 P.M.

July 21. Rain, B. 6.40 P.M.; E. D. N.
 24. Sleet and Snow, B. 10.00 A.M.; E. 1.16 P.M.
 25. Sleet, B. 2.25 P.M.; E. 3.40 P.M.
 26. " B. 1.53 P.M.; E. 4.00 P.M.

JULY, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	K 1	0	0	0	0	0	L. Haze	s 1
2	0	0	0	0	0	0	0	0	KS 1 NE	0
3	0	0	0	0	0	0	0	K 1 SW	KS 1	s 2
4	c 2	K 1	Hidden	Hidden	Hidden	0	KS 4 s	D. Fog s	D. Fog E	N 10 SW
5	Hidden	Hidden	Hidden	Hidden	0	D. Fog sw	s 10 sw	KS 10 sw	s 10 sw	s 3
6	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	s 10 w	N 10 NW	N 10 NE	N 10 NE
7	Hidden	Hidden	Hidden	Hidden	0	N 10 NE	N 10 NE	N 10 NE	N 10 SW	s 1
8	0	0	0	0	CK 2	0	0	K 8 N	KS 9 N	0
9	CK 2	0	0	0	CK 1	0	L. Haze	K 7 SW	KS 9 s	KS 5 SW
10	CS 1	0	c 3	0	0	0	0	K 4	KS 7	K 1
11	CS 4 NW	c 2	0	CS 2	c 1 w	0	0	K 2	KS 1	s 1
12	CS 2	c 1	0	0	0	0	0	K 3	KS 6 NE	KS 7 NW
13	c 3 w	CS 9	Hidden	CS 9	CS 3	0	0	KS 10 SW	0	s 4
14	CS 1	0	0	CS 2	0	0	L. Haze	KS 9 SW	KS 6 w	0
15	0	0	0	0	0	0	0	N 9 SW	K 1	0
16	0	CS 1	0	0	0	0	L. Haze	0	K 1 w	K 1 SW
17	0	0	0	0	0	0	0	K 1 w	K 3 w	0
18	0	0	0	0	0	0	0	K 3 SW	KS 8 SW	KS 5 E
19	0	0	0	0	0	KS 2 NW	0	KS 8 SW	KS 6 SW	KS 8 w
20	0	0	0	Hidden	0	0	L. Haze	K 5 NW	KS 10 SW	KS 5 SW
21	0	0	Hidden	0	Hidden	s 1	s 8 E	s 10 NE	KS 6 SW	N 10 SW?
22	Hidden	Hidden	0	0	0	D. Fog w	D. Fog	K 5 SW	KS 6 SW	KS 5 SW
23	0	0	0	0	0	L. Haze	L. Haze	K 4 NE	K 2 SE	KS 1
24	0	0	Hidden	Hidden	0	L. Haze	K 1 w	N 10 SE	KS 10 SW	KS 1 SW
25	0	CS 2	0	Hidden	0	s 1 SW	0	KS 8 s	KS 10 NE	KS 6 NE
26	0	Hidden	Hidden	Hidden	0	s 3 w	KS 10 NE	KS 10 s	D. Fog	KS 5 SW
27	Hidden	Hidden	0	Hidden	0	D. Fog	D. Fog	K 5 w	N 10 SW	KS 5 SW
28	Hidden	Hidden	0	Hidden	Hidden	D. Fog SW	D. Fog SW	K 8 SW	KS 10 w	N 10 w?
29	0	K 1 w	0	Hidden	Hidden	0	0	K 8 SW	N 10 SW	N 10 w?
30	0	Hidden	Hidden	Hidden	Hidden	s 1 NW	K 10 SW	K 10 SW	N 10 SW	{ D. Fog } { N 10 }
31	0	0	Hidden	0	0	L. Fog SW	K 5 SW	KS 10 SW	K 6 NW	KS 8 w

REMARKS.

July 27. Snow, B. 4.10 P.M.; E. 5.36 P.M.
 28. Sleet, { B. 3.25 P.M.; E. 4.00 P.M.
 { B. 8.49 P.M.; E. D. N.
 29. Sleet and Rain, B. 2.00 P.M.; E. D. N.

30. Sleet and Rain, B. 2.32 P.M.; E. D. N.
 31. " " { B. 11.00 A.M.; E. 4.30 P.M.
 { B. 6.15 P.M.; E. D. N.

AUGUST, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	1.06	1.08	1.09	1.08	1.10	1.08	32	39	41	37	33	35	43	32	85	79	86	100	100
2	1.08	1.08	1.07	1.05	1.06	1.07	33	36	37	35	33	34	37	32	100	100	100	100	92
3	1.04	1.06	1.05	1.04	1.06	1.05	32	36	33	35	33	33	38	31	85	69	100	100	92
4	1.06	1.06	1.07	1.06	1.08	1.07	32	37	37	37	32	34	41	31	85	64	85	92	100
5	1.10	1.12	1.12	1.11	1.12	1.11	33	36	45	43	36	38	47	32	71	69	63	80	85
6	1.12	1.14	1.15	1.14	1.16	1.14	33	39	42	43	37	37	43	33	65	52	55	58	64
7	1.17	1.18	1.19	1.17	1.19	1.18	37	40	43	43	39	40	46	34	56	48	47	58	65
8	1.17	1.19	1.18	1.16	1.17	1.17	35	40	45	40	39	40	47	34	79	67	58	73	54
9	1.14	1.16	1.14	1.13	1.13	1.14	36	44	40	38	37	38	45	35	69	68	79	86	92
10	1.07	1.08	1.08	1.05	1.04	1.06	34	39	46	44	38	39	49	32	66	54	58	68	86
11	1.03	1.00	1.02	1.00	1.02	1.02	34	36	37	38	33	35	40	33	92	92	92	92	100
12	1.00	1.02	1.02	1.01	1.04	1.02	33	37	41	36	34	36	44	31	92	79	86	85	92
13	1.05	1.08	1.10	1.08	1.12	1.09	33	38	44	47	41	39	48	33	85	64	63	61	79
14	1.11	1.14	1.17	1.21	1.18	1.15	35	39	47	49	41	41	51	35	61	59	44	50	73
15	1.19	1.21	1.23	1.21	1.21	1.21	36	42	48	44	41	42	52	35	79	44	54	58	67
16	1.18	1.18	1.18	1.13	1.12	1.16	37	40	48	43	41	42	52	36	79	79	66	68	73
17	1.04	1.11	1.11	1.09	1.09	1.08	35	38	39	41	37	37	42	35	92	92	92	100	100
18	1.12	1.11	1.11	1.08	1.08	1.10	34	37	44	47	40	39	48	33	85	69	58	66	73
19	1.05	1.09	1.10	1.05	1.08	1.07	35	41	45	44	37	39	47	35	79	54	58	63	79
20	1.05	1.08	1.08	1.04	1.06	1.06	34	36	43	48	38	38	49	33	79	79	47	54	73
21	1.09	1.01	1.01	1.00	1.03	1.04	34	39	48	48	39	40	49	33	85	47	61	40	48
22	1.06	1.08	1.11	1.09	1.10	1.09	36	39	46	48	40	41	49	35	79	52	53	50	59
23	1.12	1.14	1.14	1.12	1.15	1.13	35	41	48	46	40	41	48	33	85	54	40	44	59
24	1.14	1.16	1.15	1.14	1.14	1.15	36	45	43	45	40	40	46	36	61	36	63	63	54
25	1.09	1.12	1.12	1.12	1.14	1.12	36	37	36	36	35	36	42	35	85	79	100	100	85
26	1.12	1.14	1.15	1.18	1.19	1.15	33	38	43	41	40	39	43	32	85	79	74	86	86
27	1.20	1.23	1.23	1.22	1.25	1.22	38	41	43	42	37	39	45	37	73	73	58	55	64
28	1.23	1.25	1.24	1.20	1.22	1.23	36	43	46	47	42	41	48	34	56	34	54	61	67
29	1.17	1.20	1.18	1.17	1.17	1.17	40	45	48	46	43	44	50	39	59	53	50	58	83
30	1.13	1.14	1.14	1.10	1.10	1.12	38	43	50	52	43	44	53	38	79	68	46	43	63
31	1.04	1.08	1.09	1.08	1.10	1.08	36	40	48	49	38	41	50	35	79	59	46	46	79
Mean	1.10	1.12	1.12	1.11	1.12	1.12	34.9	39.4	43.4	43.0	38.0	38.7	46.2	33.9	78	65	66	70	77

REMARKS.

Aug. 1. Sleet, B. 1.10 P.M.; E. 7.45 P.M.

2. Snow, { B. D. N.; E. 7.00 A.M.
B. 12 M.; E. 4.20 P.M.
B. 6.07 P.M.; E. 7.15 P.M.

Aug. 3. { Hail, B. 10.15 A.M.; E. 10.40 A.M.
Snow, B. 11.30 A.M.; E. 4.00 P.M.
" B. 7.40 P.M.; E. 8.30 P.M.
4. Snow, B. 11.00 A.M.; E. 11.40 A.M.

AUGUST, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NW 16	SW 6	SW 6	SW 1	SW 4	225	.	.	.27	.27	Cr	Cr	Cy	Cy	Cy	
2	SE 6	SE 6	SW 6	NE 11	NW 8	171	.16	.10	.19	.45	HS	Cy	LS	Fy	Cr	
3	NE 8	NE 4	W 10	W 14	NE 10	179	.	.03	.33	.36	F	Cr	LS	Cy	Cr	
4	N 18	SW 10	NW 18	SW 20	NW 24	375	.	.08	.22	.30	Cr	Cr	F	LS	LSI	
5	NE 10	N 8	W 8	SW 10	NE 9	274	.01	.	.17	.18	F	Cr	F	LSI	F	
6	NE 5	NE 10	SE 8	NW 6	N 14	184	.	.	.	.	Cr	Cr	Cy	Cr	Cr
7	NE 11	NE 6	E 6	E 8	SE 6	200	.	.	.	.	Cr	Cr	Cy	Cr	Cr
8	SW 14	SW 11	SW 7	SW 13	E 4	187	.	.	.03	.03	Cr	Cr	F	Cy	Cr	
9	s 1	SE 4	SW 9	SE 12	s 20	189	.	.18	T	.18	Cr	Cy	LS	Cy	Cy	
10	SW 32	SW 20	s 7	SW 3	SW 5	444	.	.	.04	.04	Cr	Cr	Cr	Cy	LS	
11	s 11	NE 13	NE 6	NE 6	N 10	173	.09	.01	.	.10	Cr	Cy	Cy	Cy	Cy	
12	w 6	NW 4	NE 4	N 12	N 8	181	.	.01	.08	.09	Cr	Cr	Cy	F	Cr	
13	SW 16	SW 14	W 12	SW 18	SW 18	391	.	.	.	.	Cr	Cr	F	Cr	Cr
14	w 28	SW 20	SE 4	s 8	s 20	353	.	.	.	.	Cr	Cr	Cr	F	Cr
15	SW 12	NW 6	NE 4	SE 6	SE 4	237	.	.	.01	.01	Cr	Cr	Cr	F	Cr	
16	SW 16	SW 20	SW 8	w 17	SW 20	314	.	.	.	.	Cr	Cr	F	F	F
17	w 44	NE 12	NE 4	SW 11	SW 24	484	.	T	.14	.14	F	Cy	LR	LR	Cy	
18	NW 17	w 13	SW 9	SW 12	SW 12	353	.	.	.	.	Cr	Cr	F	F	Cr
19	NW 24	SW 9	SW 10	SW 20	SW 17	411	.	.	.	.	F	Cr	F	F	F
20	w 29	NW 10	NW 8	SW 8	SW 15	478	.	.	.	.	Cr	Cr	Cr	Cr	Cr
21	NW 32	SW 35	SW 14	w 22	w 16	530	.	.	.	.	F	F	Cr	Cr	Cr
22	w 20	w 16	SW 8	SW 5	w 20	374	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	N 8	NW 4	E 8	SW 12	SW 6	259	.	.	.	.	Cr	Hz	Cr	Cr	Cr
24	SW 14	SW 6	SE 11	SW 12	NW 18	249	.	.	.	.	Cr	Cr	F	Cy	Cr
25	s 14	N 12	NE 14	NE 10	N 14	237	.	.04	.03	.07	F	Cy	Fy	Fy	Cr	
26	N 14	N 10	NE 8	N 7	NW 2	208	.	.	.	.	Cr	Cr	Fy	F	Cr
27	NE 6	NE 6	NE 20	NE 21	NW 21	294	.	T	.	T	Cr	Cr	Cy	Cr	Cr	
28	SE 6	s 1	SW 4	s 12	SW 16	164	.	T	.	T	Cr	Cr	Cr	Cr	Cr	
29	N 9	NE 8	NE 12	NE 4	NE 8	309	.	.	.	.	Cr	Cr	F	Cy	Cy
30	SW 18	SW 6	SW 11	SW 14	SW 8	378	.	.	.	.	Cr	Cr	Cr	Cr	Cr
31	SW 32	SW 16	SW 13	SW 15	SW 20	463	.	.	.	.	Cr	Cr	Cr	F	Cy
Mean	16	10	9	11	13	9268	.26	.45	1.51	2.22						

REMARKS.

Aug. 4. { Sleet, B. 2.00 P.M.; E. 3.40 P.M.
 { Snow, B. 5.00 P.M.; E. 6.10 P.M.
 { Sleet, B. 8.50 P.M.; E. D. N.
 5. Sleet, B. 5.00 P.M.; E. 6.30 P.M.

Aug. 8. Hail, B. 4.15 P.M.; E. 4.35 P.M.
 9. Snow, B. 10.15 A.M.; E. 1.15 P.M.
 10. " B. 8.00 P.M.; E. D. N.
 11. Snow and Sleet, B. 10.00 A.M.; E. 11.45 A.M.

AUGUST, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	Hidden	0	Hidden	0	0	KS 10 SW	KS 9 SW	KS 10 SW
2	Hidden	Hidden	Hidden	Hidden	0	N 10	KS 10	{ D. Fog } { N 10 }	D. Fog	0
3	0	0	Hidden	Hidden	0	S 5	K 3	N 10 W	K 10 W	K 3
4	CS 1	0	0	Hidden	Hidden	0	0	K 5 NW	N 10 SW	N 10 NW
5	CK 5	0	0	0	0	0	0	KS 7 SW	N 9 SW	S 7
6	0	0	0	0	0	0	0	KS 8 SE	KS 3	0
7	0	0	0	0	0	0	K 2	K 8 W	K 3 NW	0
8	C 1	CK 1	0	0	CK 2	0	K 1 NW	KS 7 SW	KS 9 NW	0
9	CS 1	CS 5	Hidden	CS 2	0	0	K 4 W	N 10 SW	KS 6 SE	S 8 S
10	0	C 2	0	CK 3	Hidden	0	0	K 2	KS 6 SW	N 10 SW
11	0	Hidden	Hidden	Hidden	Hidden	S 1	S 10 NE	S 10 NE	S 10 NE	S 10 N
12	CK 2	0	Hidden	CK 2	0	0	K 2	KS 10	KS 3	K 1
13	0	0	0	0	0	0	0	K 4	K 3 SW	0
14	0	0	0	0	0	0	0	0	KS 4	K 3 S
15	0	0	0	0	0	0	0	K 3	KS 7	0
16	0	0	C 3	C 4	CS 4	0	0	K 2	KS 2	0
17	CS 2	Hidden	Hidden	Hidden	0	K 3 W	S 10 NE	N 10 NE	{ D. Fog } { N 10 }	KS 8 SW
18	0	0	0	0	C 3	S 1	L. Haze	K 7 SW	KS 4 SW	0
19	CS 3 NW	CS 3	K 2 SW	C 5 SW	0	S 1 W	L. Haze	S 2 SW	0	S 5 SW
20	0	C 1	CS 1	K 1	C 2	S 1 W	0	0	L. Haze	0
21	0	CS 5 SW	CS 3 SW	C 1	0	S 4 NW	0	0	L. Haze	0
22	0	0	0	0	0	L. Haze	0	L. Haze	L. Haze	0
23	0	0	K 1 SW	0	0	S 1	D. Haze	L. Haze	L. Haze	0
24	0	0	0	0	0	0	0	K 5 SE	KS 8 SW	K 2 NW
25	0	CK 8 N	Hidden	Hidden	0	S 6 S	S 1	D. Fog	L. Fog	KS 3 N
26	0	0	Hidden	0	0	0	K 2 N	L. Fog	KS 5 N	0
27	0	K 1 NE	0	0	0	S 1	0	K 8 NE	K 1 NE	0
28	0	0	0	C 1	0	0	L. Haze	K 1 SW	0	0
29	0	0	0	0	0	0	0	KS 7 NE	KS 8	KS 8
30	0	C 1	0	0	0	S 2 SW	0	K 3 SW	K 1 SW	S 1
31	0	0	0	0	Hidden	0	0	K 1 SW	KS 4 SW	KS 10 SW

REMARKS.

Aug. 12. { Snow, B. 12.40 P.M.; E. 1.00 P.M.
 { Hail, B. 1.30 P.M.; E. 4.15 P.M.
 15. Sleet, B. 3.30 P.M.; E. 4.00 P.M.
 17. Rain, B. 11.40 A.M.; E. 8.30 P.M.

Aug. 25. { Snow, B. 12.20 P.M.; E. 1.00 P.M.
 { Hail, B. 2.10 P.M.; E. 2.50 P.M.
 27. Snow, B. 11.30 A.M.; E. 11.35 A.M.
 28. Sleet, B. 12 M.; E. 12.15 P.M.

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SEPTEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	1.10	1.12	1.16	1.15	1.19	1.15	34	38	45	42	39	39	46	34	85	72	58	62	73
2	1.21	1.23	1.23	1.22	1.23	1.22	36	41	49	39	35	40	49	31	69	73	50	79	79
3	1.21	1.23	1.22	1.19	1.21	1.21	36	38	42	41	36	38	44	32	66	58	60	59	69
4	1.22	1.24	1.23	1.22	1.23	1.23	36	40	40	39	35	37	42	34	66	67	86	65	92
5	1.22	1.23	1.22	1.19	1.19	1.21	33	35	42	36	35	37	46	31	85	79	68	79	79
6	1.14	1.15	1.13	1.11	1.11	1.13	34	37	41	36	33	36	43	33	85	64	59	85	85
7	1.09	1.11	1.08	1.04	1.05	1.08	31	36	43	34	32	35	43	30	85	69	68	85	85
8	1.03	1.05	1.04	1.01	1.00	1.02	30	35	40	32	31	34	41	28	84	79	73	92	78
9	1.00	1.02	1.03	1.04	1.05	1.03	31	32	37	34	32	33	38	28	50	71	64	78	78
10	1.06	1.08	1.08	1.06	1.07	1.07	30	34	40	41	33	34	42	28	78	66	59	67	78
11	1.05	1.06	1.03	.98	.96	1.01	30	38	43	38	32	35	44	30	84	72	51	72	85
12	.91	.92	.92	.85	.84	.89	28	32	40	33	30	33	41	27	67	65	67	85	78
13	.78	.79	.77	.77	.83	.79	25	31	33	23	21	26	34	20	80	85	92	100	100
14	.84	.87	.85	.85	.87	.85	23	27	30	26	23	25	30	20	100	100	100	84	92
15	.89	.93	.97	1.01	1.04	.97	21	25	29	31	27	26	32	20	91	73	67	71	74
16	1.05	1.05	1.04	1.02	1.04	1.04	24	27	32	33	28	28	37	23	80	84	85	85	84
17	1.03	1.03	1.00	.96	.94	.99	30	31	38	29	26	31	38	26	84	85	72	100	84
18	.91	.91	.94	.94	.96	.94	24	27	31	31	28	28	32	23	80	74	78	85	84
19	.96	1.00	1.02	1.04	1.09	1.02	25	28	33	32	30	29	34	25	73	77	71	92	62
20	1.13	1.18	1.18	1.16	1.17	1.16	26	30	31	29	27	28	31	23	84	78	62	77	74
21	1.05	1.03	1.00	.95	.92	.99	24	21	24	21	10	19	28	8	80	80	73	80	87
22	.85	.85	.82	.81	.81	.83	13	15	16	16	14	14	17	7	100	100	100	100	100
23	.76	.79	.86	.87	.89	.84	14	15	18	18	18	17	20	13	100	100	80	80	80
24	.92	.97	.98	.98	1.00	.97	17	24	28	27	27	24	32	15	87	73	54	74	74
25	.99	1.00	.99	1.00	1.00	.99	25	27	33	32	29	29	33	24	73	67	57	78	77
26	1.00	1.02	1.00	.99	1.00	1.00	26	29	36	31	27	30	37	25	84	84	79	85	84
27	.99	1.00	1.00	1.01	1.02	1.00	25	29	33	31	29	29	35	24	80	77	78	78	77
28	1.01	1.05	1.02	.99	.98	1.00	25	29	36	35	30	30	37	24	80	77	79	79	70
29	.96	.99	1.01	1.01	1.01	.99	26	29	32	35	29	29	37	25	84	77	78	72	77
30	.99	.99	.95	.91	.88	.94	27	31	36	36	31	31	38	26	74	78	79	79	78
Mean	1.01	1.03	1.03	1.01	1.02	1.02	27.0	30.4	35.0	32.0	28.6	30.2	36.7	24.6	81	77	72	80	81

REMARKS.

Sept. 1. Snow, B. 1.00 P.M.; E. 3.00 P.M.
 2. { Hail, B. 3.15 P.M.; E. 3.40 P.M.
 { Sleet, B. 4.50 P.M.; E. D.N.

Sept. 3. Sleet, B. 5.25 P.M.; E. 7.15 P.M.
 5. Snow, { B. 2.45 P.M.; E. 4.50 P.M.
 { B. 5.15 P.M.; E. 6.10 P.M.

SEPTEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Movement. 24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					24 Hours.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	SW 20	SW 36	SW 12	SW 24	SW 4	544	.	T	.03	.03	Cr	Cr	LS	Cy	Cr	
2	NW 15	SW 11	SW 13	SE 8	W 15	328	.	.	.24	.24	F	Cr	F	LS	LS	
3	NE 14	NE 16	NE 10	NE 6	NE 10	283	T	.	.20	.20	Cr	Cr	Cy	Cy	Cr	
4	NE 13	NE 8	NE 8	SW 9	SW 4	231	.	.	.	.	Cr	Cr	F	Cy	F
5	SW 34	NW 18	N 4	N 8	NW 18	386	.	.	.12	.12	Cr	Cr	Cr	Cy	F	
6	NE 16	NE 11	NE 6	W 4	NE 12	306	.	.	.06	.06	Cr	F	F	LS	Cr	
7	N 13	SW 4	SW 6	SW Fr	NW Fr	...	.	.	.09	.09	Cr	Cr	Cy	Cy	F
8	W Fr	SW 10	SW 12	W 17	W 17	...	.	.	.15	.15	Cr	Cy	Cy	Cy	Cy
9	NW 10	NE 11	NE 10	NE 4	NE 8	283	.	.	.01	.01	Cr	Cr	Cy	Cy	F	
10	NE 11	NE 4	SW 4	SE 8	S 16	185	.	.	.	.	Cr	Cr	F	F	Cr
11	SW 15	SW 4	SW 10	SW 20	SW 18	362	.	.	.	.	Cr	Cr	F	Cy	Cr
12	N 24	N 16	S 5	SW 24	S 15	495	.	.	.01	.01	Cr	F	Cy	Cy	Cy	
13	SW 12	SW 8	SE 11	NE 8	NE 12	275	.	.	.37	.37	F	Cy	Cy	HS	LS	
14	NE 10	NE 5	SW 17	SW 17	NE 16	254	.22	.03	.05	.30	HS	LS	Cy	Cr	Cr	
15	NW 12	NE 8	NE 8	NE 7	NE 3	195	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	SW 17	SW 24	SW 24	SW 28	SW 18	458	.	.	.	.	Cr	Cr	F	F	Cr
17	SW 27	SW 28	SW 16	SW 32	SW 26	524	.	.	.18	.18	Cr	F	Cy	Cy	Cr	
18	SW 38	SW 36	SW 8	N 4	N 2	565	.	.	.	.	Cr	Cr	Cy	Cr	Cr
19	W 20	NW 6	NE 6	NE 12	NE 14	204	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	NE 16	SW 10	NE 11	NE 12	NE 10	335	.	.	.	.	Cr	Cr	Cr	Cr	Cr
21	NE 28	NE 28	NE 25	NE 30	NE 30	641	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	NE 13	NE 8	NE 16	NE 12	NE 3	365	.	.	.	.	Fy	Fy	Fy	Fy	Fy
23	NE Gale	NE Gale	NE 16	N 17	N 22	363	.	.	.	.	Fy	Fy	Cr	Cr	Cr
24	NE 20	E 1	NW 8	NW 8	N 22	340	.	.	.	.	Cr	Cr	Cr	Cr	Cr
25	NW 21	W 16	NW 10	S 13	NW 7	391	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	NW 14	SW 20	SW 8	S 10	NW 18	238	.	.	.	.	Cr	Cr	Cy	Cy	Cr
27	NW 23	SW 16	NW 5	NW 4	NW 4	349	.	.	.	.	Cr	Cr	F	F	Cr
28	W 20	SW 6	SW 11	SW 14	SW 24	342	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	N 28	NE 16	W 5	W 8	SW 20	377	.	.	.	.	Cr	Cr	Cr	Cr	Cr
30	W 28	SW 20	W 12	SW 16	SW 14	469	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	*19	†14	11	†13	†14	†10817	.22	.03	1.51	1.76						

REMARKS.

Sept. 6. Snow, B. 3.45 P.M.; E. 5.30 P.M.
7. Hail, B. 2.25 P.M., E. 3.15 P.M.

Sept. 8. Hail, B. 2.15 P.M.; E. 3.50 P.M.
9. Snow, B. 2.10 P.M.; E. 2.50 P.M.

* For 28 days.

† For 29 days.

‡ Total by dial for 30 days.

SEPTEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	c 2	0	0	0	N 9 SW	KS 6 SW	s 2
2	CK 2	CS 2	0	Hidden	Hidden	s 2	K 1	K 6 SW	N 10 SE	N 10 W?
3	0	0	0	Hidden	0	s 1	L. Haze	K 8 NE	KS 10 NE	s 2
4	0	0	0	0	0	0	L. Haze	K 7 NE	KS 9 SW	s 5
5	0	CS 1	0	Hidden	0	s 1	0	K 2	KS 10	s 7
6	0	c 5	0	Hidden	0	s 1	0	KS 5	N 10 W	s 3
7	0	0	Hidden	0	c 5	0	K 2	KS 10 SW	s 9 SW	s 2
8	c 2	CS 8	0	0	Hidden	0	0	K 8 SW	s 10	K 10 W
9	0	c 2	0	Hidden	c 5	s 3	0	KS 8	KS 10	0
10	0	0	0	c 3	CK 3	0	0	K 7	K 1	0
11	0	0	0	0	CS 2	0	0	K 4 SW	KS 9	0
12	0	CS 5	0	Hidden	Hidden	0	0	KS 8	s 10	s 10 SW
13	0	c 6	Hidden	Hidden	Hidden	s 6	s 3	s 10 SE	N 10 NE	N 10 NE
14	Hidden	Hidden	Hidden	0	0	N 10 NE	N 10 NE	KS 10 SW	KS 1	s 1
15	0	0	0	0	0	0	0	0	0	0
16	0	c 3 W	K 4 SW	c 4 SW	c 1	0	0	0	K 3 W	0
17	0	c 5	0	Hidden	0	s 2	0	KS 8 SW	KS 10 SW	s 1
18	0	0	0	0	0	0	L. Haze	KS 8 SW	K 3 W	0
19	0	0	0	0	CK 1	0	K 1	K 2 SW	L. Haze	0
20	0	0	0	0	0	0	L. Fog SW	K 1 NE	L. Haze	0
21	0	0	0	0	0	0	0	L. Haze	0	0
22	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog NE	D. Fog	D. Fog NE	D. Fog NE	D. Fog NE
23	Hidden	Hidden	0	0	0	D. Fog NE	D. Fog NE	K 1 NE	0	0
24	0	0	K 2 NW	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0
26	0	0	0	Hidden	0	0	0	K 8 SW	KS 10 SW	0
27	0	0	0	0	0	0	0	{ L. Haze } { K 5 SW }	K 4 NW	0
28	0	0	0	CK 1	0	0	0	K 1 SW	0	0
29	0	0	0	0	0	0	0	0	0	0
30	0	0	CS 2 SW	0	0	0	0	0	0	0

REMARKS.

Sept. 12. Snow, B. 3.10 P.M.; E. 3.50 P.M.
 13. " B. 2.10 P.M.; E. 7.10 A.M. of 14th.
 14. " B. 7.50 A.M.; E. 10.00 A.M.

Sept. 14. Snow, B. 1.10 P.M.; E. 3.45 P.M.
 17. " B. 1.30 P.M.; 4.50 P.M.

OCTOBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.68	.64	.64	.70	.73	.68	25	23	26	29	26	26	31	22	80	100	84	84	84
2	.70	.74	.74	.75	.79	.75	22	26	33	31	28	28	33	20	80	84	78	85	84
3	.81	.83	.78	.76	.75	.78	23	28	30	27	25	26	30	23	80	92	92	100	92
4	.71	.79	.76	.77	.78	.75	20	23	27	25	18	22	27	18	80	80	84	80	80
5	.89	.88	.92	.94	.94	.91	16	22	26	26	22	21	29	10	76	80	84	84	80
6	.86	.90	.92	.85	.86	.88	19	26	29	29	26	25	30	19	80	73	84	92	73
7	.79	.77	.76	.75	.74	.76	22	26	32	30	26	27	33	22	73	73	85	77	74
8	.62	.60	.67	.69	.70	.66	16	16	23	20	12	17	27	12	67	76	80	70	76
9	.68	.70	.73	.77	.80	.74	15	19	19	18	17	17	20	8	76	80	80	91	76
10	.79	.80	.79	.80	.73	.77	14	19	22	19	16	17	22	14	76	80	80	100	87
11	.71	.70	.71	.70	.69	.70	12	19	21	20	16	16	21	11	87	100	100	91	100
12	.61	.60	.64	.64	.66	.64	10	16	21	16	15	15	21	9	73	67	91	100	100
13	.66	.64	.68	.71	.73	.69	9	18	18	14	15	14	18	9	87	80	80	76	76
14	.74	.77	.78	.79	.83	.78	11	14	21	21	19	17	21	11	73	76	73	80	70
15	.82	.86	.80	.79	.77	.80	16	21	26	23	22	21	26	16	67	73	67	92	80
16	.71	.66	.61	.56	.51	.61	20	22	25	22	21	22	27	17	100	91	92	91	80
17	.46	.41	.47	.51	.50	.48	10	10	14	14	11	12	24	9	100	100	87	87	100
18	.53	.54	.62	.66	.72	.62	11	10	13	14	10	11	17	6	100	100	87	87	100
19	.79	.84	.93	.83	.83	.85	11	15	20	20	17	16	20	9	100	87	80	80	76
20	.77	.75	.79	.78	.83	.80	17	16	21	19	14	17	22	12	87	87	80	80	87
21	.78	.77	.74	.70	.74	.76	13	13	16	18	14	14	19	11	87	87	87	91	87
22	.70	.68	.66	.64	.63	.67	11	12	19	16	13	14	19	10	87	76	80	87	76
23	.58	.58	.61	.66	.65	.62	0	1	3	5	1	1	13	-2	100	100	100	100	100
24	.66	.69	.69	.70	.69	.68	1	2	7	10	10	6	11	-1	100	83	69	61	73
25	.69	.70	.62	.56	.52	.61	14	16	20	19	15	16	21	7	76	76	80	91	87
26	.40	.43	.43	.46	.46	.43	11	11	15	13	11	12	22	10	87	87	87	87	73
27	.36	.36	.36	.35	.33	.35	14	9	15	11	7	12	16	3	87	87	76	100	69
28	.29	.30	.35	.41	.48	.37	4	7	9	0	-2	4	12	-5	83	83	87	83	100
29	.60	.58	.65	.67	.63	.63	10	10	16	15	13	13	17	-4	87	87	76	87	87
30	.62	.63	.71	.77	.76	.69	10	12	17	12	13	13	18	7	73	76	87	87	76
31	.88	.93	.93	.92	.94	.91	13	15	20	18	15	16	22	10	64	67	80	80	76
Mean	.68	.68	.69	.70	.70	.69	13.5	16.0	20.1	18.5	15.7	16.4	22.2	10.4	83	84	83	86	83

REMARKS.

Oct. 3. Sleet, B. 11.50 A.M.; E. 2.00 P.M.
9. Snow, B. 2.10 P.M.; E. 6.00 P.M.

Oct. 11. Snow, B. D. N.; E. 4.30 A.M.
12. " B. 1.30 P.M.; E. D. N.

OCTOBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	w 40	w 40	NW 40	SW 44	w 30	962	.	.	.	.	Cr	Cy	Cr	Cr	Cr
2	SW 36	SW 20	SW 20	SW 23	SW 32	693	.	.	.	.	Cr	Cr	Cr	Fy	Cr
3	SW 26	s 20	s 14	s 12	s 14	493	.	.01	T	.01	F	Fy	LSl	Fy	Fy	
4	SW ..	s 20	SE 16	SE 20	SE 20	280	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	NW 28	NW 22	NW 8	SW 17	SW 24	485	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	w 44	SW 24	SW 20	SW 32	SW 30	766	.	.	.	.	Cr	Cr	Cy	Cr	Cr
7	SW 36	w 32	w 24	w 24	w 24	689	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	SW 24	SW 34	SW 10	SW 24	SW 38	629	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	NW 12	NW 16	NW 16	w 20	w 22	504	.	.	T	T	Cr	Cr	F	LS	Cr	
10	SW 18	SW 10	SW 15	SW 18	SW 12	434	.	.	.	.	Cr	F	Cy	Fy	Fy
11	w 6	w 15	SW 18	SW 16	SW 14	304	.01	.	.	.01	Fy	Fy	Fy	Fy	Fy	
12	w 50	SW 25	SW 8	SW 18	SW 10	618	.	.	.03	.03	Cr	Cr	Cy	LS	LS	
13	SW 8	w 18	NW 32	w 38	w 36	485	.01	.	.	.01	Cr	Cr	Cr	Cr	Cr	
14	w 32	w 28	w 28	w 14	w 20	642	.	.	.	.	F	Cr	F	Cr	Cr
15	SW 32	SW 14	SW 31	SW 18	SW 11	637	.	.	T	T	Cr	Cr	Cy	LS	Cy	
16	SW 5	w 7	SW 16	SW 22	SW 28	406	.	.	.03	.03	Cy	Cy	Cy	Cy	Cy	
17	SW 8	SW 32	w 20	SW 17	SW 32	496	.	.	.	.	Cy	Cr	Cr	Cr	F
18	w Gale	w Gale	w 44	w 34	SW 38	696	.	.	.	.	Cy	Cr	Cr	Cr	Cr
19	w 16	SW 8	SW 21	w 24	SW 32	580	.	.	.	.	Cy	Cr	F	Cr	Cr
20	w 28	SW 28	SW 42	w 29	SW 14	707	.	.	.	.	F	Cr	Cr	Cr	Cr
21	SW 40	w 36	w 32	w 31	w 33	726	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	w 28	w 18	SW 12	SW 20	SW 24	522	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	w 11	NE 4	N 20	w 38	w 16	464	.	.	.	.	Cr	Cy	Cy	Cr	Cr
24	NW 24	N 18	NW 30	NW 38	NW 26	487	.	.	.	.	Cr	Cr	Cr	Cr	Cr
25	NW 40	w 21	SW 25	SW 36	N 40	645	.	.	.	.	Cr	Cr	Cr	F	Cy
26	NW 25	w 16	w 18	w 40	NW 32	643	.	.	.	.	F	Cr	Cr	Cr	Cr
27	SW 30	SW 37	SW 10	SW 40	SW 7	567	.	.	.05	.05	Cr	F	F	LS	Cr	
28	SW 34	w 40	w 2	NW 12	NW 26	590	.	.	.01	.01	Cr	Cr	Cy	F	Cr	
29	NW 42	NW 44	NW 34	w 32	NW 26	882	.	.	.	.	Cr	Cr	Cr	Cr	Cr
30	w 43	NW 44	NW 15	NW 18	NW 19	677	.	.	.	.	Cr	Cr	Cr	Cr	Cr
31	N 26	w 9	SW 12	w 26	w 17	423	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	*27	†23	21	26	24	18132	.02	.01	.12	.15						

REMARKS.

Oct. 15. Snow, B. 4.55 P.M.; E. 5.10 P.M.

Oct. 16. Snow, B. 3.00 P.M.; E. 3.25 P.M.

* For 29 days.

† For 30 days.

OCTOBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	Hidden	0	0	0	0	ks10 w	K 1 w	0	0
2	0	0	0	Hidden	0	0	0	K 2 w	D.Fog sw	0
3	CK 4 w	Hidden	Hidden	Hidden	Hidden	0	D.Fog sw	N 10 sw	D.Fog sw	D.Fog sw
4	CS 2 w	0	K 1 sw	0	0	0	K 2 sw	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	CK 3 sw	K 8 w	K 2 w	K 1 w	0	0	0	0	0
7	0	CK 2 sw	CK 2 sw	CK 3 sw	CS 2 sw	KS 2 sw	0	0	0	0
8	K 2 sw	CK 1 w	K 1 sw	CK 2 sw	0	0	0	0	0	0
9	0	0	K 6 w	Hidden	CS 3 w	0	0	0	N 10 w	0
10	CS 3 sw	K 7 sw	K 8 sw	Hidden	Hidden	0	0	0	D.Fog sw	D.Fog sw
11	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog w	D. Fog w	D.Fog sw	D.Fog sw	D.Fog sw
12	0	CS 2 w	0	Hidden	Hidden	KS 3 w	0	s 8 w	N 10 w	N 10 w
13	0	0	0	CS 3 w	0	0	0	s 3 w	0	0
14	CS 4 w	CS 3 w	0	CK 2 w	0	0	0	K 4 w	0	0
15	CS 3 w	C 3 sw	0	Hidden	Hidden	0	0	KS 8 sw	N 10 sw?	KS 10 sw?
16	Hidden	Hidden	Hidden	Hidden	0	KS 10 sw?	KS 10 w?	KS 10 sw	KS 10 sw	KS 8 sw
17	Hidden	0	0	0	0	KS 10 sw	0	0	KS 1 sw	KS 5 sw
18	Hidden	0	0	0	0	KS 10 w	0	K 1 w	K 1 w	0
19	0	0	0	0	0	KS 8 w	L. Fog sw	KS 7 sw	0	K 1 sw
20	0	0	0	0	0	KS 5 w	0	0	0	0
21	0	0	0	0	0	0	0	L. Haze	0	0
22	0	0	0	0	0	0	0	KS 1 sw	KS 2 sw	0
23	0	0	0	CS 1	0	0	KS 8 NE	KS 8 N	0	0
24	0	0	0	0	0	0	0	0	0	0
25	0	0	CS 2 w	CS 6	Hidden	0	0	0	0	s 10
26	0	0	0	0	0	s 6 w	0	0	0	0
27	0	0	0	Hidden	0	0	s 4 w	s 4 w	N 10	0
28	0	0	Hidden	0	0	0	0	s 10 w	s 7NW	0
29	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0

REMARKS.

Oct. 16. Snow, B. 5.10 P.M.; E. 7.50 P.M.
27. " B. 4.20 P.M.; E. 6.20 P.M.

Oct. 28. Snow, B. 1.45 P.M.; E. 3.30 P.M.

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NOVEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.98	.99	.99	.95	.95	.98	21	22	25	21	22	23	25	14	44	80	80	73	73
2	.86	.88	.88	.84	.81	.85	21	21	26	23	19	22	27	19	87	80	74	73	80
3	.81	.82	.80	.78	.74	.79	18	22	26	23	22	22	26	18	80	92	92	80	64
4	.63	.63	.54	.63	.51	.56	16	17	21	18	14	17	22	13	67	87	80	80	76
5	.53	.67	.65	.69	.68	.62	9	9	16	13	9	11	16	9	73	73	67	76	73
6	.76	.72	.71	.66	.62	.70	8	17	22	15	12	14	22	8	69	76	73	76	76
7	.54	.60	.61	.64	.62	.59	9	12	19	15	14	14	19	5	73	64	80	76	76
8	.51	.52	.49	.52	.46	.48	8	10	15	12	8	10	17	8	69	73	67	76	69
9	.45	.47	.45	.53	.56	.49	7	10	8	6	6	7	12	4	83	73	69	83	83
10	.61	.64	.64	.65	.73	.66	4	11	15	13	13	11	15	4	83	73	76	76	76
11	.84	.90	.91	.97	.97	.91	13	16	17	15	16	15	17	10	76	67	67	67	67
12	1.07	1.06	1.01	.96	.93	1.00	17	22	24	20	24	22	25	15	58	64	64	70	92
13	.89	.85	.77	.75	.78	.81	22	20	22	17	15	20	25	15	73	80	73	76	76
14	.73	.75	.72	.72	.76	.74	15	16	17	14	10	14	17	10	76	67	58	76	87
15	.79	.75	.87	.87	.90	.86	14	15	19	17	19	17	19	9	87	76	80	67	80
16	.89	.87	.85	.82	.80	.84	20	22	25	21	18	21	26	18	61	80	80	73	80
17	.81	.80	.77	.76	.70	.76	17	16	19	17	14	17	20	10	76	76	61	87	76
18	.67	.70	.65	.64	.60	.64	12	14	20	16	14	15	21	10	64	70	80	76	64
19	.50	.50	.48	.46	.45	.48	11	11	16	13	8	12	17	8	73	73	56	76	83
20	.39	.34	.30	.29	.28	.32	5	6	8	4	2	5	10	1	83	83	83	66	83
21	.30	.31	.32	.35	.34	.32	- 3	- 3	5	1	- 1	0	8	- 5	79	79	69	83	79
22	.35	.33	.36	.26	.37	.36	- 4	1	9	6	6	4	10	- 6	79	72	87	83	83
23	.42	.52	.53	.64	.59	.52	4	8	12	13	9	8	15	2	83	83	76	76	87
24	.56	.58	.50	.46	.38	.48	9	10	13	12	10	11	15	8	73	73	87	83	73
25	.34	.35	.33	.32	.37	.35	6	7	9	4	- 6	3	12	- 7	83	69	87	100	100
26	.51	.66	.66	.54	.69	.62	- 6	3	7	6	8	3	9	- 13	75	83	83	69	69
27	.76	.78	.80	.83	.79	.78	10	11	13	14	12	12	15	6	61	73	76	64	64
28	.94	.97	.97	.98	1.00	.97	9	12	18	16	16	14	18	8	73	76	70	67	87
29	1.03	1.07	1.06	1.07	1.07	1.06	20	24	25	24	24	23	26	13	61	80	92	73	92
30	1.04	1.03	1.00	.97	1.00	1.01	24	28	29	27	26	26	31	22	48	84	77	84	84
Mean	.68	.70	.69	.68	.68	.68	11.2	13.6	17.3	14.5	12.8	13.8	18.6	7.9	72	76	76	76	78

REMARKS.

Nov. 3. Snow, B. 12.45 P.M.; E. 2.30 P.M.
9. " B. D. N.; E. 8.50 A.M.

Nov. 9. Snow, B. 1.20 P.M.; E. 3.20 P.M.
20. " B. D. N.; E. D. N.

NOVEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	NW 23	NW 8	NW 6	W 24	W 32	440	.	.	.	.	Cr	F	F	F	F
2	W 30	W 36	W 22	W 26	W 32	675	.	.	.	.	Cr	Cr	F	Cr	Cr
3	SW 6	SW 8	SW 7	SW 16	SW 24	379	.	T	T	T	Fy	Fy	LS	Cr	Cr
4	SW 42	SW 40	SW 16	SW 8	SW 10	647	.	.	.	.	Cr	F	Cr	Cr	F
5	NW 12	N 8	W 40	W 22	W 52	469	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	W 40	W 56	W 22	SW 30	SW 40	863	.	.	.	.	Cr	Cr	F	Cr	Cr
7	W ..	W 62	W 38	SW 16	W 28	775	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	W 58	W 44	SW 16	SW 7	SW 28	914	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	SW ..	SW 7	NW 17	NW 11	W 16	†298	T	.01	.01	.02	LS	Fy	Cy	Fy	Cr
10	W 6	NE 3	N 1	W 16	N 3	502	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	0	NE 10	NE 16	NE 3	NE 14	222	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	NE 1	SE 1	0	W 28	NE 15	178	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	NW 1	W 5	SW 16	W 48	NW 28	335	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	NW 24	NW 28	N 20	NW 22	NW 12	559	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	NW 1	NE 1	N 12	NW 28	N 12	286	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	NW 20	N 8	W 2	W 15	NW 7	290	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	NW 19	W 27	W 33	W 40	W 53	634	.	.	.	.	Cr	F	F	F	Cr
18	w Gale	W 32	W 14	SW 28	SW 40	‡466	.	.	.	.	Cr	Cr	Cy	F	Cr
19	W 44	SW 19	S 9	S 10	W 14	547	.	.	.	.	F	Cy	Cr	Cr	Cr
20	SW 20	SW 25	W 46	W 58	W 58	943	.03	.	.	.03	Cy	Cy	F	F	Cr
21	W 20	W 30	SW 21	W 20	W 43	736	.	.	T	T	Cr	Cr	F	Cy	Cr
22	SW 34	W 50	W 44	W 50	W 34	1004	.	.	.	.	Cr	Cr	Cy	Cy	Cy
23	W 27	W 36	W 45	W 32	W 36	775	.01	.	.	.01	Cr	Cr	F	Cr	Cr
24	W 34	W 6	W 56	W 56	W 84	1013	.	.	.	.	Cr	Cr	F	F	Cr
25	SW 52	SW 15	SW 12	W 21	W 48	939	.	.	.01	.01	Cr	F	Cy	LS	Cr
26	NW 46	NW 8	W 35	W 64	W 48	1091	.	.	.	.	Cr	Cr	Cr	Cr	Cr
27	NW 24	NW 26	NW 18	NE 2	E 7	460	.	.	.	.	Cr	F	F	Cr	Cr
28	E 6	E 6	W 8	E 7	NE 8	137	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	NW 8	NE 10	NE 11	NE 15	NE 6	224	.	.	.	.	Cr	F	F	F	Cr
30	NW 12	N 4	W 6	NW 24	NW 34	261	.	.	.	.	Cr	F	Cr	F	Cr
Mean	*23	21	20	25	29	‡17062	.04	.01	.02	.07					

REMARKS.

Nov. 21. Snow, B. 2.20 P.M.; E. 2.40 P.M.

* For 27 days.

† Four hours record lost.

‡ Eight hours record lost.

§ Total for 29½ days.

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NOVEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	CS 7 W	0	0	0	0	0	K 7 W	S 7 W	S 6
2	0	C 3 W	CS 7 SW	0	CS 1 W	0	0	0	KS 2 W	0
3	Hidden	Hidden	Hidden	CS 3 W	0	D.Fog sw	D.Fog sw	N 10 sw	0	0
4	K 3 SW	K 7 SW	K 2 SW	CS 2 SW	0	0	0	0	0	KS 5 W
5	0	0	K 1 SW	0	0	0	0	0	0	0
6	0	0	CS 6 W	CS 2 SW	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	CS 3 W	K 2 SW	CK 2 SW	C 2 SW	0	0	0	0	0
9	Hidden	Hidden	0	Hidden	0	N 10 sw	D.Fog sw	K 8 W	D. Fog w	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	C 2 W	C 2 W	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
17	0	0	CS 5 W	CS 6	0	S 1	S 7 W	0	0	S 1
18	0	CS 3 W	CS 8 NW	CS 6 W	0	0	0	0	0	0
19	0	0	0	0	0	S 6	S 8 W	0	0	0
20	Hidden	Hidden	0	0	0	S 10	S 10 W	S 5 W	S 5 W	0
21	0	0	0	0	0	0	0	S 5 W	S 8 W	0
22	0	0	0	Hidden	0	0	S 3 W	S 8NW	S 10 W	S 8 W
23	0	0	CS 4 NW	0	0	S 2	S 3 W	0	0	0
24	0	0	CS 4	CS 7	0	0	S 3 W	0	0	0
25	0	0	Hidden	Hidden	0	0	S 4 W	S 10 W	N 10	0
26	0	0	0	0	0	0	0	0	0	0
27	0	0	C 5 W	0	0	0	S 5 W	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	0	0	CS 6 NE	0	0	0	S 7 E	0	S 4	0
30	0	CS 6 W	CS 3 NE	CS 4	0	S 1	0	0	0	0

REMARKS.

Nov. 23. Snow, B. D. N.; E. D. N.

Nov. 25. Snow, B. 1.50 P.M.; E. 6.00 P.M.

DECEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.94	.94	.95	.94	.95	.95	27	27	26	22	19	24	28	19	67	67	67	80	80
2	.86	.85	.81	.74	.69	.79	15	17	20	16	11	15	20	11	67	58	70	67	87
3	.61	.60	.61	.47	.66	.63	9	9	13	12	12	11	16	9	73	73	87	76	76
4	.66	.70	.66	.68	.67	.66	14	17	19	18	14	16	20	11	76	58	80	80	87
5	.60	.56	.47	.37	.32	.46	13	13	15	11	8	12	15	8	87	87	76	87	100
6	.25	.33	.40	.49	.49	.38	1	2	3	0	1	2	8	0	83	66	83	62	83
7	.54	.59	.60	.59	.64	.59	-12	-11	-10	-10	-8	-10	1	-12	100	70	70	70	100
8	.73	.81	.86	.90	.92	.84	-4	5	6	6	7	3	7	-8	56	69	69	69	69
9	.94	.97	.94	.97	.97	.95	7	10	14	12	12	11	14	4	69	60	76	64	64
10	.94	.99	.96	.94	.94	.95	11	14	15	13	11	12	16	11	87	76	76	76	87
11	.89	.90	.88	.86	.86	.88	9	12	16	15	11	12	16	9	87	76	67	76	87
12	.81	.83	.81	.80	.80	.81	9	12	18	17	16	14	18	9	73	87	80	76	67
13	.72	.75	.73	.76	.75	.73	11	19	18	15	13	14	20	10	73	80	91	76	64
14	.81	.86	.84	.88	.90	.85	8	10	15	11	8	10	16	8	83	73	67	73	83
15	.90	.87	.85	.78	.80	.85	6	9	15	14	17	13	18	6	83	73	67	76	87
16	.77	.76	.79	.75	.78	.78	15	18	21	16	13	16	23	7	76	80	80	76	76
17	.53	.51	.46	.54	.50	.50	13	18	20	15	12	15	22	11	87	80	70	76	87
18	.40	.42	.22	.35	.34	.32	8	9	10	5	4	7	12	4	100	87	73	83	83
19	.32	.36	.30	.42	.47	.36	2	7	8	8	8	6	10	0	100	83	83	83	83
20	.53	.54	.56	.62	.65	.58	11	13	13	10	5	10	14	5	87	87	87	87	83
21	.66	.68	.62	.63	.60	.63	13	18	21	20	19	18	21	5	64	80	91	91	91
22	.58	.55	.42	.44	.40	.47	16	15	16	13	11	14	19	11	87	87	100	100	87
23	.38	.39	.37	.39	.40	.38	10	10	10	1	1	7	12	1	87	87	87	83	65
24	.37	.42	.25	.32	.43	.35	3	-1	-8	-12	-8	-4	4	-12	66	79	100	70	74
25	.36	.31	.41	.42	.28	.35	5	1	4	7	7	5	7	-12	83	83	83	83	83
26	.29	.37	.35	.47	.50	.38	7	0	-3	-3	4	3	7	-4	100	83	79	79	83
27	.58	.67	.63	.68	.58	.59	12	14	18	14	13	14	19	3	64	53	70	76	76
28	.45	.53	.46	.45	.45	.45	10	12	14	9	5	10	16	5	73	76	76	87	83
29	.38	.40	.36	.36	.36	.37	2	2	4	0	-7	0	4	-7	83	83	100	100	74
30	.31	.36	.31	.32	.35	.33	-7	-7	-3	-9	-11	-7	-3	-11	74	74	79	74	70
31	.28	.30	.29	.32	.31	.29	-11	-21	-22	-27	-29	-21	-11	-32	100	100	100	100	100
Mean	.59	.62	.59	.60	.61	.60	7.5	8.8	10.5	7.7	6.4	8.1	13.2	2.2	80	77	80	79	81

REMARKS.

Dec. 5. Snow, { B. 9.30 A.M.; E. 2.50 P.M.
 { B. 7.30 P.M.; E. 9.40 A.M. of 6th.

Dec. 17. Snow, B. 8.00 P.M.; E. D. N.
18. " B. 2.00 P.M.; E. 4.00 P.M.

DECEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NW 8	NE 11	NW 9	W 10	W 4	331	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	W 40	W 44	SW 36	W 40	W 24	761	.	.	.	.	Cr	Cr	F	F	Cr
3	W 32	W 24	W 36	NW 36	NW 16	649	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	W 34	S 12	SW 16	SW 12	S 18	447	.	.	.	.	Cr	Cr	Cr	F	Fy
5	SW 7	NW 2	NE 4	NE 10	E 8	199	.	.01	.02	.03	Fy	Cy	LS	Fy	LS	
6	NE 12	NE 4	NE 14	NW 12	NW 4	247	.02	.01	.	.03	LS	LS	Fy	Cy	Fy	
7	N 12	NE 12	0	NE 32	N 20	285	.	.	.	.	Cy	Cy	Cr	Cr	Cr
8	NE 13	NE 10	NE 14	NE 20	NE 18	398	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	NE 20	NE 16	NE 8	NE 10	NE 21	388	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	NE 20	NE 14	E 16	E 14	E 24	382	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	E 18	E 24	E 11	S 16	S 15	433	.	.	.	.	F	Cr	Cr	F	Cr
12	SW 36	SW 32	SW 10	0	E 4	553	.	.	.	.	Cr	Cr	Cr	F	Cr
13	NE 10	NE 15	NW 12	NE 16	NW 28	288	.	.	.	.	F	F	Cr	Cr	Cr
14	NW 38	NW 28	N 18	N 10	N 10	585	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	N 14	N 6	N 18	NW 52	NE 32	540	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	N 40	N 46	NE 17	NW 44	N 36	852	.	.	.	.	F	F	Cr	Cr	Cr
17	NW 68	NW 64	NW 50	NW 16	W 20	1151	.	.	T	T	F	Cy	Cy	F	LS	
18	NW 10	NW 1	SW 16	W 22	W 42	343	T	.	.01	.01	Fy	Fy	Fy	Fy	Fy	
19	W 48	SW 11	W 18	W 22	W 10	664	.	.	.	.	Fy	Fy	Cy	Cy	Cy
20	0	NW 17	NW 16	NW 20	NW 22	265	.	.	.	.	Cy	Cy	Cy	F	Cr
21	W 58	W 60	W 60	W 35	SW 24	1081	.	.	.	.	Cr	Fy	Cy	Cy	Cy
22	SW Gale	SW 26	SW 15	SE 10	NW 12	†250	.	.	.15	.15	Cy	Cy	Cy	LS	Cy	
23	NW 14	NW 16	SW 8	NW 14	NW 28	447	.	.17	.19	.36	F	Cy	HS	LS	F	
24	NW 24	W 16	NW 25	NW 56	NW 62	676	.	.	.	.	Cy	Cy	Cy	Cr	Cr
25	W 72	NW 68	NW 52	W 80	W 71	1676	.	.	.	.	Cr	F	Cr	Cy	Cy
26	NW 5	N 5	NW 46	NW 48	NW 9	296	.08	T	.	.08	LS	Cy	Cr	Cr	Cr	
27	W 5	W 51	W 62	SW 32	W 72	680	.	.	.	.	Cr	Cr	Cr	Cr	Cr
28	SW 60	S 25	SW 32	SW 38	S 19	†1029	.	.	.	.	F	Cr	F	F	Cr
29	SW 16	S 5	W 12	W 32	W 34	456	.	.05	T	.05	Cr	Cy	LS	F	Cr	
30	W 39	SW 17	SW 13	W 24	W 6	610	.	T	.01	.01	Cr	Cr	LS	Cy	Cr	
31	W 18	N 17	N 16	N 20	N 32	447	.	.	.	.	Cy	Cy	F	F	F
Mean	*26	22	22	26	24	\$17409	.10	.24	.38	.72						

REMARKS.

Dec. 22. Snow, B. 5.00 P.M.; E. 8.00 P.M.

Dec. 23. Snow, B. 10.00 A.M.; E. 8.00 P.M.

* For 30 days.

† Nine hours record lost.

‡ One hour record lost.

§ Total for 30½ days.

DECEMBER, 1883.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	0	0	0	0	0
2	0	cs 3 sw	K 6 sw	cs 4 w	cs 2 w	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	c 3 sw	cs 2 sw	K 6 sw	Hidden	0	0	0	0	D.Fog sw
5	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog sw	s 10	N 10	D.Fog NE	N 10
6	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	D.Fog NE	s 10 NW	D. Fog
7	Hidden	Hidden	0	0	0	s 10	s 10 NE	K 3	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	c 2 E	cs 3 NE	0	0	0	0	0	0
11	K 6	0	c 3	cs 7 sw	0	0	0	0	0	0
12	0	0	c 3 sw	cs 7 w	c 2 NW	0	0	0	0	0
13	cs 6	cs 4 NE	CK 3 w	CK 3 NW	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	s 3 NW
16	cs 6 NW	cs 6 NW	c 3 NW	cs 2 w	0	0	0	0	0	0
17	cs 6 w	cs 8 w	cs 10 w	0	Hidden	0	0	0	ks 4 w	N 10 w
18	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog w	D. Fog w	D. Fog w	D. Fog w	D. Fog w
19	Hidden	Hidden	0	Hidden	Hidden	D. Fog w	D. Fog w	s 8 w	s 10 w	s 10 w
20	Hidden	Hidden	Hidden	0	0	s 10 w	s 10 NW	s 10 NW	s 4 NW	0
21	0	Hidden	Hidden	Hidden	Hidden	0	D. Fog w	s 10 w	s 10 w	s 10 sw
22	Hidden	Hidden	Hidden	Hidden	Hidden	s 10 sw	s 10 sw	s 10 sw	N 10 SE	s 10 NW
23	0	Hidden	Hidden	Hidden	0	s 5 w	s 10 NW	N 10	N 10	s 4 N
24	Hidden	Hidden	Hidden	0	0	s 10 NW	s 10 w	s 10 NW	0	0
25	0	0	0	0	Hidden	0	s 7 w	0	s 8 w	s 10
26	Hidden	Hidden	0	0	0	N 10	s 10	0	0	0
27	0	0	0	0	0	0	0	0	0	0
28	0	0	0	cs 6	0	s 7	0	s 4	0	0
29	0	Hidden	Hidden	0	0	0	s 10	N 10	s 5 w	0
30	0	0	Hidden	0	0	0	0	N 10	s 8 w	0
31	Hidden	cs 10	cs 2 NW	0	0	s 10	0	s 3 NW	s 6 NW	s 5 NW

REMARKS.

Dec. 26. Snow, B. D. N.; E. 5.30 A.M.

29. " B. 9.30 A.M.; E. 4.00 P.M.

Dec. 30. Snow, B. 1.00 P.M.; E. 2.30 P.M.

JANUARY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.32	.39	.42	.48	.43	.39	-28	-25	-18	-14	-15	-20	-14	-33	100	100	100	100	100
2	.46	.50	.41	.41	.34	.40	-11	-4	-3	-1	-5	-6	-1	-28	70	79	79	79	100
3	.33	.41	.33	.41	.42	.36	-4	-3	1	0	-1	-1	1	-5	79	79	83	83	79
4	.53	.54	.55	.62	.64	.57	-8	3	6	5	5	1	6	-9	74	66	83	83	83
5	.68	.73	.65	.56	.59	.63	8	16	12	11	10	10	16	5	83	87	87	87	73
6	.32	.32	.29	.34	.39	.33	5	6	6	5	2	4	10	2	83	83	100	83	100
7	.53	.59	.59	.58	.69	.60	-2	0	8	8	8	5	10	-2	100	83	87	83	69
8	.57	.63	.66	.69	.68	.64	4	6	8	7	6	6	8	4	100	100	83	69	83
9	.49	.47	.38	.37	.36	.41	5	7	9	4	-4	3	9	-4	83	69	73	100	100
10	.41	.50	.51	.58	.62	.51	-13	-13	-10	-11	-9	-11	-4	-16	100	100	100	70	74
11	.67	.74	.77	.81	.86	.77	5	10	13	12	15	11	16	-9	83	73	64	64	76
12	.90	.91	.84	.81	.77	.84	18	21	21	18	17	19	22	15	70	73	73	80	58
13	.62	.65	.62	.56	.54	.59	16	16	20	13	12	16	20	12	67	67	42	76	64
14	.43	.44	.38	.37	.38	.39	5	8	8	4	0	4	12	0	83	69	83	83	100
15	.36	.43	.42	.50	.52	.43	-7	-10	-8	-9	-8	-8	0	-12	100	70	74	100	74
16	.62	.68	.68	.72	.75	.68	-1	1	6	7	6	4	8	-8	79	83	40	55	69
17	.72	.68	.57	.51	.49	.59	2	8	12	5	3	6	13	2	66	83	76	69	52
18	.45	.50	.49	.50	.50	.48	4	4	2	-4	-7	0	6	-7	66	66	83	79	74
19	.48	.51	.53	.59	.64	.54	-14	-15	-8	-4	-3	-8	-3	-16	66	65	74	56	58
20	.71	.77	.80	.83	.84	.79	-3	4	8	6	4	3	8	-6	58	52	50	69	66
21	.81	.83	.75	.75	.72	.76	6	7	9	8	5	7	10	2	69	43	48	51	54
22	.60	.57	.54	.52	.52	.55	2	4	5	2	-1	2	9	-2	66	66	54	66	79
23	.50	.52	.51	.59	.54	.51	-9	-9	-6	-7	-7	-7	-1	-11	100	100	100	100	100
24	.57	.58	.56	.56	.56	.56	2	6	7	7	3	4	9	-9	66	69	55	69	83
25	.52	.54	.53	.53	.50	.52	2	5	11	7	7	7	12	0	83	54	61	69	43
26	.44	.38	.38	.40	.41	.41	3	2	6	3	2	4	7	2	83	83	76	83	83
27	.42	.48	.51	.57	.59	.51	-4	1	6	6	5	2	8	-6	79	83	83	83	100
28	.63	.70	.68	.66	.63	.65	5	8	12	11	8	8	12	3	100	100	87	87	69
29	.59	.58	.51	.57	.50	.54	6	8	12	9	7	8	13	4	83	83	82	73	83
30	.46	.49	.52	.53	.49	.49	-3	-1	6	6	-1	1	7	-5	79	79	83	83	79
31	.31	.40	.49	.58	.59	.46	-3	-2	5	9	7	3	12	-7	79	79	69	73	69
Mean	.53	.56	.54	.56	.56	.55	-0.4	2.2	5.3	4.0	2.3	2.4	7.8	-4.6	80	77	75	78	77

REMARKS.

Jan. 6. Snow, B. 12.30 P.M.; E. 4.00 P.M.

Jan. 9. Snow, B. 4.45 P.M.; E. D.N.

JANUARY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	N 37	N 37	NE 34	NE 32	NW 56	829	.	.	.	.	Cr	Cr	Cr	F	Cy
2	N 37	N 24	NW 58	NW 34	N 39	1012	.	.	.	.	Cr	Cr	Cy	Cy	Cy
3	NW 64	NW 46	NW 43	NW 48	NW 47	1174	.	.	.	.	Cr	F	Cr	Cy	Cr
4	NW 58	W 48	W 50	NW 38	NW 64	1223	.	.	.	.	Cr	Fy	Cr	Cr	Cr
5	NW 32	N 36	NW 20	NW 48	W 32	936	.	.	.	.	Cr	Cr	F	Cr	Cr
6	W 36	NW 30	NW 8	NW 20	N 22	703	†T	.01	T	.01	Cr	F	LS	Fy	Fy
7	N 27	NE 36	N 30	NE 22	NE 22	646	.	.	.	.	Cr	Cr	Cr	Cr	F
8	NW 30	NW 24	NW 20	N 18	NW 24	691	†T	.	.	T	Fy	F	F	Cr	Cr
9	W 36	W 25	W 20	NW 10	NW 12	684	.	†T	.01	.01	Cr	Cr	F	LS	LS
10	N 7	NE 12	N 4	NE 8	NE 16	235	.02	.	.	.02	Fy	Fy	F	Fy	Cr
11	N 24	E 18	NE 18	NE 24	N 30	517	.	.	.	.	Cr	Cr	Cr	F	Cr
12	NE 24	E 20	NW 38	NW 36	NW 48	699	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	NW 42	NW 25	SW 16	SW 19	SW 28	716	.	.	.	.	Cy	F	F	F	Cr
14	SW 38	SW 22	SW 14	SW 1	SW 3	515	.	T	T	T	Cr	Fy	LS	Fy	Fy
15	w Light	w Light	w 24	NW 12	w 32	*245	†T	.	.	T	Fy	Cr	Cr	Cr	Cr
16	NW 8	N 9	N 1	E 12	SE 12	216	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	s 1	s 1	E 8	NE 11	NE 10	296	.	.	.	.	Cr	Cy	Cy	Cr	Cr
18	NE 31	NE 16	NW 22	N 20	NW 28	481	.	.	T	T	Cr	Cr	Cy	F	F
19	NW 34	NW 47	NE 22	N 32	N 30	788	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	N 21	NE 23	NE 19	NE 15	NE 11	447	.	.	.	.	Cr	Cr	Cr	Cr	Cr
21	NW 25	W 30	W 23	NW 21	W 12	469	.	.	.	.	Cr	F	Cr	Cr	Cr
22	NW 27	NE 16	NW 5	NW 17	W 5	429	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	N 7	N 9	N 11	N 15	NE 19	330	.01	.01	.	.02	LS	LS	F	Fy	Cr
24	NE 21	NE 19	NW 18	NW 24	W 11	484	.	.	.	.	Cr	Cr	Cr	F	Cr
25	W 32	NW 15	SW 8	W 34	SE 34	625	.	.	.	.	Cr	Cr	Cy	Cy	Cr
26	W 18	W 52	SW 52	SW 42	W 34	951	.	.	.	.	Cy	F	F	F	Cr
27	W 38	W 34	W 52	W 24	SW 14	936	†T	.	§T	T	Cr	Cr	Cr	Fy	Fy
28	SW 11	s 7	s 24	SW 30	s 56	470	†.01	.	.	.01	Cy	F	Cr	F	Cr
29	SW 40	SW 44	SW 34	SW 26	SW 29	1015	.	.	.02	.02	Cr	Cr	Cr	Cr	LS
30	W 32	W 35	W 8	W 27	W 43	692	.01	.	.	.01	Cr	Cr	Cr	Cr	Cr
31	W 70	W 63	NW 64	NW 40	NW 42	1362	.	.	.	.	Cr	Cr	Cr	F	Cr
Mean	30	27	25	24	28	†20816	.05	.02	.03	.10					

REMARKS.

Jan. 14. Snow, B. 12.30 P.M.; E. 3.20 P.M.

* Six hours record lost.

† Total for 30½ days.

‡ Frost.

§ Fog

JANUARY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	Hidden	0	0	0	s 5 N	s 10 NW
2	0	0	CS 8 NW	Hidden	0	0	0	0	s 10	s 8 N
3	0	0	0	Hidden	0	0	s 6 NW	0	s 10 W	0
4	0	Hidden	K 3 W	CK 2 W	0	KS 3 W	D. Fog W	0	0	0
5	CS 3 W	C 1 NW	CS 6 W	0	0	0	0	0	0	0
6	0	CK 6 W	Hidden	Hidden	Hidden	0	0	N 10 NW	D. Fog NW	D. Fog NW
7	CS 3 NW	0	C 3 NW	CS 3	CK 4 NW	0	0	0	0	0
8	Hidden	CS 4 NW	CS 6 NW	C 2 NW	0	D. Fog NW	0	0	0	0
9	CS 2 W	CS 3 W	K 7 W	Hidden	Hidden	0	0	0	N 10	N 10 NW
10	Hidden	Hidden	K 7 NW	Hidden	0	D. Fog NW	D. Fog N	0	D. Fog NE	0
11	0	0	C 3 N	K 4 NW	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
13	K 8 W	CS 4 W	CK 6 W	K 5 SW	K 3 SW	0	0	0	0	0
14	0	Hidden	Hidden	Hidden	Hidden	0	D. Fog SW	N 10 SW	D. Fog SW	D. Fog SW
15	Hidden	0	0	C 2 W	0	D. Fog	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
17	0	CS 8 SE	CS 8 E	0	0	0	0	0	0	0
18	0	0	Hidden	0	0	0	0	s 10 NW	s 6 NW	s 6
19	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0
21	0	C 7	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0
23	Hidden	Hidden	0	Hidden	0	N 10	N 10 N	s 6 NW	D. Fog	0
24	0	0	0	0	0	0	0	0	s 7 NW	0
25	0	0	CS 8 SW	0	0	0	0	0	s 8 W	0
26	Hidden	CS 7 W	CS 5 W	0	0	s 10	0	0	s 7 W	0
27	0	0	0	Hidden	Hidden	0	0	0	D. Fog W	D. Fog
28	Hidden	CS 7	CS 3 SW	0	0	s 10	0	0	s 6 SW	0
29	0	0	0	0	Hidden	0	0	0	0	N 10
30	0	0	0	0	0	0	0	0	0	0
31	0	0	0	CS 7 NW	0	0	0	0	0	0

REMARKS.

Jan. 18. Snow, B. 2.00 P.M.; E. 2.20 P.M.
23. " B. D. N.; E. 9.15 A.M.

Jan. 29. Snow, B. 8.00 P.M.; E. D. N.

FEBRUARY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.59	.61	.59	.65	.65	.61	10	10	14	12	11	12	15	5	73	48	53	64	73
2	.65	.69	.64	.65	.61	.63	11	14	17	13	12	13	17	6	73	64	58	76	87
3	.60	.65	.59	.56	.52	.57	10	15	17	16	15	14	17	9	73	67	76	67	87
4	.41	.34	.35	.40	.40	.38	11	11	9	11	8	9	15	8	87	87	100	87	83
5	.34	.33	.30	.27	.26	.30	4	6	11	9	7	7	12	3	83	83	73	73	69
6	.26	.29	.26	.24	.16	.22	0	3	8	5	6	5	8	-1	83	83	69	83	83
7	.11	.21	.18	.22	.27	.18	-6	-5	2	5	3	0	6	-6	100	100	66	83	100
8	.31	.36	.36	.41	.43	.36	0	1	3	-2	-2	0	3	-2	83	83	83	79	79
9	.44	.46	.46	.49	.45	.44	-5	-1	2	4	5	1	5	-5	75	79	83	83	83
10	.40	.43	.43	.47	.47	.43	0	3	9	9	7	5	9	-1	83	83	73	73	83
11	.35	.34	.28	.25	.26	.29	5	9	10	9	7	7	10	5	83	73	60	73	83
12	.22	.21	.12	.06	.08	.13	0	2	6	4	-6	0	7	-6	83	83	69	66	74
13	.02	.07	.11	.11	.23	.12	-30	-24	-21	-23	-16	-22	-6	-30	100	100	100	100	65
14	.24	.33	.35	.36	.32	.30	-18	-10	-8	-7	-7	-11	-7	-20	61	70	74	74	74
15	.34	.31	.23	.24	.32	.29	-3	2	1	4	5	1	5	-7	58	83	83	83	83
16	.36	.36	.35	.36	.38	.36	7	7	10	7	4	7	13	4	69	69	87	69	83
17	.52	.48	.40	.36	.26	.39	1	7	8	8	6	5	10	-1	83	55	83	69	100
18	.19	.14	.06	.03	.03	.09	5	8	9	-7	-13	0	11	-13	100	100	100	100	82
19	.22	.38	.39	.43	.54	.38	-8	-4	-1	3	8	0	8	-21	86	75	79	83	83
20	.48	.52	.53	.52	.61	.54	7	6	4	1	2	4	8	1	83	91	83	83	66
21	.57	.55	.51	.50	.45	.50	-1	2	7	3	-1	2	8	-3	79	74	83	83	100
22	.53	.70	.73	.70	.70	.65	-1	4	9	9	7	5	10	-5	79	69	87	87	83
23	.54	.58	.62	.69	.74	.63	5	4	4	3	8	6	8	-3	83	100	100	83	69
24	.80	.83	.83	.81	.83	.82	15	17	18	17	16	16	20	8	76	76	70	67	67
25	.75	.76	.74	.73	.66	.71	12	10	13	12	10	12	16	9	76	87	87	87	87
26	.59	.58	.56	.55	.55	.57	7	7	-2	-8	-10	-2	10	-10	100	100	100	100	100
27	.50	.48	.45	.40	.43	.46	-14	-12	-11	-6	-6	-10	-6	-16	82	78	85	88	74
28	.42	.45	.45	.46	.45	.44	-7	-6	-2	-3	-10	-6	-1	-12	74	89	79	100	74
29	.44	.48	.50	.50	.48	.47	-8	-6	0	-1	-1	-3	1	-12	74	74	79	79	79
Mean	.42	.44	.42	.42	.43	.42	0.3	2.8	5.0	3.7	2.6	2.6	8.0	-4.0	81	80	80	81	81

REMARKS.

Feb. 3. Snow, B. 1.15 P.M.; E. 3.30 P.M.
 4. " B. 11.30 A.M.; E. 2.00 P.M.
 5. " B. 12.45 P.M.; E. 2.00 P.M.

Feb. 6. Snow, B. 3.20 P.M.; E. D. N.
 7. " B. 4.00 P.M.; E. 10.30 A.M. of 8th.
 11. " B. 3.00 P.M.; E. D. N. of 12th.

FEBRUARY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	NW 39	NW 48	NW 45	NW 36	NW 31	988	.	.	.	.	Cr	F	Cr	Cy	Cy
2	W 31	W 32	W 42	W 43	W 54	879	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	W 42	SW 18	s 27	SW 14	W 20	718	.	.	T	T	Cr	Cr	Cy	Fy	Fy
4	NW Lt.	NW 26	N 15	N 26	NW 23	†348	||T	.01	T	.01	Fy	Fy	LS	Cr	Cr
5	SW 25	SW 16	SE 5	s 18	s 26	480	.	T	T	T	Cr	Cr	LS	Cr	Cy
6	s 20	SW 11	s 16	SE 12	s 10	400	.	.	.02	.02	Cr	Cr	Cy	LS	HS
7	s 10	s 6	s 13	SW 13	SW 25	355	.01	.	.01	.02	Cy	Cy	Cy	HS	LS
8	SW 16	SW 3	SW 10	SW 16	W 41	397	.01	T	.	.01	LS	LS	Cy	Cr	Cr
9	SW 44	SW 36	SW 30	SW 31	W 60	903	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	SW 72	SW 25	SW 42	SW 24	s 13	1097	.	.	.	.	F	Cy	F	Cy	Cr
11	w 22	s 16	s 11	SW 31	SW 30	526	.	||T	.02	.02	Cy	Fy	Cy	LS	HS
12	s 9	s 1	SW 14	SW 12	w 15	383	.01	.02	.01	.04	LS	LS	LS	LS	LS
13	w 22	N 20	N 7	NE 32	N 24	481	T	.	.	T	Cr	Cr	Cr	Cr	Cr
14	N 48	N 48	NW 44	W 54	W 76	1036	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	w 84	w 64	w 64	NW 56	N 16	1554	.	.	.	.	Cr	Cy	Cy	F	Cr
16	w 5	NW 10	0	w 22	NW 20	272	.	T	.02	.02	Cr	Cr	LS	LS	LS
17	NW 38	NW 37	w 59	w 55	w 53	1123	.02	.	.03	.05	Cr	F	Cr	F	LS
18	SW 7	SW 19	s 9	NW 42	w 56	726	.09	.06	.02	.17	HS	LS	LS	F	Cr
19	NW 60	NW 44	NW 60	NW 20	NW 8	1095	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	w 9	w 6	w 4	NW 54	NW 46	473	.	.	.	.	Cy	Cy	F	F	Cr
21	w 58	w 56	w 48	w 48	NW 47	1225	.	.	.02	.02	Cr	Cr	Cr	Cy	LS
22	NW 64	N 40	NW 40	NW 65	w 68	1176	T	.	.	T	Cr	Cr	F	Cr	Cr
23	NW 64	NW 38	NW 39	N 32	N 40	1047	.	.01	.	.01	Cr	LS	F	Cr	Cr
24	N 28	N 22	N 18	NW 40	N 19	630	.	.	.	.	Cr	Cr	F	Cr	Cr
25	NW 44	NW 18	NW 16	NW 6	w 24	615	.	.	T	T	Cr	Cr	Cy	LS	Cr
26	N 2	N Light	NE 12	NE 12	NE 15	‡307	.04	.06	.05	.15	LS	LS	LS	LS	LS
27	N 26	NE 30	NE 18	NE 25	NW 32	533	.04	.	.	.04	Cr	Cr	F	F	Cr
28	NE 28	NE 18	N 6	w 10	NW 35	476	.	T	.18	.18	Cr	Cy	LS	LS	Cr
29	NE 36	NE 32	N 32	NW 32	NE 31	768	.	.	.	.	Cr	Cr	Cy	Fy	Cr
Mean	*34	*26	26	30	33	‡21011	.22	.16	.38	.76					

REMARKS.

Feb. 16. Snow, B. 12.10 P.M.; E. D. N.

Feb. 17. Snow, B. 8.00 P.M.; E. 3.00 P.M. of 18th.

* For 28 days.

‡ Total for 28½ days.

† 7 hours record lost.

|| Frost.

‡ 5 hours record lost.

FEBRUARY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	cs 7 NW	0	Hidden	0	0	0	0	s 10 w	s 8
2	0	c 2 w	c 3 w	0	0	0	0	0	0	0
3	0	0	Hidden	Hidden	Hidden	0	0	s 10 sw	D.Fogsw	D.Fogsw
4	Hidden	Hidden	Hidden	0	0	D. Fog w	D.Fognw	N 10 NW	0	0
5	0	0	Hidden	K 2 sw	Hidden	0	0	N 10	0	s 10
6	0	0	Hidden	Hidden	Hidden	0	0	s 10	N 10	N 10
7	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	s 10	s 10 sw	N 10 sw	N 10
8	Hidden	Hidden	Hidden	0	0	N 10	N 10	s 10 sw	0	0
9	0	0	0	0	0	0	0	0	0	0
10	cs 4 sw	Hidden	0	Hidden	cs 3 sw	0	s 10 sw	s 7 sw	s 10 sw	0
11	Hidden	Hidden	Hidden	Hidden	Hidden	s 10 w	D.Fogsw	s 10 sw	N 10 sw	N 10 sw
12	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	N 10	N 10
13	0	0	K 2 NW	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	cs 8 w	cs 9 w	cs 6 NW	cs 3 NW	0	0	0	0	0
16	0	0	Hidden	Hidden	Hidden	0	0	N 10	N 10	N 10
17	0	cs 4	0	0	Hidden	0	0	0	s 7 w	N 10
18	Hidden	Hidden	Hidden	0	0	N 10	N 10	N 10	s 5 NW	0
19	0	0	0	0	0	0	0	0	0	0
20	Hidden	Hidden	0	0	0	s 10 w	s 10 w	s 7 w	s 4 w	0
21	0	0	cs 3 w	Hidden	Hidden	0	0	0	s 10 w	N 10
22	0	0	0	0	0	0	0	s 7 w	0	0
23	0	Hidden	0	0	0	0	N 10	s 6 w	0	0
24	0	0	c 4 NW	0	0	0	0	0	0	0
25	0	0	Hidden	Hidden	0	0	0	s 10 NW	N 10	0
26	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	N 10	N 10
27	0	0	0	0	0	0	0	s 7 N	s 6 N	0
28	0	Hidden	Hidden	Hidden	0	0	s 10	N 10	N 10	0
29	0	0	0	Hidden	0	0	0	s 8 NW	D.Fognw	s 2 NE

REMARKS.

Feb. 21. Snow, B. 8.00 P.M.; E. D. N.

23. " B. 8.30 A.M.; E. 11.00 A.M.

25. " B. 5.00 P.M.; E. 5.20 P.M.

Feb. 25. Snow, B. D. N.; E. D. N. of 26th.

28. " B. 1.05 P.M.; E. 8.00 P.M.

MARCH, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.49	.50	.55	.59	.55	.53	- 2	- 1	4	2	3	2	5	- 3	79	68	91	74	83
2	.58	.54	.54	.56	.59	.57	6	8	10	10	8	8	12	2	69	58	60	73	58
3	.58	.58	.58	.59	.57	.58	8	9	14	11	8	10	14	5	58	73	76	61	69
4	.50	.52	.50	.49	.44	.48	11	14	16	15	14	14	16	6	87	76	82	76	76
5	.46	.46	.47	.51	.49	.47	8	11	15	15	14	12	16	8	69	73	76	76	76
6	.49	.51	.45	.45	.38	.44	11	13	15	15	9	12	15	9	73	76	76	76	73
7	.26	.29	.31	.29	.27	.28	5	7	14	8	1	7	14	1	83	69	64	69	83
8	.32	.29	.43	.54	.55	.44	- 7	-10	- 6	0	- 1	- 5	1	-10	74	73	74	83	79
9	.53	.58	.52	.47	.44	.50	5	9	14	11	10	10	14	- 1	83	73	76	73	87
10	.26	.20	.10	.09	.12	.18	10	11	12	7	- 4	6	12	- 4	73	73	98	83	79
11	.12	.21	.22	.34	.40	.25	-20	-18	-16	-14	-11	-16	- 4	-20	100	54	58	62	67
12	.39	.45	.46	.49	.50	.45	-10	- 7	0	- 2	- 6	- 5	0	-11	70	74	79	79	74
13	.52	.54	.57	.64	.67	.59	-10	- 9	- 5	- 2	0	- 5	1	-10	70	71	75	79	59
14	.71	.72	.70	.67	.68	.69	7	8	11	9	9	9	11	0	69	39	61	73	73
15	.58	.62	.63	.55	.54	.58	8	12	17	16	11	12	17	7	69	70	76	82	73
16	.48	.50	.50	.52	.56	.52	5	8	8	6	5	6	11	5	83	83	83	83	83
17	.59	.60	.60	.61	.63	.60	2	6	11	9	9	7	11	2	83	91	73	73	73
18	.61	.61	.60	.62	.62	.61	4	7	11	10	4	6	13	4	83	69	73	73	83
19	.59	.58	.55	.52	.49	.54	5	7	10	10	7	8	12	0	69	69	70	73	69
20	.42	.40	.46	.43	.46	.45	2	9	10	10	7	6	12	2	83	64	73	73	69
21	.35	.32	.34	.42	.44	.37	- 3	- 5	- 2	0	- 6	- 4	7	- 6	79	89	89	79	79
22	.51	.51	.52	.48	.46	.49	- 1	0	5	5	3	2	7	- 6	79	83	83	83	83
23	.42	.44	.40	.40	.41	.41	2	8	12	10	7	7	13	1	83	76	70	80	83
24	.32	.32	.30	.36	.48	.37	0	0	- 2	- 3	- 2	- 1	7	- 3	100	89	89	89	79
25	.52	.54	.56	.57	.57	.55	- 2	1	6	8	7	4	9	- 3	79	83	83	69	83
26	.46	.50	.47	.44	.36	.43	2	4	11	12	9	7	13	2	91	83	73	76	73
27	.11	.11	.14	.24	.36	.20	- 1	- 3	- 3	- 5	- 8	- 4	9	- 8	89	79	79	89	74
28	.48	.56	.58	.58	.60	.55	0	6	13	10	7	7	15	- 8	79	69	76	73	83
29	.58	.58	.55	.58	.60	.57	7	9	14	14	12	11	15	4	83	73	64	64	76
30	.58	.59	.64	.67	.65	.62	8	9	16	15	12	12	16	8	69	73	67	76	76
31	.53	.46	.37	.25	.24	.38	9	12	13	5	2	8	13	2	73	87	87	83	83
Mean	.46	.47	.47	.48	.49	.47	2.2	4.4	8.0	7.0	4.5	4.9	10.6	-0.8	78	74	76	76	76

REMARKS.

March 7. Snow, B. 3.30 P.M.; E. 10.30 P.M.
10. " B. 7.30 A.M.; E. 3.00 P.M.

March 16. Snow, B. D. N. of 15th; E. D. N.
17. " B. 1.00 P.M.; E. D. N.

MARCH, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NE 38	NE 32	NW 12	N 27	NE 28	685	.	.	.	.	Cr	Cr	F	F	Cr
2	NE 48	NE 35	W 31	NW 16	N 24	788	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	NW 44	NW 43	NW 36	NW 38	W 52	919	.	.	.	.	Cr	Cr	F	Cy	Cr
4	W 40	W 40	W 50	W 36	W 36	1091	*T	.	*T	T	Fy	Cy	Cy	Cy	Fy	
5	W 24	W 19	W 50	SW 36	SW 44	683	*T	.	.	T	F	Cy	F	Cy	Cy	
6	s 16	s 6	s 20	SW 24	W 43	633	*T	*T	.	T	Fy	Fy	Cr	F	F	
7	W 20	NW 26	W 7	NW 16	N 26	688	.	.	.02	.02	Cy	Cr	Cy	LS	LS	
8	W 15	NW 24	N 16	N 20	W 48	483	.01	.	.	.01	Cy	Cy	Cr	Cr	Cr	
9	W 60	W 52	W 44	SW 22	W 20	992	.	.	*T	T	Cr	Cr	Cy	Fy	Fy	
10	s 6	s 3	SW 39	W 33	NW 24	422	*T	.03	.01	.04	Fy	LS	HS	Cy	Cy	
11	NW 44	NW 16	W 36	NW 34	NW 37	858	.	.	.	.	Cr	Fy	Cr	Cr	Cr
12	W 40	NW 32	W 24	NW 12	W 12	717	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	N 17	NW 12	W 16	N 13	N 20	352	.	.	.	.	Cr	F	Cr	Cr	Cr
14	NW 21	NW 16	NW 6	W 29	W 40	444	.	.	.	.	F	Cr	F	F	Cr
15	W 58	SW 35	SW 24	SW 13	W 22	718	.	.	.	.	Cy	F	F	Cy	Cy
16	NE 8	NE 9	NE 11	NE 15	NE 10	287	.02	.06	.07	.15	HS	HS	HS	HS	LS	
17	NE 4	NE 2	NE 4	W 11	W 11	139	.02	T	.02	.04	Cr	Cr	LS	LS	LS	
18	W 8	N 1	W 14	N 6	N 8	166	T	.	.01	.01	Cr	Cr	Cr	LS	Cr	
19	NW 10	N 12	W 20	SW 25	s 24	359	.	.	.	.	Cr	Cr	F	F	Cr
20	SW 27	SW 32	SW 16	SW 25	SW 18	556	.	.	T	T	F	Cr	Cy	LS	Cr	
21	W 24	NW 28	NW 44	N 16	NW 44	637	.	.	.	.	F	Cy	Cy	F	Cr
22	NW 30	NW 16	W 32	SW 30	W 39	665	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	W 39	SW 10	E 12	E 13	E 7	569	.	T	T	T	F	Cy	LS	LS	LS	
24	NE 16	NE 16	NE 28	NE 36	NE 24	532	.02	.05	.02	.09	LS	LS	LS	LS	F	
25	NW 20	NW 28	NW 16	W 28	SW 50	594	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	SW 112	W 56	SW 32	s 24	SW 35	1131	.	.	.	.	Cr	Cr	Cr	F	Cy
27	W 56	NW 46	NW 49	NW 48	W 44	1019	.	.	.	.	Cy	Cy	F	Cr	Cr
28	NW 22	W 7	s 7	SE 7	s 21	376	.	.	T	T	Cr	Cr	Cr	Cy	F	
29	SW 25	SW 33	s 29	SW 20	SW 21	675	.	.	.	.	Cy	Cr	Cy	F	Cy
30	W 26	W 30	SW 17	SW 12	SW 20	513	.	.	.	.	Cr	Cr	Cr	Cr	Cr
31	SW 22	s 17	s 8	W 20	NW 56	437	.	.01	.02	.03	F	Fy	LS	LS	LS	
Mean	30	24	24	23	29	19128	.07	.15	.17	.39						

REMARKS.

March 18. Snow, B. 3.10 P.M.; E. 5.30 P.M.

March 20. Snow, B. 4.00 P.M.; E. 6.30 P.M.

* Frost.

MARCH, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	0	0	s 6NW	s 5NW	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	CK 6 w	0	CK 3 w	0	0	0	s 8 w	0
4	Hidden	Hidden	Hidden	Hidden	Hidden	D.Fog w	s 10 w	s 10 w	s 10 w	D.Fog w
5	0	0	0	Hidden	Hidden	s 7 w	s 8 w	ks 6 w	s 10 w	s 10 sw
6	Hidden	Hidden	k 3 sw	k 6 sw	cs 4 w	D.Fogsw	D.Fogsw	0	0	0
7	Hidden	CK 3 w	Hidden	Hidden	Hidden	s 10 w	0	s 10 w	N 10	N 10NW
8	Hidden	0	0	0	0	s 10	s 8 w	0	0	0
9	cs 3 w	0	0	Hidden	Hidden	0	0	k 8 w	D.Fogsw	D.Fogsw
10	Hidden	Hidden	Hidden	Hidden	Hidden	D.Fogsw	N 10	N 10	s 10	s 10
11	0	Hidden	0	0	0	0	L. Fog w	k 3 w	0	0
12	0	0	0	0	0	0	0	0	k 3NW	0
13	0	0	CK 3 w	0	0	KS 3 NW	KS 5	0	0	0
14	0	0	CS 5 w	CS 7 w	0	KS 4 w	KS 3NW	0	0	0
15	cs 8 w	cs 5 w	CS 7 sw	CS 9	0	0	0	0	0	KS 8 w
16	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	N 10	N 10
17	0	0	Hidden	Hidden	Hidden	0	0	N 10	N 10 w	N 10
18	k 2 w	0	0	Hidden	0	0	0	k 3 w	N 10NW	0
19	0	0	k 4 w	0	0	0	0	0	k 5 w	0
20	k 4 w	k 3 sw	0	Hidden	0	0	0	KS 8 w	N 10 w	0
21	cs 6 w	0	Hidden	0	0	0	KS 8 w	s 10 w	k 6NW	0
22	0	0	0	0	0	0	0	0	0	0
23	cs 7 w	cs 8 w	Hidden	Hidden	Hidden	0	0	N 10	N 10	N 10
24	Hidden	Hidden	Hidden	Hidden	0	N 10	N 10 NE	N 10 NE	N 10 NE	s 7 NE
25	0	0	k 2 w	0	0	0	0	0	0	0
26	0	0	k 2	k 6 sw	cs 9 sw	0	0	0	0	0
27	0	0	0	0	0	s 8 w	s 9 w	KS 7 w	k 2 w	0
28	0	c 3 w	CK 3 sw	0	cs 4 sw	0	0	0	s 9sw	0
29	Hidden	CK 3 sw	Hidden	cs 4 sw	Hidden	s 10 sw	0	s 10 sw	0	s 10 sw
30	0	0	0	cs 3	0	0	0	0	0	0
31	cs 6 w	Hidden	Hidden	Hidden	Hidden	0	D.Fogsw	N 10 sw	N 10 w	N 10 w

REMARKS.

March 23. Snow, B. 11.00 A.M.; E. 6.00 P.M. of 24th.
28. " B. 5.30 P.M.; E. 5.45 P.M.

March 31. Snow, B. 11.00 A.M.; E. D. N.

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APRIL, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.31	.40	.50	.58	.66	.49	- 2	0	4	2	0	1	4	- 2	89	79	83	91	79
2	.67	.68	.67	.65	.67	.67	1	8	12	9	7	7	12	- 2	83	69	87	87	91
3	.60	.62	.62	.62	.66	.63	0	2	6	6	3	3	7	0	89	83	83	83	74
4	.66	.66	.65	.65	.67	.66	0	5	15	13	10	8	15	0	79	76	87	87	87
5	.62	.63	.61	.58	.58	.60	4	7	11	10	11	9	13	2	66	69	61	73	87
6	.52	.55	.57	.59	.62	.57	0	2	9	10	7	5	11	0	89	83	73	87	91
7	.58	.56	.60	.64	.64	.61	- 3	0	6	7	1	1	7	- 3	79	79	83	69	83
8	.62	.68	.72	.74	.75	.70	0	7	12	14	10	7	15	0	89	69	64	53	60
9	.75	.76	.77	.76	.72	.75	11	14	17	17	13	14	18	9	73	64	67	67	76
10	.64	.61	.62	.57	.51	.59	12	13	21	18	12	15	22	10	76	76	73	70	76
11	.44	.42	.41	.46	.52	.45	8	9	10	11	9	9	12	8	83	87	80	73	87
12	.51	.48	.43	.41	.39	.44	3	8	11	12	8	7	13	3	91	83	87	87	83
13	.24	.27	.27	.28	.36	.29	1	4	10	7	5	5	10	1	83	83	87	100	83
14	.40	.42	.45	.44	.48	.44	- 2	1	7	7	2	2	8	- 3	89	91	83	83	83
15	.46	.53	.61	.60	.62	.56	0	6	14	14	10	8	15	- 2	89	69	76	76	73
16	.54	.53	.51	.48	.51	.52	9	15	18	15	12	13	18	9	87	67	73	67	76
17	.57	.54	.56	.56	.58	.57	11	15	20	17	14	15	20	10	73	87	80	67	76
18	.60	.60	.59	.59	.64	.61	9	14	15	8	6	10	15	6	87	76	87	91	83
19	.70	.68	.68	.66	.68	.69	1	6	13	10	- 3	4	13	- 3	83	91	76	87	89
20	.68	.68	.69	.69	.70	.69	- 3	1	4	6	7	3	7	- 7	79	83	83	83	83
21	.64	.69	.68	.69	.70	.68	3	8	15	12	8	9	15	3	83	76	76	76	69
22	.69	.70	.70	.71	.73	.71	7	13	16	15	13	12	17	7	69	76	87	76	76
23	.75	.76	.76	.77	.77	.76	8	14	18	17	16	14	18	8	69	76	70	76	76
24	.78	.79	.79	.74	.72	.76	14	18	23	20	18	18	23	14	64	70	76	70	80
25	.63	.60	.60	.54	.49	.58	13	18	22	21	17	17	23	13	76	70	80	73	67
26	.34	.36	.44	.53	.51	.43	1	2	8	9	8	6	17	1	91	83	69	73	69
27	.50	.49	.49	.51	.51	.50	4	10	16	15	13	11	17	3	83	73	87	76	76
28	.48	.46	.46	.41	.35	.43	11	15	17	12	4	11	17	4	73	76	82	87	83
29	.33	.34	.42	.46	.49	.41	- 5	3	10	10	6	4	11	- 5	89	83	73	73	69
30	.50	.48	.50	.51	.54	.51	3	10	11	11	6	7	12	0	83	73	87	87	83
Mean	.56	.57	.58	.58	.59	.58	4.0	8.3	13.0	11.8	8.4	8.5	14.2	2.8	81	77	79	78	79

REMARKS.

April 1. Snow, B. 4.15 P.M.; E. 6.30 P.M.
 2. " B. 10.15 A.M.; E. D. N.
 4. " B. 11.10 A.M.; E. 4.30 P.M.
 5. " B. 10.30 A.M.; E. 11.15 A.M.

April 5. Snow, B. 4.30 P.M.; E. D. N.
 6. " B. 11.00 A.M.; E. D. N.
 11. " B. 8.30 A.M.; E. 12.30 P.M.
 12. " B. 3.10 P.M.; E. 6.15 P.M.

APRIL, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	N 40	N 25	NE 20	NE 6	NW 2	777	.01	.	T	.01	Cy	Cy	Cy	LS	Cr
2	0	SW 2	SW 9	SW 8	W 12	143	.	.02	.02	.04	Cy	Cy	HS	LS	LS
3	W 14	NW 1	0	W 18	W 15	216	.01	.	.	.01	Cy	Cr	F	F	Cy
4	NW 16	0	0	0	E 14	134	.	.01	.01	.02	Cr	Cr	HS	Cr	Cr
5	W 20	NW 8	W 8	W 8	0	271	.	T	.04	.04	F	Cr	Cy	LS	HS
6	NW 28	NW 24	NW 34	W 25	NW 3	592	.02	.01	.02	.05	Cr	Cr	LS	LS	LS
7	NW 20	NW 56	NW 23	N 22	W 35	632	.01	.	.	.01	Cr	Cr	Cr	Cr	Cr
8	N 42	N 37	NW 24	N 16	NW 32	745	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	NW 36	NW 26	NW 6	SW 10	SW 32	598	.	.	.	.	F	Cy	Cy	Cy	F
10	SW 34	SW 42	SW 18	SW 19	SW 46	679	.	.	.	.	F	Cr	Cr	F	Cr
11	NW 10	N 20	NW 44	NW 26	NW 20	579	.	.02	.	.02	Cy	LS	Cr	F	Cy
12	W 17	W 24	SW 36	SW 28	SW 35	549	.	.	.01	.01	Cr	F	Cy	LS	Cr
13	W 28	W 27	NE 4	NW 34	NW 38	738	.	.01	.01	.02	Cr	Cr	LS	LS	F
14	NW 38	NW 18	NW 28	W 26	NW 36	773	.	.	.01	.01	Cr	Cr	Cy	LS	Cy
15	NW 62	NW 44	NW 11	SW 36	SW 32	877	.	.	T	T	Cr	Cr	Cy	F	Cr
16	SW 56	SW 32	SW 32	SW 48	W 60	1005	.	.	.	.	Cr	Cr	Cy	Cy	Cr
17	W 10	SE 4	E 12	SW 32	SW 22	367	.	T	T	T	Cr	Fy	LS	F	Cr
18	SW 11	E 4	NE 15	NE 27	NE 37	391	.	.01	.03	.04	Cy	Cy	LS	LS	HS
19	NE 13	NE 20	E 7	NE 16	NE 28	414	.04	.02	.02	.08	LS	LS	LS	LS	LS
20	NE 21	NE 8	N 6	NW 22	N 15	373	.01	.	.	.01	Cr	Cr	Cr	Cr	Cr
21	N 12	N 8	N 4	N 10	N 12	260	.	T	T	T	Cr	F	LS	Cy	Cr
22	N 16	N 4	NW 14	N 5	N 15	251	.	.01	T	.01	Cr	Cy	LS	LS	Cy
23	N 22	N 17	NW 20	NW 20	NW 32	519	.	.	T	T	F	F	Cr	Cy	Cr
24	NW 48	N 7	W 24	SW 46	W 42	767	.	.	.	.	Cr	Cr	Cr	F	F
25	SW 60	SW 1	W 20	SE 18	SW 40	791	.	.	T	T	Cr	Cr	Cr	F	F
26	NW 20	N 20	W 16	W 30	SW 20	562	.	.	.	.	Cy	Cy	F	F	Cy
27	SW 30	SW 26	SW 32	SW 36	SW 40	775	.	T	T	T	Cr	Cr	LS	Cy	F
28	SW 36	SW 28	S 16	SW 37	W 48	891	*T	T	.01	.01	Cy	Cy	LS	Cy	Cr
29	W 28	SW 47	S 28	SW 20	SW 31	707	.	.	.	.	Cr	Cr	Cr	F	Cr
30	NW 32	N 1	NE 6	0	N 10	389	.	T	.04	.04	Cr	Cr	LS	LS	HS
Mean	27	19	17	22	27	16765	.10	.11	.22	.43					

REMARKS.

April 13. Snow, B. 10.30 A.M.; E. 5.45 P.M.
 14. " B. 2.20 P.M.; E. 6.00 P.M.
 15. " B. 3.40 P.M.; E. 4.30 P.M.

April 17. Snow, B. 10.10 A.M.; E. 4.00 P.M.
 18. " B. 10.45 A.M.; E. D. N. of 19th.
 21. " B. 12.10 P.M.; E. 3.00 P.M.

* Frost.

APRIL, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	Hidden	Hidden	Hidden	Hidden	0	s 10	s 10 NW	s 10	N 10	K 3
2	0	cs 10 sw	Hidden	Hidden	Hidden	s 9	0	N 10 sw	N 10	N 10
3	0	0	K 4	0	Hidden	KS 8 w	0	0	K 5 w	s 10 w
4	0	0	Hidden	0	0	0	0	N 10	K 3 w	Lt. Haze
5	0	cs 3 w	0	Hidden	Hidden	KS 4 w	0	s 9 w	N 10	N 10
6	0	cs 3 w	Hidden	Hidden	Hidden	0	0	N 10 w	N 10 w	N 10
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	cs 7 w	cs 8 w	cs 8 w	Hidden	0	0	0	0	s 10 w	KS 6 w
10	cs 6 w	0	K 3 sw	0	0	0	0	0	K 4 sw	0
11	Hidden	Hidden	0	0	Hidden	s 10	N 10 NW	K 3 w	KS 7 w	s 10 NW
12	0	0	Hidden	Hidden	0	0	s 7 w	s 10 sw	N 10 w	0
13	0	0	Hidden	Hidden	cs 4 NW	0	0	N 10	N 10	0
14	0	0	Hidden	Hidden	Hidden	0	0	s 10 w	N 10	s 10 NW
15	cs 3 w	0	Hidden	0	0	0	0	s 10	K 4 sw	0
16	0	cs 3 sw	Hidden	K 8 w	0	0	0	s 10	0	0
17	cs 3 w	Hidden	Hidden	0	0	0	D. Fog s	N 10	K 7 sw	K 2 sw
18	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	s 10	N 10	N 10	N 10
19	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10 NE	N 10	N 10 NE	N 10 NE
20	0	0	0	0	0	0	0	0	0	0
21	0	cs 5 NW	Hidden	0	0	0	0	N 10	K 8 NW	0
22	CK 3 NW	0	Hidden	Hidden	Hidden	0	K 8 NW	N 10 w	N 10 NW	s 10 NW
23	cs 5 NW	cs 6 NW	CK 3 NW	0	0	0	0	0	K 8 w	0
24	0	0	CK 3 w	cs 6 sw	cs 7 w	0	0	0	0	0
25	cs 2 sw	cs 2 sw	CK 3 w	0	0	0	0	0	K 5 sw	KS 4 w
26	Hidden	Hidden	0	0	cs 8 sw	s 10 NW	s 10 NW	KS 6 w	s 7 w	0
27	0	0	Hidden	CK 8 sw	CK 6 sw	0	0	N 10 sw	0	0
28	Hidden	Hidden	Hidden	Hidden	0	s 10	s 10	N 10	s 10	0
29	0	0	0	0	0	0	0	0	K 6 sw	0
30	0	0	Hidden	Hidden	Hidden	0	0	N 10	N 10	N 10

REMARKS.

April 22. Snow, B. 11.15 A.M.; E. 6.00 P.M.
 23. " B. 3.35 P.M.; E. 4.00 P.M.
 25. " B. 2.45 P.M.; E. 3.30 P.M.

April 27. Snow, B. 12.10 P.M.; E. 1.45 P.M.
 28. " B. 11.15 A.M.; E. 3.00 P.M.
 30. " B. 12.30 P.M.; E. 7.30 A.M. of May 1st.

1889AnHar...22...1P

MAY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.52	.54	.56	.57	.61	.58	2	2	10	10	9	7	10	2	83	96	82	80	87
2	.63	.64	.65	.65	.66	.64	6	10	14	19	10	10	19	6	86	80	94	86	80
3	.62	.61	.59	.57	.56	.59	6	8	14	14	10	10	16	5	76	91	82	78	80
4	.45	.46	.46	.39	.46	.46	10	14	16	14	- 1	8	18	- 1	87	87	76	82	89
5	.48	.56	.66	.59	.69	.61	- 2	6	14	16	12	8	17	- 3	92	83	87	76	82
6	.70	.75	.76	.78	.83	.76	12	14	19	16	12	15	20	10	76	76	74	100	100
7	.89	.92	.97	.99	1.01	.96	12	16	22	24	16	16	24	10	80	84	88	70	80
8	1.01	1.02	1.06	1.04	1.05	1.04	18	22	26	29	26	24	30	16	80	73	84	84	84
9	1.04	1.02	1.04	1.02	1.01	1.03	22	26	32	32	26	27	36	22	80	79	80	82	74
10	.96	.96	.93	.90	.88	.92	24	28	32	28	24	26	32	24	80	84	92	92	80
11	.84	.84	.80	.80	.84	.83	22	24	29	29	26	25	30	20	80	73	92	90	92
12	.82	.83	.81	.80	.81	.81	22	28	26	27	25	25	28	20	80	77	100	92	100
13	.77	.78	.79	.77	.78	.78	20	20	25	23	20	22	25	17	100	91	83	92	92
14	.77	.81	.80	.78	.79	.79	18	19	26	28	22	22	28	15	84	91	92	92	100
15	.79	.80	.78	.72	.68	.75	20	24	30	23	18	23	30	16	87	80	84	100	100
16	.62	.64	.63	.65	.65	.63	12	12	16	16	12	14	19	10	96	100	93	82	96
17	.65	.68	.76	.79	.81	.74	12	14	21	20	18	17	22	12	68	85	86	86	80
18	.80	.78	.80	.81	.81	.80	16	18	24	26	22	21	26	15	82	91	92	84	80
19	.74	.75	.76	.72	.73	.74	20	22	28	27	25	24	28	19	100	73	92	92	100
20	.67	.64	.62	.59	.61	.63	22	29	28	22	20	23	32	20	100	92	100	100	91
21	.58	.59	.59	.59	.60	.59	16	26	28	23	17	20	29	14	76	92	88	100	100
22	.63	.68	.74	.76	.81	.73	18	20	24	26	21	21	26	16	91	87	92	92	100
23	.83	.82	.84	.84	.88	.85	18	24	22	25	22	21	26	17	87	92	92	86	100
24	.89	.85	.91	.91	.94	.91	17	22	24	26	25	22	28	17	82	86	92	100	80
25	.92	.92	.92	.87	.87	.90	22	24	28	26	22	24	29	18	76	82	92	92	100
26	.84	.82	.80	.78	.79	.81	19	30	32	28	28	26	32	19	86	88	86	92	100
27	.76	.76	.74	.62	.76	.75	26	25	30	30	25	27	32	22	92	80	92	84	86
28	.78	.77	.78	.79	.79	.78	18	28	31	31	28	26	40	16	80	84	84	84	84
29	.80	.83	.83	.84	.88	.84	24	26	30	26	24	26	30	20	76	92	92	78	86
30	.89	.91	.90	.88	.90	.89	22	28	31	22	26	26	32	22	92	84	92	86	92
31	.90	.88	.87	.87	.88	.88	22	30	26	30	26	25	34	20	96	92	100	88	100
Mean	.76	.77	.78	.76	.79	.78	16.7	20.6	24.4	23.7	20.0	20.4	26.8	14.7	85	85	89	88	90

REMARKS.

May 1. Snow, B. 11.20 A.M.; E. D. N.	May 12. { Sleet, B. 10.20 A.M. At intervals. E. 11.30 A.M. Snow, B. 4.00 P.M.; E. 4.20 P.M. " B. 6.15 P.M.; E. 6.30 A.M. of 13th.	May 15. { Snow and Sleet, B. 1.15 P.M.; E. 2.00 P.M. Sleet, B. 5.15 P.M.; E. 5.35 P.M. 16. { Snow and sleet, B. 6.00 A.M. At in- tervals. E. 12.30 P.M.
6. " B. 7.30 A.M.; E. D. N.		
10. " B. 12.05 P.M.; E. 12.40 P.M.		
11. { Sleet, B. 11.10 A.M.; E. 11.20 A.M. Sleet and Snow, B. 5.10 P.M. At in- tervals. E. 6.00 P.M.	14. Snow, B. 7.00 P.M.; E. D. N.	

MAY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	W 20	W 13	W 14	W 25	W 16	412	.03	.01	.02	.06	LS	Cr	LS	LS	LS	
2	NW 4	N 1	0	0	0	108	.02	.	.	.02	Cy	Cy	Fy	Cy	Cr	
3	NE 20	NE 23	NW 6	N 11	NW 20	335	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	W 52	W 36	SW 36	NW 54	NW 34	884	.	.	.	.	Cr	Fy	F	F	Cy
5	N 43	N 24	N 8	N 17	W 25	562	.	.	.	.	Cr	Cr	Cr	F	Cr
6	W 26	NW 9	NW 5	NE 12	NE 5	464	.	.01	.10	.11	F	LS	LS	LS	LS	
7	N 7	NE 8	E 7	NE 2	NE 18	192	.01	.	.	.01	Cr	F	F	Cr	Cr	
8	NE 10	NE 10	N 7	SW 25	W 32	409	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	W 27	W 25	N 5	N 4	NW 5	435	.	.	.	.	Cr	Cr	F	F	Cr
10	NW 26	NW 6	SW 20	SW 20	NW 25	457	.	T	.	T	F	Cr	F	F	F	
11	W 24	NW 24	NW 5	W 7	N 11	360	.	T	T	T	Cr	Cr	F	Cy	Cr	
12	W 28	W 16	W 10	S 19	W 17	452	.	T	.16	.16	Cr	F	Cy	Fy	LS	
13	W 13	NW 4	SW 14	SW 24	W 30	458	.16	T	.	.16	LS	Cr	F	F	Cr	
14	W 36	W 18	W 4	SE 13	SE 13	444	.	.	.13	.13	Cr	Cy	Cy	Cy	LS	
15	SW 10	SE 8	S 8	SE 15	W 31	296	T	.	.02	.02	Cr	F	Fy	Fy	Fy	
16	W 26	W 15	NW 15	NW 14	NW 39	588	.	.08	.	.08	Fy	LS	Fy	Cy	Fy	
17	NW 52	NW 42	N 10	W 21	W 15	796	.	.	T	T	Cr	Cr	Cy	F	Cr	
18	NW 15	NW 15	W 18	W 19	SW 17	426	.	.	.	.	Cr	F	Fy	F	Fy
19	SW 19	W 11	S 4	S 5	SE 11	347	T	T	.15	.15	Fy	F	Slt	Slt	LS	
20	E 10	E 4	SW 24	SW 38	NW 16	357	.10	.04	.06	.20	LS	F	Slt	LS	Cy	
21	W 20	E 5	SW 12	SW 8	NW 17	375	.	.	.05	.05	Cr	F	Cy	LS	LS	
22	SE 12	N 13	N 15	N 5	NE 5	265	.05	T	.46	.51	Fy	Fy	F	Slt	HS	
23	W 5	W 7	NW 19	N 6	N 3	232	.02	.01	.15	.18	F	F	Cy	Cy	HS	
24	W 7	W 17	NW 11	W 7	W 22	300	.05	.02	.02	.09	Cr	Fy	F	LS	Cr	
25	N 18	NW 7	NE 7	NE 8	N 13	298	.	T	.25	.25	Cr	F	LS	Slt	Cy	
26	W 5	SW 8	W 23	SW 22	S 8	306	.	T	.03	.03	Cr	Fy	Fy	Cy	LS	
27	SW 7	W 12	SW 19	SW 24	SW 11	344	.01	.	.01	.02	F	Cr	Fy	Cy	LS	
28	0	W 20	SW 24	SW 31	SW 30	368	.06	T	.	.06	Cr	Cr	F	Fy	Cr	
29	SW 26	S 12	W 24	SW 32	SW 18	611	.	.25	T	.25	Cr	Slt	Cy	Cr	LS	
30	SW 9	W 6	SW 16	NW 11	S 7	345	.10	.	.14	.24	Fy	Cr	F	Cy	LS	
31	NW 6	SW 12	SE 16	S 7	W 8	296	.12	T	.	.12	F	Fy	Fy	Cy	Fy	
Mean	19	14	13	16	17	12522	.73	.42	1.75	2.90						

REMARKS.

May 17. Sleet, B. 1.15 P.M.; E. 1.25 P.M.
 { Sleet, B. 1.05 P.M.; E. 1.15 P.M.
 19. " B. 3.30 P.M.; E. 4.00 P.M.
 { Sleet and Snow, B. 4.55 P.M.; E. 7.00 A.M. of 20th.
 May 20. Sleet and Snow, B. 1.00 P.M.; E. 6.30 P.M.
 21. " " B. 1.25 P.M.; E. D.N.
 { Sleet, B. 12.30 P.M.; E. 12.40 P.M.
 22. { Sleet, Hail, and Snow, B. 4.55 P.M.; E. D.N.
 May 23. Snow, { B. 9.30 A.M.; E. 10.25 A.M.
 { B. 6.30 P.M.; E. D.N.
 24. " { B. 12.10 P.M.; E. 12.50 P.M.
 { B. 3.50 P.M.; E. 7.35 P.M.
 25. " { B. 12.55 P.M.; E. 2.35 P.M.

1889AnHar...22...1P

MAY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	Hidden	0	Hidden	Hidden	Hidden	N 10 W	K 3 W	N 10 W	N 10	N 10
2	Hidden	Hidden	Hidden	Hidden	0	s 10	s 10	D. Fog	s 10	0
3	0	0	0	0	0	0	0	K 2 NW	K 2NW	0
4	0	Hidden	0	0	Hidden	0	D. Fog w	K 4 SW	s 5 W	s 10
5	0	0	0	0	0	0	0	K 1 N	s 4NW	0
6	0	Hidden	Hidden	Hidden	Hidden	s 6 W	N 10	N 10	N 10	N 10
7	0	0	0	0	0	0	s 7 NE	K 6 NE	K 2 E	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	K 4NW	K 6 N	0
10	0	0	0	0	0	s 4 NW	K 2 NW	s 5 SW	s 7 SW	s 6NW
11	0	0	0	0	0	0	0	s 7 NW	s 8 W	0
12	0	0	Hidden	Hidden	Hidden	s 3 W	s 5 W	s 10 W	D. Fog	N 10
13	Hidden	0	0	0	0	N 10	0	s 5 SW	s 6 SW	0
14	0	Hidden	Hidden	Hidden	Hidden	0	s 10 W	s 10	s 10 SE	N 10
15	0	0	Hidden	Hidden	Hidden	0	K 7 SE	D. Fog	D. Fog SE	D. Fog
16	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog w	N 10 W	D. Fog w	s 10 W	D. Fog
17	0	0	Hidden	0	0	0	0	s 10 NW	s 6 W	0
18	0	0	Hidden	0	Hidden	0	s 5NW	D. Fog w	s 7 W	D. Fog
19	Hidden	0	Hidden	Hidden	Hidden	D. Fog sw	s 6 SW	N 10	N 10	N 10
20	Hidden	cs 5	Hidden	Hidden	Hidden	N 10	L. Haze	N 10	N 10	s 10
21	0	0	Hidden	Hidden	Hidden	0	K 5 E	s 10 SW	N 10	N 10
22	Hidden	Hidden	0	Hidden	Hidden	D. Fog	D. Fog	K 6 NW	N 10	N 10
23	cs 4	0	cs 8 NW	0	Hidden	0	K 7 SW	0	s 8 N	N 10
24	c 3	Hidden	0	Hidden	0	0	D. Fog	s 7 NW	N 10	0
25	0	0	Hidden	Hidden	Hidden	0	s 4 NW	N 10	N 10 NE	s 10
26	0	Hidden	Hidden	Hidden	Hidden	0	D. Fogsw	D. Fog	s 10 SW	N 10
27	cs 7 SW	0	Hidden	cs 7 SW	Hidden	0	0	D. Fog	s 2 SW	N 10
28	0	0	0	Hidden	0	0	0	K 4 SW	D. Fog sw	0
29	0	Hidden	Hidden	0	Hidden	K 1 SW	N 10	s 10 W	s 2 SW	N 10
30	Hidden	0	0	Hidden	Hidden	D. Fog	0	K 4 SW	s 10 NW	N 10
31	cs 4	Hidden	Hidden	Hidden	Hidden	0	D. Fog	D. Fog	s 10 S	D. Fog

REMARKS.

May 25. Sleet and Snow, B. 4.10 P.M.; E 7.45 P.M.
 26. { Sleet, B. 9.30 A.M.; E. 9.55 A.M.
 " B. 6.20 P.M.; E. 6.30 P.M.
 Snow, B. 8.10 P.M.; E. D. N.

May 27. Sleet and Snow, B. 7.05; E. D. N.
 28. Sleet, B. 12.20 P.M.; E. 12.35 P.M.
 29. { Sleet and Snow, B. 8.50 A.M. At in-
 tervals. E. 10.30 A.M.

May 29. Snow, B. 9.00 P.M.; E. D. N.
 30. { Snow, B. 5.20 P.M.; E. 6.00 P.M.
 Sleet and Snow, B. 6.45 P.M.; E. D. N.
 31. Sleet, B. 12.50 P.M.; E. 1.00 P.M.

METEOROLOGICAL OBSERVATIONS.

JUNE, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00.						Temperature.						Relative Humidity.						
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.88	.91	.90	.90	.94	.91	22	25	29	29	29	27	37	20	80	80	100	88	84
2	.93	.92	.93	.92	.92	.93	26	34	34	29	26	29	35	22	74	78	85	77	79
3	.89	.92	.93	.89	.94	.92	24	28	30	30	28	28	32	24	80	84	92	88	80
4	.92	.91	.90	.85	.86	.89	28	34	35	28	28	30	35	24	77	74	78	92	79
5	.84	.86	.86	.84	.85	.85	24	30	32	30	28	28	36	22	76	78	74	84	67
6	.86	.88	.86	.79	.80	.84	26	34	34	30	27	29	36	24	70	77	68	80	100
7	.72	.72	.73	.72	.75	.73	24	26	23	24	23	23	31	22	92	92	92	92	86
8	.83	.87	.91	.91	.94	.89	24	28	32	32	30	28	33	20	76	84	85	88	92
9	.93	.98	.97	1.01	1.11	1.01	28	34	35	32	32	32	36	26	82	74	72	81	78
10	1.00	1.01	.96	.96	.94	.97	30	36	34	30	31	32	39	30	70	72	85	85	85
11	.69	.72	.70	.77	.69	.69	26	24	26	29	22	25	31	22	88	80	74	80	80
12	.77	.81	.88	.93	.96	.87	20	25	33	34	29	28	35	19	76	73	81	74	77
13	1.02	1.00	1.03	1.01	1.02	1.02	33	34	37	38	32	34	39	29	78	74	69	68	81
14	.96	.97	.97	.93	.92	.95	28	32	36	32	28	30	36	27	84	81	82	88	88
15	.84	.88	.93	.94	.97	.92	19	24	30	31	25	24	32	19	80	76	80	78	80
16	.99	1.00	.98	.97	1.00	.99	28	32	26	30	28	28	33	23	80	81	92	80	84
17	1.00	1.00	.99	.99	.99	.99	21	30	25	25	26	24	31	19	85	80	80	80	88
18	.99	.98	1.02	1.01	1.01	1.01	24	28	28	28	28	27	30	24	92	88	88	92	92
19	1.00	.99	.99	.97	.98	.99	28	30	34	31	28	30	35	26	88	92	82	88	88
20	.94	.94	.92	.92	.94	.94	26	32	32	34	28	29	34	26	78	81	81	74	88
21	.93	.94	.94	.96	.98	.95	30	33	31	32	29	30	34	26	80	78	81	81	80
22	.99	.99	.98	1.00	1.03	1.00	25	32	34	35	31	30	36	23	73	74	88	72	78
23	1.02	1.04	1.03	1.02	1.03	1.03	28	33	35	36	33	32	37	28	80	78	72	73	78
24	1.04	1.04	1.04	1.03	1.05	1.04	26	38	39	37	36	34	41	26	67	72	62	66	74
25	1.07	1.09	1.10	1.08	1.10	1.09	34	39	42	38	37	37	42	30	74	73	65	79	79
26	1.10	1.13	1.09	1.05	1.12	1.10	33	36	38	35	37	36	39	33	78	74	72	82	64
27	1.07	1.12	1.14	1.11	1.14	1.12	32	36	42	38	36	37	43	30	81	72	74	75	79
28	1.10	1.11	1.13	1.10	1.17	1.14	38	40	42	40	38	40	44	34	75	73	70	76	76
29	1.17	1.18	1.18	1.17	1.16	1.17	36	39	42	38	37	38	43	35	74	73	72	82	79
30	1.12	1.12	1.12	1.12	1.10	1.11	34	42	38	37	34	35	43	33	74	70	75	79	71
Mean	.96	.97	.97	.96	.98	.97	27.6	32.2	33.5	32.4	30.2	30.4	36.2	25.5	79	78	79	81	81

REMARKS.

June 1.	{ Snow, B. D. N.; E. D. N. Sleet, B. 11.35 A.M. At intervals. E. 12.40 P.M. " B. 4.20 P.M.; E. 5.00 P.M.	June 3.	{ Snow, B. 6.30 P.M.; E. 8.25 P.M. 4. Sleet, B. 1.15 P.M. At intervals. E. 5.30 P.M. Sleet, B. 1.12 P.M.; E. 2.55 P.M.
2.	Sleet, B. 2.20 P.M. At intervals. E. 3.10 P.M.	6.	{ Hail, B. 7.15 P.M.; E. 7.35 P.M. Snow, B. 9.05 P.M.; E. D. N.
3.	{ Sleet, B. 11.00 A.M.; E. 12.20 P.M. " B. 3.20 P.M.; E. 4.00 P.M.	7.	Sleet and Snow, B. 11.00 A.M.; E. 3.00 P.M.

JUNE, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NW 19	NW 10	SE 27	W 31	W 21	481	.07	.01	.05	.13	Cr	Cr	Fy	Cy	Cr	
2	N 12	0	0	NE 3	N 7	170	.	.	T	T	Cr	Cr	F	Cy	Cy	
3	NE 15	NE 14	NE 5	E 5	NE 10	288	.	.03	.19	.22	Cr	F	Fy	Cy	Cy	
4	N 4	N 1	W 1	SW 34	W 31	254	.	.	.18	.18	Cr	F	Cy	Sl	F	
5	NW 17	SW 16	SW 19	SW 38	SW 16	553	.	.	.	.	Cr	Cr	F	F	Cr
6	SW 14	SE 2	E 12	SW 44	SW 26	401	.	.	.13	.13	Cy	Cy	Cy	Cy	LS	
7	SW 21	W 20	W 18	N 23	N 32	453	.03	.04	.02	.09	Fy	Fy	LS	Fy	Cy	
8	NE 23	NE 14	W 13	W 19	SW 20	562	.	.	.	.	F	Cy	Fy	Fy	Fy
9	SW 12	SW 9	SW 15	W 37	SW 24	508	*.02	.	.05	.07	F	Cr	F	Cr	Cr	
10	SW 24	S 11	SW 30	SW 13	SE 36	620	.	.	T	T	Cr	Cr	F	Sl	F	
11	W 34	SW 32	SW 52	SW 32	SW 78	918	.	.	.	.	Cy	F	Cr	F	Cr
12	W 64	W 72	SW 28	SW 24	SW 24	1211	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	SW 41	SW 32	S 16	E 10	SW 38	731	.	.	.	.	Cr	Cr	F	Cr	Cr
14	S 30	S 24	E 5	SW 26	S 28	747	†T	.	.02	.02	Fy	F	Cy	Sl	Cy	
15	S 19	W 1	NE 3	W 16	W 19	384	.	.	.	.	Cr	Cr	F	Cr	Cr
16	SW 16	S 16	W 12	W 16	SW 8	446	.	T	T	T	Cr	F	Sl	Cr	Cy	
17	W 16	W 1	W 26	NE 12	E 21	358	.	T	.02	.02	Cr	Cr	Sl	Cy	Sl	
18	NE 16	NE 8	N 13	N 26	N 8	417	.03	T	.03	.06	LS	Cy	Sl	LS	LS	
19	0	E 2	E 4	E 4	E 2	103	.02	T	.	.02	Fy	Sl	Cy	Cy	Cy	
20	0	0	NE 4	NE 1	N 4	88	.	.	.	.	Cy	F	Cy	Cy	Cr
21	N 6	N 1	NE 10	NE 8	NW 6	147	.	T	.	T	Cr	Cr	Cy	F	Cr	
22	0	0	SW 15	NW 12	W 19	196	.	T	.	T	Cr	Cr	Cy	Cr	Cr	
23	W 25	W 17	W 30	SW 28	SW 24	521	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	N 17	0	SW 1	SW 17	W 20	525	.	.	.	.	Cr	Cr	Cr	Cr	Cr
25	W 1	SE 5	SE 7	SE 16	E 24	251	.	.	.	.	Cr	Cr	Cr	F	Cy
26	SW 28	SW 44	NW 29	W 28	W 12	700	.	.	T	T	F	Cr	F	F	Cy	
27	W 48	W 34	E 3	SW 6	E 10	596	.	.	T	T	Cr	Cr	Cr	Cy	Cy	
28	SW 23	SW 16	SW 3	W 9	NW 1	290	.	T	.	T	Cr	Cr	Cy	F	Cr	
29	NE 8	NE 7	SE 3	E 12	S 4	143	.	T	.	T	Cr	F	F	Cy	F	
30	W 4	W 9	NE 18	NE 18	SW 14	182	.	T	T	T	Cr	F	F	Cy	F	
Mean	19	14	14	19	20	13244	.17	.08	.69	.94						

REMARKS.

June 9. Sleet, B. 1.55 P.M.; E. 2.25 P.M.
 10. " B. 4.45 P.M.; E. 5.15 P.M.
 14. { Sleet, B. 1.15 P.M.; E. 1.30 P.M.
 " B. 4.45 P.M.; E. 5.50 P.M.
 Snow, B. 5.50 P.M.; E. 7.30 P.M.

June 16. Sleet, B. 12.55 P.M.; E. 2.00 P.M.
 17. { Sleet, B. 1.00 P.M.; E. 1.30 P.M.
 Snow, B. 1.50 P.M.; E. 3.00 P.M.
 Sleet, B. 9.05 P.M.; E. 8.00 A.M. of 18th.
 18. Sleet and Snow, B. 11.30 A.M.; E. D.N.

* Frost.

† Fog.

JUNE, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	Hidden	Hidden	0	0	s 2	D. Fog SE	s 10 w	0
2	0	0	0	Hidden	Hidden	0	0	K 5	s 10	s 10
3	0	0	Hidden	0	Hidden	0	s 5 SE	D. Fog	s 7	s 10
4	c 3	c 4	Hidden	Hidden	c 6	0	K 2	s 10	N 10	0
5	0	0	cs 2 w	0	0	0	s 3	K 3 SW	K 6 SW	0
6	cs 9	Hidden	Hidden	0	Hidden	0	s 10 SE	s 10 E	s 9 SW	N 10
7	Hidden	Hidden	Hidden	Hidden	0	D. Fog sw	D. Fog	N 10	D. Fog	s 8 N
8	cs 5 NE	cs 5 N	Hidden	Hidden	Hidden	0	K 3 NE	D. Fog	D. Fog w	D. Fog
9	c 7	cs 3	0	0	0	0	0	s 7 SW	K 3 w	0
10	0	c 2 SW	0	Hidden	0	0	0	K 7 SW	N 10 SW	KS 7 SW
11	Hidden	0	cs 3 SW	0	0	s 10 w	KS 4 SW	0	K 4 SW	0
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	K 4 SW	0	K 3 SW
14	Hidden	0	Hidden	Hidden	Hidden	D. Fog sw	KS 4 SW	K 10 SW	N 10	s 10
15	0	0	0	0	0	0	K 3 w	K 4 NW	K 3 w	0
16	0	0	Hidden	0	Hidden	KS 3 w	K 7 SW	N 10 SW	0	s 10
17	0	0	Hidden	0	Hidden	0	K 3 w	N 10	s 9	N 10
18	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	s 10 NE	N 10 N	N 10 N	N 10
19	Hidden	Hidden	Hidden	0	0	D. Fog	N 10	s 10	KS 8 SE	KS 9
20	0	0	0	0	0	KS 8	K 7 w	KS 9 NE	K 8 NE	K 3 NW
21	0	0	Hidden	0	0	0	K 3 E	KS 10 NW	KS 5 NE	0
22	0	0	Hidden	0	0	0	K 3 NW	s 10 w	0	0
23	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	Hidden	0	0	K 3 SE	KS 6 SE	s 10 SE
26	0	0	0	0	0	K 4 SW	0	K 6 w	KS 7 w	KS 8 w
27	0	c 3 w	0	0	0	0	0	K 3 SE	K 8 SW	K 9 SE
28	0	0	0	0	c 2 w	0	0	K 8 SW	s 7	0
29	0	0	0	0	0	0	K 4 NW	K 6 SE	s 8 NE	KS 4 SW
30	0	0	0	0	0	0	s 6 w	K 6 NE	KS 8 w	s 7

REMARKS.

June 19. Sleet, B. 8.30 A.M. ; E. 9.20 A.M.
 21. " B. 11.15 A.M. ; E. 12.30 P.M.
 22. " B. 12.15 P.M. ; E. 12.45 P.M.
 26. " B. 2.00 P.M. ; E. 2.25 P.M.
 27. " B. 3.30 P.M. ; E. 3.40 P.M.

June 27. Hail, B. 5.30 P.M. ; E. 5.45 P.M.
 28. " B. 12.35 P.M. ; E. 12.45 P.M.
 29. Sleet, B. 11.50 A.M. ; E. 12.05 P.M.
 30. { Hail, B. 11.30 A.M. ; E. 11.35 A.M.
 { Snow, B. 2.50 P.M. ; E. 3.00 P.M.

JULY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	1.04	1.04	1.02	1.03	1.02	1.03	34	36	31	36	36	34	40	32	75	79	88	92	79
2	1.04	1.10	1.05	1.05	1.06	1.05	36	40	40	40	38	38	42	31	65	58	67	67	54
3	1.02	1.04	1.03	1.04	1.03	1.03	33	36	41	45	40	38	46	32	68	64	50	34	47
4	.97	1.00	1.02	1.04	1.08	1.02	34	36	42	43	40	39	43	32	66	63	48	42	76
5	1.06	1.15	1.09	1.09	1.12	1.09	34	44	45	42	39	40	45	34	68	71	60	58	73
6	1.11	1.11	1.12	1.10	1.06	1.10	36	39	48	48	41	42	48	36	79	68	52	57	50
7	1.06	1.08	1.07	1.08	1.05	1.06	40	45	48	46	39	42	48	36	59	74	60	83	79
8	1.08	1.08	1.11	1.10	1.12	1.11	35	42	41	41	35	37	44	33	84	71	78	92	100
9	1.13	1.12	1.11	1.08	1.08	1.11	32	40	43	38	38	38	44	30	88	66	74	92	79
10	1.08	1.10	1.10	1.09	1.10	1.10	36	40	44	47	41	40	47	34	79	57	50	53	72
11	1.08	1.10	1.10	1.09	1.14	1.10	37	44	50	41	40	42	50	36	63	54	54	70	64
12	1.06	1.06	1.08	1.09	1.04	1.06	38	45	48	44	38	41	48	36	72	74	62	76	76
13	1.01	1.00	1.02	1.01	1.01	1.02	35	40	47	46	40	40	48	33	79	86	71	74	100
14	.97	1.00	1.06	1.05	1.04	1.02	36	41	48	46	40	42	50	36	68	43	55	53	86
15	1.06	1.06	1.05	1.06	.99	1.03	40	42	49	47	42	43	50	36	66	65	63	68	89
16	.88	.98	.97	.98	1.00	.95	32	40	45	48	37	38	48	31	88	64	53	44	58
17	1.01	1.02	1.05	1.05	1.04	1.03	32	41	44	45	36	38	45	31	78	70	64	63	89
18	1.08	1.06	1.06	1.05	1.06	1.07	35	44	49	48	39	41	50	34	56	56	46	50	44
19	1.08	1.10	1.12	1.10	1.10	1.10	36	45	48	48	38	40	50	32	52	45	46	56	72
20	1.10	1.10	1.09	1.10	1.10	1.10	36	45	48	50	42	42	52	34	74	45	46	56	68
21	1.09	1.08	1.07	1.04	1.03	1.07	39	44	51	46	40	44	54	38	52	44	43	58	50
22	.91	.96	1.04	1.07	1.04	1.00	36	40	50	50	42	42	50	34	79	51	44	37	41
23	1.03	1.04	1.09	1.06	1.06	1.06	37	44	52	42	41	43	52	36	61	36	34	64	59
24	1.02	1.07	1.07	1.07	1.07	1.05	34	39	44	44	38	39	46	32	72	57	58	65	79
25	1.06	1.08	1.09	1.09	1.09	1.08	32	38	45	43	41	40	46	32	78	60	56	49	64
26	1.09	1.09	1.11	1.10	1.10	1.10	35	46	50	51	44	43	54	33	75	58	80	89	47
27	1.06	1.09	1.14	1.14	1.15	1.12	38	40	48	50	42	43	53	38	58	57	32	38	55
28	1.14	1.16	1.14	1.14	1.10	1.13	39	44	45	43	39	41	47	39	48	63	58	51	48
29	1.06	1.02	1.05	1.03	1.02	1.04	35	34	39	42	32	35	42	32	66	69	48	57	71
30	1.00	1.07	1.04	1.03	1.06	1.04	28	34	34	34	29	30	40	28	84	63	69	63	67
31	1.06	1.03	1.02	1.03	1.06	1.05	32	35	42	43	39	38	44	29	74	66	44	39	51
Mean	1.05	1.06	1.07	1.07	1.06	1.06	35.2	40.7	45.2	44.4	38.9	39.8	47.3	33.5	70	61	57	61	67

REMARKS.

<p>July 1. Hail, B. 11 50 A.M.; E. 11.59 A.M. 2. Sleet, B. 1.10 P.M.; E. 1.20 P.M. 5. Rain, B. 4.30 P.M.; E. 4.40 P.M. 8. Sleet, B. 2.15 P.M.; E. 2.35 P.M.</p>	<p>July 8. { Rain, B. 4.20 P.M.; E. 4.40 P.M. " B. 5.25 P.M.; E. D. N. 9. { Rain, B. 4.00 P.M.; E. 4.20 P.M. Sleet, B. 5.15 P.M.; E. 5.40 P.M.</p>
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JULY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	W 34	NW 16	W 40	W 14	N 16	532	.	T	.	T	F	Cr	Fy	Cy	Cr	
2	NE 8	W 8	SW 14	SW 19	NW 11	355	.	.	T	T	Cy	Cr	Cy	F	Cr	
3	W 45	W 24	SW 18	W 12	W 32	645	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	W 43	W 38	W 33	W 24	NW 12	789	.	.	.	.	Cr	Cy	F	Cy	F
5	SW 23	W 23	SW 18	SW 28	SW 15	460	.	.	T	T	Cy	Cr	F	F	Cr	
6	SW 22	W 46	S 13	S 18	SW 36	593	.	.	.	.	F	Cr	Cr	Cr	Cr
7	SW 36	S 11	SW 22	W 10	SW 32	556	.	.	.	.	Cy	Cr	F	Cy	F
8	SW 40	N 2	NE 5	E 5	NE 9	400	.	.	.04	.04	Cr	Cy	Cy	Cy	LR	
9	NW 8	W 1	W 9	NW 9	NE 2	204	.03	.	.01	.04	Cr	F	Cr	Fy	Cr	
10	W 11	NE 6	NW 6	NW 2	S 11	181	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	NW 21	NW 4	SW 4	W 14	SW 14	334	.	.	T	T	Cy	Cr	F	Cy	Cr	
12	W 27	SW 4	E 5	SW 15	W 22	328	.	.	.10	.10	Cr	Cr	Cy	Cy	Cr	
13	SW 9	W 29	SW 11	SW 12	SW 25	477	.	.	*T	T	Cr	Cy	Cy	Cr	Fy	
14	W 64	W 52	SW 11	W 12	S 12	661	.	.	.	.	F	Cy	Cy	F	Cr
15	S 6	S 4	SW 10	SW 13	S 4	220	.	.	.	.	Cy	F	F	Cr	Fy
16	W 43	SW 13	W 11	W 6	N 10	397	.21	.	.	.21	Cr	Cr	Cr	Cr	Cr	
17	W 1	S 2	S 9	S 14	S 25	189	.	.	.	.	Cr	Cr	F	Cr	Fy
18	SW 26	S 12	S 20	SW 17	N 19	515	.	.	.	.	Cr	F	F	Cr	Cr
19	W 8	SW 10	SW 12	SW 16	SW 20	297	.	.	.	.	Cr	Cr	Cr	Cy	Cr
20	SW 5	W 5	W 4	SE 4	SE 5	231	.	.	.	.	Cr	Cr	Cr	F	F
21	W 15	W 12	SW 10	SW 20	W 27	330	.	.	.01	.01	F	Cr	F	Cy	Cr	
22	W 58	W 51	W 6	W 12	NW 8	699	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	NW 14	W 16	S 8	SE 6	S 10	298	.	.	T	T	Cy	Cr	Cy	LS	F	
24	NW 16	NE 5	E 4	SE 10	W 9	268	.	.	T	T	Cr	Cr	Cy	F	Cy	
25	W 19	NE 11	NE 3	NE 3	W 10	264	†T	.	T	T	Cr	Cr	F	F	Cr	
26	SW 9	SW 12	W 10	W 13	W 25	297	.	.	.	.	Cr	Cr	F	Cr	Cr
27	NW 26	NW 28	NW 4	N 5	NW 12	399	.	.	.	.	Cr	Cr	Cr	Cr	Cr
28	NW 21	N 7	W 9	N 7	W 24	379	.	.	T	T	F	F	F	Cy	Cr	
29	W 31	NW 40	N 16	NW 20	W 25	642	.	T	.01	.01	F	Cy	Cr	F	F	
30	W 32	W 12	NW 26	NW 18	NW 23	465	.	T	T	T	Cr	Cr	Cr	F	Cr	
31	W 22	NW 24	NW 14	N 13	NW 8	429	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	24	17	12	13	17	12834	.24	.00	.17	.41						

REMARKS.

July 9. Sleet, B. 6 15 P.M.; E. 7.20 P.M.
 11. Snow, B. 2 10 P.M.; E. 2 20 P.M.
 12. { Rain, B. 2.20 P.M.; E. 2.40 P.M.
 { " B. 6.30 P.M.; E. 8.30 P.M.

July 15. Hail, B. 9.20 P.M.; E. 9.50 P.M.
 21. " B. 3.30 P.M.; E. 3.55 P.M.
 23. Snow, B. 4.55 P.M.; E. 5.15 P.M.
 24. " B. 7.30 P.M.; E. 8.30 P.M.

* Fog.

† Frost.

JULY, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	Hidden	0	0	s 7 w	s 2	D. Fog w	s 8	0
2	0	0	0	0	0	s 8	k 3	s 8 sw	s 6 sw	0
3	0	0	0	0	0	0	0	0	0	0
4	0	cs 8 w	c 6 w	0	0	0	0	0	s 8 w	s 6 w
5	0	c 3	0	0	0	s 8 w	0	k 4 sw	s 6 sw	0
6	c 1	0	0	0	0	s 4 sw	s 2 sw	k 2 s	k 1 s	0
7	ck 8	c 3	0	0	0	0	0	k 5 sw	ks 8 s	k 4 sw
8	ck 3 w	0	Hidden	Hidden	Hidden	0	s 9	s 10	s 10	n 10
9	c 3 w	c 4	0	Hidden	0	0	0	k 3 w	D. Fog n w	k 3 ne
10	0	0	0	0	0	0	k 2	k 1 nw	k 2 nw	0
11	0	0	0	Hidden	0	s 8 nw	k 2	s 6 sw	s 10 w	0
12	0	c 3	0	0	0	s 1 w	0	s 8 e	s 9 sw	0
13	0	Hidden	0	0	Hidden	0	s 10 w	s 8 sw	k 2 sw	D. Fog sw
14	c 5 w	cs 8 w	0	0	0	0	0	s 8 sw	s 5	0
15	0	0	0	0	Hidden	s 8	s 5	s 5 sw	s 2 w	D. Fog
16	0	0	0	0	0	0	0	k 2 sw	k 2 w	0
17	0	0	0	0	Hidden	0	s 3 w	s 5 s	s 2 s	D. Fog
18	0	c 7 w	0	0	0	0	0	s 5 s	s 2	0
19	0	c 2	0	cs 8 w	0	0	0	0	0	0
20	0	0	0	0	0	0	0	k 2 w	s 7 sw	s 5
21	cs 7	0	0	Hidden	0	0	0	s 6 sw	s 10 sw	0
22	0	0	0	0	0	0	0	0	k 2 w	0
23	0	0	0	Hidden	0	s 8	0	s 8 s	n 10	k 6
24	0	0	0	0	Hidden	0	k 2	s 8 e	s 5 sw	s 10
25	0	0	0	0	0	0	0	s 4 ne	s 6	s 1
26	0	c 2	0	ck 3 w	0	0	0	k 4 w	0	0
27	0	0	0	0	0	0	0	0	0	0
28	0	cs 4 nw	0	0	0	ks 6 nw	0	ks 7 w	ks 9 nw	k 3 w
29	0	0	0	0	0	ks 4 w	ks 8 w	ks 3 w	k 4 w	ks 4 w
30	0	0	0	0	0	k 3 w	ks 3 w	k 3 w	k 4 nw	k 3 w
31	0	0	0	0	0	k 2 w	0	0	k 2 nw	0

REMARKS.

July 25. Sleet, B. 5.55 P.M.; E. 6.10 P.M.
 28. Snow, B. 2.10 P.M.; E. 2.15 P.M.
 29. { Snow, B. 8.35 A.M.; E. 8.40 A.M.
 { Hail, B. 6.15 P.M.; E. 7.00 P.M.

July 29. Snow, B. 7.00 P.M.; E. 8.30 P.M.
 30. { Snow, B. 12.30 P.M.; E. 12.40 P.M.
 { " B. 8.20 P.M.; E. 8.30 P.M.

AUGUST, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean. of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	1.00	.99	.99	1.00	1.02	1.00	35	38	46	45	38	40	48	35	66	56	50	53	56
2	1.02	1.05	1.07	1.08	1.11	1.07	34	44	45	41	36	38	46	34	72	48	53	67	66
3	1.12	1.14	1.16	1.17	1.20	1.16	33	40	45	43	38	39	46	33	65	57	53	63	72
4	1.19	1.19	1.21	1.18	1.19	1.20	35	41	46	44	41	41	46	34	66	51	54	34	51
5	1.15	1.16	1.15	1.14	1.14	1.15	37	41	44	37	35	39	45	35	61	51	48	69	66
6	1.12	1.13	1.12	1.09	1.10	1.11	33	38	41	34	34	36	43	32	65	66	73	74	74
7	1.07	1.07	1.10	1.10	1.11	1.10	35	38	48	38	34	39	48	33	66	61	54	61	72
8	1.05	1.04	1.03	1.02	1.04	1.04	30	34	34	34	32	32	39	30	74	74	72	72	85
9	1.01	1.01	1.03	1.00	1.03	1.02	31	32	34	30	30	32	34	30	92	88	85	84	92
10	.98	1.00	1.00	1.00	.99	1.09	31	33	38	34	32	34	39	29	92	81	76	92	92
11	.98	.98	.99	.98	1.01	.99	31	34	36	34	32	33	36	31	88	78	79	89	92
12	1.02	1.07	1.07	1.07	1.09	1.06	31	37	37	35	35	34	37	31	88	79	79	79	79
13	1.09	1.11	1.09	1.08	1.09	1.09	33	39	38	36	35	36	39	33	81	73	68	85	85
14	1.13	1.05	1.06	1.01	1.05	1.08	31	34	43	35	33	36	43	31	85	88	80	85	78
15	.98	1.00	1.01	1.01	1.02	1.00	30	35	35	37	34	33	38	30	88	85	85	79	69
16	1.00	1.05	1.04	1.04	1.04	1.03	32	38	40	38	35	36	42	32	81	66	73	79	85
17	.96	.97	.98	.96	.97	.97	30	34	41	38	34	35	42	30	88	85	79	79	85
18	.94	.97	.96	.95	.92	.94	30	36	45	44	37	37	45	30	84	82	71	68	79
19	.76	.76	.82	.82	.86	.82	30	32	37	37	29	32	39	29	96	85	69	61	61
20	.86	.91	.92	.96	.96	.91	23	32	38	37	32	31	38	23	73	85	79	72	88
21	.98	1.01	1.04	.96	1.10	1.04	27	34	39	39	34	33	40	27	82	78	79	79	78
22	1.11	1.12	1.13	1.12	1.11	1.12	30	34	38	36	34	34	40	30	78	82	82	79	69
23	1.03	1.00	.96	.95	.92	.97	30	32	37	35	34	33	38	29	96	100	92	100	96
24	.92	.94	.96	.98	1.03	.97	28	30	35	35	32	32	36	28	92	92	85	85	81
25	1.05	1.09	1.11	1.09	1.11	1.09	30	37	40	40	34	35	43	30	84	64	70	70	92
26	1.08	1.08	1.04	1.02	1.06	1.06	28	36	45	43	34	36	46	28	80	79	71	80	72
27	1.04	1.08	1.08	1.10	1.13	1.08	30	38	42	43	39	37	44	30	84	82	82	80	79
28	1.00	1.13	1.12	1.12	1.14	1.09	33	39	43	47	38	38	47	33	77	54	54	47	60
29	1.12	1.15	1.13	1.14	1.16	1.14	33	38	42	41	35	37	47	31	64	58	57	77	88
30	1.14	1.16	1.15	1.13	1.12	1.14	33	37	43	41	37	38	45	32	74	66	61	67	87
31	1.08	1.08	1.07	1.05	1.04	1.06	34	37	44	46	41	40	47	34	73	41	36	34	51
Mean	1.03	1.05	1.05	1.04	1.06	1.05	31.3	36.1	40.7	38.6	34.8	35.6	42.1	30.9	79	72	69	72	77

REMARKS.

Aug. 2. Snow, B. 4.20 P.M.; E. 4.30 P.M.
 { Snow, B. 7.00 A.M.; E. 7.05 A.M.
 5. { Hail, B. 1.20 P.M.; E. 2.00 P.M.
 { Snow, B. 5.30 P.M.; E. 6.40 P.M.

Aug. 6. Snow, { B. 12.30 P.M.; E. 12.35 P.M.
 { B. 2.00 P.M.; E. 6.00 P.M.
 7. " B. 6.15 P.M.; E. D. N.
 8. " B. 12.10 P.M.; E. 7.00 A.M. of 9th.

AUGUST, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	W 23	W 20	W 26	NW 10	NW 20	478	.	.	.	.	Cr	Cr	Cr	F	Cr
2	W 22	SW 12	SW 8	SW 10	SW 14	365	.	.	T	T	Cr	Cr	F	F	Cr
3	SW 20	W 20	W 12	W 12	NW 1	327	.	.	.	.	Cr	Cr	F	Cr	Cr
4	W 23	NW 8	NE 6	NE 8	N 8	223	.	.	.	.	Cr	Cr	Cr	F	Cr
5	NE 16	E 10	NE 7	E 6	NE 6	279	.	T	.01	.01	F	Cr	F	F	Cr
6	W 14	NW 9	SW 8	W 18	W 6	201	.	T	.03	.03	Cr	Cr	F	LS	Cr
7	NE 16	NE 16	N 3	E 12	E 8	296	.	.	.02	.02	Cr	Cr	F	Fy	LS
8	SW 21	SW 26	W 12	SW 7	E 8	326	.02	.01	.03	.06	F	Fy	LS	LS	LS
9	E 1	E 12	E 16	NE 14	NE 1	185	.02	.02	.02	.06	LS	Sl	Sl	Cy	Cy
10	W 22	W 19	SW 4	W 6	NW 12	279	.	.	.01	.01	Cy	F	Cy	LS	Cr
11	N 4	NW 3	W 2	NW 5	N 8	195	.	T	.01	.01	Cr	Cr	F	Cy	Cr
12	NW 8	NE 6	E 10	E 7	E 4	210	.	T	T	T	Cr	Cr	Cy	LS	F
13	s 16	SE 2	E 14	E 10	SE 17	230	.	T	T	T	F	F	Cy	Cy	Cy
14	W 10	W 18	W 4	W 22	NW 9	338	.01	.	T	.01	Fy	F	Cr	LS	Cr
15	NW 9	NE 6	NE 6	N 2	N 13	258	.	T	.	T	Cr	Cr	Cy	F	Cr
16	NW 22	NE 4	0	SE 16	SE 14	303	.	.	T	T	Cr	Cr	F	F	Cr
17	W 34	W 28	SW 29	W 34	W 16	634	.	.	.	.	F	F	Cr	Cr	Cr
18	W 17	W 2	s 4	s 19	E 10	224	.	.	.	.	Cr	Cr	F	Cr	Cr
19	W 40	SW 20	SW 13	SW 20	W 24	459	T	.	.	T	Fy	F	Cr	Cr	Cr
20	W 36	SW 17	SW 16	SW 11	s 14	500	.	.	T	T	Cr	Cr	F	Cr	LS
21	SW 8	SW 10	SW 8	SW 8	SW 8	277	T	.	.	T	Cr	Cr	Cr	F	Cy
22	W 5	0	E 6	s 4	SE 10	123	.	.	.	.	Cr	Cy	Fy	Cy	Cy
23	s 22	SW 5	SW 18	SW 18	W 40	406	.01	.02	.01	.04	LS	LS	LS	LS	Cy
24	NW 20	NW 8	W 8	NE 8	NE 12	422	*T	.	.	T	Cr	Cr	Cy	Cy	Cr
25	NE 6	SE 3	SE 6	SE 8	SE 19	163	.	.	.	.	Cr	Cr	Cr	Cr	Cy
26	E 14	E 14	s 4	SW 12	SW 16	318	.	.	.	.	Cr	Cr	Cr	Cr	Cr
27	W 16	E 4	0	0	0	182	.	.	.	.	Cr	Cr	F	Cr	Cr
28	W 22	W 8	NW 7	W 8	NE 6	213	.	.	T	T	Cr	Cr	Cr	Cr	Cr
29	NW 13	NW 1	NW 12	W 8	N 8	206	.	.	.	.	Cr	Cr	Cr	Cy	Cr
30	NW 13	W 4	NE 1	NE 10	W 15	183	*T	.	.	T	Cr	F	Cr	Cr	Cr
31	W 23	W 27	W 5	N 7	0	310	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	17	11	9	11	11	9113	.06	.05	.14	.25					

REMARKS.

Aug. 9. Sleet, B. 7.00 A.M.; E. 4.00 P.M.
 10. { Hail, B. 3.00 P.M.; E. 3.05 P.M.
 { Snow, B. 5.00 P.M.; E. 7.10 P.M.
 11. Sleet, B. 12.35 P.M.; E. 12.45 P.M.

Aug. 11. Hail, B. 5.00 P.M.; E. 5.05 P.M.
 12. { Sleet, B. 12.55 P.M.; E. 1.00 P.M.
 { Snow, B. 4.30 P.M.; E. 5.15 P.M.
 13. Snow, B. 11.15 A.M.; E. 12.30 P.M.

* Frost.

AUGUST, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	0	0	KS 3 W	KS 4 W	0
2	0	0	0	0	0	0	0	KS 6 SW	KS 4 W	0
3	0	0	0	0	0	0	0	KS 7 W	K 3 W	0
4	0	0	0	0	0	0	0	0	s 7 NW	0
5	0	0	0	0	0	s 6 NE	K 3 E	s 6 NE	KS 6 E	KS 3 NW
6	0	0	0	Hidden	0	0	0	s 6 SW	N 10 NW	0
7	0	0	0	Hidden	Hidden	0	0	K 7 NW	D.Fog NE	N 10
8	0	Hidden	Hidden	Hidden	Hidden	K 4 SW	D. Fog	N 10	N 10	N 10
9	Hidden	Hidden	Hidden	0	Hidden	N 10	N 10	N 10	K 8 NW	s 10
10	0	0	0	Hidden	0	K 8 W	K 4 W	K 9 W	N 10	K 3 W
11	0	0	0	0	0	KS 3	0	K 7	K 9 W	0
12	0	0	0	Hidden	0	0	0	K 8 W	N 10	KS 4 NE
13	0	0	0	0	Hidden	KS 7 SW	KS 7 SE	K 8 NE	KS 9 NE	s 10
14	Hidden	0	0	Hidden	0	D. Fog	KS 7 W	K 3 W	N 10 W	0
15	0	0	0	0	0	0	K 3 NW	K 8 NE	K 7 NW	KS 2 NW
16	0	0	0	0	0	0	0	K 4 W	KS 7 SE	0
17	0	0	0	0	0	s 7 W	K 4 W	K 3 SW	K 3 W	0
18	0	0	0	0	0	0	0	K 7 SW	0	0
19	Hidden	0	0	0	0	D. Fog w	KS 7 W	0	0	0
20	0	0	0	0	Hidden	0	0	K 4 W	0	N 10
21	0	0	0	0	Hidden	0	0	KS 3 SW	K 4 W	s 10
22	0	0	Hidden	0	Hidden	0	s 8 E	D. Fog E	K 9 SW	s 10
23	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 SE	N 10 SE	N 10 SE	N 10 SW	s 10 SW
24	0	0	Hidden	0	0	0	0	s 10 W	K 8 NE	0
25	0	0	0	0	Hidden	0	0	K 3 SE	0	s 10
26	0	0	0	0	0	0	KS 3 SE	0	0	K 3 SW
27	0	0	0	0	0	KS 3 W	0	K 6 NW	0	K 3 SW
28	0	0	0	0	0	0	L. Haze	K 1 NW	KS 3 W	s 1
29	0	0	0	0	0	s 1	0	K 1 NW	s 9 SW	0
30	0	0	0	0	0	0	KS 4 W	KS 3 SW	KS 2 W	0
31	0	0	0	0	0	0	L. Haze	0	0	0

REMARKS.

Aug. 13. Snow, B. 5.00 P.M.; E. 6.00 P.M.
 14. " { B. D. N.; E. D. N.
 { B. 3.50 P.M.; E. 5.15 P.M.
 15. Hall, B. 12.30 P.M.; E. 12.50 P.M.
 16. Sleet, B. 6.00 P.M.; E. 6.25 P.M.

Aug. 19. Snow, B. D. N.; E. D. N.
 20. " B. 9.00 P.M.; E. 9.30 P.M.
 23. " B. D. N.; E. 7.25 P.M.
 28. Sleet, B. 5.50 P.M.; E. 6.05 P.M.

SEPTEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.99	1.00	.99	.96	.94	.98	35	38	46	41	35	39	46	34	68	58	52	61	74
2	.84	.85	.88	.87	.89	.87	33	34	39	39	35	36	42	33	83	85	80	69	77
3	.85	.95	.98	.98	1.01	.95	33	38	42	42	36	37	44	32	86	64	67	46	70
4	.98	.98	.97	.90	.88	.94	33	40	44	41	36	38	45	33	84	67	64	84	89
5	.78	.77	.83	.87	.86	.82	30	32	40	41	34	35	44	30	76	79	74	67	86
6	.92	.92	.92	.91	.90	.91	30	37	42	41	33	35	44	30	78	71	70	73	84
7	.83	.79	.76	.68	.71	.77	28	33	40	38	30	33	41	28	82	78	63	58	76
8	.66	.70	.74	.78	.76	.72	20	25	34	34	25	26	36	20	90	86	63	50	70
9	.73	.75	.80	.84	.87	.80	22	30	38	37	22	27	39	21	62	65	38	48	75
10	.92	.96	.98	.97	.99	.96	22	30	36	33	27	28	36	21	47	59	63	59	68
11	1.02	1.05	1.05	1.04	1.04	1.04	27	30	41	40	33	34	42	24	60	52	45	47	71
12	1.02	1.05	1.04	1.02	1.04	1.03	30	34	41	38	34	35	43	29	80	80	58	59	69
13	.96	1.00	1.00	.98	.97	.98	31	34	42	40	35	36	43	31	87	83	56	72	87
14	.85	.90	.94	.91	.85	.88	32	35	42	39	33	36	42	31	93	92	69	68	90
15	.79	.88	.97	.98	.98	.92	22	30	36	37	30	29	39	20	98	45	58	68	76
16	.93	.96	.96	.97	.98	.96	25	31	34	35	28	29	37	24	62	40	73	61	59
17	.96	.98	.99	1.01	1.00	.98	27	30	35	38	33	32	39	25	53	38	51	66	50
18	.96	1.01	1.01	1.00	1.01	.99	30	34	41	41	32	34	44	30	59	44	48	77	46
19	1.05	1.09	1.09	1.09	1.10	1.08	28	35	40	37	30	32	41	27	67	72	61	63	93
20	1.09	1.11	1.13	1.13	1.12	1.11	30	34	43	43	36	36	46	28	72	36	35	47	54
21	1.12	1.14	1.11	1.09	1.08	1.10	33	38	44	41	37	38	47	33	65	43	39	50	59
22	1.02	1.02	.96	.93	.89	.96	34	38	36	32	30	33	40	30	71	63	68	92	94
23	.76	.75	.81	.82	.83	.80	25	24	32	27	18	25	32	18	85	86	81	83	89
24	.84	.91	.91	.91	.91	.89	22	26	32	34	30	28	35	18	87	68	84	74	78
25	.84	.91	.88	.83	.79	.84	25	28	36	32	28	30	38	25	85	81	74	85	77
26	.78	.80	.75	.74	.75	.76	24	28	34	27	23	27	34	23	69	77	84	100	98
27	.75	.77	.79	.78	.82	.79	18	21	28	25	25	24	28	18	91	76	80	90	90
28	.84	.86	.88	.86	.84	.85	27	29	35	33	29	30	36	25	84	67	79	79	82
29	.74	.76	.76	.75	.82	.77	25	30	36	34	29	30	37	25	73	79	75	77	82
30	.80	.81	.80	.79	.77	.79	24	28	33	31	28	28	35	24	69	72	78	85	77
Mean	.89	.91	.92	.91	.91	.91	27.4	31.8	38.0	36.3	30.6	32.0	39.8	26.2	76	67	64	69	76
REMARKS.																			
Sept. 1. Snow, B. 2.35 P.M.; E. 4.20 P.M. 3. Sleet, B. 7.00 P.M.; E. 7.10 P.M.										Sept. 4. Sleet, B. 5.25 P.M.; E. 5.35 P.M. 22. Snow, B. 10.40 A.M.; E. 1.25 P.M.									

SEPTEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NW 14	W 7	SW 4	SW 18	SW 22	266	.	.	T	T	F	F	F	Cy	Cr	
2	W 56	W 52	W 30	NW 16	NW 21	820	.	.	.	.	F	Cy	Cy	Cy	Cr
3	W 58	W 18	W 10	N 6	S 12	566	*T	.	T	T	Cr	Cr	F	Cr	F	
4	SW 14	S 4	S 12	S 10	SW 14	355	.	.	T	T	Cr	Cr	F	Cy	F	
5	W 40	W 48	SW 32	SW 16	W 52	800	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	W 10	SE 7	S 8	S 8	SW 32	430	.	.	.	.	Cr	Cr	Cr	Cy	F
7	SW 36	SW 44	SW 30	SW 32	W 40	837	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	W 44	S 20	S 20	W 17	SW 21	655	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	SW 32	SW 31	SW 21	SW 15	NW 14	571	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	SW 12	SW 15	SW 17	SW 27	SW 32	521	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	W 32	W 22	S 13	SW 18	SW 15	540	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	W 40	SW 23	SW 17	SW 12	SE 8	544	.	.	.	.	Cr	Cy	Cy	Cy	Cr
13	W 32	W 20	SW 6	SW 10	SW 15	478	.	.	.	.	Cy	Cy	Cy	Cy	Cr
14	SW 36	SW 28	SW 5	SW 12	SW 24	499	†.01	†T	.	.01	Fy	Cy	Cr	F	Cy	
15	W 23	W 30	SW 13	SW 15	SW 16	503	†T	†T	.	T	Fy	Cr	Cr	Cr	Cr	
16	SW 23	W 16	W 15	NW 2	SW 12	335	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	W 32	W 15	W 11	NW 10	W 28	483	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	W 40	W 9	SW 6	SW 13	W 22	503	.	.	.	.	Cr	Cr	Cr	Cr	Cr
19	N 15	SW 7	S 14	SW 19	SW 33	402	.	.	.	.	Cr	Cr	F	Cr	Cy
20	W 36	W 42	W 21	SW 12	NW 8	633	*T	.	.	T	Cr	Cr	Cr	Cr	Cr	
21	W 24	NE 5	E 5	SE 4	S 5	287	.	.	.	.	F	Cr	Cy	F	Cr
22	W 14	0	W 8	W 14	NW 16	254	.	T	.05	.05	F	Cy	LS	Fy	LS	
23	NW 32	W 52	W 19	NW 8	W 12	612	.04	.05	.	.09	Cr	Cr	F	F	Cr	
24	N 27	N 12	W 16	SW 19	SW 30	561	.	.	.	.	Cr	Cr	Cr	Cr	Cr
25	W 42	W 26	S 10	W 24	W 48	787	.	.	.	.	Cr	Cr	Cr	Cy	Cr
26	SW 32	S 14	SW 16	S 8	S 16	657	.	.	.25	.25	Cr	F	F	HS	LS	
27	N 8	N 9	N 24	NW 44	NW 40	483	.09	.	.	.09	Cy	Cr	Cr	Cr	Cr	
28	NW 40	W 40	SW 21	SW 16	SW 20	831	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	SW 28	S 28	S 19	W 16	W 22	544	.	.	.	.	Cr	Cr	Cr	Cr	Cr
30	SW 28	SW 44	SW 32	SW 28	SW 40	760	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	30	23	16	16	23	16517	.14	.05	.30	.49						

REMARKS.

Sept. 22. Snow, B. 3.20 P.M.; E. 4.45 P.M.

Sept. 22. Snow, B. 7.15 P.M.; E. D. N.

* Frost.

† Fog.

SEPTEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	CS 2 NW	CS 5 W	0	Hidden	0	KS 3 NW	0	KS 6 SW	S 10 SW	S 1
2	0	Hidden	CS 2	CS 9 NW	CS 2	S 7 W	S 10 W	S 7 W	0	0
3	CS 2	0	0	0	0	0	K 3 W	KS 4 W	KS 3 NW	S 7 SW
4	0	C 2 SW	0	0	C 2 W	0	0	K 6 SW	K 8 SW	K 4 SW
5	0	0	0	0	0	0	0	K 2 SW	KS 3 SW	0
6	0	0	0	0	0	0	0	K 2 SW	S 8 SW	S 7 SW
7	0	0	0	0	0	0	0	K 2 SW	K 2 SW	0
8	0	0	0	0	0	0	Lt. Haze	0	0	0
9	0	0	0	0	0	0	0	Lt. Haze	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	CS 2	CS 8 W	CS 7	CS 4	0	0	0	K 2 SW	KS 5 SW	S 2
13	0	CS 8 W	CS 10 W	CS 4	0	S 9 SW	0	0	S 4 SW	S 1
14	Hidden	Hidden	0	0	Hidden	D. Fog SW	S 10 SW	KS 3 SW	KS 6 SW	S 10 SW
15	Hidden	0	0	0	0	D. Fog W	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
17	0	0	CS 1	CS 1	0	0	Lt. Haze	0	0	0
18	CS 1	0	0	0	0	0	0	K 1 SW	KS 2 SW	0
19	0	0	0	0	Hidden	0	0	KS 4 W	0	S 10 SW
20	0	0	0	0	0	0	0	0	K 1 SW	0
21	CS 4 W	CS 3 W	0	0	0	0	0	KS 8 E	KS 5 W	S 2
22	CS 7 W	CS 9 SW	Hidden	Hidden	Hidden	0	0	N 10 W	D. Fog	N 10
23	0	0	0	0	0	S 1	K 3 W	KS 4 W	K 6 NW	KS 3 W
24	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	KS 8 W	K 3 W
26	0	0	0	Hidden	Hidden	0	K 4 SW	KS 6 SW	N 10 SE	N 10
27	Hidden	0	0	0	0	S 10	0	0	KS 3 W	0
28	0	0	0	0	0	0	0	0	0	0
29	0	0	CS 2 SW	0	0	KS 3 SW	KS 2 SW	0	0	0
30	0	0	0	0	CS 3 SW	0	0	0	0	0

REMARKS.

Sept. 23. Hail, B. 11.40 A.M.; E. 12.30 P.M.

Sept. 26. Snow, B. 3.00 P.M.; E. D. N.

METEOROLOGICAL OBSERVATIONS.

OCTOBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	1	.69	.69	.70	.66	.68	.69	26	28	32	31	29	29	34	26	90	80	86	88	77
2	.69	.67	.68	.68	.72	.70	28	28	34	30	26	29	34	26	96	96	77	75	88
3	.83	.87	.86	.88	.90	.87	24	29	34	32	30	29	35	23	80	80	76	86	85
4	.83	.81	.76	.73	.69	.76	26	28	33	28	22	27	34	20	83	80	78	80	84
5	.88	.92	.93	.91	.88	.90	20	30	36	32	28	28	36	18	78	79	81	81	80
6	.80	.84	.85	.87	.88	.84	23	30	36	35	29	29	36	23	73	74	68	67	69
7	.81	.83	.81	.82	.86	.83	25	29	32	22	16	24	33	16	76	84	84	85	94
8	.99	1.03	1.02	1.02	1.03	1.02	28	29	32	34	29	30	36	15	81	44	30	43	37
9	1.02	1.03	1.00	.97	.94	.98	29	32	37	36	29	32	40	26	39	34	44	38	40
10	.85	.83	.82	.86	.89	.85	27	29	32	31	27	29	34	26	53	96	91	93	90
11	.91	.95	.94	.95	.96	.94	23	28	33	32	27	28	34	22	82	77	75	88	84
12	1.00	1.03	1.03	1.02	1.03	1.02	24	29	35	31	25	28	36	23	82	74	76	73	90
13	.99	1.00	.98	.97	.98	.98	24	29	34	31	30	29	36	23	98	83	73	80	81
14	1.00	1.05	1.07	1.09	1.12	1.06	28	33	37	33	31	32	37	27	94	81	78	87	87
15	1.15	1.18	1.17	1.18	1.20	1.17	30	33	36	33	31	32	36	28	75	83	83	88	97
16	1.21	1.23	1.20	1.20	1.20	1.20	29	32	32	31	30	30	35	28	95	90	92	93	95
17	1.17	1.17	1.12	1.08	1.08	1.12	28	31	36	34	31	32	38	27	89	81	73	81	79
18	1.00	.99	.93	.89	.85	.93	28	32	37	33	28	31	38	28	87	80	65	83	80
19	.73	.75	.71	.70	.76	.73	25	28	29	24	23	26	32	22	92	92	83	90	97
20	.75	.79	.77	.79	.81	.78	20	21	23	19	18	20	24	18	98	96	95	95	100
21	.82	.88	.85	.87	.96	.88	14	17	22	21	17	18	24	13	89	93	83	79	89
22	.92	1.00	.99	.99	.99	.97	16	20	24	22	20	20	26	16	75	71	52	80	80
23	.99	.98	.94	.93	.97	.96	20	23	27	25	23	23	28	18	78	59	59	70	74
24	.96	.96	.91	.90	.87	.91	20	21	26	22	22	22	28	20	69	71	68	76	80
25	.74	.72	.67	.64	.66	.69	19	23	24	18	16	19	26	16	96	91	94	96	87
26	.63	.62	.58	.58	.65	.62	11	8	10	3	4	6	16	4	100	94	89	98	89
27	.68	.72	.71	.72	.76	.72	- 2	5	8	9	10	5	12	5	98	94	75	80	89
28	.73	.73	.67	.67	.72	.71	16	14	17	13	10	14	18	9	76	71	82	86	76
29	.74	.75	.77	.80	.82	.78	6	11	15	15	13	11	16	6	82	74	78	78	74
30	.82	.84	.83	.88	.89	.85	18	20	20	19	18	19	21	13	76	61	71	78	77
31	.85	.82	.74	.71	.77	.79	21	23	28	26	21	23	29	16	72	73	72	85	80
Mean	.88	.89	.87	.87	.89	.88	21.7	24.9	28.7	26.0	22.7	24.4	30.3	18.8	82	79	75	81	82

REMARKS.

Oct. 7. Snow, B. 4.35 P.M.; E. 8.10 P.M.
10. " B. 8.25 A.M.; E. 10.20 A.M.

Oct. 15. Snow, B. 11.05 A.M.; E. 3.40 P.M.
16. " B. 10.30 A.M.; E. 1.25 P.M.

OCTOBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	sw 16	sw 13	sw 14	sw 36	sw 36	612	*.03	.	.	.03	Fy	F	Cy	F	Cy
2	w 16	w 14	sw 28	sw 32	w 36	606	*T	.	.	T	Fy	Cy	Cr	Cr	Cr
3	s 16	sw 10	s 23	s 18	se 20	455	*T	.	.	T	Cr	Cy	F	Cy	Cy
4	sw 14	s 10	w 16	s 37	w 52	578	*T	.	.	T	Cy	Cr	F	Cr	Cr
5	w 32	w 14	sw 7	sw 10	w 20	522	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	sw 48	sw 16	s 8	sw 4	s 4	563	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	sw 12	sw 12	s 8	sw 4	w 12	308	*T	.	.03	.03	Cr	Cy	F	LS	Cr
8	n 16	nw 9	nw 8	w 9	w 20	264	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	w 21	w 4	sw 3	sw 7	sw 20	325	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	w 26	sw 24	w 20	w 4	w 5	439	.	.02	.	.02	Cr	LS	Cy	Cy	Cr
11	sw 1	se 1	sw 1	s 4	sw 14	62	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	w 8	s 2	s 2	s 7	sw 11	233	*T	.	.	T	Cr	Cr	Cr	Cr	Cr
13	sw 20	sw 18	sw 14	sw 24	sw 22	438	†.01	†T	.	.01	Fy	Cy	F	F	F
14	sw 26	w 14	sw 1	sw 6	sw 8	305	†T	†T	.	T	Cr	F	Cy	F	Cr
15	0	0	s 1	se 1	0	50	.	.06	.05	.11	Cr	Cr	LS	Cy	Cy
16	0	0	0	w 1	0	15	*T	.23	T	.23	Cr	Fy	LS	Cy	F
17	sw 1	0	w 1	sw 1	w 2	35	*.01	.	.	.01	Cr	Cr	F	Cr	Cr
18	w 3	se 1	s 2	sw 6	sw 13	97	*T	.	.	T	Cr	Cr	Cr	Cr	Cr
19	w 24	sw 25	sw 25	sw 26	sw 1	458	†T	†.01	.07	.08	F	Cy	Cy	Cy	Cy
20	sw 5	sw 1	sw 1	w 3	0	56	†.01	.02	.06	.09	Fy	Cy	LS	LS	LS
21	nw 6	0	0	w 8	w 22	106	.02	.	.	.02	Cr	Cr	Cr	F	Cr
22	nw 32	ne 6	nw 6	n 4	w 12	327	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	nw 8	nw 4	sw 6	w 20	nw 2	248	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	ne 2	se 12	se 10	se 13	se 16	202	.	.	.	.	Cr	F	Cy	Cy	Cy
25	w 12	0	nw 4	ne 9	e 10	219	*T	T	.05	.05	Fy	F	LS	LS	Cr
26	nw 9	n 5	w 16	nw 30	n 14	339	*T	.30	.01	.31	Fy	HS	LS	Cy	Cr
27	n 7	ne 14	nw 24	nw 28	nw 18	406	.	.	.	.	Cr	Cr	Cr	Cr	Cr
28	nw 25	w 24	w 12	nw 24	n 14	481	.	.	.	.	Cr	F	F	Cr	Cr
29	nw 9	n 8	nw 8	w 24	w 24	326	.	.	.	.	Cr	Cr	Cr	Cr	Cr
30	w 18	nw 20	n 15	ne 4	w 24	486	.	.	.	.	Cr	F	F	Cr	Cr
31	nw 30	w 47	w 58	w 54	w 29	1053	.	.	.	.	Cr	Cr	Cr	Cr	Cr
Mean	15	11	11	15	16	10614	.08	.64	.27	.99					

REMARKS.

Oct. 19. Snow, B. 2.55 P.M.; E. 3.40 P.M.

Oct. 19. Snow, B. 7.45 P.M.; E. 8.50 P.M.

* Frost.

† Fog.

OCTOBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	Hidden	0	0	0	0	D. Fog	KS 4 SW	KS 8 SW	K 7 SW	KS 8 SW
2	Hidden	0	0	0	0	D. Fog w	K 8 W	K 3 SW	0	L. Fog w
3	0	0	0	0	0	0	K 8 W	K 7 SW	s 8 s	s 9 SW
4	0	0	0	0	0	s 8 SW	K 3 SW	KS 7 W	K 3 SW	K 1 W
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	K 3 SW
7	0	0	0	Hidden	0	KS 2 SW	s 8 SW	K 4 SW	N 10 W	K 3 W
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	Hidden	Hidden	0	0	KS 1	{ D. Fog sw N 10	s 10 W	s 8 W	s 2 W
11	0	cs 1	0	0	0	s 1	0	K 1	KS 1	0
12	0	0	0	0	0	0	0	K 2 s	0	s 3 SW
13	Hidden	cs 9 SW	cs 7 SW	cs 7 SW	0	D. Fog sw	0	0	0	KS 7 SW
14	cs 2	cs 5 W	0	cs 4 SW	0	L. Fog sw	0	s 9 SW	0	s 2
15	0	cs 1	Hidden	Hidden	Hidden	0	0	N 10 s	s 10 SW	s 10
16	0	Hidden	Hidden	Hidden	0	0	D. Fog	N 10	s 10 W	s 6
17	0	0	0	cs 2 W	0	0	0	KS 6 W	s 1	0
18	0	0	0	0	0	0	0	KS 3 s	0	0
19	0	cs 3	Hidden	0	Hidden	{ L. Fog w K 5 W	s 6 SW	s 10 SW	s 9 SW	s 10 SW
20	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog sw	s 10 SW	{ D. Fog sw N 10	N 10	N 10
21	0	0	0	0	0	s 2	KS 2 NE	K 3	K 4 W	0
22	0	c 2 NW	c 3	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0
25	Hidden	0	Hidden	Hidden	0	KS 2	KS 7	KS 8	s 8	KS 8 SE
						D. Fog w	KS 4 W	N 10	N 10 N	0
26	Hidden	Hidden	Hidden	0	0	D. Fog w	N 10	N 10 W	K 8 NW	0
27	0	0	0	0	0	0	0	0	K 3 NW	K 2 NW
28	0	0	0	0	CS 2 NW	s 2 W	s 7 W	s 4 W	0	0
29	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0
31	0	0	CS 3 W	0	c 2 W	0	s 4 NW	KS 7 NW	K 2 NW	0
							0	0	0	0

REMARKS.

Oct. 20. Snow, B. 11.30 A.M.; E. D. N.
25. " B. 10.15 A.M.; E. 7.20 P.M.

Oct. 26. Snow, B. 5.40 A.M.; E. 4.00 P.M.

NOVEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.76	.76	.77	.79	.80	.78	15	18	24	20	18	19	25	15	76	78	68	86	78
2	.74	.79	.78	.80	.80	.77	15	18	24	21	20	20	25	15	74	75	81	74	75
3	.78	.80	.84	.87	.89	.83	13	14	16	14	12	14	20	12	82	60	60	60	68
4	.89	.92	.88	.90	.90	.89	13	15	16	15	14	14	17	11	64	64	74	77	74
5	.92	.94	.94	.95	.98	.95	12	16	19	19	18	16	21	11	68	69	72	71	78
6	1.04	1.07	1.06	1.06	1.07	1.06	20	26	26	24	23	23	27	16	71	73	39	69	72
7	1.04	1.03	1.00	.98	.99	1.01	19	23	28	23	21	23	29	19	66	56	49	56	57
8	.98	.94	.90	.87	.88	.92	18	21	26	23	22	22	27	18	53	61	54	57	62
9	.82	.81	.78	.80	.79	.79	17	18	23	18	15	18	24	15	62	58	54	74	77
10	.73	.78	.79	.81	.81	.78	13	16	18	14	13	15	19	13	78	71	44	60	78
11	.83	.86	.86	.88	.90	.86	10	15	16	14	12	13	18	10	66	46	73	62	50
12	.90	.93	.92	.95	.96	.93	11	13	16	14	13	13	16	9	73	53	39	66	64
13	.92	.93	.90	.89	.88	.90	12	14	21	17	16	16	21	10	62	53	55	41	47
14	.80	.79	.76	.75	.74	.77	13	14	18	12	10	14	18	8	74	68	70	87	100
15	.75	.79	.78	.77	.79	.77	12	15	18	16	13	14	20	8	76	54	45	56	70
16	.72	.72	.68	.66	.65	.68	14	15	19	13	11	14	20	11	71	66	64	76	89
17	.60	.59	.53	.55	.56	.57	8	11	12	2	0	7	12	0	83	94	85	100	100
18	.56	.60	.62	.62	.63	.60	- 2	0	3	4	2	1	4	- 4	89	87	88	57	50
19	.69	.72	.69	.67	.66	.68	11	15	13	12	13	12	15	1	61	34	34	42	42
20	.65	.68	.67	.67	.64	.66	13	15	18	16	14	15	20	13	44	33	38	41	44
21	.54	.53	.46	.45	.44	.48	12	14	15	11	7	12	16	6	37	34	61	64	69
22	.42	.46	.43	.45	.46	.44	4	5	5	3	- 1	3	7	- 2	88	83	86	97	86
23	.44	.58	.48	.60	.64	.52	- 2	4	8	8	9	5	11	- 4	79	68	56	59	64
24	.66	.66	.65	.63	.65	.66	11	11	16	10	11	12	16	7	84	83	85	87	80
25	.71	.74	.74	.73	.77	.74	6	10	17	15	18	14	19	6	91	57	36	69	86
26	.79	.79	.70	.61	.64	.71	22	22	21	16	9	18	24	9	45	53	42	47	69
27	.62	.68	.67	.68	.70	.66	1	4	2	9	8	4	11	- 1	98	74	83	58	63
28	.70	.64	.64	.63	.64	.66	12	15	16	11	5	11	18	5	68	74	69	73	91
29	.61	.69	.76	.79	.80	.72	- 2	0	8	9	14	7	14	- 2	100	91	70	73	74
30	.81	.83	.85	.87	.88	.85	8	12	14	16	14	12	18	6	76	74	70	76	82
Mean	.75	.77	.75	.76	.76	.75	10.9	13.6	16.5	14.1	12.6	13.3	18.4	8.0	72	65	61	67	71

REMARKS.

Nov. 14. Snow, B. 2.05 P.M.; E. 7.30 P.M.
17. " B. 9.30 A.M.; E. 11.25 A.M.

Nov. 17. Snow, B. 12.00 m.; E. D. N.
18. " B. 1.15 P.M.; E. 1.20 P.M.

METEOROLOGICAL OBSERVATIONS.

303

NOVEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07										
1	SW 26	SW 18	SW 10	SW 12	W 20	520	.	.	.	.	F	Cr	Cr	F	Cr
2	W 51	W 26	SW 12	SW 12	W 6	675	.	.	.	.	Cr	Cr	F	F	F
3	NW 19	W 20	NW 24	N 7	NW 8	429	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	NE 24	NW 11	N 7	NW 8	N 12	437	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	NW 11	NE 6	NW 3	N 10	W 9	228	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	NW 4	NW 2	0	SW 7	W 18	164	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	W 18	SW 9	SW 9	SW 16	SW 16	349	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	W 19	W 4	S 4	SW 6	SW 4	232	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	S 10	SE 6	S 4	SE 1	SE 5	131	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	SE 4	E 6	E 4	E 8	NE 9	140	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	E 3	NE 8	W 3	NE 5	NE 5	127	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	N 11	NE 5	NE 3	NE 6	NE 3	157	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	W 14	W 11	SW 6	W 9	W 4	184	.	.	.	.	Cr	Cr	Cr	Cy	Cr
14	W 23	W 16	W 12	NW 5	NW 16	392	.	.	.02	.02	Cr	Cr	F	LS	Cr
15	NE 10	N 8	NW 3	NW 5	SW 14	283	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	SW 17	SW 14	SW 10	SW 11	SW 14	360	.	.	.	.	Cy	Cy	Cy	Cy	Cy
17	W 16	SW 6	SW 15	NW 20	NW 22	370	*.01	T	.04	.05	Cr	Fy	LS	LS	LS
18	NE 24	NE 12	NE 2	NE 28	NW 30	494	.01	.	T	.01	Cr	Cr	Cy	Cr	Cr
19	NE 23	NE 8	NW 40	NW 38	NW 58	646	.	.	.	.	Cr	Cr	F	Cy	Cr
20	NW 40	NW 35	NW 29	W 16	SW 19	699	.	.	.	.	F	Cy	Cy	F	Cy
21	W 30	S 5	0	SW 9	SW 10	317	.	T	.	T	Cy	Cy	Cy	Cy	Cy
22	W 14	0	N 5	W 24	NW 32	343	.	.01	.01	.02	Cy	Cy	LS	LS	Cr
23	NW 28	N 20	NW 38	NW 9	NW 16	658	.	.	.	.	Cr	Cr	F	F	Cr
24	N 21	NW 30	W 44	W 18	N 42	623	.	.	.	.	Cr	Cr	F	Cr	Cr
25	N 9	N 8	N 13	NW 12	NE 3	367	.	.	.	.	Cr	Cr	Cy	Cr	Cr
26	NE 2	N 8	NW 19	NW 18	NE 7	232	.	.	.	.	Cr	Cr	Cr	Cr	Cr
27	N 6	NE 2	NE 4	N 4	E 10	122	.02	T	.	.02	LS	Cr	Cr	Cr	Cr
28	N 8	NW 17	N 8	N 2	N 1	154	.	.	T	T	F	Cr	Cr	Cr	LS
29	NE 5	NE 8	NE 7	NE 6	NE 6	144	T	.	.	T	Cr	Cr	Cr	Cr	Cr
30	NE 6	NE 4	NE 4	NE 3	NE 4	155	.	.	.	.	Cr	Cr	Cr	F	Cr
Mean	16	11	11	11	14	10182	.04	.01	.07	.12					

REMARKS.

Nov. 21. Snow, B. 9.12 A.M. ; E. 9.13 A.M.

Nov. 22. Snow, B. 10.12 A.M. ; E. 5.30 P.M.

* Frost.

1889AnHar...22...1P

NOVEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	C 2 SW	CS 4 SW	0	K 7 SW	0	0	0	0
2	0	0	0	CS 6	0	0	0	KS 4 SW	0	KS 7 W
3	0	0	0	0	0	0	0	K 2 NW	0	0
4	0	CS 3 NW	0	0	C 2 NW	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	C 2 SW	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	CS 3 SW	0	0	0	0	0	0
10	0	0	0	C 2	0	KS 3 S	KS 3 SE	KS 3 SE	0	K 2 NE
11	0	0	0	C 1	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	{K 2 W S 7 W	0
14	0	0	C 1 W	Hidden	0	0	0	K 4 W	N 10	0
15	0	0	0	0	0	0	0	0	0	0
16	CS 8	CS 9 SW	CS 6 SW	CS 7 SW	CS 8	S 2	K 1 SW	S 4 SW	S 3 SW	0
17	0	Hidden	Hidden	Hidden	Hidden	S 1	D. Fog	N 10	N 10 NW	N 10 NW
18	CS 2	0	CS 2	0	0	0	0	K 7 NW	0	0
19	0	C 3 N	C 2	CS 8 NW	0	0	0	K 2	0	0
20	C 2?	C 8	{C 3 CS 3	C 7	CS 8	S 4?	S 2 NW	K 2 W?	0	S 2?
21	CS 10	Hidden	{C 3 SW CS 3	CS 8 SW	CS 10	0	S 10 S	{K 1 S 3	S 2 SW	0
22	Hidden	C 6 NW	Hidden	Hidden	0	S 10	K 4 NE	N 10 NW	N 10	0
23	0	0	0	CS 5 NW	0	0	0	K 4 NW	0	S 1 NW
24	0	C 3 NW	C 1 W	0	0	S 2 NW	0	K 3 W	S 1 NW	S 1 NW
25	0	C 1	C 6 N	0	0	S 1	0	K 3 N	S 1 NW	0
26	0	0	C 3 NW	0	C 2 NW	0	0	0	K 1 NW	K 1 NW
27	Hidden	0	0	0	0	N 10 N	K 1 NE	0	KS 3	0
28	0	0	0	0	Hidden	S 4 NW	0	0	KS 2 NW	N 10
29	0	0	C 2 NE	0	0	K 3 NE	0	0	0	0
30	0	0	0	0	0	0	0	0	KS 6 NW	0

REMARKS

Nov. 27. Snow, B. D. N. ; E. 7.40 A.M.

Nov. 28. Snow, B. 9.00 P.M. ; E. 9.15 P.M.

DECEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	Mean of Tri- daily.	Max.	Min.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	.92	.92	.90	.93	.92	.91	13	21	22	22	21	19	24	13	77	74	68	79	74
2	.89	.89	.86	.85	.82	.86	21	22	23	19	15	20	24	15	80	76	76	74	67
3	.67	.70	.61	.52	.46	.58	13	18	18	15	8	13	19	8	78	70	70	75	67
4	.42	.49	.52	.59	.61	.52	0	1	1	-1	-2	0	8	-2	100	91	100	89	89
5	.67	.63	.50	.49	.40	.52	3	10	12	11	6	7	13	-3	86	59	70	73	83
6	.32	.34	.32	.37	.39	.34	-6	-4	0	-2	-5	-4	6	-6	78	89	79	100	100
7	.48	.53	.55	.61	.65	.56	-10	-4	2	2	4	-1	4	-10	98	93	93	91	79
8	.74	.76	.68	.75	.76	.73	3	9	14	12	10	9	15	3	85	82	98	82	80
9	.76	.76	.72	.74	.68	.72	9	12	16	12	10	12	16	9	69	70	76	70	87
10	.55	.56	.45	.44	.41	.47	3	1	6	1	-1	3	10	-1	100	96	93	100	95
11	.34	.34	.33	.35	.38	.35	-3	-1	0	-4	-4	-2	0	-4	100	95	89	91	91
12	.44	.44	.41	.39	.41	.42	-6	-4	1	-1	1	-1	2	-6	89	79	79	79	79
13	.22	.27	.24	.25	.28	.25	-7	-6	-4	-7	-10	-7	1	-10	88	74	89	88	70
14	.32	.29	.28	.28	.27	.29	-8	-8	-6	-8	-10	-8	-4	-12	74	74	63	74	74
15	.22	.29	.25	.32	.35	.27	-10	-5	1	2	3	-2	4	-14	86	75	83	88	89
16	.43	.40	.40	.38	.40	.41	8	10	12	11	10	10	13	-2	91	89	74	79	92
17	.46	.50	.43	.39	.43	.44	10	12	10	7	6	9	14	5	98	96	96	93	100
18	.40	.48	.48	.53	.56	.48	8	12	15	16	15	13	18	0	91	100	87	94	94
19	.48	.51	.53	.49	.47	.49	15	14	17	13	12	15	19	12	89	87	94	95	100
20	.35	.38	.34	.36	.31	.33	7	8	10	10	10	9	12	7	100	91	94	96	94
21	.20	.19	.22	.27	.30	.24	10	11	15	14	12	12	16	7	100	100	100	100	100
22	.37	.37	.37	.42	.50	.41	12	14	16	16	14	14	17	10	100	100	98	95	100
23	.44	.41	.34	.44	.46	.41	13	15	12	11	12	12	16	9	95	92	88	94	96
24	.46	.50	.40	.43	.47	.44	9	9	15	14	6	10	15	6	87	87	82	94	93
25	.52	.63	.60	.49	.44	.52	3	10	11	10	11	8	12	1	91	62	61	92	100
26	.31	.30	.27	.27	.24	.27	12	10	12	9	9	11	14	6	100	94	92	94	94
27	.20	.24	.20	.24	.26	.22	5	2	4	4	2	4	9	1	83	83	91	83	89
28	.24	.24	.22	.25	.27	.24	2	3	3	1	-1	2	4	-1	91	93	93	94	83
29	.28	.28	.24	.26	.26	.26	-1	1	6	3	1	2	6	-2	87	83	86	93	91
30	.24	.23	.21	.25	.30	.25	0	-1	-4	-10	-14	-6	1	-16	91	79	75	90	70
31	.36	.42	.45	.49	.54	.45	-15	-15	-10	-7	-7	-11	-6	-20	77	69	70	76	86
Mean	.44	.46	.43	.45	.45	.44	3.6	5.7	8.1	6.3	4.6	5.4	10.3	0.1	89	84	84	88	87

REMARKS.

Dec. 4. Snow, B. D. N.; E. 7.45 P.M.
6. " B. 2.10 P.M.; E. D. N.

Dec. 10. Snow, { B. D. N.; E. 9.30 A.M.
 { B. 4.35 P.M.; E. D. N.

DECEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.07	P.M. 1.07	P.M. 9.07	Total.	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07											
1	NE 7	NE 4	NE 8	N 1	N 1	111	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	NW 8	0	0	0	SW 4	58	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	NW 8	NW 6	NW 13	W 1	NW 1	105	.	.	.	.	Cr	Cr	Cr	Cr	F
4	NE 1	0	NE 20	NE 12	NE 7	154	.01	.25	.07	.33	LS	LS	LS	LS	Cy	
5	N 8	N 16	NW 38	W 30	W 44	519	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	NW 24	0	SW 5	s 5	s 14	364	\$.01	.	.30	.31	Cr	Cr	F	LS	LS	
7	SW 12	SW 8	SW 30	SW 32	SW 32	471	.07	.	.	.07	Cr	Cr	Cr	Cr	Cr	
8	SW 15	SW 14	SW 16	SW 9	SW 1	476	.	.	.	.	F	Cr	Cy	Cr	Cr
9	W 27	W 13	W 23	W 9	SW 14	453	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	SE 20	SE 16	SW 26	SW 28	SW 25	477	.02	T	.03	.05	LS	LS	F	LS	LS	
11	W 6	0	W 1	W 10	W 6	237	\$.09	§T	.01	.10	Fy	F	LS	F	F	
12	W 16	SW 12	SW 27	W 28	W 12	393	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	W 16	W 24	W 28	NW 24	NW 7	604	.	.	.	.	Cr	Cr	F	Cy	Cr
14	NW 12	NW 32	NW 24	NW 26	W 40	422	§T	.	.	T	Cr	Cr	F	Cr	Cr	
15	W 68	W 38	W 25	W 12	W 16	857	.	.	.	.	Cr	Cr	Cr	F	Cr
16	W 4	W 23	W 40	W 40	W 48	665	§T	.	.	T	Fy	F	Cy	Cy	Cr	
17	W 23	W 16	SW 3	W 7	NW 7	362	\$.01	.	.	.01	Fy	Cy	Cy	Cy	Fy	
18	W 18	NW 16	W 12	W 23	W 19	323	\$.01	.	.	.01	Cy	Cy	F	Cy	Cr	
19	W 24	W 20	W 3	W 6	0	307	\$.02	.	§T	.02	Cy	Cy	Cy	Cy	Fy	
20	W 6	W 1	W 28	W 22	W 12	‡16	\$.02	.	§T	.02	Cy	F	Cy	Cy	Fy	
21	w Gale	sw Gale	sw Gale	sw Gale	w Gale	‡152	\$.03	T	.14	.17	Fy	Fy	LS	HS	HS	
22	sw 7	NW 8	W 8	NW 18	s 4	352	\$.09	.04	.05	.18	LS	LS	LS	LS	LS	
23	w Gale	W 22	W 20	W 18	W 17	‡272	\$.12	.03	T	.15	LS	LS	LS	Cy	Cy	
24	W 30	W 8	SW 44	SW 31	W 14	502	.	.	.	.	Cy	Cy	Cy	Cy	F
25	NW 16	W 8	0	W 18	SW 15	321	.	.	¶T	T	Cy	F	Cy	Cy	Fy	
26	W 8	W 12	W 10	0	W 8	178	\$.02	.	.02	.04	Cy	Cy	Cy	LS	LS	
27	W 5	W 3	W 11	W 5	SW 1	171	\$.02	.	.	.02	Cy	Cy	Cy	F	Cy	
28	SW 5	W 3	W 6	SW 12	SW 3	145	§T	.	.	T	Cy	Cy	Cy	Cy	Cr	
29	SW 8	SW 4	SW 1	SW 8	SW 8	140	§T	.	.	T	Cy	Cy	Cy	Cy	Cy	
30	0	0	NE 4	N 8	NW 6	96	\$.02	.	.	.02	Cy	Cy	Cy	Cy	Cr	
31	N 8	NE 7	NE 7	N 8	E 6	196	§T	.	.	T	Cr	Cr	Cr	Cr	Cr	
Mean	*14	†11	‡16	‡15	‡13	‡10099	.56	.32	.62	1.50						

REMARKS.

Dec. 11. Snow, B. 10.15 A.M.; E. 4.20 P.M.

Dec. 21. Snow, B. 12.15 P.M.; E. 1.45 P.M. of 23d.

* For 29 days.
§ Frost.

† For 30 days.
‡ Snow and Frost.

‡ Incomplete.
¶ Fog.

DECEMBER, 1884.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07	A.M. 5.07	A.M. 9.07	P.M. 1.07	P.M. 5.07	P.M. 9.07
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	K 4NW
4	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10NW	N 10	S 10NE
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	Hidden	Hidden	K 2 NW	KS 3 W	K 4 SW	N 10	N 10
7	0	0	cs 3 w	cs 2 sw	0	0	0	0	0	0
8	0	0	Hidden	0	0	S 4 SW	0	S 10 W	0	0
9	0	0	0	0	0	0	0	0	K 1 W	0
10	Hidden	Hidden	cs 6 sw	Hidden	Hidden	N 10 SE	N 10 SE	0	N 10 SW	N 10 SW
11	Hidden	0	Hidden	0	0	D. Fog	S 4 W	N 10	KS 7 W	KS 6 W
12	0	0	0	0	0	0	0	KS 2 SW	KS 3 W	0
13	0	0	0	Hidden	0	0	0	K 5 W	S 10 W	0
14	cs 2 w	cs 1 w	0	0	0	0	0	K 6NW	K 1NW	0
15	0	0	0	0	0	0	0	0	K 6NW	0
16	Hidden	0	c 2 w	c 2 w	0	D. Fog	K 6 W	K 6 W	S 7 W	0
17	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	{L. Fog {s 10 w	{L. Fog {s 10	{L. Fog {s 10 w	D. Fog
18	Hidden	Hidden	cs 2 w	cs 7 w	0	S 10	{L. Fog {s 10	K 5 W	S 3 W	0
19	Hidden	Hidden	Hidden	cs 5 w	Hidden	S 10	S 10	{L. Fog {s 10	{L. Fog {s 5 w	D. Fog
20	Hidden	0	cs 7 w	Hidden	Hidden	{L. Fog {s 10	K 6 W	K 3 W	{L. Fog {s 10	D. Fog
21	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	N 10	N 10	N 10
22	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	N 10	N 10
23	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	{L. Fog {s 10	{L. Fog {s 10
24	Hidden	{cs 2 w {c 6 w	c 2 w	Hidden	c 3 w	S 10	0	S 8 W	{L. Fog {s 10	S 4 W
25	Hidden	c 6	cs 4	Hidden	Hidden	S 10	0	S 6	{s 8 w {k 2 w	D. Fog
26	Hidden	Hidden	Hidden	Hidden	Hidden	{L. Fog {s 10	S 10	S 10 W	N 10	N 10
27	Hidden	c 8	cs 6	cs 4	c 7	S 10	0	{L. Fog {k 4 w	0	S 2
28	Hidden	Hidden	Hidden	Hidden	0	{L. Fog {s 10	{L. Fog {s 10	{L. Fog {s 10	{L. Fog {s 10	0
29	Hidden	Hidden	Hidden	Hidden	cs 10	{L. Fog {s 10	{L. Fog {s 10	{L. Fog {s 10	{L. Fog {s 10	L. Fog
30	Hidden	Hidden	Hidden	Hidden	0	{L. Fog {s 10	S 10	{L. Fog {s 10	{L. Fog {s 10	0
31	0	0	0	0	0	0	0	0	0	0

REMARKS.

Dec. 26. Snow, B. 3.50 P.M.; E. D. N.

JANUARY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.61	.60	.58	.59	.60	.60	0	2	3	3	3	2	4	- 8	75	79	69	69	66
2	.49	.46	.40	.41	.42	.44	0	2	6	- 3	- 4	1	6	- 4	89	74	69	89	85
3	.49	.52	.53	.55	.60	.54	- 4	- 5	- 2	- 5	- 1	- 2	0	- 6	91	89	87	89	68
4	.67	.70	.67	.66	.64	.66	8	9	16	14	14	13	17	- 2	72	64	67	71	78
5	.46	.31	.35	.36	.36	.39	8	- 1	- 4	- 6	- 11	- 2	14	- 11	80	79	100	100	95
6	.47	.49	.50	.59	.61	.53	- 4	2	5	8	10	4	10	- 12	87	74	76	66	66
7	.75	.78	.75	.77	.78	.76	15	18	19	18	17	17	20	10	72	79	74	78	76
8	.69	.66	.64	.65	.68	.67	11	14	20	14	10	14	21	11	68	64	66	64	73
9	.81	.82	.75	.74	.66	.74	8	13	14	11	10	10	16	8	72	70	70	70	73
10	.42	.45	.48	.43	.36	.42	8	8	11	8	8	9	12	6	91	74	80	64	83
11	.28	.35	.36	.38	.39	.34	- 1	- 2	2	2	2	1	8	- 2	95	91	74	91	100
12	.33	.36	.44	.53	.54	.43	- 4	- 4	- 2	- 3	- 3	- 3	2	- 4	95	95	89	87	87
13	.61	.64	.58	.54	.51	.56	- 5	0	3	2	1	0	4	- 5	83	70	79	74	83
14	.45	.44	.40	.42	.39	.42	- 2	0	4	2	1	1	4	- 2	95	85	83	91	100
15	.33	.30	.26	.25	.23	.27	- 2	- 1	- 5	- 12	- 16	- 8	1	- 16	98	95	87	74	58
16	.11	.24	.30	.41	.50	.30	- 28	- 20	- 14	- 4	- 2	- 15	- 1	- 29	55	29	48	75	89
17	.52	.52	.47	.49	.51	.50	2	4	4	- 1	- 3	1	4	- 6	86	74	66	87	91
18	.49	.50	.43	.43	.42	.45	- 3	- 3	- 3	- 4	- 7	- 4	- 2	- 8	89	83	79	91	91
19	.38	.39	.40	.42	.46	.41	- 9	- 8	- 7	- 6	- 9	- 8	- 5	- 12	86	74	67	87	82
20	.42	.47	.50	.52	.55	.49	- 12	- 4	0	2	3	- 3	4	- 13	74	53	39	68	86
21	.59	.62	.60	.57	.53	.57	6	7	8	8	8	8	9	3	81	62	62	69	69
22	.55	.56	.52	.49	.45	.50	8	8	12	9	4	8	13	2	69	45	40	57	72
23	.31	.27	.20	.23	.20	.24	1	1	3	0	- 3	0	5	- 3	83	70	66	85	87
24	.17	.18	.17	.16	.22	.18	- 11	- 13	- 17	- 22	- 19	- 15	- 3	- 25	86	76	77	80	64
25	.35	.41	.42	.52	.57	.45	- 11	- 7	- 4	- 3	- 1	- 5	0	- 22	74	71	58	70	81
26	.59	.60	.51	.37	.39	.50	- 1	- 2	1	- 1	- 2	- 1	2	- 4	79	69	74	83	87
27	.37	.40	.42	.42	.49	.42	- 6	- 5	- 1	- 1	2	- 2	2	- 8	89	87	91	79	74
28	.44	.54	.51	.54	.58	.51	2	2	4	5	6	4	8	0	83	48	60	70	60
29	.59	.59	.57	.61	.62	.60	6	10	10	7	4	7	11	3	76	53	65	69	79
30	.65	.67	.67	.67	.69	.67	4	5	8	6	3	5	9	2	83	76	69	86	89
31	.71	.77	.82	.83	.84	.79	9	8	12	11	11	10	12	3	66	69	68	71	73
Mean	.49	.50	.49	.50	.51	.50	- 0.3	1.2	3.4	2.0	1.1	1.4	6.7	- 5.0	81	72	71	78	80

REMARKS.

Jan. 5. Snow, { B. 5.20 A.M.; E. 5.45 A.M.
 { B. 1.30 P.M.; E. 6.15 P.M.

Jan. 12. Snow, B. D. N.; E. D. N.
14. " B. 5.50 P.M.; E. D. N.

JANUARY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	N Brisk	NW Brisk	W 32	NW 26	W 30	†351	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	SW 18	0	0	N 6	NW 1	265	.	.	.	.	Cr	Cr	Cr	Cy	F
3	N 3	NW 10	W 12	W 32	NW 14	236	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	N 16	NW 10	NW 16	NW 11	NE 17	277	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	N 18	NW 52	E 10	NE 12	N 28	483	.	T	.10	.10	Cy	F	Cy	LS	Cr	
6	NE 24	NE 44	NW 74	NW 62	NW 76	1057	.	.	.	.	Cr	Cr	Cr	F	Cr
7	NW 80	NW 68	NW 48	W 59	W 60	1417	.	.	.	.	Cr	Cy	F	Cr	Cr
8	W 64	W 68	W 58	W 40	NW 52	1380	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	N 21	NW 12	W 41	W 40	W 54	666	.	.	.	.	Cr	Cr	Cr	F	Cr
10	W 80	W 40	W 44	W 40	W 30	1237	§T	.	.	T	F	F	Cy	F	Cy	
11	NW 23	NW 15	W 12	W 20	SW 11	473	\$.01	.	§T	.01	Cy	Cr	F	Fy	Fy	
12	W 16	NW 48	NW 30	W 40	NW 26	775	.03	.	.	.03	F	Cr	Cr	Cr	Cr	
13	W 26	W 13	SW 20	SW 22	SW 20	514	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	W 39	SW 14	S 6	SW 8	SW 12	446	§T	.	.10	.10	Fy	Cy	Cy	Cy	LS	
15	W 8	SW 3	SW 8	NW 12	W 20	261	.25	T	.	.25	Cy	Cy	Cr	F	Cr	
16	NW 66	N 32	N 52	NW 17	N 16	1007	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	NW 11	W 16	W 14	NW 9	NE 3	292	.	.	.	.	Cr	Cy	Cy	Cy	Cr
18	NW 12	0	NW 10	NW 4	NW 1	80	.	.	.	.	F	Cy	Cy	Cy	Cy
19	NW 6	N 5	N 4	W 2	0	115	.	.	.	.	Cr	Cy	Cy	Cy	Cr
20	W 14	NE 4	N 3	N 9	N 7	140	.	.	.	.	Cr	Cr	Cr	Cr	Cr
21	NW 8	NE 4	N 6	NW 10	W 11	173	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	W 12	NW 12	W 2	0	W 1	195	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	W 8	W 17	W 7	SW 5	SW 5	202	.	.	.	.	Cr	Cy	Cr	Cr	Cy
24	0	0	W 1	W 4	N 8	83	.10	.02	T	.12	Cy	LS	LS	Cy	Cr	
25	N 8	N 8	NW 10	NW 14	N 12	247	.	.	.	.	Cr	Cy	F	F	Cr
26	NW 12	NW 5	NW 12	NW 16	NW 21	313	.	.	.	.	Cr	Cr	Cr	F	Cr
27	NW 22	NW 7	NW 10	W 25	NW 12	392	.	.	.	.	Cy	Cy	Cy	Cr	Cr
28	N 15	N 12	NW 11	W 10	N 14	325	.	.	.	.	Cr	Cr	Cr	Cr	Cr
29	W 24	N 15	NW 7	W 6	NW 7	235	.	.	.	.	F	Cy	Cy	F	F
30	N 1	0	0	NW 1	NE 1	70	.	.	T	T	Cr	F	Cy	Cy	Cr	
31	NE 4	NE 6	NE 5	N 1	N 1	109	.	.	.	.	F	Cy	F	Cr	Cr
Mean	*22	*18	18	18	18	†13816	.39	.02	.20	.61						

REMARKS.

Jan. 15. Snow, B. 9.10 A.M.; E. 10.20 A.M.

Jan. 24. Snow, B. D. N.; E. D. N.

* For 30 days.

† 12 hours record lost.

‡ For 30½ days.

§ Frost.

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JANUARY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	c 2 w	0	CS 2 w	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	s 8NW	KS 6 W
3	0	0	0	0	0	0	0	0	0	0
4	0	0	c 3 w	0	0	0	0	0	KS 2 w	0
5	Hidden	0	Hidden	Hidden	0	s 10	KS 6 w	s 10	N 10	0
6	0	0	0	0	0	0	0	0	KS 4 w	0
7	0	0	0	0	0	0	KS 8 w	KS 4 w	0	0
8	0	0	0	0	0	0	0	0	0	KS 2 w
9	0	0	0	0	0	0	0	0	KS 4 w	K 3 w
10	0	0	0	0	0	K 6 w	K 4 w	K 9 w	K 7 w	KS 8 w
11	0	0	0	Hidden	Hidden	KS 8 w	K 2 w	K 7 w	D.Fog w	D.Fogsw
12	0	0	0	0	0	KS 6 w	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	Hidden	0	0	Hidden	Hidden	D. Fog w	K 8 sw	K 8 sw	s 10	N 10 sw
15	Hidden	Hidden	0	0	0	s 10	s 10	KS 3 w	KS 6NW	0
16	0	0	0	0	0	0	0	0	0	0
17	0	Hidden	Hidden	Hidden	0	0	s 10	s 10	s 10	0
18	cs 7	c 6 w	c 6 NW	Hidden	Hidden	0	K 2 w	K 4NW	s 10NW	s 10
19	0	c 7 NW	c 5 NW	Hidden	0	0	K 2NW	K 3NW	s 10NW	0
20	0	0	0	0	0	0	0	0	0	0
21	CS 3 NW	CS 3	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0
23	CS 3 w	CS 7 w	CS 2 w	0	Hidden	0	s 3 w	0	K 3 w	s 10
24	Hidden	Hidden	Hidden	Hidden	CS 2	{ L. Fog s 10	N 10	N 10	s 10 w	0
25	0	0	c 6 NW	c 4 NW	c 3 NW	0	s 8 N	0	0	0
26	CS 2	0	c 3 NW	0	0	0	0	0	s 5NW	0
27	Hidden	Hidden	Hidden	0	0	s 10	{ L. Fog s 10	{ L. Fog s 10	K 1NW	0
28	0	0	0	0	c 3	0	0	0	0	0
29	CS 7	CS 1	0	0	c 5 N	0	s 8	s 9	s 7	K 2 N
30	0	c 7	c 10	0	0	s 2	0	0	KS 9NW	0
31	c 6	CS 8	c 4 NE	0	0	0	0	0	0	0

REMARKS.

Jan. 24. Snow, B.6.10 A.M.; E. 1.30 P.M.

Jan. 30. Snow, B. 5.22 P.M.; E. 5.35 P.M.

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FEBRUARY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	.84	.86	.86	.87	.88	.86	8	10	12	12	11	10	13	8	76	71	74	70	73
2	.86	.85	.82	.81	.76	.81	11	13	18	15	14	14	18	8	73	76	73	67	76
3	.58	.66	.66	.70	.67	.74	4	6	9	12	13	9	14	4	75	69	80	78	70
4	.62	.61	.57	.53	.54	.57	10	13	15	8	-1	8	15	-1	87	82	89	83	89
5	.45	.51	.61	.62	.63	.56	-1	0	5	6	13	6	13	-5	79	83	86	69	76
6	.45	.53	.50	.48	.40	.45	5	10	14	13	8	9	15	5	80	66	70	76	64
7	.34	.33	.32	.30	.27	.31	1	-1	5	3	3	3	8	-2	100	91	91	91	91
8	.21	.19	.17	.17	.16	.18	-3	-2	-1	-8	-19	-8	3	-19	95	91	89	74	58
9	.19	.18	.17	.17	.18	.18	-23	-24	-18	-19	-18	-20	-18	-24	47	57	76	76	90
10	.24	.25	.25	.25	.21	.23	-16	-11	-8	-10	-15	-13	-7	-20	86	84	95	93	95
11	.20	.24	.27	.26	.25	.24	-16	-13	-6	-7	-8	-10	-4	-16	90	82	91	91	95
12	.29	.29	.29	.29	.28	.29	-10	-8	-2	-5	-10	-7	-1	-10	95	95	95	100	98
13	.21	.22	.23	.20	.18	.20	-18	-10	-6	-3	-4	-9	-2	-18	90	92	91	95	95
14	.10	.09	.11	.16	.17	.12	-8	-8	-12	-15	-19	-13	-4	-19	93	95	98	95	90
15	.13	.15	.17	.25	.32	.20	-23	-18	-11	-7	-3	-12	-3	-23	80	85	84	91	91
16	.22	.33	.35	.33	.30	.29	-4	2	4	5	2	1	6	-4	95	87	83	83	83
17	.36	.38	.42	.46	.47	.41	0	3	6	5	4	4	7	0	87	91	83	76	83
18	.47	.52	.57	.58	.57	.54	1	4	9	8	8	6	10	1	83	75	80	78	83
19	.54	.64	.64	.65	.72	.63	6	10	14	14	13	11	16	6	80	80	87	94	89
20	.53	.61	.59	.58	.61	.58	10	12	15	10	8	11	16	8	94	87	76	73	78
21	.55	.59	.57	.54	.54	.55	4	6	10	12	8	8	14	4	74	89	81	76	85
22	.42	.47	.43	.43	.45	.43	7	10	13	14	10	10	15	7	83	84	82	87	80
23	.45	.43	.40	.40	.41	.42	8	8	13	10	6	9	14	6	69	78	91	80	83
24	.41	.42	.44	.44	.46	.44	1	2	9	8	5	5	9	1	83	77	85	91	91
25	.49	.48	.47	.53	.56	.52	-6	-5	-4	0	1	-3	5	-6	78	85	77	83	83
26	.66	.75	.75	.78	.78	.73	8	14	14	14	12	12	15	1	80	76	76	70	70
27	.70	.68	.63	.64	.62	.65	8	10	14	12	8	10	15	8	76	60	64	70	78
28	.59	.61	.61	.64	.69	.63	5	5	6	0	2	4	8	-1	83	91	83	83	83
Mean	.43	.46	.46	.47	.47	.45	-1.1	1.4	4.9	3.8	1.9	1.9	7.6	-3.6	82	81	83	82	83

REMARKS.

Feb. 4. Snow, B. 5.15 P.M.; E. 5.20 P.M.

7. " { B. D. N.; E. D. N.
 { B. 4.05 P.M.; E. D. N.

Feb. 9. Snow, B. 8.15 P.M.; E. D. N.

10. " B. 10.30 A.M.; E. 3.40 P.M.
12. " B. 10.45 A.M.; E. 6.35 P.M.

FEBRUARY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00										
1	NE 11	NE 9	NE 7	W 4	0	148	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	W 6	W 8	W 1	NW 7	NW 4	132	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	NW 12	N 18	NW 16	NW 20	NW 24	344	.	.	.	.	Cr	F	F	F	F
4	NW 16	W 14	NW 12	N 1	NW 18	348	†T	.	T	T	F	F	Fy	Fy	Cr
5	NW 20	NW 28	N 8	W 7	N 11	357	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	NW 8	NW 8	W 14	SW 12	SW 1	245	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	W 2	W 1	SW 1	S 11	S 9	46	*.05	.	.30	.35	Cy	Cr	Cy	HS	HS
8	SW 4	0	NW 6	NW 8	NW 46	186	.10	.	.	.10	Cy	Cy	Cy	Cy	Cr
9	N 16	N 28	NW 23	NW 24	NW 24	618	.	.	T	T	Cr	Cr	Cy	Cy	LS
10	NW 44	W 23	NW 22	N 28	NW 56	718	.03	.06	.14	.23	Cy	Cy	LS	Cy	Cr
11	NW 60	N 56	NW 22	NW 34	NW 34	1046	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	N 15	N 4	NE 1	W 10	NW 14	288	†T	.10	.35	.45	F	Cy	LS	HS	Cy
13	N 27	NW 48	NW 48	W 42	W 44	866	.	.	.	.	Cr	Cr	Cr	F	Cy
14	N 23	NW 14	N 6	NE 2	N 1	363	.21	.15	.19	.55	LS	LS	LS	LS	Cr
15	NW 32	NW 40	NW 40	N 43	NW 38	831	.	.	.	.	Cy	Cy	Cy	Cr	Cy
16	NW 26	NW 26	W 28	W 40	W 44	728	†T	.	.	T	Fy	F	Cr	F	Cr
17	W 22	W 24	W 12	W 13	NW 6	496	†T	.	.01	.01	Fy	Fy	Cy	Cy	F
18	W 19	W 19	NW 8	NW 10	NW 17	398	.	.	.	.	Cr	F	Cr	F	Cy
19	NW 24	NW 11	NW 4	NW 1	0	255	†T	.01	.30	.31	Cr	F	LS	LS	F
20	0	0	NE 1	NE 10	NW 8	66	.15	.05	.02	.22	LS	Cy	F	Cr	Cr
21	NW 10	0	SW 12	W 20	SW 18	258	.	.	.02	.02	Cr	Cr	Cr	Fy	LS
22	W 9	SE 8	W 16	W 12	W 2	271	.20	.40	.25	.85	LS	LS	LS	HS	Cy
23	SW 5	S 2	0	NW 1	W 10	92	.	.08	.	.08	F	F	Fy	F	Cr
24	NW 16	W 8	W 12	W 9	NW 19	255	.	.01	.40	.41	Cr	Cr	Cy	HS	HS
25	NW 12	NW 30	NW 18	NE 24	NE 32	462	.03	.	.	.03	Cr	Cr	Cr	Cr	Cr
26	NE 22	NE 22	NW 32	NW 12	W 17	526	.	.	.	.	Cr	Cr	Cr	Cr	Cr
27	W 44	W 48	W 48	SW 36	W 34	913	.	.	.	.	Cr	Cr	Cr	Cr	Cr
28	SW 18	SW 5	0	W 12	NW 17	355	.	.20	.10	.30	Cy	LS	LS	F	F
Mean	19	18	15	16	20	11611	.77	1.06	2.08	3.91					

REMARKS.

Feb. 14. Snow, { B. D. N.; E. 2.00 P.M.
 { B. 4.50 P.M.; E. 6.10 P.M.
17. " B. 2.00 P.M.; E. 2.25 P.M.

Feb. 19. Snow, B. 12.45 P.M.; E. 6.45 P.M.
20. " { B. D. N.; E. 8 05 A.M.
 { B. 1.30 P.M.; E. 2.20 P.M.

* Snow and Frost.

† Frost.

FEBRUARY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	c 3 NW	0	0	c 2 NW	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	CS 3 W	0	0	0	CS 2 W	0	KS 6 NW	KS 4 W	KS 6 W	K 5 W
4	0	0	Hidden	Hidden	0	KS 7 W	KS 6 W	D.FogNW	D.FogNW	0
5	0	0	0	0	0	0	0	0	0	0
6	0	c 2 NW	0	0	0	0	0	K 3 W	0	0
7	Hidden	0	0	Hidden	Hidden	s 10	KS 2 W	KS 8 W	N 10 SW	N 10
8	Hidden	Hidden	0	Hidden	0	KS 10 SW	s 10	KS 9 W	s 10 NW	KS 3 NW
9	0	0	0	0	Hidden	s 3 NW	0	KS 8 W	KS 9 W	N 10
10	Hidden	Hidden	Hidden	0	0	s 10	s 10 W	N 10	KS 9 NW	0
11	0	0	0	0	0	0	0	0	s 3 W	KS 2 W
12	0	0	Hidden	Hidden	Hidden	s 6 NW	s 8 NW	N 10	N 10	s 10 NW
13	0	0	0	0	Hidden	s 3 NW	s 3 NW	0	KS 6 W	s 10 W
14	Hidden	Hidden	Hidden	Hidden	0	N 10 NW	N 10 NW	N 10 NW	N 10	s 3 NW
15	0	0	0	0	Hidden	s 9 NW	s 9 NW	KS 8 NW	s 3 NW	s 10 W
16	Hidden	0	0	0	0	D.Fog NW	KS 4 W	K 3 W	KS 4 W	0
17	Hidden	Hidden	0	0	0	D.Fog W	D.Fog W	K 8 W	K 8 W	KS 7 W
18	0	0	0	0	0	0	KS 6 W	KS 3 W	K 4 W	s 8 NW
19	0	0	Hidden	Hidden	0	0	K 4 W	N 10	N 10	s 7
20	Hidden	0	0	0	0	N 10	s 8	K 4 NW	0	0
21	0	0	0	Hidden	Hidden	0	0	K 3 W	L. Fog W	N 10
22	Hidden	Hidden	Hidden	Hidden	0	N 10	N 10 SE	N 10 SW	N 10	s 8 W
23	0	0	Hidden	c 3 W	0	s 4 W	s 5 SW	L. Fog s	KS 2 W	s 3 W
24	0	0	0	Hidden	Hidden	0	KS 2 W	KS 8 W	N 10	N 10
25	0	0	0	0	0	0	0	0	0	0
26	0	0	0	CS 2 W	0	0	0	KS 3 W	0	0
27	0	0	CS 3 W	c 3 SW	0	0	0	0	0	0
28	0	Hidden	Hidden	0	CS 4 W	s 8 SW	N 10	N 10	KS 4 W	K 2 W

REMARKS.

Feb. 21. Snow, B. 8.50 P.M.; E. 6.20 P.M. of 22d.
 23. " B. 9.50 A.M.; E. 12.20 P.M.
 24. " B. 10.10 A.M.; E. 12.30 P.M.

Feb. 24. Snow, B. 1.50 P.M.; E. D.N.
 28. " B. 6.35 A.M.; E. 3.30 P.M.

MARCH, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	.78	.80	.82	.84	.86	.82	6	10	14	14	17	12	17	0	76	72	70	70	69
2	.83	.77	.74	.72	.69	.75	15	17	18	14	9	14	18	9	67	69	68	76	73
3	.53	.57	.56	.54	.53	.54	4	3	6	8	4	5	10	1	83	76	77	91	91
4	.44	.45	.46	.48	.49	.47	- 2	- 6	- 2	- 3	- 5	- 3	4	- 8	87	89	83	87	85
5	.51	.50	.53	.54	.52	.52	- 6	- 9	- 6	- 5	- 6	- 6	- 5	- 12	91	71	68	83	86
6	.50	.57	.62	.66	.64	.59	- 4	- 2	3	4	3	1	4	- 7	85	79	74	83	89
7	.68	.74	.77	.81	.84	.76	3	8	9	10	9	7	11	1	83	62	81	87	73
8	.84	.87	.86	.85	.86	.86	10	13	16	17	12	13	20	3	80	76	52	61	67
9	.82	.82	.81	.80	.82	.82	13	15	18	18	14	15	21	10	66	33	38	38	50
10	.77	.78	.76	.75	.75	.76	9	12	19	18	12	13	20	8	58	38	52	53	76
11	.68	.67	.64	.64	.65	.66	10	14	18	15	11	13	19	10	67	67	91	82	87
12	.65	.68	.70	.73	.79	.72	12	12	19	14	10	14	20	10	93	81	72	93	87
13	.80	.82	.80	.76	.74	.78	7	11	16	15	10	11	17	6	83	73	83	67	84
14	.76	.78	.77	.77	.78	.77	5	9	13	13	8	9	16	4	88	84	76	75	78
15	.72	.73	.68	.67	.66	.68	10	12	14	13	10	11	16	8	80	76	74	92	87
16	.55	.56	.58	.60	.61	.58	8	10	16	12	10	11	17	8	79	73	66	87	74
17	.64	.72	.75	.78	.83	.74	10	12	15	12	14	13	16	10	80	76	76	64	57
18	.82	.82	.80	.79	.81	.81	12	16	18	15	12	14	20	12	76	23	39	61	64
19	.80	.81	.80	.76	.72	.77	11	17	19	18	13	14	19	9	71	48	66	58	77
20	.63	.59	.56	.54	.53	.57	12	16	16	9	7	12	19	5	85	82	94	94	100
21	.48	.48	.47	.49	.52	.49	7	10	10	5	2	6	10	2	100	81	87	91	100
22	.52	.49	.49	.51	.57	.53	0	3	9	9	4	4	10	- 2	81	83	100	87	100
23	.57	.58	.61	.60	.61	.60	4	6	6	9	7	6	11	3	91	83	79	94	100
24	.63	.63	.63	.63	.67	.64	5	8	15	12	13	11	15	4	100	100	100	100	100
25	.70	.72	.73	.70	.71	.72	9	11	18	14	15	14	19	8	100	100	96	100	100
26	.64	.65	.64	.61	.62	.64	10	10	16	13	12	13	18	10	100	94	87	100	100
27	.51	.53	.54	.54	.59	.55	6	7	8	4	0	5	12	0	100	100	100	100	100
28	.57	.65	.68	.70	.73	.66	- 3	0	5	6	3	2	7	- 5	100	87	83	83	81
29	.60	.63	.65	.68	.70	.65	3	8	11	10	8	7	11	3	100	100	87	91	100
30	.77	.80	.80	.79	.81	.79	10	12	20	17	13	14	21	7	55	45	47	42	64
31	.81	.83	.84	.84	.83	.83	10	13	21	21	16	16	23	10	60	63	60	56	76
Mean	.66	.68	.68	.68	.69	.68	6.6	8.9	12.8	11.3	8.6	9.4	14.7	4.1	83	74	75	79	83

REMARKS.

March 3. Snow, B. 5.20 P.M.; E. D. N.
 11. " B. 12.30 P.M.; E. 2.25 P.M.

March 12. Snow, { B. D. N.; E. D. N.
 { B. 2.12 P.M.; E. 3.15 P.M.

MARCH, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.							A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Movement.										
1	N 23	N 22	N 19	NW 20	E 23	498	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	NW 32	NW 48	W 33	NW 26	SW 28	707	.	.	.	.	Cr	Cr	F	Cr	Cr
3	W 37	W 40	NW 6	SW 12	SW 11	635	.	.	.01	.01	Cr	Cr	Cr	Cy	LS	
4	W 23	NW 38	NW 23	NW 27	W 50	683	.01	.	.	.01	Cy	Cy	F	F	Cr	
5	W 13	NW 23	NW 24	NW 22	NW 52	629	.	.	.	.	Cy	Cy	F	F	F
6	NW 60	NW 56	N 28	NW 24	NW 36	1017	.	.	.	.	Cy	Cy	Cy	Cy	Cy
7	NE 28	N 26	N 22	NE 10	NE 7	563	.	.	.	.	Cr	Cr	F	F	Cr
8	NE 14	NE 9	NE 1	W 14	W 26	298	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	NW 30	NW 26	0	NW 4	0	415	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	W 26	NW 14	0	SW 10	SW 12	254	.	.	.	.	Cr	Cy	F	F	Cr
11	SW 6	0	0	SW 12	E 12	168	.	T	.02	.02	Cr	F	LS	Cy	Cr	
12	S 16	NW 3	0	SW 18	W 10	246	.02	.	T	.02	Cy	F	Cy	Cy	Cr	
13	W 15	W 22	W 4	W 24	NW 5	331	*T	.	.	T	Cr	Cr	Cr	Cr	Cr	
14	NW 6	NW 6	NE 3	NW 2	NW 6	215	*T	.	.	T	Cy	Cy	F	Cr	Cr	
15	E 27	NE 16	NW 13	N 6	NW 23	423	.	.	.02	.02	Cr	Cr	Cy	LS	Cr	
16	NW 44	W 40	W 44	W 34	W 19	801	.	.	T	T	Cr	Cr	F	F	Cr	
17	W 44	NW 6	NW 15	NW 23	NW 28	706	.	.	.	.	Cr	Cr	F	Cy	Cr
18	W 23	NW 20	NE 4	NE 4	NE 3	262	.	.	.	.	Cr	Cy	Cy	Cy	Cr
19	NE 6	NE 3	W 8	W 15	W 11	225	.	.	.	.	Cr	Cy	F	F	Cr
20	W 7	SE 3	E 4	NE 5	W 7	215	*T	.01	.40	.41	Cr	Cr	LS	HS	LS	
21	W 18	W 7	W 24	NE 10	N 17	359	†.06	.	.	.06	Fy	Cy	Cy	Cy	Cy	
22	NW 18	W 52	W 44	W 22	NW 30	685	.	.	.	.	Cy	Cy	Cy	Cy	Cy
23	W 6	NW 2	NW 10	W 7	W 40	386	.	.	.	.	Cy	Cr	F	Cy	Cy
24	W 30	W 22	W 19	W 27	W 21	667	.	.	.	.	Cy	Cy	Cy	Cy	Cy
25	NW 19	W 8	W 10	W 18	W 22	447	*T	T	T	T	Cy	Cy	Sl	Cy	Cy	
26	W 15	N 5	NE 4	W 27	W 22	356	*T	T	.11	.11	Cy	Cy	Cy	Cy	Cy	
27	W 21	W 15	W 22	N 16	N 18	468	.06	.01	.08	.15	Fy	Cy	Cy	HS	LS	
28	N 46	NE 33	N 20	N 16	W 27	722	.07	.	.	.07	Cy	Cr	Cr	Cr	Cr	
29	W 33	W 64	W 42	W 36	W 28	935	.	.	.	.	Cr	Cr	Cr	Cr	Cr
30	N 40	0	W 26	NW 14	W 7	580	.	.	.	.	Cr	Cr	Cr	Cy	Cr
31	W 14	0	0	W 3	W 20	154	.	.	.	.	Cr	Cr	Cr	F	Cr
Mean	24	20	15	16	20	15050	.22	.02	.64	.88						

REMARKS.

March 15. Snow, B. 4.00 P.M.; E. 6.15 P.M.
 16. " B. 2.44 P.M.; E. 2.48 P.M.

March 20. Snow, B. 10.25 A.M.; E. D. N.
 25. Sleet, B. 12.48 P.M.; E. 3.00 P.M.

* Frost.

† Snow and Frost.

MARCH, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	0	c 2 NW	0	0	0	0	0	0	0
2	0	0	CS 4 W	0	CS 2 W	0	0	0	0	0
3	0	0	0	Hidden	Hidden	0	0	K 1 NW	{L. Fog {s 10	N 10
4	Hidden	Hidden	0	0	0	{L. Fog {s 10	{L. Fog {s 10	K 4 NW	K 5 NW	0
5	Hidden	0	0	0	0	{L. Fog {s 10	S 8 NW	K 5 NW	K 4 NW	S 6 NW
6	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	s 10	s 10	s 10	s 10
7	0	0	c 4 N	0	0	s 2	0	0	s 4	0
8	0	0	0	0	0	0	0	0	0	0
9	0	c 1	0	0	0	0	0	0	0	0
10	0	c 9	c 5	CS 4 NW	0	0	0	0	K 1 NW	0
11	cs 1	c 5 sw	Hidden	cs 7 sw	0	0	0	N 10	KS 3 SW	s 1
12	Hidden	c 3	0	Hidden	0	s 10	s 4	K 8 SW	{L. Fog {s 10	0
13	0	0	0	0	0	0	0	K 2 W	0	0
14	Hidden	Hidden	0	0	0	{L. Fog {s 10	{L. Fog {s 10	K 5 NE	0	0
15	0	c 1	c 10	Hidden	0	0	0	0	N 10	s 2NW
16	0	c 2 W	c 3 W	0	0	s 1 NW	K 1 W	K 4 W	s 6 W	0
17	0	c 2 NW	c 2 NW	CS 8 W	0	0	0	K 3 NW	0	0
18	0	CS 10	CS 10	CS 7 W	0	0	0	0	s 2 W	0
19	0	c 8	c 7	c 4	0	s 1	0	0	0	0
20	0	c 2	Hidden	Hidden	Hidden	s 1	0	N 10	N 10	N 10
21	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	{L. Fog {s 10	{L. Fog {s 10	s 10	s 10
22	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	s 10	{L. Fog {s 10	{L. Fog {s 10	{L. Fog {s 10
23	Hidden	0	c 7 W	cs 5	Hidden	s 10	K 3 N	0	s 4	s 10
24	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	s 10	{L. Fog {s 10	{L. Fog {s 10	{L. Fog {s 10
25	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	s 10	N 10	{L. Fog {s 10	s 10
26	Hidden	Hidden	Hidden	Hidden	Hidden	ks10 W	s 10	KS10 N	KS10 W	s 10
27	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	{L. Fog {s 10	{L. Fog {s 10	N 10 N	N 10
28	Hidden	0	0	0	0	s 10	0	K 3 NW	K 2 N	0
29	0	0	0	0	0	s 1 W	K 2 W	K 3 W	K 1 W	0
30	0	0	c 3 W	CS 7 W	0	0	0	0	s 2	0
31	0	0	0	CS 5 W	CS 3	0	0	K 3 W	K 2 W	0

REMARKS

March 26. Snow, { B. 12.00 M.; E. 12.30 P.M.
B. 1.42 P.M.; E. 3.20 P.M.
B. 5.35 P.M.; E. 6.15 P.M.

March 27. Snow, { B. D. N.; E. D. N.
B. 9.15 A.M.; E. 10.10 A.M.
B. 3.12 P.M.; E. D. N.

APRIL, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	.74	.75	.72	.72	.74	.73	15	17	11	19	16	14	22	15	85	87	100	100	100
2	.77	.79	.80	.77	.82	.80	12	17	18	19	16	16	21	12	100	94	96	91	87
3	.81	.78	.76	.75	.77	.78	12	14	18	20	18	16	21	12	87	82	91	100	100
4	.71	.72	.71	.67	.66	.69	17	21	25	22	18	20	26	17	94	100	96	92	91
5	.67	.64	.61	.57	.58	.62	13	17	21	20	15	16	22	13	87	76	86	74	67
6	.51	.50	.49	.50	.55	.52	11	14	19	15	13	14	20	11	66	76	86	100	94
7	.69	.66	.71	.73	.76	.72	12	15	17	15	13	14	19	12	100	100	94	84	89
8	.69	.67	.71	.70	.74	.72	13	17	18	16	14	15	20	13	89	76	86	87	76
9	.82	.84	.88	.90	.89	.86	14	19	21	24	18	18	25	12	72	70	57	64	68
10	.82	.89	.87	.85	.82	.84	17	23	27	27	22	22	28	17	67	56	59	59	53
11	.79	.80	.81	.79	.80	.80	16	18	23	23	19	20	24	16	62	58	73	77	80
12	.82	.83	.80	.78	.79	.80	17	20	25	24	21	21	26	17	67	56	80	86	80
13	.70	.71	.70	.63	.62	.67	19	19	26	22	18	21	28	17	86	80	93	..	89
14	.61	.61	.59	.60	.60	.60	16	19	21	21	17	18	22	15	78	95	86	100	100
15	.50	.54	.53	.52	.55	.53	13	15	15	13	12	14	17	12	100	98	98	94	94
16	.65	.66	.68	.68	.69	.67	14	17	23	20	16	18	24	11	87	87	92	100	94
17	.67	.67	.70	.70	.69	.69	13	17	25	21	18	19	26	13	87	76	92	73	91
18	.68	.73	.77	.73	.74	.73	14	21	26	24	20	20	27	14	82	76	82	86	91
19	.73	.70	.68	.65	.62	.68	17	22	27	24	18	21	28	17	85	80	92	78	90
20	.57	.53	.49	.44	.36	.47	14	18	20	17	11	15	21	11	87	96	91	100	91
21	.14	.25	.34	.36	.43	.30	0	3	12	10	8	7	14	- 1	100	93	100	100	100
22	.48	.48	.48	.47	.48	.48	5	13	15	12	10	10	15	- 5	100	100	100	100	100
23	.51	.57	.58	.60	.65	.58	8	6	9	6	8	8	10	4	100	100	100	100	100
24	.63	.64	.63	.65	.66	.64	6	8	7	10	5	6	11	4	100	100	93	94	95
25	.74	.75	.74	.73	.73	.73	8	11	14	17	14	12	18	4	58	54	81	87	89
26	.64	.69	.72	.69	.66	.67	14	15	22	21	18	18	24	12	92	100	88	100	100
27	.60	.65	.72	.74	.77	.70	12	14	18	19	17	16	21	11	100	100	94	100	100
28	.76	.80	.76	.69	.68	.73	14	21	24	21	20	19	24	14	100	98	96	100	100
29	.52	.53	.59	.65	.68	.60	11	9	14	16	14	13	20	7	100	100	100	100	100
30	.72	.74	.75	.75	.80	.76	11	18	23	20	17	17	24	10	100	100	100	100	100
Mean	.66	.67	.68	.67	.68	.67	12.6	15.9	19.5	18.6	15.4	15.9	21.5	11.1	87	85	89	90	90

REMARKS.

April 1. Sleet, { B. 10.30 A.M.; E. 11.00 A.M.
 { B. 11.30 A.M.; E. 7.05 P.M.
 2. Sleet, { B. D. N.; E. D. N.
 { B. 2.30 P.M.; E. 2.50 P.M.

April 3. Sleet, B. 3.20 P.M.; E. 6.50 P.M.
 4. Snow, B. 5.10 P.M.; E. 8.30 P.M.
 5. " B. 6.00 A.M.; E. 6.40 A.M.
 6. " B. 10.20 A.M.; E. 11.30 A.M.

APRIL, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.							A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Movement.										
1	W 38	W 32	W 28	W 1	N 10	525	.	.03	.15	.18	Cy	F	Sl	Sl	Cy	
2	0	0	W 1	W 20	NW 2	146	.04	.	.02	.06	Cy	Fy	Cy	Cy	Cy	
3	NW 12	NW 1	W 14	W 2	SE 4	196	.	.	.02	.02	F	F	Cy	Sl	Fy	
4	SE 4	S 10	SW 6	W 12	W 32	253	*.02	.	.10	.12	Fy	Fy	Fy	Cy	Cr	
5	SE 6	E 8	E 6	SW 13	W 29	340	.	T	.	T	Cy	Cy	Cy	F	Cr	
6	W 20	W 12	W 12	NE 11	NE 21	396	.	T	.10	.10	Cr	Cr	Cr	HS	Cy	
7	W 8	W 14	W 32	W 23	W 30	432	*.01	.	.	.01	Fy	Fy	Cy	Cr	Cr	
8	W 64	W 48	NW 42	NW 38	NW 48	1200	.	.	.01	.01	Cy	Cr	Cr	Cr	Cr	
9	N 58	NE 27	N 12	N 10	NW 24	783	.	.	.	.	Cr	Cr	Cr	Cr	F
10	NW 46	N 16	N 7	N 8	W 28	620	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	N 46	N 25	W 23	W 25	W 24	682	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	N 26	N 13	W 22	W 22	SW 22	502	.	.	.02	.02	Cr	Cr	F	Cy	Cy	
13	W 22	W 20	SW 15	W 26	W 40	528	*.02	.02	.	.04	F	F	Cy	F	F	
14	NW 17	N 3	W 24	W 24	W 28	410	.	.10	.12	.22	Cy	LS	Cy	LS	LS	
15	W 28	W 14	W 9	NW 8	NW 10	395	.02	.05	.	.07	Fy	Fy	Cy	Cy	Cr	
16	E 5	E 3	S 8	SW 11	S 22	216	.	.	.01	.01	Cr	Cr	F	LS	Fy	
17	W 20	W 17	SW 9	SW 25	W 28	446	.	.	.	.	Cr	Cr	F	F	Cr
18	W 60	SW 13	SW 16	S 16	S 18	742	.	.	.	.	Cr	Cr	Cy	Cy	F
19	W 32	W 24	S 12	S 20	S 19	509	.	T	T	T	Cr	Cy	LS	F	Cr	
20	SW 15	S 15	SE 14	SW 30	W 20	476	*T	.03	.07	.10	F	Sl	Sl	Sl	Cy	
21	W 36	W 32	W 12	W 36	W 32	645	.02	T	.	.02	Sl	Cy	Cy	Fy	Fy	
22	NW 8	NW 3	SE 10	SE 22	E 26	350	.	.08	.09	.17	Cy	Cy	LS	LS	LS	
23	E 16	E 14	E 12	E 12	SE 12	384	3.25	.06	.02	3.33	LS	LS	LS	LS	LS	
24	SE 6	NE 8	NE 16	NW 32	NW 48	376	.03	.	.	.03	Cy	Fy	Cy	F	Cr	
25	N 10	W 20	W 30	W 28	SW 40	596	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	W 76	W 40	SW 24	SE 22	SW 25	1026	.	.	.02	.02	Cy	Cy	Cy	LS	LS	
27	NW 22	W 47	W 20	SW 14	W 28	556	†.07	.	.01	.08	Cy	Cy	Cy	Cy	Cy	
28	W 28	SW 22	SW 23	S 22	SW 22	594	*T	T	.36	.36	Cr	Cy	Sl	Sl	Sl	
29	SW 16	W 19	N 28	NE 16	NE 22	489	.19	.11	.04	.34	Sl	Cy	Cy	Fy	Sl	
30	N 7	N 1	N 1	NE 7	NE 20	199	.02	.01	.05	.08	Cy	Cy	LS	LS	LS	
Mean	25	17	16	18	24	15012	3.69	.49	1.21	5.39						

REMARKS.

April 6. Snow, B. 4.20 P.M.; E. 7.15 P.M.
 8. Sleet, B. 2.30 P.M.; E. 2.45 P.M.
 12. Snow, B. 3.00 P.M.; E. 4.45 P.M.
 13. " B. 12.20 P.M.; E. 12.45 P.M.
 * Frost.

April 14. { Snow, B. 7.15 A.M.; E. 11.50 A.M.
 { Sleet, B. 3.30 P.M.; E. D. N.
 15. Sleet, B. 10.45 A.M.; E. 12.40 P.M.
 16. Snow, B. 4.50 P.M.; E. 5.30 P.M.
 † Snow and Frost.

APRIL, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	Hidden	c 2 w	Hidden	Hidden	Hidden	s 10 w	K 3 w	N 10	N 10	s 10
2	Hidden	Hidden	Hidden	Hidden	Hidden	{ L. Fog s 10	D. Fog	s 10 w	s 10 w	s 10 w
3	0	0	0	Hidden	Hidden	K 7 w	KS 6NW	KS 8 w	N 10	D. Fog
4	Hidden	Hidden	Hidden	0	0	D. Fog	D. Fog SE	D. Fogsw	KS 8 w	0
5	0	0	0	0	0	KS 8 SE	KS 8	KS 8 SE	K 5 w	KS 2
6	0	0	0	Hidden	Hidden	0	0	K 3 w	N 10	s 10 NE
7	Hidden	Hidden	0	0	0	D. Fog w	D. Fog w	K 8 w	K 3 w	0
8	0	0	0	0	0	s 8 w	K 3 w	K 2 w	K 2 w	0
9	0	0	0	0	0	0	0	0	K 3NW	KS 4 w
10	0	0	0	0	0	0	0	K 2NW	0	KS 2 w
11	0	0	0	0	0	0	0	KS 3 w	KS 3 w	0
12	0	0	0	0	Hidden	0	0	s 7 w	KS 8 w	s 10 sw
13	0	0	0	c 3 w	0	s 7 w	s 6 w	KS 9 sw	KS 4 w	s 4 w?
14	0	Hidden	Hidden	Hidden	Hidden	KS 8 NW	N 10 NW	s 10 w	N 10	N 10 w
15	Hidden	Hidden	0	0	0	D. Fog w	D. Fog w	KS 9 w	KS 8 NW	0
16	0	0	0	Hidden	Hidden	0	0	K 5 sw	N 10 sw	D. Fog s
17	0	0	0	0	0	0	0	K 7 sw	K 4 sw	s 3 w
18	CK 3 w	0	Hidden	K 3	0	0	K 3 sw	s 10 sw	s 6	s 5
19	0	K 4 sw	Hidden	0	0	0	s 5	N 10 s	K 5 sw	s 2
20	0	Hidden	Hidden	Hidden	Hidden	s 6	N 10	N 10	N 10	s 10
21	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	{ L. Fog s 10	{ L. Fog s 10	D. Fog	D. Fog
22	0	Hidden	Hidden	Hidden	Hidden	s 9	{ L. Fog s 10	N 10	N 10	N 10
23	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	N 10	N 10
24	Hidden	Hidden	Hidden	0	0	s 10	D. Fog	s 10	K 4NW	0
25	0	0	0	0	0	0	0	0	0	K 1 sw
26	Hidden	Hidden	c 8 sw	Hidden	Hidden	s 10 w	s 10	0	N 10	N 10
27	Hidden	0	0	Hidden	Hidden	{ L. Fog s 10	s 9 w	K 8 w	KS 10 sw	s 10 w
28	0	Hidden	Hidden	Hidden	Hidden	0	s 10 sw	N 10 w	N 10	N 10
29	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 w	s 10 w	s 10 w	D. Fog	N 10
30	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	KS 10 NW	N 10	N 10	N 10

REMARKS.

April 19. Snow, B. 12.34 P.M.; E. 2.00 P.M.

20. Sleet, B. 7.35 A.M.; E. 8.28 P.M.

21. " B. D. N.; E. 6.20 A.M.

22. Snow and Sleet, B. 10.10 A.M.; E. D. N. of 23d.

26. Snow, B. 4.45 P.M.; E. D. N.

April 27. Sleet, { B. 2.55 P.M.; E. 3.05 P.M.
 { B. 5.28 P.M.; E. 6.30 P.M.

28. Sleet, B. 12.58 P.M.; E. 7.50 A.M. of 29th.

29. " B. 5.30 P.M.; E. D. N.

30. Snow, B. 9.10 A.M.; E. D. N.

MAY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	.82	.86	.86	.87	.90	.86	14	19	22	19	20	19	25	14	89	92	100	93	100
2	.88	.88	.87	.86	.87	.88	16	20	24	21	19	20	26	16	95	91	98	96	97
3	.86	.86	.84	.82	.84	.85	16	23	27	23	22	22	28	15	87	91	100	100	100
4	.79	.78	.76	.74	.73	.76	20	23	25	23	21	22	27	20	91	92	100	96	91
5	.65	.65	.67	.67	.67	.66	18	22	17	16	16	17	22	16	89	100	100	87	94
6	.66	.62	.65	.67	.65	.65	14	16	19	20	21	18	21	14	82	87	96	100	100
7	.66	.65	.68	.70	.74	.69	18	21	23	22	21	21	24	18	100	91	86	92	91
8	.78	.80	.79	.81	.83	.80	20	23	26	24	22	22	26	20	78	92	94	92	100
9	.83	.82	.80	.78	.78	.80	18	23	26	27	22	22	28	18	89	92	84	84	100
10	.71	.69	.70	.70	.74	.72	20	24	25	21	19	21	26	19	91	86	100	100	96
11	.74	.74	.77	.78	.81	.77	14	16	20	22	19	18	23	14	87	82	86	80	80
12	.79	.80	.77	.75	.73	.76	16	23	23	24	21	20	25	15	74	76	80	92	91
13	.71	.73	.76	.75	.73	.73	18	26	27	27	22	22	28	18	79	74	84	84	76
14	.79	.79	.79	.76	.72	.77	18	24	27	25	19	21	28	18	76	74	84	80	86
15	.57	.58	.66	.66	.68	.64	14	16	22	23	23	20	24	14	76	72	80	76	80
16	.67	.67	.67	.66	.71	.68	15	18	23	15	14	17	24	14	82	91	92	87	100
17	.67	.65	.66	.66	.68	.67	12	13	19	19	18	16	20	10	81	100	91	91	91
18	.66	.65	.61	.57	.63	.63	14	19	19	18	13	16	20	13	80	80	91	85	82
19	.64	.65	.66	.67	.70	.67	12	16	21	21	19	17	23	11	81	76	80	87	97
20	.72	.72	.74	.76	.79	.75	17	18	24	25	22	21	26	15	89	91	92	94	95
21	.82	.86	.85	.84	.82	.83	20	24	30	30	25	25	31	20	84	79	82	80	89
22	.74	.76	.75	.74	.78	.76	23	23	24	25	24	24	27	23	94	92	87	92	78
23	.75	.78	.80	.80	.81	.78	20	28	33	29	23	25	34	20	85	79	78	84	78
24	.82	.84	.86	.87	.87	.85	18	23	28	27	22	22	29	16	91	96	87	96	100
25	.84	.86	.86	.83	.84	.85	19	23	27	26	21	22	29	18	86	80	84	92	100
26	.77	.77	.77	.76	.77	.77	21	22	26	23	21	23	28	20	91	87	91	100	95
27	.78	.79	.80	.77	.82	.80	18	20	24	22	18	20	26	17	83	80	96	100	100
28	.74	.80	.84	.85	.86	.81	13	16	22	21	17	17	22	12	100	89	86	80	93
29	.86	.90	.94	.96	.98	.93	17	19	27	31	24	23	31	17	83	81	77	81	80
30	.97	.98	.99	.96	.98	.96	26	30	33	31	28	29	34	24	84	81	87	82	77
31	.97	.98	.97	.94	.97	.97	28	32	37	34	31	32	39	26	80	78	64	85	90
Mean	.76	.77	.78	.77	.79	.78	17.6	21.4	24.8	23.7	21.0	21.1	26.6	16.8	86	86	88	89	91

REMARKS.

May 1. Snow and Sleet, B. 12.14 P.M.; E. D. N.
 2. { Snow, B. 10.48 A.M.; E. 2.25 P.M.
 { Sleet, B. 7.43 P.M.; E. 8.25 P.M.
 3. Snow, B. 10.35 A.M.; E. 6.00 P.M.
 4. " B. 10.30 A.M.; E. 11.40 A.M.

May 4. Snow, B. 3.30 P.M.; E. 5.40 P.M.
 5. " B. 8.20 A.M.; E. 2.15 P.M.
 6. Sleet, B. 1.20 P.M.; E. D. N.
 8. " B. 10.40 A.M.; E. D. N.
 9. Snow, B. 5.40 P.M.; E. D. N.

May 10. { Sleet, B. 12.00 M.; E. 1.50 P.M.
 { Snow, B. 3.20 P.M.; E. 7.45 P.M.
 12. Sleet, B. 12.00 M.; E. 2.10 P.M.
 13. " B. 1.35 P.M.; E. 2.15 P.M.
 15. " B. 3.15 P.M.; E. 3.20 P.M.

METEOROLOGICAL OBSERVATIONS.

MAY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.							Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.						24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Movement.										
1	W 7	W 6	W 11	W 22	SE 12	190	.16	.01	.36	.53	Cy	Cy	LS	LS	LS	
2	NW 12	NE 14	N 11	NE 16	NE 12	290	2.08	T	.09	2.17	Cr	Cr	LS	Cy	F	
3	SW 5	SW 1	SE 12	SW 17	SE 6	180	*T	.24	.15	.39	F	Cy	LS	LS	Fy	
4	N 6	NE 6	N 11	N 6	NE 16	211	*.01	.10	.06	.17	Cy	Cr	Cy	LS	Cr	
5	W 27	W 15	NE 12	NE 22	N 24	419	.	.19	.10	.29	Cr	LS	LS	F	F	
6	NE 23	NW 48	W 18	NW 16	SW 28	582	.	.	.10	.10	Cr	Cr	Cy	Sl	Sl	
7	W 32	NW 15	W 17	NW 11	W 18	486	.06	.	.	.06	Fy	Cr	F	F	Cr	
8	W 5	W 28	NE 19	NE 13	NE 6	353	*.04	.09	.12	.25	Cr	Cr	Sl	Sl	Sl	
9	W 11	W 14	NW 8	NE 4	S 18	182	.04	.	.06	.10	F	Cr	Cr	Cy	LS	
10	SW 8	NW 4	NE 10	NE 12	NE 9	285	.03	.06	.10	.19	Cr	Cr	Sl	LS	Fy	
11	N 18	NE 6	N 11	NW 12	NW 15	252	.	.	.	.	Cr	Cr	Cr	F	Cr
12	NW 38	N 4	W 27	SW 14	W 4	459	.	.03	.04	.07	Cr	Cr	Sl	Cy	Cr	
13	W 10	W 3	W 20	SW 27	W 39	369	.	.	.02	.02	Cr	Cr	F	Fy	Cr	
14	SW 36	SW 9	SW 21	SW 34	SW 44	648	.	.	.	.	Cr	Cr	F	Cr	Cr
15	SW 50	SW 64	SW 30	NW 15	N 8	946	.	.	T	T	Cr	Cr	Cr	F	Cy	
16	S 21	S 12	SW 14	W 22	N 4	321	.02	.03	.04	.09	Sl	Cy	Cy	F	Sl	
17	SW 24	SW 16	SW 32	SW 26	SW 26	654	.04	.05	.	.09	Cy	Sl	Cy	Cy	F	
18	SW 17	SW 13	SW 18	SW 56	W 24	583	.	.01	.	.01	Cr	Cr	Cy	Cy	Cr	
19	NW 12	NW 3	W 12	N 12	NW 10	318	.	.	.18	.18	Cr	Cr	Cy	Cy	Cy	
20	SW 12	W 24	W 24	SW 6	W 14	459	.01	.	.	.01	Cy	F	Cy	Cy	Cy	
21	NW 17	W 12	S 12	S 27	SW 32	528	.	.	.	.	Cr	Cr	F	F	Cr
22	SW 40	SW 42	SW 56	SW 44	SW 30	1189	.	.	.	.	Cy	Cy	Cy	Cy	F
23	W 40	SW 8	SW 8	SE 6	W 20	462	.	.	.	.	Cr	Cr	F	Cy	Cr
24	W 26	SW 24	SW 28	SW 22	S 20	659	.	†T	†T	T	Cr	Fy	Cy	Fy	Fy	
25	0	W 9	W 12	NE 4	E 7	175	.	.	.12	.12	Cr	Cr	F	Cy	Cy	
26	NW 21	W 31	NW 14	NW 30	N 15	442	.	.10	.06	.16	Cy	Cy	Sl	Cy	Cy	
27	N 24	NW 16	N 16	NE 12	NE 19	373	*T	.05	.42	.47	Cy	Cy	Sl	Sl	Cy	
28	NW 52	N 18	N 7	NE 13	N 32	573	.28	.10	.02	.40	Sl	Cy	Cy	F	F	
29	NE 30	N 20	NE 7	N 8	NW 10	455	.	.	.	.	Cy	Cy	F	F	Cr
30	N 18	NE 8	NE 1	SW 15	W 17	330	.	.11	.14	.25	Cr	F	Sl	F	Cr	
31	NW 26	W 12	NW 6	NW 6	NW 17	424	.	.	T	T	Cr	Cr	Cy	Sl	Cr	
Mean	22	16	16	18	18	13797	2.77	1.17	2.18	6.12						

REMARKS.

May 16. Sleet, { B. D. N.; E. 8.15 A.M. { B. 6.50 P.M.; E. D. N.	May 19. { Snow, B. 1.30 P.M.; E. 2.20 P.M. { Sleet, B. 5.50 P.M.; E. 7.40 P.M.	May 25. Sleet & Snow, B. 5.14 P.M.; E. 8 05 P.M.
17. " B. 8.30 A.M.; E. 10 20 A.M.	20. " B. D. N.; E. D. N.	26. Sleet, { B. 10.12 A.M.; E. 4.25 P.M. { B. 6.58 P.M.; E. 7.15 P.M.
18. " B. 12.15 P.M.; E. 12.45 P.M.	25. Sleet, B. 1.55 P.M.; E. 2.15 P.M.	27. " B. 11.04 A.M.; E. 1.12 P.M.

* Frost. † Fog.

MAY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	0	Hidden	Hidden	Hidden	s 8 w	KS 9NW	N 10	N 10	N 10
2	0	0	Hidden	c 1 NW	0	0	0	N 10	KS 7 w	s 4 N?
3	cs 5 w	0	Hidden	Hidden	Hidden	s 2 w	KS 8 w	N 10	N 10 SW	D. Fog
4	0	0	Hidden	Hidden	0	s 8	K 3NW	s 10	N 10	0
5	0	Hidden	Hidden	0	0	L. Fog	N 10	N 10	KS 4 NW	s 7NW
6	0	0	Hidden	Hidden	Hidden	0	KS 3NW	s 10 w	N 10 NW	N 10 SW
7	Hidden	0	0	0	0	D. Fog w	L. Fog w	s 6 w	s 6 w	0
8	0	0	Hidden	Hidden	Hidden	0	s 3 w	N 10 NE	N 10 NE	N 10
9	0	0	0	0	Hidden	KS 4 w	L. Fog	L. Fog	s 8 NE	N 10 SW
10	0	0	Hidden	Hidden	Hidden	L.Fog sw	L. Fog	N 10	N 10	D. Fog
11	0	0	0	0	0	0	K 2NW	K 3NW	KS 4 w	0
12	0	0	Hidden	Hidden	0	0	0	N 10 w	s 10 SW	0
13	0	0	0	Hidden	0	0	0	KS 4 w	D.Fog SW	K 3 w
14	0	0	0	0	0	0	0	K 4 SW	KS 3 SW	K 3 SW
15	0	0	0	0	0	0	0	K 2 SW	KS 4 w	s 8 NW
16	Hidden	Hidden	Hidden	0	Hidden	N 10	s 10	s 10	KS 4 w	N 10
17	Hidden	Hidden	0	0	0	s 10	N 10 SW	KS 8 SW	KS 8 SW	KS 6 SW
18	0	0	Hidden	0	0	0	0	s 10 SW	s 8 SW	0
19	0	0	0	0	0	0	KS 3NW	K 8 w	K 8 NW	KS 9NW
20	Hidden	0	0	0	0	s 10 w	K 6 w	K 9 w	{KS 3 SW s 6 SW	KS 8 w
21	0	0	0	0	0	0	K 1 w	K 7 SW	K 4 s	s 1 SW
22	Hidden	Hidden	Hidden	0	cs 2	s 10 SW	s 10 SW	s 10	KS 9 SW	s 4 SW
23	0	c 2	0	Hidden	0	0	0	K 7 SW	s 10 s	0
24	0	Hidden	Hidden	Hidden	Hidden	0	D. Fog	{L. Fog s 10 SW	D. Fog	D. Fog
25	0	0	0	Hidden	Hidden	0	K 1 w	KS 6 w	{L. Fog s 10	s 10
26	Hidden	cs 3	Hidden	Hidden	Hidden	s 10	K 5 w	N 10 w	s 10	s 10 w
27	c 8 w	Hidden	Hidden	Hidden	0	0	s 10 NW	N 10	N 10	s 8 w
28	Hidden	0	Hidden	0	0	N 10	K 8 NW	s 10	K 7 NW	s 6 N
29	0	0	0	0	0	s 9 N	K 8 N	K 4 N	K 4 NW	0
30	0	0	Hidden	0	0	0	K 6 N	N 10 NW	KS 4 NW	0
31	0	c 1 w	0	Hidden	0	0	0	K 8 w	N 10	s 1

REMARKS.

May 27. { Hail, B. 1.31 P.M.; E. 1.47 P.M.
Sleet, B. 1.47 P.M.; E. 5.30 P.M.
Snow, B. 5.30 P.M.; E. 8.15 P.M.
28. Sleet, B. D. N.; E. 6.25 A.M.

May 28. Sleet, B. 1.46 P.M.; E. 2.40 P.M.
30. " { B. 12.18 P.M.; E. 1.45 P.M.
E. 2.18 P.M.; E. 2.25 P.M.

May 30. { Hail, B. 2.25 P.M.; E. 2.38 P.M.
Sleet, B. 4.27 P.M.; E. 4.50 P.M.
31. Sleet, B. 4.16 P.M.; E. 6.10 P.M.

JUNE, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.91	.95	.97	.96	.98	.95	29	30	36	34	32	32	36	27	71	74	72	82	85
2	.97	.97	.96	.93	.92	.95	32	33	34	35	31	32	39	29	85	79	82	79	88
3	.90	.89	.93	.93	.94	.92	25	30	32	32	27	28	34	25	82	78	90	85	74
4	.94	.96	.95	.92	.88	.92	24	30	36	37	32	31	38	24	76	74	69	79	92
5	.74	.66	.56	.51	.59	.63	27	30	29	22	16	24	32	16	92	80	84	80	76
6	.58	.58	.68	.70	.73	.66	14	17	27	28	21	21	28	14	71	72	82	74	80
7	.73	.74	.76	.78	.84	.78	18	25	28	26	22	22	29	18	84	80	80	78	80
8	.84	.83	.85	.85	.88	.85	17	22	23	24	23	21	24	17	100	100	98	100	100
9	.82	.86	.87	.87	.84	.84	18	26	26	29	26	23	30	18	89	84	88	84	88
10	.85	.86	.86	.86	.87	.86	22	30	32	34	29	28	35	22	80	78	78	74	72
11	.85	.84	.87	.85	.89	.87	26	33	34	33	28	29	36	25	78	78	74	78	77
12	.88	.86	.90	.91	.94	.90	24	29	33	34	27	28	36	24	76	77	78	76	74
13	.92	.90	.90	.85	.85	.89	22	32	34	32	26	28	35	22	76	76	74	71	70
14	.82	.82	.82	.83	.88	.84	21	28	29	30	26	25	32	21	67	67	67	78	78
15	.88	.91	.90	.94	.99	.93	19	27	30	30	26	25	32	19	86	86	84	80	74
16	.98	1.04	1.07	1.05	1.07	1.04	24	31	37	34	30	30	38	24	73	71	80	73	78
17	1.07	1.07	1.05	1.03	1.00	1.04	28	38	40	37	33	34	42	28	67	68	78	64	78
18	1.01	1.02	1.03	1.00	1.02	1.02	34	41	40	40	33	36	43	31	72	43	56	57	85
19	1.00	1.06	1.05	1.05	1.06	1.04	30	36	40	38	33	34	41	30	78	67	73	74	92
20	1.00	1.07	1.09	1.08	1.09	1.06	28	32	38	33	32	33	40	23	84	81	58	92	83
21	1.12	1.12	1.11	1.08	1.06	1.09	29	35	39	33	32	34	41	29	86	79	79	89	100
22	.98	.98	.94	.88	.92	.95	30	34	35	34	30	32	39	30	100	85	81	96	100
23	.87	.90	.95	.96	.99	.94	25	31	39	38	33	32	40	25	80	86	54	62	100
24	1.00	1.01	1.01	1.03	1.04	1.02	30	35	30	34	31	30	38	29	80	77	92	85	88
25	1.06	1.08	1.07	1.05	1.08	1.07	30	34	36	35	33	33	40	29	84	73	69	75	79
26	1.07	1.09	1.08	1.08	1.10	1.08	31	38	40	43	36	36	44	30	73	62	48	68	65
27	1.10	1.13	1.12	1.12	1.13	1.12	35	38	36	38	33	35	43	32	75	86	87	71	85
28	1.11	1.13	1.12	1.10	1.12	1.12	32	39	32	32	32	32	40	31	86	54	88	100	100
29	1.06	1.06	1.05	1.02	1.02	1.04	29	34	36	34	33	33	36	29	100	85	96	100	100
30	.98	.98	.98	.96	.98	.98	33	37	36	39	34	35	41	33	100	100	100	94	100
Mean	.94	.95	.95	.94	.96	.95	26.2	31.8	33.9	33.4	29.3	29.8	36.7	25.0	82	77	78	80	85

REMARKS.

June 1. Sleet, { B. 11.39 A.M.; E. 12.30 P.M.
 { B. 7.30 P.M.; E. 8.25 P.M.
2. { Sleet, B. 10.10 A.M.; E. 11.00 A.M.
 { Snow, B. 4.25 P.M.; E. 5.12 P.M.

June 2. Sleet, B. 6.15 P.M.; E. 8.20 P.M.
3. " B. 12.55 P.M.; E. 1.10 P.M.
8. " B. 3.30 P.M.; E. 4.00 P.M.
9. Snow, B. D.N.; E. D.N.

June 15. Sleet, B. 4.30 P.M.; E. 4.45 P.M.
19. " B. 10.40 A.M.; E. 12.00 M.
 { B. 7.45 A.M.; E. 8.00 A.M.
20. Sleet, { B. 1.20 P.M.; E. 4.35 P.M.

JUNE, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00										
1	w 45	w 38	w 14	sw 22	w 16	608	.	.02	.04	.06	F	F	Cy	Cy	Cy
2	sw 4	e 7	e 1	e 4	s 15	204	.	T	.03	.03	Cy	Cy	Cy	LS	Cy
3	nw 17	w 24	w 16	w 22	w 36	557	*T	T	T	T	F	F	Sl	F	Cr
4	nw 16	w 11	sw 18	se 12	se 26	532	.	.	.	.	Cr	Cr	F	Cr	Fy
5	s 40	sw 44	sw 52	sw 44	w 56	999	*T	.	.	T	Fy	Cr	Cr	Cr	Cr
6	w 58	w 60	sw 16	s 20	s 8	987	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	sw 6	sw 25	s 26	sw 19	sw 17	546	.	.	.	.	Cr	Cr	Cr	F	F
8	s 8	s 2	sw 16	s 14	se 1	223	*.02	*.01	T	.03	Fy	Fy	Fy	Fy	Fy
9	s 1	s 6	sw 22	sw 25	sw 36	353	.01	.	.	.01	Cr	Cr	Cy	Cr	Cr
10	sw 30	sw 34	sw 40	sw 20	sw 44	756	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	sw 40	sw 20	sw 28	sw 28	sw 16	742	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	s 18	sw 28	sw 20	sw 21	sw 26	583	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	s 25	s 18	se 24	sw 37	sw 28	770	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	sw 40	sw 22	w 40	s 12	nw 15	622	.	.	.	.	Cr	Cr	Cr	F	F
15	sw 22	sw 24	sw 28	sw 14	sw 17	541	*T	.	T	T	F	Cy	F	Cy	Cr
16	w 24	nw 6	sw 7	s 18	sw 18	390	.	.	.	.	Cr	Cr	F	F	Cr
17	w 4	w 8	s 12	w 15	sw 25	221	.	.	.	.	Cr	Cr	Cy	Cr	Cy
18	n 6	ne 4	w 12	sw 12	w 20	293	.	.	.	.	Cr	Cr	F	F	Cr
19	w 36	w 6	sw 19	sw 18	sw 21	562	.	T	.	T	Cr	F	Cy	Cy	Cy
20	w 44	w 17	w 8	nw 14	nw 32	632	.	T	.02	.02	Cy	Cy	Cy	Cy	Cr
21	w 10	sw 16	sw 16	se 12	s 18	543	.	†T	†T	T	Cr	Cy	Cy	Cy	Fy
22	sw 18	0	sw 24	sw 26	w 22	441	‡.03	.04	.02	.09	Fy	Cy	Cy	Sl	Sl
23	w 44	sw 36	sw 20	sw 12	s 15	554	.01	.	.	.01	Cr	Cr	F	F	Fy
24	0	w 4	w 17	sw 14	sw 12	189	.	.03	T	.03	F	Cy	Sl	LS	Cy
25	sw 7	ne 6	s 10	w 16	nw 4	208	.	.05	.06	.11	F	F	Cy	Cy	F
26	w 16	w 16	nw 14	sw 4	ne 14	337	.	.01	.	.01	Cr	Cr	F	Cy	Cy
27	se 8	e 8	se 4	sw 22	w 3	203	.	.05	T	.05	Cr	Cy	Sl	F	Cr
28	ne 4	se 8	ne 7	se 7	e 4	152	*T	.23	.32	.55	Cy	Cy	LS	LS	LS
29	s 12	sw 22	s 12	s 20	se 12	353	.08	.04	.02	.14	Fy	Fy	Fy	Fy	Sl
30	s 18	sw 11	w 10	w 22	w 8	372	.02	.22	.01	.25	Fy	Fy	Sl	Cy	F
Mean	21	18	18	18	20	14473	.17	.70	.52	1.39					

REMARKS.

June 22. Sleet, { B. D. N.; E. D. N.
B. 11.10 A.M.; E. 12.38 P.M.
B. 4.54 P.M.; E. 6.00 P.M.

June 22. Sleet, B. 6.40 P.M.; E. D. N.
24. { Sleet, B. 11.20 A.M.; E. 1.30 P.M.
Snow, B. 4.48 P.M.; E. 5.18 P.M.

June 25. Sleet, { B. 8.08 A.M.; E. 8.35 A.M.
B. 10.02 A.M.; E. 12.20 P.M.
B. 6.25 P.M.; E. 8.16 P.M.

* Frost.

† Fog.

‡ Snow and Frost.

JUNE, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	c 2	c 7	c 1	Hidden	0	k 3 w	0	k 7 w	s 10 w	s 9 w
2	0	Hidden	Hidden	Hidden	0	s 9	s 10 s?	s 10 s	N 10	ks 6
3	c 6 w	c 3 w	Hidden	0	0	0	s 4 w	N 10 w	k 4 w	ks 2 w
4	0	0	0	0	Hidden	0	0	KS 6 sw	k 3 se	D.Fog se
5	Hidden	0	0	0	0	D. Fog s	k 2 sw	k 3 sw	0	0
6	0	0	0	0	0	0	0	KS 3 sw	k 2 sw	ks 3 sw
7	0	0	0	0	0	0	0	KS 3 sw	KS 6 sw	s 4 sw
8	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog s	D. Fog s	D.Fogsw	D. Fog s	D.Fog se
9	0	0	0	0	0	0	0	KS 8 sw	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	k 2 sw	0	0
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	k 3 sw	0	ks 3 sw
14	0	0	0	0	0	0	0	0	KS 4 sw	s 6 w
15	0	0	0	0	0	s 4 sw	k 8 sw	KS 6 sw	KS 8 sw	KS 3 sw
16	0	0	ck 4 sw	0	0	0	0	k 3 sw	KS 4 sw	ks 3 sw
17	0	0	0	cs 2 w	0	0	0	KS 8 sw	0	k 8 sw
18	0	0	0	0	0	0	KS 2 NW	k 7 w	k 5 sw	0
19	0	c 2 w	c 3	c 2	Hidden	0	k 5 w	k 6 w	KS 6 w	s 10
20	cs 6	Hidden	Hidden	Hidden	cs 2	s 2 w	s 10 w	k 10 sw	KS 10 w	0
21	c 3 w	Hidden	Hidden	Hidden	Hidden	0	{ L. Fog s 10	KS 10 sw	{ L. Fog s 10	D. Fog
22	Hidden	Hidden	cs 4 sw	Hidden	Hidden	D. Fog	{ L. Fog s 10	KS 6 sw	N 10	N 10
23	0	cs 1	0	0	Hidden	0	0	k 6 sw	KS 4 sw	D. Fog
24	cs 6 w	Hidden	Hidden	Hidden	Hidden	0	s 10	N 10	N 10	s 10
25	c 2 sw	0	cs 2	0	0	k 3 sw	KS 4 NE	KS 8	s 9	s 7 w
26	0	0	0	0	0	0	k 2 w	k 7 w	{ s 5 w ks 3 w	k 8 sw
27	0	0	Hidden	ck 2 w	0	0	KS 8 s	N 10 s	k 3 w	0
28	Hidden	Hidden	Hidden	Hidden	Hidden	s 10	s 10	N 10	N 10	N 10
29	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	D. Fog	D. Fog	N 10
30	Hidden	Hidden	Hidden	Hidden	0	D. Fog	D. Fog	N 10	s 10 w	{ L. Fog ks 4 w

REMARKS.

June 26. Sleet, { B. 10.17 A.M.; E. 10.40 A.M.
 { B. 11.32 A.M.; E. 11.44 A.M.
27. Hail, B. 12.28 P.M.; E. 1.05 P.M.
28. " B. 10.14 A.M.; E. 10.26 A.M.

June 28. { Sleet, B. 10.26 A.M.; E. 11.50 A.M.
 { Snow, B. 11.50 A.M.; E. D.N.
29. Sleet, { B. 11.45 A.M.; E. 12.05 P.M.
 { B. 8.30 P.M.; E.D.N.

June 30. { Sleet, B. 5.30 A.M.; E. 8.00 A.M.
 { Rain, B. 11.58 A.M.; E. 12.12 P.M.
 { Sleet, B. 12.48 P.M.; E. 1.15 P.M.

JULY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.97	.99	1.02	1.02	1.03	1.01	32	34	41	41	36	36	42	31	86	72	76	79	100
2	1.05	1.07	1.06	1.06	1.08	1.06	34	39	38	33	33	35	41	32	85	82	63	90	85
3	1.10	1.13	1.15	1.13	1.15	1.13	35	41	40	36	36	37	42	33	70	54	74	69	85
4	1.13	1.11	1.07	1.00	.95	1.05	34	38	40	41	29	34	42	29	78	68	79	76	84
5	.94	1.01	1.00	1.01	1.05	1.00	25	32	33	34	32	30	36	24	86	81	92	74	81
6	1.02	1.04	1.07	1.07	1.09	1.06	31	33	41	42	37	36	44	30	85	78	43	52	79
7	1.06	1.09	1.09	1.07	1.08	1.08	34	40	46	48	41	41	49	34	70	73	41	46	67
8	1.07	1.10	1.12	1.12	1.14	1.11	38	42	43	47	43	41	50	37	71	57	68	61	58
9	1.14	1.14	1.14	1.12	1.11	1.13	37	44	48	44	38	41	50	37	79	74	72	89	92
10	1.06	1.08	1.06	1.04	1.08	1.07	33	38	42	34	33	36	43	32	92	89	76	91	100
11	1.06	1.08	1.09	1.08	1.11	1.08	33	38	44	46	40	39	48	33	85	86	74	83	92
12	1.15	1.16	1.19	1.15	1.18	1.17	38	44	51	49	42	44	53	37	72	67	52	77	89
13	1.19	1.21	1.20	1.17	1.19	1.19	39	46	46	46	41	42	51	38	66	55	83	83	79
14	1.16	1.17	1.15	1.12	1.14	1.15	40	47	52	48	43	45	53	39	54	52	52	67	69
15	1.08	1.09	1.06	.96	1.01	1.05	42	50	56	43	40	46	57	40	74	59	44	63	82
16	1.03	1.05	1.05	1.02	1.07	1.05	34	39	47	32	31	37	48	31	80	74	71	100	100
17	1.11	1.13	1.12	1.10	1.11	1.11	35	43	47	47	37	40	51	31	70	69	71	61	92
18	1.12	1.15	1.14	1.13	1.12	1.13	38	46	49	46	41	43	49	36	72	70	66	68	77
19	1.05	1.06	1.08	1.08	1.07	1.06	38	41	45	36	38	40	47	36	88	74	83	100	85
20	1.06	1.10	1.09	1.09	1.09	1.08	37	43	48	37	35	40	48	34	79	69	71	92	97
21	1.08	1.10	1.08	1.06	1.07	1.08	36	42	43	41	38	39	46	34	78	80	82	77	86
22	1.02	1.06	1.06	1.03	1.05	1.04	33	41	41	37	35	36	44	33	79	50	79	66	77
23	1.03	1.04	1.06	1.05	1.07	1.05	34	36	36	37	33	34	39	33	80	69	85	80	94
24	1.01	1.04	1.03	1.02	1.05	1.03	32	36	37	40	35	35	42	32	92	92	100	87	85
25	1.03	1.06	1.07	1.04	1.05	1.05	33	41	48	48	40	41	50	32	75	73	63	61	96
26	1.05	1.08	1.09	1.07	1.12	1.08	36	46	51	41	40	42	52	36	92	64	64	59	79
27	1.14	1.18	1.17	1.16	1.16	1.16	38	46	44	45	38	40	48	37	72	62	86	68	88
28	1.02	1.13	1.16	1.13	1.15	1.11	34	40	49	49	43	42	52	33	89	77	74	77	78
29	1.13	1.14	1.15	1.13	1.15	1.14	38	43	45	40	39	40	48	37	88	81	93	100	93
30	1.14	1.16	1.17	1.15	1.16	1.16	38	44	43	42	40	40	45	37	91	86	95	95	79
31	1.15	1.16	1.18	1.16	1.16	1.16	38	45	47	45	42	42	48	37	79	72	82	71	90
Mean	1.08	1.10	1.10	1.08	1.10	1.09	35.4	41.2	44.6	41.7	37.7	39.3	47.0	34.0	79	71	73	76	85

REMARKS.

July 1. Sleet, B. 8.12 P.M.; E. D. N.
 2. { Sleet, B. 9.55 A.M.; E. 10.15 A.M.
 { Snow, B. 3.30 P.M.; E. 4.40 P.M.
 3. Hall, { B. 4.30 P.M.; E. 4.45 P.M.
 { B. 5.20 P.M.; E. 5.50 P.M.

July 3. Snow, B. 6.00 P.M.; E. 6.10 P.M.
 4. Sleet, { B. 3.30 P.M.; E. 3.35 P.M.
 { B. 5.40 P.M.; E. 6.30 P.M.
 5. " B. 4.20 P.M.; E. 4.25 P.M.
 8. " B. 12.45 P.M.; E. 12.58 P.M.

July 9. Rain, { B. 3.45 P.M.; E. 4.20 P.M.
 { B. 5.15 P.M.; E. 5.45 P.M.
 { B. 10.10 P.M.; E. D. N.
 10. Sleet, B. 5.50 A.M.; E. 6.20 A.M.
 12. Rain, B. 2.03 P.M.; E. 2.05 P.M.

JULY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	SW 14	NW 12	NW 4	NW 10	SW 12	303	.	.	.11	.11	Cr	Cr	Cy	Cy	Sl	
2	N 3	NW 6	N 10	NE 16	NE 8	247	.01	.01	.06	.08	Cy	Cy	Cy	Cy	F	
3	N 6	NE 5	NE 6	E 18	W 7	167	.	.	.04	.04	F	Cr	F	Cy	Cy	
4	NW 12	W 14	NE 8	W 8	W 24	276	.	.	.02	.02	Cr	F	Cy	F	Cy	
5	NE 24	S 11	NE 8	NW 14	N 14	400	.	.	T	T	Cr	F	Fy	Cr	Cr	
6	NE 19	N 24	N 8	N 8	SW 14	355	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	W 10	W 10	N 4	SW 19	S 16	262	.	.	.	.	Cr	Cr	Cr	Cr	F
8	W 26	W 18	W 6	SE 7	E 12	375	.	T	.	T	Cr	Cr	Cy	F	Cy	
9	SW 12	SW 4	S 12	SW 12	W 13	260	.	T	.02	.02	F	Cy	Cy	Fy	F	
10	SW 13	W 20	W 6	N 13	NE 18	305	.03	.01	*T	.04	Cy	Cr	Cy	Cy	Fy	
11	NE 10	N 10	NW 4	W 12	W 22	290	.	.	.	.	Cr	Cr	F	Cy	Cr
12	N 7	N 4	W 8	S 14	W 22	271	.	.	T	T	Cr	Cr	Cr	F	F	
13	N 5	NW 6	NE 7	N 6	NE 8	200	.	T	T	T	Cr	Cr	LH	Cy	Cr	
14	N 15	NW 5	S 4	SW 13	SW 12	287	.	.	T	T	Cr	Cr	Cr	F	Cr	
15	NW 24	SW 10	SW 14	W 44	W 28	571	.	.	.	.	Cr	Cr	F	Cy	F
16	NW 21	W 12	SW 12	W 36	W 30	499	.	.	.09	.09	Cy	F	Cy	HS	LS	
17	N 20	SE 3	SW 13	W 14	SW 20	379	.08	.	.	.08	Cr	Cr	Cr	Cr	Cr	
18	NW 24	E 10	E 6	SE 6	SW 16	365	.	T	.	T	F	Cr	F	Cy	Cr	
19	SW 34	W 14	E 5	NW 21	NW 19	446	.	.	.48	.48	F	Cr	Cy	LR	Cy	
20	N 7	NE 8	SE 12	E 13	W 20	289	.	.	.39	.39	F	F	F	LR	LR	
21	NE 10	NE 4	W 3	W 8	W 9	182	.07	T	.21	.28	Cr	Cr	Sl	F	Cy	
22	NW 20	NE 7	NE 7	NE 16	NE 4	330	.	.	.24	.24	Cr	Cr	Cy	Cy	Cy	
23	W 12	N 8	E 12	NE 11	NE 15	247	.	T	.21	.21	Cy	Cy	Sl	Cy	LS	
24	SW 16	W 14	NW 12	SW 7	NW 8	281	.03	.04	.	.07	Cr	Cy	Fy	Cy	F	
25	NW 20	SW 4	SW 3	SW 12	SW 28	321	.	.	.	.	Cr	Cr	F	F	Fy
26	SW 16	SW 8	SW 13	W 18	W 14	365	.	.	.04	.04	Cr	Cr	Cy	Cy	Cr	
27	W 15	E 7	E 3	E 8	SE 20	183	.	.07	T	.07	Cr	Cr	Cy	Cy	Sl	
28	SW 32	SW 38	SW 8	S 5	SW 8	495	.02	.	.	.02	Cr	Cr	F	F	F	
29	SW 7	SE 3	S 8	E 16	SW 5	173	.	.01	.37	.38	Cr	Cr	Sl	Sl	Cy	
30	W 3	N 4	NE 4	NE 3	NW 10	229	.	.	.01	.01	Cy	Cr	Cy	LR	Cy	
31	NW 7	NE 8	NE 9	NE 8	W 7	170	.	.	.	.	Cr	Cr	Cy	Cr	Cy
Mean	15	10	8	13	15	9523	.24	.14	2.29	2.67						

REMARKS.

July 13. Hail, B. 12.58 P.M.; E. 1.05 P.M.
 14. Sleet, B. 2.20 P.M.; E. 2.25 P.M.
 16. { Hail, B. 3.25 P.M.; E. 3.40 P.M.
 Rain, B. 3.45 P.M.; E. 4.20 P.M.

July 16. Snow, { B. 4.28 P.M.; E. 7.10 P.M.
 B. 8.50 P.M.; E. D. N.
 18. Hail, B. 10.18 A.M.; E. 10.40 A.M.
 19. Sleet, B. 1.46 P.M.; E. 2.10 P.M.

July 19. Rain, B. 2.10 P.M.; E. 5.55 P.M.
 20. { Sleet, B. 2.28 P.M.; E. 3.00 P.M.
 Rain, B. 4.25 P.M.; E. D. N.
 21. Sleet, B. 12.58 P.M.; E. 2.50 P.M.

* Fog.

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JULY, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	0	0	0	Hidden	0	0	KS 9NW	KS 8 W	N 10
2	0	Hidden	cs 5	Hidden	0	s 8	s 10 W	K 4 W	s 10	s 5
3	c 6	0	0	0	0	0	K 1 W	KS 7NW	KS 8NW	KS 8 W
4	CK 3 W	CS 4 W	0	0	0	0	0	KS 9NW	s 6 W	s 9 W
5	0	0	Hidden	0	0	0	s 6 SW	D.FogNW	K 2NW	0
6	0	0	0	0	0	0	0	0	K 3NW	0
7	0	c 1 W	0	c 2 SW	0	0	0	0	0	KS 4SW
8	0	c 3 W	0	0	0	0	0	KS 8 W	KS 7 SW	s 8 SW
9	0	0	0	Hidden	0	KS 6 SW	KS 9 SE	KS 9 SW	D.Fog SW	KS 5 W
10	Hidden	0	0	0	Hidden	s 10	K 2 W	KS 9 W	s 8 NW	D.FogNE
11	0	0	0	Hidden	0	0	K 2NW	K 4NW	s 10	s 3 W
12	0	0	0	0	0	0	0	K 2 W	KS 6 SW	K 6 W
13	0	0	Hidden	0	0	0	K 2 W	N 10NW	KS 8NW	0
14	0	0	0	0	0	0	0	KS 3 SW	K 4 SW	0
15	0	c 2 SW	0	0	0	0	0	KS 5 SW	KS 9 W	s 6 W
16	0	0	Hidden	Hidden	Hidden	s 8 NW	KS 7 W	s 10 SW	N 10 W	N 10 W
17	0	c 3 SE	0	0	0	0	0	K 3 SW	K 2 W	L. Fog
18	cs 4	CS 1	0	0	0	0	K 1 SE	KS 6 SW	KS 8 s	s 2 SW
19	0	0	0	Hidden	0	s 5 W	0	K 9 W	N 10	s 9
20	cs 7	0	0	Hidden	Hidden	0	s 6	K 7 W	N 10	N 10
21	c 1 N	0	Hidden	c 6 W	0	s 2	K 2 N	N 10	0	s 8 W
22	0	0	Hidden	Hidden	0	0	0	s 10 N	s 10 W	s 9
23	Hidden	cs 8	0	cs 1	Hidden	s 10	0	N 8 SW	KS 9 N?	N 10
24	0	c 3	Hidden	Hidden	0	K 2 W	K 5 W	D. Fog	s 10 W	s 4 W
25	0	0	0	c 2	Hidden	0	0	K 6 SW	K 2 SW	D. Fog
26	0	0	0	Hidden	0	s 1 W	0	K 9 SW	s 10 W	s 3
27	0	0	Hidden	Hidden	Hidden	0	K 1 s	s 10	s 10	N 10
28	0	0	0	0	0	L. Fog W	0	K 7 SW	KS 7 SW	KS 5 SW
29	0	0	Hidden	Hidden	0	0	L. Fog	{L. Fog {N 10	{L. Fog {N 10	{L. Fog {s 9
30	c 1	0	Hidden	Hidden	Hidden	s 7 W	{L. Fog {K 2 N	{L. Fog {s 10	{L. Fog {N 10	{s 10
31	0	0	0	0	Hidden	0	0	{L. Fog {K 9 NW	K 2	{L. Fog {s 10

REMARKS.

July 22. Sleet, Hail, and Snow, { B. 1.20 P.M.; E. 3.14 P.M.	July 24. Sleet, B. 12.07 P.M.; E. 12.35 P.M. 26. Rain, B. 2.48 P.M.; E. 3.50 P.M.	July 27. Sleet, B. 8.56 P.M.; E. D. N.
23. { Sleet, B. 12.56 P.M.; E. 1.10 P.M. { Sleet and Snow, B. 5.48 P.M.; E.D.N.	27. { Rain and Sleet, { B. 11.38 A.M.; E. 12.50 P.M.	29. " B. 10.58 A.M.; E. 8.05 P.M. 30. Rain, B. 4.54 P.M.; E. 5.08 P.M.

AUGUST, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	1.13	1.16	1.17	1.14	1.15	1.15	39	43	46	44	40	42	48	38	84	68	76	93	100
2	1.11	1.10	1.14	1.12	1.15	1.13	38	42	49	46	44	44	51	38	86	55	61	83	86
3	1.17	1.15	1.14	1.14	1.15	1.15	41	47	50	46	41	44	51	40	75	89	78	83	67
4	1.14	1.15	1.16	1.11	1.10	1.13	40	44	52	42	37	43	52	37	79	60	59	80	89
5	1.05	1.02	1.09	1.00	1.01	1.05	35	38	41	38	36	37	42	35	72	79	86	92	86
6	.99	.97	1.02	1.02	1.01	1.01	35	36	42	46	40	39	48	33	79	82	80	78	92
7	.91	.96	1.00	.96	.95	.95	33	38	43	40	36	37	44	33	78	86	89	82	85
8	.95	1.01	1.08	1.03	1.07	1.04	33	34	39	36	35	36	42	33	100	85	79	86	96
9	1.08	1.10	1.10	1.08	1.09	1.09	32	34	43	44	38	38	45	32	85	72	55	69	92
10	1.05	1.06	1.07	1.04	1.06	1.06	34	38	45	40	35	38	47	34	86	74	64	77	86
11	1.04	1.07	1.09	1.08	1.09	1.07	32	39	47	36	35	38	48	32	85	69	61	100	87
12	1.07	1.10	1.12	1.11	1.15	1.11	32	37	40	35	35	36	41	32	100	57	77	79	79
13	1.13	1.17	1.16	1.15	1.17	1.16	32	37	43	41	36	37	44	32	96	79	78	89	77
14	1.15	1.17	1.17	1.16	1.17	1.16	35	41	42	41	38	38	44	34	53	43	51	43	80
15	1.13	1.15	1.14	1.15	1.15	1.14	36	40	44	40	38	40	45	36	67	53	45	82	58
16	1.14	1.18	1.18	1.17	1.18	1.17	36	41	44	42	40	40	46	36	69	50	41	48	59
17	1.18	1.20	1.20	1.19	1.20	1.19	36	44	47	44	37	40	48	36	66	53	61	53	79
18	1.19	1.22	1.20	1.20	1.21	1.20	36	44	47	38	35	40	48	35	74	58	61	92	96
19	1.13	1.12	1.12	1.10	1.09	1.11	33	38	43	46	39	38	47	33	81	72	64	62	86
20	1.02	1.03	1.02	1.01	1.02	1.02	36	38	44	40	34	38	44	31	74	82	68	86	100
21	.99	1.03	1.03	1.00	1.02	1.01	32	37	44	38	35	37	44	32	92	92	83	100	100
22	.96	1.00	1.02	.96	.95	.98	32	36	39	36	36	36	40	32	100	100	92	96	100
23	.90	.95	.95	.93	.95	.93	31	32	38	38	34	34	39	31	96	88	86	96	92
24	.92	.97	.98	.96	.99	.96	33	34	39	37	34	35	39	33	81	85	86	95	100
25	.99	1.00	.98	.96	1.00	.99	32	35	40	37	31	35	41	32	100	100	88	100	100
26	.97	.99	.99	.99	1.02	.99	28	32	33	32	29	30	35	28	92	92	90	100	94
27	1.01	1.04	1.05	1.03	1.04	1.03	26	32	39	37	33	33	41	26	89	85	79	88	100
28	1.02	1.02	1.02	.99	1.01	1.02	29	33	38	34	30	32	40	29	92	73	80	100	88
29	.98	1.02	1.03	1.02	1.03	1.01	27	30	35	37	31	31	40	26	100	88	79	92	94
30	1.03	1.04	1.06	1.04	1.06	1.05	29	32	36	35	30	32	37	29	87	85	91	82	87
31	1.06	1.07	1.07	1.06	1.08	1.07	29	34	37	34	32	32	37	29	90	85	81	85	85
Mean	1.05	1.07	1.08	1.06	1.07	1.07	33.3	37.5	42.2	39.4	35.7	37.1	43.9	32.7	84	76	73	84	88

REMARKS.

Aug. 1. Rain, B. 8.52 P.M.; E. D. N.
 4. Sleet, B. 1.30 P.M.; E. 2.20 P.M.
 { Rain, B. 10.05 A.M.; E. 10.20 A.M.
 5. { Sleet, B. 2.30 P.M.; E. 2.35 P.M.
 { Rain, B. 2.35 P.M.; E. 2.45 P.M.

Aug. 6. Rain, B. 7.45 P.M.; E. D. N.
 7. " B. 4.10 P.M.; E. 4.20 P.M.
 8. Sleet, B. 2.55 P.M.; E. 6.10 P.M.
 10. Hail, B. 11.37 A.M.; E. 11.54 A.M.
 11. " B. 1.50 P.M.; E. 2.06 P.M.

Aug. 11. Sleet, { B. 2.06 P.M.; E. 2.25 P.M.
 { B. 4.14 P.M.; E. 4.44 P.M.
 12. { Sleet, B. D. N.; E. D. N.
 { Snow, B. 2.15 P.M.; E. 2.25 P.M.
 13. Sleet, B. 3.18 P.M.; E. 3.34 P.M.

AUGUST, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	W 24	NW 11	N 6	NE 10	N 8	319	.	.	T	T	Cr	F	F	Fy	LR	
2	W 34	NW 30	N 12	NW 6	W 8	408	T	.	.	T	Cr	Cr	Cr	Cr	Cr	
3	NW 36	NE 24	E 4	NE 8	W 28	436	.	.	.	.	Cr	Cr	F	Cy	Cr
4	N 24	N 10	s 5	W 26	NW 24	400	.	.	.02	.02	Cr	Cr	Cy	F	Cr	
5	W 32	NW 36	W 29	NW 26	NW 25	665	.	.03	.04	.07	F	Cr	Cy	Cy	Cr	
6	NW 21	W 46	W 36	W 7	SW 24	621	.	.	.06	.06	F	Cy	F	Cy	LR	
7	W 46	W 24	W 19	W 25	W 18	625	.02	.	.01	.03	F	Cr	Cy	Cy	Cr	
8	W 16	W 15	W 6	W 25	W 8	468	.	.	.16	.16	Fy	Cr	Cy	Sl	Cy	
9	W 12	NW 16	W 10	SW 12	SW 16	293	*T	.	†T	T	Cr	Cr	Cy	Cr	Fy	
10	W 23	W 29	SW 11	W 28	W 25	476	.	.06	.	.06	Cr	Cr	Cy	Cy	Cr	
11	NW 23	W 8	SW 9	s 21	SW 11	350	.	.	.23	.23	Cy	Cr	Cy	Cy	Cy	
12	W 19	NE 14	NW 4	NW 9	NE 4	312	.04	.	T	.04	Fy	Cr	Cy	F	Cr	
13	W 16	NW 4	N 6	NE 6	N 8	176	†T	†T	.02	.02	Fy	Cr	F	Cy	Cr	
14	N 10	NE 1	NW 6	NE 14	NE 9	222	.	.	.	.	Cr	Cr	F	Cr	Cr
15	NE 15	NE 14	NE 8	NE 18	NE 14	286	.	T	.	T	Cr	Cr	F	F	F	
16	N 6	NE 13	NE 9	E 16	SW 9	232	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	NE 12	NE 14	E 16	SE 3	NW 18	290	.	.	T	T	Cr	Cr	F	Cy	F	
18	NW 4	NE 6	E 10	SW 18	SW 12	239	.	.	.05	.05	F	Cr	F	LS	F	
19	NW 25	NW 24	N 6	W 6	W 16	423	.	.	T	T	Cy	Cr	Cr	F	F	
20	NW 22	NW 22	NE 8	W 12	W 21	382	.	.	.07	.07	Cr	F	Cy	Cy	Cy	
21	W 32	W 30	SW 13	SW 23	SW 24	557	.	.	.08	.08	Cr	F	F	Sl	Cy	
22	W 25	s 20	W 7	W 16	W 28	535	.	.	.09	.09	Cy	Fy	Cy	Cy	Fy	
23	W 40	NW 20	NW 15	SW 9	W 28	579	.	.01	.03	.04	Cy	Cr	F	Cy	F	
24	W 16	N 6	W 12	SW 8	SW 16	305	*T	.	.14	.14	F	F	Cy	Sl	Fy	
25	s 10	W 12	W 13	SW 20	NW 1	307	.06	.02	.16	.24	Sl	Fy	Fy	Fy	Fy	
26	W 15	NW 1	NW 16	NW 5	NW 12	205	†T	.	.21	.21	Cr	F	F	Fy	Cr	
27	W 18	0	SE 2	s 10	s 16	212	*T	.	.02	.02	Cr	Cr	F	Cy	Fy	
28	NW 12	W 13	NW 7	E 4	N 20	313	.	.	.01	.01	Cr	Cr	F	LS	Cr	
29	W 22	W 4	N 8	s 12	N 14	304	*T	.	.37	.37	Fy	Cr	F	Sl	Cr	
30	NW 16	NE 12	N 5	W 18	NW 16	304	.	.	.02	.02	Cr	Cr	F	Cy	Cr	
31	NE 8	N 4	NW 6	N 6	N 7	199	.	.	.01	.01	Cr	F	Cy	F	Cr	
Mean	20	16	10	14	16	11441	.12	.12	1.80	2.04						

REMARKS.

Aug. 15. Hail, B. 12.31 P.M.; E. 12.42 P.M.
 17. Snow, B. 8.30 P.M.; E. 8.35 P.M.
 18. " B. 3.20 P.M.; E. 7.30 P.M.
 19. Sleet, B. 3.00 P.M.; E. 3.06 P.M.

Aug. 20. { Sleet, B. 1.45 P.M.; E. 3.30 P.M.
 " B. 6.30 P.M.; E. 7.00 P.M.
 Snow, B. 7.20 P.M.; E. 8.48 P.M.
 21. Sleet, B. 4.45 P.M.; E. 5.50 P.M.

Aug. 21. Rain, B. 6.10 P.M.; E. 7.30 P.M.
 22. " B. 1.20 P.M.; E. 4.00 P.M.
 23. { Sleet, 12.10 P.M.; E. 12.20 P.M.
 Hall, 4.30 P.M.; E. 4.45 P.M.

* Frost.

† Fog.

‡ Frost and Fog.

AUGUST, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	0	c 3 NW	Hidden	Hidden	0	K 7 W	K 4 NW	D. Fog N	N 10
2	0	0	0	0	0	0	0	K 3 W	0	0
3	0	0	0	0	0	0	0	K 5 NE	KS 8 NW	KS 3 W
4	0	CK 3 NW	0	0	0	0	0	s 8 SW	KS 5 W	KS 3 NW
5	0	0	0	0	0	KS 6 W	KS 3 NW	KS 8 W	KS 8 NW	s 2 NW
6	0	0	0	0	Hidden	s 7 W	KS 8 W	KS 7 W	KS 8 W	N 10 SW
7	0	0	0	0	0	KS 6 W	KS 3 W	s 8 W	KS 8 W	s 3 W
8	Hidden	0	0	Hidden	Hidden	D. Fog w	KS 3 W	s 8 W	N 10	{ L. Fog { s 10
9	0	0	0	0	Hidden	0	0	K 8 W	K 3 SW	D. Fog
10	0	0	c 2 W	0	0	0	0	KS 6 W	s 8 W	s 1
11	c 6 W	0	0	c 2 s	Hidden	s 2 W	0	KS 8 W	KS 6 NW	s 10
12	Hidden	0	0	0	0	D. Fog	0	KS 9 NW	KS 4 W	0
13	Hidden	0	0	0	0	D. Fog	0	K 7 NW	{ L. Fog E { KS 9 N	0
14	0	c 2 NW	0	c 1 NW	0	0	0	K 7 NW	0	0
15	0	0	0	0	0	0	K 2 N	KS 7 NW	KS 6 NW	KS 4 NE
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	KS 3 NE	0	s 6 E	s 8	KS 5 NW
18	0	0	0	Hidden	0	s 6	0	KS 6 E	N 10	KS 6 SW
19	0	0	0	0	0	KS 8 W	0	K 3 NE	KS 7 W	KS 6 W
20	0	0	0	0	Hidden	K 3 NW	K 5 NW	K 8 NE	KS 9 W	s 10 W
21	0	0	0	Hidden	Hidden	KS 3 W	K 4 W	K 4 SW	N 10	s 10 SW
22	Hidden	Hidden	Hidden	Hidden	Hidden	s 10 W	D. Fogsw	s 10	s 10 W	D. Fog w
23	0	0	0	0	cs 2 W	s 8	0	K 6 NW	s 9 SW	K 4 W
24	0	0	0	Hidden	Hidden	K 4 W	K 5 NW	KS 8 W	N 10	D. Fog
25	Hidden	Hidden	Hidden	Hidden	Hidden	{ L. Fog { N 10	D. Fog	D. Fog	D. Fog	D. Fog
26	0	0	0	Hidden	0	0	K 6 W	K 5 W	D. Fog	L. Fog
27	0	0	0	Hidden	Hidden	0	0	K 6 S	s 10	D. Fog
28	0	0	c 2	Hidden	0	0	0	K 5 NW	N 10	s 1 NW
29	Hidden	0	0	Hidden	0	D. Fog	0	K 4 NW	N 10	s 2 NW
30	0	0	0	0	0	0	0	KS 7 NW	s 8 W	0
31	0	0	0	0	0	0	K 4 NW	KS 8 NW	KS 5 NW	0

REMARKS.

Aug. 24. Sleet, { B 2.15 P.M.; E. 5.12 P.M.
 { B. 6.40 P.M.; E. 8.20 P.M.
25. { Sleet, B. D. N.; E. 5.10 A.M.
 { Snow, B. 5.06 P.M.; E. 7.30 P.M.
26. Sleet, B. 1.18 P.M.; E. 4.24 P.M.

Aug. 26. Sleet, B. 5.15 P.M.; E. 7.40 P.M.
27. { Snow, B. 5.18 P.M.; E. 5.30 P.M.
 { Sleet, B. 8.12 P.M.; E. 8.36 P.M.
28. Snow, B. 4.50 P.M.; E. 5.25 P.M.
29. Sleet, B. 4.18 P.M.; E. 5.46 P.M.

Aug. 29. Hail, B. 5.46 P.M.; E. 6.20 P.M.
30. Sleet, { B. 1.16 P.M.; E. 2.14 P.M.
 { B. 5.25 P.M.; E. 6.50 P.M.
31. Sleet, B. 3.15 P.M.; E. 4.24 P.M.

SEPTEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean. of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	1.07	1.09	1.08	1.04	1.05	1.07	28	33	38	36	32	33	39	27	100	79	82	79	78
2	1.00	1.01	1.01	.98	.97	.99	28	32	38	36	31	32	40	28	80	78	79	74	100
3	.93	.94	.97	.97	.98	.96	28	32	38	40	34	33	41	28	80	78	72	66	79
4	.96	.98	.92	.95	.97	.95	30	35	33	36	31	31	37	30	84	72	82	92	92
5	.90	.94	.92	.89	.85	.89	27	33	37	30	27	30	38	27	88	74	87	96	98
6	.90	.92	.90	.88	.88	.89	24	29	36	35	31	30	39	23	86	84	66	73	85
7	.72	.70	.75	.73	.80	.76	26	22	24	22	20	23	31	20	92	80	86	80	86
8	.86	.88	.87	.92	.92	.88	19	21	29	32	26	25	33	19	74	73	61	79	73
9	.92	.93	.92	.92	.91	.92	23	25	33	36	30	28	37	23	73	74	80	61	61
10	.88	.86	.86	.83	.82	.86	25	28	40	39	30	32	41	24	57	67	62	55	78
11	.73	.72	.68	.65	.66	.69	26	31	34	28	24	28	37	24	70	71	77	67	96
12	.68	.73	.74	.72	.77	.73	18	24	22	16	13	18	24	13	79	68	92	67	64
13	.88	.94	.96	.97	1.01	.95	22	32	34	32	30	29	35	13	76	81	72	81	80
14	1.11	1.10	1.10	1.08	1.13	1.11	27	33	40	37	31	33	40	25	72	78	67	80	78
15	1.14	1.11	1.09	1.08	1.08	1.10	29	35	40	40	35	35	43	29	67	69	70	63	71
16	1.03	1.07	1.05	1.05	1.07	1.05	30	35	41	40	37	36	42	30	78	66	73	76	79
17	1.11	1.12	1.12	1.11	1.13	1.12	31	39	46	41	36	38	47	31	72	77	44	67	79
18	1.12	1.16	1.12	1.11	1.11	1.12	33	38	41	40	35	36	44	33	81	66	49	64	74
19	1.07	1.09	1.09	1.10	1.10	1.08	32	36	41	42	37	37	47	32	85	81	79	53	66
20	1.09	1.11	1.10	1.11	1.12	1.10	34	39	42	37	36	37	42	33	72	56	52	64	69
21	1.12	1.15	1.14	1.15	1.17	1.14	33	37	42	40	37	37	42	33	85	68	50	54	61
22	1.17	1.19	1.18	1.15	1.15	1.17	34	38	43	41	34	37	44	33	87	64	68	68	72
23	1.12	1.12	1.10	1.07	1.06	1.09	35	36	44	43	37	38	45	34	74	69	53	58	64
24	1.02	1.02	.96	.94	.92	.97	33	38	40	38	33	35	40	33	85	60	62	72	83
25	.85	.88	.87	.87	.88	.87	30	36	42	41	33	35	42	30	85	73	67	73	71
26	.84	.87	.86	.86	.86	.85	27	33	29	25	25	27	33	24	94	87	100	100	100
27	.82	.81	.81	.81	.84	.82	21	18	20	21	21	20	25	17	100	100	97	100	100
28	.84	.87	.92	.95	.98	.91	19	23	27	27	24	23	28	18	100	100	89	96	100
29	.98	1.00	.99	.99	1.01	.99	23	27	34	29	27	28	34	23	98	96	82	88	100
30	.99	1.01	.98	.99	1.00	.99	24	28	27	25	25	25	29	24	100	100	100	100	100
Mean	.96	.98	.97	.96	.97	.97	27.2	31.5	35.8	34.2	30.1	31.0	38.1	26.1	82	76	73	75	81

REMARKS.

Sept. 1. Sleet, B. 1.30 P.M.; E. 1.54 P.M.
 2. " B. 1.50 P.M.; E. 1.56 P.M.
 4. { Sleet, B. 12.20 P.M.; E. 12.40 P.M.
 { Hail, B. 2.40 P.M.; E. 2.50 P.M.

Sept. 5. Sleet, B. 11.40 A.M.; E. 11.54 A.M.
 7. Snow, { B. D.N.; E. D.N.
 { B. 5.30 A.M.; E. 6.20 A.M.
 11. Sleet, B. 12.10 P.M.; E. 12.15 P.M.

SEPTEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.							Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.						Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	W 20	NE 8	W 11	W 23	N 20	312	*T	.	.01	.01	Fy	Cr	Cr	Cr	Cr	
2	N 30	N 27	W 10	SW 17	SW 24	506	.	.	T	T	Cr	Cr	Cr	F	Fy	
3	W 40	NW 30	NW 18	NW 4	NW 11	528	.	.	.	.	Cr	Cr	F	F	Cy
4	W 26	SW 18	W 19	W 5	NW 12	401	.	.04	.02	.06	Cy	Cr	F	Cy	Cy	
5	SW 14	SW 13	SW 16	SW 14	W 34	462	*T	.01	*T	.01	Cy	Cr	Cy	Cy	Cy	
6	W 20	W 2	SW 16	SW 14	SW 14	405	*.01	.	.	.01	F	Cy	Cy	Cy	F	
7	SW 32	W 28	N 14	NW 18	NW 28	519	.09	T	.	.09	Fy	Cy	F	Cr	Cr	
8	NW 14	W 16	W 10	W 13	W 27	408	.	.	.	.	Cr	Cr	Cr	F	Cr
9	NW 14	NW 19	W 8	NW 16	W 8	451	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	W 33	W 40	SW 15	SW 16	W 20	506	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	SW 33	S 13	SW 22	W 20	SW 28	699	.	T	.06	.06	Cr	Cr	F	Cy	Cr	
12	SW 16	W 17	W 25	NW 23	W 44	545	.	T	.01	.01	Cy	Cy	Cy	Cr	Cr	
13	NW 28	N 34	NW 38	W 48	NW 40	942	.	.	.	.	Cr	Cr	F	F	Cr
14	S 15	SE 6	SW 14	SW 24	W 20	431	.	.	.	.	F	Cr	Cr	Cr	Cr
15	SW 29	W 10	SW 9	NW 5	NW 10	346	.	.	.	.	Cr	Cr	Cr	F	Cr
16	NW 25	N 8	NW 3	N 3	NE 6	308	.	.	T	T	Cr	Cr	Cr	F	Cr	
17	S 14	S 8	SW 4	S 4	W 12	214	.	.	.	.	Cr	Cr	Cr	F	Cr
18	0	0	SW 1	SW 9	SW 18	175	.	.	T	T	Cr	Cr	F	Cy	Cy	
19	N 1	0	NE 4	SW 1	SW 12	68	.	.	.	.	Cr	Cr	Cy	F	Cr
20	W 5	NE 4	NE 3	NE 12	E 1	158	.	.	.	.	Cr	Cr	Cy	Cy	Cy
21	N 1	NE 4	NE 5	NE 6	NE 16	142	.	.	.	.	Cr	Cr	F	Cr	Cr
22	NE 16	E 7	E 7	SW 21	SW 22	324	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	NW 16	NW 12	E 1	0	SW 1	243	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	0	E 4	SE 1	SW 10	SE 16	119	.	.02	.	.02	Cr	Cr	Cy	F	Cr	
25	W 44	SW 12	W 13	S 4	W 16	480	.	.	.	.	Cr	Cr	Cr	Cr	Cr
26	W 18	SW 4	SW 12	E 19	SW 14	386	.	.05	.25	.30	F	Cy	Fy	LS	Fy	
27	SW 7	W 16	0	NE 14	N 14	216	.16	.08	†T	.24	Fy	LS	Cy	Fy	Fy	
28	NE 8	NE 8	NE 7	N 8	NW 12	256	†T	†T	†T	T	Cy	Fy	F	Cy	Fy	
29	W 15	S 7	S 13	S 14	S 9	261	†T	.	†T	T	F	Cr	Cy	F	Fy	
30	S 7	S 1	E 5	E 9	E 10	145	.04	.09	.10	.23	Fy	Fy	Sl	Sl	Sl	
Mean	18	12	11	13	17	10956	.30	.29	.45	1.04						

REMARKS.

Sept. 11. Sleet, B. 1.40 P.M.; E. 1.55 P.M.

12. " { B. 11.50 A.M.; E. 12.05 P.M.
 { B. 2.04 P.M.; E. 2.16 P.M.

* Frost.

Sept. 16. Snow, B. 3.20 P.M.; E. 3.25 P.M.

18. Sleet, B. 6.44 P.M.; E. 6.48 P.M.

24. " B. 10.05 A.M.; E. 12.25 P.M.

† Fog.

SEPTEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	Hidden	0	0	0	0	D. Fog	0	KS 3 W	K 2 W	0
2	0	0	0	0	Hidden	0	0	K 3 W	KS 6 SW	D. Fogsw
3	0	CS 3 W	0	CK 4 NW	Hidden	0	0	KS 7 NW	0	s 10
4	0	CS 3 SW	0	0	0	KS 8 W	0	K 7 NW	KS 9 W	KS 9 NW
5	0	0	0	Hidden	0	KS 8 W	K 3 SW	S 8 SW	S 10 SW	S 9 W
6	0	0	0	0	0	KS 7 W	S 8 W	S 9	S 9 SW	KS 5 SW
7	Hidden	0	0	0	0	D. Fog w	S 9 W	KS 6 NW	K 3 NW	0
8	0	0	0	0	0	0	0	0	KS 6 W	0
9	0	0	0	CK 3 NW	0	0	0	K 2 W	0	0
10	c 2 W	0	0	0	0	0	0	0	K 2 SW	K 3 W
11	0	0	0	0	0	KS 2 SW	0	S 4 SW	S 8 W	K 2 SW
12	0	0	0	0	0	S 9 SW	KS 8 W	S 9 W	KS 3 W	0
13	0	0	C 4 NW	C 3 W	0	0	0	0	KS 2 W	0
14	0	0	0	0	0	KS 4 SW	0	K 2 SW	0	0
15	0	0	0	0	0	0	0	KS 2 SW	K 6 NW	KS 3 NW
16	0	0	0	0	0	0	0	KS 2 NW	KS 6 NW	KS 2 NW
17	0	0	0	0	0	0	0	K 3 SW	K 4 SW	S 1 W
18	0	0	0	Hidden	0	0	0	S 7 SW	KS 10 W	S 8
19	0	0	0	0	0	0	0	K 8 N	K 7 W	S 2 W
20	0	0	0	0	Hidden	0	0	KS 8 W	KS 9 NW	S 10
21	0	0	0	0	0	0	0	K 4 N	0	0
22	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	K 1	KS 3	S 1
24	0	0	Hidden	0	0	0	K 3 SE	S 10 S	KS 6 SW	0
25	0	0	0	CK 1 SW	0	0	0	K 2 SW	K 2 S	0
26	0	Hidden	Hidden	Hidden	Hidden	S 7 W	S 10 SW	D. Fog	N 10	D. Fog
27	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	N 10	KS 10 NW	D. Fog	D. Fog
28	Hidden	Hidden	0	Hidden	Hidden	{L. Fog s 10	D. Fog	K 4 N	{L. Fog ks 10 N	D. Fog
29	0	0	0	0	Hidden	S 6	K 3 SW	KS 9 W	KS 5 SW	D. Fog
30	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	N 10	N 10	N 10

REMARKS.

Sept. 26. { Sleet, B. 10.06 A.M.; E. 10.10 A.M.
" B. 11.00 A.M.; E. 12.25 P.M.
Snow, B. 2.10 P.M.; E. 7.40 P.M.
27. Snow, B. D. N.; E. D. N.

Sept. 27. Snow, B. 5.40 A.M.; E. 9.38 A.M.
B. D. N.; E. D. N.
Sept. 30. Sleet, { B. 10.24 A.M.; E. 2.30 P.M.
B. 4.34 P.M.; E. D. N.

OCTOBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.99	1.01	1.00	1.01	1.02	1.00	22	23	23	26	24	25	29	20	85	90	92	92	97
2	1.00	1.03	1.02	.99	.98	1.00	24	27	33	31	26	27	36	24	94	89	73	85	96
3	.92	.90	.88	.89	.91	.90	21	20	23	26	25	23	27	20	100	98	96	84	80
4	.88	.87	.91	.92	.93	.91	24	25	31	30	27	27	31	24	80	80	70	74	74
5	.90	.94	.96	.98	1.01	.96	24	25	31	31	28	27	33	23	86	73	73	66	77
6	1.00	1.02	1.01	.99	.99	1.00	26	28	33	33	29	29	34	26	67	64	71	68	72
7	.98	1.02	1.02	1.00	1.02	1.01	26	28	35	31	28	30	35	26	67	64	72	71	67
8	1.02	1.02	1.01	.99	.98	1.00	25	29	35	33	28	30	35	24	68	64	69	78	64
9	.92	.89	.84	.78	.72	.83	23	28	35	31	25	28	35	23	73	79	66	74	81
10	.70	.69	.65	.60	.65	.66	23	20	20	19	16	20	25	15	89	91	100	86	82
11	.64	.63	.66	.68	.71	.67	2	1	6	4	1	3	16	0	83	83	83	100	91
12	.75	.75	.72	.85	.88	.78	1	10	18	19	20	13	22	- 1	93	89	80	80	75
13	.90	.91	1.03	.94	.95	.96	20	23	27	27	24	24	28	20	66	68	67	74	73
14	.96	.95	.94	.92	.89	.93	22	26	31	28	26	26	31	20	68	65	74	63	73
15	.91	.90	.92	.94	.93	.92	23	25	30	30	27	27	32	23	73	76	70	62	74
16	.92	.95	.93	.89	.91	.92	25	28	34	33	26	28	34	24	79	60	75	85	84
17	.86	.82	.80	.78	.75	.80	24	25	27	23	20	24	27	20	80	100	100	100	100
18	.68	.64	.66	.71	.74	.70	16	9	13	15	12	14	22	9	100	100	100	100	92
19	.73	.71	.67	.68	.67	.69	11	12	14	14	14	13	15	11	84	87	100	100	92
20	.65	.69	.74	.80	.84	.74	9	9	15	18	19	14	19	9	100	84	67	70	56
21	.86	.89	.89	.89	.92	.89	20	20	23	21	20	21	25	18	74	76	82	91	80
22	.92	.93	.91	.92	.93	.92	16	18	23	22	20	20	24	16	88	91	86	85	86
23	.88	.91	.87	.86	.82	.86	18	19	24	22	20	21	24	18	93	91	82	86	86
24	.75	.75	.80	.84	.90	.82	12	9	14	16	15	14	20	9	89	100	100	100	100
25	.88	.89	.88	.89	.91	.89	17	22	22	22	19	19	22	14	82	72	73	80	90
26	.87	.89	.88	.86	.84	.86	17	20	24	24	19	20	26	17	81	69	68	90	91
27	.76	.78	.78	.79	.80	.78	16	14	14	14	14	15	20	14	83	81	76	74	54
28	.81	.75	.86	.87	.84	.84	19	21	23	23	21	21	24	14	85	65	72	73	73
29	.84	.90	.89	.87	.81	.85	22	27	28	26	24	24	29	20	80	74	83	88	80
30	.77	.78	.80	.76	.76	.78	20	22	28	23	19	22	28	19	86	85	85	80	82
31	.65	.67	.77	.80	.80	.74	9	5	9	9	10	9	19	5	84	88	54	61	87
Mean	.85	.86	.86	.86	.86	.86	18.6	20.0	24.2	23.4	20.9	21.2	26.8	16.9	82	80	79	81	81

REMARKS.

Oct. 1. Snow, B. D. N.; E. D. N.
10. " B. 11.58 A.M.; E. 1.40 P.M.

Oct. 11. Snow, B. 5.15 P.M.; E. 5.25 P.M.
17. " B. D. N.; E. D. N.

OCTOBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	E 3	N 10	N 3	NE 11	NE 15	174	.05	.	†T	.05	Cr	Cr	F	Cr	Cr	
2	NE 20	NE 10	NW 3	W 7	W 25	354	.	.	.	.	Cr	Cr	F	Cr	Cy
3	NE 20	NE 16	NW 20	N 32	N 28	537	*T	.	.	T	Fy	F	F	Cr	Cr	
4	N 36	NW 54	NE 12	NW 12	NW 27	676	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	NW 34	NW 26	W 8	NW 17	W 14	557	.	.	.	.	F	F	F	Cr	Cr
6	NW 18	N 22	W 8	W 13	NW 13	384	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	NE 8	N 3	S 7	W 18	W 19	312	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	W 30	W 22	S 6	SW 12	SW 17	515	.	.	.	.	Cr	Cr	Cr	F	Cr
9	W 32	W 23	SW 12	SW 13	SW 22	450	.	.	.	.	Cr	F	F	F	Cr
10	NW 4	W 13	W 15	W 56	W 54	575	.	.02	.01	.03	Cy	Cy	LS	F	Cr	
11	NW 29	NW 18	NW 8	NW 8	NW 12	429	.	.	T	T	Cy	F	F	Cy	Cy	
12	E 32	NE 30	NW 23	W 24	N 24	613	.	.	.	.	Cy	Cr	Cr	Cr	Cr
13	N 17	NE 6	NW 1	NW 14	W 20	320	.	.	.	.	Cr	Cr	Cr	F	Cr
14	NW 26	W 28	W 36	W 24	NW 38	759	.	.	.	.	Cr	Cr	F	F	F
15	W 38	NW 40	NW 18	W 20	W 22	753	.	.	.	.	F	F	Cr	Cr	Cr
16	W 27	W 12	E 4	SE 10	S 10	386	.	.	.	.	Cr	F	Cr	F	Cr
17	S 18	SE 20	S 1	SW 5	NE 8	274	.01	.60	.53	1.14	Cy	LS	HS	LS	Cy	
18	0	NE 11	NE 10	NE 9	0	129	.22	.04	†T	.26	LS	Fy	Fy	Fy	Cr	
19	0	N 1	W 28	N 12	W 14	237	.	†T	.05	.05	Cr	Cr	Fy	LS	Fy	
20	N 8	NE 12	NE 30	N 26	NW 20	432	†T	†T	.	T	Fy	Cr	F	F	F	
21	NW 20	N 11	N 4	W 14	NW 8	381	.	.	.	.	F	Cy	F	Cr	Cr
22	W 16	W 24	W 19	W 16	NW 10	333	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	W 18	W 23	W 23	W 16	W 38	509	.	.	T	T	Cy	Cy	F	F	Cr	
24	W 36	NE 20	NE 26	NE 19	N 5	596	.	†T	†T	T	Cy	Fy	Fy	Fy	Cr	
25	W 19	N 18	NW 12	NW 8	NW 13	239	.	.	.	.	Cr	Cy	Cy	F	F
26	N 24	N 10	W 3	SW 18	NW 24	389	.	.	.	.	Cr	Cr	Cr	Cy	Cy
27	NW 47	NW 44	NW 15	NW 32	NW 40	852	.	.	.	.	Cr	Cr	F	Cr	Cr
28	N 36	N 24	N 28	NW 19	NW 36	637	.	.	.	.	Cr	F	F	F	Cr
29	N 32	N 24	N 22	W 10	NW 39	703	.	.	.	.	Cr	F	F	Cy	Cy
30	NW 38	NW 36	W 15	W 28	W 25	825	.	.	.	.	Cy	F	F	Cy	F
31	W 13	NW 40	N 17	N 26	NW 44	721	.	.	.	.	Cr	Cr	Cr	F	Cr
Mean	22	21	14	18	22	15051	.28	.66	.59	1.53						

REMARKS.

Oct. 17. Snow, B. 7.20 A.M.; E. 7.00 P.M.

* Frost.

Oct. 18. Snow, B. D.N.; E. 7.30 A.M.

† Fog.

OCTOBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	0	0	0	0	0	0	K 6 N	K 1 N	L. Fog
2	0	0	0	0	0	0	0	K 6 NW	K 3 NW	KS 8 W
3	Hidden	0	0	0	0	D. Fog	KS 4 NW	KS 4 W	0	0
4	0	0	0	0	0	0	0	K 2 NE	0	0
5	0	0	0	CS 3 NW	0	KS 4 NW	KS 6 W	KS 4 NW	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	KS 4 SW	K 2 SW
9	0	c 4 W	CS 6 SW	CS 4 SW	0	0	K 2 W	0	K 3 SW	KS 2 SW
10	0	0	Hidden	0	0	s 9 W	KS 9 W	N 10 W	KS 4 W	K 2 W
11	Hidden	0	0	Hidden	0	s 10 NW	KS 6 NW	KS 4 NW	s 10 NW	s 9 NW
12	0	0	0	0	0	KS 8 E	KS 3 NE	0	0	0
13	0	0	c 3 NW	0	0	0	0	0	s 7 NW	0
14	0	0	CS 6 W	0	0	0	s 2 W	0	KS 4 W	KS 4 W
15	0	c 4 NW	0	0	0	KS 6 W	0	0	0	0
16	0	c 4 W	0	0	0	0	0	0	KS 6 SW	0
17	0	Hidden	Hidden	Hidden	Hidden	KS 8 SW	N 10 s	N 10	N 10	s 10
18	Hidden	Hidden	Hidden	Hidden	0	N 10	D. Fog	D. Fog	D. Fog	0
19	0	0	Hidden	Hidden	Hidden	0	0	D. Fog	N 10	D. Fog
20	Hidden	0	CS 6	CS 4	0	D. Fog	L. Fog	0	KS 2 N	s 4 NW
21	CS 4	CS 8 W	CS 6 NW	0	0	0	0	0	s 3	0
22	0	0	0	0	0	0	0	0	0	0
23	CS 8	CS 8 W	0	CS 3	0	0	0	K 4 W	s 4 W	0
24	0	Hidden	Hidden	Hidden	0	KS 8 W	D. Fog	D. Fog	D. Fog	L. Fog
25	0	c 8	CS 9	CS 4	CS 6	0	0	0	0	0
26	0	0	0	Hidden	CS 8	0	0	0	s 10	0
27	0	0	c 4 NW	0	c 3	0	0	0	0	0
28	0	{ CS 4 c 2 NW	c 6 NW	CS 4	0	0	0	0	s 2	0
29	0	c 6 NW	CS 7 NW	Hidden	Hidden	0	0	0	s 10 W	s 10 NW?
30	Hidden	CS 6	0	CS 5 W	0	s 10	0	K 6 W	s 3 W	s 6 W
31	0	c 3 NW	c 2 NW	CS 6	0	0	0	0	0	0

REMARKS.

Oct. 19. Snow, B. 2.50 P.M.; E. 6.30 P.M.

Oct. 23. Snow, B. 1.16 P.M.; E. 1.48 P.M.

NOVEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	.82	.85	.87	.90	.89	.86	13	19	22	22	20	18	23	10	75	72	73	73	79
2	.84	.85	.81	.80	.72	.79	22	23	26	23	20	23	26	19	72	77	88	82	74
3	.66	.68	.67	.66	.63	.65	14	15	20	16	10	15	20	10	82	76	70	72	87
4	.51	.48	.45	.41	.35	.44	6	9	15	11	8	10	15	6	91	73	94	100	98
5	.26	.22	.11	.10	.10	.16	8	10	8	0	- 4	4	11	- 4	100	100	96	98	95
6	.11	.17	.29	.36	.41	.27	- 5	- 3	- 2	- 4	- 5	- 4	- 2	- 6	98	91	95	91	91
7	.61	.66	.70	.71	.85	.72	6	10	14	16	23	14	23	- 5	69	50	76	72	80
8	.96	.98	.97	1.02	1.04	.99	24	27	30	31	30	28	32	21	73	74	78	71	78
9	1.06	1.04	1.01	.98	.94	1.00	22	28	32	28	25	26	33	22	76	69	70	84	80
10	.94	.91	.85	.79	.69	.83	23	29	29	24	19	24	29	19	73	77	82	91	80
11	.56	.49	.48	.49	.50	.52	17	15	14	8	- 8	8	19	- 8	100	100	98	100	100
12	.58	.63	.71	.73	.74	.68	- 8	- 4	3	9	10	2	12	- 9	95	93	91	75	73
13	.82	.88	.87	.91	.93	.88	18	22	24	23	22	22	25	10	68	80	64	78	76
14	.94	.92	.86	.83	.84	.88	20	23	24	22	16	20	24	16	73	73	73	80	76
15	.82	.82	.78	.78	.78	.79	12	15	19	18	16	16	20	12	76	76	76	74	76
16	.71	.65	.60	.62	.60	.63	14	18	18	15	15	16	18	14	76	85	90	76	100
17	.59	.57	.61	.71	.81	.67	10	8	11	9	15	12	16	7	98	100	92	92	82
18	.88	.94	.94	.94	.97	.93	21	23	26	22	21	23	26	15	63	62	58	69	66
19	.95	.99	.95	.93	.91	.94	22	22	26	24	22	23	26	19	76	73	67	73	75
20	.74	.69	.58	.49	.35	.56	20	23	23	22	14	19	23	14	98	100	100	100	100
21	.29	.44	.52	.58	.60	.47	12	12	13	11	9	11	14	9	100	100	100	100	100
22	.67	.72	.72	.71	.72	.70	5	6	11	10	9	8	12	5	93	89	87	75	85
23	.65	.65	.61	.62	.65	.64	8	10	12	7	12	10	13	7	75	73	71	89	100
24	.70	.74	.74	.75	.78	.74	7	10	12	11	13	11	14	5	79	62	65	74	64
25	.73	.71	.64	.58	.57	.65	13	15	19	14	11	14	19	11	80	77	75	80	87
26	.53	.54	.54	.60	.62	.56	7	8	10	10	7	8	12	7	100	100	100	100	100
27	.66	.70	.67	.71	.74	.69	6	6	7	10	9	7	11	5	100	100	95	95	98
28	.71	.72	.71	.72	.72	.72	7	13	14	9	9	10	16	6	91	80	83	95	95
29	.69	.68	.67	.72	.74	.70	9	8	10	9	7	9	10	7	100	100	100	100	100
30	.72	.77	.80	.80	.83	.78	3	3	8	11	9	7	11	3	100	100	69	74	81
Mean	.69	.70	.69	.70	.70	.69	11.8	14.0	16.6	14.7	12.9	13.8	18.4	8.2	85	83	83	84	86

REMARKS.

Nov. 4. Snow, B. 4.05 P.M.; E. 8.30 P.M.
5. " B. 11.20 A.M.; E. 3.40 P.M.

Nov. 11. Snow, { B. D. N.; E. 5.20 A.M.
 { B. 11.30 A.M.; E. 12.50 P.M.

NOVEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	N 50	N 43	N 28	N 10	NW 29	856	.	.	.	.	F	F	Cr	Cr	Cr
2	NW 42	W 32	W 43	SW 24	SW 48	851	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	NW 38	W 28	W 4	SW 14	SW 25	789	.	.	.	.	Cr	F	Cr	Cy	Cy
4	W 36	W 30	SW 4	SW 22	W 30	590	*T	.	.04	.04	F	F	Cy	LS	F	
5	SW 16	SW 14	NW 15	NW 40	NW 48	542	*.01	.08	.05	.14	Fy	Fy	LS	Cy	Cy	
6	NW 64	W 56	NW 25	NW 33	NW 52	1123	.	.	.	.	Cy	Cr	Cr	Cr	Cr
7	N 50	NE 38	W 50	NW 50	N 34	1247	.	.	.	.	F	F	Cr	F	Cr
8	NW 22	NW 22	W 31	N 15	N 4	531	.	.	.	.	F	F	Cr	Cr	Cr
9	0	s 16	SW 24	SW 28	W 48	422	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	SW 14	s 2	SW 12	SW 28	SW 38	547	.	.	.	.	F	F	Cr	Cy	Cr
11	SW 20	s 15	W 17	W 16	NW 17	576	.02	.04	.03	.09	LS	Fy	Cy	Cy	Fy	
12	N 12	N 9	N 22	NW 44	N 24	425	.	.	.	.	Cr	Cr	Cr	F	F
13	NE 20	N 9	N 24	N 19	NE 19	649	*T	.	.	T	F	Cr	Cr	Cr	Cr	
14	NW 16	W 27	NW 18	W 16	W 20	414	.	.	.	.	Cr	F	F	Cr	Cr
15	W 8	NE 2	W 8	W 24	W 21	284	.	.	.	.	Cr	Cr	Cr	Cr	Cr
16	W 36	W 56	W 44	W 44	W 36	884	.	.	*T	T	F	Cy	Cy	Cr	Fy	
17	W 12	W 20	W 12	W 32	NW 36	591	*.02	.	.	.02	Fy	Cr	Cr	Cr	Cr	
18	NW 40	NW 14	W 12	W 35	NW 19	600	.	.	.	.	Cr	Cr	Cr	F	Cr
19	N 34	W 11	NW 11	W 23	W 22	539	.	.	.	.	Cr	F	Cy	Cr	Cr
20	SW 32	SW 30	SW 21	SE 40	W 20	577	*T	T	.06	.06	Cy	Fy	Fy	Fy	Sl	
21	N 27	NW 26	NW 12	W 1	0	434	.05	*T	*T	.05	Fy	Fy	Cy	Cy	Cr	
22	NW 11	N 3	NW 5	NW 13	W 19	161	*T	.	.	T	Cr	Cr	Cr	Cr	Cr	
23	W 27	NW 7	NW 1	NW 15	N 9	409	.	.	*T	T	Cr	Cy	Cy	Cy	Fy	
24	N 15	NE 9	N 1	W 27	NW 13	348	*T	.	.	T	Cr	Cr	Cr	Cr	Cr	
25	W 22	W 30	SW 24	SW 38	W 35	686	.	.	.	.	Cr	Cr	F	Cy	Cy
26	NE 14	NE 14	NE 12	NE 8	NE 11	343	.02	.32	.07	.41	Fy	Fy	LS	LS	LS	
27	0	0	N 1	N 14	NW 11	162	.05	.	.	.05	Cr	Cr	Cr	Cr	Cr	
28	W 11	NW 21	NW 13	NW 23	N 7	339	.	.	.01	.01	Cr	Cr	Cy	LS	Cy	
29	N 34	NW 36	NW 40	NE 22	NW 22	677	.	*T	*T	T	Cy	Cy	Cy	Fy	Fy	
30	N 15	NE 15	NE 20	NE 29	NE 25	461	*T	.	.	T	Fy	Cr	Cr	Cr	Cr	
Mean	25	21	18	24	25	17057	.17	.44	.26	.87						

REMARKS.

Nov. 11 Snow, B. 2.15 P.M.; E. 4.30 P.M.
 20. Sleet, B. 2.20 P.M.; E. 2.28 P.M.

Nov. 20. Sleet, { B. 2.20 P.M.; E. 2.28 P.M.
 { B. 6.40 P.M.; E. D. N.

* Frost.

NOVEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	CS 4	CS 7	0	c 2	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	CS 7 w	0	0	Hidden	0	0	0	KS 8 SW	s 10
4	0	0	0	Hidden	0	KS 4 w	KS 4 w	K 9 SW	N 10 SW	KS 6 w
5	Hidden	Hidden	Hidden	0	0	D.Fog sw	D.Fogsw	N 10 w	KS 8 NW	KS 9 NW
6	0	0	0	0	0	KS 8 NW	KS 3 w	KS 3 NW	KS 2 NW	0
7	0	0	c 3 w	CS 4 NW	0	KS 6 NW	s 4 NE	0	0	0
8	CS 7 NW	CS 4 NW	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	c 4 SW	CS 7 SW	CS 3 SW	0	0	0	0	0	KS 8 SW	s 3 SW
11	Hidden	Hidden	Hidden	0	Hidden	N 10 SW	D. Fog s	s 10	KS 9 w	D.FogNW
12	0	0	0	0	0	0	0	0	KS 4 NW	KS 6 NW
13	0	CS 3 NW	CK 3 NW	0	CK 2 NE	KS 7 NE	0	0	0	0
14	0	CS 4 w	CS 7 NW	CK 3 w	0	0	0	0	0	KS 2 w
15	0	0	CS 3 w	0	0	KS 3 w	0	0	0	0
16	0	0	0	0	Hidden	s 7 w	s 8 w	s 8 w	KS 3 w	D. Fog w
17	Hidden	0	0	0	0	D. Fog w	L. Fog w	K 1 w	0	0
18	0	0	0	c 6 w	c 2	0	0	0	0	0
19	0	cs 6	cs 8	0	0	0	0	0	0	0
20	Hidden	Hidden	Hidden	Hidden	Hidden	{ L. Fog s 10	D. Fog	D. Fog	D. Fog	N 10
21	Hidden	Hidden	Hidden	Hidden	0	D. Fog	D. Fog	{ L. Fog s 10	{ L. Fog s 10 w	KS 3
22	0	0	0	0	0	0	0	0	0	0
23	0	cs 10	cs 10	cs 6	Hidden	0	0	0	KS 4 NW	D. Fog
24	0	0	0	0	0	0	0	0	0	0
25	0	0	cs 6 SW	Hidden	Hidden	0	0	0	s 10 SW	s 10
26	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	{ L. Fog N 10	{ L. Fog N 10	N 10
27	0	0	0	0	0	0	0	0	0	0
28	0	cs 2	cs 10 NW	Hidden	Hidden	0	0	0	N 10	s 10
29	Hidden	cs 6 NW	Hidden	Hidden	Hidden	s 10	s 3 NW	{ L. Fog w s 10	D. Fog	D. Fog
30	Hidden	0	c 1 NW	0	0	D. Fog	0	0	0	0

REMARKS.

Nov. 26. Snow, { B. D. N.; E. D. N.
 { B. 11.25 A.M.; E. D. N.

Nov. 28. Snow, B. 5.00 P.M.; E. 5.50 P.M.

DECEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.85	.92	.93	.97	1.01	.93	12	16	18	18	17	16	20	9	100	100	100	91	94
2	1.05	1.10	1.09	1.10	1.11	1.08	19	21	24	23	22	22	24	17	90	85	68	82	73
3	1.01	.96	.81	.72	.66	.83	26	23	22	19	16	21	26	15	87	82	64	80	87
4	.64	.67	.68	.71	.73	.68	8	7	6	4	10	8	16	4	81	83	83	86	89
5	.72	.74	.72	.72	.71	.72	16	17	18	15	16	16	18	9	89	78	94	86	95
6	.47	.46	.52	.51	.55	.51	12	13	14	13	13	13	22	12	86	95	89	75	81
7	.36	.34	.29	.24	.20	.28	13	14	15	10	0	9	19	0	91	98	89	89	100
8	.24	.18	.19	.22	.26	.23	- 7	- 8	- 9	- 8	- 6	- 7	1	-11	100	100	100	100	62
9	.26	.30	.30	.31	.32	.29	-14	-16	-13	-15	-17	-15	4	-17	66	100	74	100	100
10	.28	.32	.31	.34	.44	.34	-14	-12	- 7	-10	-10	-10	- 2	-18	66	78	100	100	70
11	.34	.33	.34	.35	.37	.35	-10	-10	- 5	- 9	-14	- 9	4	-14	67	78	95	95	90
12	.35	.44	.38	.36	.40	.38	-18	-10	- 5	- 7	-10	-11	- 4	-20	70	23	58	100	78
13	.31	.43	.45	.51	.59	.45	-16	-15	-14	- 4	1	-10	1	-17	46	45	51	46	93
14	.64	.74	.82	.93	.75	.74	10	15	17	16	15	14	19	- 8	82	80	90	82	86
15	.65	.61	.55	.54	.52	.57	12	13	12	8	3	9	15	3	66	74	83	81	81
16	.58	.63	.62	.66	.65	.62	5	7	11	10	8	8	14	- 2	85	93	85	92	88
17	.70	.79	.85	.86	.92	.82	10	13	16	14	18	15	18	4	92	86	85	83	90
18	.96	1.03	.98	.99	1.00	.98	17	16	20	18	15	18	22	15	59	72	80	78	87
19	.96	1.06	.82	.78	.77	.85	16	16	16	15	15	16	16	15	87	88	100	100	100
20	.71	.68	.68	.71	.77	.72	11	12	13	12	10	11	15	10	100	100	98	100	99
21	.88	.88	.85	.82	.71	.81	10	16	22	19	20	17	23	9	95	76	73	80	71
22	.68	.73	.75	.79	.80	.74	14	17	19	16	10	15	20	10	100	97	98	100	66
23	.85	.87	.87	.85	.88	.87	10	15	16	12	11	12	16	10	73	74	82	76	87
24	.93	.98	.96	.97	.99	.96	17	18	19	21	21	19	22	10	73	70	74	76	76
25	.95	.92	.82	.83	.82	.86	23	25	24	22	19	22	25	18	73	75	80	78	80
26	.82	.81	.74	.69	.72	.76	17	19	23	16	16	18	23	16	77	70	80	76	72
27	.71	.74	.72	.70	.71	.71	11	12	17	11	15	14	18	10	73	78	77	87	76
28	.61	.59	.52	.52	.48	.54	13	16	16	14	12	14	17	12	87	100	98	87	100
29	.48	.46	.48	.53	.55	.50	0	0	- 2	- 2	- 2	- 1	12	- 2	100	100	98	95	93
30	.45	.45	.42	.42	.40	.42	4	4	7	6	5	5	7	- 2	68	80	83	82	86
31	.32	.32	.26	.27	.27	.28	3	2	3	0	- 1	2	5	- 1	100	100	93	96	95
Mean	.64	.66	.64	.64	.65	.64	7.5	8.9	10.8	9.0	8.0	8.7	14.8	3.0	82	82	85	86	85

REMARKS.

Dec. 7. Snow, B. 5.55 P.M.; E. 12.20 P.M. of 8th.
10. " B. 10.38 A.M.; E. 3.40 P.M.

Dec. 10. Snow, B. 5.30 P.M.; E. 11.55 P.M.
11. " B. 1.25 P.M.; E. 9.10 P.M.

DECEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	N 12	E 12	E 15	NE 23	NE 20	429	*T	*T	.	T	Fy	Fy	Cr	Cr	Cr	
2	NE 17	NE 15	NE 16	W 16	N 5	372	*T	.	.	T	Cr	Cr	Cr	F	Cr	
3	NW 38	NW 35	W 66	W 52	NW 60	933	.	.	.	.	Cr	Cr	Cy	Cy	Cr
4	NW 68	NW 40	NW 44	NW 56	NW 56	1272	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	NE 34	N 40	N 48	NW 39	N 28	933	.	.	.	.	Cr	Cy	Cr	F	Cr
6	NW 48	NW 56	N 40	NW 42	NW 51	1119	.	.	.	.	Cr	Cr	Cr	F	Cr
7	W 64	W 26	SW 18	SW 28	N 15	888	.	.	.14	.14	Cr	F	F	Cy	HS	
8	N 28	N 32	N 36	N 32	NE 20	669	.92	.17	.	1.09	LS	LS	F	Cy	Cr	
9	NE 12	NE 8	NW 16	NW 13	N 32	416	.	.	.	.	Cr	Cr	Cy	F	Cr
10	NW 32	NW 32	N 22	NW 14	NW 12	618	.	.26	.03	.29	Cr	F	LS	Cy	LS	
11	W 52	W 40	W 16	W 17	NW 4	730	.06	.	.09	.15	Cr	Cr	Hs	LS	LS	
12	NE 17	NE 28	N 37	NW 33	NW 23	665	T	.	.	T	Cr	F	Cr	Cy	Cy	
13	NE 19	NE 22	NE 30	NE 30	NE 34	595	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	NE 31	NE 26	NE 10	NW 24	NW 32	681	.	.	.	.	Cr	Cr	Cr	Cy	Cr
15	W 23	W 48	SW 54	W 43	W 47	975	.	.	.	.	Cy	Cy	Cr	Cr	Cr
16	W 52	W 56	W 54	W 38	W 58	1339	.	.	.	.	Cr	Cr	Cr	Cr	Cr
17	NW 60	NW 48	NW 27	NW 43	NE 12	1125	.	.	.	.	Cr	Cr	F	F	Cr
18	NW 16	SE 11	SW 16	NW 16	W 3	349	.	.	.	.	Cr	Cr	Cr	F	Cy
19	SW 9	S 16	SE 18	S 8	W 16	278	.	.06	.09	.15	Cy	Cy	LS	LS	LS	
20	N 8	NE 8	NE 6	NE 3	NE 2	183	.12	.06	†.02	.20	LS	LS	LS	Fy	F	
21	N 4	N 11	W 32	W 47	W 76	546	.	.	.	.	Cr	Cr	Cr	F	Cr
22	NW 44	W 24	W 19	W 17	NW 11	901	*.01	.	.	.01	Fy	Cy	Fy	Fy	Cr	
23	NW 12	NW 20	W 9	NW 29	E 22	422	.	.	.	.	Cr	Cr	F	F	Cr
24	NW 25	N 30	N 11	N 16	NE 6	372	.	.	.	.	Cr	Cr	Cr	Cr	Cr
25	NW 24	W 30	SW 52	W 37	W 36	710	.	.	.	.	Cr	Cr	Cy	F	Cr
26	SW 22	SW 28	SW 24	W 40	SW 54	756	.	.	.	.	F	Cr	F	F	Cr
27	W 36	SW 19	SW 19	SW 24	SW 20	695	*T	.	T	T	F	F	F	Fy	Cy	
28	E 8	E 9	E 8	0	NE 16	251	*T	.05	.13	.18	Cy	LS	LS	Cy	LS	
29	NE 16	NE 14	NE 8	NE 7	NE 7	276	.62	.81	.21	1.64	LS	LS	LS	Cr	Cr	
30	NW 18	NW 22	W 23	W 19	W 12	444	.	.	.	.	F	Cr	Cr	F	Cy
31	SW 8	S 5	SW 1	SW 6	SW 8	163	.02	.10	.06	.18	Fy	Fy	LS	Cy	Cy	
Mean	28	26	26	26	26	19905	1.75	1.51	.77	4.03						

REMARKS.

Dec. 19. Snow, B. 11.45 A.M.; E. 2.10 P.M. of 20th.
 27. " B. 2.15 P.M.; E. 2.30 P.M.
 * Frost.

Dec. 28. Snow, { B. 8.50 A.M.; E. 4.10 P.M.
 { B. 6.38 P.M.; E. 2.45 P.M. of 29th.
 † Snow and Frost.

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DECEMBER, 1885.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	Hidden	Hidden	0	0	0	D. Fog	D. Fog	0	0	0
2	0	0	CS 2	CS 7	0	0	0	0	0	0
3	0	0	CS 8	CS 8 W	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	KS 3 NW	0
5	0	CK 7 NW	C 2 N	{ CK 2 W CS 3 W	0	0	K 1 NW	0	0	0
6	0	0	0	CK 4 NW	0	s 3	K 1	K 3 NW	0	0
7	0	0	0	0	Hidden	KS 3 W	{ KS 3 K 2 W	K 7 SW	K 8 SW	N 10
8	Hidden	Hidden	CK 6 NW	0	0	N 10	N 10	K 1 NW	KS 8 NW	0
9	0	CS 2	Hidden	{ CS 2 NW C 1 NW	0	KS 2	0	KS 10 NW	K 4	0
10	0	CK 5 NW	Hidden	CK 8 NW	Hidden	s 2	L. Haze	N 10	0	N 10
11	0	0	Hidden	Hidden	Hidden	KS 2	K 1	D. Haze	N 10	N 10
12	0	c 5 NW	c 2 NW	0	Hidden	0	0	0	s 9	s 10
13	0	c 2	0	CS 1	0	s 3	L. Haze	0	0	0
14	0	0	0	0	0	0	K 1	0	KS 8 W	0
15	0	CK 8 W	c 1	0	0	KS 9 W	0	0	0	0
16	0	0	0	CS 2	0	0	0	0	0	0
17	0	CK 2 W	CK 7 NW	CS 4 NW	0	s 3	0	0	0	0
18	0	0	c 2 SW	0	CS 9 W	0	0	0	KS 6 NW	0
19	0	0	Hidden	Hidden	Hidden	KS 9 SW	KS 9 SW	N 10 SE	N 10	N 10
20	Hidden	Hidden	Hidden	Hidden	0	N 10	N 10 NE	N 10	D. Fog NE	KS 6 NE
21	0	0	0	0	0	0	0	0	KS 4 W	KS 3 W
22	Hidden	0	Hidden	Hidden	c 2 NW	D. Fog NW	KS 9 W	D. Fog W	D. Fog W	0
23	0	0	0	0	0	0	0	KS 6 W	KS 6 NW	KS 3 N
24	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	KS 8 SW	s 5 W	s 3 W
26	0	0	0	0	0	KS 4 SW	s 2 SW	s 7 SW	s 7 W	KS 3 SW
27	0	0	0	Hidden	0	s 6 W	s 5 SW	KS 6 SW	D. Fog SW	s 9 SW
28	0	Hidden	Hidden	Hidden	Hidden	s 9 E	N 10	N 10	s 10	N 10 NE
29	Hidden	Hidden	Hidden	0	0	N 10	N 10 NE	N 10 NE	KS 3 NE	0
30	0	0	0	0	Hidden	KS 6 NW	0	0	K 5 W	s 10 W
31	Hidden	Hidden	Hidden	0	Hidden	D. Fog SW	D. Fog s	N 10 SW	K 8 SW	s 10 SW

REMARKS.

Dec. 31. Snow, B. D. N.; E. D. N.

Dec. 31. Snow, B. 10.15 A.M.; E. 3.18 P.M.

JANUARY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.						Relative Humidity.						
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.26	.28	.24	.24	.25	.25	- 6	1	5	2	4	1	6	- 6	100	100	98	100	96
2	.28	.26	.26	.28	.32	.29	-10	-16	-18	-22	-22	-16	4	-23	95	95	80	72	85
3	.34	.38	.40	.42	.47	.40	-15	-12	- 7	- 7	- 8	-10	- 6	-22	62	82	74	78	86
4	.58	.60	.65	.71	.72	.65	-12	- 7	- 2	2	4	- 3	4	-12	78	76	89	64	66
5	.67	.61	.54	.51	.45	.55	4	6	7	4	1	4	8	1	64	85	86	91	85
6	.31	.30	.21	.21	.20	.24	- 4	- 4	- 7	-10	-11	- 7	1	-11	87	91	93	100	100
7	.20	.17	.17	.12	.16	.18	-19	-20	-20	-27	-25	-21	-11	-30	100	64	72	63	68
8	.25	.34	.38	.45	.44	.36	-12	- 9	- 6	- 4	- 6	- 8	0	-25	98	95	91	95	95
9	.44	.46	.45	.44	.52	.47	- 1	0	1	- 1	- 4	- 1	2	-14	95	91	89	98	91
10	.52	.63	.62	.62	.62	.59	0	5	5	6	6	4	11	- 5	98	85	89	88	100
11	.56	.58	.53	.56	.59	.56	- 1	- 3	- 4	- 3	- 3	- 3	6	- 5	100	100	75	89	68
12	.67	.70	.69	.68	.66	.67	4	5	11	11	11	9	12	- 3	83	85	78	85	68
13	.59	.58	.50	.48	.46	.52	7	9	12	7	4	8	13	4	67	80	86	88	88
14	.40	.42	.38	.37	.35	.38	1	2	8	5	3	4	9	1	91	100	100	100	100
15	.32	.34	.31	.31	.28	.30	- 3	- 3	0	- 2	- 4	- 2	3	- 6	95	91	92	93	95
16	.30	.33	.31	.29	.26	.29	- 3	- 1	3	3	3	1	5	- 6	100	100	93	100	95
17	.25	.23	.19	.16	.17	.20	4	5	9	8	5	6	11	3	100	93	95	97	100
18	.08	.12	.13	.14	.22	.14	- 4	- 4	- 1	- 3	- 5	- 3	6	- 5	95	93	100	95	95
19	.36	.35	.35	.34	.35	.35	- 2	7	10	9	9	5	14	- 5	91	95	100	95	92
20	.37	.49	.48	.56	.50	.45	6	6	5	5	7	6	11	3	100	100	100	91	100
21	.46	.49	.42	.39	.50	.46	9	9	10	6	6	8	11	6	100	100	100	100	82
22	.52	.48	.45	.48	.45	.47	5	6	8	8	6	6	12	2	89	88	93	100	100
23	.46	.57	.61	.57	.50	.52	1	0	8	6	9	6	14	1	85	91	89	82	96
24	.51	.55	.53	.52	.56	.53	12	13	16	16	12	13	16	4	92	89	100	95	100
25	.54	.59	.54	.48	.42	.50	13	12	15	14	10	13	19	11	96	92	100	100	100
26	.38	.46	.57	.68	.69	.55	- 1	- 1	0	4	8	2	11	- 2	100	95	95	90	77
27	.64	.65	.59	.60	.56	.60	9	11	12	10	5	9	12	5	85	89	94	96	95
28	.55	.60	.61	.63	.66	.61	0	0	2	0	2	1	6	- 1	96	93	85	91	84
29	.69	.68	.64	.63	.61	.64	9	12	16	15	12	12	19	1	88	89	88	92	98
30	.56	.56	.55	.57	.52	.54	11	10	10	10	7	9	16	7	95	100	100	100	100
31	.49	.51	.52	.50	.45	.48	7	3	4	6	17	9	17	7	100	93	91	89	89
Mean	.44	.46	.45	.45	.45	.44	0.3	1.4	3.6	2.6	2.0	2.0	8.4	-4.0	91	91	91	91	90

REMARKS.

Jan. 1. Snow, B. 12.20 P.M.; E. 3.35 P.M.
2. " B. 8.11 A.M.; E. 10.15 A.M.

Jan. 6. Snow, B. 10.05 P.M.; E. 8.10 A.M. of 7th.
7. " B. 10.35 A.M.; E. 1.15 P.M.

JANUARY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00										
1	SW 8	SW 6	SW 12	SW 18	SE 13	245	*T	.02	.11	.13	Fy	Fy	LS	Cy	Cy
2	E 4	NE 12	N 18	N 38	N 32	386	.	.02	.	.02	F	LS	Cy	Cy	Cr
3	NE 34	NE 30	E 25	NE 32	NE 33	750	.	.	.	.	Cr	Cr	Cy	Cy	Cy
4	E 22	N 28	NE 26	NE 16	NW 7	581	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	W 26	NW 20	W 17	NW 16	W 21	420	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	W 19	W 4	W 23	NW 8	SW 16	403	.	.	†T	T	Cr	Cr	Cr	Fy	Fy
7	NW 16	N 16	N 17	NW 50	NW 44	480	1.05	.02	T	1.07	LS	Cr	LS	Cr	Cr
8	NW 50	N 44	NE 34	NE 40	N 53	1054	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	NW 65	NW 57	W 57	NW 42	N 42	1299	.	.	.	.	Cr	Cr	F	Cr	Cr
10	NW 76	N 50	NW 40	NW 39	NW 46	1274	.	.	.	.	Cr	Cr	Cr	F	Cr
11	N 17	N 19	NE 24	NE 28	NE 26	626	1.07	.01	.	1.08	LS	LS	Cr	Cr	Cr
12	N 13	NW 14	N 8	N 8	N 8	316	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	W 18	W 16	SW 15	SW 16	SW 9	277	.	.	.	.	Cr	Cr	F	Cr	Cr
14	NW 11	NW 2	NW 2	SW 10	SW 11	211	*T	T	.03	.03	Cr	Cr	LS	LS	LS
15	NW 14	W 14	W 26	W 19	W 31	447	.05	.	.	.05	Cr	Cr	Cy	Cr	Cr
16	SW 23	SW 34	SW 32	SW 24	SW 22	588	†T	†T	†T	T	Fy	Fy	Fy	Fy	Cr
17	W 13	SW 19	SE 8	S 20	S 12	398	†.01	.21	.10	.32	Fy	LS	LS	LS	LS
18	W 13	W 28	SW 21	W 38	W 40	554	.16	†T	†T	.16	LS	Cy	Fy	Cy	Cr
19	SW 21	SW 17	SW 20	SW 12	W 10	517	.	.17	.23	.40	Cy	LS	LS	LS	LS
20	W 10	W 24	W 36	SW 30	SW 33	569	.15	.06	T	.21	LS	LS	LS	F	Cy
21	W 17	SW 10	NW 26	NW 36	NW 32	622	†T	.07	.T	.07	Fy	Fy	LS	Cy	Cr
22	W 36	W 58	W 74	W 29	W 23	1087	.	.	†T	T	Cr	Cy	Cy	Fy	Cy
23	NW 21	NW 17	NE 6	NW 47	W 67	593	.	.	.	.	F	Cr	F	F	Cr
24	W 40	W 46	W 52	W 44	W 36	1212	.	.	.	.	F	Cr	F	F	Cr
25	W 24	W 12	SW 6	W 12	W 22	482	.	.21	.16	.37	F	F	LS	LS	LS
26	NW 24	N 23	N 13	NE 18	N 24	467	.13	T	.	.13	LS	Cr	Cr	Cr	Cr
27	W 37	W 40	W 46	NW 19	N 42	729	.	.	.	.	Cr	F	F	F	Cr
28	NE 20	N 20	NE 14	N 22	NE 17	548	.	.	.	.	Cr	Cr	F	Cr	Cr
29	NE 24	NE 25	N 36	N 42	NW 50	817	.	.	.	.	Cr	F	F	F	Cr
30	NW 44	N 27	NW 15	NW 8	W 18	716	*T	†T	†T	T	Cr	Cy	Fy	Fy	Fy
31	N 7	N 11	NW 12	W 7	W 39	335	†T	†T	.	T	Fy	Cr	Cr	Cr	Cr
Mean	25	24	24	25	28	19003	2.62	.79	.63	4.04					

REMARKS.

Jan. 11. Snow, B. D. N.; E. 10.08 A.M.
 14. " B. 10.35 A.M.; E. 2.48 P.M.
 * Frost.

Jan. 14. Snow, B. 4.50 P.M.; E. 4.25 A.M. of 15th.
 17. " B. 8.47 A.M.; E. 5.50 A.M. of 18th.
 † Fog.

JANUARY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	Hidden	Hidden	Hidden	Hidden	Hidden	D.Fog sw	D.Fogsw	N 10	s 10	s 10
2	0	Hidden	Hidden	Hidden	0	s 6 E	N 10 NE	s 10 N	s 10 NE	0
3	0	0	Hidden	Hidden	Hidden	s 3 NE	0	s 10 NE	s 10 NE	s 10 NE
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	Hidden	Hidden	0	0	K 1	D. Fog	D. Fog
7	Hidden	CK 3 NW	Hidden	0	0	N 10	0	N 10	KS 3NW	0
8	0	CK 2	0	0	0	0	0	0	0	0
9	0	0	CK 4 W	0	0	0	KS 2NW	0	K 2NW	0
10	0	c 2 NW	c 3 NW	CK 4 NW	0	0	0	0	K 2NW	0
11	Hidden	Hidden	0	0	0	N 10	N 10	0	0	0
12	0	0	0	CS 2	0	0	0	0	0	0
13	0	c 1 W	c 6 W	CK 2 W	CS 2 W	0	0	0	0	0
14	0	CK 2 NW	Hidden	Hidden	Hidden	s 3 W	0	N 10 W	N 10 NW	N 10
15	0	0	Hidden	c 1 SW	c 1	KS 2 NW	0	KS 10 W	s 2 W	0
16	Hidden	Hidden	Hidden	Hidden	0	D. Fog	D. Fog	D. Fog	D. Fog	L. Fog
17	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	{ N 10 L. Fog	{ N 10 L. Fog	{ N 10 L. Fog	N 10
18	Hidden	Hidden	Hidden	Hidden	0	N 10	K 10 W	D. Fog	KS 10 W	K 2 W
19	Hidden	Hidden	Hidden	Hidden	Hidden	KS 10 W	N 10	N 10 W	N 10	N 10 W
20	Hidden	Hidden	Hidden	CK 2 W	0	N 10	N 10	N 10 W	K 5 W	K 9 W
21	Hidden	Hidden	Hidden	c 4 W	cs 3 W	D. Fog	D. Fog	N 10	K 4 W	0
22	CS 2 W	0	c 3 W	Hidden	Hidden	0	K 9 W	K 5 W	D. Fog	s 10
23	CS 4 NW	c 2 W	CK 4 W	c 4 NW	0	0	0	0	0	s 2
24	c 5 W	CS 2 W	CS 2	CK 4 W	0	0	0	K 3 W	K 3 W	0
25	0	CK 6 W	Hidden	Hidden	Hidden	K 5 W	0	N 10	N 10	N 10
26	Hidden	0	CK 2 NW	c 1	0	N 10	s 1	0	0	0
27	0	CK 4 W	CK 4 W	CK 5 W	0	0	0	0	0	0
28	0	c 1	c 3 NW	0	0	0	0	K 4 W	0	0
29	c 1	CK 7 W	CK 6 NW	CK 4 NW	0	0	0	0	0	s 2
30	0	CS 8 NW	Hidden	Hidden	Hidden	s 3	L. Fog	D. Fog	D. Fog	D. Fog
31	Hidden	0	0	c 2	0	D. Fog	K 2 NW	K 3 NW	0	0

REMARKS.

Jan. 19. Snow, B. 7.50 A.M.; E. 1.50 P.M. of 20th.
21. " B. 10.45 A.M.; E. 1.12 P.M.

Jan. 25. Snow, B. 11.40 A.M.; E. 5.55 A.M. of 26th.

FEBRUARY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17 00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	.50	.40	.37	.38	.41	.42	7	9	12	9	2	7	25	2	95	100	100	100	98
2	.42	.48	.47	.48	.50	.46	- 2	- 2	1	- 1	- 1	- 1	2	- 3	89	83	83	83	91
3	.56	.61	.65	.68	.75	.65	- 2	0	8	12	11	6	13	- 3	89	87	69	76	87
4	.84	.86	.89	.95	.96	.90	9	14	16	18	18	14	18	9	80	76	76	68	74
5	1.00	1.04	1.04	1.03	1.04	1.02	17	20	20	18	17	18	21	16	76	76	65	68	76
6	1.05	1.09	1.07	1.07	1.08	1.06	16	18	22	22	21	20	23	16	77	70	74	80	73
7	.99	1.00	.94	.89	.87	.93	18	24	26	23	17	21	27	17	64	68	74	73	76
8	.63	.52	.49	.42	.35	.49	13	12	16	8	- 2	9	17	- 2	87	78	76	100	98
9	.29	.28	.29	.33	.38	.32	- 8	- 8	- 8	- 6	- 7	- 8	2	- 8	95	95	95	93	91
10	.34	.40	.45	.53	.61	.47	-10	- 8	- 3	- 3	- 5	- 6	- 3	-10	100	98	93	91	93
11	.68	.73	.78	.81	.82	.76	3	7	11	12	11	8	13	- 5	76	86	87	64	73
12	.79	.77	.72	.64	.61	.70	16	17	19	15	11	15	19	10	70	72	76	76	73
13	.46	.45	.45	.44	.46	.46	9	5	8	3	1	6	11	1	100	93	79	83	74
14	.37	.35	.40	.44	.49	.42	-12	-14	-15	-18	-13	-14	1	-19	100	90	90	80	78
15	.50	.54	.52	.54	.56	.53	- 7	- 5	- 4	- 6	-10	- 7	- 4	-13	82	89	95	100	91
16	.60	.59	.58	.53	.66	.61	- 3	- 1	- 1	- 5	- 6	- 3	0	-10	89	87	87	93	82
17	.66	.64	.63	.49	.51	.60	3	7	7	7	3	4	8	- 6	88	66	76	89	83
18	.53	.54	.57	.60	.67	.59	- 2	0	3	7	7	3	7	- 2	100	100	91	76	75
19	.77	.84	.84	.83	.86	.82	10	11	13	13	12	12	14	7	75	73	60	58	64
20	.77	.75	.79	.80	.84	.80	11	12	14	12	9	12	15	9	51	60	65	58	73
21	.81	.80	.76	.75	.72	.76	8	11	16	14	9	11	16	7	64	64	61	64	81
22	.76	.77	.78	.79	.80	.78	9	12	17	13	7	11	17	7	71	65	62	64	69
23	.75	.73	.70	.67	.65	.70	7	9	16	12	9	11	16	7	81	87	76	88	84
24	.55	.54	.53	.55	.54	.54	4	6	10	8	6	7	10	4	83	76	72	79	100
25	.61	.66	.66	.67	.67	.65	2	8	10	13	8	7	14	0	83	74	66	64	66
26	.59	.53	.40	.34	.30	.43	6	10	13	13	7	9	14	6	83	78	76	94	83
27	.24	.27	.28	.35	.38	.30	1	3	7	7	2	3	8	1	85	83	82	82	91
28	.37	.38	.39	.42	.46	.41	- 1	2	2	2	- 3	- 1	2	- 3	100	89	98	100	95
Mean	.62	.63	.62	.62	.64	.63	4.4	6.4	9.2	7.9	5.1	6.2	11.7	1.2	83	81	79	80	82

REMARKS.

Feb. 1. Snow, B. 10.47 A.M.; E. 8.48 P.M.
8. " B. 7.20 P.M.; E. 8.30 P.M.

Feb. 13. Snow, B. 6.25 A.M.; E. 10.15 A.M.
14. " B. D. N.; E. D. N.

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FEBRUARY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	W 40	W 24	W 20	W 8	NW 8	613	.	.18	.04	.22	Cy	Fy	LS	LS	Cr	
2	NE 14	NE 16	NE 12	NW 43	NE 34	499	.	.	.	.	Cr	Cr	Cr	Cr	Cr
3	N 43	N 39	NE 36	NE 40	NE 34	885	.	.	.	.	F	Cr	Cr	Cr	Cr
4	NE 28	NE 26	NE 22	NE 18	NE 26	566	.	.	.	.	Cr	Cr	Cr	Cr	Cr
5	E 21	N 16	NW 7	NW 24	NW 40	489	.	.	.	.	Cr	Cr	Cr	Cr	Cr
6	N 17	N 6	N 5	NW 11	NW 6	346	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	NW 24	N 10	N 3	N 4	N 4	226	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	W 36	W 68	W 28	W 40	W 41	943	.	.	.05	.05	Cy	F	Cr	Cy	Cy	
9	N 28	NE 40	NE 39	NE 34	NE 21	887	.	.	.	.	Cy	Cy	Cy	F	Cr
10	W 28	NE 36	NE 32	N 28	NE 24	702	*T	.	.	T	Fy	Fy	Cr	Cr	Cr	
11	NW 33	NE 29	NE 16	NE 32	NE 28	689	.	.	.	.	Cr	Fy	F	Cr	Cr
12	N 36	NW 48	NW 51	W 64	W 61	1115	.	.	.	.	F	F	Cr	F	Cr
13	NW 36	NW 24	NW 21	W 40	W 39	843	*T	.03	.	.03	Fy	LS	Cr	Cr	Cr	
14	NW 24	NW 15	NW 23	N 12	NE 11	454	.02	.	.	.02	Fy	F	Cy	Cr	Cr	
15	N 46	N 28	NW 8	NW 9	NW 16	559	.	.	.03	.03	Cr	Cr	Cy	LS	Cr	
16	NE 13	NE 20	N 30	N 32	N 6	514	.	.	.	.	Cr	Cr	F	Cy	Cy
17	N 24	NE 28	NW 53	NW 68	NW 56	799	.	.	.	.	Cr	Cr	F	Cr	F
18	NW 40	N 33	NW 40	NW 43	N 37	975	*T	.	.	T	Fy	Fy	F	F	F	
19	N 36	NE 16	N 16	NW 34	NW 30	666	.	.	.	.	Cr	Cr	Cr	Cr	Cr
20	W 40	NW 48	N 23	NW 24	W 22	722	.	.	.	.	Cr	Cr	Cr	Cr	Cr
21	W 18	W 4	W 14	W 25	W 29	436	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	N 20	NE 4	S 7	SW 14	SW 28	406	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	W 38	W 36	SW 16	SW 8	W 18	567	*T	.	.	T	Cy	F	F	Cy	Cr	
24	NW 38	NW 43	NW 32	W 28	W 30	781	*T	.	.09	.09	F	Cr	F	LS	LS	
25	N 23	NE 20	NW 28	W 30	W 28	561	.03	.	.	.03	Cr	Cr	Cr	Cr	Cr	
26	W .8	SE 12	W 18	SW 8	W 31	484	.	T	T	T	Cr	Cy	F	LS	F	
27	W 40	W 36	W 27	SW 13	SW 10	621	*01	.	.	.01	Cy	Cr	F	F	F	
28	S 8	SW 13	W 36	W 36	W 28	495	.05	.11	.20	.36	LS	LS	Cy	LS	Cy	
Mean	29	26	24	28	27	17843	.11	.32	.41	.84						

REMARKS.

Feb. 15. Snow, B. 3.15 P.M.; E. 5.15 P.M.
24. " B. 4.32 P.M.; E. D. N.

Feb. 26. Snow, { B. 11.40 A.M.; E. 12 M.
{ B. 4.40 P.M.; E. 5.10 P.M.

* Frost.

FEBRUARY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	Hidden	Hidden	Hidden	Hidden	0	s 10	D. Fog	N 10	N 10 W	s 3
2	0	0	CS 3 NE	0	0	0	0	0	KS 3 W	KS 2
3	0	0	CS 2 NE	CS 3 NW	0	KS 4 NW	0	0	0	0
4	0	0	0	0	0	0	0	0	KS 2 NE	0
5	0	0	0	0	0	0	KS 3 NW	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	Hidden	0	s 8 W	s 4 W	KS 3 W	s 10 W	KS 9 W
9	0	0	0	0	0	s 9 NW	KS 8 NW	KS 8 NW	KS 4 NW	0
10	Hidden	Hidden	0	0	0	D. Fog w	D. Fog NE	K 3 NE	KS 2 NW	0
11	0	Hidden	CS 4 NW	0	0	0	D. Fog N	0	KS 3 N	0
12	0	0	0	0	CS 3 W	K 4 NW	KS 4 W	KS 3 W	KS 4 W	0
13	Hidden	Hidden	0	0	C 3 W	D. Fog w	N 10 NW	KS 3 NW	s 2 W	0
14	Hidden	0	Hidden	0	0	D. Fog NW	KS 6 NW	s 10 NW	KS 3 NW	0
15	0	0	Hidden	Hidden	0	0	0	s 10 W	N 10	KS 3 W
16	0	0	CS 7 NW	0	Hidden	0	KS 2 NW	0	s 8 NW	s 10 NW
17	0	0	CS 7 W	0	CK 6 W	0	0	0	s 3 NW	0
18	Hidden	Hidden	0	0	0	D. Fog w	D. Fog w	KS 6 NW	s 5 W	KS 4 NW
19	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	K 1 NW	0
21	0	0	0	0	0	KS 2 W	0	0	0	K 2 W
22	0	0	0	0	0	0	0	0	0	KS 2 SW
23	0	0	0	0	0	s 8 W	KS 6 W	KS 7 SW	KS 9 SW	KS 2 W
24	0	0	0	Hidden	Hidden	KS 6 NW	KS 2 W	K 6 NW	N 10 W	N 10 W
25	0	0	0	0	0	s 3 W	0	0	0	0
26	0	0	0	Hidden	0	s 2 W	s 9 SW	KS 6 W	N 10 SW	s 6 W
27	0	0	0	0	0	s 8 W	KS 3 W	K 7 W	K 4 SW	K 4 SW
28	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 SW	N 10 SW	s 10 W	N 10 W	s 10 W

REMARKS.

Feb. 28. Snow, B. D. N.; E. 11.50 A.M.

Feb. 28. Snow, B. 3.00 P.M.; E. 6.45 P.M.

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MARCH, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17 00+						Temperature.						Relative Humidity.						
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	.52	.53	.54	.55	.56	.54	- 2	3	7	7	4	3	11	- 3	100	100	100	97	97
2	.51	.52	.53	.50	.48	.51	6	7	12	10	11	10	12	5	95	95	97	95	100
3	.40	.42	.46	.41	.38	.42	5	4	10	8	2	6	15	2	95	95	100	91	100
4	.34	.35	.41	.42	.45	.40	- 7	- 6	0	- 4	- 7	- 5	1	- 7	95	95	95	95	93
5	.51	.54	.57	.57	.58	.55	- 8	- 3	2	3	0	- 2	5	- 9	94	71	93	95	100
6	.51	.53	.50	.53	.56	.52	- 1	0	0	1	- 4	- 2	4	- 4	100	94	94	94	95
7	.44	.49	.54	.55	.51	.50	- 6	- 3	3	4	2	0	6	- 6	91	91	85	83	93
8	.40	.42	.46	.50	.52	.46	0	0	2	1	- 2	0	6	- 2	100	100	88	91	100
9	.56	.60	.59	.56	.52	.56	- 3	1	7	8	4	3	16	- 5	83	54	86	93	100
10	.37	.36	.27	.22	.21	.28	5	8	10	9	0	5	12	0	82	89	100	100	100
11	.07	.09	.20	.32	.36	.21	- 6	- 9	- 9	- 1	- 3	- 6	5	-11	100	100	100	95	95
12	.40	.44	.44	.44	.45	.43	- 7	- 7	- 4	- 3	1	- 3	4	- 8	91	95	95	87	93
13	.46	.45	.40	.36	.29	.38	7	6	10	11	6	8	12	- 1	80	86	92	95	88
14	.23	.31	.34	.35	.38	.32	4	7	11	7	1	6	18	1	89	97	100	100	100
15	.36	.48	.52	.56	.60	.49	1	3	10	8	9	7	11	- 2	89	63	75	71	69
16	.59	.60	.56	.54	.54	.56	8	11	13	10	8	10	14	5	88	72	86	96	97
17	.47	.53	.59	.57	.53	.53	7	10	17	13	9	11	18	6	83	85	81	92	87
18	.38	.38	.34	.34	.28	.34	6	7	10	11	7	8	13	6	85	85	89	88	97
19	.23	.24	.25	.32	.34	.27	- 8	- 4	- 1	- 4	- 6	- 5	7	- 8	94	100	100	100	95
20	.41	.50	.53	.58	.60	.51	- 4	- 3	4	3	0	0	5	- 6	95	95	72	77	83
21	.63	.70	.71	.74	.74	.69	9	3	9	10	5	8	11	- 3	92	81	84	89	93
22	.76	.81	.86	.87	.88	.83	13	16	20	19	16	16	20	4	85	89	84	87	65
23	.84	.85	.79	.76	.73	.79	21	21	24	22	18	21	26	16	72	78	76	90	90
24	.62	.72	.69	.68	.68	.66	14	19	26	18	13	17	27	13	86	87	78	82	100
25	.54	.65	.61	.60	.60	.58	10	14	16	10	10	12	18	10	100	78	94	100	94
26	.51	.51	.46	.46	.45	.47	2	6	12	10	3	6	14	1	86	63	88	67	89
27	.30	.27	.23	.24	.26	.26	0	0	2	- 8	-11	- 3	6	-11	98	96	93	100	100
28	.22	.25	.25	.27	.30	.26	-15	-11	- 4	- 5	-12	-10	0	-16	95	88	95	91	90
29	.25	.28	.28	.32	.31	.28	-12	-13	- 9	- 8	-10	-10	- 4	-16	95	95	95	95	100
30	.33	.41	.48	.50	.53	.45	- 2	1	5	6	6	3	8	-13	100	94	100	97	89
31	.56	.60	.61	.62	.58	.58	7	9	14	14	12	11	16	- 3	70	95	89	88	100
Mean	.44	.48	.48	.49	.49	.47	1.4	3.2	7.5	6.1	3.0	4.0	10.9	-2.1	91	87	90	91	93

REMARKS.

March 3. Snow, B. 5.15 P.M.; E. D. N.
5. " B. 7.55 P.M.; E. 7.55 A.M. of 6th.

March 8. Snow, { B. 3.37 A.M.; E. 3.48 P.M.
{ B. 5.40 P.M.; E. D. N.

METEOROLOGICAL OBSERVATIONS.

MARCH, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00										
1	W 9	SW 12	SW 14	SW 8	SW 16	359	*T	.	.	T	Fy	Fy	Fy	Cr	Cr
2	SW 18	SW 31	s 20	SW 24	s 17	545	*T	.	.	T	F	Cr	Cr	Cr	Cy
3	0	W 32	SW 31	W 21	SW 23	460	*.01	.	.65	.66	F	Cr	Cy	Cy	LS
4	NW 23	NW 46	W 13	NW 25	NW 25	572	.01	.	.	.01	Cr	Cr	F	Cr	Cr
5	W 34	W 29	SW 7	SW 16	SW 13	575	.	.	T	T	Cr	Cr	Cr	Cr	LS
6	SW 14	W 11	W 24	NW 19	NW 23	410	.05	T	.	.05	LS	Cr	F	F	Cr
7	NW 60	NW 42	NW 32	NW 18	W 20	901	.	.	.	.	Cr	Cr	Cr	F	Cr
8	NE 10	NW 10	NE 20	N 8	NW 28	337	.19	.17	.04	.40	LS	LS	LS	F	LS
9	NE 24	N 10	NW 18	SW 34	SW 40	658	.09	.	.	.09	Cr	Cr	Cr	Cr	Cr
10	SW 64	SW 46	SW 32	SW 24	W 33	1036	.	.10	.10	.20	Cy	F	LS	LS	LS
11	NE 34	N 30	NE 38	NE 16	N 26	611	.17	.47	T	.64	LS	LS	LS	Cr	Cr
12	NE 36	NE 20	NE 28	N 24	NE 38	691	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	NW 46	NW 34	NW 41	W 47	W 68	1191	.	.	.	.	Cr	Cr	Cr	F	Cr
14	W 60	W 32	SW 17	SW 14	W 18	917	.	.05	.38	.43	Cr	Cr	LS	LS	LS
15	W 52	N 28	N 16	NW 26	NW 22	632	.64	.	.	.64	Cr	Cr	Cr	Cr	Cr
16	W 24	W 44	SW 31	SW 41	SW 43	997	.	.	.	.	Cr	Cr	F	Cr	Cr
17	W 61	W 52	W 19	SW 29	SW 36	1007	.	.	.	.	Cr	Cr	F	Cr	Cr
18	W 40	W 42	SW 31	W 30	SW 49	981	.	.	.	.	Cr	Cr	Cr	F	Cy
19	NW 11	N 6	NE 6	N 19	N 35	545	.	.16	.23	.39	Cr	LS	LS	LS	F
20	N 48	NE 27	NW 22	N 24	NW 24	813	.	.	.	.	Cr	Cr	Cr	Cr	Cr
21	N 18	N 9	W 12	W 16	N 32	475	.	.	.	.	Cr	Cr	Cr	Cr	Cr
22	N 28	NE 26	NE 15	NW 7	NW 12	508	.	.	.	.	Cr	Cr	F	Cy	Cr
23	NW 33	NW 27	W 42	W 40	W 36	752	.	.	.	.	Cr	Cr	F	Cy	Cr
24	W 24	s 4	SW 15	SW 12	SW 34	623	.	.	.05	.05	Cr	F	Cy	LS	LS
25	W 11	W 8	W 7	W 20	W 21	354	.12	T	.10	.22	LS	Fy	Fy	LS	F
26	NW 30	N 13	W 24	NW 12	SW 21	548	.	.	.	.	Cr	Cr	F	F	Cr
27	SW 20	SW 22	SW 17	NW 22	NW 18	443	†T	.	.	T	Fy	Fy	Fy	Fy	Fy
28	W 32	W 19	SW 16	W 13	NW 20	557	.	.	.	.	Cr	Cr	Cy	Fy	Cr
29	W 17	NW 4	NE 8	NE 15	NE 24	360	.	.	.	.	Cr	Cr	Cr	Cr	Cy
30	NE 33	N 36	N 24	N 36	NE 32	733	.52	.33	.08	.93	LS	LS	LS	Cr	Cr
31	NE 28	N 18	SW 9	W 16	W 32	562	.	.	.01	.01	Cr	Cr	Cr	F	F
Mean	30	25	21	22	28	20153	1.80	1.28	1.64	4.72					

REMARKS.

March 10. Snow, B. 11.35 A.M.; E. 1.25 P.M. of 11th.
14. " B. 11.45 A.M.; E. 1.40 A.M. of 15th.

March 19. Snow, B. 7.20 A.M.; E. 7.45 P.M.
24. " B. 4.55 P.M.; E. 5.35 A.M. of 25th.

* Frost.

† Fog.

MARCH, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	Hidden	Hidden	Hidden	0	0	D. Fog w	D. Fog	D. Fog	K 2 sw	0
2	0	0	0	CK 2 sw	Hidden	K 7 sw	0	K 2 sw	0	s 10
3	0	0	Hidden	cs 7	Hidden	s 7 sw	K 3 sw	KS 10 sw	K 1 w	N 10
4	0	0	0	0	0	KS 3 w	0	K 7 w	K 1	0
5	0	0	0	CK 1 w	Hidden	0	0	0	K 2 w	N 10
6	Hidden	cs 3	0	0	0	N 10	0	K 4 w	K 7 w	s 2
7	0	c 1	0	c 6	0	s 2	0	K 1 w	K 1 w	0
8	Hidden	Hidden	Hidden	CK 5 NW	Hidden	N 10	N 10	N 10	0	N 10
9	0	0	0	CK 3 sw	0	0	0	0	0	s 3
10	0	c 4 sw	Hidden	Hidden	Hidden	KS 8 w	0	N 10	N 10	N 10
11	Hidden	Hidden	Hidden	c 1 sw	0	N 10	N 10	N 10	0	0
12	0	0	0	c 3 w	c 2	0	K 3 w	K 2 NW	0	0
13	0	CK 3 w	CK 3 NW	CK 4 w	0	s 2	0	0	0	s 2 w
14	0	0	Hidden	Hidden	Hidden	s 1	KS 1 w	N 10	N 10	N 10
15	0	0	0	CK 1	cs 1	0	0	0	0	0
16	0	cs 3 w	CK 4 w	c 2 w	cs 3	0	0	0	0	0
17	0	cs 2 w	cs 3 w	0	0	s 2	0	K 3 w	K 1 w	K 1
18	0	cs 1	0	CK 3 sw	Hidden	0	0	0	K 1 w	KS 10 sw
19	0	Hidden	Hidden	Hidden	0	K 1	N 10	N 10	N 10	KS 7 NW
20	0	0	0	CK 2 w	0	0	0	0	0	0
21	0	0	0	cs 2 w	cs 3 w	0	0	0	0	0
22	0	c 1 w	CK 7 NE	CK 8 N	0	s 1	K 1 w	0	0	0
23	0	c 2 w	CK 6 w	CK 8 w	0	0	0	0	0	s 3
24	0	c 5 sw	0	Hidden	Hidden	s 2	0	K 9 w	N 10	N 10
25	Hidden	Hidden	Hidden	Hidden	0	N 10	D. Fog	D. Fog	s 10	s 4
26	0	c 3 w	0	c 3 w	0	0	0	K 5 w	K 3 w	0
27	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog	D. Fog	D. Fog	D. Fog	D. Fog
28	0	c 2 w	Hidden	Hidden	0	0	0	KS 10 w	D. Fog	0
29	0	0	0	0	Hidden	0	0	K 3 w	K 3 N	s 10
30	Hidden	Hidden	Hidden	0	0	N 10	N 10	N 10	K 1 w	0
31	0	0	0	0	0	0	0	0	K 4 w	s 7

REMARKS.

March 25. Snow, B. 3.10 P.M.; E. 7.50 P.M.
29. " B. 9.15 P.M.; E. 3.10 P.M. of 30th.

March 31. Snow, B. 6.15 P.M.; E. 8.45 P.M.

APRIL, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.57	.58	.58	.57	.55	.57	8	12	18	13	11	12	22	7	84	88	98	95	86
2	.50	.51	.54	.51	.51	.51	12	11	16	14	11	13	16	10	100	94	96	94	94
3	.46	.49	.49	.51	.55	.50	4	7	8	8	5	6	11	4	100	86	91	91	91
4	.53	.54	.58	.63	.63	.58	0	5	6	3	-2	2	6	-2	93	100	100	100	97
5	.64	.70	.74	.74	.74	.71	-4	-1	8	8	2	2	8	-4	91	91	72	72	92
6	.72	.75	.71	.70	.68	.70	4	9	13	14	11	9	15	1	86	73	70	75	73
7	.53	.61	.61	.59	.57	.57	10	14	20	18	13	14	21	10	80	87	72	55	76
8	.54	.53	.51	.52	.54	.53	18	11	15	11	10	14	18	10	80	100	94	100	100
9	.59	.69	.72	.76	.77	.70	8	10	14	17	15	12	17	8	100	100	98	86	100
10	.74	.77	.77	.77	.78	.76	12	10	19	20	17	16	20	10	80	87	79	70	76
11	.69	.74	.70	.65	.60	.67	13	17	24	22	18	18	25	13	76	72	81	92	80
12	.44	.44	.38	.29	.28	.37	15	17	21	15	10	15	21	10	100	100	100	100	100
13	.25	.26	.31	.40	.36	.31	8	10	11	12	6	8	12	6	96	95	87	87	80
14	.31	.31	.34	.38	.41	.35	0	3	7	5	2	3	8	-1	95	90	82	81	83
15	.50	.50	.53	.55	.61	.54	0	5	8	8	3	4	9	0	96	78	83	80	83
16	.62	.67	.70	.74	.77	.70	4	7	11	13	13	9	14	1	83	83	82	76	82
17	.80	.83	.83	.81	.80	.81	18	20	26	26	19	21	26	13	65	72	68	68	70
18	.72	.71	.74	.74	.73	.73	18	21	27	25	22	22	28	17	68	74	68	66	91
19	.76	.79	.82	.89	.91	.83	17	20	19	19	19	18	22	17	100	96	97	100	100
20	.94	.88	.86	.83	.79	.86	17	18	21	21	20	19	22	16	100	100	100	100	100
21	.70	.67	.57	.52	.54	.60	22	23	16	15	12	17	23	12	100	98	94	87	94
22	.68	.73	.76	.78	.78	.74	10	15	18	22	16	15	22	10	87	82	74	80	83
23	.77	.79	.79	.76	.74	.76	14	16	22	19	15	17	23	14	100	81	79	100	87
24	.62	.63	.62	.60	.58	.61	13	19	20	18	17	17	21	13	96	79	74	79	87
25	.52	.53	.56	.58	.58	.55	5	6	9	5	4	6	17	4	100	100	100	100	100
26	.51	.48	.52	.50	.50	.51	-2	0	5	6	4	2	7	-2	89	84	83	83	83
27	.50	.46	.51	.50	.50	.50	2	9	15	15	15	11	16	2	96	76	83	87	87
28	.50	.50	.53	.57	.64	.56	4	6	6	9	5	5	15	4	89	78	83	86	80
29	.67	.74	.78	.81	.82	.76	9	13	18	21	15	14	22	4	86	78	74	76	77
30	.79	.81	.79	.76	.76	.78	14	21	27	25	19	20	28	12	83	73	84	80	70
Mean	.60	.62	.63	.63	.63	.62	9.1	11.8	15.6	14.9	11.6	12.1	17.8	7.6	90	86	85	85	87

REMARKS.

April 1. Snow, B. 1.05 P.M.; E. 2.45 P.M.
 2. " B. 3.30 P.M.; E. 3.40 P.M.
 3. " B. 5.20 A.M.; E. 8.30 A.M.

April 4. Snow, B. 5.50 A.M.; E. 7.30 P.M.
 5. " B. 5.40 P.M.; E. 7.15 P.M.
 8. " B. 8.20 A.M.; E. D.N.

APRIL, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00										
1	W 36	W 32	SW 20	W 31	W 36	748	.	.	.01	.01	Cr	Cr	Cy	Cy	Cr
2	W 24	W 42	SW 16	SW 28	SW 17	611	.	.	T	T	Fy	F	F	Cy	Cy
3	NW 15	W 6	W 8	NW 8	W 8	312	.	.12	.	.12	Cy	Cr	Cy	Cy	Cy
4	NW 1	NE 4	N 8	NE 13	NW 28	222	.	.21	.31	.52	Cy	LS	HS	LS	F
5	NW 36	N 19	NE 8	W 12	NW 16	512	.	.	.03	.03	Cr	Cr	F	Cy	Cr
6	NW 21	NW 16	W 25	SW 31	SW 36	563	.	.	.	.	Cr	Cr	Cr	Cr	Cr
7	W 76	SW 12	SW 20	W 20	W 34	975	.	.	.	.	F	F	Cr	Cy	Cr
8	SW 10	NE 4	E 10	NE 15	N 24	397	.	.13	.23	.36	Cy	LS	LS	LS	LS
9	NE 14	NE 7	N 5	N 4	0	271	.11	*.04	*T	.15	Fy	Fy	Fy	F	Fy
10	NW 14	NW 7	NW 4	SW 13	SW 16	206	.	.	.	.	Cr	Cr	Cy	F	F
11	W 44	W 34	SW 16	S 20	E 22	593	.	.	.	.	Cr	Cr	F	F	Cr
12	S 9	0	S 13	NE 34	NE 9	372	*.03	.31	.44	.78	Fy	LS	LS	S1	LS
13	W 36	W 37	W 32	SW 18	W 32	763	.09	.	.	.09	Fy	Cr	Cr	Cr	Cy
14	NW 23	NW 20	W 20	NW 24	NW 26	641	.	.05	.	.05	Cr	Cr	Cy	F	Cr
15	NW 20	W 4	N 10	N 15	W 15	422	.	T	.	T	Cr	Cr	Cr	Cr	Cr
16	NW 40	N 32	NW 24	W 16	NE 14	577	.	T	.	T	Cy	F	F	Cr	Cr
17	NW 24	W 20	SW 26	W 20	SW 28	508	.	.	.	.	Cr	Cr	Cr	Cr	Cr
18	SW 47	SW 53	SW 32	S 30	SE 17	792	.	.	.	.	Cr	F	F	F	Fy
19	SE 8	E 12	E 20	E 17	NE 16	360	.29	.61	1.08	1.98	LS	LS	HS	LS	LS
20	S 9	NE 5	SE 7	SE 12	S 20	280	.49	.19	.46	1.14	LS	LS	LS	LS	LS
21	W 16	S 12	SW 20	W 22	NW 16	462	.51	.09	.	.60	LS	HS	Cy	Cy	Cy
22	W 13	NW 1	W 16	W 9	0	205	.	.	T	T	Cr	Cr	Cr	F	Cr
23	SW 11	W 7	W 7	SW 35	SW 17	328	*T	.	.03	.03	Fy	Cr	F	LS	Cr
24	W 16	SW 7	W 8	NW 4	NE 8	311	.	.	.01	.01	Fy	F	Cy	Cy	Cy
25	NW 11	N 4	0	N 16	N 6	195	.09	.17	.18	.44	LS	LS	LS	LS	LS
26	W 19	NW 48	NW 36	NW 46	NW 49	686	.02	.	.	.02	Cy	F	Cr	Cr	Cr
27	NW 46	W 64	W 36	W 44	W 30	1116	.	.	.	.	Cr	Cr	F	Cr	Cy
28	W 21	W 8	NW 25	W 33	W 45	530	*T	.	.	T	Cy	F	F	Cr	Cr
29	NW 30	NW 24	NW 4	NW 10	SW 20	542	.	.	.	.	Cr	Cr	Cr	Cr	Cr
30	W 20	SW 12	SW 12	SW 16	W 31	450	.	T	.	T	Cr	Cr	F	Cr	Cr
Mean	24	18	16	20	21	14950	1.63	1.92	2.78	6.33					

REMARKS.

April 12. Snow and Sleet, B. 8.00 A.M.; E. D. N.
14. Snow, B. 11.10 A.M.; E. 12.15 P.M.

April 15. Snow, B. 10.50 A.M.; E. 11.00 A.M.
16. " B. 11.50 A.M.; E. 12.00 M.

* Frost.

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APRIL, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	cs 1 w	c 2 w	Hidden	CK 8 w	0	0	0	KS 10 w	0	0
2	Hidden	0	0	0	0	D. Fog w	KS 6 w	KS 4 SW	KS 8 SW	KS 8 w
3	0	0	0	0	0	s 9 NW	K 2 w	KS 8 w	KS 8 w	KS 8 w
4	0	Hidden	Hidden	Hidden	0	s 9 NW	N 10 NW	N 10 NW	N 10	KS 4 w
5	0	0	0	0	0	0	0	K 6 NW	K 8 w	0
6	0	0	0	0	0	0	0	0	K 2 SW	0
7	0	0	0	0	0	s 4 w	s 6 SW	KS 3 SW	s 8 w	KS 3 w
8	cs 8 SW	Hidden	Hidden	Hidden	Hidden	0	N 10	N 10	N 10	N 10
9	Hidden	Hidden	Hidden	0	Hidden	D. Fog NE	D. Fog NE	D. Fog	K 4 NW	D. Fog
10	0	0	0	0	0	0	K 3 NW	K 9 NW	K 4 SW	K 4 SW
11	0	cs 3 w	0	0	0	0	0	s 6 SW	K 4 SW	K 3 SW
12	Hidden	Hidden	Hidden	Hidden	Hidden	D. Fog s	N 10	N 10	N 10 NE	N 10
13	Hidden	0	0	0	0	D. Fog w	KS 3 w	0	KS 3 w	KS 8 w
14	0	0	Hidden	CK 2 w	cs 3 NW	0	K 3 NW	s 10 w	K 4 w	0
15	0	0	0	0	0	0	0	K 3 NW	K 2 NW	0
16	0	0	0	0	0	s 9 NW	KS 6 NW	K 4 NW	K 3 w	0
17	0	c 3 w	cs 3 SW	0	c 3 SW	0	0	0	0	0
18	0	cs 6 SW	0	0	Hidden	0	0	KS 7 SW	KS 7 SW	D. Fog SE
19	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10 E	N 10 E	N 10 SE	N 10 NE
20	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	N 10	N 10 SE
21	Hidden	Hidden	Hidden	Hidden	Hidden	N 10 SW	N 10 SW	s 10 SW	s 10 w	s 10 w
22	0	0	0	0	0	0	0	K 3 w	K 4 w	0
23	Hidden	0	0	Hidden	0	D. Fog SW	K 2 w	K 4 w	N 10 SW	KS 3 SW
24	Hidden	0	Hidden	0	Hidden	D. Fog w	K 6 SW	s 10 w	KS 8 w	s 10 N
25	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10	N 10 N	N 10
26	Hidden	0	0	0	0	s 10	K 4 NW	0	K 2 NW	0
27	0	0	0	0	Hidden	0	0	K 4 w	KS 2 w	s 10 w
28	Hidden	0	0	0	0	s 10 w	K 7 w	K 5 NW	K 3 w	0
29	0	0	0	0	0	0	0	0	K 2 NW	0
30	0	0	0	0	0	0	0	K 6 SW	K 3 SW	0

REMARKS.

April 19. Snow and Sleet, B. D. N.; E. 9.50 A.M. of 21st.
 22. Snow, B. 4.15 P.M.; E. 4.20 P.M.
 23. " B. 4.50 P.M.; E. 5.50 P.M.

April 24. Snow, B. 5.15 P.M.; E. 5.36 P.M.
 25. " B. D. N.; E. 9.50 P.M.
 30. " B. 12.50 P.M.; E. 12.55 P.M.

MAY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	.76	.72	.76	.79	.81	.78	12	17	25	27	18	18	28	12	87	70	80	68	81
2	.78	.81	.82	.82	.85	.82	14	18	23	26	20	19	26	14	94	55	73	53	70
3	.85	.83	.80	.78	.79	.81	18	23	26	28	21	22	28	17	68	73	84	55	80
4	.76	.76	.77	.78	.82	.78	16	21	26	27	21	21	28	15	64	73	67	59	61
5	.80	.85	.90	.90	.86	.86	18	22	29	26	22	23	30	17	66	46	61	70	80
6	.85	.87	.94	.94	.93	.91	13	19	26	29	24	21	30	13	65	60	60	65	79
7	.88	.93	.96	.94	.91	.92	16	22	31	32	26	24	32	13	76	64	62	57	59
8	.79	.78	.82	.76	.73	.78	20	25	30	30	24	25	32	20	72	67	71	78	76
9	.65	.68	.75	.74	.74	.71	17	20	30	29	22	23	31	17	57	72	66	61	79
10	.72	.76	.80	.79	.79	.77	17	22	30	31	24	24	32	17	72	73	78	63	73
11	.77	.79	.82	.81	.82	.80	17	24	30	30	22	23	31	16	67	60	62	66	76
12	.78	.83	.82	.83	.82	.81	16	22	30	29	19	22	30	16	68	76	62	63	70
13	.74	.73	.74	.69	.70	.73	16	19	26	22	16	20	26	16	67	71	84	86	87
14	.67	.71	.76	.78	.81	.75	8	9	14	13	9	11	16	8	100	94	82	100	84
15	.89	.90	.90	.89	.92	.90	14	22	24	20	17	18	25	9	71	74	78	80	76
16	.92	.97	1.01	1.02	1.05	1.00	14	16	23	25	21	19	25	13	90	67	73	75	92
17	1.03	1.05	1.08	1.07	1.08	1.06	18	23	31	30	25	24	32	17	68	73	64	77	73
18	1.07	1.10	1.13	1.12	1.12	1.11	24	30	34	38	29	29	38	23	70	63	74	58	67
19	1.13	1.16	1.14	1.13	1.13	1.13	28	34	41	37	30	33	42	28	77	67	73	85	78
20	1.12	1.12	1.09	1.09	1.09	1.10	29	34	38	37	32	33	38	29	77	74	85	79	85
21	1.08	1.09	1.06	1.05	1.04	1.06	31	37	35	40	32	33	41	30	72	70	89	71	92
22	1.06	1.06	1.10	1.11	1.12	1.10	30	33	39	41	33	34	42	29	81	76	73	71	78
23	1.12	1.16	1.17	1.17	1.18	1.16	30	33	39	45	35	34	45	29	61	76	72	71	72
24	1.18	1.18	1.15	1.15	1.15	1.16	32	39	41	37	34	36	42	31	85	71	73	89	85
25	1.12	1.15	1.14	1.12	1.11	1.12	34	41	45	42	36	38	46	33	74	76	86	76	85
26	1.09	1.12	1.09	1.05	1.07	1.08	33	40	43	37	34	37	44	33	78	73	80	85	85
27	1.05	1.08	1.06	1.04	1.05	1.05	34	37	45	38	35	38	46	31	74	80	74	72	66
28	1.02	1.04	1.02	1.01	1.02	1.02	33	42	44	44	34	37	45	32	76	76	74	73	75
29	1.02	1.01	.99	.97	.99	1.00	32	41	39	37	32	34	42	32	83	80	92	82	88
30	1.00	1.02	1.02	1.00	1.02	1.01	32	39	42	38	34	36	42	30	88	68	80	76	82
31	.94	.96	.95	.93	.94	.95	28	32	42	31	28	32	42	27	92	85	76	92	88
Mean	.92	.94	.95	.94	.95	.94	22.3	27.6	33.0	32.1	26.1	27.1	34.8	21.5	76	71	74	73	78

REMARKS.

May 13. Sleet, B. 5.10 P.M.; E. 5.20 P.M.

14. Snow, { B. D. N.; E. 6.00 A.M.
 { B. 4.20 P.M.; E. 5.42 P.M.

May 15. Snow, B. 5.10 P.M.; E. 5.30 P.M.

16. " { B. 10.30 A.M.; E. 11.10 A.M.
 { B. 3.40 P.M.; E. 4.50 P.M.

MAY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Movement.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					24 Hours.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	W 56	W 40	W 21	N 2	W 20	727	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	SW 11	W 30	SW 30	SW 24	SW 16	521	*.03	.	.	.03	Fy	Cr	Cr	Cr	Cr	
3	SW 49	SW 29	SW 29	SW 24	W 29	770	.	.	.	.	Cr	Cr	F	F	F
4	SW 16	SW 25	SW 29	SW 26	SW 30	500	.	.	.	.	Cr	Cr	F	Cr	Cr
5	W 60	W 56	SW 32	W 32	W 44	1136	.	.	.	.	Cr	Cr	Cr	Cy	Cr
6	NW 23	W 42	W 17	W 19	W 18	783	.	.	.	.	Cr	Cr	Cr	F	Cy
7	NW 36	W 9	SW 22	SW 28	W 44	602	.	.	.	.	Cr	Cr	Cr	Cr	Cr
8	W 52	W 64	W 48	W 36	SW 47	1194	.	.	.	.	F	Cr	Cr	Cr	Cr
9	W 44	SW 46	S 22	SW 26	SW 28	879	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	W 50	SW 44	W 22	SW 22	SW 24	768	.	.	.	.	Cr	Cr	Cr	F	Cr
11	W 28	W 30	SW 20	SW 27	SW 20	760	.	.	.	.	Cr	Cr	Cr	Cr	Cr
12	W 43	SW 26	SW 25	SW 27	SW 23	692	.	.	.	.	Cr	Cr	Cr	Cr	Cr
13	SW 44	W 68	W 34	SW 26	N 16	875	.	.	T	T	F	Cy	Cy	Cy	F	
14	N 16	N 12	NW 3	N 7	N 24	226	.14	.01	.06	.21	LS	Cy	Cy	LS	F	
15	NW 17	0	W 12	NW 18	0	352	.	.	.02	.02	Cr	Cr	F	Cy	F	
16	N 11	N 9	N 7	N 1	W 12	149	.	.02	.03	.05	Fy	F	Cy	F	Cy	
17	NE 22	NE 13	NE 6	SE 8	E 2	300	.	.	.01	.01	Cr	Cr	F	Cy	Cr	
18	N 2	NE 4	E 4	S 1	0	98	.	.	.	.	Cr	Cr	Cr	Cr	Cr
19	NW 1	0	S 2	0	SW 16	185	.	.	.03	.03	Cr	Cr	F	LS	Cr	
20	N 18	N 12	N 4	N 6	NE 5	252	.	.	T	T	Cr	Cr	F	F	Cr	
21	N 12	0	N 5	W 4	SW 18	226	.	T	.	T	Cr	Cr	F	Cr	Cr	
22	N 8	NW 12	N 10	NE 6	NW 8	366	.	.	.	.	Cr	Cr	Cr	Cr	Cr
23	N 12	NE 4	NW 1	E 1	NW 4	238	.	.	.	.	Cr	Cr	Cr	Cr	Cr
24	N 9	N 1	0	NW 14	SW 10	175	.	.	.	.	Cr	Cr	Cr	Cy	Cr
25	N 16	N 6	N 3	E 2	0	239	.	.	.	.	Cr	Cr	Cy	Cy	Cr
26	W 16	NE 2	E 6	W 24	N 4	182	.	T	.01	.01	Cr	Cr	Cy	F	Cr	
27	N 20	NW 7	0	SW 10	SW 17	281	.	.	.	.	Cr	Cr	F	F	F
28	SW 5	SW 2	W 4	W 15	N 7	197	.	T	T	T	Cr	Cr	Cr	Cr	Cr	
29	NW 2	0	SW 16	W 24	W 20	252	.	.	.	.	Cr	F	F	F	Cr
30	W 18	0	W 12	NW 8	SW 10	299	.	.	.	.	Cr	Cr	Cy	Cy	F
31	W 20	S 7	SW 14	W 13	SW 13	493	.	.	.04	.04	Cy	F	F	F	Cr	
Mean	24	19	15	16	17	14717	.17	.03	.20	.40						

REMARKS.

May 17. Snow, B. 4.10 P.M.; E. 4.22 P.M.
 19. " B. 4.56 P.M.; E. 5.20 P.M.

May 20. Snow, B. 1.20 P.M.; E. 1.28 P.M.
 21. Sleet, B. 12.45 P.M.; E. 12.55 P.M.

* Frost.

MAY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	c 2 w	0	0	0	0	0	K 2 w	K 2NW	0
2	Hidden	0	0	0	0	D.Fog sw	0	0	K 2 sw	0
3	0	0	0	0	0	0	KS 2 sw	KS 6 sw	K 6 sw	KS 4 w
4	0	0	0	0	0	K 2 sw	0	K 4 sw	K 2 sw	0
5	0	0	0	0	0	0	0	0	s 8 w	KS 2 w
6	0	0	0	CS 4 w	0	0	0	0	0	s 9 w
7	0	0	0	0	0	0	0	0	0	0
8	0	0	CS 3 w	0	0	s 4 w	KS 3 w	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	K 2 w	KS 6 sw	0
11	0	c 3 w	0	0	0	0	0	0	0	0
12	0	c 3 sw	c 3 sw	CS 2 sw	c 2 sw	0	0	0	0	0
13	0	CS 6 w	0	0	0	s 4 sw	s 3 w	KS 8 w	KS 9 sw	KS 6NW
14	Hidden	0	Hidden	Hidden	0	N 10 N	KS 8 N	s 10NW	N 10	KS 4NW
15	0	0	CS 4 w	0	CK 4 w	0	0	0	KS 8NW	0
16	Hidden	0	0	0	Hidden	D. Fog N	K 6NW	K 8NW	K 4NW	KS 10 w
17	0	0	0	0	0	0	0	K 4 NE	KS 8 sw	0
18	0	0	0	0	0	0	0	K 3 sw	K 2 sw	0
19	0	0	0	Hidden	0	0	K 2 sw	K 4 sw	N 10	0
20	0	0	0	0	0	0	0	KS 4NW	KS 7NW	s 2
21	0	0	0	0	0	0	K 3 sw	KS 7NW	0	0
22	0	0	0	0	0	0	0	K 3NW	0	0
23	0	0	0	0	0	0	0	K 1 w	0	0
24	0	0	0	0	0	0	0	K 1 w	KS 8NW	0
25	0	0	CK 2 NW	0	0	0	0	KS 6NW	s 8	s 3
26	c 2 w	0	0	0	0	0	KS 2NW	KS 8 sw	KS 7 w	s 3NW
27	0	0	0	0	0	0	0	KS 5 w	KS 6 sw	s 4 sw
28	0	0	0	0	0	0	K 2 sw	K 3 w	K 3 w	KS 3NW
29	0	0	0	CS 3 w	0	0	K 6 sw	KS 7 sw	K 3 w	0
30	0	0	0	0	0	0	0	KS 8 w	s 8NW	s 7 sw
31	0	0	c 4 sw	0	0	s 9 w	s 6 sw	K 2 sw	KS 4 w	0

REMARKS.

May 26. Snow, { B. 12.30 P.M.; E. 12.38 P.M.
 { B. 1.15 P.M.; E. 1.55 P.M.
 28. Sleet, B. 12.50 P.M.; E. 12.55 P.M.

May 28. Snow, B. 5.35 P.M.; E. 5.51 P.M.
 31. Hail, B. 2.20 P.M.; E. 2.40 P.M.

JUNE, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.								Relative Humidity.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.94	.96	.96	.96	.98	.96	25	35	40	32	28	31	40	25	86	78	82	92	100
2	.99	.99	1.01	1.00	1.03	1.01	26	24	27	28	26	26	29	24	100	100	100	100	96
3	1.02	1.03	1.02	1.00	1.02	1.02	25	30	30	28	25	27	32	25	92	92	96	92	80
4	1.03	1.04	1.04	1.00	1.04	1.04	26	28	28	25	25	26	30	24	78	84	100	100	80
5	1.01	1.01	1.02	.99	.97	1.00	28	24	32	30	26	29	33	24	88	100	87	88	100
6	.94	.96	.94	.95	.94	.94	27	32	28	31	26	27	33	24	78	74	100	96	100
7	.97	.96	.96	.96	1.00	.98	27	34	30	32	27	28	35	24	90	82	88	81	78
8	1.02	1.06	1.07	1.08	1.10	1.07	29	33	35	34	29	31	36	25	77	79	89	78	72
9	1.10	1.11	1.10	1.08	1.09	1.10	33	36	38	37	33	34	39	28	80	74	72	82	78
10	1.08	1.05	1.07	1.00	1.01	1.06	35	35	38	37	35	36	39	32	75	75	86	78	85
11	.97	.93	.93	.92	.87	.92	29	34	41	34	32	34	42	29	84	85	82	92	88
12	.78	.76	.84	.83	.84	.82	27	29	36	37	32	32	37	27	84	84	79	66	85
13	.82	.87	.87	.88	.91	.87	29	35	38	41	32	33	42	29	74	74	79	70	74
14	.89	.91	.92	.92	.94	.92	30	38	39	42	34	34	43	29	72	64	73	65	72
15	.88	.89	.93	.93	.94	.92	28	34	40	39	33	34	41	28	92	82	76	86	78
16	.93	.97	.97	1.00	1.03	.98	25	35	40	39	33	32	40	25	70	69	65	76	88
17	1.04	1.08	1.08	1.06	1.09	1.07	28	36	36	38	35	33	39	28	84	70	92	86	69
18	1.05	1.04	1.00	.98	1.00	1.02	30	38	42	42	34	35	44	30	78	62	80	50	78
19	1.00	1.03	1.06	1.06	1.08	1.05	29	34	40	37	32	34	41	29	77	74	76	85	88
20	1.06	1.08	1.09	1.06	1.05	1.07	29	39	43	43	34	35	44	29	84	75	68	80	85
21	1.02	1.04	1.02	1.05	1.08	1.04	32	43	42	42	30	35	44	30	85	78	74	79	88
22	1.05	1.08	1.10	1.09	1.09	1.08	29	33	36	34	29	31	36	27	67	92	80	82	92
23	1.05	1.07	1.07	1.05	1.04	1.06	32	37	32	35	32	32	38	28	78	82	100	86	88
24	1.01	1.01	1.01	1.00	1.01	1.01	30	37	33	38	35	33	38	30	80	66	83	85	82
25	.99	1.03	1.03	.98	1.04	1.02	30	38	42	36	33	35	42	30	85	74	76	85	78
26	1.02	1.08	1.08	1.08	1.09	1.06	33	38	32	34	32	32	39	32	81	75	100	82	86
27	1.08	1.06	1.08	1.07	1.07	1.07	32	38	37	35	34	35	39	31	85	73	92	100	100
28	1.08	1.06	1.08	1.10	1.12	1.10	32	42	46	48	42	40	52	32	83	74	63	83	68
29	1.13	1.14	1.17	1.13	1.15	1.15	38	45	49	47	39	42	51	37	75	72	77	80	100
30	1.17	1.16	1.16	1.14	1.13	1.15	36	45	48	49	42	42	50	36	65	71	74	71	62
Mean	1.00	1.02	1.02	1.01	1.02	1.02	29.6	35.3	37.3	36.8	32.0	33.0	39.7	28.4	81	78	83	82	84

REMARKS.

June 1. Hail, { B. 3.50 P.M.; E. 3.55 P.M.
 { B. 7.00 P.M.; E. 8.10 P.M.
 2. Snow, B. D. N.; E. 7.36 P.M.
 3. Sleet, B. 11.50 A.M.; E. 12.00 M.

June 4. { Sleet, B. 12.55 P.M.; E. 1.30 P.M.
 { Snow, B. 3.10 P.M.; E. 5.45 P.M.
 5. Snow, { B. 8.30 A.M.; E. 12.20 P.M.
 { B. 2.10 P.M.; E. 3.30 P.M.

June 6. { Sleet, B. 12.40 P.M.; E. 1.20 P.M.
 { Snow, B. 5.10 P.M.; E. 8.15 P.M.
 7. Sleet, B. 12.10 P.M.; E. 12.25 P.M.
 8. " B. 12.10 P.M.; E. 12.15 P.M.

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JUNE, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	SW 18	SW 12	SW 10	S 6	N 3	317	*T	.	.06	.06	F	Cr	F	Fy	Cy	
2	S 2	W 8	SW 12	W 5	SW 2	207	.41	.30	.35	1.06	LS	LS	LS	LS	Fy	
3	NW 5	NW 4	SW 30	NW 29	N 26	273	.	T	.	T	Fy	Fy	Fy	F	Cr	
4	N 21	NW 3	SW 4	N 17	NE 8	311	.	.06	.09	.15	Cr	Cr	Sl	LS	Cr	
5	0	N 5	0	0	SW 13	57	.	.09	.11	.20	Cy	HS	Cy	Cy	Fy	
6	N 5	N 4	NE 15	N 1	NE 8	202	.	.09	.11	.20	Cr	Cr	Sl	Cy	Fy	
7	N 2	NE 4	N 4	N 6	NW 10	126	.	.03	.	.03	Cr	F	Cy	Cy	Cr	
8	NE 6	N 2	NW 2	NE 6	NW 14	186	.	T	.09	.09	Cr	Cy	Cy	F	Cr	
9	NE 6	NE 4	NW 3	NW 7	W 14	174	.	.	.	.	Cr	Cr	F	F	F
10	N 8	NW 22	NE 8	S 16	SE 12	278	.	.	.06	.06	Cr	Cr	Cy	F	F	
11	W 48	W 36	S 7	SW 27	SW 20	652	.	.	.02	.02	Cr	F	Cy	Cy	F	
12	SW 49	SW 44	S 20	SW 24	SW 35	842	.	.	.	.	F	F	Cr	Cr	Cr
13	SW 32	S 28	SW 40	SW 23	SW 24	755	.	.	.	.	Cr	Cr	Cr	Cr	Cr
14	SW 18	S 20	SE 20	SE 11	S 22	556	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	SW 22	SW 18	S 13	S 10	SW 16	430	*T	.	.01	.01	Fy	F	Cr	F	F	
16	W 32	SW 14	SW 12	SW 8	SE 12	448	.	.	.01	.01	Cr	Cr	Cr	F	Fy	
17	W 12	W 8	SW 21	W 7	SW 10	335	*T	.03	.	.03	F	F	Cy	Cy	Cr	
18	W 26	W 22	SW 26	W 18	NW 16	463	.	.	.	.	Cr	Cr	Cr	F	Cr
19	NE 12	NW 5	E 4	SW 2	N 5	253	.	.	.10	.10	Cr	Cr	Cr	Cy	F	
20	N 15	NW 6	SW 10	S 12	W 26	305	.	.	.01	.01	Cr	Cr	Cy	F	Cr	
21	NW 22	N 10	W 13	SW 16	W 5	392	.	.	T	T	Cr	Cr	Cr	Cy	Cy	
22	N 14	NE 5	N 5	NE 13	NE 6	171	.	.	.06	.06	Cr	Cy	F	Cy	Cy	
23	NE 14	N 2	NE 10	NE 11	N 3	201	.02	.03	.03	.08	Cr	F	LS	F	Cr	
24	NW 16	NW 12	NW 25	N 7	NW 18	331	.	.09	.	.09	Cr	Cr	Cy	Cy	F	
25	W 18	W 20	W 3	NW 15	NW 20	321	.	.	.	.	Cr	Cr	F	F	Cr
26	NW 20	N 4	NW 8	W 25	NW 14	344	.	.04	.02	.06	Cr	Cr	LS	F	Cr	
27	N 19	N 5	E 8	NW 15	W 24	293	.	.07	.05	.12	Cr	Cr	Hl	LS	Fy	
28	W 10	W 16	W 15	W 9	E 6	281	.	.	.	.	F	Cr	Cr	F	Cr
29	N 8	SE 2	E 4	SW 19	S 26	226	.	.	†T	T	Cr	Cr	F	Cy	Fy	
30	W 20	SW 11	W 16	SW 10	W 16	332	.	.	T	T	Cr	F	F	F	Cr	
Mean	17	12	12	12	14	10062	.43	.83	1.18	2.44						

REMARKS.

June 8. Sleet, B. 1.15 P.M.; E. 2.00 P.M.
 10. Snow, B. 2.18 P.M.; E. 2.40 P.M.
 11. Sleet, B. 4.10 P.M.; E. 4.35 P.M.

June 15. Sleet, B. 3.40 P.M.; E. 3.55 P.M.
 16. " B. 4.40 P.M.; E. 4.50 P.M.
 17. " B. 11.50 A.M.; E. 12.45 P.M.

June 19. Sleet, B. 2.50 P.M.; E. 4.30 P.M.
 20. Snow, B. 1.50 P.M.; E. 2.08 P.M.
 21. Sleet, B. 8.30 A.M.; E. 8.35 A.M.

* Frost.

† Fog.

JUNE, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	cs 6 sw	0	0	Hidden	Hidden	0	K 3 sw	K 6 sw	D. Fog s	s 10 w
2	Hidden	Hidden	Hidden	Hidden	Hidden	N 10	N 10	N 10 sw	N 10 w	D. Fog sw
3	Hidden	Hidden	Hidden	0	0	D. Fog nw	D. Fog nw	D. Fog sw	K 5 nw	0
4	0	0	Hidden	Hidden	0	0	K 3 sw	N 10 sw	N 10	0
5	0	Hidden	0	0	Hidden	ks 8 nw	N 10	K 8 nw	ks 9 sw	D. Fog sw
6	0	0	Hidden	0	Hidden	0	K 2 w	N 10	ks 8 nw	D. Fog N
7	0	0	0	0	0	0	K 4 NE	ks 8 nw	ks 9 N	ks 3 nw
8	0	0	0	0	0	0	K 8 NE	ks 9 nw	K 4 nw	ks 2 w
9	0	0	0	0	0	0	K 3 NE	ks 4 nw	ks 6 nw	ks 6 w
10	0	0	0	0	c 4 sw	0	K 2 nw	ks 8 NE	ks 6 sw	ks 2 sw
11	ck 2 w	cs 4 w	0	0	cs 4 sw	0	0	ks 9 sw	ks 9 sw	0
12	cs 6 sw	cs 4 sw	0	0	0	0	0	K 2 sw	K 2 sw	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	K 3 sw	K 2 se	ks 3 s
15	Hidden	0	0	0	0	D. Fog sw	K 6 w	K 2 sw	K 7 sw	ks 6 sw
16	0	0	0	0	Hidden	0	K 2 sw	K 3 sw	K 7 sw	D. Fog sw
17	0	0	0	0	0	ks 6 w	K 4 w	K 8 sw	ks 8 w	K 3 sw
18	c 3 w	0	c 2 sw	0	0	0	0	0	K 6 w	0
19	0	c 1 w	0	0	0	0	0	K 2 sw	ks 8 sw	ks 6 nw
20	0	0	0	0	0	0	0	ks 8 sw	ks 6 sw	K 3 w
21	0	0	0	0	Hidden	0	0	K 3 w	ks 9 sw	s 10 w
22	0	0	0	0	Hidden	0	K 9 NE	K 6 nw	ks 8 nw	s 10 NE
23	0	0	Hidden	0	cs 2 N	0	K 4 NE	N 10	ks 6 nw	0
24	0	0	0	0	0	0	0	ks 8 nw	ks 9 nw	s 5 nw
25	0	0	0	cs 3 nw	0	s 3 w	ks 2 w	ks 7 w	s 4 nw	s 3 nw
26	0	0	Hidden	0	0	0	0	N 10 nw	ks 6 w	0
27	0	0	Hidden	Hidden	Hidden	0	K 3 NE	N 10 NE	N 10 nw	D. Fog w
28	0	0	0	0	0	ks 4 w	0	K 2 w	K 7 w	ks 2 nw
29	0	0	0	0	Hidden	0	0	K 6 NE	ks 9 sw	D. Fog s
30	0	c 7 w	0	ck 4 sw	0	0	0	K 6 w	0	0

REMARKS.

June 22. Sleet, B. 2.45 P.M.; E. 3.30 P.M.
 23. Snow, B. D. N.; E. D. N.
 { Snow, B. 12.20 P.M.; E. 1.40 P.M.
 23. { Sleet, B. 1.45 P.M.; E. 3.50 P.M.

June 24. Sleet, B. 12.30 P.M.; E. 12.45 P.M.
 26. Snow, B. 12.50 P.M.; E. 1.40 P.M.
 26. " B. 3.40 P.M.; E. 4.30 P.M.

June 27. { Hail, B. 12.55 P.M.; E. 1.10 P.M.
 { Snow, B. 2.40 P.M.; E. 5.15 P.M.
 30. Hail, B. 5.40 P.M.; E. 5.43 P.M.

JULY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	1.07	1.12	1.14	1.13	1.13	1.11	36	44	53	54	46	45	54	36	82	74	69	69	62
2	1.12	1.15	1.15	1.15	1.13	1.13	40	49	54	53	45	46	54	39	69	71	74	77	71
3	1.14	1.12	1.15	1.15	1.15	1.14	41	47	55	55	46	47	55	40	67	83	67	74	67
4	1.10	1.15	1.16	1.11	1.13	1.13	39	45	53	44	42	45	54	39	65	58	41	74	62
5	1.10	1.15	1.17	1.18	1.18	1.15	38	47	48	39	38	41	48	37	72	57	54	86	79
6	1.19	1.20	1.21	1.23	1.23	1.21	38	46	45	46	40	41	48	37	79	71	58	50	65
7	1.20	1.25	1.25	1.24	1.25	1.24	36	44	44	50	39	40	51	36	58	68	68	48	73
8	1.21	1.20	1.23	1.21	1.20	1.21	37	45	47	45	41	42	48	37	79	58	56	58	68
9	1.15	1.17	1.20	1.20	1.22	1.19	39	45	46	48	42	42	49	39	65	39	40	32	61
10	1.21	1.23	1.26	1.24	1.25	1.24	38	46	50	55	43	44	55	38	57	55	44	34	51
11	1.23	1.26	1.25	1.25	1.28	1.25	42	49	52	48	43	46	52	41	50	46	40	48	63
12	1.22	1.24	1.23	1.21	1.23	1.23	38	46	45	46	41	41	46	38	86	59	58	56	67
13	1.20	1.20	1.22	1.20	1.23	1.22	43	46	46	54	43	44	55	40	63	54	77	51	68
14	1.18	1.20	1.24	1.21	1.22	1.21	42	49	53	50	46	47	54	40	48	44	40	46	58
15	1.21	1.20	1.23	1.22	1.22	1.22	41	48	50	51	46	46	52	40	64	52	53	43	53
16	1.19	1.19	1.19	1.18	1.19	1.19	43	52	57	46	40	47	57	40	58	59	58	63	92
17	1.10	1.16	1.17	1.16	1.14	1.14	40	48	49	43	42	44	50	40	73	57	67	74	68
18	1.15	1.17	1.13	1.15	1.15	1.14	41	47	45	42	41	42	49	39	74	50	71	93	100
19	1.09	1.12	1.12	1.08	1.08	1.10	38	44	41	38	38	39	45	38	79	63	75	86	92
20	1.08	1.10	1.08	1.05	1.10	1.09	37	43	44	43	38	40	44	37	82	68	60	80	86
21	1.09	1.10	1.12	1.06	1.13	1.11	36	42	47	39	38	40	47	35	92	86	83	79	79
22	1.11	1.12	1.12	1.08	1.11	1.12	38	46	45	43	40	41	46	38	79	71	76	86	96
23	1.07	1.09	1.12	1.13	1.13	1.11	36	40	43	40	37	39	43	36	92	92	74	100	92
24	1.12	1.14	1.11	1.11	1.12	1.11	38	43	45	43	38	40	45	37	79	63	75	73	79
25	1.08	1.10	1.09	1.08	1.11	1.10	35	43	48	43	37	40	48	35	69	69	66	79	92
26	1.10	1.11	1.10	1.11	1.13	1.11	35	39	46	45	40	40	46	35	75	79	63	71	100
27	1.13	1.13	1.09	1.07	1.08	1.10	38	46	50	45	39	42	50	38	83	58	61	63	79
28	1.03	1.06	1.07	1.06	1.05	1.05	37	46	50	43	42	43	50	37	85	62	52	80	74
29	1.01	1.05	1.03	1.00	1.05	1.03	38	44	38	41	40	39	45	38	80	53	72	67	75
30	1.05	1.07	1.08	1.05	1.06	1.06	40	44	45	52	43	43	53	39	64	65	63	69	86
31	1.05	1.06	1.06	1.06	1.10	1.07	38	43	47	40	40	42	47	38	82	68	83	73	73
Mean	1.13	1.15	1.15	1.14	1.15	1.15	38.6	45.3	47.8	45.9	41.1	42.5	49.8	37.9	73	63	62	67	75

REMARKS.

July 2. Hail, B. D. N.; E. D. N.
 4. Sleet, B. 4.15 P.M.; E. 4.30 P.M.
 5. Sleet, { B. D. N.; E. D. N.
 { B. 12.20 P.M.; E. 12.30 P.M

July 5. { Rain, B. 1.40 P.M.; E. 1.55 P.M.
 { Snow, B. 4.45 P.M.; E. 5.50 P.M.
 6. Sleet, B. 11.50 A.M.; E. 12.03 P.M.
 7. " B. 11.10 A.M.; E. 11.22 A.M.

July 12. Sleet, B. 3.00 P.M.; E. 3.14 P.M.
 16. { Sleet, 4.49 P.M.; E. 5.05 P.M.
 { Rain, B. 5.15 P.M.; E. 8.10 P.M.
 17. Rain, B. 1.20 P.M.; E. 1.40 P.M.

JULY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00										
1	W 52	SW 20	SW 12	SW 18	W 19	692	.	.	.	.	Cr	Cr	Cr	Cr	Cr
2	W 13	SW 12	SW 16	SW 10	W 10	356	T	.	.	T	Cr	Cr	Cr	F	Cr
3	SW 19	SW 37	S 12	SW 10	W 8	484	.	.	.	.	Cr	Cr	Cr	Cr	Cr
4	W 36	W 29	S 20	SW 28	SW 20	601	.	.	.02	.02	Cr	Cr	F	Cy	F
5	W 40	W 4	E 10	S 14	S 14	532	T	.01	.21	.22	F	Cr	Cy	LS	Cr
6	S 16	SE 6	E 8	E 16	E 17	284	.	.02	.	.02	Cr	Cr	F	F	Cr
7	E 12	E 4	E 8	E 3	SE 16	259	.	.01	.	.01	Cr	Cr	F	Cr	Cr
8	W 15	NE 8	NE 12	E 10	SE 2	268	.	.	.	.	Cr	Cr	Cr	Cr	Cr
9	NE 24	E 12	E 12	E 11	SE 16	346	.	.	.	.	Cr	Cr	Cr	Cr	Cr
10	SE 10	SE 16	E 12	SE 5	SW 17	302	.	.	.	.	Cr	Cr	Cr	Cr	Cr
11	NW 12	N 4	NE 12	NE 20	NE 4	262	.	.	.	.	Cr	Cr	Cr	Cy	F
12	N 6	NE 7	E 14	NE 10	E 12	225	.	.	.01	.01	Cr	Cr	F	F	F
13	0	NE 4	E 4	E 4	SW 11	94	.	.	.	.	Cr	Cr	F	Cr	Cr
14	NE 16	NE 16	NE 13	NE 12	W 15	295	.	.	.	.	Cr	Cr	Cr	Cr	Cr
15	NE 14	E 20	NE 18	E 1	E 8	415	.	.	.	.	Cr	Cr	Cy	Cr	Cr
16	SE 1	S 2	SW 6	N 2	W 34	158	.	.	.16	.16	F	Cr	F	Sl	Fy
17	W 40	N 12	NE 6	W 10	NW 24	511	.	.	.50	.50	Cr	Cr	Cy	Cy	Cr
18	N 7	W 12	NW 16	NE 5	W 4	267	.	T	.05	.05	Cr	Cr	LR	Fy	Cy
19	W 24	W 18	E 13	SW 12	W 18	334	.	.09	.46	.55	Cr	F	HL	LR	F
20	NW 1	NE 1	SW 6	W 4	N 12	169	.02	.09	.61	.72	F	F	Sl	Cy	F
21	N 4	N 1	NW 3	NW 15	NE 5	139	.	.	.35	.35	Cr	F	Cy	Cy	F
22	S 4	S 3	SE 6	E 6	E 9	106	.	.07	.18	.25	Cr	Cr	Cy	Cy	Fy
23	W 16	NW 5	NW 2	N 10	NE 14	257	.14	.	.10	.24	Cy	F	Cy	LR	Cr
24	NE 14	NE 8	W 1	W 17	W 4	232	.	.	.03	.03	Cr	Cr	Cy	Cy	Cr
25	W 24	NE 1	SW 8	NE 3	NE 6	250	.	.	.04	.04	F	F	F	F	Cy
26	NW 11	NE 1	NW 5	S 10	S 17	180	.	.	.	.	Cr	F	Cr	F	Fy
27	NW 12	0	NE 3	W 14	W 18	242	.	.	.02	.02	Cr	Cr	F	Cr	F
28	W 16	0	NW 5	SE 3	0	155	.	.	.03	.03	Cr	Cr	F	LR	Cr
29	W 16	NE 2	NW 16	0	0	235	.	.	.01	.01	F	F	Cy	Cr	Cr
30	0	0	E 3	0	0	25	.	.	.	.	Cr	Cr	F	F	Cy
31	W 15	W 9	W 8	NE 10	N 5	225	.01	.	.06	.07	Cy	F	Cy	F	Cr
Mean	16	9	9	10	12	8900	.17	.29	2.84	3.30					

REMARKS.

July 17. Hail, B. 1.45 P.M.; E. 2.50 P.M.
 18. Rain, B. 12.56 P.M.; E. 2.00 P.M.
 19. Hail, B. 12.55 P.M.; E. 1.40 P.M.

July 19. Rain, B. 2.00 P.M.; E. 5.50 P.M.
 20. { Rain, B. D.N.; E. D.N.
 { Sleet, B. 12.50 P.M.; E. 1.18 P.M.

July 20. Rain, { B. 2.00 P.M.; E. 4.20 P.M.
 { B. 5.10 P.M.; E. 7.00 P.M.
 21. Rain, B. 1.15 P.M.; E. 2.30 P.M.

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JULY, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds ; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	C 3 W	0	0	0	0	0	0	0	K 2 SW	K 2 W
2	0	0	0	0	0	0	0	K 2 SW	KS 7 SW	K 2 W
3	0	0	0	0	0	0	0	K 2 SW	K 3 SW	0
4	0	0	CS 5 SW	0	0	0	0	0	KS 9 SW	S 4 SW
5	0	0	0	Hidden	0	KS 6 W	K 2 W	K 8 E	N 10 SW	S 2 S
6	0	0	0	0	0	0	K 1 S	K 4 SE	KS 6 SE	S 2 E
7	0	0	0	CK 3 SW	0	0	0	K 6 E	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	CS 6 NW	0	0	K 2 NE	KS 8 NW	0
12	0	CS 3 NW	0	0	CK 5 E	0	0	KS 6 E	KS 6 N	0
13	0	0	0	0	0	0	0	K 7 E	K 2 E	0
14	0	0	0	0	CS 2 W	0	0	KS 2 NE	0	0
15	0	0	0	0	0	0	0	KS 8 NE	K 2 NE	0
16	0	0	0	Hidden	Hidden	S 4 E	0	K 7 SW	N 10 NW	D.Fog W
17	0	C 1 NW	0	0	0	0	0	KS 8 NE	KS 9 W	S 3 NW
18	0	C 2 W	Hidden	Hidden	Hidden	0	0	N 10 NW	D.Fog NE	S 10
19	0	C 4 W	Hidden	Hidden	0	K 1 W	0	N 10 NE	N 10 S	K 7 W
20	0	C 3 NW	Hidden	Hidden	0	S 4	KS 4 N	N 10 SW	S 10 W	S 6 NW
21	C 3 NW	0	0	0	0	0	K 6 N	K 8 NW	S 8 NW	KS 4 N
22	CK 3 SW	CK 3 SW	0	Hidden	Hidden	0	0	KS 8 SE	S 10 E	D.Fog E
23	0	0	0	Hidden	0	KS 9 W	K 4 NW	KS 8 NW	N 10 N	S 3 NE
24	0	0	0	0	0	S 2 NE	0	K 8 W	KS 8 W	S 1 W
25	0	0	0	0	0	S 6 W	K 6 NE	KS 7 SW	KS 6 NE	S 9 NE
26	0	0	0	0	Hidden	0	K 4 NE	K 3 NW	K 4 S	D.Fog SW
27	0	0	0	CK 3 W	0	0	K 2 SW	K 6 NE	0	KS 7 W
28	0	C 3 W	0	Hidden	0	0	0	KS 6 NW	N 10 SE	KS 1 SW
29	0	0	0	CK 3 W	0	KS 7 W	S 4 NE	KS 9 NW	0	0
30	0	0	0	0	0	0	0	K 4 E	K 6 S	KS 8 SW
31	0	0	0	0	0	KS 8 W	K 7 W	S 9 W	KS 6 NW	0

REMARKS.

July 21. Snow, B. 2.40 P.M.; E. 4.00 P.M.
 22. Sleet, { B. 12.15 P.M.; E. 12.45 P.M.
 { B. 3.10 P.M.; E. 4.30 P.M.
 23. Rain, B. D. N.; E. D. N.

July 23. Rain, B. 3.10 P.M.; E. 5.50 P.M.
 24. " B. 2.10 P.M.; E. 2.30 P.M.
 25. Sleet, B. 1.40 P.M.; E. 1.57 P.M.
 27. " B. 1.50 P.M.; E. 2.00 P.M.

July 28. Rain, B. 5.00 P.M.; E. 5.16 P.M.
 29. Snow, B. 1.10 P.M.; E. 1.40 P.M.
 31. Sleet, { B. D. N.; E. D. N.
 { B. 3.10 P.M.; E. 3.50 P.M.

AUGUST, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	1.10	1.14	1.14	1.13	1.15	1.13	40	43	46	43	40	42	46	39	68	74	63	86	92
2	1.12	1.14	1.12	1.08	1.10	1.11	38	40	48	38	35	40	48	35	92	82	71	100	100
3	1.05	1.06	1.11	1.10	1.14	1.10	42	48	38	41	37	39	48	34	86	89	92	67	84
4	1.12	1.16	1.15	1.11	1.15	1.14	34	42	46	44	39	40	46	33	79	74	73	74	65
5	1.11	1.18	1.18	1.17	1.19	1.16	36	41	46	44	38	40	46	35	56	49	58	68	71
6	1.17	1.18	1.18	1.18	1.16	1.17	42	41	48	43	43	44	48	38	68	67	71	74	59
7	1.16	1.14	1.15	1.11	1.09	1.13	37	45	50	49	42	43	50	37	66	71	61	66	82
8	1.07	1.09	1.14	1.12	1.15	1.12	35	40	48	44	41	41	48	35	92	84	77	84	88
9	1.15	1.20	1.22	1.19	1.23	1.20	38	45	48	48	43	43	49	38	73	63	80	74	86
10	1.23	1.25	1.24	1.20	1.24	1.24	40	48	52	44	41	44	52	40	86	66	70	68	79
11	1.22	...	1.21	...	1.18	1.20	40	..	50	..	43	44	50	40	73	..	50	..	80
12	1.15	...	1.15	...	1.11	1.14	44	..	50	..	45	46	50	43	68	..	68	..	84
13	1.12	...	1.11	...	1.10	1.11	40	..	47	..	40	42	47	40	80	..	83	..	100
14	1.10	...	1.11	...	1.12	1.11	38	..	46	..	42	42	47	38	85	..	71	..	89
15	1.09	...	1.10	...	1.09	1.09	39	..	49	..	42	43	49	39	73	..	71	..	89
16	1.08	...	1.10	...	1.11	1.10	37	..	46	..	39	41	46	37	85	..	86	..	86
17	1.08	...	1.12	...	1.12	1.11	36	..	41	..	38	38	41	36	100	..	100	..	96
18	1.12	...	1.12	...	1.08	1.11	35	..	48	..	40	41	51	35	92	..	74	..	92
19	1.07	...	1.07	...	1.05	1.06	40	..	46	..	37	41	51	35	73	..	80	..	92
20	1.08	...	1.06	...	1.10	1.08	33	..	42	..	40	38	46	33	92	..	79	..	92
21	1.11	...	1.15	...	1.13	1.13	37	..	48	..	40	42	50	36	85	..	64	..	86
22	1.12	...	1.14	...	1.11	1.12	36	..	44	..	41	40	48	36	68	..	80	..	79
23	1.08	...	1.16	...	1.13	1.12	36	..	49	..	41	42	51	35	91	..	79	..	91
24	1.07	1.08	1.15	1.14	1.11	1.11	36	49	48	50	45	43	52	36	89	88	83	72	84
25	1.10	1.15	1.11	1.15	1.08	1.10	39	44	41	44	40	40	49	35	92	74	92	80	96
26	1.04	1.07	1.06	1.03	1.05	1.05	38	42	41	40	38	39	45	37	82	80	92	77	76
27	1.03	1.05	1.03	1.03	1.03	1.03	39	40	37	38	36	37	44	35	92	92	92	92	100
28	1.02	1.03	1.06	1.03	1.06	1.04	31	34	38	40	35	35	43	31	100	69	79	96	66
29	1.08	1.07	1.10	1.10	1.11	1.10	32	34	38	37	34	35	40	32	92	96	76	64	85
30	1.06	1.06	1.11	1.04	1.02	1.06	32	35	39	42	36	36	43	29	92	85	66	55	85
31	.99	.95	.94	.93	.96	.96	32	35	35	36	32	33	39	32	98	85	100	92	91
Mean	1.10	*1.11	1.12	*1.10	1.11	1.11	37.2	*41.5	44.8	*42.5	39.5	40.5	47.3	35.9	83	*77	77	*77	85

REMARKS.

Aug. 1. Hail, B. 4.40 P.M.; E. 5.08 P.M.
 2. { Hail, B. 4.10 P.M.; E. 4.30 P.M.
 Rain, B. 8.30 P.M.; E. 8.45 P.M.
 3. Rain, B. D. N.; E. D. N.

Aug. 3. Sleet, B. 12.10 P.M.; E. 1.50 P.M.
 4. " B. 2.10 P.M.; E. 2.34 P.M.
 5. Hail, B. 1.55 P.M.; E. 2.10 P.M.
 6. " B. 2.10 P.M.; E. 2.31 P.M.

Aug. 7. Sleet, B. D. N.; E. D. N.
 8. " B. 2.00 P.M.; E. 2.05 P.M.
 9. Rain, B. 6.40 P.M.; E. 6.56 P.M.
 10. Hail, B. 2.50 P.M.; E. 4.00 P.M.

* For 18 days.

1889AnHar...22...1P

AUGUST, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00										
1	SW 14	W 8	W 14	S 6	SW 17	209	.	.	.16	.16	Cr	Cr	F	Hl	Fy
2	W 18	W 16	SW 3	SW 13	0	263	.	.	.11	.11	Cy	Cy	F	Fy	Fy
3	N 10	NE 4	NE 6	N 4	W 2	104	.09	.03	.05	.17	Cy	F	Sl	F	Cr
4	W 18	SW 3	N 3	E 3	N 13	275	.	.	.01	.01	Cr	Cr	F	F	Cr
5	N 8	NW 2	NE 4	NE 2	NE 11	188	.	.	.05	.05	Cr	Cr	F	F	Cr
6	NW 12	W 10	SW 10	NE 2	NW 5	196	.	.	.04	.04	Cr	Cr	Cy	F	Cy
7	W 15	S 2	S 8	SE 10	SW 24	244	.02	.	.	.02	Cr	F	F	Cr	F
8	W 30	W 10	N 2	N 4	N 8	394	.	.	.01	.01	Cr	Cr	F	F	Cr
9	NW 8	SW 9	NE 2	E 12	SE 1	119	.	.	.01	.01	Cr	Cr	F	Cy	Cr
10	W 6	E 3	SE 5	E 6	NW 12	137	.	.	.69	.69	F	Cr	Cr	Cr	Cy
11	W 4	...	E 19	...	S 3	223	.	.	.	.	Cr	.	F	.	Cr
12	NW 14	...	SE 2	...	SE 4	169	.	.	.02	.02	Cr	.	F	.	Cy
13	W 14	...	N 1	...	W 6	183	.	.	.61	.61	Cr	.	F	.	LR
14	N 12	...	E 16	...	SE 12	246	.01	.	.11	.12	Cr	.	F	.	Cy
15	W 24	...	SE 1	...	SW 18	310	.	.01	.42	.43	Cr	.	F	.	Cy
16	W 4	...	SE 5	...	SW 20	226	.	.	.01	.01	Cr	.	Fy	.	Fy
17	W 19	...	SW 6	...	SW 9	266	†T	†T	.02	.02	Fy	.	Fy	.	Cy
18	W 16	...	SW 4	...	W 18	299	.	.	.01	.01	Cr	.	Cy	.	Cy
19	W 16	...	W 2	...	W 8	294	.	.	.01	.01	F	.	Cy	.	F
20	W 20	...	NE 2	...	NW 1	181	.	.	.	.	Cr	.	F	.	Cr
21	N 3	...	E 6	...	E 8	106	.	.	.	.	Cr	.	F	.	Cr
22	NE 20	...	E 8	...	SE 20	296	.	.	.	.	F	.	Cr	.	Cr
23	S 24	...	SW 12	...	SW 18	478	.	.	.	.	Cr	.	Cy	.	Cr
24	W 24	E 8	N 3	S 8	S 6	330	†T	.	.	T	Cr	F	Cy	Cy	Cy
25	W 1	E 1	NE 1	NE 1	E 12	34	T	.02	.	.02	F	F	Cy	Cy	Cy
26	NE 16	NE 12	NE 12	E 18	NE 9	260	T	.	T	T	F	Cy	Cy	F	Cy
27	NE 3	0	E 12	SE 1	S 4	119	†T	T	.01	.01	F	Fy	Cy	Fy	LR
28	NE 14	NE 14	NE 5	E 6	NE 18	214	.20	.	.22	.42	Cy	Cr	Cr	Cy	Cr
29	NE 16	NE 12	0	NE 7	SW 3	211	.	.	.	.	Cr	Cr	Cy	F	Cr
30	W 30	W 30	W 20	SW 4	SW 2	444	.	.01	.09	.10	Cr	Cr	Cy	F	Cy
31	S 10	S 8	W 20	W 10	S 12	235	.	.10	.03	.13	Fy	Fy	Sl	Fy	F
Mean	14	*8	7	*6	10	7253	.32	.17	2.69	3.18					

REMARKS.

Aug. 12. Rain, B. 3.10 P.M.; E. 3.25 P.M.
 13. " { B. 3.00 P.M.; E. 5.10 P.M.
 { B. 7.45 P.M.; E. D.N.
 14. " B. 5.11 P.M.; E. 7.10 P.M.
 * For 18 days.

Aug. 15. { Sleet, B. 10.30 A.M.; E. 10.45 A.M.
 { Rain, B. 2.10 P.M.; E. 3.35 P.M.
 { Sleet, B. 6.00 P.M.; E. 8.10 P.M.
 16. Sleet, B. 4.10 P.M.; E. 4.25 P.M.
 † Fog.

Aug. 17. Sleet, B. 2.15 P.M.; E. 2.29 P.M.
 18. { Rain, B. 5.15 P.M.; E. 6.15 P.M.
 { Snow, B. 7.00 P.M.; E. 7.15 P.M.
 19. Rain, B. 3.25 P.M.; E. 5.10 P.M.
 † Dew.

AUGUST, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	0	0	0	Hidden	Hidden	0	K 2 W	K 6 W	N 10 SW	D.Fog SW
2	Hidden	0	0	Hidden	Hidden	s 10 W	s 9 W	KS 7 SW	D.Fog SW	D. Fog
3	0	0	Hidden	0	0	s 8 NW	K 7 NE	N 10 NE	K 4 N	s 2 W
4	0	0	0	0	0	K 2 W	K 2 SW	K 6 N	KS 7 E	KS 2 NW
5	0	c 2 W	0	0	0	0	0	KS 4 NE	K 6 NE	KS 2 NE
6	0	c 1 W	0	0	0	0	0	KS 9 SW	KS 5 NE	KS 8 NW
7	0	0	0	0	0	s 2	KS 4 SW	KS 6 S	KS 2 S	s 4 SW
8	0	0	0	0	0	0	K 3 W	KS 6 N	K 4 NW	0
9	0	0	0	0	CS 3 SE	0	0	KS 6 NE	K 8 NE	0
10	0	CS 3 E	0	0	CK 8 NW	s 4 W	0	K 3 SE	KS 2 E	0
11	CS 2 W	.....	0	.....	0	0	.....	KS 6 E	.....	KS 3 SW
12	0	.....	0	.....	0	0	.....	K 7 SE	.....	KS 8 SW
13	0	.....	0	.....	Hidden	0	.....	K 6 N	.....	N 10 W
14	c 1 N	.....	0	.....	0	0	.....	KS 5 E	.....	KS 8 SE
15	CS 3 W	.....	0	.....	0	0	.....	K 7 SE	.....	KS 8 SW
16	0	.....	Hidden	.....	Hidden	s 3 W	.....	D. Fog s	.....	D.Fog SW
17	Hidden	.....	Hidden	.....	0	D. Fog w	.....	D. Fogsw	.....	KS 8 SW
18	0	.....	0	.....	0	K 2 W	.....	K 8 SW	.....	s 8 W
19	CS 5	.....	0	.....	0	s 2	.....	K 8	.....	s 5
20	CS 3	.....	c 3 E	.....	0	0	.....	K 4	.....	KS 3 SW
21	c 2	.....	c 4 NW	.....	0	0	.....	KS 3	.....	s 1
22	c 4 NE	.....	0	.....	0	0	.....	K 2	.....	L. Haze
23	CS 2 N	.....	c 4 NE	.....	0	0	.....	K 4 N	.....	KS 3 E
24	c 1	0	Hidden	c 3 NE	Hidden	0	KS 7	KS 10 N	K 5 NE	s 10
25	0	c 2 N	Hidden	0	Hidden	KS 4	K 4	s 10	{K 3 s 5 SW	s 10
26	c 4 W	CK 6 SW	0	c 3	Hidden	0	K 2	KS 9	K 4	s 10
27	c 3 NE	Hidden	Hidden	Hidden	Hidden	K 4 NW	D.FogNW	KS 10 N	D.FogSE	N 10
28	Hidden	0	0	c 5	0	s 10	L. Haze	K 3	{s 3 w K 2	0
29	0	0	0	c 2 E	0	L. Haze	L. Haze	{K 4 s 4 SE	KS 4 W	0
30	0	c 1 SE	Hidden	CS 6	Hidden	L. Haze	0	s 10 SE	K 1	s 10
31	Hidden	Hidden	Hidden	Hidden	0	D. Fog	D. Fog	N 10 NE	D. Fog	s 5

REMARKS.

Aug. 25. { Rain, B. D. N.; E. D. N.
 { Hail, B. 11.50 A.M.; E. 12.30 P.M.
26. Rain, { B. D. N.; E. D. N.
 { B. 7.05 P.M.; E. 8.30 P.M.

Aug. 27. { Snow, B. 10 55 A.M.; E. 12.00 M.
 { Rain, 3.05 P.M.; E. 3 45 P.M.
 " 6.20 P.M.; E. D. N.
28. Hail, B. 5.50 P.M.; E. 6.15 P.M.

Aug. 30. Hail, { B. 12.25 P.M.; E. 12.55 P.M.
 { B. 1.05 P.M.; E. 1.10 P.M.
31. Sleet, B. 9.10 A.M.; E. 2.10 P.M.

SEPTEMBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+						Temperature.							Relative Humidity.					
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	Mean of Tri- daily.	Max.	Min.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	1	.88	.88	.92	.84	.81	.87	30	32	37	32	29	32	39	29	92	92	86	100	100
2	.79	.83	.88	.85	.91	.86	22	24	30	28	25	26	39	22	100	100	91	94	83
3	.92	.97	.99	1.05	1.02	.98	28	31	36	33	32	32	37	24	84	85	68	87	83
4	1.00	.98	.97	.94	.94	.97	28	34	40	41	35	34	41	28	86	76	67	65	74
5	.91	.92	.94	.94	.94	.93	30	33	43	41	34	36	43	29	84	92	51	59	79
6	.95	1.05	.98	.98	1.00	.98	30	34	42	34	30	34	45	29	84	78	32	96	90
7	1.01	1.05	1.04	1.03	1.05	1.03	28	34	37	44	32	32	39	28	79	88	86	100	93
8	1.02	1.04	1.00	.99	.99	1.00	29	32	35	34	30	31	44	29	90	93	93	88	83
9	.92	.94	.98	.97	1.01	.97	33	35	33	38	30	32	47	24	57	61	78	86	90
10	1.00	1.03	1.00	.99	1.02	1.00	28	33	37	35	33	33	37	28	94	92	91	80	88
11	.99	.98	.98	.97	.98	.99	29	30	35	33	32	32	36	29	85	88	86	86	87
12	1.01	1.02	1.02	.98	1.00	1.01	30	34	39	34	34	34	41	29	84	78	91	95	73
13	.98	1.00	1.00	.96	.99	.99	31	35	38	35	34	34	39	30	62	65	58	78	81
14	.93	.90	.87	.82	.78	.86	30	31	36	36	30	32	38	30	65	76	66	68	83
15	.73	.75	.75	.76	.77	.75	26	28	37	36	29	30	38	26	59	70	66	69	84
16	.75	.77	.78	.83	.83	.79	24	28	31	30	26	27	34	24	74	88	88	88	86
17	.92	.98	1.02	1.03	1.02	.99	27	31	40	40	34	34	42	22	79	75	66	73	69
18	1.02	1.02	1.07	1.07	1.09	1.06	31	35	41	40	36	36	43	31	83	79	73	73	79
19	1.10	1.13	1.12	...	1.13	1.12	32	36	44	..	37	38	45	32	65	64	67	..	78
20	1.10	...	1.09	...	1.10	1.10	34	..	41	..	36	37	44	33	81	..	70	..	85
21	1.08	...	1.06	...	1.05	1.06	34	..	42	..	36	38	44	33	81	..	73	..	80
22	1.03	...	1.02	...	1.00	1.01	33	..	41	..	35	36	44	32	87	..	78	..	80
23	.97	...	.94	...	.90	.94	35	..	42	..	37	38	49	32	80	..	74	..	83
24	.86	...	.86	...	.87	.86	32	..	40	..	28	33	40	28	88	..	81	..	90
25	.89	...	.88	...	.87	.88	27	..	38	..	29	31	39	26	78	..	79	..	86
26	.83	...	.85	...	.88	.85	24	..	35	..	28	29	38	24	73	..	64	..	82
27	.86	...	.86	...	.91	.88	24	..	33	..	21	26	33	21	86	..	70	..	59
28	1.02	...	1.07	...	1.06	1.05	23	..	35	..	29	29	37	21	71	..	67	..	63
29	1.06	...	1.02	...	.99	1.02	27	..	37	..	30	32	39	27	80	..	68	..	74
30	.97	...	.99	...	.99	.98	25	..	35	..	30	30	36	24	73	..	72	..	76
Mean	.95		.96		.96	.96	28.8		37.7		31.4	32.6	40.5	27.5	80		73		81

REMARKS.

Sept. 1. { Snow, B. D. N.; E. D. N.
Sleet, B. 2.05 P.M.; E. 4.45 P.M.

Sept. 6. Snow, B. 1.20 P.M.; E. 2.25 P.M.
7. " B. 11.55 A.M.; E. 1.15 P.M.

METEOROLOGICAL OBSERVATIONS.

SEPTEMBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Wind.						24 Hours.	Precipitation.				Weather.				
	Direction and Velocity in Miles per Hour.					Movement.		A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00											
1	W 36	SW 17	SW 14	W 32	SW 48	519	.04	.	.07	.11	F	F	Cy	Fy	Fy	
2	W 40	W 28	W 12	W 28	W 44	731	\$T	.	.	T	Fy	Cy	Cy	Cy	Cr	
3	N 12	E 14	S 5	W 7	W 7	361	\$T	.	.	T	Cr	F	F	Cy	Cr	
4	W 18	SW 14	N 8	SW 12	SW 18	269	.	.	.	.	Cr	Cr	F	Cr	Cr
5	W 36	W 32	SW 14	SW 12	SW 20	521	.	.	.	.	Cr	Cr	F	F	Cr
6	W 20	SW 30	S 8	SW 14	W 14	462	.	.	.23	.23	F	Cr	Cy	Cy	Cr	
7	SW 4	0	SW 12	SW 12	SW 10	239	\$T	.01	.08	.09	Cr	F	LS	Fy	Fy	
8	SW ..	SW 16	SW 6	SW 8	W 20	†197	\$.01	.13	.08	.22	F	Fy	Fy	Cy	Fy	
9	W 24	NW 32	W 5	0	S 6	371	\$T	.	.	T	Cr	Cr	F	F	Cr	
10	SW 8	SW 10	SW 6	NW 12	0	206	.03	.	.	.03	Fy	Fy	Cy	Cy	Cr	
11	E 8	NE 22	NE 1	NE 4	NE 12	195	.	.	.	.	Cr	Cy	F	Cy	Cr
12	NE 16	E 8	SE 1	W 20	W 16	255	.	.	.	.	Cr	Cr	Cr	Fy	F
13	NE 14	NE 14	NE 5	NE 6	SW 8	204	.	.	.	.	Cr	Cr	Cr	Cr	F
14	NW 24	W 28	W 16	NW 24	NW 34	475	.	T	.	T	Cr	Cr	F	Cr	Cr	
15	NW 50	W 16	W 40	W 24	W 16	733	.	.	.	.	Cy	Cr	Cr	Cr	Cr
16	W 16	W 8	W 12	W 24	W 51	497	\$T	\$T	.	T	Cy	F	F	Cr	Cr	
17	W 40	W 32	W 26	W 15	W 28	842	.	.	.	.	Cr	Cr	Cr	F	Cr
18	W 36	W 32	NW 17	N 5	N 14	653	.	.	.	.	Cr	Cr	Cy	Cy	Cr
19	W 20	W 24	W 3	.....	SW 17	365	.	.	.	.	Cr	Cr	Cr	.	Cr
20	NW 8	.....	0	.....	E 8	249	.	.	.	.	Cr	.	F	.	Cr
21	N 2	.....	E 8	.....	S 7	90	.	.	.	.	Cr	.	Cr	.	Cr
22	W 10	.....	0	.....	SW 18	199	.	.	.	.	Cr	.	Cy	.	Cr
23	SE 14	.....	E 2	.....	SW 9	207	.	.	.	.	Cr	.	Cy	.	Cr
24	W 22	.....	W 6	.....	NE 19	343	\$T	T	.04	.04	Cr	.	Cy	.	Cr
25	SW 16	.....	SW 18	.....	W 16	351	\$T	\$T	.	T	Cr	.	F	.	Cr
26	NW 32	.....	SW 17	.....	NW 18	590	\$T	\$T	.	T	Cr	.	Cr	.	Cr
27	SW 46	.....	SW 28	.....	NW 28	637	\$T	\$T	.	T	Cr	.	Cr	.	Cr
28	NW 14	.....	W 12	.....	W 25	446	\$T	\$T	.	T	Cr	.	Cr	.	Cr
29	NW 20	.....	W 15	.....	0	320	.	.	.	.	Cr	.	Cr	.	Cr
30	SW 18	.....	W 20	.....	W 16	342	.	.	.	.	Cr	.	Cr	.	Cr
Mean	*22		11		18	‡11869	.08	.14	.50	.72						

REMARKS.

Sept. 7. Snow, B. 5.20 P.M.; E. 6.10 P.M.

Sept. 8. Snow, B. 5.40 P.M.; E. 6.10 P.M.

8. " B. 9.20 A.M.; E. 11.05 A.M.

10. " B. D. N.; E. D. N.

* For 29 days.

‡ For 16 hours.

‡ For 29½ days.

§ Frost.

SEPTEMBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Clouds; Kind, Amount, and Direction from which they move.									
	Upper.					Lower.				
	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00	A.M. 5.00	A.M. 9.00	P.M. 1.00	P.M. 5.00	P.M. 9.00
1	CS 5 NE	CS 4	Hidden	Hidden	Hidden	K 1 NE	KS 2 E	KS 10 SE	D. Fog	D. Fog
2	Hidden	0	0	0	0	D. Fog	KS 8 E	KS 9	KS 8 E	KS 3
3	C 2	C 4	C 4 E	C 3 S	0	L. Haze	KS 3	0	KS 5 E	0
4	0	0	C 2 E	CS 3 E	0	0	0	KS 2	0	0
5	0	CS 3	0	C 3 E	0	0	0	KS 4	KS 4	KS 2 NW
6	0	0	C 5 NE	Hidden	0	KS 5 N	KS 3	KS 5	S 10 NW	0
7	0	CK 7 SW	Hidden	Hidden	Hidden	L. Fog SW	0	N 10 SW	D. Fog SW	D. Fog SW
8	C 3 SW	Hidden	Hidden	Hidden	Hidden	S 4	D. Fog SW	D. Fog SW	KS 10 SW	D. Fog W
9	C 1 E	0	CK 3 W	C 2	0	0	KS 2	KS 2	KS 5 W	0
10	Hidden	Hidden	CK 6 SW	CK 8 NW	0	D. Fog SW	D. Fog SW	CK 3	0	0
11	C 2	CK 6 NE	CK 6 NE	CS 8 NE	0	0	K 4 NE	0	0	KS 2
12	CS 2 NE	0	0	Hidden	CK 6	0	0	L. Fog E	D. Fog W	0
13	0	0	0	0	C 5	0	L. Haze	KS 3	KS 2	0
14	0	CK 1 W	C 1 W	0	0	0	{ L. Haze KS 2 W	KS 4 W	K 1 W	D. Haze
15	CS 8 W	C 3 W	0	C 3 W	0	D. Haze	D. Haze	L. Haze	L. Haze	0
16	Hidden	C 5 W	C 2 W	0	0	S 10 W	0	K 3 W	0	0
17	0	0	C 2 W	C 2	0	L. Haze	L. Haze	0	K 3 NW	0
18	0	CS 1	0	C 3	0	0	0	K 8 W	K 5 W	0
19	0	0	0	.....	0	0	L. Haze	L. Haze	.....	L. Haze
20	C 1 W	.....	0	.....	0	{ KS 2 W L. Haze	.....	K 6 W	.....	L. Haze
21	0	.....	0	.....	0	0	.....	K 3 W	.....	0
22	0	.....	C 2 W	.....	C 2 W	0	.....	K 8 W	.....	0
23	0	.....	0	.....	0	0	.....	K 8 SW	.....	0
24	0	.....	0	.....	C 2 W	S 1 W	.....	KS 8 W	.....	0
25	0	.....	0	.....	0	0	.....	K 6 SW	.....	0
26	0	.....	0	.....	0	0	.....	K 2 W	.....	0
27	0	.....	0	.....	0	0	.....	0	.....	0
28	0	.....	0	.....	0	0	.....	0	.....	0
29	0	.....	C 1	.....	0	0	.....	0	.....	0
30	0	.....	0	.....	0	0	.....	0	.....	0

REMARKS.

Sept. 14. Snow, B. 12.10 P.M.; E. 12.15 P.M.
24. " B. 12.47 P.M.; E. 12.58 P.M.

Sept. 24. Snow, B. 1.23 P.M.; E. 2.40 P.M.

OCTOBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	A.M. 5.00	P.M. 1.00	P.M. 9.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Direction and Velocity in Miles per Hour					
														A.M. 5.00	P.M. 1.00	P.M. 9.00	24 Hours.		
1	1.01	1.01	1.00	1.00	28	38	30	32	57	26	76	67	83	NW 4	SE 2	SW 10	200		
2	1.01	1.01	1.02	1.01	28	36	30	32	38	25	83	75	84	0	E 6	E 8	172		
3	1.05	1.07	1.07	1.06	26	30	25	27	32	22	73	86	92	NE 16	E 20	NE 16	401		
4	1.00	.95	.91	.95	22	30	26	26	29	18	70	100	98	NE 20	N 4	E 2	277		
5	.89	.90	.89	.89	24	30	27	27	32	21	78	99	97	NE 22	W 1	SE 12	240		
6	.88	.86	.84	.86	25	31	26	27	36	22	96	86	100	S 12	E 1	SE 1	189		
7	.85	.85	.90	.86	22	30	24	25	30	21	93	90	90	W 8	SW 1	N 4	134		
8	.89	.89	.86	.88	21	30	26	26	32	20	86	87	96	SW 2	W 12	W 44	252		
9	.84	.84	.82	.83	25	34	27	29	34	23	64	74	86	W 48	S 4	SW 32	735		
10	.75	.83	.84	.81	24	32	26	27	33	22	60	85	90	W 64	SW 24	SW 24	909		
11	.82	.82	.82	.82	23	30	25	26	30	22	90	87	92	W 28	S 20	S 20	639		
12	.68	.67	.66	.67	20	20	14	18	25	14	98	87	76	W 14	S 24	W 22	515		
13	.58	.57	.71	.62	8	11	15	11	15	4	79	82	69	W 16	N 21	N 20	551		
14	.82	.87	.92	.87	11	21	18	17	27	10	62	70	74	N 48	W 19	W 38	690		
15	1.00	1.04	1.05	1.03	19	30	23	24	31	19	51	69	66	NW 18	SW 16	SW 12	474		
16	1.02	1.00	.93	.98	21	31	24	25	32	21	80	84	100	W 16	SW 17	W 28	428		
17	.92	.90	.86	.89	22	31	26	26	31	22	97	92	85	W 32	S 8	S 14	417		
18	.72	.68	.58	.66	22	29	24	25	30	22	100	82	96	SW 28	W 21	SW 44	703		
19	.47	.57	.75	.60	11	17	11	13	24	10	59	60	87	SW 36	SW 36	W 20	982		
20	.87	.94	.99	.93	10	22	17	16	24	10	78	78	82	SW 24	SW 13	SW 12	435		
21	.90	.86	.79	.85	22	25	22	23	27	16	100	100	100	S 20	SW 22	SW 18	540		
22	.60	.63	.49	.57	8	13	7	9	22	6	100	100	79	W 14	SW 20	W 54	550		
23	.61	.76	.86	.74	6	18	19	14	20	5	79	69	42	NW 45	NW 23	N 10	695		
24	.87	.89	.94	.90	15	22	15	17	24	15	72	73	86	SW 32	SW 20	SW 17	536		
25	.96	1.01	1.04	1.00	12	17	16	15	19	11	100	59	72	N 14	0	NW 16	334		
26	1.03	1.01	1.00	1.01	16	23	23	21	25	15	42	46	47	NW 6	W 2	NW 14	236		
27	.94	.90	.84	.89	24	24	20	23	27	20	42	48	70	N 10	NW 9	W 24	251		
28	.79	.74	.80	.78	19	19	17	18	23	17	50	71	74	NW 16	N 20	W 14	454		
29	.84	.84	.85	.84	18	30	23	24	30	17	49	62	80	W 19	SW 18	SW 28	500		
30	.82	.83	.81	.82	17	28	21	22	28	12	67	64	61	W 64	SW 32	SW 40	1007		
31	.74	.72	.64	.70	17	25	16	19	25	16	69	73	72	SW 56	S 26	SW 24	955		
Mean	.84	.85	.85	.85	19.0	26.0	21.4	22.1	28.9	17.0	76	78	82	24	15	21	15401		

REMARKS.

Oct. 4. Snow, { B. 11.47 A.M.; E. 12.35 P.M.
 { B. 1.15 P.M.; E. 4.20 P.M.
 5. " B. 3.15 P.M.; E. 3.40 P.M.

Oct. 6. Snow, B. 4.16 P.M.; E. D. N.
 8. " B. 7.50 P.M.; E. D. N.
 11. " B. 12.20 P.M.; E. 12.40 P.M.

OCTOBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.			
	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 9.00	
					A.M. 5.00	P.M. 1.00	P.M. 9.00	A.M. 5.00	P.M. 1.00	P.M. 9.00				
1	.	.	.	.	0	CS 6 E	0	L. Haze	0	.	0	Cr	F	Cr
2	.	.	.	.	c 3	CS 4 E	0	L. Haze	KS 4 E	KS 4		Cr	Cy	F
3	.	.	.	.	c 4 NE	0	Hidden	0	KS 9 E	KS 10 NE		F	Cy	Cy
4	.	T	.28	.28	0	Hidden	Hidden	K 8 NE	D. Fog N	s 10 E		Cy	Fy	Cy
5	.	.	T	T	0	0	0	0	KS 8 NW	K 3		Cr	Cy	Cr
6	*T	.	.47	.47	c 5 s	0	Hidden	0	KS 6 E	N 10 SE		F	F	LS
7	.02	.	.	.02	0	Hidden	0	0	D. Fog sw	0		Cr	Fy	Cr
8	.	.	.04	.04	0	0	Hidden	0	0	N 10 W		Cr	Cr	LS
9	T	.	.	T	0	CK 6 s	0	0	0	0		Cr	F	Cr
10	.	.	.	.	0	CK 2 SW	CK 6 SW	L. Haze	0	0		Cr	Cr	F
11	.	T	.	T	0	0	0	KS 3 W	KS 9 W	s 8 s		Cr	Cy	Cy
12	.02	.01	.	.03	Hidden	0	c 3 SW	N 10 W	0	0		LS	Cr	Cr
13	*T	.	.	T	0	0	0	0	K 8 NW	0		Cr	Cy	Cr
14	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
15	.	.	.	.	0	c 1 W	c 1 W	0	0	0		Cr	Cr	Cr
16	.	.	.07	.07	c 5 W	0	Hidden	s 1	K 5 W	D. Fog W		F	F	Fy
17	*T	.	.	T	0	0	0	0	K 6 W	0		Cr	F	Cr
18	*T	.	.	T	Hidden	c 1	0	D. Fog sw	K 5 SW	s 8 SW		Fy	F	Cy
19	.	.	.	.	0	c 1 SW	0	0	0	s 1		Cr	Cr	Cr
20	.	.	.	.	0	c 2 SW	c 3 SW	0	0	0		Cr	Cr	Cr
21	.04	.07	.19	.30	Hidden	Hidden	Hidden	{ D. Fog s N 10	D. Fog sw	{ D. Fog sw N 10		LS	Fy	LS
22	.10	*T	.	.10	Hidden	Hidden	0	D. Fog w	s 10 SW	0		Fy	Cy	Cr
23	.	.	.	.	c 4 W	0	0	0	0	0		F	Cr	Cr
24	.	.	.	.	c 1	c 4 SW	0	0	s 5 SW	0		Cr	Cy	Cr
25	*T	.	.	T	Hidden	0	0	D. Fog NW	0	0		Fy	Cr	Cr
26	.	.	.	.	c 7 NW	0	0	0	0	0		F	Cr	Cr
27	.	.	.	.	c 2 NW	0	0	0	0	0		Cr	Cr	Cr
28	.	T	T	T	c 1 SW	Hidden	0	0	N 10 NW	0		Cr	LS	Cr
29	.	.	.	.	0	c 3 W	0	0	0	0		Cr	Cr	Cr
30	.	.	.	.	0	0	0	0	0	0		Cr	Cr	Cr
31	.	.	.	.	0	0	0	s 2 SW	0	0		Cr	Cr	Cr
Total	.18	.08	1.05	1.31										

REMARKS.

Oct. 12. Snow, B. D. N.; E. 6.27 A.M.
 16. " B. 5.28 P.M.; E. 6.41 P.M.
 21. " B. D. N.; E. 7.15 A.M.

Oct. 21. Snow and Sleet, B. 3.12 P.M.; E. D. N.
 28. Snow, { B. 12.38 P.M.; E. 1.12 P.M.
 { B. 2.40 P.M.; E. 3.05 P.M.

* Frost.

NOVEMBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	Direction and Velocity in Miles per Hour.			Move- ment.	A.M.			P.M.			A.M.			P.M.			F.M.		
	5.00	1.00	9.00		Mean.	5.00	1.00	9.00	Mean.	Max.	Min.	5.00	1.00	9.00	5.00	1.00	9.00	24 Hours.	
1	.43	.35	.55	.44	8	6	4	6	9	3	98	98	95	SW 15	NW 46	W 26	691		
2	.60	.68	.75	.68	4	13	12	10	14	3	94	88	60	NE 13	N 1	NE 24	294		
3	.85	.89	.88	.87	11	18	20	16	20	9	65	56	48	N 20	NW 16	NW 38	517		
4	.78	.82	.84	.81	18	20	17	18	24	15	55	50	88	NW 44	NW 32	W 16	945		
5	.76	.76	.76	.76	11	17	10	13	18	10	82	76	65	W 50	SW 18	W 42	847		
6	.86	.90	.88	.88	12	20	18	17	23	10	66	45	68	W 40	N 14	W 22	829		
7	.85	.78	.71	.78	16	23	17	19	24	16	86	86	100	SW 12	SW 12	W 24	379		
8	.53	.45	.51	.50	8	10	7	8	13	7	92	98	63	W 26	NW 16	NW 52	665		
9	.53	.62	.64	.59	8	14	11	11	15	7	67	100	100	W 64	SW 9	SW 7	676		
10	.61	.59	.58	.59	7	13	9	10	14	7	98	100	100	SW 11	S 17	SE 12	311		
11	.56	.64	.73	.64	0	3	3	2	9	-1	100	100	95	E 10	NE 12	N 16	343		
12	.76	.83	.85	.81	7	15	14	12	16	-1	95	44	64	N 20	N 6	N 1	285		
13	.86	.86	.90	.87	13	18	14	15	20	13	76	68	42	NE 7	NE 4	NW 5	164		
14	.85	.79	.73	.79	13	17	12	14	18	12	64	47	64	W 18	W 18	SW 32	477		
15	.56	.43	.39	.46	8	12	7	9	14	7	74	100	98	SW 32	SW 24	SW 5	600		
16	.31	.27	.27	.28	-11	-21	-25	-19	7	-25	100	100	100	N 14	N 16	N 34	443		
17	.21	.25	.46	.31	-26	-12	6	-11	11	-27	100	66	83	NE 22	NE 38	NE 38	732		
18	.56	.56	.56	.56	4	9	6	6	12	2	70	87	85	N 48	W 42	SW 36	888		
19	.50	.44	.47	.47	5	5	5	5	6	2	100	69	54	SW 10	W 70	W 68	967		
20	.35	.39	.36	.37	4	9	6	6	10	3	68	74	69	W 80	W 52	SW 48	1434		
21	.30	.26	.10	.22	6	11	5	7	11	4	86	95	100	W 42	SW 21	W 20	858		
22	*.94	.05	.10	.03	-10	-9	-13	-11	5	-14	100	91	78	W 29	W 38	NW 43	700		
23	.17	.29	.30	.25	-3	-4	-13	-7	-3	-15	68	89	78	NW 57	NW 18	N 28	761		
24	.36	.45	.49	.43	-16	-13	-1	-10	-1	-17	58	100	56	N 23	N 16	N 34	551		
25	.40	.50	.65	.52	0	-1	-2	-1	2	-5	79	100	79	NW 68	W 58	N 46	1283		
26	.76	.88	.86	.83	2	11	10	8	14	-2	66	62	74	NE 13	N 22	NW 36	739		
27	.93	.96	.90	.93	10	15	16	14	17	8	53	43	62	N 23	NE 8	NE 26	555		
28	.84	.79	.73	.79	10	14	13	13	19	10	44	48	89	N 36	NW 48	NW 50	1004		
29	.74	.74	.70	.72	18	19	16	18	22	14	82	78	41	N 40	NW 48	NW 46	1145		
30	.66	.72	.77	.72	13	17	15	15	20	13	55	57	72	NW 65	NW 38	N 30	1002		
Mean.	.58	.60	.61	.60	5.0	9.0	7.3	7.1	13.5	2.2	78	77	76	32	26	30	21085		

REMARKS.

Nov. 1. Snow, B. D. N.; E. 11.57 A.M.
 7. " B. D. N.; E. D. N.
 8. " B. D. N.; E. D. N.

Nov. 8. Snow, B. 12.33 P.M.; E. 1.40 P.M.
 9. " B. 12.53 P.M.; E. 8.05 P.M.
 10. " B. 4.20 P.M.; E. D. N.

* 16.94.

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NOVEMBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 9.00
					A.M. 5.00	P.M. 1.00	P.M. 9.00	A.M. 5.00	P.M. 1.00	P.M. 9.00			
1	.31	.18	.	.49	Hidden	Hidden	0	N 10 SW	D.Fog NW	s 7 W	LS	Fy	F
2	.	.	.	.	0	0	0	0	0	s 6 N	Cr	Cr	F
3	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
4	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	0	0	0	L. Haze	ks 7 SW	L. Haze	Cr	F	Cr
6	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
7	T	.	.	T	0	0	Hidden	L. Haze	ks 5 W	D.Fog W	Cr	F	Fy
8	.05	T	T	.05	0	Hidden	0	s 9 W	{ D. Fog NW N 10	s 3 NW	Cy	LS	Cr
9	.	T	.04	.04	0	Hidden	Hidden	L. Haze	N 10	D. Fog	Cr	LS	Fy
10	.	.	.03	.03	Hidden	Hidden	Hidden	D.Fog SW	D. Fog S	{ D. Fog SE N 10	Fy	Fy	LS
11	.15	.	.	.15	Hidden	Hidden	0	D. Fog E	D.Fog NE	0	Fy	Fy	Cr
12	.	.	.	.	0	0	0	L. Haze	0	0	Cr	Cr	Cr
13	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
14	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
15	.	.	.02	.02	0	Hidden	Hidden	L. Haze	D.Fog SW	s 10	Cr	Fy	Cy
16	.09	.	.	.09	Hidden	Hidden	Hidden	D.Fog NW	D.Fog NW	D.Fog NW	Fy	Fy	Fy
17	.	.	.	.	Hidden	0	0	D.Fog NW	0	0	Fy	Cr	Cr
18	.	.	.	.	0	c 1 SW	0	0	0	0	Cr	Cr	Cr
19	.03	T	.	.03	Hidden	c 1	0	{ D. Fog SW N 10	0	0	LS	Cr	Cr
20	.	.	.	.	c 1 W	0	0	0	0	0	Cr	Cr	Cr
21	*T	.	.08	.08	c 1 W	c 6 SW	Hidden	s 6 W	L.Fog SW	{ D. Fog W N 10	F	F	LS
22	.09	.	.	.09	0	0	0	L. Fog W	s 6 W	0	Cr	F	Cr
23	.	.	.	.	c 4 W	0	0	0	0	0	F	Cr	Cr
24	*T	T	T	T	c 4 NW	Hidden	0	0	{ D. Fog N N 10	0	F	LS	Cr
25	.	.	.	.	0	0	0	0	L. Fog W	0	Cr	Cr	Cr
26	.	.	.	.	0	c 1	0	0	0	s 2 NW	Cr	Cr	Cr
27	.	.	.	.	0	c 2 N	0	0	0	0	Cr	Cr	Cr
28	.	.	.	.	0	c 4 NW	c 3 NW	0	s 2 NW	s 2 NW	Cr	F	F
29	*T	.	.	T	c 5 NW	0	c 3 NW	s 1 NW	s 8 NW	0	F	Cy	Cr
30	.	.	.	.	0	c 1 NW	0	0	0	0	Cr	Cr	Cr
Total	.72	.18	.17	1.07									

REMARKS.

Nov. 15. Snow, B. 3.45 P.M.; E. 6.50 P.M.
 16. " B. D. N.; E. D. N.
 19. Snow, B. D. N.; E. 6.35 A.M.

Nov. 21. " B. 4.20 P.M.; E. D. N.
 24. Snow, B. 12.45 P.M.; E. 1.20 P.M.

* Frost.

DECEMBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.				24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 9.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 9.00	Direction and Velocity in Miles per Hour.			24 Hours.	
														A.M. 5.00	P.M. 1.00	P.M. 9.00		
1	.81	.80	.76	.79	17	20	17	18	21	15	70	43	43	NE 39	NW 31	W 44	927	
2	.74	.76	.72	.74	15	17	9	14	22	9	63	47	54	NW 44	W 30	W 42	900	
3	.64	.65	.68	.66	4	8	3	5	10	0	85	100	100	N 55	NW 17	NE 17	777	
4	.75	.82	.87	.81	5	14	17	12	17	3	66	63	67	NE 30	NE 20	NE 15	495	
5	.86	.84	.82	.84	12	20	14	15	22	10	74	54	65	NW 22	NW 9	NW 19	393	
6	.78	.78	.80	.79	10	14	9	11	16	9	78	65	71	N 29	W 8	NW 16	648	
7	.76	.76	.75	.76	8	13	8	10	14	8	68	76	83	NW 21	0	W 28	381	
8	.75	.78	.78	.77	8	19	19	15	20	8	85	59	51	NE 16	N 5	W 32	371	
9	.71	.64	.69	.68	14	22	18	18	23	14	72	45	69	W 52	W 66	SW 19	1083	
10	.62	.54	.48	.54	14	18	12	15	18	12	74	81	100	SW 48	SW 12	E 12	428	
11	.38	.45	.55	.46	1	2	2	0	12	2	100	100	83	E 27	N 18	NE 22	543	
12	.55	.74	.81	.70	2	12	14	10	15	1	85	71	95	NE 27	NE 26	NE 30	619	
13	.91	.94	.90	.91	10	20	17	16	22	10	71	57	54	NE 26	NE 14	NW 46	607	
14	.71	.75	.74	.74	10	8	6	8	17	5	74	72	62	N 66	N 36	N 40	1051	
15	.72	.73	.64	.70	8	16	14	13	18	4	71	56	65	N 41	N 28	NW 58	890	
16	.54	.54	.44	.51	11	16	8	12	18	8	84	78	100	NW 58	NW 48	NW 28	1300	
17	.51	.55	.57	.54	1	1	1	0	8	2	100	100	100	NW 28	NW 20	NW 14	609	
18	.52	.60	.68	.60	2	3	5	2	5	6	100	100	91	N 16	N 18	N 20	503	
19	.76	.78	.68	.74	9	16	13	13	19	4	40	72	87	NE 32	N 34	W 50	856	
20	.54	.56	.54	.55	7	15	9	10	19	5	100	88	100	W 66	W 34	SW 10	1044	
21	.51	.48	.53	.51	4	4	4	2	10	4	100	100	100	W 6	W 16	NW 32	361	
22	.47	.50	.49	.49	4	5	0	3	6	4	100	100	91	NW 56	W 21	W 24	838	
23	.43	.43	.54	.47	4	5	0	3	1	9	100	100	70	NW 32	W 30	N 40	703	
24	.53	.46	.38	.46	3	8	2	4	11	1	78	81	100	NW 53	W 64	W 48	1301	
25	.38	.38	.36	.37	2	1	1	1	2	3	100	100	100	NW 10	NW 11	W 44	610	
26	.30	.30	.47	.36	5	8	8	6	10	5	89	100	100	W 50	W 68	NW 52	1283	
27	.57	.60	.65	.60	8	15	12	12	20	3	69	48	53	NW 57	W 60	NW 48	1366	
28	.69	.77	.70	.72	11	16	14	14	18	10	52	37	44	NW 38	NW 18	W 40	883	
29	.69	.62	.49	.60	12	15	8	12	18	8	78	67	72	N 33	W 22	W 52	868	
30	.41	.46	.50	.46	4	6	4	5	9	2	100	100	100	NW 30	NW 7	0	550	
31	.59	.59	.64	.61	3	3	5	2	6	4	100	100	81	NE 12	NW 38	N 30	461	
Means	.62	.63	.63	.63	7.0	10.7	8.1	8.6	14.4	3.3	82	76	79	36	27	31	23649	

REMARKS.

Dec. 10. Snow, B. 7.42 P.M.; E. 9.15 A.M. of 11th.
16. " B. 6.20 P.M.; E. D.N.

Dec. 18. Snow, B. D. N.; E. 11.50 A.M.
21. " B. D. N.; E. 10.40 P.M.

1889AnHar...22...1P

DECEMBER, 1886.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 9.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 9.00
					A.M. 5.00	P.M. 1.00	P.M. 9.00	A.M. 5.00	P.M. 1.00	P.M. 9.00			
1	.	.	.	.	0	c 1 NW	0	L. Haze	0	0	Cr	Cr	Cr
2	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
3	.	.	.	.	0	Hidden	Hidden	s 5 N	D.Fog NW	D.Fog NE	F	Fy	Fy
4	.	.	.	.	0	c 1 N	0	L. Haze	0	s 1 NE	Cr	Cr	Cr
5	.	.	.	.	c 1 NW	c 3	Hidden	L. Haze	0	s 10 NW	Cr	Cr	Cy
6	.	.	.	.	0	cs 2 w	0	0	0	0	Cr	Cr	Cr
7	.	.	.	.	0	cs 7	0	0	0	0	Cr	F	Cr
8	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
9	.	.	.	.	c 5 w	cs 8 w	0	0	0	s 2 SW	F	Cy	Cr
10	.	.	.01	.01	0	Hidden	Hidden	s 8 SW	s 10 SW	{D. Fog NE N 10 E	Cy	Cy	LS
11	.21	.17	.	.38	Hidden	0	0	{D. Fog NE N 10	L. Fog	0	HS	Cr	Cr
12	.	.	.	.	0	c 3 E	0	0	0	s 5 E	Cr	Cr	F
13	.	.	.	.	cs 8 E	c 5 NE	0	0	0	0	Cy	F	Cr
14	.	.	.	.	c 2 N	0	0	0	0	0	Cr	Cr	Cr
15	.	.	.	.	0	c 5 NW	0	0	0	0	Cr	F	Cr
16	.	.	T	T	cs 8 NW	c 7 NW	Hidden	0	s 1 NW	{D. Fog NW N 10	Cy	Cy	LS
17	.02	.	*T	.02	Hidden	0	Hidden	D. Fog w	k 6 NW	D.FogNW	Fy	F	Fy
18	.03	.16	.	.19	Hidden	Hidden	0	{D. Fog N 10	D.Fog NW	0	LS	Fy	Cr
19	.	.	.	.	0	c 4 NW	c 1 NW	0	0	0	Cr	F	Cr
20	*T	.	.	T	0	c 1	Hidden	L. Fog w	s 6 w	D. Fog	Cr	F	Fy
21	.05	.11	.	.16	Hidden	Hidden	0	{D. Fog w N 10	D.Fog w	L.FogNW	LS	Fy	Cr
22	*T	*T	*T	T	c 1 NW	Hidden	0	L. Fog NW	D.Fog SW	0	Cr	Fy	Cr
23	*T	*T	.	T	Hidden	Hidden	c 2 NW	D. Fog w	D.Fog w	0	Fy	Fy	Cr
24	.	.	.	.	0	c 6 w	0	0	0	L. Fog w	Cr	F	Cr
25	.14	.07	.	.21	Hidden	Hidden	0	{D. Fog NW N 10	D.Fog w	L. Fog w	LS	Fy	Cr
26	.	.	.	.	cs 2 w	c 8 w	c 2 w	0	L.Fog w	L. Fog w	Cr	Cy	Cr
27	.	.	.	.	cs 7 w	c 8 NW	0	s 1 NW	0	0	Cy	Cy	Cr
28	.	.	.	.	0	c 1 w	0	0	0	0	Cr	Cr	Cr
29	.	.	.	.	cs 8 w	c 4 w	0	0	0	0	Cy	F	Cr
30	*T	*T	.02	.02	Hidden	Hidden	Hidden	D.Fog NW	D.Fog NW	{D. Fog N 10	Fy	Fy	LS
31	.18	.	.	.18	Hidden	0	0	D.Fog NE	L.Fog NW	0	Fy	Cr	Cr
Total.	0.63	0.51	0.03	1.17									

REMARKS.

Dec. 25. Snow, B. D. N.; E. 7.15 A.M.
30. " B. 3.10 P.M.; E. 7.10 P.M.

Dec. 30. Snow, B. 8.45 P.M.; E. D. N.

* Frost.

JANUARY, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
														Direction and Velocity in Miles per Hour.						24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00				
1	.61	.49	.49	.53	7	11	4	7	14	2	75	100	100	N	40	NW	62	NW	38	*1010
2	.57	.67	.68	.64	0	8	10	6	12	-2	100	69	75	N	18	N	18	N	35	587
3	.56	.49	.49	.51	7	-1	-8	-1	10	-8	68	79	91	NW	44	NW	14	NW	34	768
4	.54	.53	.51	.53	-9	-3	-2	-5	0	-10	50	54	83	NW	10	NE	25	NW	40	645
5	.42	.42	.46	.43	-6	-1	-4	-4	0	-6	89	75	100	N	23	0	N	4	377	
6	.37	.26	.24	.29	-8	-4	0	-4	0	-8	82	93	100	NW	36	NW	52	NW	36	858
7	.24	.26	.28	.26	-1	-1	-4	-2	0	-4	100	100	100	NW	8	W	7	W	24	362
8	.24	.18	.18	.20	-10	-12	-18	-14	-4	-19	89	86	80	W	16	NW	30	NW	56	612
9	.29	.34	.39	.34	-19	-12	-7	-13	-7	-21	80	82	91	N	42	N	28	NE	35	870
10	.39	.29	.19	.29	-5	-4	-15	-8	-4	-15	87	91	69	W	48	W	36	NW	60	1097
11	.28	.28	.25	.27	-6	-2	-6	-4	-2	-15	78	75	100	NW	54	W	66	NW	54	1310
12	.25	.24	.20	.23	1	5	-7	0	6	-10	89	97	100	NW	60	NW	31	NW	38	1202
13	.25	.20	.31	.25	-9	-1	2	-2	2	-15	100	100	100	NW	80	NW	48	NW	28	1125
14	.41	.52	.56	.50	4	5	8	6	8	2	93	91	69	NW	34	NW	36	W	58	956
15	.63	.56	.51	.57	15	16	11	14	16	8	67	63	85	NW	66	W	70	SW	50	1343
16	.44	.46	.53	.48	9	7	-12	2	11	-14	100	100	95	SW	15	SW	8	NW	48	478
17	.71	.77	.75	.74	-4	2	5	1	5	-14	71	74	65	N	27	N	32	NW	62	908
18	.68	.60	.62	.63	10	12	17	13	17	5	67	64	58	NW	53	W	54	NW	56	1332
19	.56	.50	.36	.47	16	19	14	16	19	14	67	65	100	W	76	SW	48	S	22	1250
20	.31	.34	.45	.36	8	6	7	7	14	7	100	100	83	SW	7	SW	35	W	30	522
21	.35	.30	.34	.33	5	10	8	8	10	5	100	88	100	W	24	SW	23	SW	16	586
22	.34	.36	.38	.36	0	-8	-13	-7	8	-13	100	91	74	W	11	NW	12	NW	32	261
23	.44	.50	.62	.52	-14	-2	5	-4	5	-15	69	75	83	N	52	NW	62	NW	44	1133
24	.37	.42	.41	.40	2	8	3	4	8	2	66	72	83	NW	73	W	60	W	24	1378
25	.31	.37	.52	.40	-10	-14	-7	-10	3	-14	100	63	67	W	14	W	48	NW	41	890
26	.51	.52	.47	.50	-1	6	4	3	6	-7	72	69	52	NW	54	W	56	W	56	1254
27	.43	.34	.27	.35	3	5	-1	2	5	-1	66	100	100	SW	44	SW	26	SW	23	776
28	.22	.38	.32	.31	-10	-5	-8	-8	-1	-14	74	75	78	NW	64	NW	49	W	70	1423
29	.24	.29	.33	.29	-11	-5	-2	-6	-2	-12	74	79	83	W	58	W	64	W	62	1491
30	.34	.37	.32	.34	1	10	9	7	10	-2	100	84	84	W	54	W	44	W	39	1192
31	.37	.42	.46	.42	5	10	8	8	10	5	81	81	80	W	38	W	24	SW	32	695
Means	.41	.41	.42	.41	-1.0	2.2	0.0	0.4	5.8	-6.1	82	82	85	40	38	40				*28691

REMARKS.

Jan. 5. Snow, B. 1.45 P.M.; E. 7.30 P.M.
 7. " B. 11.25 A.M.; E. D.N.
 10. " B. 1.25 P.M.; E. 5.20 P.M.

Jan. 12. Snow, B. 4.48 P.M.; E. D.N.
 13. " B. 5.35 P.M.; E. D.N.
 16. " B. 4.30 P.M.; E. 6.00 P.M.

* From 11.00 P.M., Dec. 31, 1886.

1889AnHar...22...1P

JANUARY, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.	*T	*T	T	c 4 w	Hidden	Hidden	0	D.Fog NW	D.Fog NW	F	Fy	Fy
2	*T	.	.	T	Hidden	c 1 w	c 3 NW	D.Fog N	0	0	Fy	Cr	Cr
3	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
4	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
5	.	.	.01	.01	c 3	Hidden	Hidden	0	s 10	D. Fog	Cr	Cy	Fy
6	.	.	.	.	0	cs 8 NW	Hidden	L. Haze	0	D.Fog NW	Cr	Cy	Fy
7	*T	.06	.08	.14	Hidden	Hidden	Hidden	D.Fog NW	{ D. Fog N 10	{ D. Fog w N 10	Fy	LS	LS
8	0.4	.	.	.04	cs 5 w	c 1 w	ck 4 w	0	0	0	F	Cr	F
9	.	.	.	.	0	0	0	L. Haze.	0	s 2 w	Cr	Cr	Cr
10	.	.	.02	.02	0	Hidden	Hidden	0	s 10 w	s 10 w	Cr	Cy	Cy
11	.	.	.	.	cs 2 w	cs 4 w	Hidden	L. Haze	0	D.Fog NW	Cr	F	Fy
12	.	.	.03	.03	cs 4 w	Hidden	Hidden	L. Fog w	s 10 w	N 10	F	Cy	LS
13	.03	.	.04	.07	Hidden	Hidden	Hidden	D.Fog NW	D.Fog NW	{ D. Fog NW N 10	Fy	Fy	HS
14	.04	.	.	.04	cs 6 w	ck 3 w	0	L. Haze	0	s 3 w	F	Cr	Cr
15	.	.	.	.	c 4 w	cs 7 w	Hidden	L. Haze	0	s 10 w	F	F	Cy
16	*T	*T	.02	.02	Hidden	Hidden	0	D. Fog	D. Fog	L. Fog w	Fy	Fy	Cr
17	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
18	.	.	.	.	0	cs 8 w	0	0	0	s 4 w	Cr	Cy	F
19	.	.	T	T	0	Hidden	Hidden	0	s 10 w	N 10	Cr	Cy	LS
20	.08	T	.	.08	Hidden	Hidden	0	N 10	D.Fog SW	s 4 w	LS	Fy	F
21	.	.	.18	.18	Hidden	cs 2 NW	Hidden	D. Fog w	0	N 10 w	Fy	Cr	HS
22	.01	.	.	.01	Hidden	cs 4	0	D. Fog	L. Fog w	0	Fy	F	Cr
23	.	.	.	.	0	0	0	0	s 7 NW	0	Cr	F	Cr
24	.	.	.	.	cs 3 w	cs 2 w	0	0	0	s 8 w	Cr	Cr	Cy
25	.01	.	.	.01	Hidden	0	0	D. Fog w	0	0	Fy	Cr	Cr
26	.	.	.	.	c 3 NW	0	0	0	0	0	Cr	Cr	Cr
27	.	.	.03	.03	0	Hidden	0	s 8 SW	D. Fog SW	s 5 w	Cy	Fy	F
28	.03	.	.	.03	0	c 1 NW	0	0	0	0	Cr	Cr	Cr
29	.	.	.	.	0	Hidden	Hidden	0	s 10 w	s 10 w	Cr	Cy	Cy
30	.	.	.	.	Hidden	cs 4 w	0	D. Fog w	s 3 w	s 3 w	Fy	F	Cr
31	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
Total.	.24	.06	.41	.71									

REMARKS.

Jan. 19. Snow, B. 7.15 P.M.; E. 5.15 A.M. of 20th.
 21. " B. 6.30 P.M.; E. D. N.
 25. " B. D. N.; E. D. N.

Jan. 27. Snow, B. 2.15 P.M.; E. 7.30 P.M.
 28. " B. D. N.; E. D. N.

* Frost.

1889AnHar...22...:1P

FEBRUARY, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Direction and Velocity in Miles per Hour.			24 Hours.		
														A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.36	.38	.40	.38	6	10	6	8	11	6	79	84	100	sw 44	sw 32	sw 24	859		
2	.39	.42	.48	.43	5	10	5	7	14	4	89	91	100	sw 22	sw 25	sw 18	566		
3	.55	.61	.63	.60	3	10	6	6	12	3	95	92	97	sw 28	sw 19	sw 34	650		
4	.59	.60	.64	.61	6	15	12	11	18	6	83	56	56	w 56	w 60	w 56	1293		
5	.71	.66	.68	.68	12	17	13	14	18	12	64	60	86	sw 48	sw 52	sw 29	1081		
6	.56	.56	.48	.53	12	16	12	14	17	12	100	100	100	sw 30	s 22	sw 20	640		
7	.42	.37	.37	.38	8	9	1	6	14	1	100	100	94	sw 13	sw 6	w 31	343		
8	.48	.58	.60	.55	- 2	7	3	3	11	- 4	79	81	91	w 40	w 48	sw 37	973		
9	.55	.54	.50	.53	2	10	6	6	12	0	89	87	82	sw 62	sw 46	sw 31	1135		
10	.33	.23	.29	.28	5	5	- 2	3	6	- 2	100	100	100	w 34	sw 40	w 18	775		
11	.39	.52	.58	.50	- 2	9	2	3	12	-10	100	44	49	w 50	w 52	n 25	932		
12	.67	.68	.60	.65	9	15	8	10	16	0	48	47	76	nw 20	w 28	w 48	655		
13	.45	.43	.29	.39	6	14	7	9	17	6	69	77	100	w 62	sw 19	w 48	1135		
14	.41	.54	.54	.50	5	11	6	7	15	2	54	64	69	w 56	s 10	sw 32	770		
15	.57	.64	.65	.62	3	15	10	9	16	3	76	66	69	sw 44	w 24	w 44	887		
16	.63	.51	.22	.45	8	17	12	12	18	8	80	81	100	w 49	sw 30	sw 28	1037		
17	*.98	.18	.36	.17	-10	- 4	- 5	- 6	12	-10	100	100	75	nw 44	nw 44	nw 16	908		
18	.34	.29	.26	.30	- 7	3	- 2	- 2	4	- 7	74	85	100	w 18	sw 3	0	313		
19	.24	.23	.28	.25	-12	-10	- 8	-10	- 2	-13	100	72	100	0	w 13	sw 30	250		
20	.25	.19	.24	.23	- 9	- 3	- 7	- 6	0	- 9	100	100	100	sw 6	sw 11	w 12	203		
21	.30	.34	.37	.34	-15	- 4	- 7	- 9	- 2	-16	81	100	100	sw 40	sw 19	sw 24	541		
22	.37	.36	.35	.36	- 4	5	- 2	0	8	- 7	100	91	100	w 28	w 24	w 2	567		
23	.40	.48	.53	.47	-11	- 2	- 5	- 6	0	-12	78	77	83	nw 32	w 38	sw 28	562		
24	.52	.46	.41	.46	- 3	6	2	2	7	- 5	87	85	100	sw 34	sw 22	sw 18	814		
25	.25	.18	.20	.21	1	- 2	-23	- 8	3	-23	100	100	61	sw 4	w 37	w 64	644		
26	.35	.63	.76	.58	-16	- 1	4	- 4	4	-23	53	59	72	nw 80	nw 50	nw 28	1349		
27	.86	.92	.98	.92	15	18	12	15	20	4	85	70	77	n 64	n 27	ne 22	863		
28	.98	1.00	.97	.98	17	23	17	19	27	12	75	79	66	nw 30	0	nw 12	257		
Means	.46	.48	.49	.48	1.1	7.9	3.0	4.0	11.0	-2.3	84	80	86	37	29	28	21002		

REMARKS.

Feb. 6. Snow, B. 4.30 P.M.; E. D. N.

10. " B. 5.25 A.M.; E. 12.15 P.M.

Feb. 10. Snow, B. 6.20 P.M.; E. D. N.

16. " B. 4.40 P.M.; E. D. N.

* 16.98.

FEBRUARY, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	*T	.	.	T	0	0	0	s 6 sw	s 9 w	L.Fog sw	F	Cy	Cr
2	*T	.	.	T	0	0	0	0	k 6 sw	L.Fog sw	Cr	F	Cr
3	*T	.	.	T	0	c 8 sw	c 4 sw	0	0	0	Cr	Cy	F
4	.	.	.	.	0	c 3 w	c 2	L. Haze	0	0	Cr	Cr	Cr
5	.	.	.	.	c 6 sw	c 9 sw	c 3 s	0	0	0	F	Cy	Cr
6	*T	*T	.03	.03	Hidden	Hidden	Hidden	D.Fog sw	D. Fog s	{ D. Fog sw N 10	Fy	Fy	LS
7	.02	*T	.	.02	Hidden	Hidden	0	D.Fog sw	D.Fog sw	0	Fy	Fy	Cr
8	.	.	.	.	0	c 3 w	0	0	0	0	Cr	Cr	Cr
9	.	.	.	.	c 1 w	c 2 sw	c 6 sw	0	0	0	Cr	Cr	F
10	*T	.03	.03	.06	Hidden	Hidden	Hidden	D. Fog w	D.Fog sw	{ D. Fog w N 10	Fy	Fy	LS
11	.02	.	.	.02	Hidden	c 9 w	c 3 w	D. Fog w	0	0	Fy	Cy	Cr
12	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
13	.	.	.	.	c 1 w	c 1	0	0	k 7 sw	L. Fog w	Cr	Cy	Cr
14	*T	.	.	T	0	0	0	0	0	0	Cr	Cr	Cr
15	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
16	.	.	.02	.02	c 1	c 8 w	Hidden	0	0	{ D. Fog sw N 10	Cr	Cy	LS
17	.01	.	.	.01	Hidden	0	0	D.Fog NW	KS 5 NW	0	Fy	F	Cr
18	.	.	.04	.04	c 3 w	Hidden	Hidden	0	s 10 sw	{ D. Fog N 10	Cr	Cy	LS
19	.06	.	.	.06	0	0	0	L. Fog	KS 3 w	L.Fog sw	Cr	Cr	Cr
20	.	.04	.02	.06	Hidden	Hidden	Hidden	s 10 sw	{ D. Fog sw N 10	{ D. Fog w N 10	Cy	LS	LS
21	.02	.	.	.02	0	0	0	0	L.Fog sw	0	Cr	Cr	Cr
22	*T	.	.02	.02	0	0	Hidden	L. Fog w	KS 8 w	N 10	Cr	Cy	LS
23	.05	.	.	.05	0	0	0	0	0	0	Cr	Cr	Cr
24	.	.	.	.	0	c 8 w	Hidden	0	0	s 10 sw	Cr	Cy	Cy
25	.02	.03	T	.05	Hidden	Hidden	0	N 10 sw	N 10 w	0	LS	LS	Cr
26	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
27	.	.	.	.	0	c 8 w	0	s 6 NW	0	0	F	Cy	Cr
28	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
Total.	.20	.10	.16	.46									

REMARKS.

Feb. 18. Snow, B. 5.15 P.M.; E. D. N.
20. " B. 7.40 A.M.; E. D. N.

Feb. 22. Snow, B. 3.15 P.M.; E. D. N.
25. " B. D. N.; E. 1.15 P.M.

* Frost.

1889AnHar...22...1P

MARCH, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Direction and Velocity in Miles per Hour.			24 Hours.		
														A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.91	.84	.77	.84	18	25	19	20	26	16	68	59	60	NW 38	W 42	W 52	897		
2	.79	.75	.71	.75	19	24	18	20	26	18	52	46	45	NW 36	W 6	SW 36	659		
3	.67	.65	.66	.66	13	18	14	15	18	13	76	94	78	SW 56	SW 16	SW 14	728		
4	.55	.48	.40	.48	14	13	8	12	14	8	100	100	100	SW 7	S 20	W 24	342		
5	.49	.47	.53	.50	2	6	9	6	9	2	66	69	73	NW 12	NW 13	NW 32	382		
6	.59	.65	.69	.64	13	17	10	13	17	9	85	67	80	NW 56	NE 3	NW 16	686		
7	.76	.74	.65	.72	18	21	13	17	21	10	80	63	76	NW 20	W 23	W 48	538		
8	.59	.65	.77	.67	7	4	11	8	13	7	100	83	62	NW 40	NW 15	NE 22	642		
9	.79	.91	.95	.88	13	22	18	18	23	12	64	89	70	N 20	NW 6	NW 7	371		
10	.96	.96	.95	.96	20	25	20	22	25	18	80	67	70	0	0	N 16	78		
11	.90	.86	.87	.88	24	30	22	26	30	20	66	40	60	N 26	W 20	NW 14	309		
12	.88	.94	.97	.93	22	22	16	20	23	16	76	73	89	N 14	NE 4	S 26	371		
13	.98	.97	.94	.96	21	28	22	24	28	16	74	76	74	W 42	W 34	SW 20	694		
14	.84	.87	.88	.86	19	25	19	21	25	19	61	43	61	W 42	NW 8	W 16	691		
15	.85	.87	.88	.87	23	26	22	24	27	19	56	42	71	N 20	NW 9	N 14	357		
16	.89	.89	.91	.90	21	26	21	23	26	20	73	65	73	N 18	NW 6	N 15	330		
17	.88	.86	.84	.86	22	31	24	26	31	20	73	72	42	NW 16	W 14	NW 4	301		
18	.78	.74	.70	.74	20	27	22	23	28	20	68	68	77	NW 10	W 6	W 24	335		
19	.70	.70	.74	.71	12	18	8	13	22	8	74	100	100	N 28	S 11	W 16	431		
20	.70	.72	.71	.71	4	11	6	7	11	4	73	65	80	NW 52	N 3	NW 10	505		
21	.65	.62	.66	.64	2	5	- 1	2	6	- 1	79	89	100	N 6	N 1	NE 18	155		
22	.67	.68	.72	.69	- 1	5	4	3	5	- 2	87	80	76	NE 1	NE 1	N 8	124		
23	.73	.74	.64	.71	16	19	14	16	19	4	76	51	47	N 15	NW 8	NW 56	544		
24	.65	.65	.63	.64	12	16	14	14	17	12	71	72	55	NW 44	W 45	W 36	1028		
25	.60	.57	.54	.57	14	24	12	16	25	12	76	57	100	W 8	SW 12	E 13	399		
26	.46	.46	.52	.48	9	11	- 2	6	12	- 2	100	100	100	N 18	N 4	N 21	336		
27	.56	.61	.64	.61	- 4	3	4	1	4	- 4	91	89	83	N 16	NW 38	NW 52	614		
28	.70	.76	.74	.73	9	17	14	13	17	4	74	83	65	N 44	NW 46	NW 44	1055		
29	.56	.51	.59	.55	15	21	11	16	21	11	72	65	85	NW 64	W 38	W 20	993		
30	.54	.60	.67	.60	1	6	2	3	7	- 1	86	100	100	NW 19	NW 7	N 10	329		
31	.69	.77	.76	.74	- 3	11	10	6	11	- 5	71	65	62	N 38	NW 16	NW 28	635		
Means	.72	.73	.73	.72	12.8	18.0	13.0	14.6	19.0	9.8	76	72	75	27	15	24	15859		

REMARKS.

March 4. Snow, B. D. N.; E. D. N.
 19. " B. 2.30 P.M.; E. D. N.
 21. " B. 5.30 A.M.; E. 12.16 P.M.

March 21. Snow, B. 3.50 P.M.; E. D. N.
 25. " B. 4.30 P.M.; E. D. N.
 26. " B. 9.45 A.M.; E. D. N.

MARCH, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.	.	.	.	0	c 4 w	c 2 w	s 6 NW	0	0	F	F	Cr
2	.	.	.	.	c 3	c 8	0	0	0	0	Cr	Cy	Cr
3	.	.	.	.	Hidden	0	Hidden	s 10 w	{ ^s 5 L. Fog w	s 10 sw	Cy	F	Cy
4	.02	.	.	.02	Hidden	Hidden	Hidden	D.Fog sw	D.Fog sw	D.Fog w	Fy	Fy	Fy
5	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
6	.	.	.	.	c 2 NW	CS 7	0	KS 4 w	0	0	F	F	Cr
7	.	.	.	.	0	0	0	0	0	s 2 w	Cr	Cr	Cr
8	*T	*T	.	T	Hidden	CS 4 NW	0	D. Fog w	K 2	0	Fy	F	Cr
9	.	.	.	.	0	0	0	L. Haze	0	0	Cr	Cr	Cr
10	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
11	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
12	.	.	.	.	0	CS 9	Hidden	s 5 w	0	s 10 sw	F	Cy	Cy
13	.	.	.	.	c 1 w	CS 4 w	0	0	0	s 4 w	Cr	F	F
14	.	.	.	.	CK 3 w	0	0	L. Haze	0	0	Cr	Cr	Cr
15	.	.	.	.	CS 5 w	0	0	0	0	0	F	Cr	Cr
16	.	.	.	.	0	c 8	0	0	0	s 5 NW	Cr	Cy	F
17	.	.	.	.	c 3	0	Hidden	0	0	s 10 w	Cr	Cr	Cy
18	.	.	.	.	c 8	c 1	0	0	0	0	Cy	Cr	Cr
19	.	.	.06	.06	0	Hidden	Hidden	0	D.Fog SE	N 10 NW	Cr	Fy	HS
20	.01	.	.	.01	c 3 w	CK 6 NW	c 2 w	0	0	0	Cr	F	Cr
21	*T	.04	.01	.05	CS 4	0	Hidden	0	s 5 N	{ ^N 10 D. Fog E	F	F	LS
22	T	.	.	T	CS 2 NW	0	0	K 2 N	K 3 NE	0	F	Cr	Cr
23	.	.	.	.	CS 8 N	c 4	0	0	0	0	Cy	F	Cr
24	.	.	.	.	0	CS 10 w	0	s 8 w	0	s 3 w	Cy	Cy	Cr
25	.	.	.01	.01	CS 6	Hidden	Hidden	0	s 10	s N 10	F	Cy	LS
26	.04	.02	2.00	2.06	Hidden	Hidden	Hidden	D.Fog NE	N 10 NE	N 10 NE	Fy	LS	HS
27	.20	.	.	.20	CS 6 NE	CS 8 N	0	L. Haze	0	s 7 NW	F	Cy	F
28	.	.	.	.	CS 8 NW	CS 10 N	0	0	0	s 6 w	Cy	Cy	F
29	.	.	.	.	0	CS 8 w	Hidden	0	0	s 10 w	Cr	Cy	Cy
30	.03	.	.06	.09	CS 8 N	Hidden	Hidden	0	D.Fog N	D. Fog N	Cy	Fy	Fy
31	.02	.	.	.02	0	c 6	0	0	0	0	Cr	F	Cr
Total	.32	.06	2.14	2.52									

REMARKS.

March 30. Snow, { B. D. N.; E. D. N.
B. 2.30 P.M.; E. 6.40 P.M.

March 31. Snow, B. D. N.; E. D. N.

* Frost.

APRIL, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	
	1	.77	.83	.83	.81	8	22	19	16	25	6	73	71	82	NW 44	NW 8		W 21	614
2	.82	.77	.69	.76	18	30	23	24	33	16	58	52	56	N 16	W 12	SW 29	479
3	.57	.66	.71	.65	14	18	10	14	21	10	42	38	60	W 36	W 14	W 28	867
4	.78	.82	.82	.80	7	22	18	16	27	5	49	44	50	NW 40	W 25	SW 20	739
5	.76	.78	.82	.78	15	23	19	19	26	14	50	37	51	NW 16	NW 26	NW 30	572
6	.88	.94	.94	.92	18	28	24	23	34	16	56	52	56	NW 26	NE 3	SW 18	405
7	.92	.90	.85	.89	26	36	27	30	36	20	52	39	51	SW 22	SW 22	W 23	512
8	.80	.74	.64	.72	22	22	21	22	29	20	76	100	100	SW 38	SW 28	S 20	722
9	.47	.62	.58	.56	15	18	16	16	22	13	100	100	100	0	0	SW 23	328
10	.54	.54	.48	.52	12	22	16	17	23	12	92	93	100	SW 31	SW 24	SW 32	748
11	.46	.48	.60	.51	8	12	7	9	16	7	83	94	95	SW 36	S 18	S 18	546
12	.61	.55	.50	.55	7	14	10	10	17	6	100	100	100	SW 12	NE 26	NE 20	534
13	.24	.32	.43	.33	4	6	4	5	10	3	100	100	100	0	NE 12	NW 20	342
14	.54	.64	.70	.63	4	11	13	9	14	3	89	96	100	NW 13	W 12	SW 20	300
15	.70	.76	.71	.72	12	18	18	16	21	11	95	91	100	W 15	SW 19	S 22	385
16	.61	.55	.50	.55	17	20	13	17	22	13	100	100	100	W 12	W 14	W 12	350
17	.46	.48	.49	.47	11	21	13	15	24	11	100	100	100	NE 10	W 2	N 13	230
18	.50	.47	.47	.48	10	24	10	15	25	9	94	100	100	0	SW 11	NE 16	253
19	.48	.59	.71	.59	- 2	2	7	2	10	- 2	74	83	69	NW 48	NW 36	W 34	818
20	.63	.64	.58	.62	4	16	17	12	18	2	78	88	100	W 52	W 42	SW 22	1046
21	.47	.36	.34	.39	11	9	- 4	5	17	- 4	100	100	87	SW 10	W 23	NW 48	636
22	.47	.56	.61	.55	- 5	2	1	0	2	- 6	100	100	100	NE 38	N 15	W 20	599
23	.56	.55	.57	.56	0	10	0	4	11	- 4	91	89	94	NW 4	NW 3	NE 6	176
24	.55	.51	.51	.52	- 1	6	0	2	9	- 5	83	83	100	W 8	W 8	N 20	269
25	.44	.56	.59	.53	1	9	7	6	13	- 2	89	100	100	N 58	NW 15	W 44	812
26	.63	.70	.72	.68	8	20	16	15	22	7	82	85	83	NW 42	W 16	NW 28	746
27	.66	.75	.86	.76	13	23	24	20	26	12	76	73	63	W 70	W 54	NW 46	1216
28	.95	.97	.93	.95	27	36	29	31	38	22	66	59	67	0	S 9	S 26	355
29	.85	.83	.76	.81	25	34	26	28	36	24	66	53	51	W 28	SW 20	W 26	627
30	.61	.58	.50	.56	20	32	21	24	34	18	49	52	58	W 60	SW 18	W 52	991
Means	.62	.65	.65	.64	11.1	18.9	14.2	14.7	22.0	8.6	79	79	82	26	18	25	17217

REMARKS.

April 8. Snow, B. 11.25 A.M.; E. D. N.

9. " B. 5.15 P.M.; E. D. N.

12. " B. 6.35 A.M.; E. 2.10 P.M. of 13th.

14. " B. 2.45 P.M.; E. D. N.

April 15. Snow, B. 7.40 P.M.; E.-D.N.

16. " { B. 2.35 P.M.; E. 4.20 P.M.

{ B. 6.50 P.M.; E. 6.50 A.M. of 17th.

17. " B. 11.30 A.M.; E. 5.15 P.M.

APRIL, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
					Upper.			Lower.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00
1	.	.	.	.	c 3	c 2	c 2	0	k 1 NW	0	Cr	Cr	Cr
2	.	.	.	.	0	c 3 w	c 2 w	0	k 1 w	s 3 w	Cr	F	F
3	.	.	.	.	0	c 2 w	0	0	0	L.Smoke	Cr	Cr	Cr
4	.	.	.	.	0	0	0	L. Haze	0	0	Cr	Cr	Cr
5	.	.	.	.	c 1 NW	c 6 NW	c 2 NW	0	L. Haze	0	Cr	F	Cr
6	.	.	.	.	0	0	0	L. Haze	L. Haze	0	Cr	Cr	Cr
7	.	.	.	.	c 2	c 6 sw	c 2 sw	L. Haze	k 1 sw	L. Haze	Cr	F	Cr
8	.	.04	.11	.15	cs 6 sw	Hidden	Hidden	0	N 10 sw	N 10 s	F	LS	LS
9	.16	.	.02	.18	Hidden	c 4 w	Hidden	s 10	L.Fogsw	{ D. Fog sw N 10	Cy	F	LS
10	.01	.	.	.01	c 4 sw	Hidden	Hidden	0	s 10 s	D.Fogsw	F	Cy	Fy
11	*T	.	.	T	c 2 s	0	0	0	k 8 sw	0	Cr	Cy	Cr
12	.	.04	.22	.26	Hidden	Hidden	Hidden	s 10 sw	N 10 NE	N 10 NE	Cy	LS	HS
13	1.52	.67	.19	2.38	Hidden	Hidden	Hidden	N 10	N 10 N	s 10 N	LS	LS	Cy
14	*T	.	.03	.03	0	Hidden	Hidden	0	s 10 w	N 10 sw	Cr	Cy	LS
15	.01	.	T	.01	c 2 w	c 6 w	Hidden	0	0	{ D. Fog s N 10	Cr	F	LS
16	.02	.	.03	.05	Hidden	cs 8 w	Hidden	D.Fog w	L. Fog w	N 10 sw	Fy	Cy	LS
17	.74	.04	.07	.85	Hidden	Hidden	0	N 10 N	N 10	L. Fog N	LS	LS	Cr
18	.	.	.07	.07	c 2 NW	Hidden	Hidden	0	D.Fogsw	s 10 NE	Cr	Fy	Cy
19	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
20	.	.	T	T	c 3 w	0	Hidden	0	k 3 sw	D.Fogsw	Cr	Cr	Fy
21	*T	.	.	T	Hidden	Hidden	0	D.Fogsw	D.Fogsw	0	Fy	Fy	Cr
22	*T	*T	.	T	Hidden	c 1 NW	c 4 NW	D.Fog NE	L.Fog NW	L. Fog w	Fy	Cr	F
23	.	.	.37	.37	c 8 NW	Hidden	0	0	s 10 NW	k 1 N	Cy	Cy	Cr
24	.	T	.14	.14	0	Hidden	Hidden	0	N 10 w	s 10 NW	Cr	LS	Cy
25	.	.02	.	.02	c 5 NW	Hidden	0	0	D.FogNW	L. Fog w	F	Fy	Cr
26	.	.	.	.	c 1 NW	0	c 1 w	0	k 5 w	0	Cr	F	Cr
27	.	.	.	.	cs 7 NW	c 8 NW	c 4 NW	0	0	s 1 NW	F	Cy	F
28	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
29	.	.	.	.	0	c 1 w	0	0	k 8 w	0	Cr	Cy	Cr
30	.	.	.	.	c 6 sw	0	0	0	0	0	F	Cr	Cr
Total	2.46	.81	1.25	4.52									

REMARKS.

April 18. Snow, B. 1.35 P.M.; E. 7.25 P.M.
 20. " B. 5.50 P.M.; E. 7.40 P.M.
 23. " B. 1.20 P.M.; E. 7.45 P.M.

April 24. Snow, B. 12.45 P.M.; E. 3.05 P.M.
 25. " B. 7.25 A.M.; E. 11.30 A.M.

* Frost.

MAY, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	
	1	.37	.33	.45	.38	10	6	5	7	22	4	87	100	100	SW 24	NW 28		NE 30	683
2	.56	.66	.72	.65	2	8	3	4	11	0	100	100	100	NW 14	NE 6	N 16	391
3	.76	.89	.92	.86	5	17	19	14	22	- 2	83	76	78	N 28	N 26	N 12	525
4	.90	.89	.90	.90	19	30	24	24	30	17	79	62	57	N 34	0	NW 16	471
5	.87	.88	.86	.87	22	36	27	28	37	20	45	54	59	NW 28	SW 14	SW 12	433
6	.82	.79	.72	.78	26	36	26	29	38	23	58	50	78	s 16	SW 22	SW 36	550
7	.62	.72	.80	.71	20	33	21	25	34	19	71	51	80	SW 70	w 9	E 26	744
8	.89	.96	.98	.94	22	33	27	27	36	18	90	68	62	SW 11	w 7	w 20	304
9	1.01	1.01	.97	1.00	28	38	28	31	40	25	69	57	76	N 4	SW 7	s 20	254
10	.91	.89	.96	.89	28	40	29	32	42	25	66	48	95	SW 19	SW 14	SW 20	404
11	.82	.78	.73	.78	26	38	29	31	40	26	62	57	66	SW 28	s 14	SW 28	545
12	.70	.69	.67	.69	21	36	22	26	37	15	59	41	92	SW 36	s 15	w 36	591
13	.68	.70	.80	.73	17	15	20	17	28	13	100	100	85	w 19	w 26	SW 18	433
14	.84	.92	.97	.91	17	31	25	24	33	13	72	55	80	SW 14	SW 18	SW 8	377
15	.98	.99	.97	.98	23	31	22	25	32	21	100	84	100	SW 16	SW 6	w 4	271
16	.98	.99	1.01	.99	22	30	22	25	34	20	74	83	92	w 6	w 8	NW 10	151
17	1.02	1.02	1.02	1.02	25	29	30	28	35	21	69	92	77	N 23	N 14	N 3	321
18	.98	.96	.85	.93	28	41	35	35	42	28	69	76	100	NW 10	N 2	SW 39	293
19	.82	.80	.76	.79	25	36	30	30	37	24	86	92	85	SW 14	SW 28	SW 28	558
20	.75	.75	.78	.76	26	34	25	28	36	25	87	52	71	SW 56	SW 24	SW 22	682
21	.83	.85	.88	.85	27	33	26	29	35	24	77	70	86	s 9	SW 18	SW 6	404
22	.87	.90	.90	.89	27	31	23	27	31	22	74	79	98	SW 38	SW 18	w 32	493
23	.91	.89	.90	.90	30	32	26	29	34	23	78	76	88	w 20	NW 6	w 26	483
24	.87	.89	.88	.88	28	38	27	31	38	25	84	59	92	w 9	SW 6	w 24	381
25	.89	.94	.94	.92	31	34	32	32	37	27	82	79	70	w 20	NW 8	SW 10	284
26	.94	.92	.89	.92	33	32	26	30	34	26	79	100	100	E 8	E 11	N 6	219
27	.84	.87	.90	.87	24	26	26	25	27	23	100	100	100	N 25	N 15	E 19	518
28	.92	.97	.98	.96	22	28	28	26	29	22	100	98	100	s 1	N 8	NE 17	240
29	1.00	1.05	1.03	1.03	26	33	32	30	33	24	100	87	86	NE 12	NE 7	NE 8	279
30	.99	.99	.98	.99	27	34	32	31	34	26	84	85	90	NE 25	NW 17	N 13	404
31	.94	.98	.96	.96	31	41	35	36	44	29	86	48	85	NE 24	NW 6	w 20	438
Means	.85	.87	.87	.86	23.2	31.0	25.2	26.5	33.7	20.3	80	74	85	21	13	19	13124

REMARKS.

May 1. Snow, B. 7.50 A.M.; E. 7.45 P.M.	May 13. Snow, { B. D. N.; E. D. N.	May 17. Snow, B. 11.25 A.M.; E. 12.10 P.M.
2. " B. 12.45 P.M.; E. 6.30 P.M.	{ B. 12.45 P.M.; E. 1.20 P.M.	18. " B. 6.30 P.M.; E. D. N.
7. " B. 5.40 P.M.; E. 7.35 P.M.	15. " B. 1.35 P.M.; E. 3.10 P.M.	21. " B. 4.05 P.M.; E. 4.10 P.M.
11. Sleet, B. 4.35 P.M.; E. 4.50 P.M.	16. " B. 3.15 P.M.; E. 5.30 P.M.	22. " B. 9.25 A.M.; E. 11.55 A.M.

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MAY, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.	.16	1.27	1.43	c 6 sw	Hidden	Hidden	s 2 sw	N 10 NW	s 10 N	Cy	LS	Cy
2	.	T	.02	.02	Hidden	Hidden	0	D.FogNW	N 10 NE	L.FogNW	Fy	LS	Cr
3	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
4	.	.	.	.	c 7 w	0	c 3 NW	0	s 8 NW	0	F	Cy	Cr
5	.	.	.	.	c 1 NW	c 2 w	c 3 SW	0	K 4 W	K 2 SW	Cr	F	F
6	.	.	.	.	c 1 sw	0	c 2 sw	0	K 3 sw	0	Cr	Cr	Cr
7	.	.	.02	.02	c 2 sw	c 6 s	Hidden	s 4 sw	K 1 s	s 10 s	F	F	Cy
8	.	.	.	.	0	0	0	0	K 1 N	0	Cr	Cr	Cr
9	.	.	.	.	0	0	0	L. Haze	K 2 s	L. Haze	Cr	Cr	Cr
10	.	.	.	.	0	0	0	L. Haze	K 4 sw	L.Fogsw	Cr	F	Cr
11	.	.	T	T	c 5 w	c 2	0	0	K 7 sw	L. Haze	F	Cy	Cr
12	.	.	.	.	0	c 2 s	Hidden	0	K 1 s	s 10 sw	Cr	Cr	Cy
13	T	T	T	T	0	Hidden	0	L.Fogsw	N 10 sw	s 4 sw	Cr	LS	F
14	.	.	.	.	0	0	c 2 w	0	K 5 w	s 3 sw	Cr	F	F
15	*T	.	.16	.16	Hidden	Hidden	c 3 w	D.Fogsw	s 10 sw	s 4 sw	Fy	Cy	F
16	.	.	.03	.03	Hidden	Hidden	0	s 10 w	s 10 w	K 1 w	Cy	Cy	Cr
17	.	T	.	T	0	Hidden	0	0	s 10 NW	0	Cr	Cy	Cr
18	.	.	.02	.02	c 3 w	Hidden	Hidden	0	s 10	N 10 sw	Cr	Cy	LS
19	.01	.	.	.01	cs 8 sw	c 4	c 2	0	s 3 s	0	Cy	F	Cr
20	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
21	.	.	T	T	0	cs 4 sw	0	s 3 s	KS 3	s 3	Cr	F	Cr
22	.	.02	.03	.05	c 6	Hidden	0	L. Haze	s 10 sw	0	F	Cy	Cr
23	.	T	.03	.03	0	Hidden	0	0	s 10 sw	s 5 w	Cr	Cy	F
24	.	.	.01	.01	0	Hidden	0	0	s 10 s	KS 1	Cr	Cy	Cr
25	.	.	.	.	0	c 1	Hidden	0	KS 4 w	s 10	Cr	F	Cy
26	.	.01	.03	.04	0	Hidden	Hidden	s 8	D.FogSE	N 10 N	Cy	Fy	LS
27	.06	.01	.08	.15	Hidden	Hidden	Hidden	N 10 N	D.FogNE	D.FogE	LS	Fy	Fy
28	*T	.	T	T	Hidden	Hidden	Hidden	D. Fog s	s 10 N	N 10 NE	Fy	Cy	LS
29	.03	.	.	.03	Hidden	0	0	D. Fog N	K 2	s 7 N	Fy	Cr	F
30	.	.	.	.	0	0	0	L. Haze	L. Fog N	0	Cr	Cr	Cr
31	.	.	T	T	0	0	0	0	K 4 N	0	Cr	F	Cr
Total	.10	.20	1.70	2.00									

REMARKS.

May 22. Hail, B. 6.35 P.M.; E. 6.55 P.M.	May 24. Snow, B. 4.40 P.M.; E. 5.10 P.M.	May 27. Snow, B. 1.20 P.M.; E. 7.40 P.M.
23. { Hail, B. 11.35 A.M.; E. 11.40 A.M. Snow, B. 1.20 P.M.; E. 5.15 P.M.	26. Snow, { B. 11.50 A.M.; E. 12.55 P.M. B. 6.30 P.M.; { E. 5.30 A.M.	28. " B. 7.50 P.M.; E. D. N.
24. Snow, B. 2.50 P.M.; E. 4.30 P.M.	of 27th	31. " B. 5.20 P.M.; E. 5.33 P.M.

* Frost.

JUNE, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour			Movement. 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	
1	.88	.91	.87	.89	33	36	33	34	37	32	83	100	79	w 28	w 23	w 26	659
2	.82	.82	.82	.82	29	35	28	31	40	23	90	74	90	w 38	sw 28	nw 18	508
3	.81	.82	.83	.82	26	32	28	29	34	24	100	87	89	sw 14	sw 24	w 16	404
4	.75	.79	.78	.77	26	33	29	29	38	25	100	83	89	w 28	sw 28	sw 36	624
5	.81	.84	.87	.84	26	35	32	31	38	21	74	65	52	sw 28	w 48	sw 22	882
6	.87	.90	.88	.88	31	41	33	35	43	28	70	49	54	sw 36	sw 12	sw 22	809
7	.92	.95	.94	.94	33	42	35	37	44	28	63	44	72	sw 18	sw 18	se 18	421
8	.95	.94	.93	.94	30	35	30	32	37	26	100	81	77	se 14	sw 18	n 8	358
9	.92	.89	.86	.89	29	35	29	31	40	27	78	94	77	nw 17	n 4	ne 22	299
10	.87	.88	.91	.89	28	32	33	31	39	27	59	72	71	n 20	nw 23	w 16	310
11	.96	1.00	.97	.98	36	42	36	38	45	31	61	72	95	0	se 4	s 28	232
12	.98	.96	.93	.96	33	45	35	38	48	31	72	56	92	s 12	s 10	s 20	344
13	.94	.98	.94	.95	33	43	37	38	47	31	77	46	64	sw 28	sw 12	s 28	566
14	.95	.94	.91	.93	33	37	32	34	47	31	93	81	96	sw 22	sw 38	sw 28	645
15	.86	.92	.93	.90	30	39	33	34	46	28	77	54	62	sw 54	sw 26	s 26	948
16	.93	1.00	1.04	.99	29	42	38	36	44	26	66	48	79	w 23	sw 14	nw 8	542
17	1.03	1.03	1.02	1.03	35	42	38	38	44	31	84	54	65	sw 17	w 10	sw 22	300
18	1.03	1.05	1.05	1.04	37	46	39	41	48	35	49	42	60	nw 8	n 10	w 11	229
19	1.06	1.05	1.05	1.05	42	47	40	43	49	36	63	54	73	sw 12	w 11	w 16	346
20	1.06	1.12	1.14	1.11	38	47	36	40	51	36	58	66	100	nw 11	e 10	e 12	301
21	1.12	1.15	1.13	1.13	37	45	34	39	46	31	80	76	95	n 28	n 8	n 12	398
22	1.09	1.08	1.05	1.07	35	45	35	38	45	30	84	71	85	n 22	nw 12	n 8	282
23	.98	.97	.96	.97	36	45	37	39	46	30	66	52	80	ne 16	ne 8	n 10	335
24	.92	.99	1.02	.98	34	47	39	40	48	30	70	53	100	n 19	nw 8	sw 24	398
25	1.07	1.09	1.04	1.07	38	55	42	45	56	37	65	53	68	w 13	sw 12	sw 25	347
26	.98	1.06	1.05	1.03	35	47	34	39	50	30	84	69	100	w 32	sw 8	nw 24	741
27	1.06	1.08	1.06	1.07	38	40	37	38	43	32	64	100	68	ne 10	se 4	ne 9	244
28	1.03	1.04	1.04	1.04	35	38	36	36	39	32	92	72	60	ne 1	ne 10	ne 6	180
29	1.00	1.00	.99	1.00	36	46	33	38	48	33	79	78	95	w 17	sw 11	w 8	265
30	.96	1.06	1.07	1.03	32	41	36	36	41	29	71	55	67	ne 27	ne 8	n 13	373
Means	.95	.98	.97	.97	33.1	41.2	34.6	36.3	44.0	29.8	76	67	78	20	15	18	13290

REMARKS.

June 1. Snow, {B. 12.10 P.M.; E. 1.05 P.M.
 {B. 4.15 P.M.; E. 5.10 P.M.
2. {Snow, B. D.N.; E. D.N.
 {Sleet, B. 2.25 P.M.; E. 5.40 P.M.
8. Snow, B. D.N.; E. D.N.

June 8. Sleet, B. 1.45 P.M.; E. 3.10 P.M.
9. Snow, B. 1.10 P.M.; E. 4.45 P.M.
10. Sleet, B. 12.45 P.M.; E. 1.10 P.M.
14. " {B. 11.10 A.M.; E. 12.25 P.M.
 {B. 4.20 P.M.; E. 6.20 P.M.

June 18. Snow, B. 2.40 P.M.; E. 3.15 P.M.
20. {Hail, B. 12.35 P.M.; E. 12.38 P.M.
 {Sleet, B. 1.21 P.M.; E. 4.05 P.M.
21. Sleet, B. D.N.; E. D.N.
23. " B. 1.15 P.M.; E. 1.40 P.M.

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JUNE, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
					Upper.			Lower.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00
1	.01	.02	.03	0	Hidden	cs 4 sw	0	N 10 w	K 2	Cr	LS	F	
2	.01	.30	.31	0	0	0	0	s 8 sw	s 7 w	Cr	Cy	F	
3	*T	.	T	Hidden	Hidden	c 5 w	D.Fogsw	s 10 sw	0	Fy	Cy	F	
4	*T	.	T	Hidden	c 1	0	D.Fogw	K 3 sw	0	Fy	F	Cr	
5	.	.	.	c 2 w	0	0	0	0	0	Cr	Cr	Cr	
6	.	.	.	0	c 1 sw	0	0	0	0	Cr	Cr	Cr	
7	.	.	.	c 4 sw	c 4 sw	c 6 sw	K 1 sw	K 3 sw	s 2 sw	F	F	Cy	
8	.01	.02	.03	Hidden	Hidden	c 7 w	D.Fog s	s 10 sw	s 1 w	Fy	Cy	Cy	
9	.	.03	.03	c 5 w	Hidden	c 1 sw	0	D.Fognw	0	F	Fy	Cr	
10	. T	T	T	0	Hidden	c 3 w	0	N 10 NW	K 1 w	Cr	Sl	F	
11	.	.	.	0	0	Hidden	0	K 8 sw	D.Fog s	Cr	Cy	Fy	
12	.	.	.	0	0	Hidden	0	K 2 sw	D.Fog s	Cr	Cr	Fy	
13	.	.	.	0	0	c 2 sw	0	K 8 sw	0	Cr	Cy	Cr	
14	.16	.30	.46	Hidden	0	c 8 sw	D.Fogsw	K 7 sw	0	Fy	F	Cy	
15	.	.	.	c 3 sw	0	0	0	0	0	Cr	Cr	Cr	
16	.	.	.	0	0	0	0	0	L. Haze	Cr	Cr	Cr	
17	.	.	.	0	0	0	0	0	s 3 sw	Cr	Cr	Cr	
18	.	T	T	c 6	0	Hidden	L. Haze	KS 8 NW	s 10 w	F	Cy	Cy	
19	.	.	.	0	0	Hidden	0	KS 8 w	s 10 w	Cr	Cy	Cy	
20	. T	.02	.02	0	0	Hidden	0	s 9 NE	D.FogNE	Cr	Cy	Fy	
21	.03	.	.03	0	0	0	L. Haze	0	L.Fog NE	Cr	Cr	Cr	
22	.	.	.	0	0	0	0	K 6 w	s 1	Cr	F	Cr	
23	.	.04	.04	0	Hidden	Hidden	0	s 10 N	s 10 N	Cr	Cy	Cy	
24	.01	.01	.02	0	c 2	Hidden	0	s 3 w	N 10 w	Cr	F	Sl	
25	.01	.	.01	0	0	0	0	K 6 sw	s 4 w	Cr	F	F	
26	.	.01	.01	cs 3 w	c 3 s	Hidden	L. Haze	s 4 sw	N 10 NW	Cr	F	Hl	
27	.01	.19	.22	cs 3	Hidden	0	s 4 N	N 10 SE	s 8 N	F	Sl	Cy	
28	T	.02	.05	0	Hidden	0	s 5 NE	s 10 NE	s 3	F	Cy	Cr	
29	.	.16	.16	cs 8	Hidden	Hidden	L. Haze	s 10 w	s 10 w	Cy	Cy	Cy	
30	.	.02	.02	0	c 2	0	0	s 4 NW	s 2	Cr	F	Cr	
Total	.08	.38	.98	1.44									

REMARKS.

June 23. Sleet, B. 4.00 P.M.; E. 7.30 P.M.
 24. { Snow, B. D. N.; E. D. N.
 { Sleet, B. 7.50 P.M.; E. D. N.
 26. Hail, B. 7.40 P.M.; E. D. N.

June 27. Sleet, B. 9.38 A.M.; E. 1.45 P.M.
 28. { Sleet, B. D. N.; E. D. N.
 { Hail, B. 8.38 A.M.; E. 8.48 A.M.
 { Sleet, B. 1.05 P.M.; E. 1.30 P.M.

June 29. { Sleet, B. 2.50 P.M.; E. 3.10 P.M.
 { Hail, B. 4.25 P.M.; E. 4.53 P.M.
 { Sleet, B. 5.20 P.M.; E. 6.30 P.M.
 30. Hail, B. 3.03 P.M.; E. 3.25 P.M.

* Frost.

JULY, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
				Mean.				Mean.	Max.	Min.				Direction and Velocity in Miles per Hour.						Movement 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00		A.M. 5.00	P.M. 1.00	P.M. 8.00				A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	
1	1.06	1.06	1.05	1.06	35	46	38	40	48	35	61	63	56	NW 22	SW 7	SW 12	394			
2	1.00	1.00	1.02	1.01	31	40	33	35	41	30	70	69	81	SW 21	NW 4	N 8	443			
3	1.01	1.04	1.01	1.02	31	40	34	35	42	29	70	49	65	W 18	W 12	NW 24	327			
4	1.04	1.09	1.10	1.08	36	43	37	39	43	32	51	52	59	N 24	NE 12	NE 15	327			
5	1.12	1.16	1.18	1.15	39	45	42	42	47	34	57	60	57	NE 8	NE 8	NW 5	198			
6	1.18	1.21	1.21	1.20	41	49	40	43	50	39	45	39	69	NE 12	NE 15	E 12	274			
7	1.19	1.17	1.13	1.16	41	43	41	42	49	40	56	64	62	N 18	NE 6	W 15	265			
8	1.10	1.13	1.14	1.12	41	45	35	40	46	35	53	65	91	NE 15	NE 12	NW 10	317			
9	1.12	1.12	1.10	1.11	36	42	37	38	44	32	82	96	82	NW 9	SW 1	N 8	171			
10	1.04	1.08	1.03	1.05	38	46	40	41	51	35	48	63	80	N 21	NE 4	SW 14	334			
11	1.02	1.04	1.08	1.05	35	48	38	40	49	34	91	68	96	W 24	SW 4	N 8	340			
12	1.06	1.14	1.12	1.11	34	40	38	37	42	34	73	84	92	NE 21	NE 12	NE 4	329			
13	1.07	1.08	1.04	1.06	35	43	42	40	46	33	65	100	84	W 18	NE 10	SW 7	221			
14	1.00	1.01	.98	1.00	37	41	37	38	44	36	91	100	100	W 18	SE 6	SW 27	345			
15	.96	.98	.99	.98	35	42	37	38	42	35	100	100	91	SW 30	SE 6	SW 15	441			
16	1.01	1.01	1.03	1.02	36	36	31	34	37	31	100	100	100	SW 1	E 6	NW 12	199			
17	1.07	1.12	1.14	1.11	32	41	34	36	42	30	100	77	90	W 12	SW 18	W 5	288			
18	1.14	1.15	1.14	1.14	34	41	36	37	46	30	81	62	91	W 12	W 9	SW 12	256			
19	1.10	1.14	1.12	1.12	34	42	33	36	47	33	90	78	64	SW 1	NW 5	NW 27	290			
20	1.13	1.14	1.11	1.13	31	40	34	35	42	30	70	49	53	W 12	NW 12	NW 27	372			
21	1.11	1.14	1.14	1.13	33	41	36	37	47	30	80	51	65	NW 27	NW 8	NW 8	421			
22	1.10	1.10	1.08	1.09	34	41	39	38	47	31	65	56	54	NW 21	NW 6	NW 18	419			
23	1.08	1.12	1.14	1.11	34	44	41	40	49	33	65	40	56	NW 24	NE 10	NW 8	345			
24	1.15	1.17	1.18	1.17	42	44	41	42	53	38	51	44	56	N 18	W 30	N 4	313			
25	1.14	1.15	1.13	1.14	38	52	44	45	54	38	51	42	51	W 30	SW 12	SW 4	368			
26	1.08	1.09	1.08	1.08	38	50	42	43	53	38	60	56	61	NW 10	E 6	W 6	202			
27	1.07	1.06	1.07	1.07	37	47	41	42	54	37	59	68	56	NW 8	S 6	SW 21	301			
28	1.07	1.10	1.11	1.09	37	52	45	45	54	36	59	51	41	SW 15	SW 12	W 15	357			
29	1.05	1.13	1.13	1.10	38	54	39	44	55	36	54	48	83	W 48	SW 6	SW 21	599			
30	1.12	1.10	1.11	1.11	34	35	33	34	40	32	100	100	90	SE 18	SW 27	N 18	469			
31	1.07	1.09	1.09	1.08	36	41	35	37	42	30	65	51	65	NE 1	NE 12	NE 6	279			
Means	1.08	1.10	1.10	1.09	35.9	43.7	37.8	39.1	46.5	33.8	70	66	72	18	10	13	10204			

REMARKS.

July 1. Hail, { B. 11.42 A.M.; E. 12.10 P.M. { B. 1.30 P.M.; E. 2.08 P.M.	July 6. Hail, B. 4.18 P.M.; E. 5.20 P.M.	July 11. Rain, { B. 12.55 P.M.; E. 1.23 P.M.
2. " { B. 12.31 P.M.; E. 12.40 P.M. { B. 1.32 P.M.; E. 2.15 P.M.	7. " B. 10.30 A.M.; E. 11.15 A.M.	13. " { B. 1.50 P.M.; E. 7.50 P.M.
3. " { B. 12.33 P.M.; E. 12.57 P.M. { B. 3.30 P.M.; E. 6.10 P.M.	8. { Hail, B. 2.03 P.M.; E. 3.15 P.M. { Snow, 3.23 P.M.; E. 5.22 P.M.	14. " { B. 12.10 P.M.; E. 12.20 P.M.
4. " B. 5.31 P.M.; E. 6.10 P.M.	9. Sleet, { B. 12.13 P.M.; E. 12.48 P.M. { B. 2.50 P.M.; E. 3.50 P.M.	15. " { B. 12.25 P.M.; E. 1.30 P.M.
5. " B. D.N.; E. D.N.	10. Rain, B. 2.35 P.M.; E. 7.25 P.M.	{ B. 9.20 A.M.; E. 10.15 A.M.
	11. " B. D.N.; E. D.N.	{ B. 11.11 A.M.; E. 1.45 P.M.
		{ B. 6.18 P.M.; E. 7.22 P.M.
		B. D.N.; E. D.N.

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JULY, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
					Upper.			Lower.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00
1	.	.01	.02	.03	0	Hidden	Hidden	s 1	s 10 SW	s 10 SW	Cr	Cy	Cy
2	.	T	.02	.02	0	0	0	s 8 W	K 4 NW	K 2	Cy	F	Cr
3	.	.01	.09	.10	0	Hidden	0	0	s 10 W	0	Cr	Cy	Cr
4	.	.	.03	.03	0	0	Hidden	0	K 3 N	s 10 NE	Cr	Cr	Cy
5	.02	.	.	.02	0	0	0	0	KS 6 NE	0	Cr	F	Cr
6	.	.	.02	.02	0	0	Hidden	0	KS 3 NE	s 10 NE	Cr	Cr	Cy
7	.	.01	.	.01	0	Hidden	0	0	s 10 N	s 5	Cr	Cy	F
8	.	.	1.28	1.28	0	Hidden	Hidden	0	s 10 NE	s 10	Cr	Cy	Cy
9	.	.02	.07	.09	0	Hidden	CK 4 N	KS 6	s 10 W	0	F	Cy	F
10	.	.	.03	.03	0	0	0	0	K 5 W	KS 9 SW	Cr	F	Cy
11	.11	.01	.54	.66	c 2 W	Hidden	0	0	N 10 W	KS 8 NW	Cr	LR	Cy
12	.	.	.	.	c 3 SW	Hidden	0	0	s 10 NE	L. Fog N	Cr	Cy	Cr
13	.	.03	.01	.04	cs 4 W	Hidden	0	0	N 10 NE	0	F	LR	Cr
14	.	.33	.42	.75	0	Hidden	Hidden	L. Fog sw	N 10 SE	s 10 W	Cr	LR	Cy
15	.21	.09	.39	.69	Hidden	Hidden	Hidden	D. Fog w	s 10 SE	s 10 SW	Fy	Cy	Cy
16	.19	.45	.66	1.30	Hidden	Hidden	Hidden	s 10 SW	N 10 E	D. Fog NW	Cy	LR	Fy
17	.02	.	.11	.13	Hidden	0	0	D. Fog sw	s 5 SW	s 8 W	Fy	F	Cy
18	.04	.	T	.04	0	0	Hidden	KS 3 W	s 6 W	s 10 W	Cr	F	Cy
19	.	.	.02	.02	Hidden	Hidden	0	s 10	s 10 W	s 6 NW	Cy	Cy	F
20	.	.	.	.	0	cs 4	0	0	K 6	KS 3 W	Cr	Cy	Cr
21	.	.	T	T	0	0	0	0	KS 6 NW	K 4	Cr	F	F
22	.02	.02	.	.04	0	0	0	0	s 8 W	0	Cr	Cy	Cr
23	.	.	.	.	0	0	0	0	KS 4 E	s 1	Cr	F	Cr
24	.	T	T	T	0	Hidden	0	0	N 10 W	s 2	Cr	LS	Cr
25	.01	.	T	.01	0	0	0	0	KS 6 W	KS 3	Cr	F	Cr
26	.	.	T	T	0	Hidden	0	0	s 10 SE	s 3	Cr	Cy	Cr
27	.	.02	.01	.03	0	Hidden	0	0	s 10 SW	0	Cr	Cy	Cr
28	.	.	.	.	0	0	0	0	K 6 W	0	Cr	F	Cr
29	.	.	.03	.03	0	Hidden	Hidden	0	s 10 SW	s 10 SW	Cr	Cy	Cy
30	.39	.29	.15	.83	Hidden	Hidden	0	N 10 SE	D. Fog sw	s 9 NW	LS	Fy	Cy
31	.	.	.32	.32	0	CS 7 NE	0	0	0	s 3	Cr	F	Cr
Total.	1.01	1.29	4.22	6.52									

REMARKS.

July 15. { Hail, B. 12.08 P.M.; E. 12.53 P.M.
 { Rain, B. 1.10 P.M.; E. 4.37 P.M.
 { " B. D. N.; E. D. N.
 16. { " B. 9.10 A.M.; E. 1.15 P.M.
 { Snow, B. 1.15 P.M.; E. 7.35 P.M.
 17. { Snow, B. D. N.; E. D. N.
 { Hail, B. 5.45 P.M.; E. 6.03 P.M.
 18. Snow, B. D. N.; E. D. N.

July 18. Hail, B. 6.03 P.M.; E. 6.06 P.M.
 19. " B. 2.08 P.M.; E. 2.19 P.M.
 21. Snow, B. 7.31 P.M.; E. 7.32 P.M.
 22. { Rain, B. D. N.; E. D. N.
 { Hail, B. 12.00 M.; E. 12.10 P.M.
 24. Snow, B. 12.55 P.M.; E. 1.03 P.M.
 25. { Rain, B. D. N.; E. D. N.
 { Hail, B. 4.06 P.M.; E. 4.08 P.M.

July 26. Hail, B. 1.15 P.M.; E. 1.20 P.M.
 27. " { B. 12.29 P.M.; E. 12.45 P.M.
 { B. 1.11 P.M.; E. 1.19 P.M.
 29. " B. 2.00 P.M.; E. 4.30 P.M.
 30. Snow, { B. D. N.; E. 10.15 A.M.
 { B. 1.15 P.M.; E. 4.10 P.M.
 31. Hail, B. 4.56 P.M.; E. 6.15 P.M.

AUGUST, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.				Movement. 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Direction and Velocity in Miles per Hour.				
														A.M. 5.00	P.M. 1.00	P.M. 8.00		
1	1.08	1.09	1.09	1.09	37	47	38	41	49	34	69	62	50	NE 7	SE 7	NW 9	172	
2	1.09	1.09	1.08	1.09	36	48	43	42	52	35	82	41	48	NW 18	SW 12	SW 12	309	
3	1.04	1.11	1.12	1.09	36	50	44	43	52	36	22	32	52	NW 27	SW 8	S 10	353	
4	1.12	1.12	1.12	1.12	37	50	43	43	53	37	56	35	41	SW 4	SW 11	NW 6	250	
5	1.11	1.12	1.11	1.11	35	42	35	37	49	33	72	100	91	NW 5	SW 24	NW 15	229	
6	1.12	1.11	1.10	1.11	34	44	42	40	51	34	53	23	47	NW 7	N 8	SW 11	232	
7	1.01	1.03	1.04	1.03	36	54	46	45	55	36	47	32	45	SW 33	SW 18	SW 10	456	
8	1.05	1.10	1.11	1.09	40	51	45	45	56	39	55	53	50	SW 27	W 12	SE 18	525	
9	1.10	1.10	1.12	1.10	38	51	45	45	56	38	66	50	67	SW 24	SW 12	W 10	376	
10	1.10	1.11	1.10	1.10	38	46	38	41	50	36	75	78	92	SW 14	E 10	E 11	345	
11	1.04	1.08	1.01	1.03	35	46	37	39	49	35	91	75	82	SW 34	SW 17	SW 40	566	
12	1.05	1.05	1.02	1.04	34	44	37	38	46	33	81	78	87	W 33	N 12	NW 12	435	
13	1.04	1.04	1.06	1.05	35	41	33	36	42	33	95	84	95	SE 6	E 10	NW 7	167	
14	1.04	1.07	1.07	1.06	34	41	35	37	45	33	72	72	86	NW 9	NW 9	SW 18	210	
15	1.05	1.07	1.05	1.06	35	39	37	37	52	35	72	75	82	NW 21	E ?	NW 1	290	
16	1.03	1.04	1.03	1.03	34	40	37	37	44	33	58	63	87	NW 15	NE 10	NE 7	145	
17	1.02	1.06	1.06	1.05	38	44	38	40	50	31	79	67	75	SW 18	NE 12	SE 9	260	
18	1.05	1.10	1.11	1.09	33	44	41	39	54	33	85	73	80	NW 24	N 5	NW 4	322	
19	1.10	1.12	1.09	1.10	37	46	47	43	55	36	52	26	62	NW 8	W 12	S 15	245	
20	1.04	1.02	1.00	1.02	42	47	32	40	51	31	54	40	95	W 24	NE 24	N 6	415	
21	1.05	1.07	1.08	1.07	37	42	38	39	52	32	48	54	87	NE 12	NE 12	SW 12	230	
22	1.07	1.03	1.01	1.04	33	40	31	35	45	31	95	84	100	SW 27	SW 6	N 15	372	
23	.95	.93	.90	.93	31	33	32	32	36	28	90	80	100	SW 15	NW 6	SE 6	317	
24	.82	.85	.83	.83	30	31	29	30	34	27	79	90	100	SW 8	W 7	W 4	253	
25	.78	.92	.97	.89	30	31	29	30	34	25	58	79	78	NW 48	W 7	NW 12	496	
26	.95	1.02	1.01	.99	28	36	32	32	42	26	78	73	75	NW 33	NW 11	SW 21	552	
27	1.00	1.00	.98	.99	32	41	35	36	42	30	75	68	86	SW 24	SW 10	SW 4	206	
28	.93	.90	.81	.88	32	42	27	34	42	27	80	65	89	W 18	SW 16	W 39	479	
29	.78	.88	.95	.87	26	33	33	31	37	22	88	66	71	W 39	NW 21	NW 5	675	
30	.90	.94	.92	.92	30	41	34	35	44	28	90	60	100	W 42	SW 18	SW 24	591	
31	.91	.97	.98	.95	31	40	35	35	43	30	74	55	81	SW 15	SW 7	SW 15	478	
Means	1.01	1.04	1.03	1.03	34.3	42.7	37.0	38.0	47.0	32.2	71	62	77	21	*12	12	10951	

REMARKS.

- | | | |
|--|---|---|
| <p>Aug. 1. Hail, B. 1.45 P.M.; E 5.20 P.M.
 3. Snow, B. 7.52 P.M.; E. D. N.
 5. { Hail, B. D. N.; E. D. N.
 { Snow, B. 12.45 P.M.; E. 1.30 P.M.
 6. Hail, B. D. N.; E. D. N.
 9. { Hail, B. D. N.; E. D. N.
 { Rain, B. 4.35 P.M.; E. 4.40 P.M.
 10. Rain, B. 12.50 P.M.; E. D. N.</p> | <p>Aug. 10. Snow, B. 12.50 P.M.; E. D. N.
 11. Rain, B. 4.05 P.M.; E. 5.00 P.M.
 12. " B. 12.30 P.M.; E. 12.50 P.M.
 { Rain, } B. 1.05 P.M.; E. 2.08 P.M.
 { Sleet, }
 13. { Hail, } B. 3.54 P.M.; E. D. N.
 { Snow, }
 14. Rain, B. 12.39 P.M.; E. 2.00 P.M.</p> | <p>Aug. 14. { Hail, B. 12.39 P.M.; E. 2.00 P.M.
 { Hail, }
 { Rain, } B. 4.00 P.M.; E. 6.30 P.M.
 { Snow, }
 { Rain, B. D. N.; E. D. N.
 { Hail, B. 12.25 P.M.; E. 2.15 P.M.
 { Hail, }
 15. { Snow, } B. 3.00 P.M.; E. 4.00 P.M.</p> |
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* For 30 days.

1889AnHar...22...1P

AUGUST, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
					Upper.			Lower.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00
1	.	.	.44	.44	0	0	0	0	s 8 E	s 1	Cr	Cy	Cr
2	.	.	.	.	Hidden	0	0	s 10 N	K 2	KS 5	Cy	Cr	F
3	.	.	T	T	0	0	Hidden	0	s 7 SW	N 10 s	Cr	F	LS
4	.01	.	.	.01	0	Hidden	Hidden	KS 6 SW	s 10 SW	s 10	F	Cy	Cy
5	.02	T	.01	.03	0	Hidden	Hidden	KS 4	N 10 W	s 10 NW	F	LS	Cy
6	.02	.	.	.02	0	0	0	0	KS 3 NW	L. Haze	Cr	Cr	Cr
7	.	.	.	.	0	0	0	0	KS 4 W	0	Cr	F	Cr
8	.	.	.	.	0	0	Hidden	0	K 1	s 10 s	Cr	Cr	Cy
9	.01	.	.03	.04	cs 4	Hidden	0	0	s 10 W	s 8 W	F	Cy	Cy
10	.	T	.36	.36	0	0	Hidden	0	N 9 W	N 10	Cr	LR	LR
11	.59	.	.04	.63	Hidden	0	0	KS 10 SE	K 9 SW	0	Cy	Cy	Cr
12	.	.08	.	.08	0	Hidden	cs 1 W	0	s 10 W	0	Cr	Cy	Cr
13	.	.	1.06	1.06	0	Hidden	Hidden	0	D.Fog SW	N 10	Cr	Fy	LS
14	T	.02	.08	.10	0	0	Hidden	s 1	N 9 N	s 10 s	Cr	Hl	Cy
15	.02	.04	.06	.12	0	Hidden	ck 9 NW	s 1 NW	N 10 E	0	Cr	Hl	Cy
16	.01	.	.03	.04	0	0	0	KS 1	K 9 NE	K 1 E	Cr	Cy	Cr
17	.06	.	T	.06	Hidden	Hidden	0	D.Fog SW	D. Fog N	K 6	Fy	Fy	F
18	.	.	T	T	0	0	0	K 1	K 8	s 1	Cr	Cy	Cr
19	.	.	.	.	0	c 6	0	K 1	K 1	K 4	Cr	F	F
20	.	.	.01	.01	ck 4	Hidden	Hidden	K 6	K 10	s 10	Cy	Cy	Cy
21	.	.	.01	.01	0	0	Hidden	K 2 NE	K 9	D.Fog SW	Cr	Cy	Fy
22	.	.09	.08	.17	Hidden	Hidden	Hidden	D.Fog SW	s 10 W	s 10	Fy	Cy	Cy
23	.11	.01	.05	.17	Hidden	0	Hidden	s 10 SW	s 9 W	s 10 s	Cy	Cy	Cy
24	.04	.	.07	.11	Hidden	0	Hidden	D.Fog SW	{K 2 s 7 NW	N 10 W	Fy	Cy	LS
25	.33	.	.	.33	0	0	0	s 2	s 6 W	KS 1	Cr	F	Cr
26	.	.	T	T	0	0	0	0	KS 4	KS 5 W	Cr	F	F
27	.	.	.	.	0	Hidden	Hidden	0	s 10 SW	s 10	Cr	Cy	Cy
28	.	.	.02	.02	cs 8	CS 3 SW	0	0	0	0	Cy	Cr	Cr
29	.	.	.	.	0	0	0	L. Fog W	KS 2 W	0	Cr	Cr	Cr
30	.	.	.03	.03	0	CS 4 W	Hidden	0	0	D.Fog SW	Cr	F	Fy
31	.	.	.	.	0	c 1 W	0	0	K 1	0	Cr	Cr	Cr
Total	1.22	.24	2.38	3.84									

REMARKS.

Aug. 15. Rain, B. 3.00 P.M.; E. 4.00 P.M.

16. { Hail, B. D. N.; E. D. N.
Hail, B. 5.10 P.M.; E. 5.25 P.M.

17. { Hail, B. 7.00 P.M.; E. 7.30 P.M.
Rain, B. D. N.; E. D. N.

17. { " B. 4.50 P.M.; E. 5.00 P.M.

Aug. 17. Snow, B. 6.22 P.M.; E. 6.50 P.M.

18. Hail, B. 2.45 P.M.; E. 2.55 P.M.

20. { Sleet, B. 4.40 P.M.; E. 7.30 P.M.
Rain, B. 4.40 P.M.; E. 7.30 P.M.

21. Hail, B. 2.45 P.M.; E. 4.48 P.M.

22. { Hail, B. 12.45 P.M.; E. 12.58 P.M.
Snow, B. 1.32 P.M.; E. 6.10 P.M.

23. Snow, B. D. N.; E. D. N.

Aug. 23. { Hail, B. 9.15 A.M.; E. 9.20 A.M.
Snow, B. 3.10 P.M.; E. 5.30 P.M.

24. { Snow, B. D. N.; E. D. N.
" B. 3.10 P.M.; E. D. N.

26. Hail, B. 3.23 P.M.; E. 3.29 P.M.

28. Snow, B. 3.35 P.M.; E. 4.05 P.M.

30. Sleet, B. 5.45 P.M.; E. 6.20 P.M.

SEPTEMBER, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17 00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.						Movement. 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00				
	1	.96	1.00	1.00	.99	31	44	37	37	45	30	79	63	78	w 30	s 8	s 15	403		
2	.97	1.01	1.01	1.00	29	41	35	35	46	29	57	46	95	sw 36	sw 12	sw 24	448			
3	.99	.97	.93	.96	32	42	36	37	44	30	70	54	86	0	sw 18	sw 33	368			
4	.94	.98	1.02	.98	33	45	39	39	47	30	80	37	58	sw 42	sw 12	sw 15	550			
5	1.04	1.09	1.11	1.08	33	43	40	39	49	33	76	48	59	w 33	e 8	sw 15	422			
6	1.12	1.14	1.14	1.13	39	42	38	40	45	37	67	58	75	sw 10	ne 8	ne 12	251			
7	1.11	1.07	1.03	1.07	37	45	38	40	48	35	91	71	96	sw 27	s 24	sw 24	493			
8	.98	.98	1.00	.99	34	43	38	38	48	34	90	70	75	w 27	w 24	w 21	610			
9	1.01	1.04	1.04	1.03	34	40	33	36	44	33	81	76	80	w 8	sw 15	s 21	279			
10	1.01	1.06	1.08	1.05	32	39	35	35	46	31	65	58	72	w 36	nw 4	sw 18	534			
11	1.03	.96	.85	.95	33	38	36	36	41	30	71	75	100	w 33	sw 15	sw 39	625			
12	.83	.80	.92	.85	32	30	27	30	36	27	100	100	77	w 30	w 39	se 8	634			
13	.94	.97	1.02	.98	23	34	30	29	35	20	87	40	73	w 39	w 24	w 8	701			
14	1.04	1.07	1.11	1.07	27	35	29	30	38	27	77	54	78	w 36	e 6	e 1	342			
15	1.11	1.11	1.11	1.11	30	37	30	32	40	27	73	74	84	e 21	sw 18	sw 1	356			
16	1.04	1.03	1.02	1.03	28	36	32	32	39	27	83	82	75	w 27	nw 6	se 3	294			
17	.99	1.03	1.06	1.03	30	34	34	33	38	30	84	86	85	ne 12	se 14	se 10	208			
18	1.12	1.07	.92	1.04	28	41	30	33	42	27	89	49	90	s 16	s 16	sw 26	435			
19	.99	1.05	1.04	1.03	30	42	36	36	42	28	68	54	77	w 48	w 6	sw 20	556			
20	1.06	1.08	1.08	1.07	32	42	35	36	48	32	80	77	91	sw 9	s 6	s 14	235			
21	1.03	1.08	1.09	1.07	34	43	34	37	50	33	90	74	85	w 40	w 12	nw 18	535			
22	1.09	1.11	1.09	1.10	32	42	37	37	42	31	56	81	91	w 8	se 12	w 18	205			
23	1.04	1.04	1.04	1.04	32	41	34	36	51	33	95	62	85	sw 27	w 20	w 19	568			
24	.99	1.01	1.01	1.00	32	39	34	35	47	30	74	67	90	nw 24	w 12	sw 6	366			
25	.93	.92	.94	.93	28	30	28	29	35	28	89	84	100	w 24	nw 13	ne 11	355			
26	.97	.98	.97	.97	21	27	22	23	28	21	100	100	86	n 10	n 9	se 12	259			
27	.90	.92	.94	.92	16	20	20	19	22	15	77	91	86	n 11	n 21	n 24	415			
28	.92	.96	.98	.95	20	26	25	24	27	17	79	86	88	n 27	ne 18	ne 21	549			
29	.94	.98	.99	.97	25	33	32	30	36	23	88	80	80	ne 30	ne 8	n 15	448			
30	.95	.98	.99	.97	27	34	31	31	35	23	83	81	95	n 24	ne 12	n 12	448			
Means	1.00	1.02	1.02	1.01	29.8	37.6	32.8	33.4	41.2	28.4	80	69	83	25	14	16	12892			

REMARKS.

Sept. 6. Hail, B. 12.32 P.M.; E. 12.40 P.M.
 7. Rain, B. 5.05 P.M.; E. 6.45 P.M.
 8. " B. D. N.; E. D. N.
 9. " B. 3.25 P.M.; E. 3.45 P.M.

Sept. 11. Rain, B. 3.35 P.M.; E. 7.20 P.M.
 12. " B. D. N.; E. D. N.
 16. Hail, B. 3.05 P.M.; E. 3.28 P.M.
 20. Rain, B. 2.20 P.M.; E. 7.00 P.M.

1889AnHar...22...1P

SEPTEMBER, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	0	0	0	0	s 8 sw	0	Cr	Cy	Cr
2	0	0	0	0	K 4	s 7 sw	Cr	F	F
3	0	0	0	KS 5	KS 6 sw	L. Fog s	F	F	Cr
4	0	0	0	L. Haze	KS 2	0	Cr	Cr	Cr
5	0	CS 8 N	0	0	0	0	Cr	Cy	Cr
6	.	T	.	T	CS 9	Hidden	Hidden	0	s 10 N	s 10	Cy	Cy	Cy
7	.	.	.36	.36	CS 4 w	Hidden	Hidden	L.Fogsw	s 10 sw	s 10 s	F	Cy	Cy
8	.12	.	.	.12	Hidden	Hidden	CS 8	s 10 w	s 10 w	0	Cy	Cy	Cy
9	.	.	.04	.04	Hidden	Hidden	Hidden	s 10	s 10 sw	s 10 sw	Cy	Cy	Cy
10	CS 6 w	0	0	L. Haze	0	0	F	Cr	Cr
11	.	.	.19	.19	CS 8 w	Hidden	Hidden	0	s 10 w	s 10 w	Cy	Cy	Cy
12	.38	.	.	.38	Hidden	Hidden	0	D. Fog w	D. Fogsw	0	Fy	Fy	Cr
13	0	0	0	L. Haze	0	0	Cr	Cr	Cr
14	0	0	0	0	0	0	Cr	Cr	Cr
15	0	0	0	0	KS 8 sw	s 5 sw	Cr	Cy	F
16	.	.	.02	.02	0	0	0	0	KS 8 w	s 2	Cr	Cy	Cr
17	0	CK 3 sw	0	KS 9	0	s 2	Cy	Cr	Cr
18	0	0	0	K 7 sw	K 1 w	K 2	F	Cr	Cr
19	CK 2 sw	0	0	0	K 7 sw	s 2	Cr	F	Cr
20	.	.	.16	.16	CK 5	c 3	Hidden	0	K 4 sw	s 10	F	F	Cy
21	.	.	.30	.30	0	0	0	s 1	K 8 w	0	Cr	Cy	Cr
22	0	0	Hidden	0	K 9 sw	s 10	Cr	Cy	Cy
23	.	.	.06	.06	0	0	CS 9 w	K 1	K 2 w	0	Cr	Cr	Cy
24	.	.	.02	.02	0	0	Hidden	s 1	K 9 sw	s 10 sw	Cr	Cy	Cy
25	*T	.01	.04	.05	Hidden	Hidden	Hidden	s 10 sw	s 10 w	D.Fog N	Cy	Cy	Fy
26	*T	.01	.09	.10	Hidden	Hidden	Hidden	D.FogNW	N 10 NW	s 10 NE	Fy	LS	Cy
27	CS 7 NW	0	0	0	s 4 NW	0	F	F	Cr
28	0	0	0	0	s 7 N	0	Cr	F	Cr
29	0	CS 6 N	0	0	0	0	Cr	F	Cr
30	0	0	0	0	KS 6 N	s 4	Cr	F	F
Total.	.50	.02	1.28	1.80									

REMARKS.

Sept. 21. { Rain, } B. 1.35 P.M.; E. 5.45 P.M.
 { Sleet, }
 23. { Sleet, } B. 3.15 P.M.; E. 4.20 P.M.
 { Rain, }

Sept. 24. Hail, B. 4.15 P.M.; E. 4.35 P.M.
 25. { Snow, B. 12.15 P.M.; E. 12.25 P.M.
 { Hail, B. 2.37 P.M.; E. 2.50 P.M.
 26. Snow, B. 12.30 P.M.; E. 4.55 P.M.

* Frost.

OCTOBER, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.						Movement. 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00				
	1	.96	.95	.91	.94	31	39	36	35	41	30	84	83	82	N 8	NW 8	W 30	365		
2	.89	.94	.99	.94	28	39	35	34	43	28	72	75	81	W 24	W 21	W 30	710			
3	1.02	1.06	1.10	1.06	30	36	33	33	42	29	84	82	76	W 24	NW 9	NW 12	407			
4	1.09	1.08	1.02	1.06	31	39	36	35	44	30	79	83	82	W 12	W 1	SW 18	340			
5	.92	.91	.90	.91	30	39	35	35	42	29	79	71	91	NW 39	W 15	NW 15	590			
6	.75	.65	.58	.66	32	39	33	35	44	30	85	75	85	SW 33	S 36	SW 36	702			
7	.56	.56	.60	.57	24	34	28	29	35	24	81	90	100	SW 18	S 30	S 15	577			
8	.69	.72	.79	.73	26	30	25	27	32	25	100	95	100	SE 5	SE 18	SW 12	291			
9	.83	.85	.89	.86	28	36	31	32	38	25	89	86	79	SW 8	SW 4	W 12	226			
10	.95	1.00	1.05	1.00	23	29	27	26	31	23	100	73	83	W 12	NW 18	N 12	412			
11	1.05	1.02	1.02	1.03	28	33	28	30	33	26	89	71	72	NW 12	N 8	N 15	372			
12	.98	.95	.95	.96	28	38	28	31	40	28	83	79	89	N 18	SW 10	SW 13	277			
13	.97	.95	.97	.96	27	35	27	30	37	26	83	91	77	SW 12	SW 9	SW 10	292			
14	.90	.84	.74	.83	25	32	24	27	33	24	94	90	94	SW 15	SW 17	SW 18	416			
15	.63	.71	.74	.69	11	24	19	18	34	5	69	100	100	NW 23	W 8	NW 9	339			
16	.75	.76	.78	.76	17	22	18	19	23	12	78	93	82	W 18	SW 15	W 24	453			
17	.76	.77	.82	.78	15	20	16	17	23	14	90	77	92	W 12	W 10	S 4	241			
18	.81	.80	.74	.78	17	15	16	16	21	10	78	87	49	W 12	W 24	NW 36	590			
19	.68	.70	.69	.69	21	20	12	18	24	10	45	72	94	NW 36	NW 4	NW 18	575			
20	.70	.81	.87	.79	5	14	14	11	17	4	66	69	69	NW 48	NW 30	W 36	901			
21	.84	.82	.77	.81	18	25	18	20	26	8	57	63	76	NW 42	NW 33	NW 15	797			
22	.61	.56	.55	.57	14	26	18	19	26	14	76	65	73	W 45	W 39	W 24	992			
23	.49	.57	.59	.55	13	20	12	15	23	11	75	66	85	W 45	SW 28	SW 40	937			
24	.58	.63	.67	.63	8	19	14	14	24	7	61	68	62	W 54	W 36	W 36	1060			
25	.60	.68	.71	.66	8	14	7	10	26	7	79	55	100	W 54	NW 20	N 12	814			
26	.68	.76	.78	.74	2	12	9	8	14	0	95	56	92	W 14	NW 14	NW 36	488			
27	.84	.92	.97	.91	13	21	19	18	22	4	78	59	68	N 20	N 12	NW 17	419			
28	1.03	1.06	1.08	1.06	19	28	21	23	30	8	56	50	79	N 14	W 12	N 12	290			
29	1.07	1.09	1.10	1.09	16	24	23	21	26	12	87	56	61	N 20	NE 12	NE 17	375			
30	1.08	1.11	1.10	1.10	22	32	28	27	34	18	80	42	50	NE 17	W 8	N 7	250			
31	1.09	1.08	1.07	1.08	23	34	30	29	36	23	30	35	13	SE 6	S 6	E 11	164			
Means	.83	.85	.86	.85	20.4	28.0	23.2	23.9	31.1	17.6	78	73	79	23	17	19	15662			

REMARKS.

Oct. 7. Snow, B. 6.56 P.M.; E. D. N.
14. " B. D. N.; E. D. N.

Oct. 14. Snow, B. 6.13 P.M.; E. D. N.
15. " B. 11.45 A.M.; E. 1.30 P.M.

1889AnHar...22...1P

OCTOBER, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather		
					Upper.			Lower.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00
1	.	.	.	.	CS 3	CS 6 W	0	0	0	s 1	Cr	F	Cr
2	.	.	.	.	0	0	0	0	KS 4 W	0	Cr	F	Cr
3	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
4	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	0	0	0	0	0	KS 4	Cr	Cr	F
6	.	.	.	.	CS 8	CS 9 SW	0	0	0	s 2	Cy	Cy	Cr
7	.	.	.03	.03	0	0	Hidden	0	KS 7 s	{ ^N 10 D. Fog s	Cr	F	LS
8	.08	.	.	.08	Hidden	0	0	D. Fog s	L. Fog s	D. Haze	Fy	Cr	Cr
9	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
10	.	.	.	.	Hidden	0	0	D. Fog w	s 2 SW	0	Fy	Cr	Cr
11	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
12	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
13	.	.	.	.	CS 3	0	Hidden	0	KS 8 s	s 10 SW	Cr	Cy	Cy
14	.02	.	.02	.04	0	0	Hidden	s 5 SW	KS 6 SW	N 10	F	F	LS
15	.03	.01	.09	.13	Hidden	Hidden	Hidden	D. Fog NW	{ ^N 10 L. Haze	{ ^N 10 D. Fog NW	Fy	LS	LS
16	.01	.	.	.01	Hidden	CS 8 SW	0	D. Fog w	L. Fogsw	s 7 w	Fy	Cy	F
17	.	T	.12	.12	0	0	Hidden	KS 4 W	N 8 W	{ ^N 10 D. Fog	F	LS	LS
18	.04	T	.	.04	Hidden	0	0	{ ^N 10 L. Fog w	K 2 W	0	LS	Cr	Cr
19	.	.	.	.	0	0	Hidden	s 1 NW	KS 8 NW	D. Fog NW	Cr	Cy	Fy
20	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
21	.	.	.	.	0	CK 1 NW	0	0	0	0	Cr	Cr	Cr
22	.	.	.	.	0	CK 4 W	0	0	0	0	Cr	F	Cr
23	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
24	.	.	.	.	0	C 2 W	0	s 1 W	0	0	Cr	Cr	Cr
25	.	.	.	.	0	C 5 NW	0	s 7 W	KS 3 NW	KS 4 N	F	Cy	F
26	T	.	.	T	0	C 1 NW	CS 4 NW	0	0	0	Cr	Cr	F
27	.	.	.	.	0	C 1	C 2 NW	0	0	0	Cr	Cr	Cr
28	.	.	.	.	CS 3	CS 6 W	CS 2 N	0	K 2 W	0	Cr	Cy	Cr
29	.	.	.	.	CS 5 N	CS 7	CS 5 NE	0	0	0	F	F	F
30	.	.	.	.	0	0	0	s 4 NE	s 1	0	F	Cr	Cr
31	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
Total.	.18	.01	.26	.45									

REMARKS.

Oct. 15. Snow, B. 4.35 P.M.; E. D. N.

17. " B. 12.40 P.M.; E. 6.30 A.M. of 18th.

Oct. 26. Snow, B. D. N.; E. D. N.

NOVEMBER, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	
	1	1.05	1.03	1.03	1.04	26	35	28	30	36	26	24	16	34	SW 20	s 10		SW 14	365
2	1.02	1.00	.97	1.00	25	33	26	28	34	24	34	34	47	W 15	s 11	SW 16	328
3	.93	.92	.93	.93	23	28	19	23	31	19	17	72	71	W 14	W 12	NW 18	311
4	.94	.97	.96	.96	19	27	24	23	29	17	42	5	21	NW 22	W 10	W 21	366
5	.93	.90	.86	.90	24	28	26	26	31	20	. . .	. . .	30	NW 4	0	N 15	238
6	.79	.78	.80	.79	21	27	21	23	29	21	6	77	52	W 36	W 12	NW 8	472
7	.79	.74	.72	.75	17	23	18	19	26	17	69	61	73	SW 13	SW 21	SW 16	375
8	.71	.74	.79	.75	12	17	12	14	22	10	85	97	37	N 20	N 1	NE 12	339
9	.81	.86	.92	.86	9	15	18	14	25	8	71	87	34	N 14	N 12	W 19	370
10	.95	.95	.97	.96	24	27	22	24	29	15	26	54	67	N 11	NW 1	s 6	198
11	.95	.94	.93	.94	21	28	24	24	30	18	52	61	44	W 4	SW 18	NW 12	257
12	.88	.84	.85	.86	25	26	22	24	28	22	88	47	73	NW 16	N 8	NW 12	356
13	.87	.85	.86	.86	18	22	17	19	26	17	55	34	51	N 12	NW 24	NW 16	483
14	.86	.90	.94	.90	20	26	26	24	29	17	55	53	24	NE 22	NW 14	NE 12	370
15	.90	.78	.71	.80	24	32	21	26	32	21	26	22	73	W 24	W 42	W 45	696
16	.72	.70	.70	.71	14	26	16	19	27	14	69	47	84	SW 36	W 21	W 42	688
17	.70	.69	.71	.70	10	15	8	11	16	8	72	100	100	W 24	W 13	W 15	526
18	.60	.66	.72	.66	8	15	17	13	17	7	57	28	78	NW 54	NW 24	NW 24	1017
19	.74	.74	.78	.75	14	19	18	17	25	14	62	69	79	N 27	N 33	NE 30	878
20	.80	.76	.76	.77	24	27	23	25	28	18	50	32	74	N 27	W 42	NW 8	639
21	.67	.54	.48	.56	18	25	26	23	27	16	64	38	18	NW 15	W 66	W 60	932
22	.59	.58	.60	.59	15	19	19	18	29	15	100	88	91	W 25	SW 28	s 12	717
23	.59	.54	.58	.57	16	19	15	17	27	13	97	100	100	s 6	SW 28	NW 12	393
24	.55	.55	.51	.54	17	17	16	17	22	14	97	100	94	NW 12	SW 8	s 4	257
25	.41	.34	.39	.38	12	14	12	13	24	11	100	93	93	W 12	W 24	W 8	296
26	.27	.28	.40	.32	1	- 8	-12	- 6	19	-12	94	92	100	SW 14	W 54	W 45	762
27	.40	.58	.71	.56	-11	1	5	- 2	8	-14	56	94	86	NW 60	NW 54	N 28	1299
28	.78	.78	.78	.78	14	19	17	17	20	-13	38	28	51	NW 17	W 32	W 31	643
29	.76	.72	.74	.74	16	17	13	15	26	13	52	94	36	W 24	W 33	SW 25	641
30	.63	.66	.60	.63	10	14	11	12	24	7	56	80	100	W 66	s 30	SW 15	857
Means	.75	.74	.76	.75	16.2	21.1	17.6	18.3	25.9	12.8	*59	*62	64	22	23	20	16069

REMARKS.

Nov. 8. Snow, B. 11.17 A.M.; E. 2.00 P.M.
 17. " B. 12.30 P.M.; E. 7.05 P.M.
 18. " B. D. N.; E. D. N.

Nov. 22. Snow, { B. 9.55 A.M.; E. 10.15 A.M.
 { B. 1.30 P.M.; E. D. N.
 23. " B. 8.00 A.M.; E. 3.15 P.M.

* For 29 days.

1889AnHar...22...1P

NOVEMBER, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00			
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00						
1	0	0	0	0	0	0	Cr	Cr	Cr			
2	0	0	0	0	0	0	Cr	Cr	Cr			
3	c 3	w c 5	NW	0	0	s 1	w	0	Cr	F	Cr	
4	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
5	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
6	c 5	w c 5	w	0	0	s 3	w s 2	0	F	Cy	Cr	
7	ck 3	sw c 2	0	0	0	ks 4	sw ks 3	sw	0	Cr	F	Cr
8	.	T	.03	.03	c 3	Hidden	0	0	ks 5	{ N 10 L. Fog	0	0	Cy	LS	Cr	
9	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
10	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
11	cs 2	cs 2	0	0	0	0	0	0	Cr	Cr	Cr	
12	0	c 4	w	0	0	ks 4	N s 4	0	Cr	Cy	F	
13	0	cs 4	NW	0	0	s 9	N	0	Cy	F	Cr	
14	0	0	0	0	0	s 3	0	0	Cr	Cr	Cr	
15	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
16	0	0	0	0	0	0	0	0	Cr	Cr	Cr	
17	.	T	.13	.13	cs 8	0	Hidden	0	0	N 9	w s 10	0	Cy	LS	Cy	
18	.01	.	.	.01	0	0	0	0	0	s 7	NW ks 9	w s 6	N	F	Cy	F
19	cs 4	NW c 4	0	0	0	s 2	N s 1	0	F	F	Cr	
20	cs 4	c 2	0	0	0	0	0	0	F	Cr	Cr	
21	0	c 2	w	0	0	0	0	ks 4	w	Cr	Cr	F
22	.	T	.07	.07	0	Hidden	Hidden	0	0	s 4	w D.Fog sw { N 10	s	0	F	Fy	LS
23	.04	.10	.02	.16	Hidden	Hidden	Hidden	0	0	D.Fog s { N 10	D.Fog sw	D.Fog NW	0	Fy	LS	Fy
24	.06	.	.19	.25	Hidden	Hidden	Hidden	0	0	D.Fog NW	D.Fog { N 10	{ D.Fog	0	Fy	Fy	HS
25	.25	.	T	.25	Hidden	Hidden	Hidden	0	0	D.Fog w	D.Fog w { N 10	{ D.Fog	0	Fy	Fy	LS
26	T	.	.	T	0	0	0	0	0	L.Fog sw	0	0	0	Cr	Cr	Cr
27	0	c 3	NW cs 4	N	0	0	0	0	0	Cr	Cr	F
28	c 3	0	0	0	0	s 4	NW ks 9	w	0	F	Cy	Cr
29	0	0	0	0	0	0	0	s 7	sw	Cr	Cr	F
30	.	.	T	T	0	ck 4	sw	Hidden	0	0	0	N 10	sw	Cr	F	LS
Total	.36	.10	.44	.90												

REMARKS.

Nov. 24. Snow, { B. D.N.; E. D.N.
 { B. 1.50 P.M.; E. D.N.

Nov. 25. Snow, B. 6.15 P.M.; E. D.N.
30. " B. 7.50 P.M.; E. D.N.

DECEMBER, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.	
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00		P.M. 8.00
	1	.50	.48	.47	.48	3	6	4	4	7	2	95	95	100	NW 14	SW 15	W 14	369
2	.38	.30	.24	.31	5	6	9	7	19	0	76	88	63	W 42	SW 40	W 27	838
3	.26	.34	.47	.36	-4	-1	-8	-4	9	-8	100	100	92	NW 24	N 12	NW 10	428
4	.61	.68	.64	.64	-1	4	10	4	16	-9	27	60	18	N 12	W 16	W 34	424
5	.69	.66	.62	.66	13	14	8	12	18	7	50	51	53	W 18	SW 12	W 8	354
6	.61	.62	.67	.63	5	4	10	6	14	4	43	50	32	NW 6	NW 2	NE 12	174
7	.68	.76	.81	.75	13	17	21	17	22	10	80	84	86	NE 16	N 13	N 13	332
8	.75	.71	.66	.71	19	23	10	17	25	10	49	87	100	W 22	S 7	NE 8	280
9	.69	.69	.61	.66	12	19	13	15	20	8	85	42	64	N 3	NW 9	W 18	230
10	.56	.59	.66	.60	-1	3	-3	0	20	-3	94	100	100	NW 15	NE 7	N 6	252
11	.69	.75	.76	.73	-4	11	11	6	13	-6	86	28	28	N 9	NE 12	NW 18	255
12	.71	.64	.62	.66	15	17	13	15	20	10	65	72	86	NW 21	NW 12	W 4	388
13	.50	.50	.62	.54	7	-4	-11	-3	20	-11	95	100	100	SW 6	NW 6	N 7	149
14	.66	.68	.72	.69	-4	5	2	1	8	-12	86	30	63	N 2	NE 12	NE 14	200
15	.76	.76	.74	.75	9	16	15	13	20	3	51	47	32	NE 2	NE 9	NE 2	126
16	.70	.67	.69	.69	10	14	13	12	17	9	73	69	32	NE 1	NE 8	NE 6	117
17	.68	.62	.60	.63	10	12	11	11	17	7	64	81	77	N 12	NW 30	NW 31	491
18	.51	.48	.38	.46	8	9	2	6	14	2	96	71	100	N 21	NW 6	W 10	336
19	.26	.32	.35	.31	-11	-10	-13	-11	10	-15	91	100	100	N 12	N 8	N 3	152
20	.24	.18	.19	.20	-25	-25	-36	-29	-13	-36	100	64	40	NW 8	NW 2	NW 1	82
21	.38	.36	.42	.39	-32	-17	-6	-18	-3	-39	..	56	81	N 1	NE 6	NE 16	187
22	.44	.48	.52	.48	-8	-1	8	0	8	-12	75	94	100	NE 4	NE 18	NE 18	330
23	.53	.56	.53	.54	1	5	5	4	11	1	100	84	86	NE 8	NE 11	NE 20	311
24	.45	.39	.35	.40	1	1	-2	0	5	-2	94	77	100	NE 18	NW 25	NW 24	607
25	.28	.29	.30	.29	-9	-9	-4	-7	-2	-10	40	31	31	NW 24	NW 30	NW 68	888
26	.18	.26	.20	.21	4	8	6	6	11	-4	100	100	100	W 11	W 9	W 24	523
27	.19	.28	.35	.27	-9	-9	-15	-11	6	-15	100	91	89	W 6	NW 19	NW 26	390
28	.49	.57	.56	.54	-3	-1	5	0	5	-16	67	63	76	W 45	W 63	W 66	1420
29	.58	.56	.42	.52	9	13	10	11	16	5	83	68	100	W 36	W 18	W 12	682
30	.27	.03	.08	.13	5	12	-8	3	16	-8	100	100	100	W 4	W 18	NW 14	275
31	.07	.12	.18	.12	-15	-16	-20	-17	-8	-20	66	41	42	NW 22	NW 18	NW 36	541
Means	.49	.50	.50	.50	0.7	4.1	1.9	2.2	11.6	-4.8	*78	72	73	14	15	18	12131

REMARKS.

Dec. 1. Snow, B. 3.20 P.M.; E. 5.15 P.M.
 2. " B. 10.50 A.M.; E. 12.00 M.
 3. " B. 11.15 A.M.; E. 1.20 P.M.

Dec. 9. Snow, B. D.N.; E. D.N.
 10. " B. 1.15 P.M.; E. D.N.
 13. " B. D.N. of 12th; E. D.N.

* For 30 days.

1889AnHar...22...1P

DECEMBER, 1887.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
					Upper.			Lower.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00
1	.09	.	.02	.11	ck 7 w	0	Hidden	0	k 2 N	D. Fog	F	Cr	Fy
2	.	.01	.	.01	cs 6 w	Hidden	Hidden	0	s 10 w	D. Fog w	F	Cy	Fy
3	.	.01	T	.01	Hidden	Hidden	0	D. Fog	N 10	0	Fy	LS	Cr
4	.	.	.	.	0	c 3	0	0	0	0	Cr	Cr	Cr
5	.	.	.	.	0	c 6 sw	0	s 4	0	0	F	F	Cr
6	.	.	.	.	0	0	0	s 1	0	0	Cr	Cr	Cr
7	.	.	.	.	0	cs 2	0	s 2	0	0	Cr	Cr	Cr
8	.	.	.	.	0	c 7	Hidden	0	0	D. Fog	Cr	F	Fy
9	.02	.	.	.02	0	c 4 NW	0	s 2	0	s 1	Cr	F	Cr
10	.	.	.03	.03	0	Hidden	0	0	D.FogNE	N 8	Cr	Fy	LS
11	.01	.	.	.01	0	cs 1 NE	0	0	0	0	Cr	Cr	Cr
12	.	.	.	.	0	c 4 sw	0	s 3	0	s 8	Cr	F	Cy
13	T	.10	.08	.18	Hidden	Hidden	Hidden	N 10	N 10	N 10	LS	LS	HS
14	.01	.	.	.01	0	0	0	0	0	0	Cr	Cr	Cr
15	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
16	.	.	.	.	0	c 7 w	0	0	0	0	Cr	F	Cr
17	.	.	.	.	0	0	0	0	s 8 NW	s 7 NW	Cr	Cy	F
18	.	.	.08	.08	0	0	0	s 2	s 6 w	s 6 w	Cr	F	F
19	.	.	T	T	0	Hidden	Hidden	L. Fog	D. Fog	{ D. Fog N 10	Cr	Fy	LS
20	.02	.	.	.02	0	0	0	L. Fog	L. Fog	s 1	Cr	Cr	Cr
21	.	.	.	.	0	0	0	L. Fog N	KS 4 N	0	Cr	F	Cr
22	.	.	.	.	0	Hidden	Hidden	0	s 10 N	D.FogNE	Cr	Cy	Fy
23	*T	.	.	T	Hidden	0	0	D.FogNE	KS 2	0	Fy	Cr	Cr
24	.	.	T	T	0	Hidden	Hidden	KS 6	s 10 N	N 10 NW	F	Cy	LS
25	T	.	.	T	Hidden	c 2	0	s 10 N	KS 4 N	s 2	Cy	F	Cr
26	.03	.	.03	.06	Hidden	Hidden	Hidden	D. Fog w	D.Fog sw	{ D. Fog N 10 L. Fog s 2 N	Fy	Fy	HS
27	.26	.	.	.26	Hidden	Hidden	0	D.FogNW	s 10 NW	{ L. Fog s 2 N	Fy	Cy	Cr
28	.	.	.	.	cs 5	cs 3	0	0	0	0	F	Cr	Cr
29	.	.	.	.	c 6	cs 2 sw	Hidden	0	0	D.Fog w	F	Cr	Fy
30	.02	.17	.05	.24	Hidden	Hidden	Hidden	{ D. Fog sw N 10	{ D. Fog w N 10	s 10 NW	LS	LS	Cy
31	.	.	.	.	0	cs 8 w	0	s 6 NW	0	s 2	F	Cy	Cr
Total.	.46	.29	.29	1.04									

REMARKS.

Dec. 18. Snow, B. 3.30 P.M.; E. 7.40 P.M.
 19. " B. 7.45 P.M.; E. D. N.
 24. " B. 7.28 P.M.; E. D. N.

Dec. 26. Snow, { B. D. N.; E. D. N.
 B. 6.20 P.M.; E. D. N.
 30. " B. D. N.; E. 2.50 P.M.

* Frost.

JANUARY, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
														Direction and Velocity in Miles per Hour.			Move- ment. 24 Hours.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.23	.28	.28	.26	-17	-9	-5	-10	-3	-20	38	31	35	NW 42	NW 48	NW 63	1133		
2	.34	.41	.46	.40	-6	2	9	2	11	-9	70	57	75	W 72	W 60	W 68	1484		
3	.32	.30	.32	.31	10	14	12	12	14	7	92	96	85	W 66	W 11	W 24	990		
4	.39	.41	.34	.38	11	10	11	11	16	10	92	84	92	sw 23	sw 6	sw 27	570		
5	.32	.27	.32	.30	9	15	-4	7	15	-4	100	70	52	sw 12	sw 56	W 36	591		
6	.25	.18	.25	.23	1	-4	-5	-3	4	-5	94	100	100	W 26	W 19	sw 9	426		
7	.22	.22	.28	.24	-8	-11	-10	-10	-5	-16	59	44	64	W 14	W 18	W 20	330		
8	.28	.26	.27	.27	-11	-6	2	-5	2	-14	72	55	62	W 18	W 24	W 33	556		
9	.31	.42	.60	.44	-15	-8	-1	-8	3	-16	44	59	39	W 56	NW 21	N 20	896		
10	.65	.71	.78	.71	7	10	10	9	11	-2	82	45	52	N 28	N 15	N 15	500		
11	.74	.60	.37	.57	8	17	9	11	19	8	70	40	83	W 14	sw 21	W 36	508		
12	.19	.09	.19	.16	-2	-13	-18	-11	9	-18	81	80	48	NW 26	NW 24	W 36	553		
13	.28	.24	.22	.25	-14	-2	-4	-7	-1	-18	68	37	52	W 18	sw 15	W 16	417		
14	.11	.16	.24	.17	-5	-4	-6	-5	-4	-6	86	93	100	W 11	sw 5	W 12	255		
15	.34	.40	.45	.40	-14	-5	-4	-8	-2	-15	68	21	59	sw 10	sw 28	sw 30	479		
16	.36	.33	.33	.34	-5	-1	-5	-4	2	-6	64	75	64	sw 43	s 27	sw 23	742		
17	.26	.39	.68	.44	-20	-19	-2	-14	-2	-23	71	45	49	W 45	NW 81	N 42	1277		
18	.75	.72	.68	.72	0	2	3	2	4	-2	65	47	23	NW 42	NW 57	NW 48	1169		
19	.67	.59	.48	.58	10	12	5	9	14	3	9	12	47	NW 12	W 18	W 56	617		
20	.37	.40	.42	.40	2	8	7	6	9	0	51	61	78	W 66	W 48	W 44	1283		
21	.48	.59	.65	.57	4	9	6	6	12	4	100	83	81	W 27	W 18	W 24	642		
22	.66	.63	.70	.66	7	11	9	9	15	5	51	69	38	W 48	W 44	N 40	978		
23	.81	.76	.61	.73	10	15	9	11	16	9	29	43	79	NW 18	sw 32	W 60	677		
24	.56	.49	.63	.56	8	13	7	9	14	8	96	68	47	W 38	W 44	NW 51	944		
25	.67	.81	.92	.80	12	15	15	14	19	6	29	53	70	NW 69	NW 57	s 36	1172		
26	.87	.98	1.00	.95	16	20	17	18	22	13	52	36	44	W 66	W 8	sw 15	641		
27	1.00	.94	.92	.95	18	24	19	20	24	16	45	44	39	W 5	E 7	s 13	219		
28	.88	.84	.83	.85	17	20	16	18	22	14	25	24	12	s 15	SE 1	0	224		
29	.81	.77	.79	.79	19	21	19	20	22	15	24	22	7	sw 23	W 8	W 4	276		
30	.81	.84	.85	.83	20	24	21	22	25	19	9	44	39	W 5	0	NW 11	143		
31	.83	.81	.81	.82	16	24	16	19	24	16	61	53	74	N 15	0	N 11	190		
Means	.51	.51	.54	.52	2.8	6.6	5.1	4.8	10.7	-0.8	61	54	58	31	26	30	20882		

REMARKS.

Jan. 5. Snow, B. D. N.; E. D. N.

Jan. 6. Snow, B. D. N.; E. D. N.

1889AnHar...22...1P

JANUARY, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M.	P.M.	P.M.	Total.	Upper.			Lower.			A.M.	P.M.	P.M.
	5.00	1.00	8.00		A.M.	P.M.	P.M.	A.M.	P.M.	P.M.			
1	c 4	cs 4 w	0	0	0	0	F	F	Cr
2	Hidden	cs 8 w	0	s 10 w	s 2	0	Cy	Cy	Cr
3	Hidden	Hidden	0	s 10 sw	D.Fog sw	0	Cy	Fy	Cr
4	Hidden	cs 8	0	s 10 sw	0	L.Fog sw	Cy	Cy	Cr
5	.15	.	.	.15	Hidden	0	0	D.Fog sw	s 3 sw	0	Fy	Cr	Cr
6	.04	.	.02	.06	Hidden	Hidden	Hidden	D.Fog sw	D.Fog w	n 10	Fy	Fy	LS
7	.02	.	.	.02	0	0	0	L.Fog sw	s 6 w	s 2	Cr	F	Cr
8	0	0	0	0	0	0	Cr	Cr	Cr
9	0	0	0	s 2	0	0	Cr	Cr	Cr
10	0	0	0	0	0	0	Cr	Cr	Cr
11	0	ck 9 sw	0	0	0	s 3	Cr	Cy	Cr
12	0	Hidden	0	s 4	s 10 w	0	F	Cy	Cr
13	0	0	Hidden	0	0	s 10 w	Cr	Cr	Cy
14	.	.	.03	.03	Hidden	Hidden	Hidden	s 10 w	D. Fog	D. Fog w	Cy	Fy	Fy
15	0	0	0	s 3	0	0	Cr	Cr	Cr
16	0	Hidden	0	ks 2	s 10 s	0	Cr	Cy	Cr
17	0	0	0	s 6 w	s 2 NW	0	F	Cr	Cr
18	0	0	0	0	0	0	Cr	Cr	Cr
19	0	Hidden	0	0	ks 10	0	Cr	Cy	Cr
20	0	cs 7	0	ks 8 w	0	k 2	Cy	F	Cr
21	*T	.	.	T	Hidden	0	0	D. Fog w	s 6 w	0	Fy	F	Cr
22	0	c 1	0	0	0	0	Cr	Cr	Cr
23	0	Hidden	0	0	s 10	s 2 w	Cr	Cy	Cr
24	*T	.	.	T	Hidden	Hidden	0	D. Fog w	s 10 w	0	Fy	Cy	Cr
25	0	c 5	0	ks 3	ks 3	ks 4	Cr	Cy	F
26	0	ck 8	cs 1	s 4	0	0	F	Cy	Cr
27	0	0	0	L. Haze	0	0	Cr	Cr	Cr
28	cs 3	cs 4	0	0	0	s 1	Cr	F	Cr
29	0	0	0	s 1	0	0	Cr	Cr	Cr
30	0	0	0	0	0	ks 1	Cr	Cr	Cr
31	0	cs 2	0	0	0	0	Cr	Cr	Cr
Total	.21	.00	.05	.26									

REMARKS.

Jan. 6. Snow, B. 5.32 P.M.; E. D. N. of 6th and 7th.

Jan. 14. Snow, B. 1.55 P.M.; E. 7.20 P.M.

* Frost.

FEBRUARY, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORAD

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
	Direction and Velocity in Miles per Hour.			Movement. 24 Hours.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00				
	A.M. 5.00	P.M. 1.00	P.M. 8.00														Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00
1	.74	.70	.74	.73	12	20	13	15	24	12	89	72	78	S	8	SE	5	SE	11	181
2	.70	.62	.64	.65	11	14	11	12	17	11	85	100	96	N	15	N	15	N	8	296
3	.57	.50	.50	.52	5	9	5	6	18	2	90	83	71	E	4	SE	12	S	10	208
4	.49	.46	.47	.47	1	5	3	3	14	1	100	100	100	W	5	SE	12	SE	17	247
5	.45	.46	.42	.44	-3	-1	-2	-2	5	-3	93	88	81	SW	12	SW	15	SW	36	458
6	.42	.38	.34	.38	-3	-3	-1	-2	5	-5	67	87	75	SW	34	SW	30	SW	56	809
7	.29	.35	.40	.35	-4	1	5	1	5	-4	65	94	81	SW	44	SW	40	SW	36	919
8	.49	.51	.53	.51	14	14	12	13	17	5	34	55	74	W	33	SW	36	SW	36	964
9	.42	.46	.42	.43	7	11	7	8	14	6	86	65	82	S	48	W	22	NW	24	850
10	.35	.38	.40	.38	4	13	-1	5	14	-1	90	96	88	N	21	W	17	NW	30	443
11	.41	.50	.52	.48	1	7	6	5	10	-1	89	95	95	NW	60	NW	42	NW	54	1178
12	.66	.74	.73	.71	12	19	19	17	20	6	74	37	45	NW	42	N	33	W	33	946
13	.56	.62	.69	.62	17	26	12	18	26	12	66	53	96	W	75	W	36	NW	21	1134
14	.74	.81	.85	.80	9	15	11	12	17	8	75	9	34	W	32	W	12	SW	15	532
15	.88	.90	.92	.90	10	18	13	14	20	9	68	79	53	W	18	SW	7	W	8	262
16	.91	.90	.90	.90	11	19	16	15	21	11	65	51	81	W	18	SW	6	W	12	247
17	.86	.79	.66	.77	13	25	15	18	26	12	8	76	87	NW	21	SE	6	E	18	378
18	.40	.31	.39	.37	11	8	12	10	15	9	100	98	100	NE	.	NE	24	NE	16	399
19	.50	.56	.53	.53	-1	4	1	1	12	-3	100	95	94	N	8	N	8	NW	26	340
20	.50	.52	.54	.52	2	12	5	6	14	0	51	85	100	NW	21	0	0	SW	12	246
21	.45	.47	.51	.48	5	7	-5	2	9	-5	100	91	100	SW	39	W	14	N	16	501
22	.61	.66	.70	.66	-7	2	2	-1	7	-9	92	95	30	0	0	0	NE	22	204	
23	.69	.66	.61	.65	5	11	11	9	14	2	23	16	33	NE	16	0	0	NE	10	458
24	.52	.49	.47	.49	-2	-7	-9	-6	13	-9	100	100	83	NW	24	N	18	N	16	525
25	.44	.40	.46	.43	-10	-2	-10	-7	-1	-10	100	97	100	NW	47	N	8	N	20	658
26	.45	.55	.64	.55	-11	-4	1	-5	2	-11	96	86	72	N	30	NW	30	NE	29	767
27	.62	.70	.61	.64	6	13	15	11	19	0	72	32	53	NW	60	W	24	W	54	872
28	.51	.51	.50	.51	10	14	12	12	18	9	48	62	78	W	60	W	36	SW	36	1251
29	.43	.43	.34	.40	12	18	10	13	19	10	100	82	100	SW	30	SW	32	SW	22	711
Means	.55	.56	.57	.56	4.7	9.9	6.5	7.1	14.2	2.1	77	75	78	*30	19	24	24	16984		

REMARKS.

Feb. 1. Snow, B. 11.20 A.M.; E. 12.35 P.M.

2. " B. 10.45 A.M.; E. D. N.

4. " { B. D. N.; E. D. N.
B. 6.00 A.M.; E. 6.15 P.M.

Feb. 7. Snow, B. 8.35 A.M.; E. 10.10 A.M.

10. " { B. 5.30 A.M.; E. 7.00 A.M.

{ B. 10.25 A.M.; E. 3.15 P.M.

18. " B. D. N.; E. 6.30 A.M.

* For 23 days.

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FEBRUARY, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	*T	T	.	T	0	0	0	s 8	KS 7 SE	s 2	Cy	F	Cr
2	.	.04	.07	.11	0	Hidden	Hidden	s 9	N 10	N 10	Cy	LS	LS
3	.07	.	.	.07	0	cs 8	0	s 3	L. Fog	L. Fog	Cr	Cy	Cr
4	.05	.06	.05	.16	Hidden	Hidden	Hidden	D. Fog	{ D. Fog N 10	D. Fog	Fy	HS	Fy
5	.	.	.	.	0	0	0	L. Fog	L. Fog sw	0	Cr	Cr	Cr
6	.	.	.	.	cs 2	cs 5	cs 2 sw	0	K 1 sw	0	Cr	F	Cr
7	.	T	.	T	0	cs 6	0	s 8 sw	K 1 sw	L. Fog sw	Cy	F	Cr
8	.	.	.	.	cs 2	0	0	0	s 8 sw	0	Cr	Cy	Cr
9	.	.	.	.	0	c 1 sw	0	0	K 1 w	s 2 NW	Cr	Cr	Cr
10	.	.03	.02	.05	0	Hidden	0	KS 5	N 10	0	F	LS	Cr
11	.	.	.	.	0	cs 10	0	s 5 NW	L. Fog NW	0	F	Cy	Cr
12	.	.	.	.	cs 4	cs 5 NW	0	0	0	s 6	F	F	F
13	.	.	.	.	cs 3	cs 5	Hidden	0	KS 3 w	s 10	Cr	Cy	Cy
14	.	.	.	.	0	cs 3	0	s 1	0	0	Cr	Cr	Cr
15	.	.	.	.	0	0	0	s 1	K 1 sw	0	Cr	Cr	Cr
16	.	.	.	.	0	0	0	s 1	K 2 w	0	Cr	Cr	Cr
17	.	.	.	.	0	cs 1	Hidden	0	0	s 10	Cr	Cr	Cy
18	.12	T	.09	.21	Hidden	Hidden	Hidden	N 10	D. Fog NE	N 10 NE	LS	Fy	LS
19	.06	.	.	.06	Hidden	0	0	D. Fog	K 4 NW	0	Fy	F	Cr
20	.	.	.	.	cs 1	cs 7	Hidden	0	0	D. Fog	Cr	F	Fy
21	.01	T	.25	.26	0	cs 5	Hidden	{ L. Fog sw s 4	N 5 w	N 10 N	F	LS	LS
22	.04	.	.	.04	0	0	0	s 5	0	0	F	Cr	Cr
23	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
24	T	.05	.	.05	Hidden	Hidden	cs 5	{ D. Fog NW N 10	D. Fog N	L. Fog N	LS	Fy	F
25	.	.06	.04	.10	Hidden	Hidden	0	D. Fog NW	N 10	L. Fog N	Fy	LS	Cr
26	.	.	.	.	Hidden	0	0	D. Fog N	K 1 NW	0	Fy	Cr	Cr
27	.	.	.	.	0	0	0	0	D. Haze	s 4 w	Cr	Cr	F
28	.	.	.	.	cs 1	0	0	s 2 w	K 4 w	s 5	Cr	F	F
29	.	T	.04	.04	Hidden	0	Hidden	D. Fog sw	KS 4 sw	N 10 sw	Fy	F	HS
Total.	.35	.24	.56	1.15									

REMARKS.

Feb. 18. Snow, B. 2.30 P.M.; E. D. N.
 21. " { B. D. N.; E. D. N.
 { B. 12.55 P.M.; E. D. N.
 24. " B. D. N.; E. 8.00 A.M.

Feb. 25. Snow, B 7.30 A.M.; E. 4.00 P.M.
 29. " { B. 11.55 A.M.; E. 12.10 P.M.
 { B. 2.50 P.M.; E. 5.30 A.M. of Mar. 1.

* Frost.

MARCH, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.					Relative Humidity.			Wind. Direction and Velocity in Miles per Hour.			Movement. 24 Hours.	
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00		P.M. 8.00
	1	.29	.31	.36	.32	9	6	1	5	14	-3	100	95	66	w 12		sw 10	sw 30	441
2	.45	.55	.56	.52	-2	5	5	3	12	-5	74	81	76	w 30	w 28	sw 38	692
3	.53	.38	.36	.42	5	13	18	12	18	2	86	100	100	w 30	sw 33	sw 21	758
4	.35	.37	.42	.38	-4	2	3	0	18	-8	93	89	90	w 18	w 6	w 18	322
5	.39	.36	.35	.37	-8	3	-2	-2	7	-10	84	100	81	w 18	w 5	nw 20	421
6	.34	.33	.38	.35	-8	-5	-4	-6	-2	-10	84	86	93	nw 15	w 12	w 14	483
7	.40	.47	.46	.44	4	7	5	5	11	-4	85	69	81	sw 24	sw 32	sw 24	754
8	.30	.34	.38	.34	5	12	8	8	13	4	81	66	74	sw 75	sw 68	sw 36	1427
9	.34	.41	.46	.40	9	17	12	13	18	9	96	87	74	sw 24	s 5	sw 1	332
10	.44	.63	.78	.62	-9	-4	2	-4	12	-10	83	65	74	nw 8	nw 32	ne 20	493
11	.81	.86	.87	.85	5	10	10	8	13	2	71	32	21	nw 24	w 15	ne 23	432
12	.90	.96	.95	.94	15	21	18	18	24	10	46	29	49	ne 24	n 1	w 21	369
13	.90	.85	.82	.86	18	24	18	20	27	16	64	62	29	w 21	w 23	w 16	409
14	.82	.81	.83	.82	18	28	19	22	28	18	42	58	62	nw 15	s 8	se 15	278
15	.85	.85	.83	.84	18	27	16	20	28	15	76	54	87	sw 16	s 16	sw 30	381
16	.80	.84	.85	.83	13	19	16	16	21	13	78	71	61	nw 45	w 12	ne 1	486
17	.81	.78	.73	.77	15	26	18	20	26	15	67	65	57	w 18	sw 10	sw 27	406
18	.57	.45	.34	.45	16	26	14	19	27	13	60	82	83	w 39	w 28	n 30	581
19	.30	.31	.36	.32	-7	-4	-2	-4	14	-10	100	100	87	n 18	n 11	nw 12	298
20	.35	.38	.44	.39	-3	1	-1	-1	2	-5	73	89	100	n 18	w 6	n 20	508
21	.49	.59	.64	.57	-2	0	0	-1	1	-4	100	94	88	n 15	nw 36	w 46	802
22	.68	.72	.69	.70	5	17	15	12	20	0	86	32	36	nw 54	nw 33	nw 42	1058
23	.62	.62	.55	.60	14	24	14	17	25	11	48	38	44	nw 54	sw 12	sw 16	603
24	.48	.40	.38	.42	11	15	12	13	19	9	79	100	100	nw 18	w 13	w 21	392
25	.29	.27	.28	.28	8	9	1	6	14	1	100	100	100	sw 13	sw 27	sw 22	387
26	.24	.25	.29	.26	-8	0	-8	-5	1	-8	100	100	100	w 15	sw 9	sw 14	386
27	.28	.31	.31	.30	-4	-5	-11	-7	-3	-11	86	93	91	w 24	w 13	w 24	561
28	.36	.43	.42	.40	-5	4	2	0	6	-12	86	95	89	n 33	n 1	nw 48	670
29	.44	.60	.58	.54	2	15	12	10	18	1	84	36	34	nw 50	w 69	sw 42	1358
30	.65	.72	.78	.72	8	22	18	16	26	8	50	41	40	sw 48	sw 40	sw 66	1221
31	.73	.82	.76	.77	14	27	19	20	28	14	34	32	22	w 24	sw 8	sw 40	796
Means	.52	.55	.56	.54	4.9	11.7	8.0	8.2	15.7	2.0	77	72	71	27	20	26	18505

REMARKS.

March 1. Snow, B. 1.10 P.M.; E. 6.45 P.M.
 3. " B. 8.20 A.M.; E. 12.32 P.M.
 4. " B. D. N.; E. D. N.

March 5. Snow, B. 12.40 P.M.; E. D. N.
 9. Hail, B. 2.56 P.M.; E. 3.04 P.M.
 15. Snow, B. 7.45 P.M.; E. D. N.

1889AnHar...22...1P

MARCH, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.17	T	.03	.20	Hidden	0	0	N 10 W	s 8 SW	L.Fogsw	LS	Cy	Cr
2	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
3	.	.13	.	.13	0	Hidden	Hidden	L. Fog w	D.Fogsw	D.Fog w	Cr	Fy	Fy
4	.10	.	.	.10	Hidden	Hidden	Hidden	D. Fog w	s 10 NW	s 10 W	Fy	Cy	Cy
5	.	T	.09	.09	0	Hidden	0	s 3	N 10	N 8 W	Cr	LS	LS
6	.02	.	.	.02	0	Hidden	Hidden	L. Fog w	s 10	s 10 W	Cr	Cy	Cy
7	.	.	.	.	0	cs 2 W	0	s 3 W	KS 3	0	Cr	F	Cr
8	.	.	.	.	0	0	0	0	KS 9 W	s 2	Cr	Cy	Cr
9	.	.	.02	.02	Hidden	0	0	s 10 W	KS 8 SW	L.Fogsw	Cy	Cy	Cr
10	*T	.	.	T	0	0	0	s 3 W	0	0	Cr	Cr	Cr
11	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
12	.	.	.	.	0	c 2	0	0	0	0	Cr	Cr	Cr
13	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
14	.	.	.	.	0	c 4	0	0	0	s 4	Cr	F	F
15	.	.	T	T	0	cs 5	0	s 7	0	N 8	F	F	LS
16	T	.	.	T	0	cs 2 SW	0	s 4 W	KS 2	0	F	F	Cr
17	.	.	.	.	0	cs 1	0	0	0	0	Cr	Cr	Cr
18	.	.	T	T	0	cs 1	0	0	0	N 8 N	Cr	Cr	LS
19	.30	*T	.	.30	Hidden	Hidden	0	D.Fog NE	s 10 N	0	Fy	Cy	Cr
20	.	T	.10	.10	0	Hidden	Hidden	L.Fog NE	{ D. Fog w N 10	s 10 N	Cr	LS	Cy
21	.03	.	.	.03	Hidden	0	0	D.Fog NW	s 5 W	s 1	Fy	F	Cr
22	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
23	.	.	.	.	0	Hidden	0	s 7	KS 10	KS 5 W	F	Cy	F
24	.01	.09	.12	.22	Hidden	Hidden	Hidden	s 10	N 10	N 10 W	Cy	LS	LS
25	.26	.	.	.26	Hidden	Hidden	Hidden	D. Fog s	D. Fog w	D. Fog sw	Fy	Fy	Fy
26	*T	.	.	T	Hidden	Hidden	Hidden	D. Fog w	s 10 W	s 10 SW	Fy	Cy	Cy
27	*T	.	.	T	0	Hidden	0	{ L. Haze s 6 W	s 10	0	F	Cy	Cr
28	.	T	.	T	0	0	0	0	{ s 8 KS 1	s 4 W	Cr	Cy	F
29	.	.	.	.	0	cs 2 W	0	KS 4 W	0	s 1	F	Cr	Cr
30	.	.	.	.	0	cs 7	0	0	0	0	Cr	F	Cr
31	.	.	.	.	0	c 4	0	s 5 W	0	0	F	F	Cr
Total.	.89	.22	.36	1.47									

REMARKS.

March 18. Snow, B. 7.50 P.M.; E. D. N.
 20. " B. 12.46 P.M.; E. 5.15 P.M.
 21. " B. D. N.; E. D. N.

March 24. Snow, { B. D. N.; E. D. N.
 { B. 10.35 A.M.; E. D. N.
 28. " B. 12.05 P.M.; E. 12.20 P.M.

* Frost.

APRIL, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						Move- ment. 24 Hours.
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Direction and Velocity in Miles per Hour.						
														A.M. 5.00	P.M. 1.00	P.M. 8.00				
1	.68	.70	.72	.70	16	25	17	19	28	14	45	25	51	W 56	W 43	W 38	1168			
2	.71	.71	.71	.71	12	24	17	18	26	11	59	51	60	W 28	SW 24	W 38	646			
3	.72	.76	.72	.73	12	30	24	22	31	12	56	81	60	SW 28	S 20	S 18	618			
4	.58	.59	.63	.60	18	28	18	21	29	18	49	83	82	W 52	S 22	SW 21	813			
5	.65	.81	.84	.77	8	21	13	14	24	7	74	59	93	NW 42	W 4	S 24	631			
6	.84	.94	.96	.91	11	24	18	18	26	11	77	60	82	W 42	SW 9	SW 9	513			
7	.89	.92	.82	.88	16	28	21	22	30	16	71	62	99	W 57	SE 6	SW 24	535			
8	.72	.62	.60	.65	20	22	17	20	27	17	92	100	100	SW 8	0	NE 15	206			
9	.62	.71	.78	.70	8	12	14	11	19	6	50	70	100	N 52	NW 12	SW 18	655			
10	.73	.80	.84	.79	7	23	13	14	24	7	51	49	58	W 33	W 18	W 20	530			
11	.81	.91	.95	.89	11	21	14	15	22	11	77	86	62	NW 27	W 10	NW 24	412			
12	.99	1.02	1.02	1.01	15	26	22	21	33	10	57	47	58	N 11	NE 5	W 15	324			
13	1.01	1.01	1.01	1.01	21	35	32	29	38	21	46	72	71	NE 6	E 6	SE 14	253			
14	.96	.97	.96	.96	21	31	25	26	32	21	39	74	40	NW 18	W 10	N 12	411			
15	.96	.95	.90	.94	24	36	28	29	37	22	56	69	78	N 6	S 11	E 14	228			
16	.76	.77	.77	.77	22	31	26	26	34	22	60	84	76	W 38	W 24	W 30	670			
17	.83	.87	.91	.87	20	32	19	24	33	19	100	90	94	0	S 6	NE 8	170			
18	.89	.91	.93	.91	20	29	26	25	32	19	89	78	63	N 12	NE 6	NE 7	176			
19	.93	.94	.95	.94	21	34	26	27	36	20	59	63	71	NW 18	W 12	SW 18	358			
20	.96	.96	.94	.95	24	33	28	28	36	23	75	71	95	N 12	NE 8	W 18	191			
21	.94	.94	.93	.94	26	36	28	30	38	25	88	60	72	N 9	NE 13	SW 8	195			
22	.94	.97	.97	.96	27	33	26	29	34	26	89	52	76	NE 1	NE 12	E 20	275			
23	.94	.93	.86	.91	23	32	24	26	33	21	93	76	100	SW 28	E 17	S 15	517			
24	.87	.72	.67	.75	22	29	22	24	30	22	100	95	100	SE 11	SW 1	S 22	264			
25	.61	.54	.57	.57	19	23	16	19	28	16	91	100	83	S 16	SW 13	SW 19	388			
26	.68	.69	.70	.69	16	22	16	18	23	15	100	100	100	S 11	E 7	N 8	249			
27	.61	.60	.66	.62	14	12	10	12	16	10	100	100	100	NE 20	NE 24	NE 6	371			
28	.75	.78	.79	.77	3	7	5	5	10	2	100	91	86	NW 12	SW 24	N 20	365			
29	.76	.75	.76	.76	5	11	14	10	15	4	86	62	55	N 24	N 40	W 36	683			
30	.75	.79	.76	.77	15	23	21	20	24	14	67	61	79	NW 42	W 26	W 27	941			
Means	.80	.82	.82	.81	16.6	25.8	20.0	20.8	28.3	15.4	73	72	78	24	14	19	13756			

REMARKS.

April 5. Snow, B. 4.45 P.M.; E. D. N.
 7. " B. 2.05 P.M.; E. D. N.
 8. " B. 6.15 A.M.; E. D. N.
 9. " B. 7.50 P.M.; E. 8.10 P.M.

April 11. Snow, { B. 10.10 A.M.; E. 12.30 P.M.
 { B. 1.15 P.M.; E. 3.35 P.M.
 15. " B. 4.35 P.M.; E. 5.15 P.M.
 16. Hail, B. 1.10 P.M.; E. 1.30 P.M.

1889AnHar...22...1P

APRIL, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.	.	.	.	0	CS 7 W	0	s 3	0	0	Cr	F	Cr
2	.	.	.	.	0	CK 5 W	0	0	s 2	0	Cr	F	Cr
3	.	.	.	.	0	CS 6 SW	0	0	0	s 7 SW	Cr	F	F
4	.	.	.	.	0	CS 3	0	s 5 W	K 4 SW	KS 4 SW	F	F	F
5	.	.	.04	.04	0	CS 2	Hidden	0	KS 7 W	N 10	Cr	Cy	LS
6	.01	.	.	.01	0	c 3 W	0	0	K 3 SW	s 6	Cr	F	F
7	.	.	.03	.03	CS 4	0	Hidden	0	KS 8	{D. Fog sw N 10	F	Cy	LS
8	.08	.09	.12	.29	Hidden	Hidden	Hidden	D. Fog	{D. Fog N 10	{D. Fog N 10	Fy	LS	LS
9	.08	.	T	.08	0	0	Hidden	0	K 1	{D. Fog N 10	Cr	Cr	LS
10	T	.	.	T	0	0	0	0	K 3 W	s 3	Cr	Cr	Cr
11	.	T	.01	.01	0	0	0	s 2	L. Fog	0	Cr	Cr	Cr
12	.	.	.	.	0	0	0	0	0	0	Cr	Cr	Cr
13	.	.	.	.	0	0	0	0	K 3 SE	0	Cr	Cr	Cr
14	.	.	.	.	0	0	0	0	K 4 W	s 1	Cr	F	Cr
15	.	.	T	T	0	0	0	0	KS 6	K 5	Cr	F	F
16	.	.	.02	.02	0	0	Hidden	0	KS 9 W	s 10	Cr	Cy	Cy
17	T	.08	.09	.17	Hidden	Hidden	0	D. Fog	{D. Fog N 10	s 5	Fy	LS	F
18	.	.	.	.	0	0	0	s 2	KS 4	s 2	Cr	F	Cr
19	.	.	.	.	0	0	0	KS 2	K 1	0	Cr	Cr	Cr
20	.	.	.01	.01	0	0	0	0	KS 6 NW	KS 1	Cr	F	Cr
21	.	.	.	.	0	0	0	0	KS 7	0	Cr	F	Cr
22	.	.	T	T	0	Hidden	Hidden	0	KS 10 NW	N 10 E	Cr	Cy	LS
23	.04	.	.	.04	0	cs 8	Hidden	s 4	0	D. Fog s	F	Cy	Fy
24	*T	*T	.02	.02	Hidden	Hidden	Hidden	D. Fog s	s 10 s	D. Fog s	Fy	Cy	Fy
25	*T	.	.	T	Hidden	Hidden	0	s 10 s	s 10 SW	s 7 SW	Cy	Cy	F
26	.01	.	.10	.11	Hidden	Hidden	Hidden	s 10 s	D. Fog SE	N 10	Cy	Fy	HS
27	.31	.56	.39	1.26	Hidden	Hidden	Hidden	N 10 NE	N 10 NE	D. Fog	HS	HS	Fy
28	*T	*T	.	T	Hidden	Hidden	0	D. Fog N	D. Fog W	s 3	Fy	Fy	Cr
29	.	.	.	.	0	0	0	0	L. Fog N	s 6 W	Cr	Cr	F
30	.	.	.	.	CS 4	CS 7	0	0	K 2	s 5 W	F	Cy	F
Total	.53	.73	.83	2.09									

REMARKS.

April 16. Hail, B. 2 15 P.M.; E. 3.15 P.M.

17. Snow, { B. D. N.; E. D. N.
 { B. 6.25 A.M.; E. 3.50 P.M.

20. " B. 1.45 P.M.; E. 2.30 P.M.

April 22. Snow, B. 7.50 P.M.; E. D. N.

24. " B. 1.30 P.M.; E. 4.10 P.M.

26. " { B. D. N.; E. D. N.

 { B. 5.30 P.M.; E. 5.00 P.M. of 27th.

* Frost.

MAY, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00+				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.						
														Direction and Velocity in Miles per Hour.						Move- ment.
	A.M. 5.00	P.M. 1 00	P.M. 8.00	Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	24 Hours.			
1	.62	.66	.60	.63	18	27	22	22	28	16	62	54	80	W 78	SW 30	W 52	1111			
2	.55	.48	.46	.50	17	17	12	15	25	12	84	94	100	W 24	SW 31	E 13	827			
3	.57	.66	.68	.64	10	20	14	15	22	7	80	72	93	N 16	W 16	SW 28	464			
4	.66	.70	.68	.68	15	23	19	19	27	14	70	74	100	W 45	SW 22	SW 20	542			
5	.65	.60	.58	.61	17	19	17	18	25	17	94	91	97	S 6	W 9	NE 18	312			
6	.56	.65	.74	.65	16	21	16	18	24	16	100	83	97	W 22	NE 12	0	236			
7	.78	.80	.76	.78	14	22	22	19	24	14	83	100	93	N 11	N 10	W 25	281			
8	.71	.77	.76	.75	12	17	15	15	26	11	100	84	87	W 25	NW 21	NW 36	444			
9	.71	.77	.67	.72	16	24	20	20	24	15	87	81	79	NW 58	N 12	W 60	930			
10	.67	.67	.58	.64	20	32	22	25	32	20	83	85	80	N 54	SW 16	W 54	972			
11	.61	.75	.82	.73	15	19	15	16	24	14	77	49	63	NW 42	NW 24	NW 16	785			
12	.80	.87	.89	.85	14	29	26	23	32	13	48	41	47	NW 42	NW 22	NW 22	773			
13	.86	.98	.96	.93	22	33	28	28	37	22	67	85	83	NW 54	S 12	W 18	561			
14	.93	.94	.90	.92	27	37	32	32	40	24	43	82	80	NW 36	NW 12	NW 22	546			
15	.82	.82	.79	.81	28	34	24	29	35	24	67	90	100	NW 42	SW 28	SW 22	754			
16	.65	.70	.67	.67	24	32	27	28	34	24	100	85	77	W 18	SW 16	W 18	441			
17	.60	.63	.70	.64	19	22	16	19	28	16	65	80	94	W 36	W 12	NW 10	545			
18	.71	.74	.78	.74	17	26	20	21	28	15	78	71	79	NW 30	W 27	W 7	504			
19	.78	.82	.80	.80	16	31	23	23	34	15	66	74	87	NW 36	W 15	W 42	581			
20	.77	.80	.77	.78	22	31	24	26	31	18	73	79	68	W 60	W 11	W 24	832			
21	.74	.66	.68	.69	22	18	18	19	24	18	73	100	100	W 20	SW 33	W 24	581			
22	.75	.78	.75	.76	18	31	24	24	32	17	88	79	94	NW 38	S 18	S 21	518			
23	.70	.69	.71	.70	20	30	19	23	31	18	80	73	76	SW 12	SW 20	W 18	394			
24	.74	.73	.77	.75	17	25	23	22	28	15	75	100	87	NW 42	SW 15	SE 16	447			
25	.74	.70	.68	.71	28	31	20	26	32	18	67	84	91	SW 16	S 21	SW 30	453			
26	.66	.61	.60	.62	22	21	15	19	26	14	68	93	100	NW 8	NE 14	W 24	488			
27	.58	.61	.69	.63	11	14	11	12	16	11	100	100	100	N 12	NE 7	NE 8	254			
28	.77	.81	.85	.81	12	20	15	16	25	11	100	77	83	N 1	0	SW 1	101			
29	.86	.86	.86	.86	18	25	18	20	28	15	67	76	76	NE 18	NW 6	N 15	283			
30	.85	.90	.92	.89	22	25	19	22	29	18	60	88	91	N 24	SE 4	W 12	366			
31	.89	.91	.88	.89	22	32	23	26	32	19	66	80	87	NW 36	N 6	W 22	589			
Means	.72	.74	.74	.74	18.4	25.4	20.0	21.3	28.5	16.1	76	81	86	31	16	22	16915			

REMARKS.

May 2. Snow, B. 12.45 P.M.; E. D. N.
 3. " B. 4.30 P.M.; E. 4.55 P.M.
 4. " B. 11.55 A.M.; E. 3.20 P.M.
 5. Snow and Hail, B. D. N.; E. 3.50 P.M.
 6. Snow, { B. 9.10 A.M.; E. 2.00 P.M.
 { B. 6.30 P.M.; E. D. N.

May 7. Snow, B. 6.30 A.M.; E. 11.40 A.M.
 9. " B. 3.05 P.M.; E. 3.25 P.M.
 10. " { B. 9.30 A.M.; E. 10.30 A.M.
 { B. 1.05 P.M.; E. 1.40 P.M.
 13. " B. 1.20 P.M.; E. 2.25 P.M.
 15. Hail, B. 11.10 A.M.; E. 1.45 P.M.

May 16. Snow, B. 12.37 P.M.; E. 12.50 P.M.
 17. { Snow & Hail, { B. 9.18 A.M.;
 { E. 12.35 P.M.
 { Snow, B. 2.05 P.M.; E. 2.55 P.M.
 { " B. 4.15 P.M.; E. D. N.
 18. Snow, B. 1.55 P.M.; E. 2.15 P.M.

MAY, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
					Upper.			Lower.					
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00
1	.	.	.	.	Hidden	c 1	0	s 10 w	KS 3	s 2	Cy	F	Cr
2	.	T	.04	.04	0	Hidden	Hidden	s 4 w	{N 10 D. Fog s	N 10	F	LS	LS
3	.01	.	T	.01	0	0	0	0	KS 4 w	s 4	Cr	F	F
4	.	T	.02	.02	c 3	Hidden	Hidden	s 1 w	N 10	D. Fog	F	LS	Fy
5	T	.33	.26	.59	Hidden	Hidden	Hidden	{D. Fog N 10	{D. Fog N 10	D. Fog	LS	HS	Fy
6	.	.10	.03	.13	0	Hidden	Hidden	L. Fog w	{D. Fog N 10	{D. Fog N 10	Cr	LS	LS
7	T	.04	.	.04	cs 5	Hidden	Hidden	0	D. Fog	D. Fog w	F	Fy	Fy
8	.	.	.	.	0	0	0	L. Fog w	KS 3 NW	0	Cr	Cr	Cr
9	.	.	T	T	0	0	Hidden	0	KS 6 NW	s 10 w	Cr	F	Cy
10	.	T	T	T	0	Hidden	0	s 8 N	KS 10 w	s 8 w	Cy	Cy	Cy
11	.	.	.	.	0	cs 7 w	0	0	0	0	Cr	F	Cr
12	.	.	.	.	0	cs 5 N	0	0	0	0	Cr	F	Cr
13	.	.	T	T	0	0	0	0	KS 8 w	KS 1	Cr	Cy	Cr
14	.	.	.	.	0	0	0	0	KS 7 NW	KS 5 NW	Cr	F	F
15	.	.04	T	.04	0	Hidden	Hidden	s 3	N 10 SW	D. Fog SW	Cr	HI	Fy
16	*.04	T	.	.04	Hidden	c 2	0	D. Fog w	K 6 SW	s 5	Fy	Cy	F
17	.	.02	.07	.09	0	0	Hidden	s 2	KS 8 w	N 10	Cr	Cy	LS
18	.03	.	.01	.04	0	0	0	s 2	KS 8 SW	KS 3	Cr	Cy	Cr
19	.	T	.01	.01	0	0	0	s 1	N 8 w	s 8 w	Cr	LS	Cy
20	.	.01	.	.01	0	Hidden	0	0	s 10	s 4 w	Cr	Cy	F
21	.	.06	.09	.15	0	Hidden	Hidden	ks 2	s 10	s 10 w	Cr	Cy	Cy
22	.	.02	.	.02	0	Hidden	0	0	s 10	KS 6 s	Cr	Cy	F
23	.03	.	.08	.11	0	Hidden	Hidden	0	KS 10 s	N 10 w	Cr	Cy	SI
24	.06	.04	.02	.12	0	Hidden	Hidden	0	N 10 s	D. Fog s	Cr	HI	Fy
25	.02	.	.01	.03	0	0	Hidden	0	s 9	KS 10 SW	Cr	Cy	Cy
26	.	.03	.13	.16	0	Hidden	Hidden	s 2	N 10 NE	N 10 SW	Cr	HI	LS
27	.16	.07	.	.23	Hidden	Hidden	Hidden	D. Fog N	D. Fog NE	D. Fog NE	Fy	Fy	Fy
28	.06	.	.	.06	Hidden	0	0	s 10 N	KS 5	s 1	Cy	F	Cr
29	.	.02	.	.02	0	0	0	0	KS 6 w	s 4 w	Cr	F	F
30	.	.04	.39	.43	0	Hidden	0	0	N 10 SE	s 6	Cr	SI	F
31	.	.	.01	.01	0	CK 2	0	0	KS 4 NE	s 4	Cr	F	F
Total.	.41	.82	1.17	2.40									

REMARKS.

May 19. Snow, B. 12.48 P.M.; E. 1.13 P.M.
 20. Hail, B. 12.52 P.M.; E. 12.58 P.M.
 21. { Hail, B. 11.55 A.M.; E. 12.30 P.M.
 { Snow, B. 3.10 P.M.; E. 5.15 P.M.
 22. Hail, B. 12.10 P.M.; E. 12.30 P.M.
 23. Snow, B. D.N.; E. D.N.

May 23. Hail & Sleet, B. 4.55 P.M.; E. D.N.
 24. " " B. 12.15 P.M.; E. 1.20 P.M.
 25. Snow, { B. D.N.; E. D.N.
 { B. 4.10 P.M.; E. 4.35 P.M.
 26. Snow & Hail, { B. 12.15 P.M.;
 { E. 1.04 P.M.

May 26. Snow, B. 4.30 P.M.; E. D.N.
 27. " B. 9.30 A.M.; E. 12.10 P.M.
 28. " B. D.N.; E. D.N.
 29. Hail, B. 12.08 P.M.; E. 12.19 P.M.
 30. Sleet, B. 12.09 P.M.; E. 4.10 P.M.
 31. Hail, B. 1.20 P.M.; E. 1.35 P.M.

* Frost.

JUNE, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Pressure. Inches, 17.00				Temperature in Degrees Fahrenheit.						Relative Humidity.			Wind.					
	Direction and Velocity in Miles per Hour.			Move- ment.	A.M.			P.M.			A.M.			P.M.			24 Hours.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00		Mean.	A.M. 5.00	P.M. 1.00	P.M. 8.00	Mean.	Max.	Min.	A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00		P.M. 8.00	
1	.90	.94	.93	.92	22	32	26	27	32	21	80	80	82	NW 24	W 16	W 24	429		
2	.93	.96	.90	.93	26	35	32	31	37	24	76	81	85	NW 26	W 12	SW 32	654		
3	.90	.86	.76	.84	28	38	31	32	40	28	78	75	84	W 30	S 24	SW 36	678		
4	.62	.71	.77	.70	24	36	30	30	39	23	62	82	84	SW 64	SW 24	W 30	896		
5	.79	.86	.92	.86	21	32	29	27	36	20	79	85	84	SW 42	SW 24	S 33	730		
6	.91	.96	.90	.92	29	40	32	34	42	27	78	80	75	SW 42	SW 30	SW 24	693		
7	.81	.85	.76	.81	30	40	33	34	41	28	63	72	76	SW 66	SW 32	SW 48	1136		
8	.66	.84	.92	.81	22	33	29	28	37	22	47	80	73	SW 84	W 24	NW 6	710		
9	.93	.99	1.01	.98	24	34	32	30	42	22	69	72	80	SW 20	NW 8	E 16	430		
10	.95	1.02	1.00	.99	26	38	35	33	43	26	88	70	81	W 24	W 6	E 10	466		
11	.99	1.01	.97	.99	30	44	37	37	47	30	83	74	82	W 11	NW 5	NW 6	248		
12	.94	.94	.93	.94	32	47	38	39	47	31	65	69	79	W 24	SW 12	NW 12	393		
13	.89	.94	.96	.93	30	40	35	35	42	29	84	84	89	NW 36	0	NW 12	399		
14	.99	1.02	1.00	1.00	36	50	40	42	50	33	77	70	76	N 12	SW 6	S 15	275		
15	1.01	1.02	1.00	1.01	41	50	44	45	54	36	76	83	81	SW 9	SE 5	SE 20	269		
16	.97	1.00	.99	.99	40	47	41	43	52	34	68	69	88	W 11	E 12	NE 6	268		
17	.96	.96	.93	.95	36	48	40	41	50	35	86	86	96	W 20	E 7	E 8	312		
18	.85	.86	.80	.84	35	41	34	37	45	34	91	100	98	SW 32	SE 7	SW 12	459		
19	.73	.59	.66	.69	33	26	26	28	36	26	90	100	90	SW 14	NW 24	W 24	556		
20	.59	.68	.67	.65	20	30	26	25	33	19	74	84	82	W 48	W 30	W 54	949		
21	.68	.76	.81	.75	19	30	28	26	37	18	39	73	89	W 52	NW 32	NW 5	813		
22	.78	.82	.85	.82	22	34	30	29	38	21	80	90	90	W 33	W 12	NW 15	457		
23	.85	.89	.94	.89	25	38	31	31	42	24	82	75	90	W 8	W 18	NE 8	372		
24	.88	.92	.94	.91	30	37	33	33	39	27	84	82	85	W 32	W 11	W 8	424		
25	.87	.89	.87	.88	31	40	36	36	45	30	90	92	77	W 30	SW 28	W 32	639		
26	.87	.94	.98	.93	30	43	38	37	44	30	95	81	87	W 32	NE 6	NW 10	349		
27	.97	1.03	1.02	1.01	36	52	42	43	53	33	86	63	84	NW 40	S 6	S 22	416		
28	1.01	1.04	1.05	1.03	42	55	48	48	58	37	81	73	83	W 21	W 21	W 24	431		
29	1.05	1.12	1.11	1.09	40	57	44	47	58	40	59	50	85	W 44	S 18	SW 14	633		
30	1.10	1.12	1.06	1.09	39	48	40	42	50	36	75	76	88	SW 34	E 1	S 6	530		
Means	.88	.92	.91	.90	30.0	40.5	34.7	35.0	43.6	28.2	76	78	84	32	15	19	16014		

REMARKS.

June 1. { Hail, B. 12.35 P.M.; E. 12.48 P.M.
 { Sleet, B. 1.55 P.M.; E. 4.10 P.M.
 2. Hail, B. 11.25 A.M.; E. 11.28 A.M. | June 2. Snow, B. 2.50 P.M.; E. 4.10 P.M.
 10. " B. 2.14 P.M.; E. 2.20 P.M. | June 13. Snow, B. 2.50 P.M.; E. 4.50 P.M.
 14. Snow, B. 1.30 P.M.; E. 1.50 P.M.
 16. Hail, B. 2.30 P.M.; E. 2.55 P.M.

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JUNE, 1888.

METEOROLOGICAL OBSERVATIONS MADE ON THE SUMMIT OF PIKE'S PEAK, COLORADO.

Date.	Precipitation.				Clouds; Kind, Amount, and Direction from which they move.						Weather.		
	A.M. 5.00	P.M. 1.00	P.M. 8.00	Total.	Upper.			Lower.			A.M. 5.00	P.M. 1.00	P.M. 8.00
					A.M. 5.00	P.M. 1.00	P.M. 8.00	A.M. 5.00	P.M. 1.00	P.M. 8.00			
1	.	.03	.09	.12	0	Hidden	0	0	s 10 w	ks 8 sw	Cr	Cy	Cy
2	.	.01	T	.01	0	cs 2	0	s 2	ks 4 sw	ks 1 sw	Cr	F	Cr
3	cs 1	c 2 sw	0	0	0	0	Cr	Cr	Cr
4	c 2	0	0	0	0	ks 1 w	Cr	Cr	Cr
5	0	0	c 2	0	k 2 w	L. Fog s	Cr	Cr	Cr
6	0	0	cs 4	0	k 4 sw	0	Cr	F	F
7	0	0	0	0	k 1 sw	L. Haze	Cr	Cr	Cr
8	0	0	0	D. Haze	0	0	Cr	Cr	Cr
9	0	0	0	0	k 1 w	s 1	Cr	Cr	Cr
10	.	.	T	T	0	cs 6	0	0	ks 2 w	ks 5 w	Cr	Cy	F
11	c 2	0	0	0	ks 7 w	s 5	Cr	F	F
12	c 4 w	0	0	0	ks 5 sw	s 5	F	F	F
13	.	.07	.10	.17	cs 4 w	0	0	0	ks 8	s 3	F	Cy	Cr
14	.	.	T	T	0	0	0	0	ks 6 sw	s 1	Cr	F	Cr
15	0	0	0	0	ks 8 w	ks 4	Cr	Cy	F
16	.	.	.07	.07	0	0	0	0	ks 7 w	ks 7	Cr	F	F
17	.	.	T	T	c 2	0	Hidden	0	k 4	N 10 SE	Cr	F	LS
18	.08	.09	.33	.50	cs 4 w	Hidden	Hidden	0	N 10 SE	N 10 SW	F	Hl	Hl
19	.03	.09	.	.12	0	Hidden	0	ks 6 sw	D. Fog NW	s 2	F	Fy	Cr
20	0	0	0	0	k 2 w	0	Cr	Cr	Cr
21	0	0	0	0	0	0	Cr	Cr	Cr
22	0	0	0	0	0	0	Cr	Cr	Cr
23	0	0	0	0	0	s 1	Cr	Cr	Cr
24	c 2	0	cs 3	0	ks 8 w	0	Cr	Cy	Cr
25	.	T	T	T	c 1 w	Hidden	0	s 4 w	N 10 SW	s 1	F	LS	Cr
26	0	0	0	ks 3 w	ks 4 NW	0	Cr	F	Cr
27	0	0	0	0	ks 4 w	ks 4 sw	Cr	F	F
28	0	0	0	0	ks 4 w	0	Cr	F	Cr
29	0	0	0	ks 1	ks 8 sw	s 6	Cr	Cy	F
30	.	T	.02	.02	0	Hidden	0	0	s 10	s 8	Cr	Cy	Cy
Total.	.11	.29	.61	1.01									

REMARKS.

June 16. Snow, B. 3.52 P.M.; E. 5.30 P.M.
 17. Snow, B. 7.45 P.M.; E. D. N.
 18. Hail, B. 11 45 A.M.; E. 1.55 P.M.

June 18. Hail, B. 7.10 P.M.; E. 8.40 P.M.
 19. Snow, B. 9.15 A.M.; B. 12.30 P.M.
 25. " B. 11.55 A.M.; E. 1.35 P.M.

June 30. Hail, { B. 12.30 P.M.; E. 12.35 P.M.
 { B. 1.20 P.M.; E. 1.50 P.M.

HOURLY OBSERVATIONS
AT
COLORADO SPRINGS, AND PIKE'S PEAK, COLORADO,
AUGUST AND SEPTEMBER,
1874.

COLORADO SPRINGS, AUGUST, 1874.

PRESSURE.

[23 inches + the figures in the table.]

Date.	5.42 A.M.	7.00 A.M.	8.00 A.M.	9.00 A.M.	10.08 A.M.	11.00 A.M.	12.00 M.	1.00 P.M.	2.00 P.M.	2.42 P.M.	4.00 P.M.	5.00 P.M.	6.00 P.M.	7.00 P.M.	8.00 P.M.	9.07 P.M.
1	1.258	1.263	1.255	1.220	1.197	1.182	1.168	1.148	1.138	1.125	1.111	1.110	1.108	1.131	1.139	1.191
2	1.191	1.211	1.217	1.215	1.207	1.198	1.202	1.185	1.164	1.167	1.177	1.159	1.191	1.203	1.223	1.238
3	1.258	1.258	1.261	1.254	1.261	1.246	1.231	1.218	1.214	1.198	1.244	1.282	1.273	1.265	1.284	1.269
4	1.238	1.240	1.248	1.239	1.246	1.222	1.223	1.220	1.208	1.198	1.195	1.198	1.205	1.221	1.225	1.243
5	1.241	1.245	1.247	1.234	1.234	1.220	1.204	1.190	1.181	1.159	1.142	1.174	1.191	1.202	1.227	1.229
6	1.213	1.229	1.229	1.234	1.236	1.227	1.224	1.211	1.204	1.202	1.174	1.174	1.176	1.182	1.194	1.205
7	1.221	1.207	1.235	1.235	1.247	1.249	1.249	1.219	1.217	1.217	1.197	1.179	1.180	1.196	1.218	1.229
8	1.228	1.228	1.224	1.227	1.235	1.205	1.203	1.183	1.172	1.212	1.208	1.208	1.187	1.195	1.219	1.211
9	1.171	1.165	1.178	1.164	1.152	1.146	1.118	1.116	1.074	1.070	1.076	1.081	1.095	1.089	1.089	1.094
10	0.990	0.978	0.970	0.989	0.997	1.001	0.984	0.986	0.977	0.964	0.950	0.940	0.951	0.957	0.979	1.003
11	1.098	1.130	1.119	1.129	1.135	1.132	1.116	1.118	1.100	1.090	1.090	1.092	1.092	1.107	1.119	1.144
12	1.252	1.270	1.277	1.277	1.286	1.272	1.253	1.243	1.231	1.240	1.233	1.247	1.253	1.254	1.286	1.293
13	1.295	1.299	1.289	1.293	1.293	1.273	1.253	1.243	1.251	1.239	1.243	1.246	1.254	1.256	1.256	1.266
14	1.254	1.277	1.267	1.270	1.263	1.255	1.241	1.231	1.225	1.219	1.207	1.198	1.209	1.219	1.234	1.234
15	1.248	1.257	1.265	1.265	1.260	1.255	1.239	1.227	1.213	1.199	1.191	1.194	1.193	1.197	1.211	1.222
16	1.217	1.220	1.217	1.227	1.224	1.214	1.211	1.214	1.202	1.212	1.214	1.213	1.208	1.210	1.224	1.227
17	1.284	1.325	1.323	1.329	1.318	1.314	1.289	1.267	1.253	1.241	1.243	1.276	1.288	1.268	1.271	1.295
18	1.224	1.220	1.222	1.211	1.202	1.190	1.166	1.152	1.120	1.108	1.118	1.096	1.101	1.113	1.137	1.145
19	1.200	1.206	1.216	1.207	1.209	1.197	1.189	1.169	1.149	1.145	1.142*	1.134	1.142	1.180	1.190	1.192
20	1.203	1.198	1.198	1.187	1.187	1.165	1.148	1.140	1.111	1.108	1.112	1.134	1.152	1.167	1.177	1.164
21	1.197	1.220	1.201	1.204	1.201	1.206	1.196	1.186	1.166	1.169	1.188	1.184	1.172	1.189	1.191	1.211
22	1.311	1.314	1.326	1.325	1.321	1.315	1.297	1.287	1.263	1.255	1.258	1.254	1.262	1.271	1.274	1.280
23	1.282	1.290	1.297	1.293	1.295	1.277	1.257	1.238	1.245	1.238	1.228	1.230	1.232	1.237	1.262	1.272
24	1.267	1.270	1.271	1.279	1.255	1.249	1.228	1.216	1.210	1.194	1.168	1.162	1.152	1.157	1.169	1.174
25	1.144	1.156	1.156	1.162	1.158	1.145	1.130	1.118	1.089	1.078	1.074	1.067	1.069	1.073	1.083	1.091
26	1.064	1.070	1.073	1.071	1.075	1.061	1.055	1.047	1.036	1.047	1.061	1.051	1.054	1.070	1.070	1.078
27	1.035	1.033	1.046	1.044	1.046	1.039	1.031	1.011	0.991	0.971	0.981	0.985	0.991	1.005	1.009	1.029
28	1.114	1.111	1.126	1.124	1.128	1.131	1.133	1.123	1.109	1.111	1.111	1.121	1.114	1.147	1.179	1.201
29	1.294	1.287	1.296	1.304	1.307	1.297	1.280	1.270	1.260	1.240	1.230	1.230	1.220	1.224	1.259	1.269
30	1.269	1.268	1.258	1.258	1.234	1.220	1.198	1.176	1.228	1.224	1.207	1.179	1.183	1.182	1.190	1.192
31	1.179	1.175	1.166	1.176	1.166	1.166	1.148	1.138	1.116	1.106	1.104	1.108	1.123	1.131	1.161	1.167
Means	1.208	1.214	1.215	1.214	1.212	1.202	1.189	1.177	1.165	1.160	1.157	1.158	1.162	1.171	1.186	1.195

* Recorded as 1.172.

COLORADO SPRINGS, AUGUST, 1874.

TEMPERATURE.

Date.	5.42 A.M.	7.00 A.M.	8.00 A.M.	9.00 A.M.	10.07 A.M.	11.00 A.M.	12.00 M.	1.00 P.M.	2.00 P.M.	2.42 P.M.	4.00 P.M.	5.00 P.M.	6.00 P.M.	7.00 P.M.	8.00 P.M.	9.07 P.M.
1	64.5	68.0	72.0	70.5	76.3	77.0	79.5	81.5	74.5	77.0	74.5	74.8	73.0	71.5	66.5	66.5
2	58.8	65.5	70.0	72.5	75.5	77.0	72.0	76.0	78.5	75.5	75.3	74.5	71.0	67.0	65.5	64.0
3	56.7	66.0	72.0	75.0	78.0	80.5	78.8	80.5	84.0	76.5	67.5	60.0	58.0	59.0	61.0	66.0
4	58.0	64.5	64.0	69.7	71.5	75.5	75.5	79.5	85.5	80.5	78.0	75.5	72.5	72.0	70.5	68.2
5	59.8	67.0	71.5	78.2	81.0	81.0	84.0	86.5	87.2	87.0	79.0	75.0	72.5	69.5	67.0	67.0
6	60.0	65.0	70.0	75.2	78.0	85.0	84.5	86.5	82.3	80.5	85.5	84.0	79.0	75.5	71.5	70.0
7	65.5	71.5	77.0	79.0	80.5	85.0	87.2	88.0	87.5	88.2	89.0	90.0	86.5	78.5	75.0	73.5
8	59.0	69.0	76.2	82.0	87.0	89.5	91.0	92.0	87.0	75.5	77.0	78.2	76.0	71.0	68.0	64.2
9	61.5	71.5	73.0	76.5	80.5	83.2	85.0	88.5	87.0	90.0	79.5	74.2	67.0	66.0	66.2	64.0
10	62.5	74.0	74.5	75.0	78.5	80.5	83.0	85.5	86.0	86.0	86.0	91.0	88.0	77.5	74.0	70.0
11	54.0	68.0	74.0	74.2	76.0	78.0	81.0	82.0	80.5	81.5	80.5	82.0	79.5	74.0	69.0	68.0
12	59.0	62.0	64.5	69.5	75.0	78.0	84.0	84.5	85.5	84.8	83.0	86.0	80.0	74.0	70.0	68.0
13	58.0	67.5	69.5	74.0	79.5	81.5	87.0	81.5	78.0	78.2	78.0	73.5	72.5	72.0	72.5	73.0
14	61.0	75.0	74.0	78.5	81.5	81.5	82.5	84.2	85.5	85.0	86.0	84.5	85.5	86.5	74.0	69.0
15	62.0	70.0	76.2	82.0	85.5	89.0	90.0	89.0	90.0	89.0	90.0	92.0	86.0	80.5	77.5	76.5
16	61.5	73.0	76.5	83.0	80.0	85.0	84.0	84.0	85.5	81.5	78.0	80.5	80.0	77.0	74.0	72.0
17	63.5	64.0	64.0	66.5	75.0	78.5	83.8	83.5	84.0	84.8	75.0	68.0	63.0	62.0	61.0	61.5
18	57.5	57.5	61.0	63.0	68.5	72.5	79.0	82.5	84.0	86.0	84.0	85.0	82.5	75.5	73.0	69.0
19	66.0	71.5	75.5	79.0	83.0	84.5	86.5	86.5	87.0	86.8	81.0	82.2	80.5	76.0	71.0	67.5
20	60.0	65.5	72.0	76.0	79.2	85.0	87.0	85.0	87.8	86.0	79.0	74.0	67.0	67.0	66.0	65.0
21	59.0	61.5	70.0	76.0	77.0	81.0	81.0	79.0	82.5	78.0	73.5	72.5	74.0	68.0	64.0	62.0
22	58.5	64.0	68.5	72.0	75.0	76.2	79.0	81.0	81.0	79.2	74.5	71.5	71.5	67.0	65.0	63.5
23	56.0	60.0	68.0	70.0	73.5	76.0	79.0	84.5	81.0	80.0	81.0	81.0	79.0	69.5	66.0	62.0
24	54.0	64.0	70.5	75.0	73.5	80.5	82.2	82.0	81.0	82.0	80.0	76.0	70.5	72.0	69.2	70.0
25	60.0	62.5	64.0	67.5	70.0	70.2	75.5	75.0	79.0	81.5	77.0	77.0	79.5	71.5	70.0	69.0
26	59.5	61.0	66.0	70.5	76.0	76.0	78.0	77.0	78.2	70.5	65.0	64.0	65.2	64.5	63.2	63.0
27	59.5	73.2	74.5	76.5	78.0	79.0	80.0	82.0	81.2	83.5	81.5	81.0	79.0	73.0	71.0	70.5
28	60.5	66.0	69.5	72.0	74.0	75.5	76.2	79.0	80.5	81.5	81.0	80.5	80.5	71.0	68.0	66.0
29	53.0	62.0	68.0	73.0	76.0	77.0	78.5	79.0	81.0	81.0	81.0	81.0	81.0	72.0	69.0	70.0
30	58.0	60.5	67.0	68.5	73.0	76.0	82.0	83.5	60.5	63.5	67.0	69.0	68.0	64.0	62.0	61.0
31	57.0	66.0	71.5	74.0	77.0	80.0	82.5	84.0	84.0	84.0	82.0	81.2	78.2	71.0	67.0	65.0
Means.	59.5	66.3	70.5	74.0	77.2	79.8	81.9	83.0	82.5	81.5	79.0	78.1	75.7	71.5	68.6	67.3

PIKE'S PEAK, COLORADO, AUGUST, 1874.

PRESSURE.

[17 inches + the figures in the table.]

Date.	5.42 A.M.	7.00 A.M.	8.00 A.M.	9.00 A.M.	10.08 A.M.	11.00 A.M.	12.00 M.	1.00 P.M.	2.00 P.M.	2.42 P.M.	4.00 P.M.	5.00 P.M.	6.00 P.M.	7.00 P.M.	8.00 P.M.	9.07 P.M.
1	1.048	1.046	1.057	1.061	1.063	1.066	1.061	1.055	1.056	1.046	1.044	1.047	1.036	1.045	1.037	1.041
2	1.050	1.061	1.065	1.076	1.082	1.085	1.075	1.080	1.081	1.083	1.076	1.076	1.071	1.076	1.091	1.107
3	1.117	1.120	1.132	1.138	1.142	1.139	1.135	1.135	1.120	1.107	1.091	1.086	1.075	1.092	1.098	1.105
4	1.046	1.049	1.059	1.065	1.090	1.106	1.117	1.125	1.117	1.109	1.091	1.097	1.111	1.113	1.115	1.122
5	1.081	1.073	1.093	1.099	1.121	1.124	1.123	1.118	1.119	1.115	1.096	1.085	1.081	1.091	1.079	1.087
6	1.079	1.084	1.095	1.096	1.100	1.102	1.098	1.097	1.099	1.087	1.088	1.073	1.067	1.080	1.082	1.080
7	1.088	1.100	1.113	1.130	1.145	1.142	1.155	1.150	1.152	1.143	1.134	1.126	1.126	1.121	1.133	1.148
8	1.138	1.121	1.143	1.144	1.172	1.179	1.161	1.153	1.141	1.118	1.123	1.115	1.101	1.107	1.107	1.098
9	1.077	1.075	1.076	1.083	1.073	1.072	1.059	1.056	1.047	1.041	1.010	1.017	1.001	0.987	0.937	0.945
10	0.865*	0.873	0.880	0.891	0.909	0.910	0.910	0.924	0.934	0.933	0.917	0.916	0.918	0.920	0.914	0.913
11	0.916	0.910	0.953	0.974	0.973	0.980	0.989	1.012	1.011	1.004	1.024	0.987	1.025	1.044	1.031	1.047
12	1.089	1.104	1.110	1.120	1.123	1.133	1.139	1.145	1.146	1.133	1.131	1.126	1.130	1.126	1.146	1.148
13	1.143	1.150	1.153	1.164	1.169	1.169	1.159	1.153	1.153	1.140	1.141	1.135	1.132	1.141	1.143	1.132
14	1.109	1.120	1.127	1.136	1.147	1.152	1.150	1.149	1.146	1.149	1.140	1.140	1.138	1.142	1.149	1.152
15	1.146	1.152	1.160	1.168	1.167	1.169	1.167	1.161	1.164	1.158	1.159	1.156	1.156	1.152	1.153	1.154
16	1.112	1.123	1.134	1.145	1.142	1.143	1.145	1.139	1.137	1.135	1.131	1.133	1.133	1.131	1.131	1.136
17	1.123	1.131	1.138	1.131	1.143	1.140	1.134	1.128	1.118	1.109	1.096	1.057	1.077	1.068	1.072	1.092
18	1.031	1.045	1.040	1.049	1.063	1.063	1.071	1.087	1.085	1.075	1.069	1.072	1.068	1.079	1.081	1.078
19	1.085	1.092	1.098	1.111	1.128	1.123	1.121	1.122	1.112	1.107	1.094	1.075	1.079	1.092	1.084	1.078
20	1.045	1.061	1.070	1.089	1.088	1.088	1.086	1.076	1.070	1.048	1.052	1.048	1.061	1.062	1.067	1.061
21	1.057	1.052	1.055	1.073	1.093	1.094	1.095	1.093	1.086	1.074	1.071	1.059	1.061	1.055	1.071	1.079
22	1.102	1.115	1.116	1.123	1.123	1.123	1.116	1.116	1.120	1.119	1.109	1.107	1.103	1.113	1.112	1.122
23	1.113	1.117	1.117	1.127	1.128	1.130	1.123	1.124	1.117	1.117	1.110	1.106	1.107	1.108	1.111	1.112
24	1.090	1.101	1.099	1.105	1.103	1.099	1.091	1.079	1.063	1.058	1.055	1.039	1.035	1.028	1.027	1.017
25	0.949	0.965	0.969	0.982	0.981	0.971	0.959	0.939	0.960	0.951	0.944	0.939	0.941	0.958	0.968	0.971
26	0.933	0.942	0.953	0.961	0.961	0.964	0.960	0.955	0.948	0.945	0.947	0.931	0.932	0.948	0.954	0.964
27	0.930	0.927	0.928	0.927	0.933	0.923	0.925	0.930	0.923	0.924	0.916	0.903	0.899	0.914	0.917	0.939
28	0.929	0.936	0.947	0.961	0.977	0.981	0.990	0.998	1.008	1.012	1.018	1.025	1.031	1.036	1.051	1.060
29	1.076	1.089	1.100	1.107	1.114	1.123	1.121	1.117	1.115	1.113	1.114	1.110	1.104	1.102	1.115	1.118
30	1.086	1.079	1.083	1.085	1.089	1.087	1.088	1.075	1.049	1.008	1.006	1.015	1.006	1.018	1.029	1.023
31	1.009	1.021	1.025	1.034	1.056	1.061	1.054	1.062	1.057	1.055	1.061	1.065	1.057	1.063	1.067	1.065
Means.	1.054	1.059	1.067	1.076	1.084	1.085	1.083	1.082	1.079	1.072	1.066	1.060	1.060	1.065	1.067	1.071

* Recorded as 17.815.

PIKE'S PEAK, COLORADO, AUGUST, 1874.

TEMPERATURE.

Date.	5.42 A.M.	7.00 A.M.	8.00 A.M.	9.00 A.M.	10.07 A.M.	11.00 A.M.	12.00 M.	1.00 P.M.	2.00 P.M.	2.42 P.M.	4.00 P.M.	5.00 P.M.	6.00 P.M.	7.00 P.M.	8.00 P.M.	9.07 P.M.
1	34.5	37.5	41.0	44.0	46.2	48.0	49.3	49.3	50.0	48.3	47.3	45.2	43.7	42.7	41.0	41.1
2	36.0	39.0	42.2	45.1	46.2	45.2	47.0	48.2	47.1	47.0	47.8	44.2	40.0	38.8	37.2	37.0
3	37.0	38.2	40.5	44.0	45.3	49.0	49.3	47.0	44.8	43.3	36.9	37.5	36.8	36.8	34.0	33.7
4	33.9	33.8	36.2	36.4	40.3	44.3	45.4	46.3	46.3	43.0	43.1	43.0	41.3	40.2	39.2	39.1
5	34.0	35.3	36.0	39.8	42.2	46.5	47.3	47.5	48.0	49.4	44.3	43.8	44.0	42.0	39.0	37.0
6	35.0	40.2	41.0	40.1	41.1	47.1	46.9	45.2	46.2	39.9	41.0	41.0	39.9	38.5	37.7	37.2
7	35.3	38.8	43.4	44.0	47.4	49.5	51.6	51.5	51.0	50.4	49.2	47.5	45.5	43.0	41.0	40.0
8	38.0	41.6	44.2	48.2	50.0	53.0	54.5	54.6	51.5	43.2	41.2	41.0	42.0	40.8	39.4	38.0
9	36.5	38.2	40.5	39.4	40.0	40.8	49.3	50.0	50.0	51.3	46.8	46.2	44.2	41.0	40.0	38.4
10	30.5	31.0	35.8	40.0	40.0	43.0	45.5	48.2	48.5	48.8	45.2	44.4	43.2	40.5	39.2	37.0
11	31.0	32.5	34.5	37.2	40.0	43.5	45.2	45.5	44.4	44.4	44.8	44.0	43.0	42.5	40.3	38.2
12	34.8	39.0	42.2	44.0	48.4	50.0	51.2	52.1	52.2	52.2	48.4	45.1	41.3	38.7	37.5	37.0
13	37.9	45.5	46.0	49.0	49.3	46.0	43.5	39.7	37.2	38.2	37.5	38.0	37.0	38.0	36.5	35.0
14	36.0	36.5	37.5	38.9	42.0	46.4	50.2	53.0	52.3	50.2	47.3	45.0	43.1	42.0	42.0	40.9
15	38.8	45.2	44.2	44.0	43.3	46.0	46.2	46.0	47.0	47.5	47.3	47.3	45.4	44.2	43.0	41.5
16	38.5	40.0	40.2	41.0	45.2	45.0	44.8	46.2	43.9	44.8	41.4	41.3	42.0	42.0	40.9	40.2
17	36.5	36.2	36.0	37.0	39.2	39.2	38.5	41.0	42.1	40.2	38.7	38.0	36.0	35.2	37.2	34.8
18	33.8	37.3	42.0	45.0	45.5	47.3	50.0	50.4	51.0	49.2	48.2	46.1	45.0	43.2	41.8	40.7
19	37.0	40.2	44.0	47.0	48.8	51.2	51.2	52.5	50.0	49.0	42.8	42.2	41.5	42.1	39.3	38.5
20	35.8	38.1	43.0	46.3	50.4	52.0	51.3	50.1	50.5	45.0	43.4	38.9	39.9	39.0	38.8	38.5
21	35.0	37.5	39.9	49.5	48.1	49.0	49.7	50.0	47.5	44.8	42.2	40.4	39.5	39.0	37.5	37.0
22	35.0	37.7	39.5	40.9	42.0	40.5	42.5	44.2	45.1	43.1	39.9	40.1	37.0	37.2	35.5	35.2
23	34.0	40.0	42.9	43.5	44.0	46.1	41.9	40.2	40.2	38.0	39.1	39.1	38.4	37.0	35.9	35.1
24	32.0	36.3	38.1	40.3	40.2	41.0	42.0	42.7	41.0	40.0	39.1	36.0	37.0	36.1	35.1	34.5
25	33.0	34.0	34.8	35.0	34.9	36.2	36.1	35.4	35.3	36.2	37.5	36.2	35.2	34.3	35.0	34.1
26	33.9	34.3	35.3	39.1	40.7	42.0	42.2	44.9	44.6	43.0	43.6	39.0	38.9	36.8	36.6	35.9
27	33.0	33.6	37.4	38.0	38.0	43.2	46.1	42.9	45.0	43.2	41.9	40.9	38.4	35.2	35.2	32.2
28	31.1	34.0	34.1	38.1	41.5	45.9	47.7	50.1	48.0	48.0	45.1	43.2	41.0	38.9	38.0	37.9
29	31.1	36.0	39.8	41.2	43.0	46.7	47.0	48.1	47.5	47.2	44.8	43.4	41.0	39.0	38.1	36.5
30	34.1	35.7	37.7	43.6	46.0	47.5	47.1	46.2	39.0	39.2	40.3	39.8	38.0	37.0	35.2	35.1
31	32.7	35.3	37.2	39.2	42.3	45.5	48.1	51.0	50.7	49.2	49.5	47.1	45.3	44.1	41.8	40.0
Means.	34.7	37.4	39.6	41.9	43.6	45.7	46.7	47.1	46.4	45.1	43.4	42.1	40.8	39.5	38.4	37.3

COLORADO SPRINGS, SEPTEMBER, 1874.

PRESSURE.

[23 inches + the figures in the table.]

Date.	5.42 A.M.	7.00 A.M.	8.00 A.M.	9.00 A.M.	10.07 A.M.	11.00 A.M.	12.00 M.	1.00 P.M.	2.00 P.M.	2.42 P.M.	4.00 P.M.	5.00 P.M.	6.00 P.M.	7.00 P.M.	8.00 P.M.	9.07 P.M.
1	1.181	1.175	1.174	1.186	1.185	1.172	1.162	1.144	1.134	1.112	1.130	1.207	1.211	1.213	1.253	1.253
2	1.356	1.357	1.363	1.360	1.348	1.355	1.333	1.357	1.347	1.347	1.335	1.337	1.338	1.383	1.398	1.404
3	1.420	1.423	1.416	1.418	1.408	1.398	1.372	1.364	1.346	1.338	1.331	1.331	1.331	1.334	1.327	1.333
4	1.242	1.228	1.228	1.213	1.204	1.190	1.174	1.170	1.162	1.158	1.160	1.170	1.180	1.186	1.205	1.212
5	1.210	1.202	1.198	1.208	1.195	1.193	1.179	1.155	1.153	1.141	1.133	1.143	1.135	1.152	1.164	1.172
6	1.175	1.171	1.177	1.172	1.172	1.164	1.149	1.137	1.114	1.114	1.108	1.105	1.103	1.109	1.120	1.140
7	1.150	1.148	1.164	1.164	1.168	1.166	1.158	1.152	1.138	1.118	1.112	1.114	1.111	1.131	1.166	1.170
8	1.137	1.129	1.121	1.114	1.094	1.070	1.057	1.059	1.041	1.039	1.027	1.041	1.055	1.062	1.054	1.032
9	0.950	0.939	0.940	0.926	0.926	0.906	0.884	0.866	0.854	0.839	0.852	0.852	0.868	0.892	0.914	0.936
10	1.137	1.145	1.169	1.147	1.141	1.105	1.084	1.040	1.020	1.007	0.989	0.983	0.975	0.975	0.997	0.983
11	0.951	0.945	0.966	0.974	0.956	0.956	0.968	0.946	0.928	0.930	0.985	1.023	1.056	1.082	1.146	1.164
12	1.240	1.253	1.244	1.254	1.258	1.243	1.217	1.208	1.180	1.170	1.168	1.170	1.180	1.191	1.209	1.211
13	1.125	1.135	1.126	1.126	1.107	1.103	1.079	1.081	1.101	1.129	1.124	1.124	1.126	1.136	1.197	1.215
14	1.338	1.354	1.337	1.350	1.348	1.336	1.317	1.294	1.281	1.261	1.251	1.263	1.275	1.287	1.300	1.294
15	1.240	1.217	1.212	1.197	1.186	1.168	1.147	1.133	1.088	1.076	1.066	1.052	1.046	1.055	1.057	1.053
16	0.994	1.001	1.004	1.000	0.983	0.963	0.927	0.942	0.939	0.944	0.957	0.949	0.983	1.041	1.057	1.071
17	1.069	1.048	1.031	1.027	0.999	0.967	0.948	0.900	0.851	0.829	0.823	0.825	0.835	0.858	0.900	0.944
18	1.027	1.061	1.075	1.112	1.114	1.114	1.124	1.138	1.144	1.154	1.162	1.182	1.212	1.217	1.222	1.230
19	1.225	1.213	1.201	1.199	1.186	1.177	1.165	1.155	1.125	1.115	1.115	1.115	1.117	1.144	1.146	1.150
20	1.122	1.139	1.141	1.147	1.141	1.131	1.117	1.098	1.096	1.094	1.104	1.130	1.152	1.185	1.203	1.217
21	1.246	1.244	1.246	1.227	1.215	1.218	1.182	1.165	1.152	1.162	1.163	1.170	1.173	1.187	1.214	1.229
22	1.201	1.208	1.208	1.206	1.212	1.218	1.207	1.218	1.220	1.198	1.178	1.196	1.200	1.202	1.203	1.209
23	1.215	1.223	1.231	1.231	1.239	1.235	1.222	1.225	1.213	1.192	1.203	1.197	1.209	1.213	1.225	1.227
24	1.184	1.180	1.177	1.176	1.172	1.166	1.144	1.131	1.111	1.110	1.096	1.099	1.103	1.105	1.109	1.117
25	1.059	1.048	1.051	1.070	1.034	1.034	1.018	1.014	1.001	1.003	1.013	1.011	1.024	1.046	1.094	1.114
26	1.327	1.343	1.350	1.360	1.361	1.357	1.344	1.310	1.296	1.282	1.282	1.293	1.299	1.309	1.319	1.337
27	1.360	1.360	1.358	1.372	1.363	1.353	1.337	1.323	1.303	1.309	1.291	1.293	1.308	1.316	1.318	1.316
28	1.284	1.282	1.275	1.278	1.264	1.252	1.242	1.232	1.218	1.208	1.195	1.198	1.202	1.206	1.226	1.228
29	1.261	1.275	1.287	1.281	1.274	1.270	1.270	1.251	1.251	1.241	1.243	1.246	1.250	1.256	1.278	1.283
30	1.277	1.288	1.295	1.287	1.280	1.278	1.262	1.229	1.221	1.221	1.215	1.204	1.202	1.194	1.206	1.215
Means	1.190	1.191	1.192	1.193	1.184	1.175	1.160	1.148	1.134	1.128	1.127	1.134	1.142	1.156	1.174	1.182

COLORADO SPRINGS, SEPTEMBER, 1874.

TEMPERATURE.

Date.	5.42 A.M.	7.00 A.M.	8.00 A.M.	9.00 A.M.	10.07 A.M.	11.00 A.M.	12.00 M.	1.00 P.M.	2.00 P.M.	2.42 P.M.	4.00 P.M.	5.00 P.M.	6.00 P.M.	7.00 P.M.	8.00 P.M.	9.07 P.M.
1	58.5	69.0	74.0	77.0	81.0	84.0	87.0	85.5	85.0	85.5	79.5	68.0	66.5	65.5	64.0	63.0
2	50.0	50.0	49.5	50.0	50.5	49.0	50.5	50.0	48.0	48.0	49.0	47.0	47.0	45.0	44.0	44.5
3	40.0	41.0	44.5	43.0	45.0	45.5	47.5	49.5	51.0	50.0	50.5	47.0	46.0	45.0	44.0	44.5
4	41.0	45.5	47.5	53.5	60.5	66.5	70.0	71.5	73.0	73.0	73.0	72.0	67.5	61.5	58.0	55.0
5	46.5	56.0	61.0	67.0	70.5	73.0	74.0	76.0	76.0	77.0	76.5	76.2	71.5	63.0	60.5	57.0
6	50.0	63.5	65.2	70.0	76.0	78.0	79.5	80.0	81.0	82.0	82.0	80.0	75.0	68.2	63.0	59.0
7	51.0	61.0	65.0	72.5	76.0	79.0	79.5	80.0	81.2	81.0	80.0	79.0	74.0	68.0	66.0	64.5
8	53.0	56.0	59.0	63.5	69.0	74.0	77.5	77.5	77.5	76.0	75.0	71.5	68.0	65.0	63.0	61.5
9	48.5	56.0	60.2	66.5	72.0	78.0	80.5	83.0	85.0	83.5	84.5	84.0	78.0	70.5	69.5	68.0
10	48.0	56.5	58.0	62.0	65.0	67.0	69.2	71.0	71.5	71.5	71.0	70.0	65.5	62.0	62.0	59.5
11	49.0	63.0	65.5	73.5	78.0	80.0	79.0	81.5	81.5	79.0	71.0	68.5	65.0	62.0	60.0	57.0
12	42.0	44.0	52.0	57.5	61.0	64.0	65.0	65.5	65.0	66.0	66.0	64.5	59.0	56.0	54.5	54.0
13	50.0	50.5	53.5	56.0	58.0	60.5	62.0	62.0	57.0	48.5	52.0	54.0	55.0	54.5	52.0	52.5
14	46.0	45.5	46.0	48.5	54.0	57.5	57.0	57.5	59.0	59.5	59.5	58.0	55.0	52.0	51.5	50.0
15	39.0	41.5	45.0	50.2	57.0	60.5	64.0	68.2	72.0	72.5	72.0	72.0	70.5	66.0	61.0	58.0
16	58.0	63.0	67.0	69.0	73.0	74.5	74.0	73.0*	71.0	71.5	67.0	67.5	64.5	59.0	55.0	53.5
17	47.0	52.5	52.0	55.0	56.0	58.0	64.0	68.0	71.2	73.0	75.0	74.5	70.5	64.5	62.0	57.0
18	43.5	43.0	48.0	44.5	45.0	46.5	48.0	48.0	47.5	47.5	46.5	46.5	44.0	42.0	40.0	39.0
19	29.0	32.5	42.0	42.0	50.0	56.0	59.5	61.0	61.5	61.5	62.5	61.5	56.5	52.0	49.0	45.0
20	41.0	48.5	53.0	58.0	60.5	64.0	66.5	68.5	69.5	70.0	68.5	65.0	63.0	59.5	55.0	53.0
21	42.0	45.0	47.0	54.0	56.5	61.0	65.0	66.5	66.5	65.5	66.5	65.0	60.5	57.0	56.0	56.5
22	52.5	51.5	52.0	52.0	48.0	47.5	47.0	44.0	44.0	48.0	49.0	49.5	47.5	48.0	46.0	46.0
23	49.0	50.5	53.5	53.5	57.0	58.5	60.0	60.0	62.0	63.0	60.0	60.0	57.0	52.0	50.5	49.5
24	42.0	44.0	48.2	51.5	57.0	60.0	62.0	63.0	65.0	65.0	64.0	62.0	58.0	55.0	52.5	49.5
25	42.0	44.5	51.0	55.5	71.0	72.0	73.0	74.0	75.0	75.5	74.0	73.2	65.0	64.0	60.0	59.0
26	47.5	50.0	52.0	54.0	55.5	57.0	58.0	62.0	64.0	63.5	62.2	61.0	57.0	53.0	51.0	48.0
27	39.0	44.5	51.5	59.0	63.5	67.0	69.0	69.5	70.5	71.0	70.2	68.0	61.0	57.0	54.0	52.5
28	43.0	45.0	55.0	61.0	66.0	69.5	73.0	74.5	77.0	77.5	77.0	75.0	66.0	63.0	57.0	54.5
29	48.2	50.0	60.0	67.0	72.0	73.5	75.0	76.0	76.5	76.0	76.0	73.7	65.2	60.5	56.0	51.5
30	43.0	48.0	55.0	64.0	67.0	69.5	74.0	75.0	75.0	73.0	72.5	69.0	65.0	60.0	54.2	52.5
Means.	46.0	50.4	54.4	58.4	62.4	65.0	67.0	68.1	68.7	68.5	67.7	66.1	62.1	58.4	55.7	53.8

* Recorded as 63°.

PIKE'S PEAK, COLORADO, SEPTEMBER, 1874.

PRESSURE.

[17 inches + the figures in the table.]

Date.	5.42 A.M.	7.00 A.M.	8.00 A.M.	9.00 A.M.	10.07 A.M.	11.00 A.M.	12.00 M.	1.00 P.M.	2.00 P.M.	2.42 P.M.	4.00 P.M.	5.00 P.M.	6.00 P.M.	7.00 P.M.	8.00 P.M.	9.07 P.M.
1	1.045	1.044	1.061	1.077	1.095	1.095	1.089	1.087	1.087	1.081	1.083	1.076	1.070	1.059	1.072	1.067
2	1.019	1.011	1.001	1.003	1.000	0.991	0.994	0.998	0.976	0.969	0.963	0.965	0.955	0.957	0.969	0.966
3	0.939	0.938	0.945	0.934	0.938	0.929	0.917	0.929	0.922	0.916	0.905	0.910	0.911	0.913	0.915	0.920
4	0.922	0.930	0.953	0.968	0.975	0.975	0.971	0.976	0.972	0.980	0.985	0.984	0.987	0.992	1.002	0.993
5	0.975	0.981	0.984	0.995	1.009	1.011	1.012	1.012	1.009	1.003	1.001	1.004	0.998	1.003	1.012	1.013
6	1.007	1.016	1.020	1.030	1.031	1.031	1.032	1.031	1.029	1.027	1.021	1.017	1.011	1.011	1.028	1.026
7	1.037	1.039	1.038	1.045	1.045	1.048	1.041	1.037	1.029	1.029	1.015	1.015	1.011	1.007	1.021	1.015
8	0.941	0.943	0.949	0.950	0.943	0.946	0.943	0.941	0.934	0.926	0.920	0.913	0.911	0.904	0.905	0.904
9	0.795	0.801	0.800	0.809	0.831	0.810	0.789	0.793	0.811	0.824	0.838	0.839	0.848	0.857	0.847	0.857
10	0.879	0.893	0.900	0.901	0.897	0.893	0.877	0.872	0.855	0.852	0.841	0.827	0.814	0.827	0.838	0.830
11	0.767	0.755	0.796	0.818	0.851	0.858	0.863	0.872	0.865	0.866	0.861	0.857	0.863	0.870	0.890	0.892
12	0.876	0.890	0.889	0.909	0.910	0.911	0.900	0.903	0.907	0.904	0.898	0.896	0.895	0.897	0.914	0.916
13	0.827	0.828	0.829	0.835	0.832	0.830	0.824	0.832	0.821	0.823	0.820	0.822	0.847	0.853	0.870	0.892
14	0.934	0.942	0.952	0.951	0.954	0.956	0.959	0.956	0.953	0.957	0.953	0.956	0.964	0.966	0.970	0.962
15	0.937	0.957	0.965	0.963	0.973	0.962	0.956	0.946	0.951	0.953	0.929	0.927	0.913	0.927	0.918	0.911
16	0.833	0.802	0.771	0.771	0.790	0.784	0.768	0.740	0.719	0.735	0.727	0.762	0.795	0.798	0.806	0.811
17	0.728	0.732	0.728	0.720	0.713	0.718	0.713	0.711	0.713	0.702	0.716	0.723	0.725	0.728	0.735	0.716
18	0.676	0.697	0.696	0.709	0.706	0.717	0.736	0.737	0.746	0.755	0.760	0.777	0.779	0.788	0.795	0.795
19	0.804	0.818	0.826	0.832	0.843	0.844	0.847	0.850	0.847	0.842	0.841	0.826	0.836	0.843	0.846	0.847
20	0.816	0.849	0.869	0.877	0.881	0.876	0.879	0.875	0.871	0.873	0.888	0.894	0.897	0.898	0.905	0.898
21	0.878	0.886	0.899	0.907	0.927	0.933	0.921	0.924	0.925	0.920	0.935	0.928	0.931	0.931	0.939	0.933
22	0.888	0.889	0.886	0.882	0.878	0.870	0.865	0.859	0.862	0.858	0.854	0.854	0.857	0.860	0.855	0.854
23	0.863	0.875	0.877	0.882	0.890	0.890	0.901	0.894	0.899	0.896	0.893	0.900	0.898	0.899	0.909	0.914
24	0.888	0.906	0.895	0.907	0.917	0.912	0.918	0.899	0.899	0.898	0.883	0.885	0.877	0.882	0.888	0.889
25	0.847	0.840	0.843	0.855	0.861	0.867	0.866	0.877	0.879	0.889	0.892	0.905	0.908	0.923	0.928	0.944
26	0.963	0.968	0.990	1.001	1.008	1.017	1.021	1.019	1.029	1.024	1.017	1.023	1.025	1.041	1.039	1.055
27	1.065	1.075	1.086	1.091	1.095	1.083	1.090	1.085	1.087	1.082	1.079	1.079	1.068	1.076	1.084	1.091
28	1.044	1.053	1.067	1.069	1.064	1.054	1.066	1.053	1.063	1.064	1.063	1.052	1.044	1.062	1.069	1.057
29	1.054	1.061	1.072	1.084	1.084	1.089	1.078	1.073	1.072	1.073	1.071	1.072	1.065	1.068	1.075	1.067
30	1.047	1.055	1.061	1.059	1.069	1.069	1.080*	1.063	1.040	1.032	1.036	1.028	1.029	1.031	1.025	1.037
Means.	0.910	0.916	0.922	0.928	0.934	0.932	0.931	0.928	0.926	0.925	0.923	0.924	0.924	0.929	0.936	0.936

* Recorded as 1.100.

PIKE'S PEAK, COLORADO, SEPTEMBER, 1874.

TEMPERATURE.

Date.	5.42 A.M.	7.00 A.M.	8.00 A.M.	9.00 A.M.	10.07 A.M.	11.00 A.M.	12.00 M.	1.00 P.M.	2.00 P.M.	2.42 P.M.	4.00 P.M.	5.00 P.M.	6.00 P.M.	7.00 P.M.	8.00 P.M.	9.07 P.M.
1	34.1	37.1	39.0	43.9	48.5	50.1	50.0	51.1	49.8	49.0	46.7	45.2	42.0	39.2	38.5	36.5
2	32.6	32.5	32.3	32.5	33.5	33.0	33.0	32.0	31.5	31.4	31.1	31.0	30.9	30.0	30.0	28.1
3	24.0	24.2	25.0	25.2	25.9	26.7	25.8	28.0	29.4	29.9	28.4	24.5	23.0	22.0	21.6	21.5
4	27.5	28.0	29.0	31.4	33.0	32.2	33.0	34.3	35.0	35.2	34.7	33.5	34.0	32.3	31.2	29.7
5	25.0	29.2	31.8	35.4	41.2	45.9	45.3	41.0	41.0	42.3	40.0	42.0	38.0	36.0	34.9	33.2
6	30.3	34.0	37.5	39.9	45.2	48.4	47.3	47.1	46.1	46.2	44.8	43.3	41.0	38.4	36.6	35.9
7	35.0	39.5	40.9	43.1	43.7	45.1	44.9	46.4	43.9	43.0	41.3	41.1	39.0	38.6	37.7	37.2
8	32.0	33.8	34.7	36.0	37.0	38.5	39.9	40.2	39.2	39.2	39.0	37.0	36.2	35.3	36.1	35.8
9	32.0	37.1	38.8	41.3	41.1	42.2	46.8	46.1	46.0	46.0	45.4	44.2	43.9	41.8	37.5	35.2
10	28.1	31.8	33.5	36.0	38.2	40.0	41.2	42.1	41.6	40.1	42.7	39.8	36.9	34.8	32.9	32.9
11	29.2	31.0	33.8	35.3	39.1	42.7	44.2	45.2	45.5	45.4	36.1	32.5	29.0	33.1	30.8	29.0
12	22.0	24.2	27.3	30.3	30.0	30.7	32.9	34.8	35.4	35.7	34.2	36.2	35.8	33.0	30.1	29.1
13	26.0	27.6	28.0	26.8	28.3	28.3	27.0	27.9	25.1	24.0	23.0	23.2	20.2	21.0	22.1	23.0
14	21.5	23.5	26.2	27.2	28.0	29.3	32.0	32.2	28.8	28.9	29.2	30.0	28.1	28.0	27.3	26.8
15	24.0	25.2	27.3	28.0	29.5	35.0	41.6	39.1	38.8	38.0	37.7	37.2	34.2	32.2	31.2	30.7
16	26.3	27.0	27.1	31.0	31.7	36.2	34.4	29.9	31.2	27.9	27.0	26.2	23.3	22.6	22.2	22.9
17	19.4	21.9	23.5	28.2	29.0	31.8	34.2	35.2	35.1	35.1	35.0	33.4	31.4	29.7	28.3	25.2
18	19.2	19.9	17.2	17.2	15.5	16.3	18.4	18.9	21.0	20.0	20.1	18.5	18.0	16.1	16.6	16.0
19	15.1	17.1	19.9	21.6	26.3	28.2	32.0	33.1	30.0	33.0	32.2	28.8	26.2	25.0	25.0	24.5
20	22.7	25.5	28.0	32.0	34.2	37.2	38.2	39.0	37.9	36.3	31.1	28.8	26.0	26.0	25.5	24.6
21	21.7	24.0	26.0	31.0	33.0	36.2	32.9	32.0	31.0	26.0	31.4	28.1	29.0	27.1	25.9	25.0
22	24.7	26.1	27.7	27.5	26.1	26.1	25.7	25.3	28.0	28.5	27.0	23.7	22.5	22.8	23.0	23.0
23	23.0	22.9	23.7	24.0	22.2	23.5	24.3	24.2	23.0	23.4	24.2	23.9	23.2	19.3	19.0	17.0
24	24.0	24.0	24.8	25.0	26.0	27.0	27.8	27.9	28.0	28.1	27.0	26.3	25.1	24.8	24.8	24.8
25	25.0	24.8	25.1	25.5	27.0	28.4	30.8	31.1	31.0	31.0	32.0	31.1	30.7	30.0	29.5	28.1
26	22.0	23.8	24.9	25.4	27.5	31.5	30.7	29.0	29.1	29.0	29.8	29.6	29.5	29.5	29.0	28.8
27	26.6	27.5	28.9	30.1	32.2	33.2	34.1	36.3	35.1	33.9	33.7	32.8	31.5	29.2	28.9	28.8
28	28.0	28.2	30.1	31.9	32.6	33.9	35.1	35.3	34.8	34.8	33.2	31.7	31.7	30.1	30.2	29.9
29	26.8	28.0	29.1	31.9	37.6	42.1	42.2	44.3	37.8	37.3	35.4	33.2	32.5	31.1	30.2	28.8
30	27.1	28.0	29.8	32.3	32.9	33.2	34.9	39.8	34.2	35.1	33.2	32.8	30.6	30.2	30.0	29.2
Means.	25.8	27.6	29.0	30.9	32.5	34.4	35.4	35.6	34.8	34.5	33.6	32.3	30.8	29.6	28.9	28.0

HOURLY WIND MOVEMENT AT PIKE'S PEAK.

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING JANUARY, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	25	25	20	30	40	45	45	40	30	30	35	25	30	30	30	35	40	40	40	40	40	35	40	40
2	35	30	30	30	30	25	30	30	30	25	30	30	25	15	15	15	20	25	15	20	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	20	15	15
4	15	10	15	10	15	10	10	15	15	10	5	5	5	15	20	15	15	10	15	15	10	10	15	15
5	20	20	25	25	25	25	20	15	[15]	[20]	[25]	[30]	35	40	35	30	30	30	30	20	25	40	35	30
6	35	35	40	40	40	40	30	30	30	30	25	30	25	20	20	25	25	25	20	20	30	30	25	25
7	25	35	35	40	40	40	40	45	40	45	35	40	30	20	25	30	35	25	20	20	30	35	35	40
8	40	40	45	45	45	45	45	40	45	40	35	40	35	40	30	40	40	35	30	30	30	25	25	30
9	30	25	25	30	35	30	35	35	40	40	35	20	20	25	30	35	25	25	20	20	15	20	25	25
10	25	30	30	35	35	40	35	35	30	25	25	25	28	23	16	21	22	22	22	20	22	13	12	15
11	15	16	15	12	12	11	12	12	13	12	15	18	24	23	24	24	23	22	24	31	32	36	40	40
12	37	38	37	34	31	29	30	25	23	19	24	22	30	25	30	30	30	30	25	35	30	30	30	35
13	30	35	35	35	35	35	35	35	35	35	35	40	45	40	40	45	35	35	35	35	30	30	35	30
14	30	30	25	25	15	10	10	10	5	10	5	0	0	0	5	0	0	0	0	0	5	5	5	15
15	10	15	10	15	10	10	10	15	10	15	15	15	15	25	20	25	30	25	20	15	15	10	15	20
16	10	15	15	20	15	20	20	20	20	30	45	35	35	40	40	40	45	45	45	50	45	20	45	45
17	45	35	30	30	30	25	25	30	25	20	25	15	20	15	15	20	20	25	20	15	20	15	10	10
18	15	10	10	15	10	5	5	5	5	5	10	15	15	20	15	20	20	20	15	10	10	5	5	5
19	5	10	5	10	5	5	5	10	15	5	5	5	20	20	20	20	10	5	5	10	10	10	10	15
20	15	15	20	15	15	10	10	15	15	20	25	30	25	30	20	25	25	15	15	15	20	15	15	15
21	25	20	15	15	10	5	10	5	10	5	10	10	10	10	10	10	5	10	10	5	10	5	5	10
22	5	5	5	5	10	10	10	15	15	10	15	20	20	20	20	10	15	15	15	25	25	25	30	45
23	40	45	40	40	40	40	40	40	40	40	35	40	40	35	35	45	45	45	45	40	35	30	30	30
24	30	30	20	20	30	30	30	25	30	25	30	30	21	20	19	18	13	13	12	12	11	10	10	14
25	13	12	14	19	26	25	20	15	14	17	19	14	7	8	4	3	4	5	7	11	15	19	17	16
26	17	19	17	14	13	9	5	4	3	1	4	5	8	10	14	16	18	22	33	39	29	40	45	43
27	42	33	19	26	25	26	22	20	21	23	22	18	20	21	23	26	22	18	15	11	12	12	16	22
28	25	25	32	37	34	27	22	18	22	20	17	20	22	24	25	22	19	19	17	15	15	13	21	23
29	25	33	38	38	39	40	42	43	44	38	32	36	35	30	35	30	25	25	25	20	20	15	5	5
30	20	15	20	20	20	20	25	20	10	10	15	10	15	10	15	10	10	10	5	0	0	5	0	5
31	5	0	5	5	5	5	5	5	5	5	0	5	2	5	8	8	8	5	6	5	3	3	5	5
Means	23.6	23.5	23.1	24.5	24.5	23.2	22.8	22.4	21.8	21.0	21.8	21.6	22.1	22.0	21.9	23.1	22.5	21.5	20.4	20.1	20.6	19.2	20.5	22.8

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING FEBRUARY, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	8	8	9	11	8	7	7	9	11	12	14	13	11	8	14	19	15	20	23	24	20	12	14	22
2	21	24	26	29	26	30	33	35	34	36	32	27	15	25	21	24	18	14	15	17	15	18	18	17
3	15	14	16	16	15	14	15	12	8	6	6	7	8	5	6	6	11	9	13	14	11	13	11	7
4	5	6	7	6	4	4	14	20	13	10	12	11	11	10	8	13	15	15	15	10	10	10	9	7
5	8	11	20	17	17	18	25	10	4	8	7	7	12	13	12	13	17	23	25	20	24	25	27	25
6	26	28	28	31	30	28	29	30	28	23	23	18	17	13	20	28	23	18	18	18	18	18	20	19
7	20	22	27	30	32	34	36	36	36	38	40	34	30	25	20	20	15	15	20	15	15	10	10	10
8	10	15	15	15	10	15	15	20	20	20	15	15	25	20	25	25	20	20	20	25	20	20	15	10
9	15	15	10	15	15	10	10	10	10	10	10	10	14	15	20	23	24	21	21	27	30	28	31	28
10	27	26	31	37	40	35	36	30	29	30	31	26	27	26	25	17	20	25	30	32	33	36	40	41
11	42	46	46	44	46	44	38	37	33	34	36	37	35	35	25	25	20	25	20	25	20	20	20	20
12	25	20	20	15	15	15	20	30	25	30	20	20	20	20	25	25	20	25	25	15	15	15	30	30
13	25	30	35	40	50	45	50	45	40	45	45	35	25	30	25	30	25	30	25	25	30	25	20	20
14	25	35	40	35	35	30	35	35	35	30	25	25	28	26	27	26	19	20	18	17	17	14	14	14
15	13	10	10	8	9	13	25	28	40	42	38	37	37	31	31	26	18	21	17	15	14	11	7	4
16	5	6	6	2	0	0	1	2	4	4	4	4	6	4	5	9	11	13	11	13	12	11	9	6
17	9	8	14	10	13	12	12	13	11	18	22	23	31	32	32	27	27	29	30	32	29	30	33	29
18	29	31	37	26	21	14	12	19	15	16	20	19	21	23	20	14	21	20	13	11	7	5	7	7
19	7	10	9	8	4	0	1	2	9	8	8	12	13	10	12	15	19	19	18	14	11	4	2	7
20	10	13	13	17	13	10	10	10	8	2	2	5	8	8	7	5	5	6	8	5	4	9	11	10
21	11	16	18	21	22	21	20	19	15	14	19	16	10	20	20	20	15	20	15	5	5	0	5	0
22	0	0	5	5	0	5	10	5	0	5	5	15	3	3	7	7	7	6	5	11	16	18	17	16
23	18	23	29	33	31	31	26	25	23	25	20	18	20	22	22	19	17	15	[19]	[19]	14	14	15	17
24	16	19	17	17	18	16	12	8	8	12	8	5	10	10	10	10	15	25	25	30	30	25	35	30
25	30	25	20	15	20	30	35	40	40	35	30	25	34	36	37	37	38	34	30	30	30	33	37	38
26	33	28	30	32	34	33	33	32	33	40	44	34	20	15	15	10	10	15	20	30	25	30	35	30
27	30	35	40	40	35	30	30	30	20	20	15	15	9	8	8	10	10	13	14	14	13	16	15	17
28	19	19	14	13	17	21	19	11	11	9	7	6	[4]	[3]	[5]	7	8	8	10	9	3	9	15	18
Means.	17.9	19.4	21.1	21.0	20.7	20.2	21.8	21.5	20.1	20.8	19.9	18.5	18.0	17.7	18.0	18.2	17.2	18.7	18.7	18.6	17.5	17.1	18.6	17.8

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING MARCH, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	25	27	26	23	22	25	24	21	23	34	41	40	40	40	45	40	40	40	40	40	40	40	35	40
2	35	40	40	40	40	40	40	35	40	35	35	35	30	30	25	20	25	20	20	20	20	20	20	20
3	20	20	15	20	15	15	15	20	20	20	30	30	25	25	20	25	30	25	35	35	30	30	20	20
4	20	15	15	15	15	10	15	20	15	20	20	20	22	24	23	19	13	12	14	15	24	23	28	19
5	20	16	13	12	13	12	14	18	16	21	18	16	18	14	10	13	16	16	13	17	16	13	9	9
6	11	6	3	6	13	22	25	26	30	31	25	15	21	18	15	14	17	21	20	21	27	28	26	23
7	24	32	37	39	34	33	31	28	25	22	17	18	17	21	21	25	24	25	24	24	20	16	17	21
8	29	38	42	41	42	45	44	48	50	48	42	42	35	30	30	30	30	35	35	35	30	35	40	35
9	40	35	30	35	35	40	35	35	40	40	40	40	30	30	20	20	20	15	15	20	20	20	15	15
10	20	20	15	15	15	15	15	20	20	15	20	20	20	24	27	24	22	21	17	15	12	15	13	14
11	15	20	29	31	29	28	28	23	15	14	13	13	7	6	12	16	16	14	11	9	8	12	12	14
12	17	19	18	15	13	13	11	6	6	8	11	12	14	16	20	21	18	18	19	20	23	32	32	32
13	39	36	38	41	34	20	16	27	20	16	14	13	17	18	14	17	13	15	20	12	14	11	10	13
14	14	14	11	15	16	17	17	18	11	11	14	12	15	13	10	10	13	17	15	15	12	9	12	13
15	25	32	34	29	23	23	26	21	23	24	23	22	22	19	13	13	20	23	21	24	25	25	25	24
16	24	21	20	21	23	22	16	21	31	31	28	28	23	18	17	10	12	11	10	17	20	22	25	30
17	20	13	8	8	9	13	15	14	8	8	17	22	27	33	36	29	22	14	20	22	20	27	26	28
18	23	23	19	19	17	18	14	15	12	11	10	9	7	6	8	8	8	7	7	3	5	6	6	5
19	8	13	17	19	23	24	24	25	26	25	27	31	30	21	28	27	29	26	17	12	9	6	8	9
20	9	13	15	15	16	14	12	11	8	10	11	12	12	13	14	15	15	14	16	18	17	17	17	12
21	19	18	15	13	13	12	15	17	17	12	11	14	11	11	12	11	15	14	12	9	7	8	8	10
22	12	22	28	29	26	25	23	36	35	30	26	20	15	13	9	7	5	6	2	3	6	4	2	6
23	10	7	7	7	6	3	11	11	11	10	9	11	10	8	10	9	9	7	6	5	7	9	11	11
24	8	8	7	8	8	16	21	23	27	24	24	24	20	25	16	13	17	18	13	19	14	16	15	13
25	12	10	9	9	8	14	12	6	3	5	9	12	20	15	15	10	15	20	25	30	30	25	25	25
26	25	30	25	20	20	20	10	10	5	5	5	10	13	18	23	23	20	23	22	24	20	21	18	14
27	13	14	16	15	16	14	32	37	43	31	21	22	15	12	12	16	14	13	14	11	10	11	9	10
28	19	26	32	35	37	38	36	28	28	25	24	24	22	21	18	15	17	20	19	15	21	19	17	15
29	13	15	14	15	15	15	15	22	29	30	30	27	28	23	19	20	21	17	17	19	18	17	15	13
30	13	14	12	11	13	12	12	17	14	12	12	11	17	24	22	19	25	22	21	17	14	15	18	15
31	15	14	13	8	8	5	4	8	7	6	5	5	5	8	4	5	6	9	8	7	5	5	6	7
Means.	19.3	20.4	20.1	20.3	19.9	20.1	20.3	21.5	21.2	20.5	20.4	20.3	19.6	19.3	18.2	17.7	18.3	18.0	17.7	17.8	17.5	18.0	17.4	17.3

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING APRIL, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	8	12	14	13	10	15	15	17	17	17	7	2	3	4	7	11	8	9	13	17	18	16	13	13
2	14	16	17	18	15	14	11	12	7	5	3	3	6	11	17	20	23	23	30	33	34	44	40	34
3	32	37	30	27	25	26	18	18	14	13	16	14	13	11	8	8	12	15	14	17	17	18	19	22
4	24	30	36	35	33	38	30	35	36	33	28	37	30	30	30	25	20	20	25	30	30	30	25	25
5	20	20	20	20	30	25	30	30	30	25	30	25	20	25	20	15	20	20	25	25	25	30	30	30
6	25	20	20	20	15	15	10	10	15	10	5	10	9	6	6	12	11	8	13	12	11	10	9	6
7	3	4	5	3	4	11	7	5	4	3	2	5	5	5	9	17	20	22	23	23	22	21	24	27
8	24	22	19	19	17	15	19	21	20	20	19	18	18	20	16	11	11	10	9	9	9	7	8	9
9	8	9	8	7	8	9	14	16	20	16	14	11	5	5	6	5	8	10	11	15	15	16	16	15
10	16	13	16	14	10	7	7	6	7	3	1	2	2	5	9	13	15	15	15	18	21	22	24	26
11	23	21	24	26	27	22	16	15	16	12	14	13	15	20	27	23	16	16	15	16	24	28	25	24
12	31	38	34	28	20	5	4	5	5	9	7	11	12	11	16	19	20	18	22	21	17	21	20	18
13	22	26	31	37	42	39	35	33	40	33	34	33	25	35	25	25	25	25	25	25	25	25	25	25
14	20	25	20	15	20	15	15	15	15	10	5	10	6	7	7	8	2	0	4	9	15	15	16	16
15	16	14	14	16	21	20	23	25	27	27	23	25	19	18	20	16	13	11	10	11	10	10	5	5
16	4	6	3	5	6	3	8	10	7	4	3	5	8	5	2	1	0	[1]	[2]	[3]	[4]	[5]	[6]	[7]
17	[8]	[9]	[10]	10	11	11	12	12	14	11	10	8	6	8	5	5	5	4	3	[3]	4	7	13	14
18	14	19	17	23	20	22	17	15	14	14	15	16	9	6	2	4	4	7	11	14	12	7	6	5
19	7	9	9	10	17	24	20	18	23	21	19	15	10	11	13	17	17	20	19	17	19	20	16	15
20	11	11	3	9	6	4	6	8	7	11	12	19	19	17	18	22	24	22	22	20	18	17	16	11
21	5	5	3	3	2	1	1	5	4	7	7	12	13	12	15	19	16	9	13	10	7	2	1	1
22	0	2	4	2	2	3	3	4	3	7	6	1	1	2	4	4	9	11	16	14	12	11	12	16
23	22	19	18	22	21	21	24	27	27	22	17	19	15	14	13	16	20	19	21	24	27	29	28	29
24	29	33	33	31	28	31	27	25	22	12	5	11	12	11	15	16	13	17	17	25	25	24	22	19
25	21	18	17	18	22	23	24	21	7	8	16	18	22	26	31	33	32	29	28	27	29	30	34	39
26	40	49	48	45	44	40	37	32	27	25	25	22	20	20	20	15	10	15	15	15	15	20	20	30
27	30	25	25	35	40	30	30	20	20	15	15	15	15	14	15	14	17	14	16	17	20	21	18	20
28	20	23	19	23	20	18	16	15	13	9	11	15	15	15	19	19	20	20	18	15	14	11	11	14
29	16	24	25	25	22	20	17	15	16	13	9	5	10	14	16	16	17	17	17	16	18	22	26	30
30	38	40	37	41	42	34	23	23	22	23	17	23	27	32	35	32	28	18	18	25	41	50	56	48
Means.	18.4	20.0	19.3	20.0	20.0	18.7	17.3	17.1	16.6	14.6	13.2	14.1	13.0	14.0	14.9	15.4	15.2	14.8	16.3	17.5	18.6	19.6	19.5	19.8

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HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING MAY, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	47	46	40	47	45	48	43	43	43	42	26	27	21	24	20	18	20	22	24	33	26	19	13	16
2	14	10	13	16	26	31	34	39	35	30	24	22	22	27	33	35	34	32	32	31	35	37	40	44
3	47	54	52	49	44	38	28	25	35	34	26	17	21	21	18	16	16	18	17	18	12	12	13	
4	19	15	8	13	13	14	14	14	13	11	12	14	13	14	14	15	16	14	15	16	25	29	28	25
5	22	18	19	20	19	18	19	18	14	13	14	11	9	13	16	16	13	11	17	18	12	11	11	7
6	8	9	9	11	12	7	5	4	2	1	1	4	5	4	4	4	7	10	15	14	18	20	17	18
7	24	31	31	30	29	29	31	31	32	36	22	18	13	17	16	19	20	24	24	25	28	26	26	21
8	24	26	23	23	14	19	18	27	28	29	24	19	25	30	27	31	31	31	36	36	31	26	21	19
9	15	14	14	16	15	14	20	18	11	12	12	21	34	35	31	36	32	41	44	44	50	40	31	27
10	23	23	19	20	15	17	33	29	22	12	7	12	17	19	19	20	16	12	13	14	12	14	12	12
11	17	13	12	13	13	13	16	10	7	8	10	8	12	11	10	6	1	8	6	7	9	8	7	8
12	8	6	5	6	5	5	8	5	9	16	16	17	17	16	19	15	15	14	13	17	20	14	19	16
13	14	11	13	10	8	13	19	15	24	28	26	25	21	20	21	15	13	19	20	15	12	12	17	20
14	29	30	28	24	22	19	14	8	4	8	11	14	17	31	21	21	14	17	17	20	27	28	21	22
15	28	28	23	23	20	16	17	19	16	10	6	9	12	15	14	13	14	17	15	19	18	14	11	15
16	15	17	26	31	29	25	21	19	13	11	7	7	8	6	10	5	6	6	5	11	10	8	10	12
17	16	18	14	17	14	12	10	10	10	7	5	3	3	7	5	8	9	7	7	12	10	8	5	5
18	7	4	6	8	9	11	10	10	9	8	4	3	6	12	9	7	9	8	12	8	3	4	8	8
19	10	10	11	10	4	3	1	1	1	1	2	1	5	9	6	7	1	4	7	7	4	4	7	8
20	12	10	6	6	5	7	7	6	4	1	2	5	4	5	11	9	10	18	12	16	21	18	17	18
21	17	18	20	21	17	16	14	13	11	11	13	12	9	15	11	16	18	27	16	18	13	8	7	9
22	17	14	15	18	19	18	17	14	10	9	4	3	3	6	9	5	5	6	5	2	4	6	6	5
23	10	12	14	15	18	14	12	11	8	6	3	3	2	6	6	13	12	12	16	14	13	10	12	12
24	10	12	13	15	16	11	6	2	2	1	3	1	4	3	4	7	7	6	3	5	9	9	9	6
25	3	2	2	3	5	8	6	6	6	8	6	8	8	7	16	11	12	13	13	17	11	11	12	13
26	13	19	20	17	16	10	9	6	8	7	7	7	12	11	18	14	16	18	20	22	27	30	35	33
27	30	36	36	39	38	45	42	40	33	27	24	23	19	22	25	28	34	32	31	40	48	44	51	52
28	40	43	40	45	50	54	47	30	42	42	25	21	33	37	40	43	41	37	37	45	45	40	35	40
29	30	20	25	20	20	15	20	21	23	27	20	17	20	24	24	20	17	12	18	35	16	19	7	[10]
30	12	[8]	[9]	[10]	[10]	[11]	11	7	10	13	11	14	15	9	11	11	7	14	19	23	22	18	17	17
31	19	15	15	12	8	11	14	18	24	25	20	24	23	17	18	37	35	29	24	21	17	13	13	11
Means.	19.4	19.1	18.7	19.6	18.6	18.5	18.3	16.7	16.4	15.9	12.7	12.6	14.0	15.9	16.4	16.9	16.2	17.3	17.9	20.1	19.8	18.1	17.3	17.5

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING JUNE, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	19	14	15	13	15	14	13	22	15	13	15	16	15	22	27	28	27	25	24	20	23	31	40	36
2	34	32	17	13	12	9	8	5	3	6	11	16	15	16	19	17	18	20	20	16	12	12	8	15
3	13	15	17	18	23	23	24	22	23	19	14	16	21	24	32	40	36	22	30	22	25	29	28	24
4	22	30	29	24	27	31	29	35	33	31	31	25	22	19	16	24	24	25	31	22	20	23	26	30
5	33	31	32	33	35	40	44	40	30	24	19	20	23	25	31	32	34	38	31	21	24	26	32	31
6	39	37	37	37	38	39	38	30	24	24	24	28	32	36	40	36	31	30	32	36	41	48	53	48
7	56	59	60	54	54	54	51	54	54	54	54	57	50	50	40	40	45	35	40	45	40	45	45	40
8	45	45	45	40	40	40	35	35	25	25	30	35	36	33	30	31	28	33	40	49	44	47	38	33
9	33	35	36	39	40	39	37	32	26	33	37	33	32	27	31	36	40	38	39	39	36	39	45	53
10	40	53	60	70	74	60	50	41	35	27	19	18	13	11	7	5	7	10	21	15	15	10	11	14
11	15	13	13	10	8	6	6	5	5	7	11	13	15	14	18	19	21	20	25	21	19	15	11	11
12	13	15	20	23	26	27	31	30	26	24	26	27	28	29	37	42	29	22	20	24	22	20	19	19
13	21	24	25	26	24	31	28	23	22	26	30	26	21	22	18	20	17	15	16	10	11	8	11	12
14	13	23	34	38	21	9	7	8	10	9	15	21	22	20	13	15	11	14	12	14	18	18	19	18
15	21	23	32	29	29	28	23	26	30	20	15	14	12	11	11	11	11	9	7	7	7	9	8	7
16	8	7	6	6	11	11	11	12	14	17	12	11	10	9	13	11	8	6	15	16	7	7	12	10
17	14	16	18	20	24	23	24	25	20	15	18	21	19	20	19	19	21	21	22	22	21	19	23	25
18	26	22	24	24	24	17	18	20	26	25	21	16	15	11	9	16	18	20	18	15	16	12	15	12
19	14	16	18	15	12	12	10	12	11	14	11	13	13	16	17	18	18	20	17	22	23	23	18	17
20	15	11	10	11	16	15	18	19	17	13	11	4	3	5	6	9	13	14	7	11	12	21	19	21
21	19	16	13	16	10	8	8	3	1	3	3	3	5	5	17	20	17	16	16	16	13	12	13	17
22	19	20	21	23	21	18	12	9	16	16	12	9	10	13	11	12	11	11	17	18	21	26	25	22
23	20	25	27	28	23	15	15	13	10	10	4	4	8	11	21	11	17	20	17	11	8	4	5	8
24	8	9	10	22	24	23	19	21	24	22	18	14	10	11	10	11	15	13	18	16	10	6	11	11
25	13	13	11	16	21	22	25	28	27	24	15	15	15	18	18	17	14	15	19	19	21	21	18	17
26	14	24	38	40	45	40	34	34	27	17	19	[19]	18	15	16	15	14	17	19	25	31	33	44	44
27	44	52	58	55	55	53	60	58	50	46	36	28	25	20	15	14	12	13	10	7	13	15	12	11
28	11	9	19	20	19	21	24	27	24	20	19	19	20	23	25	21	19	26	22	17	12	16	17	20
29	19	14	12	15	18	20	20	20	21	21	18	10	13	14	16	9	6	8	9	10	12	9	6	9
30	13	12	14	13	8	6	3	2	4	6	6	9	7	10	12	12	10	9	8	4	6	9	16	20
Means.	22.5	23.8	25.7	26.4	26.6	25.1	24.2	23.7	21.8	20.4	19.1	18.7	18.3	18.7	19.8	20.4	19.7	19.5	20.7	19.7	19.4	20.4	21.6	21.8

HOURLY WIND MOVEMENT
AT PIKE'S PEAK, COLORADO, DURING JULY, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	22	24	18	16	13	10	10	8	4	5	2	5	10	12	21	25	20	7	12	17	16	[14]	12	11
2	10	8	5	9	8	5	7	5	2	3	3	7	6	8	14	13	14	16	19	15	16	5	2	2
3	2	5	6	6	7	8	9	11	12	12	13	12	11	12	11	9	8	11	17	15	16	14	15	15
4	15	18	16	13	11	7	4	5	5	4	6	4	8	8	14	17	16	12	16	24	20	14	15	15
5	14	15	14	6	6	3	6	7	8	8	8	11	12	13	12	15	18	19	13	16	18	17	8	5
6	6	5	6	7	9	10	12	11	13	11	9	11	12	14	14	9	9	13	13	12	13	18	17	19
7	18	16	21	25	24	24	23	23	20	17	14	14	14	14	15	17	20	21	23	22	20	20	17	17
8	12	10	14	16	13	19	29	28	27	23	22	20	21	22	22	20	22	22	23	17	17	14	9	8
9	11	10	6	5	4	1	1	1	2	2	4	7	5	7	8	6	5	6	7	6	5	4	6	5
10	3	4	3	3	3	6	6	4	5	5	4	4	6	5	10	15	21	13	6	7	16	9	10	13
11	23	26	22	24	30	25	23	17	12	9	11	9	8	9	7	7	7	8	5	6	6	4	10	8
12	10	13	19	16	16	19	23	19	22	13	8	7	5	7	9	11	11	10	10	8	9	9	12	12
13	16	19	24	24	22	21	19	16	15	16	17	20	18	17	17	18	11	17	9	10	6	7	8	17
14	22	16	7	1	3	3	5	6	5	5	4	7	8	14	13	12	4	4	6	4	6	18	19	14
15	14	16	10	8	10	11	12	12	12	12	12	13	13	9	12	11	9	7	6	8	10	8	9	7
16	3	2	4	3	4	4	4	4	4	3	5	3	4	3	5	6	2	4	7	6	15	9	6	5
17	5	6	3	4	7	4	3	4	5	2	6	8	7	6	7	12	12	22	29	28	30	26	25	25
18	25	25	29	28	27	19	16	10	2	4	4	6	5	7	9	10	10	11	15	15	15	16	16	12
19	13	13	19	18	13	10	8	7	7	8	7	7	9	8	6	13	16	15	16	16	21	22	13	22
20	23	26	24	21	27	24	21	14	9	7	4	5	4	5	8	13	12	13	15	13	17	13	13	13
21	18	24	26	29	25	19	9	10	8	7	7	7	13	10	6	10	5	11	13	14	9	11	14	14
22	16	15	13	13	15	17	18	16	15	15	11	5	6	7	7	11	8	9	6	7	5	9	7	2
23	3	6	9	11	14	14	14	11	5	7	6	6	8	15	16	16	18	18	18	20	21	25	26	21
24	18	18	24	25	26	26	30	30	25	21	16	12	10	8	9	9	8	11	14	15	13	20	13	11
25	14	23	24	21	19	18	12	14	9	4	5	6	9	16	16	12	13	12	17	18	21	17	12	6
26	10	9	9	11	13	13	16	18	18	18	20	21	18	25	26	26	30	30	26	27	30	30	33	30
27	30	29	29	29	26	27	19	14	15	10	9	7	6	5	6	9	9	13	14	13	21	21	14	9
28	5	5	2	2	3	5	4	5	5	3	7	8	9	8	12	10	10	12	11	11	13	11	13	13
29	15	15	15	12	10	11	12	8	7	5	7	7	4	5	9	10	12	10	15	13	8	7	4	6
30	7	5	6	8	9	13	15	12	8	6	9	10	12	15	17	16	14	13	14	33	32	24	26	28
31	25	23	24	25	21	21	19	20	26	30	28	22	17	17	22	15	19	19	14	9	7	15	16	15
Means.	13.8	14.5	14.5	14.2	14.1	13.5	13.2	11.9	10.7	9.5	9.3	9.4	9.6	10.7	12.3	13.0	12.7	13.2	13.8	14.4	15.2	14.5	13.5	12.9

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING AUGUST, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	16	16	18	19	18	22	23	17	19	19	16	15	11	13	20	21	17	16	15	15	13	18	17	17
2	15	14	11	7	10	12	10	9	7	7	7	7	10	9	10	10	7	7	7	11	9	6	9	5
3	4	6	3	1	1	5	10	10	8	10	10	10	10	12	13	15	22	26	25	22	36	35	26	22
4	34	42	39	43	44	41	38	42	41	39	32	28	19	16	22	37	37	23	19	22	19	15	19	25
5	34	44	44	39	41	33	30	24	20	20	17	11	9	8	14	21	18	17	23	22	33	18	15	9
6	7	7	9	8	7	9	6	3	5	4	5	9	9	10	15	18	18	23	21	21	24	28	23	22
7	24	25	28	27	26	26	22	12	8	7	7	11	10	13	17	17	20	20	24	23	24	27	29	30
8	27	24	27	25	23	22	21	22	19	8	8	9	8	6	14	25	21	16	17	17	20	26	31	19
9	20	20	14	19	25	21	22	20	18	16	17	14	14	14	11	17	16	17	21	21	33	35	32	34
10	42	46	48	48	52	48	35	30	30	27	28	28	23	18	20	27	26	22	24	22	26	34	31	30
11	42	38	41	39	33	24	24	23	24	22	20	18	17	17	16	16	11	11	11	8	10	13	11	9
12	8	7	5	9	11	11	9	8	10	14	16	13	13	10	15	15	17	16	18	13	9	13	13	15
13	15	14	13	13	12	10	6	4	4	3	4	4	6	13	14	13	11	12	15	16	19	27	20	18
14	19	17	12	12	14	18	17	14	11	8	5	5	6	7	6	7	7	7	4	5	6	4	4	2
15	2	0	4	6	6	6	4	1	2	4	2	3	2	5	6	6	7	9	10	11	10	15	23	24
16	25	25	24	23	23	23	22	12	7	6	9	5	6	6	7	7	8	4	4	8	5	4	6	8
17	4	8	7	9	9	11	11	11	9	9	12	12	16	14	17	21	28	22	21	22	19	22	27	29
18	31	35	33	38	42	40	40	38	37	36	36	31	22	19	16	19	22	17	12	8	9	3	2	11
19	17	16	20	24	27	27	26	23	18	12	8	9	11	10	10	10	21	16	8	14	18	28	22	27
20	28	29	25	22	26	24	23	17	11	8	8	9	11	9	11	19	26	20	15	17	15	15	10	9
21	9	10	11	11	23	17	18	23	20	10	5	4	5	8	12	13	17	20	22	22	19	18	14	10
22	7	5	5	5	5	8	4	3	3	8	10	14	16	13	7	14	7	6	12	15	7	9	7	10
23	7	5	4	4	2	2	1	2	4	3	4	4	6	4	9	12	12	6	9	10	7	9	9	7
24	11	13	12	11	11	11	11	9	6	5	10	17	17	20	22	20	14	22	25	24	25	25	31	23
25	32	39	35	36	35	37	28	23	17	15	21	17	30	30	24	16	16	23	22	18	14	18	21	31
26	33	28	18	10	12	13	11	8	5	3	3	6	8	8	9	8	13	16	13	10	9	14	8	5
27	5	9	15	16	8	8	8	9	15	14	21	23	17	12	15	18	23	26	25	29	20	12	8	10
28	11	8	8	9	8	13	10	13	10	7	3	6	9	11	11	10	8	7	6	6	4	5	7	8
29	6	4	5	5	9	9	11	9	7	10	10	11	12	13	12	14	15	16	23	25	19	19	19	14
30	12	14	15	16	18	14	9	9	12	10	9	11	10	22	37	43	36	30	28	28	28	29	29	27
31	25	22	21	24	29	27	26	23	19	10	6	11	11	10	10	7	8	5	10	7	12	15	17	16
Means.	18.5	19.0	18.5	18.6	19.7	19.1	17.3	15.2	13.7	12.1	11.9	12.1	12.1	12.3	14.3	16.6	17.1	16.1	16.4	16.5	16.8	18.0	17.4	17.0

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING SEPTEMBER, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	16	10	9	19	26	25	28	24	17	11	6	8	8	6	8	14	16	16	24	21	17	17	21	16
2	19	27	26	25	24	21	20	21	21	24	30	26	25	26	23	17	18	20	21	18	18	17	14	13
3	11	9	8	6	7	7	20	18	15	13	11	10	9	8	8	9	9	22	26	26	27	34	36	36
4	30	32	29	27	16	19	22	18	14	12	12	12	13	11	9	10	12	10	6	8	8	9	11	15
5	15	16	18	20	17	13	11	10	7	3	5	5	4	5	7	10	11	11	12	13	16	15	15	15
6	18	21	22	25	23	18	13	8	6	6	8	7	6	5	6	9	13	14	19	17	17	15	13	19
7	19	18	10	5	3	4	3	6	7	6	5	8	5	7	7	7	7	6	3	5	8	12	12	14
8	15	16	16	18	18	19	24	24	23	23	22	21	22	20	20	14	15	16	14	13	16	15	16	17
9	15	17	21	33	39	36	40	39	35	31	27	39	47	33	31	27	23	25	22	22	30	26	25	19
10	14	6	17	19	28	27	22	20	19	16	20	21	20	23	29	26	29	32	34	33	31	36	39	41
11	37	40	43	45	49	49	50	50	40	32	24	24	25	16	18	11	11	13	11	12	9	13	13	12
12	12	19	19	22	25	20	19	18	18	12	13	12	15	15	14	14	16	16	12	4	5	10	19	24
13	21	17	16	15	12	11	11	20	14	9	6	13	9	11	24	25	24	28	27	19	18	15	14	12
14	10	5	[5]	[5]	[5]	[5]	3	7	6	10	7	6	9	9	10	11	14	15	15	20	26	28	27	26
15	26	29	31	29	27	23	20	17	14	14	11	19	20	18	14	15	20	19	22	19	19	27	24	23
16	27	25	26	29	30	31	39	46	46	35	29	26	35	43	45	47	41	26	30	30	29	35	36	27
17	24	31	33	38	39	40	43	40	39	44	37	36	37	36	40	35	32	25	26	22	20	28	30	30
18	33	29	23	15	12	11	9	9	6	6	14	20	20	19	19	27	27	24	25	29	28	34	34	33
19	31	26	26	23	22	21	21	18	17	18	18	19	16	16	17	20	19	19	22	24	21	23	24	25
20	31	33	33	32	27	27	23	11	13	14	14	17	18	19	16	8	8	11	14	12	17	20	21	17
21	21	21	21	21	23	23	27	25	22	20	15	16	24	14	17	8	8	8	6	5	3	5	6	6
22	12	14	11	6	5	8	10	7	7	3	4	6	4	4	3	3	6	6	8	6	9	8	[5]	[5]
23	[5]	[5]	[6]	[7]	[8]	[9]	[10]	10	9	9	8	8	20	24	22	20	18	18	19	20	25	32	33	26
24	23	23	23	29	35	34	30	26	27	26	25	18	21	19	17	18	16	19	23	23	18	16	13	
25	13	11	18	21	26	26	32	27	26	28	16	10	13	11	11	13	15	9	12	9	20	28	22	28
26	32	24	13	15	13	16	20	22	17	14	14	12	14	18	16	16	18	14	17	18	18	20	23	24
27	18	17	14	17	17	16	14	14	11	9	7	5	9	10	9	7	6	10	7	9	10	9	9	11
28	8	6	10	14	14	13	15	11	8	8	8	8	6	6	7	7	11	14	17	17	16	17	16	16
29	19	18	15	16	13	12	11	10	9	6	4	6	7	6	6	8	10	8	9	8	5	4	2	9
30	12	9	9	6	6	9	12	13	11	11	10	10	5	4	3	6	5	5	9	10	7	8	9	12
Means.	19.6	19.1	19.0	20.1	20.3	19.8	20.7	19.6	17.5	15.8	14.3	14.9	16.2	15.4	15.9	15.4	15.9	16.0	17.1	16.4	17.2	19.3	19.5	19.5

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING OCTOBER, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	14	14	13	12	12	11	11	11	8	8	6	5	7	8	10	12	12	17	20	22	25	26	27	31
2	35	37	35	28	32	37	38	37	33	35	38	37	37	31	32	35	29	27	26	25	23	16	13	15
3	13	12	8	7	8	9	11	10	5	3	4	5	8	7	8	10	14	14	15	16	16	11	12	14
4	12	14	14	14	11	9	8	5	5	6	8	9	7	6	7	6	6	11	10	11	13	13	13	10
5	8	5	6	4	6	5	5	11	15	11	17	17	14	12	12	17	14	9	27	29	25	22	20	20
6	20	20	18	16	15	13	22	18	17	18	15	10	13	12	12	13	15	11	17	12	9	9	7	7
7	8	7	6	6	6	4	3	2	0	4	10	11	8	9	10	10	11	10	16	17	18	16	15	14
8	17	12	13	10	10	11	17	19	23	16	11	7	8	10	12	13	13	19	24	25	22	26	27	33
9	34	34	29	28	28	31	26	31	33	37	34	33	26	22	20	15	9	12	10	8	14	16	15	17
10	16	17	20	21	22	23	14	16	12	11	14	11	7	6	9	11	13	14	13	14	13	8	4	4
11	4	9	10	12	14	14	13	12	14	17	15	14	13	14	14	12	14	14	18	20	19	14	11	11
12	14	14	15	17	21	29	24	23	21	20	20	17	17	12	12	12	10	14	15	21	23	21	22	21
13	23	22	23	18	18	15	13	10	9	9	14	13	11	10	11	8	12	10	12	10	13	12	12	15
14	18	21	20	16	15	18	22	17	21	28	30	30	23	17	16	20	22	17	21	22	20	22	19	18
15	18	18	20	21	19	19	20	14	7	8	6	7	3	5	7	9	5	4	6	8	13	12	12	9
16	6	8	8	10	14	11	10	5	3	6	4	5	5	4	5	6	8	9	5	3	3	4	2	2
17	3	2	3	1	3	5	6	4	3	4	7	8	7	5	11	14	12	10	10	8	12	13	13	14
18	12	10	14	18	17	22	24	24	23	27	23	26	26	27	29	31	30	29	25	26	26	22	30	32
19	25	23	23	20	24	29	19	9	9	7	10	11	8	11	16	13	12	12	13	11	10	13	14	15
20	22	16	13	11	8	8	6	9	10	12	13	15	13	9	19	13	11	16	12	10	11	11	14	14
21	11	11	16	21	25	22	21	19	19	15	16	14	13	15	19	22	29	31	31	30	33	33	27	21
22	24	22	20	18	21	23	24	22	17	14	9	3	6	8	10	13	18	19	22	25	29	34	34	34
23	28	32	34	40	32	28	22	15	14	11	14	8	9	10	12	21	28	30	36	29	37	38	32	44
24	41	38	36	23	20	20	41	45	40	45	45	45	43	32	46	50	46	50	59	57	50	54	59	56
25	59	54	53	57	51	47	50	58	48	33	43	53	42	34	36	29	24	12	12	21	28	28	34	43
26	42	33	32	31	30	33	33	31	32	25	26	25	29	32	38	39	39	41	40	41	44	46	48	45
27	45	41	43	33	21	15	11	21	24	24	21	19	45	38	50	37	32	28	24	29	41	59	48	49
28	52	58	52	44	41	44	51	50	45	42	36	33	35	35	40	35	30	25	25	20	20	20	20	15
29	15	10	10	25	30	25	20	15	15	15	10	15	25	24	19	21	19	24	27	27	18	20	19	16
30	16	16	18	20	26	36	37	36	36	34	27	23	18	21	24	26	24	23	25	25	28	28	27	27
31	35	32	34	39	35	27	26	23	22	23	22	21	29	27	18	22	26	25	22	22	24	23	19	15
Means.	22.3	21.4	21.3	20.6	20.5	20.7	20.9	20.1	18.8	18.3	18.3	17.7	17.9	16.5	18.8	19.2	18.9	18.9	20.6	20.8	21.9	22.3	21.6	22.0

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING NOVEMBER, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	12	9	5	3	8	16	21	22	24	21	16	15	13	19	23	21	19	19	25	24	27	31	33	39
2	38	38	44	41	44	45	39	29	26	27	18	20	17	20	20	23	27	31	33	30	28	31	29	32
3	38	41	44	46	47	39	39	36	34	27	19	11	18	22	28	25	23	22	22	23	24	25	19	19
4	21	20	19	18	18	28	39	39	40	36	46	40	41	39	43	47	49	49	50	51	51	61	60	50
5	45	45	37	32	32	29	32	35	32	32	31	32	34	40	43	38	36	40	44	49	47	47	44	48
6	44	48	56	52	59	58	50	50	56	[54]	60	62	55	55	60	[64]	65	60	56	50	45	41	28	26
7	20	16	14	16	16	18	18	36	50	48	50	52	60	52	50	58	56	54	58	60	58	60	64	66
8	60	62	64	50	54	62	64	60	56	58	54	44	36	35	37	35	29	37	39	40	48	55	54	58
9	58	58	57	55	60	59	53	54	50	46	44	33	22	15	14	14	12	10	21	27	26	31	37	40
10	36	32	29	34	39	43	41	42	38	39	40	37	35	33	29	24	29	29	33	35	30	23	27	24
11	22	23	19	20	21	19	19	15	14	11	13	8	11	18	19	16	16	23	22	17	21	28	24	24
12	27	29	28	27	17	17	15	16	22	21	21	17	16	15	14	16	21	26	34	41	37	40	51	54
13	58	58	62	60	62	54	58	62	66	60	60	62	56	53	48	43	44	34	36	37	35	37	49	50
14	60	52	37	38	37	35	36	38	33	26	24	23	32	35	37	35	38	39	40	38	38	40	40	40
15	39	39	35	30	28	26	28	29	29	33	33	33	34	40	28	23	30	31	31	33	37	38	47	43
16	41	43	38	31	25	26	24	21	16	20	13	12	19	23	23	27	25	15	13	19	22	29	28	22
17	20	19	22	28	30	34	35	43	48	47	43	43	39	36	35	33	30	27	27	29	27	27	20	17
18	17	17	14	14	12	10	19	17	26	19	19	16	25	22	17	16	16	23	18	15	14	20	16	14
19	16	15	15	14	13	12	12	20	25	27	25	26	24	24	27	30	29	26	23	23	31	28	22	20
20	22	24	30	39	46	44	42	37	30	29	26	25	35	36	36	34	34	42	42	46	48	42	39	45
21	50	55	52	52	54	53	50	46	42	44	42	47	46	33	36	40	39	29	30	27	25	20	22	40
22	33	26	21	23	18	26	37	29	24	20	31	50	46	40	48	40	31	35	31	30	34	37	47	61
23	66	65	64	66	[65]	[60]	[60]	[60]	56	60	60	61	64	48	49	44	55	44	32	18	19	27	21	16
24	14	14	16	14	15	18	17	14	27	25	21	18	19	16	28	28	17	23	37	47	51	47	50	49
25	56	52	49	42	41	37	35	41	42	37	34	27	35	38	37	26	18	39	50	45	42	35	30	27
26	27	25	23	20	18	18	18	34	37	41	51	47	40	35	25	30	35	25	25	20	20	20	15	15
27	20	10	15	15	15	20	25	20	15	15	15	20	10	15	15	20	20	25	20	35	40	40	50	45
28	40	35	35	45	35	30	30	30	25	25	25	30	35	40	50	45	45	50	50	55	55	45	40	45
29	35	40	30	25	15	20	15	15	15	15	10	5	2	2	12	23	26	27	28	28	28	13	17	16
30	21	17	13	21	25	26	28	28	24	23	6	1	2	5	6	7	14	13	11	12	13	8	9	5
Means.	35.2	34.2	32.2	32.4	32.3	32.7	33.3	33.9	34.1	32.9	31.7	30.6	30.7	30.1	31.1	30.8	30.9	31.6	32.7	33.5	34.0	34.2	34.4	35.0

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING DECEMBER, 1874.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	3	3	4	2	2	1	1	1	1	0	1	2	30	35	35	35	35	40	40	40	40	50	55	50
2	55	50	50	50	45	35	40	45	45	50	45	40	40	30	20	20	10	15	24	20	14	15	12	13
3	12	11	19	32	32	30	31	33	32	30	36	33	30	37	34	35	39	36	38	42	39	37	37	31
4	27	32	22	20	22	20	14	12	12	16	15	5	9	16	17	23	25	19	20	17	21	19	22	23
5	26	29	26	22	22	24	29	27	25	21	18	19	19	25	23	25	31	29	31	32	22	24	27	25
6	28	27	26	28	33	37	35	36	35	33	37	32	30	25	20	15	20	25	20	25	25	25	30	30
7	30	30	25	30	25	25	30	20	20	25	25	25	25	25	20	20	25	25	30	30	35	35	35	40
8	45	50	55	55	55	55	55	55	45	30	20	20	20	15	15	15	20	25	25	25	30	30	35	30
9	30	35	35	45	40	35	35	35	40	40	45	40	35	35	40	40	35	35	35	35	40	40	35	30
10	25	25	25	25	15	20	20	15	10	10	10	10	25	35	30	25	25	30	25	25	25	25	20	25
11	20	30	20	20	10	10	15	15	15	15	10	5	0	0	2	6	7	7	4	4	4	3	9	13
12	14	12	13	13	11	12	12	22	20	32	30	24	20	15	20	15	15	15	15	10	0	5	5	5
13	10	5	5	10	10	10	5	10	10	10	5	5	3	5	6	7	7	8	11	9	9	10	11	13
14	22	26	26	20	18	19	14	12	14	22	23	15	31	34	35	32	31	25	20	14	23	26	24	23
15	23	22	21	16	11	9	9	7	10	9	0	1	14	16	24	26	40	40	35	35	35	35	35	35
16	30	20	20	20	15	20	20	15	15	10	15	15	15	15	15	10	10	5	10	10	5	10	5	5
17	0	5	10	10	10	10	20	15	15	10	10	15	10	14	15	13	14	16	23	32	40	36	26	22
18	17	18	18	17	17	16	15	16	15	14	15	11	7	4	5	7	8	6	6	10	13	12	8	9
19	10	9	9	8	8	6	2	1	4	7	1	5	10	14	10	9	11	12	17	17	17	21	20	20
20	28	37	44	50	51	50	47	42	39	35	35	36	25	25	25	25	20	15	10	10	5	10	10	20
21	20	20	20	25	30	20	30	25	30	35	25	25	20	25	25	25	35	45	30	30	35	30	35	30
22	30	30	30	35	30	40	50	50	50	50	50	50	55	45	45	40	40	35	35	35	40	35	30	35
23	35	45	40	30	35	35	40	35	40	50	50	50	35	45	40	40	30	30	25	25	25	30	30	35
24	35	40	45	50	50	50	45	60	60	70	70	70	65	55	50	40	50	40	50	40	45	40	45	45
25	45	40	40	40	35	35	35	35	35	30	30	35	35	30	35	30	25	20	15	15	20	15	20	25
26	30	25	30	30	25	25	25	20	20	20	20	20	15	15	15	15	20	15	15	20	20	15	15	10
27	15	15	15	15	10	10	15	10	10	20	30	30	35	35	35	30	25	20	20	25	25	25	25	25
28	25	15	25	35	50	50	45	45	45	40	35	35	45	35	30	20	20	10	25	30	30	30	30	30
29	25	30	15	10	5	10	15	15	20	25	25	25	20	15	25	25	25	25	25	30	25	25	30	20
30	25	20	15	15	10	10	10	15	20	20	15	20	14	9	8	5	5	4	4	5	7	6	6	8
31	12	20	26	33	36	33	28	26	22	18	20	28	26	24	23	25	24	22	23	23	20	20	24	21
Means.	24.3	25.0	25.0	26.2	24.8	24.6	25.4	24.8	25.0	25.7	24.7	24.1	24.6	24.3	23.9	22.5	23.5	22.4	22.8	23.2	23.7	23.8	24.2	24.1

HOURLY WIND MOVEMENT.

AT PIKE'S PEAK, COLORADO, DURING JANUARY, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	21	18	19	18	18	20	20	23	24	30	18	16	11	22	21	22	21	23	36	41	39	46	45	47
2	44	40	46	47	48	47	45	47	54	53	52	49	55	45	45	40	40	40	40	45	40	40	40	35
3	40	40	35	30	25	20	35	25	25	20	25	25	35	45	30	25	25	20	25	30	25	35	35	30
4	40	35	35	35	45	40	40	35	40	35	30	30	30	25	30	30	30	35	35	35	35	35	25	30
5	30	25	25	20	20	20	20	15	15	30	25	25	15	10	15	10	10	10	15	10	10	15	30	30
6	30	35	20	20	20	15	20	15	20	20	20	25	30	40	45	35	35	35	35	35	30	40	50	50
7	50	55	55	55	60	60	50	50	50	55	60	60	65	60	60	60	65	50	50	45	35	35	30	25
8	25	25	20	20	20	20	20	25	54	48	44	39	38	36	37	34	28	27	32	30	25	23	27	27
9	32	32	35	40	46	42	42	43	42	42	41	42	56	52	56	43	45	40	35	25	30	30	25	40
10	40	45	40	45	45	45	45	40	35	45	40	30	35	30	35	35	30	30	30	25	25	25	30	30
11	20	25	20	25	20	15	15	15	10	10	10	5	2	4	5	5	4	5	5	14	24	23	18	19
12	18	20	26	22	24	29	28	27	30	31	37	30	35	38	31	30	31	36	35	31	26	24	24	21
13	27	22	24	24	19	19	19	18	16	37	31	26	27	22	24	24	19	19	19	18	17	37	31	27
14	22	20	18	16	14	20	28	24	21	32	32	27	36	33	30	32	31	27	25	[35]	46	44	[44]	[44]
15	[44]	[44]	[42]	[42]	[42]	[38]	[32]	[42]	[45]	[42]	[41]	[40]	40	30	40	35	30	25	30	25	20	30	30	20
16	25	15	10	15	15	10	5	15	25	25	20	20	35	30	30	35	30	25	30	30	25	40	40	25
17	30	25	20	25	20	15	25	35	30	25	25	25	50	35	30	25	20	15	20	20	15	25	20	15
18	15	10	10	10	15	15	20	20	20	25	25	25	40	35	30	30	25	20	25	20	20	30	35	25
19	25	20	15	20	15	10	20	15	20	40	40	40	35	35	30	35	35	35	40	45	45	50	45	45
20	45	45	40	40	[40]	[35]	35	30	30	20	20	25	20	35	35	[40]	[55]	[54]	[54]	[54]	[54]	[54]	[54]	[54]
21	[54]	[54]	[54]	[54]	[54]	[54]	[54]	[50]	[45]	[40]	[35]	[30]	25	28	19	20	20	22	19	18	14	14	16	19
22	26	26	27	24	32	31	37	40	42	43	44	42	41	42	40	37	39	37	38	41	40	36	39	41
23	44	42	45	45	39	29	21	21	26	22	29	31	25	25	20	15	25	20	30	30	30	20	20	15
24	25	20	20	25	20	20	15	15	10	5	10	10	10	10	15	10	10	15	10	10	15	15	10	10
25	20	20	15	20	20	25	20	20	25	20	15	20	20	20	15	5	15	20	20	15	20	15	20	20
26	20	15	20	15	15	15	5	10	10	5	15	20	25	15	10	10	5	10	5	2	2	3	4	4
27	4	4	5	6	7	10	20	15	20	15	15	15	15	10	13	9	18	15	15	13	12	9	6	5
28	5	1	1	1	1	1	3	2	10	7	4	4	8	14	15	17	19	18	18	17	15	16	11	19
29	25	30	33	31	29	33	30	32	29	21	19	18	16	20	23	25	29	29	22	17	14	20	22	19
30	17	21	20	19	20	22	17	17	20	19	20	15	16	22	20	26	28	22	24	29	31	30	29	30
31	30	32	32	31	29	30	30	27	27	30	26	25	33	36	36	33	30	30	30	27	29	31	32	30
Means.	28.8	27.8	26.7	27.1	27.0	26.0	26.3	26.1	28.1	28.8	28.0	26.9	29.8	29.2	28.5	26.8	27.3	26.1	27.3	26.8	26.1	28.7	28.6	27.5

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING FEBRUARY, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	30	29	28	31	29	33	33	29	25	9	9	7	14	16	20	24	20	24	24	15	19	22	25	33
2	39	39	45	38	28	33	16	13	22	29	25	23	19	23	26	28	32	32	50	54	52	52	46	48
3	58	57	60	[60]	[60]	[60]	[52]	[52]	51	51	52	41	42	48	48	39	42	45	38	41	36	22	28	29
4	21	22	21	26	23	24	20	21	16	11	4	8	19	20	27	28	31	26	26	41	39	44	49	41
5	29	29	22	27	29	22	22	24	24	23	20	24	14	12	16	18	19	27	31	35	39	43	46	49
6	50	49	56	56	54	53	45	40	39	41	37	36	32	32	33	24	30	39	38	39	38	37	37	37
7	45	39	40	33	32	31	32	33	24	20	20	20	29	23	27	27	30	30	37	26	27	24	24	28
8	34	32	33	32	27	24	18	13	9	5	5	2	2	2	1	1	2	12	15	14	19	26	32	32
9	34	37	40	41	36	33	32	36	41	37	37	38	44	41	30	22	20	13	15	12	13	25	25	23
10	31	27	13	21	24	23	28	28	28	30	25	22	31	32	23	29	37	40	43	46	48	47	45	46
11	47	49	48	47	56	66	71	65	60	60	48	54	56	48	52	46	56	41	54	50	52	50	49	47
12	50	51	49	53	52	49	51	50	47	43	46	43	45	40	40	39	32	38	48	45	44	43	40	41
13	40	40	39	39	41	38	41	42	43	43	43	39	36	25	21	21	19	15	22	26	24	21	23	26
14	27	24	21	21	15	12	13	18	10	32	25	19	20	24	17	16	13	11	13	17	24	22	22	19
15	23	25	32	32	33	30	29	25	19	19	23	13	9	9	11	9	9	11	10	9	8	5	6	4
16	6	8	6	2	7	8	6	3	5	5	5	3	3	10	6	5	6	7	7	8	10	11	12	12
17	16	20	19	24	24	25	28	25	22	23	28	29	34	34	30	25	24	28	30	28	22	18	21	22
18	22	21	20	19	18	15	15	16	16	16	11	7	6	11	18	7	8	20	24	16	15	10	21	26
19	28	26	19	24	23	21	28	27	26	28	30	34	32	32	32	32	40	47	46	45	41	41	40	37
20	52	52	53	48	46	50	52	54	41	39	34	17	19	21	18	22	25	24	39	48	44	35	34	32
21	33	21	28	42	34	29	27	22	21	42	50	47	40	35	41	34	32	25	12	16	16	15	19	14
22	12	7	9	11	11	15	17	19	20	19	18	16	25	24	20	16	12	12	10	10	10	10	11	10
23	8	8	5	3	2	3	6	4	4	1	1	1	19	17	18	24	18	15	20	17	16	15	13	9
24	7	2	1	0	0	1	6	8	8	11	21	22	8	12	22	23	26	30	46	51	52	51	50	[50]
25	[50]	[50]	[50]	[50]	[50]	[50]	[48]	[48]	[48]	[48]	[48]	[48]	48	46	43	44	40	39	37	42	46	54	52	49
26	46	49	50	48	44	43	44	40	40	46	43	41	35	32	26	30	32	31	28	28	31	30	37	28
27	34	36	35	35	36	33	30	26	18	12	6	7	19	24	25	27	30	30	35	44	51	50	47	46
28	47	42	42	49	44	48	41	32	26	37	39	32	26	21	22	20	10	6	7	9	12	13	14	13
Means.	32.8	31.8	31.6	32.6	31.4	31.1	30.4	29.0	26.9	27.9	26.9	24.8	25.9	25.5	25.5	24.3	24.8	25.6	28.8	29.7	30.3	29.9	31.0	30.4

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING MARCH, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	12	13	6	6	6	9	13	12	11	13	9	8	7	3	1	3	7	7	9	9	12	15	14	14
2	10	8	5	4	1	0	3	6	8	15	18	20	23	26	28	26	25	39	34	31	25	29	19	15
3	17	18	15	16	14	17	19	24	27	25	19	14	16	30	30	24	28	20	18	17	17	15	14	11
4	9	7	7	9	12	17	19	21	25	29	27	22	18	16	13	24	24	19	18	21	24	26	20	18
5	13	16	13	10	8	6	12	13	14	14	14	15	13	22	25	25	26	27	21	20	17	16	14	[15]
6	[15]	[15]	[15]	[15]	[15]	[15]	[15]	[15]	16	18	30	38	41	40	40	34	29	27	29	25	23	21	15	19
7	30	28	38	44	48	49	49	51	52	50	48	48	47	35	29	31	30	34	34	35	41	41	45	37
8	39	32	25	19	18	18	15	19	17	16	17	20	16	12	9	8	7	13	20	21	24	29	29	38
9	36	33	31	40	42	41	41	39	42	39	37	34	27	24	24	20	16	20	28	30	29	25	26	27
10	33	36	47	51	53	52	51	57	57	61	49	43	35	29	33	34	29	26	37	44	47	44	36	36
11	34	38	37	35	28	28	34	37	42	43	42	36	31	31	29	29	37	40	39	30	28	28	32	30
12	31	37	36	38	49	45	51	52	57	55	47	39	52	48	44	36	37	36	49	48	49	45	47	46
13	46	51	46	47	51	48	44	42	44	46	44	50	42	35	35	33	40	39	38	35	30	23	16	16
14	19	18	16	21	14	12	12	14	[14]	12	12	[12]	13	[14]	[14]	[17]	[17]	17	24	25	35	37	36	36
15	35	34	33	35	40	43	51	48	44	39	36	31	22	17	14	19	16	17	22	20	17	18	12	19
16	25	17	19	24	26	29	32	38	40	35	29	26	28	40	33	27	26	27	30	28	29	27	33	33
17	34	34	43	48	40	36	31	27	22	19	15	14	13	13	14	17	18	19	18	12	15	18	18	18
18	18	18	19	16	12	12	12	13	12	9	[9]	[11]	[11]	11	14	15	17	20	17	10	11	14	13	15
19	14	12	13	12	11	12	12	16	17	18	16	19	17	21	22	24	26	31	39	40	43	44	47	46
20	45	39	32	33	28	25	24	25	28	28	30	30	[30]	[33]	33	32	33	31	43	44	49	51	52	48
21	56	57	56	57	60	60	58	54	48	46	38	36	42	45	40	40	39	40	43	45	46	44	48	44
22	51	51	46	51	52	53	50	53	56	52	46	48	44	45	45	45	49	49	51	54	51	48	45	45
23	47	48	54	48	37	36	38	32	33	38	29	22	17	19	24	22	18	24	25	21	18	18	17	15
24	17	15	14	13	14	14	16	15	17	14	15	17	26	30	40	41	41	34	43	49	51	55	55	56
25	56	53	48	47	47	46	44	42	39	37	37	38	34	41	44	40	30	28	19	27	31	35	38	33
26	42	42	41	43	40	42	47	45	41	44	43	39	35	35	33	33	27	24	24	19	21	30	35	39
27	31	31	36	37	33	30	37	39	38	40	39	33	33	32	34	36	33	31	28	31	27	19	11	21
28	37	35	39	42	38	39	38	36	41	41	37	33	38	40	45	44	40	37	32	31	43	46	46	47
29	55	53	53	52	50	51	56	60	62	53	48	38	31	42	39	29	27	19	19	23	25	29	34	23
30	28	26	17	15	18	17	21	15	15	14	15	15	15	13	14	8	6	7	13	15	15	23	28	28
31	29	26	24	24	26	31	29	29	27	26	24	22	16	10	13	13	13	9	10	15	17	20	26	26
Means	31.1	30.4	29.8	30.7	30.0	30.1	31.4	31.9	32.5	31.9	29.6	28.1	26.9	27.5	27.6	26.7	26.2	26.2	28.2	28.2	29.4	30.1	29.7	29.5

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HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING APRIL, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	26	28	35	39	41	37	42	40	[33]	[33]	[33]	[33]	24	23	21	20	24	30	36	36	44	49	42	48
2	49	47	49	47	46	40	33	37	53	47	47	40	21	24	18	14	20	30	35	29	24	22	22	18
3	17	16	15	13	12	10	11	17	30	31	[31]	[28]	24	28	31	28	27	29	26	28	32	33	32	40
4	41	41	38	37	39	51	52	[52]	[52]	[52]	56	52	51	51	44	35	27	[27]	29	[26]	24	23	24	26
5	28	32	34	[34]	[34]	[34]	[34]	34	[34]	[34]	[34]	[34]	[34]	[34]	34	30	24	19	[20]	[20]	[20]	[25]	[30]	[35]
6	[35]	[35]	[35]	[35]	[35]	[35]	[35]	[40]	[40]	[45]	[45]	[45]	37	37	41	36	37	36	28	25	31	[32]	40	38
7	33	28	29	30	21	22	18	15	14	9	9	11	12	17	19	23	22	22	34	36	44	49	46	47
8	54	42	32	26	26	30	43	46	42	35	43	40	38	31	36	35	33	20	15	20	34	26	24	30
9	31	27	[26]	[25]	[24]	[23]	[22]	16	12	11	6	6	9	9	13	11	9	9	6	4	3	8	12	10
10	13	19	27	23	21	23	28	27	25	20	13	11	14	17	27	32	28	23	26	25	26	35	36	37
11	37	34	26	26	35	38	32	29	30	32	35	38	30	30	27	22	24	40	43	33	40	34	28	21
12	24	22	20	20	21	19	18	17	19	21	21	19	11	9	9	13	15	16	16	13	12	9	8	10
13	11	11	12	12	14	10	24	23	19	16	16	13	12	9	10	8	8	8	8	7	8	11	15	14
14	14	23	25	23	27	30	27	25	23	19	15	13	8	5	6	7	8	8	7	10	14	15	15	17
15	15	15	26	26	26	25	24	21	16	6	3	3	12	18	14	14	17	13	17	17	16	10	8	7
16	9	10	12	11	10	12	13	10	17	15	10	4	4	5	6	7	7	6	4	5	7	10	12	15
17	14	15	16	23	20	25	20	17	12	7	5	3	5	4	6	4	5	9	8	8	8	6	4	2
18	5	9	10	13	12	18	21	21	20	12	10	10	15	15	11	7	10	13	9	6	8	11	8	8
19	14	12	13	9	4	8	13	18	20	15	8	8	6	6	7	7	8	4	8	9	13	7	8	7
20	11	10	12	21	23	25	27	20	21	12	8	12	21	15	18	20	25	44	42	35	44	35	31	27
21	23	17	11	11	6	6	5	6	4	4	3	3	4	3	4	3	2	4	3	3	4	5	5	8
22	12	12	14	13	[13]	[13]	[13]	[13]	[13]	[13]	[13]	[13]	1	2	9	10	9	5	10	16	12	23	26	20
23	28	31	25	22	18	27	23	20	22	23	16	13	31	23	14	20	14	12	13	16	16	19	13	18
24	17	11	8	8	9	10	10	11	12	13	14	14	16	16	13	13	12	13	12	11	13	12	10	10
25	9	5	2	1	0	1	11	10	5	4	4	5	11	15	15	17	13	15	21	21	15	16	25	26
26	35	37	37	42	40	36	34	32	30	24	23	20	16	10	10	10	14	19	27	29	33	[36]	34	30
27	31	27	25	35	37	35	36	16	10	11	14	17	20	22	20	23	21	18	22	26	23	20	27	30
28	29	35	37	33	34	35	34	34	35	35	30	33	29	27	32	28	32	30	29	27	28	26	22	24
29	35	43	39	43	49	49	48	40	41	40	32	23	20	19	23	25	14	19	21	22	19	26	29	30
30	33	39	33	27	18	14	14	17	19	16	9	9	11	12	19	11	14	15	15	11	11	9	11	13
Means.	24.4	24.4	24.1	24.3	23.8	24.7	25.5	24.1	24.1	21.8	20.2	19.1	18.2	17.9	18.6	17.8	17.4	18.5	19.7	19.1	20.9	21.4	21.6	22.2

HOURLY WIND MOVEMENT
AT PIKE'S PEAK, COLORADO, DURING MAY, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	12	10	14	13	13	14	13	11	9	8	11	15	14	13	14	8	11	5	13	20	23	23	24	23
2	20	18	20	20	18	13	14	14	12	11	10	9	18	19	18	20	20	18	24	17	19	18	17	15
3	15	13	18	18	16	12	8	6	7	4	8	7	12	16	14	15	15	16	24	30	30	31	34	37
4	39	36	33	31	31	35	31	20	16	17	20	23	25	34	24	21	22	20	29	34	37	43	39	34
5	38	35	37	32	32	36	40	34	34	26	19	11	21	22	13	15	11	16	14	16	17	21	29	39
6	46	45	43	45	42	42	46	45	42	40	34	30	23	26	28	29	27	30	29	36	47	56	51	54
7	56	46	48	55	54	38	36	36	47	40	38	33	30	23	30	29	35	41	39	35	36	36	33	
8	31	39	45	48	50	44	40	36	32	26	24	24	28	25	20	22	19	25	23	26	30	30	27	29
9	31	31	32	36	28	27	26	[30]	[35]	[40]	39	36	34	34	39	35	37	38	36	39	35	35	42	42
10	38	43	42	43	[52]	[50]	[45]	[45]	[45]	45	39	32	37	34	29	30	25	16	25	28	28	34	46	42
11	40	43	40	41	39	33	30	22	16	8	11	16	17	18	18	22	23	25	33	31	28	26	36	[30]
12	[21]	[21]	[21]	[21]	[21]	[21]	[20]	[20]	[19]	19	16	16	18	17	20	23	18	20	24	23	23	11	12	18
13	24	24	18	16	27	28	24	26	24	22	13	12	19	20	22	23	19	11	9	21	20	16	17	18
14	22	26	28	27	27	25	18	12	8	6	7	14	20	15	4	15	9	9	4	5	7	6	5	8
15	14	11	17	18	17	16	17	15	11	7	4	8	21	19	13	11	6	20	20	22	19	16	19	22
16	18	15	10	10	16	19	17	16	31	29	32	39	44	36	44	38	46	52	50	35	36	23	22	27
17	27	24	20	19	22	26	24	31	26	9	5	12	11	10	7	8	10	9	13	13	9	1	6	5
18	5	5	10	15	19	18	16	14	12	14	13	14	15	15	17	17	20	26	25	23	18	16	13	13
19	9	8	8	8	10	9	6	3	3	6	6	20	21	24	18	7	4	13	13	15	16	15	13	11
20	10	9	11	12	16	10	9	6	9	6	6	9	7	7	9	5	4	5	3	1	2	2	3	5
21	3	4	9	12	15	18	16	12	11	13	15	13	9	21	25	23	26	23	30	26	21	12	12	16
22	15	16	13	13	13	8	6	10	10	16	15	14	14	18	20	22	18	12	19	12	9	9	7	6
23	4	2	7	13	12	9	4	1	3	5	7	9	10	10	13	13	11	11	7	12	14	11	8	11
24	11	8	9	9	9	8	9	8	9	8	8	7	16	19	20	20	18	21	23	22	18	14	12	9
25	10	8	4	[8]	[8]	[8]	[8]	5	5	4	4	6	10	8	6	8	5	12	11	4	7	8	10	8
26	8	8	10	17	21	24	19	15	14	14	11	8	8	10	17	18	27	31	21	18	18	16	8	12
27	11	9	11	11	9	6	5	6	9	6	8	7	25	17	13	21	21	18	13	16	14	9	7	7
28	4	8	10	13	13	11	11	12	13	14	13	13	18	23	18	17	24	21	15	13	8	7	12	10
29	8	7	5	5	4	5	6	13	20	25	21	18	17	27	48	45	30	29	30	40	32	21	16	26
30	33	33	36	34	30	29	38	42	39	36	33	23	21	25	33	33	21	12	19	22	19	26	35	33
31	34	37	38	36	29	33	28	34	36	36	36	41	41	43	44	39	36	31	31	48	53	50	50	47
Means	21.2	20.7	21.5	22.5	23.0	21.8	20.3	19.4	19.6	18.1	17.0	17.4	20.1	20.9	21.0	21.1	19.7	20.3	21.6	22.8	22.3	20.7	21.5	22.3

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING JUNE, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	52	46	37	35	[40]	[45]	48	44	44	44	38	42	43	39	34	39	38	34	25	32	49	47	38	40
2	35	26	29	24	20	20	23	23	22	17	16	14	16	19	25	30	34	31	30	26	20	22	26	31
3	40	47	49	42	31	30	28	24	29	29	28	32	39	34	19	14	6	6	17	21	14	13	19	20
4	21	19	16	14	17	15	16	12	14	16	12	8	9	7	8	12	14	9	8	14	12	9	6	9
5	14	10	12	13	12	8	8	8	14	10	12	17	25	20	15	13	17	14	12	9	9	13	15	13
6	16	18	13	6	7	5	10	13	14	15	13	12	15	17	16	18	15	14	13	16	14	14	17	21
7	27	26	24	27	28	29	25	26	26	22	20	19	21	16	13	25	18	14	18	20	14	13	26	28
8	32	33	36	36	32	28	18	15	15	13	16	17	13	11	7	14	13	17	14	13	16	27	30	28
9	34	32	30	31	30	29	33	37	33	30	27	31	29	36	40	36	38	42	42	44	44	48	47	46
10	49	51	61	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	..	..	..	[55]	[55]	[55]	55	50	40	30	30	25	25	15	15	15	[15]	[15]	[15]	[10]	10	15	10
15	10	10	10	10	15	5	10	10	10	5	5	5	5	5	10	10	3	16	14	20	24	14	10	10
16	5	4	9	10	[13]	[13]	[13]	[13]	15	15	20	15	5	7	6	8	8	14	16	17	16	13	15	14
17	20	11	13	14	12	16	20	28	36	31	17	13	21	24	23	27	36	35	37	39	31	37	32	34
18	43	42	41	43	43	42	44	46	45	39	34	30	26	26	31	27	23	14	10	5	14	15	12	14
19	12	10	11	12	9	5	2	6	3	4	7	7	8	7	8	10	12	8	9	12	17	15	19	13
20	6	6	8	8	6	10	10	6	9	11	11	11	11	10	9	10	9	7	10	5	5	6	9	13
21	12	13	12	9	5	6	6	6	8	10	10	11	13	14	15	14	12	13	11	8	9	10	13	13
22	17	19	22	24	16	16	17	15	10	11	11	15	18	17	11	11	12	14	14	10	9	8	24	[26]
23	28	28	[30]	[32]	31	[32]	[28]	[28]	[28]	[28]	[28]	[28]	23	25	28	29	21	17	15	11	9	12	17	11
24	14	7	8	7	5	9	16	14	15	16	[13]	[13]	[8]	[8]	[8]	[8]	[8]	[8]	[8]	[8]	[8]	[8]	[8]	[8]
25	9	8	8	6	9	11	9	8	[8]	[8]	[8]	8	9	6	9	14	11	16	23	24	24	25	24	23
26	27	27	26	27	31	33	31	26	27	28	25	26	32	38	39	32	33	32	28	29	22	24	29	29
27	35	38	39	42	38	35	36	33	32	31	28	25	11	8	9	15	16	14	13	14	14	18	18	20
28	22	26	30	34	34	34	30	25	24	20	15	9	8	7	5	8	6	6	7	5	5	4	7	6
29	7	9	10	12	10	6	5	4	4	6	2	2	3	10	8	7	12	11	10	15	15	20	20	20
30	20	30	22	29	35	34	29	28	28	32	29	29	28	19	16	16	19	20	20	12	19	29	24	16
Means.	23.4	22.9	23.3	23.5	22.5	22.0	21.9	21.3	21.7	20.4	18.3	18.0	17.8	17.5	16.4	17.8	17.3	17.0	16.9	17.1	17.0	18.2	20.0	19.8

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING JULY, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	18	20	18	13	15	14	13	12	4	4	4	5	4	5	7	10	11	12	22	21	17	21	19	12
2	13	12	13	11	11	12	13	9	10	8	6	9	7	5	5	7	5	10	12	12	13	8	11	15
3	13	10	9	10	11	7	7	9	8	5	3	0	10	11	13	9	12	16	9	7	8	8	8	11
4	7	3	3	1	2	6	5	11	11	11	10	12	12	20	29	18	10	13	16	10	6	8	10	10
5	12	13	11	11	15	15	18	14	15	15	11	14	19	16	7	11	10	5	4	6	5	3	3	5
6	8	7	9	8	8	9	11	10	3	2	4	4	7	12	15	10	8	8	12	5	10	17	18	16
7	20	28	29	25	23	25	24	21	19	15	[15]	[15]	[16]	[17]	[17]	17	14	14	19	20	21	26	28	32
8	33	35	40	40	27	19	14	15	20	19	17	13	8	7	5	8	10	16	8	8	7	9	6	7
9	8	9	9	9	9	7	5	4	1	3	5	5	7	10	11	13	[12]	[11]	[11]	[11]	[11]	[11]	[11]	[11]
10	[11]	[11]	[11]	[11]	[11]	[11]	[11]	[11]	[11]	[11]	[11]	[11]	[11]	[11]	[11]	10	6	16	15	19	15	16	13	11
11	11	9	6	1	2	6	7	8	7	7	7	5	6	10	11	6	6	3	4	5	2	5	2	3
12	1	0	1	2	3	6	8	7	4	3	6	10	6	5	8	9	13	15	9	9	8	0	1	1
13	4	6	10	12	9	3	10	14	13	13	12	9	5	4	5	8	10	13	14	17	20	17	9	8
14	12	14	17	20	19	15	18	13	12	12	8	9	6	4	7	10	16	14	21	17	16	16	23	22
15	26	24	23	20	22	20	18	16	15	14	11	7	7	8	9	11	9	7	13	13	14	15	14	16
16	[18]	[20]	22	22	26	20	15	14	11	4	9	6	6	11	12	14	11	6	9	10	10	9	6	9
17	10	8	7	7	11	10	8	5	10	9	10	10	[9]	[9]	[9]	[10]	[7]	[6]	[5]	[7]	[8]	[9]	[7]	[7]
18	[4]	[4]	[6]	[7]	[8]	[6]	[7]	[13]	[7]	[5]	[5]	[6]	7	6	6	6	9	10	6	6	10	10	10	10
19	9	4	3	6	8	10	12	13	10	7	6	7	9	8	14	11	6	6	4	2	2	4	1	0
20	4	1	4	6	9	9	10	11	5	6	7	8	4	4	9	18	17	16	15	10	7	7	6	10
21	7	5	3	7	11	9	7	3	3	4	5	6	3	11	8	8	7	14	19	16	13	17	20	16
22	13	14	12	10	8	6	3	0	0	1	7	8	8	7	7	9	9	9	12	14	11	11	12	12
23	12	11	11	9	7	5	5	4	3	2	1	3	4	6	5	7	5	3	5	7	5	3	7	7
24	12	12	13	10	11	12	11	9	9	8	6	7	7	5	5	4	11	19	9	5	13	12	18	19
25	25	22	22	17	17	[17]	[17]	[18]	18	16	12	7	7	9	7	9	11	12	19	16	18	11	13	14
26	16	18	18	21	20	21	21	21	15	16	16	11	7	7	11	21	17	12	13	15	18	9	4	7
27	19	20	17	12	9	5	1	3	1	3	4	5	4	3	6	7	9	7	12	15	13	13	9	8
28	7	8	14	13	15	16	11	3	6	7	5	4	4	5	7	12	17	13	7	8	6	4	1	3
29	2	1	2	2	1	2	3	2	5	4	7	10	7	9	7	9	2	3	3	1	5	7	7	5
30	3	1	2	5	7	11	8	10	20	17	14	11	10	10	10	10	9	9	12	15	14	19	21	17
31	11	12	8	8	14	13	13	9	6	8	6	6	5	4	5	9	14	14	20	20	24	26	23	19
Means.	11.9	11.7	12.0	11.5	11.9	11.2	10.8	10.1	9.1	8.4	8.1	7.8	7.5	8.4	9.3	10.4	10.1	10.7	11.6	11.2	11.3	11.3	11.2	11.1

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING AUGUST, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	21	25	26	25	24	22	22	17	12	11	16	16	19	30	25	15	27	22	23	18	18	18	19	16
2	11	8	13	14	14	14	13	10	12	13	11	7	4	10	5	4	7	14	14	12	19	18	12	10
3	11	14	18	17	15	13	12	11	13	8	8	6	6	9	9	7	6	4	8	10	6	8	6	9
4	14	14	11	8	5	4	8	9	9	7	7	6	4	7	6	7	10	8	3	8	9	8	11	14
5	17	13	10	13	18	13	12	11	8	5	3	3	4	7	9	8	9	6	2	2	3	3	1	2
6	9	11	8	10	7	7	8	11	11	5	5	6	7	7	7	11	11	13	12	8	10	9	5	5
7	4	4	5	7	9	8	8	8	6	4	5	7	6	5	5	9	16	11	4	9	16	14	8	14
8	17	16	13	13	12	12	13	10	7	6	6	6	4	4	7	9	8	7	6	8	7	9	6	3
9	4	8	7	5	4	8	9	5	6	3	4	5	5	6	7	7	7	6	11	9	9	11	12	11
10	12	11	12	12	8	10	8	9	6	7	6	4	10	11	5	9	6	9	7	11	13	12	7	11
11	7	8	12	16	10	10	10	10	5	4	3	4	4	5	6	5	8	9	6	4	4	5	6	8
12	12	13	12	12	14	14	14	15	20	17	10	5	7	11	10	6	9	10	7	11	7	9	8	11
13	11	5	3	3	7	7	1	1	3	5	1	1	12	17	21	10	9	9	11	20	14	19	18	17
14	15	21	24	25	22	18	18	16	12	10	5	7	16	11	9	6	5	5	14	14	14	12	10	8
15	9	20	24	23	22	21	16	13	8	9	9	7	1	8	11	13	13	10	9	9	13	13	12	11
16	13	14	21	19	18	18	20	14	14	10	12	11	6	5	8	8	10	13	13	16	12	4	7	16
17	18	18	16	11	13	14	12	10	7	5	18	18	13	7	10	11	10	11	13	11	13	16	14	11
18	7	9	12	16	16	15	13	13	10	8	9	9	11	11	10	9	9	7	5	2	5	7	12	11
19	8	14	16	18	20	17	19	22	18	10	18	26	17	9	7	13	11	17	22	25	24	17	12	10
20	20	22	24	23	21	18	15	13	8	7	7	11	8	10	16	21	21	15	15	14	13	13	11	20
21	23	19	17	16	12	15	15	16	19	12	5	5	6	12	13	9	4	8	8	13	16	18	20	16
22	14	15	15	13	18	20	23	17	19	16	13	8	6	4	6	8	7	10	10	22	17	18	19	20
23	21	18	17	15	15	17	19	18	16	15	14	9	9	9	11	7	14	28	28	31	28	30	27	19
24	21	22	3	9	14	11	11	9	4	4	4	3	2	6	9	21	14	20	19	24	28	33	26	28
25	22	20	13	24	32	28	30	28	29	31	33	30	25	24	20	19	20	21	25	25	25	29	34	32
26	21	23	27	30	32	41	36	20	15	18	18	15	19	17	20	19	18	16	18	16	15	17	43	36
27	33	33	37	40	31	28	22	13	14	14	20	24	18	19	[20]	[23]	[26]	[29]	[32]	35	32	25	19	23
28	23	21	26	26	31	31	34	30	31	30	36	31	25	24	26	27	28	28	25	26	28	26	25	25
29	29	35	34	31	31	31	34	42	42	40	37	32	27	27	30	33	33	29	28	21	11	30	36	36
30	38	39	40	46	48	48	45	40	36	33	27	8	8	10	14	16	12	9	13	19	20	24	33	35
31	32	34	39	39	41	37	33	26	30	29	25	19	25	20	22	16	13	12	10	11	11	6	5	7
Means.	16.7	17.6	17.9	18.7	18.8	18.4	17.8	15.7	14.5	12.8	12.7	11.3	10.8	11.7	12.4	12.5	12.9	13.4	13.6	15.0	14.8	15.5	15.6	16.0

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING SEPTEMBER, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	10	11	16	25	23	23	21	19	16	17	16	17	16	13	17	15	17	18	26	21	21	25	27	21
2	19	16	20	16	18	11	12	15	13	9	18	20	9	9	14	9	9	7	11	9	6	8	7	6
3	10	12	12	14	11	11	10	6	3	4	8	9	10	10	14	19	23	26	27	26	21	25	24	28
4	30	32	31	30	29	28	29	33	34	27	14	8	9	10	11	12	9	9	7	8	9	10	8	9
5	8	9	11	11	8	8	8	5	0	3	2	4	4	6	9	8	9	11	13	15	17	19	20	26
6	28	30	26	25	25	21	19	17	13	6	7	7	9	9	8	10	15	15	11	12	14	13	16	17
7	15	15	14	11	9	8	8	6	3	1	3	5	5	9	10	10	11	11	10	9	15	14	15	18
8	18	14	10	7	3	0	1	6	7	3	5	3	1	0	2	4	6	7	5	2	8	11	11	17
9	18	16	18	17	14	10	9	10	7	4	3	6	6	10	11	6	4	0	2	3	4	5	4	6
10	7	5	3	2	2	1	1	1	3	7	7	6	6	7	10	9	12	16	17	22	14	11	18	21
11	23	31	29	26	24	18	15	14	12	13	14	8	10	11	9	7	12	3	1	1	0	1	6	10
12	10	11	12	15	16	14	16	17	20	25	22	20	19	20	21	22	28	27	22	20	28	26	25	21
13	18	12	8	2	1	0	3	3	1	2	1	1	4	5	7	5	7	14	8	3	2	0	1	1
14	3	9	9	9	6	0	1	0	2	2	1	0	1	2	6	3	7	9	2	6	3	3	4	5
15	11	14	12	9	7	6	4	5	2	1	4	1	1	0	4	2	4	1	1	3	6	4	12	17
16	12	[12]	[12]	[12]	[13]	[13]	[13]	[13]	[14]	[15]	20	23	22	16	12	12	18	18	18	21	19	14	12	14
17	15	13	8	3	1	0	0	0	3	4	2	2	3	6	8	9	13	16	23	23	22	21	24	21
18	25	26	24	27	24	23	22	23	23	15	12	4	6	9	9	9	8	9	13	20	20	20	14	14
19	17	22	26	25	20	22	24	16	17	16	19	13	18	14	16	16	19	18	23	21	32	29	20	10
20	15	18	15	11	12	11	10	12	10	9	9	8	8	5	4	4	3	1	4	2	2	0	0	0
21	0	0	0	0	0	0	0	0	2	9	9	8	6	4	2	2	4	2	4	8	8	7	5	3
22	3	3	2	5	4	8	9	11	15	11	9	9	11	15	17	17	18	14	18	16	25	23	21	22
23	17	15	14	12	11	13	12	11	13	8	6	3	2	2	3	5	6	12	17	18	21	23	24	24
24	18	19	20	21	22	24	27	30	32	29	27	26	24	19	12	5	2	0	1	5	3	4	7	7
25	8	12	11	15	15	15	16	17	15	13	10	8	5	5	5	6	11	8	13	15	14	13	13	9
26	14	9	11	14	11	8	7	8	7	6	1	3	1	3	3	5	7	5	4	4	3	6	6	7
27	9	9	11	12	15	15	10	9	10	9	6	5	6	4	5	5	4	4	4	5	5	7	8	10
28	14	13	13	11	8	7	8	7	4	1	3	3	3	4	4	4	7	9	1	5	6	7	7	6
29	6	11	4	8	12	11	5	5	5	9	10	5	5	5	5	8	9	10	12	19	23	23	24	24
30	27	25	22	25	25	26	[28]	[28]	[25]	[18]	[12]	9	8	4	5	5	13	18	20	26	24	19	17	19
Means.	14.3	14.8	14.1	14.0	13.0	11.8	11.6	11.6	11.0	9.9	9.3	8.1	7.9	7.9	8.8	8.4	10.5	10.6	11.3	12.3	13.2	13.0	13.3	13.8

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING OCTOBER, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	16	20	25	28	31	27	31	28	27	27	27	21	15	12	14	15	15	14	17	18	21	27	30	34
2	41	40	41	48	45	43	40	33	33	24	22	22	25	31	33	37	38	36	37	37	44	44	43	45
3	41	41	35	23	17	20	30	31	26	24	16	11	13	16	19	22	25	27	25	25	30	27	28	33
4	34	34	38	42	36	33	31	26	21	12	6	4	7	9	10	12	5	5	5	4	2	9	12	20
5	21	22	23	24	27	29	27	25	25	13	19	18	20	20	15	14	14	16	15	14	17	18	18	16
6	18	22	27	26	23	20	19	17	16	18	19	18	21	19	19	17	11	13	15	17	19	21	24	22
7	22	20	20	21	21	21	15	18	20	17	14	8	6	6	10	11	10	15	17	18	15	12	15	20
8	21	20	23	32	36	18	18	19	14	20	12	4	5	7	8	15	19	16	13	13	13	16	16	20
9	25	26	28	27	25	22	20	15	14	17	16	10	6	5	4	8	11	10	17	19	23	21	18	17
10	16	18	16	23	21	19	20	14	19	7	4	3	3	4	2	2	5	4	7	10	10	13	6	7
11	9	10	10	13	13	13	18	18	17	10	6	7	7	9	14	15	12	9	8	10	8	13	13	18
12	21	19	19	15	21	22	22	18	14	16	7	2	2	2	6	7	10	7	11	11	14	19	23	24
13	24	27	26	24	25	27	32	26	30	31	22	18	20	13	11	12	12	12	16	21	21	26	23	30
14	29	30	28	31	34	25	32	34	33	30	25	21	21	25	18	14	19	29	27	28	31	32	33	31
15	22	20	20	23	19	21	27	26	18	19	19	20	12	7	7	8	10	9	14	18	21	22	21	19
16	17	17	17	15	18	18	16	11	8	3	5	3	4	3	3	3	5	5	6	5	6	13	14	13
17	13	12	11	11	10	11	7	9	7	5	3	3	5	8	7	5	8	3	5	7	11	13	15	13
18	15	18	16	12	15	14	15	14	7	6	4	2	3	2	2	7	12	11	12	8	10	10	12	12
19	18	21	20	20	21	20	19	18	16	10	4	3	10	6	5	6	7	7	10	10	7	8	13	14
20	13	11	8	7	7	10	11	9	8	6	10	10	13	4	12	19	16	16	18	21	18	15	11	5
21	3	1	1	1	2	6	5	3	5	3	3	2	2	2	2	3	3	2	4	3	0	1	5	7
22	5	6	6	6	4	4	2	1	0	2	1	2	2	4	5	6	8	9	11	13	13	11	10	15
23	13	16	11	12	19	21	21	18	15	13	14	13	18	17	18	19	17	16	18	15	14	20	27	32
24	39	35	32	32	27	27	23	18	16	14	8	3	9	8	7	6	12	19	10	15	7	8	7	7
25	8	8	8	23	33	27	26	24	23	14	8	8	5	1	3	12	13	20	30	34	39	41	47	51
26	45	32	30	29	[30]	[40]	[50]	52	52	[44]	[44]	40	36	38	26	32	42	35	25	34	39	43	49	47
27	52	54	55	52	48	54	53	52	51	47	48	47	40	40	33	32	28	35	31	27	35	29	31	39
28	41	40	33	32	32	35	32	27	25	27	25	29	34	30	30	30	28	27	30	22	20	22	39	37
29	21	19	27	[28]	[30]	[32]	34	35	35	[30]	[20]	17	17	20	23	28	28	21	25	28	38	41	45	37
30	38	40	45	41	39	42	50	50	52	53	56	48	46	42	47	49	49	46	51	50	50	48	44	39
31	32	26	23	23	25	25	27	31	32	30	31	31	33	33	29	26	33	40	42	43	49	44	41	42
Means.	23.6	23.4	23.3	24.0	24.3	24.1	24.9	23.2	21.9	18.8	16.7	14.5	14.8	14.3	14.3	15.9	16.9	17.2	18.5	19.3	20.8	22.2	23.6	24.7

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING NOVEMBER, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	[43]	45	40	42	41	42	42	[41]	[41]	[41]	[40]	[40]	40	34	35	34	32	36	46	51	57	55	56	54
2	55	52	51	53	49	49	50	53	48	41	35	28	27	20	19	22	24	29	30	20	16	18	16	19
3	19	20	16	13	14	10	10	9	10	13	13	12	10	10	9	10	29	28	20	16	14	12	8	7
4	7	6	5	6	5	3	4	4	4	2	3	2	[14]	14	17	19	18	18	15	15	13	12	11	10
5	12	15	19	16	16	15	15	13	13	11	15	16	15	12	14	16	18	17	17	16	16	14	13	11
6	11	12	8	9	8	8	9	13	12	17	16	13	12	11	13	15	14	10	19	17	25	32	29	29
7	31	17	18	14	12	14	18	11	15	10	8	7	5	2	9	3	9	9	8	7	6	8	6	3
8	4	3	1	3	4	4	3	5	7	10	9	11	10	14	13	16	16	14	13	14	15	15	14	14
9	19	19	19	24	27	26	26	27	20	21	18	18	26	27	23	24	26	24	28	28	32	32	31	30
10	27	26	25	38	37	49	50	37	39	39	28	19	17	17	18	20	27	29	27	24	22	28	40	45
11	43	42	42	42	44	46	46	43	40	33	23	17	21	21	26	30	17	15	14	19	15	12	12	15
12	14	16	21	18	14	12	10	16	13	13	11	10	17	15	11	8	6	4	1	0	0	0	0	0
13	4	11	16	17	25	32	31	25	24	18	29	40	53	61	63	60	59	46	37	32	31	29	27	24
14	21	18	14	13	12	11	12	14	13	14	12	12	11	7	8	7	7	10	8	6	6	6	6	5
15	7	7	7	8	9	8	13	41	30	28	21	16	32	29	28	38	36	38	44	43	34	39	43	44
16	46	47	43	36	30	20	19	23	18	26	28	28	30	31	30	30	32	39	52	54	50	60	68	73
17	68	61	63	59	59	52	56	58	60	62	62	53	67	66	60	56	49	55	58	63	51	39	31	31
18	30	43	35	27	21	17	13	15	15	32	27	23	25	19	19	23	22	20	20	18	15	15	15	15
19	11	8	7	6	7	7	9	10	23	28	29	30	33	28	22	19	16	14	13	11	8	8	7	9
20	10	10	7	6	5	7	7	7	6	14	13	11	12	12	14	12	8	8	8	7	9	11	12	12
21	12	13	14	13	10	13	12	13	7	5	9	8	19	20	17	19	18	18	19	17	17	19	19	18
22	16	16	18	24	27	33	39	46	46	42	34	[34]	30	35	30	25	35	35	40	40	40	35	30	25
23	20	25	30	35	35	35	40	50	50	50	40	40	40	30	25	25	20	25	25	35	35	45	50	55
24	55	55	55	50	45	50	50	40	45	45	45	40	35	40	40	45	55	50	50	55	45	50	50	45
25	40	35	30	20	25	20	15	20	20	15	10	25	35	35	30	25	15	15	10	20	15	15	15	15
26	15	10	10	10	10	10	15	10	10	10	15	20	45	45	45	50	50	50	50	55	55	55	55	60
27	70	70	65	60	60	60	60	50	30	25	20	25	15	15	10	15	20	15	20	20	20	15	15	10
28	15	25	40	35	30	30	25	25	20	15	20	20	25	20	25	25	15	15	20	15	15	10	15	25
29	35	40	50	50	50	45	55	50	35	30	30	35	30	25	20	20	25	25	30	30	30	30	25	15
30	20	10	5	10	5	5	10	10	10	15	10	5	5	5	5	5	10	10	10	15	5	5	10	10
Means.	26.0	25.9	25.8	25.2	24.5	24.4	25.5	26.0	24.3	24.2	22.4	21.9	25.2	24.0	23.3	23.9	24.3	24.0	25.1	25.4	23.7	24.1	24.3	24.3

1889AnHar...22...1P

HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO, DURING DECEMBER, 1875.

Day.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
1	10	15	15	15	10	15	10	10	5	15	10	15	15	10	10	15	15	15	25	25	20	15	20	15
2	20	15	15	10	15	5	0	0	0	5	5	5	5	15	15	10	20	15	15	15	10	5	0	0
3	0	0	0	0	0	0	0	10	0	0	10	10	10	14	20	19	19	14	26	26	27	18	15	14
4	15	21	15	18	18	15	20	12	8	9	9	13	8	9	[9]	[9]	9	11	10	[8]	[6]	19	15	18
5	14	12	19	16	12	16	21	28	34	24	29	25	21	14	20	23	21	16	15	10	13	13	27	38
6	39	32	36	36	44	47	47	34	21	31	27	18	17	23	29	26	20	17	11	10	15	13	10	10
7	12	14	11	11	9	4	7	10	8	10	10	9	9	7	5	3	2	3	4	4	6	8	9	9
8	9	8	10	17	18	14	7	9	8	15	18	16	20	17	32	34	30	38	37	31	35	34	31	30
9	29	30	26	32	35	33	33	38	32	34	33	43	44	36	33	33	31	36	30	20	9	1	8	8
10	11	11	16	19	23	20	19	23	26	27	28	27	30	28	32	34	38	40	37	34	29	31	30	25
11	22	20	18	21	25	24	26	24	19	17	20	20	21	21	24	29	36	32	27	27	27	27	28	27
12	23	21	18	22	18	18	19	17	8	1	9	20	23	22	23	21	24	24	27	28	28	25	22	21
13	26	31	34	35	38	35	43	53	42	27	21	19	21	15	15	25	26	28	27	20	25	27	31	33
14	33	33	34	35	30	32	33	24	27	35	31	24	28	29	36	38	41	42	48	52	37	33	24	18
15	19	27	22	28	26	24	25	28	35	35	32	34	42	41	45	35	24	26	40	40	44	39	28	31
16	27	27	28	27	31	38	37	35	38	37	41	38	39	31	36	29	30	30	35	40	39	34	29	32
17	35	30	32	34	33	34	33	32	32	23	23	20	21	20	22	27	26	27	30	30	29	30	25	32
18	33	36	37	38	38	36	39	34	32	34	35	33	17	13	8	8	9	11	10	11	8	8	9	11
19	12	11	19	21	21	20	23	22	21	20	25	28	28	28	31	29	26	23	27	22	17	26	36	42
20	43	39	39	42	45	31	19	18	30	19	14	13	20	19	17	16	16	15	9	8	11	15	13	12
21	13	11	11	9	9	9	10	12	12	11	8	11	8	18	20	16	16	18	22	20	15	15	15	12
22	5	0	2	0	4	7	4	1	5	0	1	0	15	19	21	23	26	8	13	10	3	0	0	0
23	0	0	0	0	4	6	1	5	4	0	8	8	1	0	0	6	9	11	17	26	29	24	30	37
24	48	51	53	44	35	30	31	26	19	19	17	16	26	[30]	[34]	38	40	36	36	45	41	44	58	50
25	44	41	35	29	25	19	17	15	11	12	19	24	26	20	18	13	12	12	17	29	32	34	35	26
26	34	36	28	35	36	33	31	[32]	[34]	36	27	23	29	25	28	40	52	54	56	53	49	48	[45]	[40]
27	[35]	28	[25]	[20]	[20]	[18]	[18]	16	14	10	[10]	[10]	8	0	3	7	11	14	13	6	9	11	10	12
28	19	23	34	39	[42]	43	[44]	48	49	40	[45]	[50]	57	59	64	63	61	55	56	54	60	56	55	54
29	46	49	47	45	[42]	40	39	29	22	19	17	20	27	47	74	49	34	35	34	33	[30]	25	28	30
30	30	26	22	16	14	18	12	11	12	8	6	5	11	[12]	12	11	11	8	4	4	6	4	7	4
31	0	1	1	0	0	0	0	1	0	3	8	9	7	11	13	10	15	20	27	32	38	32	32	32
Means.	22.8	22.5	22.6	23.0	23.2	22.1	21.5	21.2	19.6	18.6	19.2	19.5	21.1	21.1	24.2	23.8	24.2	23.7	25.3	24.9	24.1	23.0	23.4	23.3

MEAN HOURLY WIND MOVEMENT

AT PIKE'S PEAK, COLORADO,

FOR EACH MONTH, FROM JANUARY, 1874, TO JUNE, 1888.

MEAN HOURLY WIND MOVEMENT AT PIKE'S PEAK, COLORADO.

1874.																								
Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.*	23.6	23.5	23.1	24.5	24.5	23.2	22.8	22.4	21.8	21.0	21.8	21.6	22.1	22.0	21.9	23.1	22.5	21.5	20.4	20.1	20.6	19.2	20.5	22.8
Feb.	17.9	19.4	21.1	21.0	20.7	20.2	21.8	21.5	20.1	20.8	19.9	18.5	18.0	17.7	18.0	18.2	17.2	18.7	18.7	18.6	17.5	17.1	18.6	17.8
March	19.3	20.4	20.1	20.3	19.9	20.1	20.3	21.5	21.2	20.5	20.4	20.3	19.6	19.3	18.2	17.7	18.3	18.0	17.7	17.8	17.5	18.0	17.4	17.3
April	18.4	20.0	19.3	20.0	20.0	18.7	17.3	17.1	16.6	14.6	13.2	14.1	13.0	14.0	14.9	15.4	15.2	14.8	16.3	17.5	18.6	19.6	19.5	19.8
May	19.4	19.1	18.7	19.6	18.6	18.5	18.3	16.7	16.4	15.9	12.7	12.6	14.0	15.9	16.4	16.9	16.2	17.3	17.9	20.1	19.8	18.1	17.3	17.5
June	22.5	23.8	25.7	26.4	26.6	25.1	24.2	23.7	21.8	20.4	19.1	18.7	18.3	18.7	19.8	20.4	19.7	19.5	20.7	19.7	19.4	20.4	21.6	21.8
July	13.8	14.5	14.5	14.2	14.1	13.5	13.2	11.9	10.7	9.5	9.3	9.4	9.6	10.7	12.3	13.0	12.7	13.2	13.8	14.4	15.2	14.5	13.5	12.9
Aug.	18.5	19.0	18.5	18.6	19.7	19.1	17.3	15.2	13.7	12.1	11.9	12.1	12.1	12.3	14.3	16.6	17.1	16.1	16.4	16.5	16.8	18.0	17.4	17.0
Sept.	19.6	19.1	19.0	20.1	20.3	19.8	20.7	19.6	17.5	15.8	14.3	14.9	16.2	15.4	15.9	15.4	15.9	16.0	17.1	16.4	17.2	19.3	19.5	19.5
Oct.	22.3	21.4	21.3	20.6	20.5	20.7	20.9	20.1	18.8	18.3	18.3	17.7	17.9	16.5	18.8	19.2	18.9	18.9	20.6	20.8	21.9	22.3	21.6	22.0
Nov.	35.2	34.2	32.2	32.4	32.3	32.7	33.3	33.9	34.1	32.9	31.7	30.6	30.7	30.1	31.1	30.8	30.9	31.6	32.7	33.5	34.0	34.2	34.4	35.0
Dec.	24.3	25.0	25.0	26.2	24.8	24.6	25.4	24.8	25.0	25.7	24.7	24.1	24.6	24.3	23.9	22.5	23.5	22.4	22.8	23.2	23.7	23.8	24.2	24.1
Year	21.2	21.6	21.5	22.0	21.8	21.4	21.3	20.7	19.8	19.0	18.1	17.9	18.0	18.1	18.8	19.1	19.0	19.0	19.6	19.9	20.2	20.4	20.5	20.6
1875.																								
Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	28.8	27.8	26.7	27.1	27.0	26.0	26.3	26.1	28.1	28.8	28.0	26.9	29.8	29.2	28.5	26.8	27.3	26.1	27.3	26.8	26.1	28.7	28.6	27.5
Feb.	32.8	31.8	31.6	32.6	31.4	31.1	30.4	29.0	26.9	27.9	26.9	24.8	25.9	25.5	25.5	24.3	24.8	25.6	28.8	29.7	30.3	29.9	31.0	30.4
March	31.1	30.4	29.8	30.7	30.0	30.1	31.4	31.9	32.5	31.9	29.6	28.1	26.9	27.5	27.6	26.7	26.2	26.2	28.2	28.2	29.4	30.1	29.7	29.5
April	24.4	24.4	24.1	24.3	23.8	24.7	25.5	24.1	24.1	21.8	20.2	19.1	18.2	17.9	18.6	17.8	17.4	18.5	19.7	19.1	20.9	21.4	21.6	22.2
May	21.2	20.7	21.5	22.5	23.0	21.8	20.3	19.4	19.6	18.1	17.0	17.4	20.1	20.9	21.0	21.1	19.7	20.3	21.6	22.8	22.3	20.7	21.5	22.3
June†	23.4	22.9	23.3	23.5	22.5	22.0	21.9	21.3	21.7	20.4	18.3	18.0	17.8	17.5	16.4	17.8	17.3	17.0	16.9	17.1	17.0	18.2	20.0	19.8
July	11.9	11.7	12.0	11.5	11.9	11.2	10.8	10.1	9.1	8.4	8.1	7.8	7.5	8.4	9.3	10.4	10.1	10.7	11.6	11.2	11.3	11.3	11.2	11.1
Aug.	16.7	17.6	17.9	18.7	18.8	18.4	17.8	15.7	14.5	12.8	12.7	11.3	10.8	11.7	12.4	12.5	12.9	13.4	13.6	15.0	14.8	15.5	15.6	16.0
Sept.	14.3	14.8	14.1	14.0	13.0	11.8	11.6	11.6	11.0	9.9	9.3	8.1	7.9	7.9	8.8	8.4	10.5	10.6	11.3	12.3	13.2	13.0	13.3	13.8
Oct.	23.6	23.4	23.3	24.0	24.3	24.1	24.9	23.2	21.9	19.1	16.7	14.5	14.8	14.3	14.3	15.9	16.9	17.2	18.5	19.3	20.8	22.2	23.6	24.7
Nov.	26.0	25.9	25.8	25.2	24.5	24.4	25.5	26.0	24.3	24.2	22.4	21.9	25.2	24.0	23.3	23.9	24.3	24.0	25.1	25.4	23.7	24.1	24.3	24.3
Dec.	22.8	22.5	22.6	23.0	23.2	22.1	21.5	21.2	19.6	18.6	19.2	19.5	21.1	21.1	24.2	23.8	24.2	23.7	25.3	24.9	24.1	23.0	23.4	23.3
Year	23.1	22.8	22.7	23.1	22.8	22.3	22.3	21.6	21.1	20.1	19.0	18.1	18.8	18.8	19.2	19.1	19.3	19.4	20.7	21.0	21.2	21.5	22.0	22.1
1876.																								
Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	29.5	30.0	30.2	30.4	31.2	30.5	29.9	30.7	31.3	30.7	31.5	32.0	33.4	32.2	32.0	30.1	29.1	29.4	29.1	29.2	30.1	30.4	30.2	30.5
Feb.	33.4	33.2	32.8	32.6	32.1	32.8	32.6	31.8	31.9	31.7	30.7	27.5	26.2	27.3	26.8	27.0	26.4	27.1	28.4	29.3	31.3	30.6	31.6	32.0
March	30.5	31.6	31.2	30.5	30.2	31.0	31.1	30.1	30.3	29.7	28.1	26.4	24.6	23.6	23.2	23.0	24.7	23.6	25.9	26.7	26.5	27.3	28.0	28.3
April	29.3	29.7	30.8	29.7	28.6	28.2	27.3	26.3	24.2	22.8	20.8	21.0	20.2	19.8	21.8	23.7	24.3	24.8	25.8	26.8	27.7	27.9	27.1	27.6
May	22.9	22.8	23.1	23.2	23.5	21.9	21.1	21.3	21.1	19.7	19.0	19.1	19.7	20.0	19.9	20.6	20.8	22.5	22.3	22.6	22.5	24.0	23.0	23.9
June	20.8	21.5	22.2	23.0	24.0	24.0	23.5	21.4	19.3	17.0	15.1	13.9	13.3	13.4	14.5	15.7	16.2	16.7	17.6	18.7	18.6	19.3	19.7	20.4
July	11.9	12.2	13.5	14.9	14.8	14.9	14.6	13.3	11.7	10.6	10.1	9.4	10.1	10.6	12.3	13.4	12.8	13.5	13.3	13.5	12.7	12.9	12.0	12.2
Aug.	14.9	15.5	15.2	14.4	14.0	14.3	13.5	13.4	11.9	10.7	10.3	10.2	9.7	10.9	12.3	12.8	13.0	13.7	13.5	14.3	14.7	14.0	13.8	14.6
Sept.	17.7	18.5	18.9	18.6	18.0	17.3	16.3	14.6	13.1	11.5	10.9	11.1	11.1	11.9	13.0	14.1	14.9	16.5	16.8	15.9	16.2	16.7	16.8	17.2
Oct.	19.7	20.5	20.8	21.1	20.6	20.2	20.3	20.3	20.1	19.0	16.7	15.1	14.9	14.6	15.1	15.0	15.5	15.8	18.0	18.5	18.8	19.1	20.2	19.5
Nov.	23.9	24.4	25.2	26.2	25.9	24.9	23.9	23.6	23.4	23.6	24.5	23.1	23.8	23.9	23.5	23.3	23.9	24.0	25.3	25.7	25.6	24.5	23.9	23.6
Dec.‡	27.9	28.4	28.5	27.9	29.9	30.0	30.0	30.3	29.0	26.2	24.7	22.0	22.0	22.4	24.1	25.4	26.5	25.5	25.7	24.8	24.5	25.7	26.7	26.1
Year	23.5	24.0	24.4	24.4	24.4	24.2	24.5	23.1	22.3	21.1	20.2	19.2	19.1	19.2	19.9	20.3	20.7	21.1	21.8	22.2	22.4	22.7	22.8	23.0

* For 30 days.

† For 26 days.

‡ For 30 days.

MEAN HOURLY WIND MOVEMENT AT PIKE'S PEAK, COLORADO.

1877.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	24.8	24.9	24.9	24.4	24.2	24.3	25.9	25.5	26.3	26.9	27.5	26.1	26.2	26.8	25.7	25.6	25.4	25.6	26.4	25.4	24.2	25.5	26.3	25.3
Feb.	13.8	13.4	14.5	14.9	15.1	15.4	16.8	16.3	15.0	13.3	13.0	13.0	13.4	12.8	12.9	13.1	13.5	13.3	13.8	12.4	13.1	13.9	13.6	13.5
March	29.9	29.8	29.6	29.8	29.5	28.1	29.2	29.1	27.8	27.6	25.6	24.2	26.3	25.7	24.5	25.6	25.9	26.2	28.5	27.9	26.9	27.4	27.9	28.6
April	24.2	23.2	22.8	21.5	21.7	22.1	23.0	21.3	20.0	18.4	16.5	15.3	17.5	17.3	17.0	18.1	19.4	20.4	20.9	21.3	21.9	22.0	22.4	22.8
May	28.6	27.1	27.5	28.0	25.4	22.7	22.8	23.9	23.4	22.0	18.9	18.0	20.2	21.1	22.5	22.3	21.3	23.5	23.6	23.2	25.4	24.5	24.3	24.7
June	31.1	29.8	30.0	30.9	29.7	29.3	30.8	26.9	26.6	24.5	24.7	24.9	25.0	24.3	23.5	23.8	21.6	21.9	22.9	23.0	23.7	25.7	26.8	28.4
July	16.5	16.2	15.4	16.0	17.7	18.9	18.4	17.2	15.6	13.8	12.6	11.9	11.6	13.8	14.0	14.7	14.1	14.9	14.4	14.6	13.7	12.9	13.4	15.0
Aug.	14.9	14.1	14.9	15.0	15.1	15.5	14.2	12.8	11.7	10.7	10.5	10.3	10.5	10.6	12.1	12.6	13.3	13.8	13.1	12.6	12.9	13.2	13.7	14.4
Sept.	20.3	21.3	20.9	19.1	19.0	19.8	19.0	17.8	17.6	16.8	16.6	15.2	16.0	17.3	19.7	20.0	20.0	19.9	21.0	22.0	21.8	20.4	19.9	19.6
Oct.	21.2	20.0	20.4	20.8	19.1	18.5	18.3	17.3	16.5	16.6	17.5	16.2	16.8	17.9	17.6	18.3	18.5	17.9	19.2	18.9	19.3	20.0	19.3	20.1
Nov.	25.7	24.4	24.4	26.3	25.3	25.9	26.6	24.7	24.5	25.6	24.3	23.8	24.8	23.5	24.1	25.9	26.7	27.4	28.4	26.9	24.8	25.5	24.0	24.3
Dec.	18.8	17.4	17.5	18.0	17.4	17.2	18.1	16.8	15.7	15.8	15.1	15.0	16.3	17.0	16.3	17.3	17.6	17.0	18.2	16.0	16.9	17.3	17.0	17.7
Year	22.5	21.8	21.9	22.1	21.6	21.5	21.9	20.8	20.1	19.3	18.6	17.8	18.7	19.0	19.2	19.8	19.8	20.2	20.9	20.4	20.4	20.7	20.7	21.2

1878.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	24.0	23.1	23.5	25.1	24.9	23.7	25.9	23.6	22.9	23.5	23.1	22.7	20.5	20.5	21.5	23.3	22.2	20.5	22.0	20.4	20.2	19.4	20.2	21.0
Feb.	27.9	26.4	26.2	24.7	24.3	24.2	23.3	20.8	21.2	20.1	20.4	20.7	20.6	21.2	22.4	22.6	22.0	21.6	23.5	23.9	25.0	23.2	24.3	24.3
March	26.5	24.3	25.6	25.0	24.6	24.3	24.3	22.2	21.1	20.6	20.1	21.1	21.1	20.7	21.9	22.3	23.3	22.9	24.5	22.6	22.8	22.9	23.6	24.1
April	23.0	23.2	23.0	23.3	22.8	22.6	22.1	19.8	18.6	17.5	17.3	17.8	18.7	19.5	22.1	20.8	21.9	22.3	22.7	21.7	21.5	23.4	24.6	24.9
May	31.6	30.4	32.6	31.2	32.1	32.2	29.4	27.2	25.8	24.5	23.3	21.8	23.6	24.5	25.2	25.1	25.4	24.4	24.9	25.3	27.6	28.5	28.9	29.3
June	16.8	17.5	18.4	17.6	17.6	18.1	17.1	15.6	15.5	14.9	13.2	12.9	15.0	16.2	16.0	16.7	15.8	16.2	15.0	14.8	14.8	15.4	15.7	15.0
July	14.5	14.7	14.5	15.1	14.8	13.7	13.8	12.5	11.3	10.9	10.4	10.2	11.0	11.2	11.9	11.5	12.0	12.8	12.7	12.5	13.0	13.1	14.1	14.4
Aug.	9.0	9.5	9.9	9.2	9.1	9.2	8.5	7.9	7.7	7.6	7.2	7.3	8.0	7.8	7.9	7.5	7.9	8.7	8.7	7.9	8.4	9.3	9.6	8.7
Sept.	24.6	23.6	23.6	23.0	21.6	21.0	20.5	19.4	17.8	17.8	17.1	17.3	19.2	18.4	18.9	19.2	20.4	20.4	22.5	22.6	25.1	23.6	23.5	23.0
Oct.	29.8	29.5	28.4	28.9	28.4	26.8	29.0	27.5	27.8	26.9	24.7	22.9	23.6	23.2	23.4	23.4	24.3	24.9	26.8	27.0	28.5	29.2	29.9	29.3
Nov.	17.2	16.0	16.0	15.5	16.0	17.1	17.4	16.0	14.8	15.1	16.0	15.6	19.6	19.7	18.9	19.2	19.1	19.5	21.7	19.8	18.7	18.6	17.6	17.2
Dec.	23.9	22.8	22.9	22.9	24.2	23.4	24.3	21.8	20.2	19.6	20.3	20.3	21.4	19.9	18.6	19.6	20.2	21.1	23.2	22.7	23.0	22.7	23.6	22.6
Year	22.4	21.8	22.0	21.8	21.7	21.4	21.3	19.5	19.6	18.2	17.8	17.6	18.5	18.6	19.1	19.3	19.5	19.6	20.7	20.1	20.7	20.8	21.2	21.2

1879.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	26.3	27.7	29.4	28.8	28.7	27.4	28.2	27.6	28.5	28.8	27.9	26.9	28.6	28.5	28.3	27.6	28.0	26.9	28.1	26.4	25.1	24.5	24.5	24.4
Feb.	33.4	32.5	31.6	31.4	31.3	31.9	34.5	33.1	31.1	31.1	29.6	29.3	32.1	32.5	31.4	31.7	30.4	29.9	31.2	32.1	32.2	31.9	31.8	
March	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
April	22.4	22.4	22.3	21.0	21.7	21.2	19.1	19.0	18.8	17.2	16.2	15.6	14.9	16.4	17.8	20.2	22.3	24.2	22.8	23.2	24.9	25.6	24.3	23.3
May	32.6	32.6	31.9	30.6	29.3	28.8	29.2	27.6	26.6	25.1	23.3	22.5	22.6	23.5	24.9	25.3	23.4	22.9	23.9	24.5	25.2	26.8	28.2	30.6
June	17.2	17.4	17.5	16.1	16.7	16.6	16.3	15.8	15.6	15.1	14.3	13.7	14.2	14.4	15.3	15.6	16.4	16.1	15.9	15.3	17.0	16.5	17.0	17.0
July	13.4	13.2	13.4	13.4	14.8	15.9	14.2	13.2	12.3	11.8	11.2	10.3	10.1	11.6	12.0	11.7	12.7	13.1	12.5	13.3	13.7	14.1	14.6	13.6
Aug.	15.9	16.4	15.7	15.4	15.2	15.4	14.5	14.2	13.4	12.5	12.0	11.1	10.5	10.5	11.9	12.9	13.8	13.5	13.0	14.7	15.0	15.4	16.4	17.2
Sept.	13.5	13.3	13.2	13.8	14.7	14.1	13.8	12.5	11.4	11.2	10.9	10.7	9.9	11.0	11.7	10.9	11.6	12.4	12.6	12.2	12.7	13.5	13.7	14.3
Oct.	25.9	26.2	27.0	23.9	23.2	25.1	24.5	23.4	21.6	20.5	18.9	18.8	16.6	17.5	18.3	19.1	19.1	19.7	19.8	20.7	21.5	21.8	23.2	26.8
Nov.	25.9	27.4	27.0	26.8	25.4	25.3	25.9	25.5	24.0	22.5	22.1	22.1	22.1	24.6	25.9	23.9	24.9	24.7	25.2	27.1	26.8	26.1	25.7	27.0
Dec.	27.8	28.5	29.6	29.8	29.7	29.7	29.5	29.7	29.6	29.6	29.3	29.6	28.8	29.8	29.3	29.1	28.9	29.8	30.0	30.0	29.3	29.1	28.7	28.2
Year	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Record incomplete.

MEAN HOURLY WIND MOVEMENT AT PIKE'S PEAK, COLORADO.

1880.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	27.7	28.5	29.8	29.8	29.9	30.5	29.6	28.4	27.2	25.7	25.6	25.8	26.6	25.3	27.0	27.4	27.2	29.5	30.0	29.9	29.2	28.1	28.1	29.2
Feb.	28.6	28.2	28.4	27.9	27.8	27.7	28.1	28.4	28.1	27.9	26.8	27.0	28.5	28.1	28.3	27.9	26.6	26.7	26.6	27.5	28.7	28.3	29.7	30.1
March	28.3	28.5	29.2	29.1	29.3	28.5	27.0	26.6	26.0	25.2	23.3	22.8	25.2	24.1	23.6	24.4	25.1	25.0	25.0	25.0	26.1	26.5	26.9	27.5
April	24.2	23.9	23.8	24.2	22.4	22.5	22.5	21.6	21.2	20.3	18.9	18.4	20.9	21.0	21.2	23.0	22.4	21.4	22.7	22.9	24.1	24.4	24.1	23.8
May	26.7	26.4	26.7	28.6	29.0	28.8	27.4	28.2	27.4	25.3	25.6	25.2	23.5	24.1	24.5	25.6	25.0	25.6	24.8	23.1	24.4	24.9	25.0	26.1
June	19.9	20.5	21.7	22.6	22.5	22.0	20.8	18.8	18.4	17.7	16.5	14.4	14.6	14.9	15.1	15.2	15.8	15.2	15.3	15.7	17.1	17.5	17.7	18.4
July	10.6	10.8	11.9	12.3	12.5	11.8	11.3	10.0	9.9	9.4	8.7	9.3	9.5	10.7	11.0	12.8	12.8	13.2	12.5	13.4	12.7	12.5	11.9	11.0
Aug.	12.2	11.6	12.8	12.5	12.0	12.2	11.5	11.0	10.1	9.7	9.0	9.0	10.1	10.6	11.1	11.3	11.1	11.6	12.0	13.2	13.4	13.1	13.6	13.3
Sept.	16.2	16.9	17.6	18.2	17.3	16.0	13.7	12.5	11.8	10.7	10.0	9.2	9.2	10.8	12.6	12.4	13.1	13.1	13.4	13.5	13.5	13.3	13.5	14.7
Oct.	20.6	20.0	20.1	21.3	20.8	20.4	18.7	17.7	17.3	17.3	16.1	16.3	17.3	18.0	18.1	19.5	19.7	20.5	21.4	20.8	20.9	19.7	20.1	21.0
Nov.	25.3	25.8	24.6	24.3	24.3	22.9	22.0	22.0	21.0	19.7	19.7	19.1	19.4	20.8	21.5	23.5	24.8	25.9	25.4	25.6	25.5	26.3	27.1	26.4
Dec.	29.1	29.8	29.7	29.0	28.1	27.2	25.3	24.0	22.5	22.1	21.8	22.7	20.3	22.7	25.1	26.5	28.2	29.5	27.2	26.6	27.5	27.0	27.4	28.7
Year	22.4	22.6	23.0	23.3	23.0	22.5	21.5	20.8	20.1	19.2	18.5	18.3	18.8	19.3	19.9	20.8	21.0	21.4	21.4	21.4	21.9	21.8	22.1	22.5

1881.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	24.5	23.5	23.3	24.1	23.0	21.8	22.1	20.9	20.1	19.5	18.9	19.1	21.1	23.6	24.3	25.4	26.6	25.8	27.3	25.9	25.7	25.2	24.9	23.7
Feb.	28.4	26.4	25.4	27.1	27.5	29.2	30.5	29.2	27.6	27.4	26.8	24.9	24.1	24.7	25.5	24.4	25.6	25.1	25.8	27.7	28.2	28.1	29.0	30.0
March	28.2	28.2	26.8	27.4	27.8	27.2	27.0	25.4	24.7	23.4	22.5	20.4	20.1	20.3	19.2	19.9	21.0	22.0	24.0	25.6	26.9	27.4	27.7	27.1
April	19.9	20.8	22.1	23.1	22.8	21.6	21.3	19.4	18.8	17.6	15.9	14.4	13.7	15.8	17.1	18.0	18.4	17.6	18.6	19.0	19.1	18.5	17.8	18.4
May	18.5	18.9	19.0	18.5	17.3	16.0	15.6	14.5	14.4	13.5	11.8	11.2	13.4	14.4	15.0	15.0	14.6	15.4	16.4	16.0	17.0	15.8	15.4	15.9
June	18.2	17.1	16.7	17.1	17.0	16.3	16.3	14.5	13.2	13.3	12.9	12.5	13.5	14.1	15.0	16.1	17.2	16.5	16.8	15.9	17.0	16.3	15.9	17.0
July	12.8	12.3	12.6	11.9	10.3	8.3	8.0	6.6	5.6	4.9	4.8	4.6	5.9	7.0	8.6	8.9	9.6	9.0	9.9	10.5	11.9	12.3	11.8	12.1
Aug.	10.9	11.0	11.0	10.8	10.8	11.1	11.8	10.8	9.0	7.5	6.1	6.4	7.5	8.2	8.1	8.7	8.9	9.7	10.7	9.9	10.3	10.2	10.1	10.4
Sept.	24.3	22.8	22.6	22.1	22.1	21.7	22.4	21.0	19.3	17.7	15.7	14.6	16.0	16.4	17.0	18.3	18.4	18.5	20.1	20.0	20.7	21.4	21.3	23.0
Oct.	26.0	24.8	23.1	22.8	23.2	22.9	22.9	20.8	19.8	19.1	19.5	18.6	19.9	21.1	21.9	21.8	21.2	21.5	23.4	22.7	22.7	22.5	22.5	23.2
Nov.	24.7	24.0	25.1	25.7	25.9	25.6	26.1	26.3	26.0	26.2	25.8	26.0	26.6	27.6	27.1	26.8	26.0	25.9	26.0	24.6	25.7	25.6	25.1	25.3
Dec.	24.5	25.0	25.0	24.6	24.3	25.3	24.8	21.9	21.9	21.5	21.5	20.9	25.3	24.6	23.9	25.0	26.5	25.8	26.4	24.0	23.3	22.4	22.9	22.5
Year	21.7	21.2	21.1	21.3	21.0	20.6	20.7	19.3	18.4	17.6	16.8	16.1	17.3	18.2	18.6	19.0	19.5	19.4	20.4	20.2	20.7	20.5	20.4	20.7

1882.

Month	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	25.7	25.2	25.1	25.4	25.1	25.4	26.7	25.3	25.1	25.5	25.8	25.8	27.3	25.7	26.3	26.4	27.0	25.9	26.0	24.8	24.0	24.4	24.4	24.3
Feb.	21.0	19.7	19.2	19.8	20.1	20.5	21.1	22.5	23.0	23.5	21.9	21.9	23.4	22.6	20.9	20.5	21.1	21.9	22.3	21.5	22.1	22.7	21.5	21.5
March	28.4	29.7	30.3	30.1	30.5	30.8	29.6	28.3	27.8	26.2	25.0	22.4	23.8	22.7	23.2	22.0	22.1	21.4	22.7	24.1	24.8	25.6	25.5	27.3
April	23.9	24.5	25.0	24.9	24.5	25.5	25.5	24.7	22.7	21.1	19.4	19.7	20.9	21.6	22.3	22.8	21.3	21.1	23.9	24.7	25.7	25.9	24.6	24.1
May	20.7	21.0	20.8	20.2	20.7	23.3	23.8	21.9	20.7	18.4	16.7	16.7	17.3	17.5	18.5	19.8	19.2	18.5	20.7	21.9	22.2	21.6	21.2	19.8
June	22.7	22.6	23.2	24.3	23.9	23.2	24.5	22.7	21.8	20.8	18.2	17.4	16.5	16.7	18.1	19.1	18.9	19.1	19.0	19.2	20.8	19.7	20.4	21.0
July*	9.9	9.7	10.1	11.4	10.9	10.1	9.7	8.9	7.9	7.8	7.0	6.7	7.6	8.3	8.5	9.4	8.4	7.4	8.7	9.0	9.6	9.9	10.0	9.4
Aug.	8.6	8.4	8.7	8.6	7.6	6.7	6.4	5.1	4.0	4.1	4.4	4.7	5.7	6.8	7.8	8.2	8.3	8.6	8.4	8.3	7.6	7.5	6.9	8.6
Sept.†	18.0	17.7	17.3	17.8	17.2	16.8	17.0	15.5	12.7	11.7	11.1	10.3	10.7	12.2	13.1	13.3	15.2	15.3	16.3	17.0	17.1	18.5	17.8	18.1
Oct.	36.2	33.5	33.1	32.4	32.0	31.3	29.4	26.6	24.1	24.4	23.8	22.6	23.0	21.6	21.5	22.2	23.3	26.7	29.9	29.9	31.2	33.0	33.7	34.6
Nov.	23.3	23.0	23.0	23.7	23.9	25.2	25.2	22.7	19.8	19.9	17.1	17.1	17.0	15.9	16.3	17.5	17.9	19.9	22.1	23.4	23.5	24.7	24.9	24.1
Dec.‡	26.3	27.0	28.1	28.5	25.0	23.9	25.7	25.3	24.1	24.5	26.2	26.6	27.5	25.9	24.3	25.4	25.8	25.8	27.4	27.1	26.3	28.2	25.0	24.4
Year	22.1	21.8	22.0	22.3	21.8	21.9	22.0	20.8	19.5	19.0	18.0	17.7	18.4	18.1	18.4	18.9	19.0	19.3	20.6	20.9	21.2	21.8	21.3	21.4

* For 27 days.

† For 24 days.

‡ For 22 days.

MEAN HOURLY WIND MOVEMENT AT PIKE'S PEAK, COLORADO.

1883.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Feb.	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
March	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
April	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
May	25.2	25.2	26.6	25.7	27.6	27.4	25.4	22.4	21.2	21.2	21.0	18.6	18.1	19.8	19.1	19.0	21.9	22.1	22.1	20.5	21.2	23.1	24.1	24.5
June	24.7	22.6	21.9	23.0	24.5	24.3	21.7	20.1	17.9	16.3	15.6	15.6	16.6	16.9	17.7	19.2	19.8	19.7	20.1	22.6	24.1	24.5	24.3	23.5
July	15.4	16.4	17.9	18.8	19.3	19.2	17.5	15.6	13.3	12.6	10.4	10.0	10.3	11.3	12.2	12.5	12.8	13.1	13.2	12.3	12.1	13.1	14.1	14.6
Aug.	15.0	16.9	17.4	16.2	15.8	16.0	14.4	11.6	10.5	10.1	10.5	8.5	8.8	8.7	8.8	10.4	11.2	11.9	11.5	12.0	13.0	13.7	14.3	14.3
Sept.	17.3	17.1	16.4	17.1	18.4	18.4	18.5	16.1	14.6	13.8	12.4	12.0	11.2	11.3	11.8	12.0	13.4	14.9	16.2	15.4	14.0	15.9	16.9	16.4
Oct.	26.6	26.4	26.4	26.1	27.6	27.1	27.1	25.5	24.1	22.9	21.4	21.3	20.2	22.5	22.4	23.4	25.5	27.1	25.5	26.0	25.6	25.5	24.8	25.0
Nov.	27.2	27.2	25.7	24.9	24.6	23.4	23.6	22.6	22.1	21.1	23.0	22.2	22.1	20.7	21.1	23.3	25.1	25.5	27.0	29.4	29.1	27.0	27.4	26.7
Dec.	27.3	26.9	26.9	28.6	29.6	30.5	30.0	27.4	24.7	24.4	23.8	23.7	22.9	22.9	22.5	23.0	24.8	25.6	27.2	27.6	25.9	26.2	26.6	26.9
Year	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

1884.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	33.1	32.0	30.2	30.3	29.8	29.4	30.5	29.6	28.3	25.6	24.5	24.5	24.8	27.5	27.1	24.7	24.6	25.1	26.6	26.2	27.5	30.9	33.3	34.0
Feb.	33.6	33.5	33.6	33.8	33.3	31.7	30.7	28.7	26.5	25.9	25.5	25.7	25.9	28.7	29.7	30.1	30.6	29.7	30.3	32.4	33.2	34.0	33.7	33.3
March	27.9	28.0	30.1	29.0	28.9	28.3	25.2	25.2	24.2	23.8	23.6	22.5	23.0	23.6	22.3	22.1	21.7	23.4	26.3	26.9	27.8	30.0	30.0	29.8
April	29.0	29.3	29.3	29.0	27.8	26.5	23.6	21.7	20.1	16.7	15.2	14.8	16.5	17.0	18.9	20.6	21.1	23.1	23.7	25.0	26.3	27.2	27.4	27.2
May	19.2	19.4	20.1	20.0	18.7	17.6	16.3	14.6	13.6	13.8	13.6	13.5	13.7	15.0	17.1	19.1	16.5	16.9	16.6	16.7	18.0	18.9	17.5	18.1
June	21.3	21.3	21.7	20.6	19.0	19.2	18.6	16.3	14.5	14.0	13.0	13.2	14.2	17.3	18.9	19.4	19.7	18.7	19.0	19.6	20.1	20.5	20.3	20.7
July	21.0	21.8	23.3	24.0	24.2	23.0	20.5	18.7	17.0	15.4	12.7	12.0	12.5	12.8	12.9	12.7	13.0	12.5	12.9	13.9	16.0	20.1	19.7	21.5
Aug.	15.7	16.2	16.7	16.8	17.5	16.1	15.2	14.1	11.8	9.3	8.3	7.6	8.9	8.7	9.1	9.8	9.7	10.5	9.5	10.6	11.0	12.0	12.6	14.7
Sept.	28.7	31.0	31.9	30.7	30.4	28.5	26.2	24.3	23.4	20.9	17.9	17.8	16.9	16.2	15.4	15.7	15.5	17.3	18.8	22.2	22.6	26.0	27.8	28.1
Oct.	18.2	16.9	16.2	15.3	15.0	14.4	14.1	12.4	11.7	10.0	10.0	8.9	10.4	12.2	12.1	13.4	14.5	15.2	15.2	15.2	15.2	17.5	18.6	19.1
Nov.	18.8	19.9	19.7	18.6	17.6	17.5	16.8	14.5	11.8	10.2	8.8	9.0	10.5	10.0	9.3	11.4	11.2	12.1	13.7	15.0	14.5	15.3	15.0	15.9
Dec.	14.5	14.8	14.8	14.8	14.8	14.9	13.5	13.3	12.4	13.6	15.2	15.4	15.7	16.5	17.6	15.6	16.1	16.0	16.0	14.8	14.0	15.1	14.2	13.9
Year	23.4	23.7	24.0	23.6	23.1	22.3	20.9	19.4	17.9	16.6	15.7	15.4	16.1	17.1	17.5	17.9	17.8	18.4	19.0	19.9	20.5	22.3	22.5	23.0

1885.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	30.0	19.8	19.4	21.5	21.1	20.5	17.9	18.4	17.5	18.7	18.4	17.6	18.4	18.2	18.1	18.6	18.7	17.0	18.5	18.2	17.5	18.6	18.1	18.7
Feb.	19.4	19.9	20.4	20.4	19.1	17.8	18.0	18.2	18.1	15.9	15.5	15.0	14.0	13.9	12.5	12.8	14.4	15.8	16.6	18.5	19.9	21.0	20.7	19.6
March	24.0	23.3	24.2	24.5	23.9	23.2	22.2	21.7	20.3	19.5	17.7	16.2	16.0	15.5	17.0	17.6	16.4	17.6	18.5	18.9	19.5	21.4	22.8	23.5
April	24.6	25.5	26.0	26.2	25.4	23.8	23.9	20.9	18.0	15.8	15.4	15.4	15.9	16.0	16.1	16.7	17.7	19.9	21.0	21.8	23.6	23.9	25.7	22.3
May	19.9	21.5	23.1	21.8	21.0	20.8	20.6	17.7	16.1	16.2	16.3	16.0	15.8	16.2	15.7	18.5	18.3	17.8	16.5	17.6	18.6	19.5	20.1	21.3
June	23.2	21.8	24.7	23.0	20.7	20.2	19.4	18.5	17.7	17.8	17.7	19.9	19.0	19.5	20.4	19.4	18.6	18.9	17.9	18.7	18.5	21.2	21.6	23.5
July	16.2	16.5	17.6	17.6	15.5	13.9	13.5	12.4	10.9	8.9	8.2	7.4	7.6	9.4	10.6	12.1	12.7	13.5	13.3	11.8	14.4	14.1	13.1	15.4
Aug.	17.9	16.9	18.5	19.2	19.6	20.0	18.8	17.5	16.7	13.9	12.8	12.1	11.1	9.6	10.7	12.0	13.4	13.7	13.9	14.8	15.6	16.2	16.9	16.9
Sept.	18.3	19.1	18.7	17.5	17.8	17.8	16.2	15.1	13.4	11.8	11.3	10.9	11.1	12.8	13.4	14.3	13.9	14.2	14.4	15.9	17.0	17.0	16.3	17.3
Oct.	23.5	23.2	25.0	24.6	22.6	23.8	23.8	23.2	21.4	18.9	16.1	14.7	14.4	15.1	14.6	17.2	19.3	19.7	20.0	21.3	23.2	23.9	24.6	24.6
Nov.	26.9	25.8	26.4	26.7	24.9	24.2	23.9	23.2	21.3	20.5	21.4	19.6	18.9	21.0	21.4	22.4	22.9	23.2	24.4	24.7	25.4	25.6	25.9	26.7
Dec.	30.6	30.3	28.7	28.8	27.8	27.6	25.9	25.8	26.5	26.3	25.8	26.0	25.7	23.2	24.2	25.7	25.0	27.6	28.7	26.7	26.0	26.2	27.5	29.8
Year	22.9	22.0	22.7	22.6	21.6	21.1	20.3	19.4	18.0	17.0	16.4	15.9	15.7	15.9	16.2	17.1	17.4	18.2	18.6	19.0	19.8	20.7	21.0	21.6

* Record broken.

MEAN HOURLY WIND MOVEMENT AT PIKE'S PEAK, COLORADO.

1886.																								
Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	27.0	26.1	25.9	25.7	25.4	24.6	25.2	23.2	23.8	24.2	24.6	23.8	24.1	24.4	24.3	24.6	24.6	27.3	27.1	26.6	27.9	28.2	28.7	28.3
Feb.	28.7	28.8	27.4	27.4	28.8	28.3	27.9	26.8	27.3	24.0	22.4	21.9	22.2	24.1	24.8	25.5	27.1	28.5	28.3	27.9	26.4	27.4	26.9	27.4
March	32.1	31.9	32.3	33.2	31.7	30.3	29.8	29.3	26.7	24.5	22.2	21.4	21.4	23.2	23.4	23.0	22.6	24.0	25.5	25.5	27.7	28.3	30.0	30.4
April	23.4	24.5	25.2	25.2	24.3	22.5	21.1	18.8	18.3	17.6	16.3	16.9	17.3	17.3	18.2	20.2	20.2	19.9	21.1	21.8	21.7	22.5	22.6	22.1
May	23.2	24.8	25.2	24.7	23.8	24.2	23.0	22.3	20.1	19.6	19.0	16.8	14.6	14.0	15.8	16.1	15.0	16.7	18.2	17.5	17.8	18.8	18.8	22.2
June	17.1	17.0	16.7	17.1	16.7	15.5	13.8	12.3	11.5	10.8	9.4	10.4	12.4	11.7	13.1	13.4	13.9	11.9	12.4	13.8	13.9	15.5	18.2	18.6
July	14.2	15.7	17.0	17.4	16.3	15.5	12.7	11.1	9.5	8.3	7.9	8.0	8.7	10.7	11.0	11.8	10.5	10.6	9.8	11.5	12.0	11.3	11.4	11.9
Aug.	11.5	12.2	13.0	13.7	14.1	14.4	13.2	11.3	8.7	8.0	6.5	6.3	6.4	7.4	7.5	6.5	6.6	7.5	7.9	8.9	9.4	10.7	11.5	13.0
Sept.	18.9	20.6	21.0	21.4	21.4	20.0	18.9	18.7	17.5	15.2	13.7	12.3	11.5	10.9	11.4	11.9	13.0	14.5	15.3	15.7	17.0	18.7	19.0	19.5
Oct.	25.7	27.3	27.1	27.1	24.9	23.2	22.4	21.7	19.9	18.2	16.4	14.3	14.5	15.2	17.0	17.5	16.8	18.2	18.7	19.7	20.9	22.4	23.9	25.0
Nov.	30.3	30.1	29.5	31.0	32.2	30.3	28.9	29.1	27.8	27.8	26.8	25.5	25.6	26.4	27.4	29.0	29.2	31.0	30.6	31.1	31.0	31.5	30.6	30.3
Dec.	32.7	34.3	35.4	36.7	36.8	34.4	32.8	32.2	30.5	26.9	26.1	25.2	25.6	29.7	31.7	32.5	33.3	32.1	31.8	32.2	32.3	32.4	32.8	31.8
Year	23.7	24.4	24.6	25.0	24.7	23.6	22.5	21.4	20.1	18.8	17.6	16.9	17.2	17.9	18.8	19.3	19.4	20.2	20.6	21.0	21.5	22.3	22.8	23.4
1887.																								
Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	39.4	39.3	39.6	39.0	39.6	41.3	41.7	40.3	38.6	40.1	38.7	38.1	38.1	38.1	36.7	36.4	36.7	37.2	37.5	39.5	38.9	37.7	36.5	36.2
Feb.	35.2	38.5	39.5	38.5	37.2	34.6	33.4	31.8	31.4	30.8	30.8	29.0	28.9	27.8	26.4	25.2	23.4	23.1	25.7	27.8	29.6	31.8	33.8	34.4
March	29.8	29.2	28.8	29.0	27.3	24.1	21.6	19.0	16.3	15.1	13.5	13.5	14.5	14.5	14.2	15.5	17.1	19.3	20.1	22.4	26.3	27.6	26.4	28.0
April	30.5	30.1	28.9	28.5	27.2	24.8	24.4	23.2	21.9	20.9	19.8	19.8	19.2	17.9	19.1	19.4	20.1	23.3	22.1	24.6	24.2	26.2	28.2	29.5
May	21.9	22.6	22.4	22.8	22.1	20.6	16.6	15.9	15.3	14.4	13.1	13.2	12.9	14.3	15.9	15.8	14.7	14.6	17.0	18.4	18.3	18.5	19.6	20.9
June	20.9	21.7	24.8	24.2	21.3	20.5	20.4	20.3	19.5	18.5	15.8	13.7	14.3	14.9	15.2	15.5	15.7	14.4	16.0	17.8	18.3	18.1	19.6	21.0
July	15.9	17.1	17.5	18.1	17.7	16.9	15.4	13.8	12.0	10.4	10.0	9.6	9.8	11.3	12.2	12.6	13.1	12.5	13.1	13.4	13.7	13.4	14.4	14.5
Aug.	16.5	17.3	18.9	20.5	20.0	20.5	19.8	16.5	13.9	12.8	11.3	10.6	10.9	11.7	12.7	12.6	11.1	10.9	12.2	13.1	13.7	14.3	15.1	16.5
Sept.	19.1	20.9	22.8	23.9	24.3	24.3	23.4	20.0	17.7	15.8	14.5	14.0	14.7	13.4	14.2	14.6	15.8	15.5	16.3	16.3	16.5	16.1	17.7	18.5
Oct.	23.8	23.6	24.8	23.5	23.2	24.2	23.8	22.7	20.7	18.4	17.9	16.4	17.0	16.8	17.9	19.8	20.3	21.2	20.7	20.8	22.1	21.7	21.5	21.9
Nov.	21.6	22.1	23.0	22.7	23.1	21.2	22.3	22.2	20.9	19.6	19.6	21.5	23.7	24.5	24.4	23.8	23.3	23.1	23.4	22.1	21.3	21.5	22.4	22.0
Dec.	16.2	16.5	14.9	14.1	14.3	14.7	14.8	14.6	15.0	14.1	15.1	15.8	15.4	15.7	17.9	18.5	18.4	18.5	18.7	18.4	18.4	17.5	17.5	17.2
Year	24.2	24.9	25.5	25.4	24.8	24.0	23.1	21.7	20.3	19.2	18.3	17.9	18.3	18.4	18.9	19.1	19.1	19.5	20.2	21.2	21.8	22.0	22.7	23.4
1888.																								
Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	28.1	27.3	27.8	28.5	30.4	30.3	29.6	26.3	25.7	25.0	24.1	24.3	25.7	25.4	25.8	28.3	29.2	31.2	32.1	31.3	30.5	29.7	28.8	27.2
Feb.	25.9	26.7	27.3	28.4	28.3	27.1	26.1	23.8	22.7	21.0	20.5	19.2	18.0	18.9	21.6	22.5	22.9	23.5	23.5	25.0	26.6	27.9	28.0	26.7
March	29.5	29.2	29.1	29.0	27.1	25.5	24.5	23.7	22.6	20.4	19.1	19.5	19.8	19.6	19.6	21.8	24.0	25.4	26.0	26.1	27.3	28.3	30.8	31.0
April	20.5	22.1	22.7	23.3	24.2	22.3	22.2	20.2	20.0	17.6	15.6	14.6	14.3	14.6	15.5	15.9	16.3	16.0	17.7	19.7	21.6	21.3	21.1	19.8
May	27.9	28.2	29.3	29.4	29.5	27.6	24.3	21.8	19.8	17.5	16.9	14.9	16.3	17.9	18.0	19.4	19.4	19.2	19.6	22.2	25.9	26.3	25.1	26.4
June	28.0	28.5	29.0	29.4	31.2	30.0	24.5	21.4	20.9	20.4	19.1	17.0	15.9	16.1	17.1	17.2	17.8	17.6	18.4	19.9	20.6	22.1	25.3	26.6

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NORMAL HOURLY WIND MOVEMENT AT PIKE'S PEAK, COLORADO, FOR EACH MONTH AND THE YEAR.

Month.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to 12 noon.	12 to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.
Jan.	28.0	27.0	27.1	27.5	27.5	27.1	27.3	26.3	26.1	26.0	25.7	25.4	26.2	26.2	26.2	26.3	26.4	26.4	27.0	26.5	26.2	26.5	26.6	26.6
Feb.	27.1	27.0	27.1	27.2	26.9	26.6	26.8	25.8	25.1	24.4	23.6	22.7	22.9	23.3	23.3	23.3	23.3	23.6	24.5	25.3	26.0	26.3	26.7	26.6
March	28.1	28.0	28.2	28.3	27.7	27.0	26.4	25.7	24.7	23.7	22.4	21.4	21.7	21.6	21.4	21.7	22.2	22.7	24.1	24.4	25.3	26.2	26.7	27.1
April	24.1	24.5	24.7	24.6	24.1	23.4	22.8	21.3	20.2	18.6	17.2	16.9	17.2	17.6	18.6	19.5	19.9	20.5	21.4	22.1	23.0	23.6	23.6	23.4
May	24.0	24.0	24.6	24.5	24.1	23.5	22.3	21.0	20.1	19.0	17.9	17.2	17.7	18.6	19.3	20.0	19.4	19.8	20.4	20.8	21.7	22.0	22.0	22.9
June	21.9	21.7	22.5	22.6	22.3	21.8	20.9	19.3	18.4	17.5	16.2	15.7	16.0	16.4	17.1	17.6	17.6	17.3	17.6	18.1	18.7	19.4	20.3	20.8
July	14.1	14.5	15.1	15.5	15.3	14.8	13.8	12.5	11.2	10.2	9.4	9.0	9.4	10.6	11.3	11.9	12.0	12.1	12.3	12.5	13.0	13.2	13.2	13.5
Aug.	14.2	14.5	14.9	15.0	15.0	14.9	14.1	12.6	11.3	10.1	9.5	9.1	9.4	9.7	10.5	11.0	11.3	11.7	11.7	12.3	12.6	13.1	13.4	14.0
Sept.	19.3	19.8	19.9	19.8	19.7	19.1	18.4	17.0	15.6	14.3	13.3	12.7	13.0	13.3	14.1	14.3	15.1	15.6	16.6	17.0	17.5	18.1	18.4	18.8
Oct.	24.5	24.0	23.9	23.7	23.2	23.0	22.9	21.6	20.4	19.3	18.1	17.0	17.2	17.6	18.1	18.8	19.4	20.3	21.2	21.4	22.2	22.9	23.3	24.1
Nov.	25.1	25.0	24.8	25.0	24.7	24.3	24.3	23.8	22.7	22.2	21.7	21.2	22.1	22.3	22.5	23.2	23.6	24.1	25.1	25.3	25.0	25.0	24.9	24.9
Dec.	24.8	24.9	25.0	25.2	25.0	24.7	24.4	23.5	22.6	22.1	22.1	21.9	22.3	22.6	23.1	23.6	24.2	24.3	24.9	24.2	23.9	24.0	24.1	24.1
Year	22.9	22.9	23.2	23.2	23.0	22.5	22.0	20.9	19.9	19.0	18.1	17.5	17.9	18.3	18.8	19.3	19.5	19.9	20.6	20.8	21.3	21.7	21.9	22.2

PIKE'S PEAK, COLORADO.

MEAN PRESSURE FOR EACH MONTH FROM JANUARY, 1874, TO JUNE, 1888.

[17 inches + the figures in the table.]

Year.	JANUARY.				FEBRUARY.				MARCH.				APRIL.			
	5.00 A.M.	1.00 P.M.	9.00 P.M.	Mean.												
1874	.54	.53	.54	.53	.40	.42	.44	.42	.37	.39	.41	.39	.52	.53	.54	.53
1875	.37	.40	.41	.39	.44	.46	.46	.45	.39	.40	.43	.41	.62	.64	.65	.64
1876	.51	.52	.53	.52	.54	.56	.57	.56	.43	.46	.46	.45	.65	.68	.70	.68
1877	.57	.56	.58	.57	.67	.67	.69	.68	.59	.60	.62	.60	.54	.57	.58	.56
1878	.55	.53	.53	.54	.49	.47	.49	.48	.59	.60	.61	.60	.55	.58	.59	.57
1879	.53	.53	.56	.54	.54	.55	.57	.56	.69	.71	.73	.71	.68	.69	.69	.69
1880	.52	.53	.54	.53	.44	.45	.45	.45	.46	.48	.50	.48	.59	.62	.64	.62
1881	.45	.44	.46	.45	.50	.52	.52	.52	.55	.55	.56	.55	.75	.74	.74	.74
1882	.46	.48	.49	.48	.56	.57	.59	.57	.56	.60	.61	.59	.57	.60	.62	.60
1883	.40	.42	.43	.42	.54	.55	.57	.56	.65	.68	.67	.66	.52	.58	.58	.56
1884	.53	.54	.56	.55	.42	.42	.43	.42	.46	.47	.49	.47	.56	.58	.59	.58
1885	.49	.49	.51	.50	.43	.46	.47	.45	.66	.68	.69	.68	.66	.68	.68	.67
1886	.44	.45	.45	.44	.62	.62	.64	.63	.44	.48	.49	.47	.60	.63	.63	.62
1887	.41	.41	.42	.41	.46	.48	.49	.48	.72	.73	.73	.72	.62	.65	.65	.64
1888	.51	.51	.54	.52	.55	.56	.57	.56	.52	.55	.56	.54	.80	.82	.82	.81
Normal	.49	.49	.50	.49	.51	.52	.53	.52	.54	.56	.57	.56	.62	.64	.65	.64
Year.	MAY.				JUNE.				JULY.				AUGUST.			
1874	.78	.80	.80	.79	.93	.96	.97	.96	1.11	1.12	1.12	1.12	1.06	1.09	1.08	1.08
1875	.77	.79	.80	.79	.95	.99	1.00	.98	1.04	1.06	1.06	1.05	1.02	1.04	1.04	1.03
1876	.75	.77	.77	.76	.92	.95	.96	.94	1.06	1.08	1.09	1.08	1.02	1.07	1.04	1.04
1877	.68	.68	.70	.69	.88	.90	.91	.90	1.04	1.05	1.06	1.05	1.07	1.08	1.08	1.08
1878	.72	.74	.76	.74	.94	.94	.94	.94	1.07	1.08	1.08	1.08	1.10	1.10	1.10	1.10
1879	.81	.82	.83	.82	.91	.92	.93	.92	1.05	1.06	1.06	1.06	1.02	1.03	1.03	1.03
1880	.73	.75	.77	.75	.89	.94	.93	.92	1.02	1.04	1.04	1.03	1.00	1.01	1.02	1.01
1881	.85	.85	.85	.85	.98	.99	.98	.98	1.10	1.11	1.09	1.10	1.05	1.05	1.05	1.05
1882	.69	.72	.70	.70	.88	.91	.91	.90	1.04	1.07	1.05	1.06	1.07	1.09	1.08	1.08
1883	.70	.75	.76	.73	.94	.96	.97	.96	1.06	1.09	1.08	1.08	1.10	1.12	1.12	1.12
1884	.76	.78	.79	.78	.96	.97	.98	.97	1.05	1.07	1.06	1.06	1.03	1.05	1.06	1.05
1885	.76	.78	.79	.78	.94	.95	.96	.95	1.08	1.10	1.10	1.09	1.05	1.08	1.07	1.07
1886	.92	.95	.95	.94	1.00	1.02	1.02	1.02	1.13	1.15	1.15	1.15	1.10	1.12	1.11	1.11
1887	.85	.87	.87	.86	.95	.98	.97	.97	1.08	1.10	1.10	1.09	1.01	1.04	1.03	1.03
1888	.72	.74	.74	.74	.88	.92	.91	.90	...	...	...	...	...	...	...	...
Normal	.76	.79	.79	.78	.93	.95	.96	.95	1.07	1.08	1.08	1.08	1.05	1.07	1.06	1.06
Year.	SEPTEMBER.				OCTOBER.				NOVEMBER.				DECEMBER.			
1874	.92	.94	.95	.94	.87	.89	.90	.89	.62	.64	.64	.63	.62	.62	.62	.62
1875	1.01	1.02	1.02	1.02	.89	.91	.91	.90	.57	.60	.59	.59	.60	.60	.62	.60
1876	.96	.97	.95	.96	.79	.80	.80	.80	.68	.71	.70	.70	.56	.56	.57	.56
1877	.94	.93	.94	.94	.76	.74	.75	.75	.65	.63	.64	.64	.65	.65	.65	.65
1878	.91	.90	.92	.91	.77	.78	.79	.78	.74	.72	.74	.73	.51	.51	.50	.51
1879	1.02	1.02	1.04	1.03	.86	.87	.88	.87	.66	.67	.68	.67	.43	.43	.45	.44
1880	.95	.96	.96	.96	.80	.81	.82	.81	.49	.49	.51	.50	.54	.55	.56	.55
1881	.86	.87	.86	.86	.76	.78	.77	.77	.57	.58	.59	.58	.61	.63	.65	.63
1882	.94	.96	.95	.95	.68	.72	.70	.70	.71	.73	.73	.72	.56	.57	.58	.57
1883	1.01	1.03	1.02	1.02	.68	.69	.70	.69	.68	.69	.68	.68	.59	.59	.61	.60
1884	.89	.92	.91	.91	.88	.87	.89	.88	.75	.75	.76	.75	.44	.43	.45	.44
1885	.96	.97	.97	.97	.85	.86	.86	.86	.69	.69	.70	.69	.64	.64	.65	.64
1886	.95	.96	.96	.96	.84	.85	.85	.85	.58	.60	.61	.60	.62	.63	.63	.63
1887	1.00	1.02	1.02	1.01	.83	.85	.86	.85	.75	.74	.76	.75	.49	.50	.50	.50
Normal	.95	.96	.96	.96	.80	.82	.82	.81	.65	.66	.67	.66	.56	.57	.57	.57

PIKE'S PEAK, COLORADO.

MEAN TEMPERATURE FOR EACH MONTH FROM JANUARY, 1874, TO JUNE, 1888.

Year.	JANUARY.				FEBRUARY.				MARCH.				APRIL.			
	5.00 A.M.	1.00 P.M.	9.00 P.M.	Mean.	5.00 A.M.	1.00 P.M.	9.00 P.M.	Mean.	5.00 A.M.	1.00 P.M.	9.00 P.M.	Mean.	5.00 A.M.	1.00 P.M.	9.00 P.M.	Mean.
1874	4.6	9.2	3.5	5.8	2.4	3.1	- 1.9	- 0.3	1.3	9.6	3.4	4.8	4.6	12.3	6.1	7.6
1875	2.3	2.4	- 0.8	- 0.2	2.5	3.7	- 2.0	- 0.3	4.5	3.3	- 2.9	- 1.3	6.0	15.6	9.6	10.4
1876	0.8	5.6	1.0	2.4	1.7	9.2	3.7	4.8	1.5	8.7	3.6	4.6	10.7	20.5	13.5	14.9
1877	3.5	7.9	4.6	5.3	5.5	11.8	6.5	7.9	9.6	16.0	10.8	12.1	5.8	14.2	8.7	9.6
1878	- 1.3	3.8	1.1	1.3	0.1	5.4	2.1	2.5	5.9	15.0	8.8	9.8	8.4	17.0	11.4	12.4
1879	2.6	6.9	4.8	4.8	4.1	9.4	7.0	6.9	11.8	20.7	15.3	16.1	13.2	21.5	15.9	16.8
1880	4.3	9.5	5.7	6.5	4.2	3.3	- 0.6	- 0.5	0.6	10.3	4.1	5.0	8.0	18.0	12.0	12.7
1881	- 2.9	2.4	- 0.5	- 0.4	0.9	8.2	4.9	4.8	1.1	8.9	3.7	4.7	14.2	22.5	17.7	18.2
1882	0.6	5.0	1.3	2.3	3.9	8.5	5.0	5.8	4.3	13.0	7.3	8.2	9.5	18.6	12.3	13.5
1883	- 3.8	0.5	- 2.3	- 1.9	2.1	7.5	3.6	4.4	10.2	17.0	11.8	13.0	8.6	16.6	11.1	12.1
1884	- 0.4	5.3	2.3	2.4	0.3	5.0	2.6	2.6	2.2	8.0	4.5	4.9	4.0	13.0	8.4	8.5
1885	- 0.3	3.4	1.1	1.4	1.1	4.9	1.9	1.9	6.6	12.8	8.6	9.4	12.6	19.5	15.4	15.9
1886	0.3	3.6	2.0	2.0	4.4	9.2	5.1	6.2	1.4	7.5	3.0	4.0	9.1	15.6	11.6	12.1
1887	- 1.0	2.2	0.0	0.4	1.1	7.9	3.0	4.0	12.8	18.0	13.0	14.6	11.1	18.9	14.2	14.7
1888	2.8	6.6	5.1	4.8	4.7	9.9	6.5	7.1	4.9	11.7	8.0	8.2	16.6	25.8	20.0	20.8
Normal	0.5	5.0	1.9	2.5	1.2	7.1	3.2	3.9	4.6	12.0	6.9	7.9	9.5	18.0	12.5	13.3
Year.	MAY.				JUNE.				JULY.				AUGUST.			
1874	20.8	26.6	21.8	23.1	29.6	39.4	32.9	33.9	38.1	45.3	38.7	40.7	33.8	44.2	36.2	38.1
1875	18.7	27.3	21.0	22.3	28.3	40.5	32.2	33.7	31.8	39.6	34.0	35.1	32.6	40.0	34.5	35.7
1876	18.2	26.8	19.7	21.5	28.1	34.9	29.5	30.8	37.3	47.7	40.1	41.7	34.2	44.7	36.9	38.6
1877	15.5	22.4	17.2	18.4	24.5	32.3	27.5	28.1	36.1	43.8	37.4	39.1	35.5	45.0	37.6	39.4
1878	16.4	24.5	18.6	19.8	27.9	33.4	28.8	30.1	37.6	46.5	39.3	41.2	39.2	47.5	40.4	42.3
1879	21.5	31.4	24.3	25.7	28.6	39.3	31.7	33.3	38.2	48.8	41.1	42.7	34.2	44.6	38.1	38.9
1880	18.5	30.4	22.6	23.8	30.2	43.4	35.2	36.3	34.5	43.4	36.7	38.2	33.0	42.6	35.5	37.0
1881	21.6	30.3	24.2	25.3	35.5	46.8	37.4	39.9	39.5	49.7	40.8	43.3	37.7	45.8	39.5	40.9
1882	16.1	24.4	19.1	19.9	26.8	34.8	29.4	30.3	34.2	44.2	36.6	38.3	34.4	43.3	36.2	38.0
1883	15.6	23.9	19.1	19.6	28.0	35.4	30.5	31.3	35.5	44.2	37.7	39.1	34.9	43.4	38.0	38.7
1884	16.7	24.4	20.0	20.4	27.6	33.5	30.2	30.4	35.2	45.2	38.9	39.8	31.3	40.7	34.8	35.6
1885	17.6	24.8	21.0	21.1	26.2	33.9	29.3	29.8	35.4	44.6	37.7	39.3	33.3	42.2	35.7	37.1
1886	22.3	33.0	26.1	27.1	29.6	37.3	32.0	33.0	38.6	47.8	41.1	42.5	37.2	44.8	39.5	40.5
1887	23.2	31.0	25.2	26.5	33.1	41.2	34.6	36.3	35.9	43.7	37.8	39.1	34.3	42.7	37.0	38.0
1888	18.4	25.4	20.0	21.3	30.0	40.5	34.7	35.0	...	...	...	...	...	...	...	...
Normal	18.7	27.1	21.3	22.4	28.9	37.8	31.7	32.8	36.3	45.3	38.4	40.0	34.7	43.7	37.1	38.5
Year.	SEPTEMBER.				OCTOBER.				NOVEMBER.				DECEMBER.			
1874	24.9	33.5	27.1	28.5	18.2	24.4	19.4	20.6	7.9	14.0	10.2	10.7	4.6	8.5	4.6	6.0
1875	28.5	37.1	30.8	32.1	21.4	30.2	24.4	25.3	8.8	13.4	10.1	10.8	8.7	11.6	9.1	9.8
1876	27.6	38.0	30.1	31.9	18.2	25.8	20.7	21.6	9.6	13.2	10.7	11.2	3.2	7.4	4.3	5.0
1877	27.5	36.4	29.6	31.2	14.2	21.1	15.8	17.0	3.1	8.1	6.4	5.9	4.2	9.3	6.5	6.6
1878	25.2	34.8	28.2	29.3	15.7	27.1	19.1	20.5	10.7	16.6	12.5	13.2	2.7	2.0	- 0.7	- 0.5
1879	31.1	42.4	34.7	36.1	21.7	31.9	24.9	26.2	9.0	16.5	11.4	12.3	1.9	7.1	3.4	4.2
1880	26.0	35.7	29.5	30.4	15.8	22.0	17.2	18.3	- 2.1	3.0	- 0.2	0.1	5.4	8.9	6.2	6.9
1881	26.9	37.6	30.3	31.6	19.7	28.7	21.8	23.4	5.5	9.8	6.4	7.2	8.2	11.2	7.6	9.0
1882	25.2	35.1	28.0	29.4	16.4	24.2	18.7	19.7	10.9	16.5	12.4	13.3	5.3	8.9	5.8	6.7
1883	27.0	35.0	28.6	30.2	13.5	20.1	15.7	16.4	11.2	17.3	12.8	13.8	7.5	10.5	6.4	8.1
1884	27.4	38.0	30.6	32.0	21.7	28.7	22.7	24.4	10.9	16.5	12.6	13.3	3.6	8.1	4.6	5.4
1885	27.2	35.8	30.1	31.0	18.6	24.2	20.9	21.2	11.8	16.6	12.9	13.8	7.5	10.8	8.0	8.7
1886	28.8	37.7	31.4	32.6	19.0	26.0	21.4	22.1	5.0	9.0	7.3	7.1	7.0	10.7	8.1	8.6
1887	29.8	37.6	32.8	33.4	20.4	28.0	23.2	23.9	16.2	21.1	17.6	18.3	0.7	4.1	1.9	2.2
Normal	27.4	36.8	30.1	31.4	18.2	25.9	20.4	21.5	8.5	13.7	10.2	10.8	4.6	8.5	5.4	6.2

PIKE'S PEAK, COLORADO.

TOTAL PRECIPITATION FOR EACH MONTH FROM JANUARY, 1874, TO JUNE, 1888.

Year.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1874	1.32	1.16	1.17	5.20	2.98	.58	6.00	3.72	2.31	1.80	.36	.22
1875	.76	.50	1.03	.92	2.08	1.70	8.13	3.52	3.20	.38	1.54	.98
1876	.85	.61	2.08	1.11	4.83	2.91	2.20	4.63	1.60	1.51	1.06	.79
1877	1.53	1.67	1.67	3.37	2.86	3.46	2.79	2.10	2.69	3.74	.54	.41
1878	.29	1.45	3.10	4.11	4.32	3.49	5.46	6.12	2.42	.24	7.84	4.55
1879	3.71	2.66	2.20	13.15	3.26	.68	4.21	4.51	.68	.76	2.40	2.71
1880	4.26	3.34	2.79	2.04	2.17	.79	6.69	4.30	3.87	4.64	4.07	1.69
1881	2.58	1.47	4.44	4.64	3.71	.87	6.55	11.29	1.85	1.85	4.76	.56
1882	1.78	.36	2.65	1.79	12.34	3.10	2.13	3.22	.39	.40	.22	.44
1883	.54	.49	.61	1.68	2.80	1.76	5.37	2.22	1.76	.15	.07	.72
1884	.10	.76	.39	.43	2.90	.94	.41	.25	.49	.99	.12	1.50
1885	.61	3.91	.88	5.39	6.12	1.39	2.67	2.04	1.04	1.53	.87	4.03
1886	4.04	.84	4.72	6.33	.40	2.44	3.30	3.18	.72	1.31	1.07	1.17
1887	.71	.46	2.52	4.52	2.00	1.44	6.52	3.84	1.80	.45	.90	1.04
1888	.26	1.15	1.47	2.09	2.40	1.01	...	...	...	...	...	...
Normal	1.56	1.39	2.11	3.78	3.68	1.77	4.46	3.92	1.77	1.41	1.84	1.49

EXTRACT FROM DAILY JOURNAL.

SUMMIT OF PIKE'S PEAK, COLORADO.

1874.

January 11. — A lunar halo was observed at 5.42 A.M., the sky being covered with cirro-stratus clouds, while far below, the breaking day revealed a perfect sea of an unbroken level sheet of dense whitish clouds. This mass of vapor filled all ravines and cañons, covering the lower ridges and peaks, while the higher ones rose above it like islands in the midst of the ocean.

February 13. — Towards noon the wind backed to the southwest, clouds began to form, and before night set in, the peak was completely enveloped in a dense shroud of frozen vapor. It has been noticed so far that all snow-storms commence with a southwesterly wind on the summit, and a southeasterly wind below, and that the weather never clears thoroughly until the wind veers to the northwest. The duration of the southwest wind seems to depend on the amount of barometric depression, and on the rapidity with which the pressure recovers.

February 24. — Summit continued enveloped in snow-clouds till 2 P.M. As a curious illustration of the rapidity with which water boils at this elevation, the observer notes that this evening a dish-pan full of loose snow was set on the hot stove to melt, and in a very short time the water in the bottom of the pan began to boil, while the snow on top of it was yet three or four inches deep. On examination it was found that a solid crust had formed above the boiling water, but even this was not sufficient to condense all the steam, which escaped with loud hisses through its icy confines.

February 25. — The stove played one of its old tricks again this morning. Having transformed itself into a reservoir of atmospheric electricity during the night, it maliciously transferred the nimble fluid to the observer's fingers, with quite a severe shock, while attempting to start a fire.

March 7. — Day opened clear and continued till midday, when the sky became overcast and the summit enveloped in clouds. At 9 P.M. a faint whitish light was observed on the horizon in a north-northeast direction from the summit. The light resembled an auroral arch, but was very indistinct, and had only a few degrees elevation above the horizon; no motions, such as streamers or merry dancers, could be discerned. This is the first time anything like an aurora has been observed from the summit.

April 21. — While the sky was almost cloudless overhead, a grand ocean of cumulus clouds overhung the plains far below, whose heaving billows gave timely warning that they would engulf the peak as soon as the sun was powerful enough

to raise them. This took place about 9 A.M.; the temperature increased rapidly, but fell again as the dense vapory masses enveloped the peak.

May 11. — The summit enveloped almost constantly, and short, heavy showers of sleet fell during the forenoon. The rumbling of distant thunder was heard at and after midday, but no lightning was seen. At the same time the wire became heavily charged, and for about ten minutes signals could be made with the key, and during the entire day severe shocks were felt on touching the wires.

May 13. — A sea of cumulus clouds below the summit, which ascended slowly as the temperature increased, until they enveloped the peak. Snow and sleet began at 10.30 A.M.

May 14. — At 10 A.M. the wind veered to the northwest, from which quarter black threatening cumulo-stratus clouds advanced rapidly, heaving and rolling like genuine thunderheads. Sleet began as soon as they reached the peak. For three hours the summit remained enveloped. At 12 M. it hailed very heavily, the stones being as large as peas, and of soft white snow throughout, without any nucleus.

May 18. — Thunder heard and lightning seen in the afternoon to the southeast; at the same time sleet fell on the summit.

May 20. — At 11 A.M. sleet, accompanied by thunder and lightning, began. The lightning-arrester kept up a continued "sizzling" during the afternoon.

May 21. — The sky clouded towards midday, and hail and sleet fell at short intervals throughout the afternoon and evening, accompanied by thunder and lightning. A flash of fire, about two feet long, leaped from the lightning-arrester into the room, but did no damage.

May 24. — A heavy thunder-storm passed slowly and directly over the peak from 10 A.M. to 3 P.M. Large sparks passed constantly through the lightning-arrester, while a strange crackling of the snow could be heard at times. While making the 2 P.M. outdoor observations the observer heard the snow crackle as noted above, and at the same time felt on both temples, directly below the brass buttons of his cap, a pain as if from a slight burn; on putting his hands to the spot, there was a sharp crack, and all pain disappeared.

May 27. — Heavy squalls of sleet, accompanied by thunder and lightning, passed over the summit between 6 and 8 P.M.

May 29. — At noon the summit became densely enveloped, and sleet fell in short showers until evening, while the rumbling of distant thunder was occasionally heard to the south. At 6 P.M. a storm began which will long be remembered by the present occupants of this station. A violent thunder-storm,

accompanied by heavy sleet, passed over the peak from south-southeast to north-northwest. It came up so suddenly that there was barely time to cut out the telegraphic instruments before blinding flashes of fire came into both rooms from the lightning-arrester and stoves; loud reports followed in rapid succession, while outside, the noise of thunder-claps was almost drowned by the rattling of the indescribably heavy showers of sleet which followed each discharge. The storm appeared to surround the peak in all directions. At 7 P.M. a bolt struck close to the north window, and at the same time a heavy discharge took place through the lightning-arrester, which made it appear that the building had been struck and was on fire. A cloud of smoke filled the embrasure of the north window, which was afterward found to have resulted from the melting of rubber insulation on the office wires. After this discharge the storm passed slowly to the west. The observers were beginning to breathe more freely, when the wind veered to the southwest and brought back the storm in all its fury. The rattling of torrents of sleet, mingled with the incessant rolls of thunder, the blinding flashes and loud reports in the rooms, were enough to make the stoutest heart quail. The storm continued until 8.10 P.M., when it disappeared in the northeast, and sleet was succeeded by heavy snow. Nearly five inches of sleet fell during the storm.

June 2. — During the forenoon the wind backed to the southwest, and cumulus clouds began to form below the summit, which increased in numbers and size as the day advanced. At 2.30 P.M. storm-clouds advanced, with a violent whirling motion, from a point south and east of the summit, and close over the mountains surrounding the peak in that direction. The vortex crept slowly along the eastern slope of the peak, and the clouds were hurrying towards it from all directions. Over the summit they moved from the west and northwest, south of the summit from southwest and southeast, and north of it from the northeast and north. The whole mass revolved "against the sun." At the same time the clouds had a strong downward tendency, while from the centre of the vortex, dense, whitish masses of vapor poured upward like volumes of smoke. Thunder and lightning accompanied the storm, and heavy showers of sleet fell on the summit. The wind during and after the storm blew steadily and briskly from the west. At night continuous silent lightning illuminated the entire eastern horizon.

June 7. — Clear weather until evening, when a very dense smoke obscured the south and east, and rose to some distance above the summit even. Faint auroral streamers, extending some 40° above the northeast horizon, were observed at 9.30 P.M., while directly beneath them the usual sheet-lightning flashed incessantly. No trace of the aurora remained at 10 P.M.

June 18. — The sky became overcast towards midday, and a heavy thunder-storm with sleet passed over the summit between 2 and 3 P.M., advancing from southwest to northeast. Much lightning passed through the arrester, although the line-wire was connected outside with the ground-wire.

June 30. — Two strong opposing currents from the southwest and northwest appeared to encounter each other above the summit, producing airy whirls of great violence. Dark cloud-masses were formed, to be as suddenly dissolved again. This continued until evening, when the entire heavens became overcast.

It has been noticed, by closely watching the beginnings and progress of storms which were so frequent during the latter part of May, and not uncommon during June, that the great majority of them originated over the extensive parks west, southwest, and northwest of this peak, and dividing it from the main range. The lower strata of air become powerfully heated, and are probably, at this season of the year, when the surrounding mountains discharge their melting snows into the parks, heavily charged with moisture. The cold, heavy west winds descending the eastern slope of the main range, and wedging under the heated, moist lower strata, might explain the frequency of local storms on the peak during the hottest part of the day.

July 1. — A heavy thunder-storm passed over the summit from southwest to southeast between noon and 2 P.M., and sleet of remarkable size fell during its progress. The stones were of hard snow without nucleus, and many of them as large as pigeon's eggs. Violent cloud-whirls were observed before the beginning of sleet. A party of visitors were caught in the storm not far from the summit, and state that they all experienced peculiar burning sensations on face and hands, and heard a hissing sound proceeding from hair and whiskers.

July 9. — A small storm-cloud passed the eastern slope of the peak between 2 and 3 P.M., giving the first rain of the season, which fell in light, short showers. A heavy thunder-storm advancing from the southwest passed over the summit between 3.30 and 4.15 P.M., accompanied by torrents of large-sized sleet. Heavy sparks passed through the arrester during the storm. A second, but less severe thunder-storm passed over the summit between 9.45 and 10.30 P.M.

July 10. — A sea of cumulus clouds was spread over the plains far below the summit in the early morning, while scarcely a cloud was visible above; but as the sun rose higher, the vapory ocean broke up into large masses of cloud which frequently enveloped the summit in their upward course. Two thunder-storms passed the summit during the afternoon: the first from southwest to northeast; the second from northwest to southeast; both accompanied by rain, and very large and hard hail. At night the summit was capped by a cloud so small that the observer at base station could barely see it, and was frequently lit up by flashes of lightning.

July 16. — A sea of cumulo-stratus clouds covered prairie and foot-hills this morning, being several thousand feet below the summit, and remaining calm and stationary during the greater part of the forenoon. A very severe thunder-storm passed over the summit between 1 and 3 P.M., accompanied by mixed rain and hail. Sharp flashes and reports came through the lightning-arrester, to the terror of several lady visitors; outside the building the electric effects were still more startling. The strange crackling of the hail, mentioned before, was again heard, and at the same time the observer's whiskers became strongly electrified and repellent, and gave quite audible hissing sounds. In spite of the cap worn, the observer's scalp appeared to be pricked with hundreds of red-hot needles, and a burning sensation was felt on face and hands. Silent lightning was seen in all directions in the evening, and ground-currents passed incessantly through the arrester.

July 19. — The summit enveloped in dense clouds most of the day. A severe thunder-storm passed close over the peak between 1.30 and 2.30 P.M. The lightning struck the telegraph wire between the second and third poles from the house, and for a moment the wire resembled a rope of fire; it vibrated

violently for some minutes after the discharge, but no damage was done. Frequent loud discharges took place along the ground-wire, between it and the rocks on which it rests. Hair and whiskers of those outside the house were electrified by each discharge.

July 21. — Heavy hail began at 2.05 P.M., the stones varying in size, and composed mostly of solid, transparent ice. One of the heaviest thunder-storms of the season advanced upon the peak from the northwest, and appeared to remain stationary on the summit until its fury expended. The hail came down in continuous torrents until 7.30 P.M., when it was succeeded by light rain. The lightning was terrific, and the heavy crash of the thunder was heard simultaneously with each flash. Not only did the constant crackling of the fallen hail indicate the highly electrified state of the summit, but from the very rocks proceeded a peculiar chattering noise, as if they were shaken by subterranean convulsions. Heavy flashes and loud reports came through the arrester in quick succession, and although the key was open, the lightning jumped the space and worked the relay. The storm did not extend much beyond the peak, and soon cleared around the entire horizon; later, a cloud enveloped the summit, and light rain fell till midnight.

July 23. — Hail began at 12.05 P.M. in advance of a heavy thunder-storm, which passed the summit at 2.30 P.M. There was much lightning below the summit in the northeast and southeast, and heavy rain-storms were apparently prevailing over the lower foot-hills.

August 1. — At night a dense cloud rested on the peak, incessantly illuminated by brilliant though silent lightning. At 9 P.M. light rain began, and at 9.45 P.M. torrents of large hail poured down with a noise that made sleep impossible; the lightning became very sharp, and thunder was heard occasionally, but only in short and feeble peals. Hail ceased at 10.45 P.M. as suddenly as it began. Two eagles alighted not far from the house this forenoon one of them was very large.

August 3. — A heavy thunder-storm passed over the summit between 2.45 and 5 P.M., affording the novel sight of heavy snow, with thunder and lightning. A heavy, wet snow fell also late at night. Base station reported a waterspout bursted over the Colorado Divide, and all bridges washed away at Colorado Springs.

August 30. — After midday a heavy storm of sleet and wind struck the summit from the west, which continued until 3 P.M., the sleet turning to snow at 1.30 P.M. A few heavy discharges of thunder and lightning occurred at 1.20 P.M. The summit remained enveloped until night.

September 3. — At 5 P.M. the clouds enveloping the summit broke, disclosing a most beautiful view of an ocean of clouds far below the summit, above which the foot-hills rose like so many islands.

October 5. — A thunder-storm was observed in P.M., below the summit, and the electricity developed must have been very great. The observer received a very severe shock from the instrument while endeavoring to call base station.

October 9. — The atmosphere was so transparent, that with the aid of a telescope could be seen the low range of hills on the line of New Mexico, and in the north the southern portion of the Territory of Wyoming; could also plainly distinguish houses and streets in Pueblo, a distance of more than fifty miles; also a fine view of Denver, which is over seventy-five miles from the summit in a straight line.

NOTE. — A rather full extract from the "Daily Journal" for the period October, 1873, to September, 1874, may be found in the Annual Report of the Chief Signal Officer for 1874, pp. 113-126.

1875.

January 13 to 19. — Unusual dense fog prevailed.

May 14. — An eagle seen at least 3000 feet above the peak. Several have lately been seen below, but none above the summit. The summit is frequently visited by a species of snow-bird, but they do not remain long.

May 15. — Hail began at 8.15 and changed to snow at 9.20 P.M. The cloud, which rested on the peak, seemed illumined by the electrical discharges. Thunder low but continuous.

May 24. — Hail began at 3.35 P.M. At 9 P.M. it was very heavy, and accompanied by very strong electricity. At times the office seemed filled with it, while the sparks from the lightning-arrester filled the room with sulphurous smoke. The lightning struck the wire, near the house, while the observer was out with the rain-gauge at 9.07 P.M., and nearly knocked him down. The electricity increased and decreased with the fall of hail, — a fact noticed in all hail-storms at this station.

May 26. — Snow from 3.05 to 4.35 P.M. For about an hour previous to the fall of snow the peak seemed to be the centre of the storm, which was raging on all sides, with almost clear sky directly over the peak. South of the peak the clouds were moving from the southwest; west, they were from a point a little west of north; north, they were directly from the west, and moved very rapidly; while east of and somewhat below the summit they came from almost due south.

May 29. — Hail from 11.30 A.M. to 1.40 P.M., accompanied by electricity. The observer notes that in all hail-storms the fall of hail entirely ceases for about a half-minute following a heavy electric discharge, and that the hail-fall is considerably heavier for some little time following the discharge than before. Some of the stones collected were as large as peas, almost round, and formed of hardened snow. The observer failed to discover the whirling motion in front of the cloud as described by Professor Loomis.

July 5. — Hail from 11 A.M. to 1.15 P.M. Snow from 2.15 to 9.30 P.M. Shortly after noon a terrible electric storm began. At first its effects were felt or seen on the line, but at about 2 P.M. its presence was felt everywhere on the summit. From the lightning-arrester there was a constant stream of flame, filling the building with sulphurous smoke and rendering it almost unbearable; out of doors it was even worse. There was a constant cracking noise in the air, as though made by small pistols. The flashes of lightning were continuous, but not in concentrated form, the discharges presenting rather the diffused flash of heat-lightning. The thunder constant but not loud. The observer notes that at 1.30 P.M. his pulse was steady at 76 per minute; at 2.15 P.M. it had increased to 120 per minute, while his heart seemed to be rather pounding than beating.

August 10. — From 3 P.M. to 8 P.M. occurred the heaviest hail-storm the observer ever saw. The stones averaged an inch in diameter, while those fully two inches in diameter were not rare. On being broken they presented a stratified structure, with a centre of clear ice, the outer covering being of soft snow. Electricity was not so strong as in some minor storms.

September 24. — Towards noon clouds covered the summit, and until about 3 P.M. it was impossible to see any distance from the house.

October 21. — One large deer and two mountain sheep came up within 300 yards of the house this afternoon, and remained about five minutes, enjoying the scenery. The deer went down the trail, while the sheep explored the crater.

October 26. — High winds all day. During the height of the wind the air was heavily charged with atmospheric electricity. The discharges from the lightning-arrester were constant, that instrument at times appearing to be on fire.

November 30. — Observer shot at a large mountain lion this morning.

December 15. — The barometer fell steadily until 2.45 P.M., when it fell a full tenth of an inch in ten minutes; at the same time the wind rose rapidly in velocity to 99 miles an hour. The barometer rose almost as quickly as it fell, the wind decreasing in velocity as the pressure increased. The mercury oscillated slightly in falling; the wind blew in great gusts.

1876.

January 2. — By reversing the battery to-day the observer succeeded in getting signals through.

January 12. — Heavy cumulo-stratus clouds have hung low over the range most of the day. This is one of the best bad-weather signs, and is about the only one that is sure; all the rest are as liable to fail as not. Last summer, halos were a surely bad sign, but the last half-dozen seen have been followed by fine weather.

February 8. — A cloud settled down upon the summit in the afternoon, and until late in the evening the peak was completely enveloped in it. About 9 P.M. it lifted a few feet above the summit and moved rapidly from the west, and as it was very thin at this time, some very beautiful rings were formed around the moon. They do not answer to the description of either a corona or a halo, and are different from any the observer ever saw previous to coming to this station. They immediately surround the moon and begin with a ring of a bright golden color; this merging into one of greenish tinge, followed by one of a distinct blue and then by yellow; and at times, when the rapidly drifting clouds were in certain conditions between the observer and moon, two more rings were formed, for a moment, on the outside of these just described, and of much more distinct colors, — the first a bright blue, the other a yellow.

February 9. — This evening the observer noticed the curious phenomenon of the clouds dissolving as they reached a warmer stratum of air beyond the mountains. The clouds were floating over the peak, and when they reached a distance of half a mile to the eastward, they suddenly melted into obscurity, and under them the stars, near the horizon, could be seen shining brightly.

March 10. — Snow continued until 8.40 P.M. Soon after its ending the peak was enveloped in a dense fog. The nameless colored rings, frequently seen around the moon, were observed again to-night in all their splendor.

April 23. — Fog enveloped the peak in early morning, slightly lifting at 7 A.M. and again settling back on the summit; remained all day and evening. Hail began at 9.45 A.M., continued to 2.30 P.M., falling very heavily at times and accumulating on the crust of the snow to the depth of an inch.

The stones were not solid ice, but hardened snow without any appearance of a nucleus, and of all sizes up to that of a pea. During time of heaviest fall, thunder was heard once, but no other indications of electricity were perceived.

May 11. — About 11 A.M. the most peculiarly formed clouds rose from every point and surrounded the peak, not a cloud being seen at the time above. Their bases seemed to rest on the plains and surrounding foot-hills, while their summits extended far above the peak. They rose slowly, and by 3.30 P.M. had blended together, forming a perfect veil of stratus clouds. Peals of distant thunder were heard for upwards of two hours, beginning at 3 P.M. Very small hail began at 5.55 P.M. At 7.30 P.M. the wires had to be cut out, owing to the intensity of the electricity.

May 22. — Snow began early this morning, and when the observer arose, the summit was enveloped in a dense cloud and the storm was raging, and continued without the least intermission or abatement until 9.50 P.M. 3.19 inches melted snow was measured to-day, which is more than has fallen during any entire winter month since the station was established, with one exception, and is far greater than ever reported in any single storm before. It is the only storm of this winter that has been accompanied by a northeast wind for any length of time. Very heavy rain has fallen at the Springs since morning, and the storm is prevailing with great severity at places in the northern part of the Territory.

May 25. — At 6 P.M. continued thunder was heard overhead and southeast of the peak, and one long bright flash leaped out from the arrester, which was continually making the usual crackling noise. About this time, while out-doors, the observer heard a peculiar "singing" at two or three places on the wire very similar to that of crickets. When the observer approached near one of these places the sound would cease, but would recommence as soon as he withdrew two or three feet distant.

June 12. — Summit enveloped in fog during morning. From 8.30 to 9.30 P.M. an auroral light was observed in the north-western horizon. It extended from a few degrees north of west to about north, and had more the appearance of reflection from a large fire than anything else.

June 13. — A faint light in the northwestern horizon, similar to that of last night, though not so bright, was observed.

June 15. — Clouds increased in amount in P.M., and after 4 P.M. the summit was enveloped in cloud after cloud as they rose along the western and northwestern slopes of the peak. At 7.30 P.M. a hail-storm began, which continued with great fury for twenty minutes and at intervals afterwards. At first the stones were quite small, not larger than peas; but after a few moments they were of greatly increased size, many of them being fully an inch in diameter. They had a decided nucleus, around which were plain concentric formations. The nucleus uniformly consisted of hard white ice, while the concentric rings were of transparent ice, either solid or spongy, except the outer one, which was of snow. As the stones fell on the tin roof over our heads they made a deafening noise, as though millions of bullets were being rained down on the building. Thunder and lightning accompanied the storm in very liberal amount. At sunset, through the occasional openings in the clouds enveloping the summit, a beautiful sight was seen to the eastward near the horizon, where great mountains of vapor were lifted from the undulating sea covering the plains, and were covered with the deepest purple.

June 16. — At 5.30 P.M., as the observer was sitting on a rock near the monument on the eastern edge of the summit, a blinding flash of lightning darted from a cloud seemingly not more than five hundred feet northeast of him, accompanied by a sharp, quick, deafening report, and at the same time he felt the electricity dart through his entire person, jerking his extremities together as though by a most violent convulsion, and leaving lightning sensations in them for a quarter of an hour afterwards.

An assistant, sawing wood in the shed at the time, received a similar shock, and says that a ball of lightning appeared to pass through the store-room and wood-shed in which he was working, leaving a strong sulphurous smell.

June 23. — Sky assumed a threatening aspect during forenoon, being partially covered with cumulus and dark dense masses of cumulo stratus, which turned into nimbus, from which hail fell from 10.45 to 11.40 A.M., accompanied by lightning and thunder, the electricity being very heavy. Storm approached from South Park in the northwest, though the clouds moved from the east and southeast. It gradually extended until in the afternoon, when the peak, above and on all sides, was completely enveloped. Hail from 1.40 to 3.15 P.M., during which time the storm was at its greatest violence, and from that time till 4.40 P.M. snow fell. At this time the storm, having broken in the northwest, swept around on both sides of the peak, and concentrating in the east passed off in a northeasterly direction. The lightning was intense and vivid with heavy thunder.

June 27. — Sky entirely clear in early A.M., but soon after light mists of vapor rose from the valleys near the base, and increased to cumulus in the upper atmosphere. Towards noon the plains and mountains to the east and north were obscured by beautiful clouds lying perhaps fifteen hundred feet below the summit. After noon the summit was enveloped in cloud after cloud as they moved from the south. Hail at intervals from 2.20 to 7 P.M. At 6.30 P.M. rain fell for a few moments in large drops, with a temperature of 39°. Very decided displays of electricity occurred all the afternoon and evening, and many vivid sparks came into the room on the wire. Summit continued enveloped and constantly illuminated by continuous flashes of lightning.

June 28. — Upper atmosphere entirely clear in early A.M.; but the plains, mountains, and valleys around and below the peak were obscured by an unbroken sea of cumulus clouds. As the sun rose, masses of vapor were generated about the base of the peak, and gradually invested and then enveloped the summit. Hail from 11 A.M. at intervals, with occasional rain throughout the day. The storm was brought over the peak three successive times in afternoon, — first from the northward; then the wind shifted to southeast, and carried it back over South Park, leaving a dense haze and cirro-stratus clouds high in the air; but after an interval of half an hour the wind backed to northwest, and brought the entire storm on the summit, where it continued raging until 7 P.M., and passed southward.

From 3 to 7 P.M. loud peals of thunder and vivid flashes of lightning were almost constant. Startling reports and bright flashes were of frequent occurrence in the rooms, and the crackling noise in the arrester did not cease for a moment.

June 29. — Upper atmosphere nearly clear in early A.M., while the plains and mountains below the summit were still obscured by a magnificent ocean of rolling clouds; but the

vapor rapidly accumulated in the air as it rose from the valleys, and in the afternoon the peak was continuously enveloped, and snow and rain fell at intervals, while thunder and lightning were continuous. About 5 P.M. the sky nearly cleared, and showed that the clouds near the plains had been almost entirely dissipated by the rain falling on them; but shortly afterwards a heavy thunder-cloud approached from the northwest, and snow began, continuing to 7.30 P.M.

June 30. — The light clouds observed in upper atmosphere in early A.M. soon disappeared, and cumulus began to form rapidly, and by noon the heavens were entirely obscured. Hail began at 1.50 P.M., and continued for a few moments. After a short interval it began again, and continued, with a few intermissions, until 5 P.M., when the clouds partially broke away; but at 6 P.M. a heavy dark storm-cloud passed overhead, and hail fell with great violence for fifteen minutes, when the cloud enveloped the summit and snow began, continuing to 8.50 P.M. All the evening the storm raged with considerable violence, and winter scarcely ever looked more winterish than did our summer of last evening.

July 11. — The wind blew very moderately, or was calm, during most of day; but at 1.25 P.M. the summit appeared to be caught up in a whirlwind, and for a few minutes the wind blew at the rate of twenty-five miles per hour.

The direction of wind while blowing strongly was from between southeast and northeast, but it afterwards backed to north. The whirlwind passed to the northwest in a few moments, as the observer could hear it whistling in that direction after almost a calm had ensued at the summit. It probably originated in the southeast. No cloud accompanied it.

July 13. — Cirro-cumulus clouds prevailed in the morning, and steadily increased in density until stratus prevailed. Hail began at 2 P.M., and continued for fifteen minutes. A heavy shower of rain began at 2.45, and continued to 4.35 P.M. The summit was enveloped in fog most of afternoon, but cleared at evening. Near sunset the peculiar "singing" noise on the wire, previously spoken of, was heard very distinctly, and it also seemed to come from the surface of the instrument shelter and the house, as well as from the wire. Thunder was low and continuous during the afternoon.

July 14. — Summit enveloped in fog part of the day. A sea of clouds obscured the plains most of the day. Thunder and lightning continuous during afternoon and evening.

July 15. — Cirrus and cumulus clouds prevailed in the morning; but in the early part of the afternoon a dense mass of vapor formed south of the peak, and rapidly extending enveloped the summit, and rain fell at intervals from 2.20 to 6.30 P.M. Thunder was loud and continuous throughout the afternoon, but the manifestations of electricity were slight.

July 16. — During the afternoon very vivid flashes of chain lightning were of constant occurrence, though little thunder was heard. Light mists of cloud extended downward toward the plains from the sheet of nimbus above, and the lightning appeared to follow these perpendicular streaks of mist, which were so light that the flashes appeared to be outlined in the clear air.

July 18. — Clouds rapidly rose around the peak early in morning, and rain began at 10.50 A.M., turning to hail at 11.10 A.M.; and from then until 3.20 P.M. rain, hail, and snow fell alternately. Electricity was not unusually violent.

July 20. — Clouds rapidly rose from base of peak in the morning, soon enveloping the summit; and rain began at

10.05 A.M. continuing steadily to 2.20 P.M., when the fog cleared partially, but soon settled back, and summit continued enveloped.

July 23. — At 7.15 P.M. fog enveloped the summit, and rain fell with great violence, accompanied by intense displays of electricity.

July 25. — This evening there was the finest and most varied electric display in the eastern and southern sky that the observer ever saw. A few strata of clouds stretched along the horizon from east to south, and waves of golden light would sweep over them in varying shades of brightness; while brilliant flashes of zigzag lightning darted hither and thither among them, sometimes being instantaneous, and again lasting for several moments, as though a continuous stream of electricity was finding an escape.

August 6. — Hail began at 1.55 P.M., but soon turned to snow, which fell in very large flakes. The atmosphere became very highly charged with electricity, compelling the observer to remain in-doors for nearly two hours after the storm had ceased.

August 18. — During the evening the most curiously beautiful phenomenon ever seen by the observer was witnessed, in company with the assistant and four visitors. Mention has been made in journal of May 25 and July 13 of a peculiar "singing," or rather "sizzling," noise on the wire, but on these occasions it occurred in the daytime. To-night it was heard again, but the line for an eighth of a mile was distinctly outlined in brilliant light, which was thrown out from the wire in beautiful scintillations. Near us we could observe these little jets of flame very plainly. They were invariably in the shape of a quadrant, and the rays concentrated at the surface of the line in a small mass about the size of a currant, which had a bluish tinge. These little quadrants of light were constantly jumping from one point to another of the line, — now pointing in one direction, and again in another. There was no heat to the light, and when the wire was touched, only the slightest tingling sensation was felt. Not only was the wire outlined in this manner, but every exposed metallic point and surface was similarly tipped or covered. The anemometer cups appeared as four balls of fire revolving slowly round a common centre; the wind-vane was outlined with the same phosphorescent light, and one of the visitors was very much alarmed by sparks which were plainly visible in his hair, though none appeared in the others'. At the time of the phenomenon snow was falling, and it has been previously noticed that the "singing" noise is never heard except when the atmosphere is very damp, and rain, hail, or snow is falling.

September 13. — Upper atmosphere nearly clear, but an ocean of clouds obscured the view on all sides throughout the day.

September 18. — Summit enveloped in fog, and snow falling heavily during morning. Summit again enveloped in evening, and the snow recommenced.

September 27. — Summit enveloped considerable portion of the day. Thunder heard in the afternoon from a bank of cumulus clouds northeast of the peak.

November 10. — Calm prevailed from 5.30 to 8.30 A.M., a longer period than the observer ever knew it to continue.

December 17. — Plains partially obscured during morning, and snow reported falling at Colorado Springs. Clear weather prevailed overhead.

December 22. — Wind unusually moderate during the day, not rising above twenty miles per hour, and at times decreasing to almost calm. This is the first instance noticed of snow falling with so low barometer (29.45 inches) without being accompanied by strong gales.

A violent wind and snow-storm is reported at the Springs, which is another instance of what has frequently been noticed, — that high winds do not prevail on the peak and neighboring plains simultaneously.

December 26. — Barometer still continues low, having fallen below that of yesterday. Fog and snow have continued steadily; both very light. The continued depression of the barometer is very remarkable; for seven days it has been below the mean, steadily falling lower and lower. The observer has never known it to remain so low for so long a time on the peak before, and being low, has never known so little severe weather accompanying it. Surely the effects of the continued depression are being felt elsewhere, if not in this immediate vicinity.

1877.

February 23. — Light fog enveloped the summit at intervals, and light snow fell for a short time after noon. Very peculiar clouds hung over the plains during the day, being similar in appearance to the phenomenon described in journal of October 3, 1876; but while the latter was a case of very dense haziness, so that on the plains objects could not be distinguished more than three miles away, the phenomenon of to-day appeared more of the consistency of a light fog, into which one might see for a distance, but which far away would obscure the view. It did not extend to the plains, as assistant at lower station reported lower atmosphere clear.

February 24. — Clouds formed in dense masses of vapor from the valleys below, similar to the heavy thunder-clouds of summer, and enveloped the peak at intervals during the afternoon.

February 26. — Summit enveloped all day. Snow from 4.15 to 8.35 P.M. The southerly and easterly winds, which have prevailed steadily for the past few days, are exceedingly uncommon.

March 13. — A curious little animal, supposed to be an ermine, seen in wood-shed this morning. It was about six inches in length, had a long, slender, and graceful looking body, a long tail, and was as white as freshly fallen snow. Have never heard of anything like it having been seen here before.

March 27. — In the morning a uniform sheet of stratus cloud hung over the peak, which steadily extended outward and downward until the summit was enveloped. Heavy dark masses of vapor were seen hanging over the mountains and valleys around, and especially in the south and southwest, their formation being like that of summer thunder-clouds. At sunset the observer heard, on the wire, the peculiar "singing" or "sizzling" noise, which was referred to in journal several times last summer, and which was generally heard when the air was moist, very quiet, and heavily charged with electricity.

April 6. — Hail fell a few moments at 10 and 11 A.M., and during the middle of the afternoon frequent crackling at the arrester gave evidence of electricity.

April 10. — At sunrise the sky was covered with uniform stratus clouds, while a sea of cumulo-stratus obscured the

plains; but the summit soon became enveloped, and fog with light snow continued during the day.

April 11. — Day opened with northeast winds, dense fog, and heavy snow, which continued. This is the only storm in which the observer has noticed that the wind backed through the easterly points of the compass.

April 23. — During the morning the plains were obscured by a sea of cumulo-stratus cloud, but this disappeared by noon. The clouds overhead increased in amount and density, and the summit was enveloped toward the latter part of the afternoon.

April 26. — During last night the wind backed to the northeast, and at daybreak was blowing from that direction, with the summit enveloped in the densest of fogs, and snow falling heavily. The northeast wind, dense fog, and heavy snow continued without intermission during the day. The backing of the wind through the easterly points of the compass, as mentioned in journal of the 11th inst., is the second exception of the kind noticed.

May 24. — Summit enveloped at 6.30 A.M., and snow continued to 7 A.M. Throughout the day the summit was enveloped at intervals, and when it was clear, dense masses of vapor were seen on all sides over the plains and mountains. The electricity was strong during the day, and both observers received some very severe shocks. Thunder was very loud at times.

May 25. — Snow ended at 3.15 P.M., but sky continued cloudy, and at 9 P.M. was covered with dense cumulo-stratus clouds moving from the southwest, and in these, flashes of lightning were frequent and brilliant in the north and northeast. Thunder and electricity were loud and strong during most of the day.

June 3. — Snow began at 10 A.M., and continued alternately with hail during the day. Thunder and electricity loud and strong during the afternoon.

June 18. — Hail from 6.15 to 6.35 P.M., with loud thunder and intense electricity.

July 27. — Hail and snow at intervals during the afternoon. Electricity very intense.

August 6. — Fog enveloped the station at 5.30 P.M. Hail-storm from 8.50 to 9.25 P.M., accompanied by intense electricity. All metal objects were tipped with sparks, and very loud reports accompanied the lightning.

August 9. — A dense haze obscured the plains in early A.M.

August 22. — A very dense haze rested on the plains during the morning.

September 3. — The view at 5 A.M. was singularly beautiful. The sun came up clear and bright, its light shining apparently across an ocean of frozen water. A heavy veil of stratus clouds covered the plains and were banked against the mountains.

September 24. — Very severe lightning during evening, which attended a very heavy rain at the Springs.

October 3. — Clear above, but heavy clouds hanging over the plains.

October 5. — Heavy snow-clouds above the peak, while below no clouds were seen.

October 12. — At 11 A.M. a heavy cloud came over from the west and enveloped the peak; violent thunder followed. At noon the summit was in the midst of a very heavy thunder-storm, which passed to the plains at 1 P.M., affording an excellent observation on the formation of hail. The rotary movement of the hail-cloud could be plainly seen, and with

every violent flash of lightning the passing cloud would grow perceptibly darker, indicating increased condensation. The hail formed by this cloud must have fallen about three miles below, for the wood-packers reported quite solid hail at timber line and none above. This verifies the theory that a hail-cloud can be transported laterally several miles while the ice stones are forming.

October 13. — During the afternoon the atmosphere was highly charged with electricity, and very heavy rain fell at base of mountain.

October 15. — Soon after 5 P.M. the weather very suddenly cleared on the summit, leaving a small portion of the extreme peak standing in an immense cloud sea.

November 2. — A faint auroral light appeared in due north, having the segment of a circle, above the horizon, from which a diffuse illumination ascended to a height of 40°. It gradually grew more brilliant till 8 P.M., at which time the arch was higher and plainer, and the divergent illumination ascended to an altitude of 50°, but no streamers or beams were visible. For several hours it underwent but few changes. At midnight it grew much fainter, soon drifting into obscurity.

November 5. — The apparent frozen sea, caused by the clouds resting on the plains and parks, existed during forenoon, and cold, threatening weather reported from lower station.

November 6. — During the greater portion of the day the peak was enveloped in a heavy cloud, but no precipitation occurred.

November 13. — Snow throughout the day, falling quite heavily at times. The electricity appeared to be very intense.

November 18. — At 8 P.M. the moon was encircled by the narrow ring of a remarkable lunar halo. Although of only 12° radius, it showed plainly all the prismatic tints of the rainbow. The air at the time was filled with quite dense snow-flakes, which appeared to come from translucent clouds, but did not reach the ground in any perceptible amount. It was this condensed vapor in the form of large flakes that formed the halo, and the brilliant hues and narrow circle are attributed to the immediate nearness of the clouds.

November 22. — Gale during evening, and temperature rose. It is noticed that on any springing up of a gale, especially from northwest, the temperature suddenly increases several degrees. This fact is attributed to the sudden transportation of warm air up the mountain-side from the heated plains below.

November 25. — At 7 P.M. a brisk snow began, and continued into the night, attended by very intense electricity, which could be heard crackling in the hair continuously, although there were no reports of thunder.

December 4. — Snow continued throughout the day, ending at 6.15 P.M. It is invariably noticed at this station that the flakes are very minute in snow-storms, in frequent cases being only frozen fog.

December 12. — Late in the afternoon a misty cloud came up from South Park, and the sun's action upon it presented a beautiful fog-bow to the east, showing the prismatic colors very distinctly, the circle being entirely complete, as viewed from the east edge of the peak.

December 18. — Beautiful halo surrounded the moon in evening, which was very small and well defined owing to the nearness of the vapor prisms.

December 19. — Another beautiful halo in evening, and a turbulent sea of cumulus clouds over South Park.

December 20. — Another beautiful halo around the moon during evening. These lunar halos seem to appear every night when there is a moon and light upper clouds.

December 26. — The atmospheric electricity was very intense during the day, and at times would crackle on various objects in the room.

December 27. — Heavy lower clouds in the foot-hills, which extended to timber line, where the sun's action on the vapor produced beautiful prismatic colors.

December 31. — All observations on the character of sunset predictions have been verified for the past month. At this season of the year, if the sunset is clear, with short twilight and definite horizon, the ensuing day will generally be clear; but if the evening sky is red, with long twilight and murky clouds, or other impurities over the plains and valleys, precipitation may be expected. It is also noticed that storms on the summit are generally preceded by precipitation in South Park.

1878.

January 8. — Very angry cumulo-stratus clouds suddenly assembled west of and below the peak, and with a sudden gust overspread the summit, making the office very dark. In an instant, however, the cloud disappeared and the bright sunlight came down powerfully. These changes occurred in rapid succession for several hours during the afternoon.

January 9. — A terrible gale prevailed during the night, reaching ninety miles per hour, and continued with diminishing force during the day. It came from nearly due northwest, and was attended by a rising temperature.

January 13. — In the afternoon there was a peculiar fog over the plains, or what is called the "Swide."

January 19. — Brilliant lunar halos seem to be more numerous here than at lower stations, and the cause is very apparent. Whenever there is a cirrus cloud it must necessarily be very delicate, owing to the great elevation and very dry air, and these delicate clouds always produce halos.

January 25. — In afternoon several thunder-storms occurred in the surrounding parks and gulches, and the variation in color caused by the sun shining on these thunder-clouds was very beautiful. The electricity on the mountain summit was very intense, and there was a continuous snapping at the lightning-arrester.

February 5. — Beautiful formation of clouds during the day. While a covering of high upper clouds prevailed, the plains and parks were obscured by lower clouds. The upper strata moved north at enormous velocity, and the lower strata moved with the surface current. The illusion from these opposite directions made the mountain summit appear to revolve. This illusion was only noticed for a short time in forenoon.

February 6. — Snow drifted during the night, forming in one place a bank fully thirty feet high, directly on the plaza of the mountain. It is remarkable that in every snow and wind storm the drifts form on the most exposed points.

February 7. — Snow began falling in intermittent showers at 12.15 P. M. It frequently falls here in spasms, which follow one another in rapid succession, and between them the sun shines brightly.

February 28. — Observer, coming from the lake, encountered a severe electric storm at timber line, in which his hair cracked and he experienced a severe burning all over the head. He said he thought his eyebrows had scorched off.

March 5. — Heavy haze obscured the plains during evening, which always presages a summit storm.

March 6. — The atmospheric electricity was very strong on the summit during the day, and it was difficult to work the line on account of the passage of frictional sparks.

March 7. — Snow commenced at 7.30 P. M., and the wind diminished somewhat; but from the electrical condition it is thought the heaviest part of the storm is coming.

March 8. — The storm augmented during the past night, and at 7 A. M. is raging furiously. About 3 A. M. the wind registered ninety miles per hour, and would surely have run to one hundred and twenty miles if the cups had not been retarded by the snow. At 10 A. M. the corrected barometer was 29.16, the lowest pressure ever recorded at the station, and marked the centre of the storm.

March 9. — Very cold throughout the entire day. In afternoon the clouds broke away, and looking down we could see that the storm of yesterday had unroofed the Lake House and prostrated the timber for several miles.

March 17. — The papers received to-day record the storm of the 8th and 9th as one of the severest that ever occurred in the Rocky Mountains; and in the vicinity of Cheyenne, Wyo., the loss of life and property is very large. One herd of ten thousand sheep all perished, with several ranchmen who were herding them.

March 18. — A short time after sunset a very dense fog-frost enveloped the summit and prevailed into the night. This is the first fog we have had for four months.

April 7. — Hail from 10.40 A. M. to 12 M. It is believed that in case a small hail-cloud should be present below the summit we could see plainly the rotary movement. When the cloud is exactly on the summit we are too far towards its centre to notice the revolutions.

April 21. — Snow during the day. At this season the flakes are very small, and in a high wind will penetrate the smallest orifice.

April 22. — Heavy thunder-clouds hung over South Park during the day, and at times the electricity was intense on the summit, but no discharges occurred. There was an incessant crackle at the lightning-arrester, and on moving the head one's hair would crackle.

April 27. — During afternoon a severe thunder-storm occurred in the western valleys. The electricity was intense on the summit, and the formation of the clouds beautiful.

May 7. — Very heavy thunder on all sides during forenoon; were compelled to cut out all the wires.

May 8. — Sleet commenced at 4 P. M., and continued into the night. The progress of this storm was observed with great interest with reference to the origin of rain. It would seem from this sleet that Hutton's theory of rain is not based on mountain observations, and the observer is now led to believe that the origin of our summer rains is the same as that of hail, and that two masses of air never come together or collide in such a manner as to produce direct and copious precipitation. It is believed that every rain-drop has its origin in a compact ball of snow, which melts in descending through warm air.

May 9. — Heavy clouds and thunder below the summit. During afternoon cumulus clouds appeared over the plains in

such a manner that their vertical thickness could be accurately estimated. The veil was very uniform, and did not exceed one hundred feet in thickness.

May 11. — Heavy hail fell from 7.30 P.M. to 8.30 P.M., attended by severe electricity. Each hailstone consisted only of compact snow, which, when melted, made but a drop of water.

May 12. — Snow, drifting furiously during the night. The electricity, varied with wind-gusts, was so intense at times as to render our position exceedingly dangerous. The telegraph wires were cut out, but violent sparks still jumped six inches between disconnected windows. One violent discharge seemed to have occurred in the chimney, for a terrible commotion was caused in the soot and ashes.

May 17. — Hail, at times quite large, attended by faint thunder.

May 20. — Dense haze prevailed during afternoon, obscuring plains and upper clouds.

May 21. — Snow, followed by heavy thunder-storms below the mountain. At sunset large masses of thunder-clouds filled the parks and valleys, while on the eastern plains the mountains cast endless shadows, between which were broad, illuminated spaces, showing very distinctly the relation of night and day.

May 24. — Snow began at 8 P.M., with severe electricity, and the latter was very intense for an hour. The telegraph wires had to be cut out and parted, and a vivid glaring was continuous in the windows. A lamp in the north window would with its flame cast a shadow on the opposite wall for several seconds.

May 26. — Heavy clouds most of the day, with electricity at times, and north wind.

May 27. — Several thunder-storms occurred below the mountain. Heavy clouds at times capped the peak, but no precipitation occurred. The wind seemed to increase and diminish with the intensity of the local storms below the summit, a fact noticed in every disturbance at some distance from the summit.

May 29. — During evening the wind rose to eighty miles per hour, blowing toward a heavy local storm which prevailed on the plains about twenty miles away to northeast. It is remarkable that whenever a heavy thunder-storm develops on the eastern plains, the prevailing westerly wind rises to a gale, blowing toward it.

May 30. — Heavy haze hung over mountain during the day.

June 3. — Air appeared to be highly charged with electricity.

June 5. — Snow from 1.30 to 2.30 P.M., attended by severe electricity.

June 8. — Very heavy thunder-storms occurred in South Park during the afternoon, and as the weather cleared at sunset, spots could be seen on the plains where heavy hail had fallen.

June 9. — A very dense haze hung over the plains at times, and there was a most wonderful mirage, in which the foot-hills appeared to be nearly as high as the summit.

June 10. — A heavy hail-storm began at 1.20 P.M., ended 5.40 P.M. The electricity was very intense, and balls of compact snow fell fully half an inch in diameter.

June 15. — Line working hard on account of intense electricity and thunder-storms below the mountain.

June 25. — Hail from 3 to 4 P.M., which was attended by very severe electricity. The wires had to be cut out, and

great danger was felt in the office. Intense electricity again in evening from storms below the summit.

June 26. — Heavy fog on summit until 10 A.M., forming a white coat on all objects. Thunder-storms prevailed below the summit, with heavy rain at Colorado Springs.

June 29. — During afternoon a most wonderful storm was witnessed in South Park, about fifty miles away. Small fragmentary clouds coming from the Snowy Range assembled rapidly in dark masses which assumed the shape of an inverted cone. The cone once formed, small clouds could be seen drifting rapidly in all directions from the centre. At 4 P.M. the inverted cone, having been nearly stationary for about forty minutes, suddenly began to rise, like an immense balloon, and upon attaining considerable height gradually lost its form and soon after dissipated. A white spot of ten or fifteen acres showed that it had been a tremendous hail water-spout, the hail not disappearing till nearly sunset. At this season there is an excellent opportunity of observing local storms in the valley and on the plains.

July 2. — Sleet from 2.55 to 7 P.M., attended by intense electricity. At 3.20 P.M. a violent lightning explosion occurred in the room, near the stove, scattering the wood and knocking down the stovepipe.

July 29. — Full description of eclipse can be found in Annual Report, C. S. O., 1880, pp. 824 to 853.

October 5. — Heavy cumulus clouds over the plains, below the summit, presented a grand sight.

October 24. — At 8.30 P.M. heavy cumulus clouds rose to the summit and capped it, and at 9.15 P.M. a light snow fell.

October 25. — Very heavy cumulo-stratus clouds hung over the plains and extended above timber line all day, presenting a grand scene.

A remarkable storm occurred at the base, October 26 and 27. On the 26th snow began falling at Colorado Springs and vicinity, and continued till it reached a depth of six inches, while on the peak less than two inches fell.

December 15. — At 8 A.M. a brilliant halo observed around the sun, having a diameter of 45°. Its observed duration was five minutes. No parallel bars. It was exceedingly bright, and had all the colors of the rainbow.

1879.

January 26. — At 6.45 P.M. ill-defined zodiacal light observed. Duration, 4'. Formed an angle of 15° with horizon. Inclination, south. Light, faint yellow. Outlines ill defined. Apex, 10° above horizon. Brightest axis apparently north of geometrical. Lines, arcs of circles.

February 20. — Zodiacal light observed at 6^h 14' 26". Local time of sunset, 5^h 54'. Sky very clear. Light faint, with no particular spots, and brightest north of geometrical. Angular length of geometrical axis, 20°. Breadth of base, 10°. Shape, parabola. North outline well defined; south ill defined. Inclination south, 30°. Light slowly flickering and of a yellowish white. Duration from 6^h 14' 26" to 6^h 17' 30".

February 21. — The grandest and most distinct zodiacal light observed this evening ever witnessed from Pike's Peak. The local time of sunset, 5^h 53'. Zodiacal light observed at 6^h 12' 20"; sky very clear; light very bright. Three distinct strata observed. The centre (A) the longest and brightest. Inclination south, 25°. Brightest axis in each strata north of geometrical. Angular length of centre stratum (A)

30°. Length of stratum, (B) 25°, of (C) 22°. Distance from horizon to apex of (A) 25°, to (B) 27°, to (C) 23°. Breadth of each stratum, 10°. Outlines of each, arcs of circles. North and south outlines well defined. Brightness uniform throughout. The most remarkable feature was the steady pulsation. The light of each stratum shot out in length to a distance of 45° at intervals of five, seven, and ten seconds. The pulsation observed during the entire duration, and the intervals of pulsation were never less than five nor more than ten seconds. The pulsation in breadth observed at the same time as that in length, but that in breadth was very little, and not as distinct as the length. During the pulsation there was a slight increase in the intensity of light. Duration of pulsation too small to be measured. It occurred almost as a flash of lightning. The strata began to fade at 6^h 17' 40", and rapidly disappeared.

February 24. — Zodiacal light observed in morning. Local time of sunrise by our clocks, 6^h 34'; by the table, 6^h 31'. Two strata observed. Outlines of upper, well defined; of lower, ill defined. Color of sky in vicinity of the light, light purple. General sky partly cloudy. Duration from 6^h 7' to 6^h 13' 15". In inclination south, 60°. Brightest outline north of geometrical. Light, steady and of a whitish yellow color.

March 6. — Zodiacal light observed. Inclination north 10°. Distance from horizon to apex, 25°. Diameter of base, 10°. Brightest axis south of geometrical. Light, steady and of a yellowish hue. Duration from 6.36 to 6.48 P.M. Very bright and prismatically colored corona around the moon observed at 9.20 P.M.

April 4. — At 2.30 P.M. a thunder-storm began over South Park, and passed over the summit at 2.40 P.M., when a light sleet began falling, and continued at intervals until 5.35 P.M. At 5 P.M. a second thunder-storm gathered west of the peak and passed to the northwest of it, accompanied by heavy thunder and vivid flashes of lightning.

April 10. — The telegraph line heavily charged with a ground-current of electricity this evening.

April 12. — Fog at 1 P.M. Thunder and lightning at 5.15 P.M. The storm increased in violence until it ceased at 8.50 P.M. The electricity was unusually intense; very brilliant sparks were jumping from the arrester all the evening.

April 14. — During the time a thunder-storm was hanging over South Park, the heavy cumulus clouds that were below the peak all day began forcing themselves up the east side of the mountain, rushing several hundred feet above the summit, and then rolled back over the top towards the east again, caused by the expansion of the lower stratum of air. At 1.30 P.M. they began to roll together from the east and west, meeting over the summit, soon obscuring the sky, and at 3.40 P.M. a light snow began falling and still continues.

April 16. — Snow ended at 3.15 P.M. This has been the severest storm on the summit this winter. 5½ feet of snow have fallen.

April 26. — At 12 M. the distant peal of thunder northwest of the peak announced the approach of a thunder-storm. At 12.25 P.M. it had reached the summit, and sleet and snow began to fall. By 12.45 P.M. the first storm had passed, and the sun shone brightly for a quarter of an hour, when another storm from the southwest enveloped the peak. At 2.45 P.M. a more severe storm came from the northwest, accompanied by very intense electricity and heavy thunder. During the continuance of this storm, from 3.07 to 3.20 P.M., two inches of sleet

and hail fell, ranging from ¼ to ½ inch in diameter. Every piece examined was in the shape of two cones joined at their bases, with streaks from the centre to each cone, and looked as though they had been under a heavy pressure and had popped out, or the pressure had slid off, forcing them together at the base. There was no ice in their composition, though they were hard; they could be crushed between the thumb and finger, when they would crumble into fine snow, and before they were mashed were white as snow. During this heavy fall of sleet, loud peals of thunder followed one another in quick succession, and seemed to hang right on the summit. The wind was very changeable between the north and west, veering and backing by the northwest corner, showing decidedly more than one current, as it would change in a second from direct north to west, and the reverse. This storm continued until 8.30 P.M.

May 14. — Snow began at 1.40 P.M., ended at 2.30 P.M. The first that fell was a round solid mass, the form of hail, and about the size of buckshot. It was not frozen, and could be easily crushed in the hand. Shortly after, it changed to light snow.

May 27. — Electricity on the wire interrupted the circuit at sunset. Sparks have been flying from the lightning-arrester during afternoon and evening.

June 16. — Light sleet, accompanied at 1.10 P.M. by thunder. Only a few peals were heard, when it gave way to a strong, steady current over the wire, and from 1.15 to 1.35 P.M. one of those electric storms peculiar and common to Pike's Peak prevailed. A queer hissing sound issued from the telegraph line, the wind-vane post, and another post standing in a deep snow-drift near by. Observer stepped out to view the phenomenon, but was not standing in the snow-drift long, when the same buzz started from the top of his head; his hair became restless, and feeling a strange creeping sensation all over his body, he made quick steps for the station. Once inside upon the dry floor the effects soon left him. After getting inside he opened the telegraph key and found a continuous bright spark passing between the key and the anvil, even when they were separated ½ of an inch apart. By putting two thicknesses of writing paper in this space, it was scorched, and perforated by numerous burnt holes. By accident he completed the circuit with both hands, when he received a shock that set him back on the floor.

June 29. — At 11.10 A.M. a thunder-storm reached the peak, accompanied by sleet, which lasted until 11.30 A.M. The atmospheric electricity was very intense. At 11.19 A.M. a bolt passed through the arrester with a report exceeding that of a rifle, and threw sparks all over the office. It was followed in an instant by terrific thunder.

July 10. — A severe hail-storm began at 2.15 P.M., accompanied by terrific thunder and intense and vivid flashes of lightning, which constantly jumped from the telegraph instrument. At 5 P.M. the hail turned to snow, and ceased at 5.30 P.M., the wind being gentle throughout. On stepping to the door at 6 P.M., observer states that he felt a peculiar sensation about the whole body, similar to that of an awakening limb after being benumbed; that his hair stood straight out from his head, and seemed to produce a peculiar "singing" noise, like that of burning evergreens; the telegraph line and all metallic instruments producing a noise like that of swarming bees. When he put on his hat, the prickly sensation became so intense that he was compelled to remove it, his forehead smart-

ing as though it had been burned, for fully three hours after. At 7 P.M. the electric storm had ceased.

July 15. — At 3.27 P.M. began one of the most severe hail-storms of the season, accompanied by heavy thunder and vivid lightning; first sheet, then zigzag and chain lightning, the most startling and vivid ever witnessed by observer at this station. The hail was the size of bullets, and came down with nearly as much force. Storm ended at 5.15 P.M.

August 11. — A thunder-storm passed north of the peak between 1 and 2 P.M. Another struck it from the northwest from 4.15 to 5 P.M., accompanied by hail. There was a great amount of atmospheric electricity during its passage.

August 12. — At 5.40 P.M. a bolt of lightning went through the arrester with the report of a rifle, throwing a ball of fire across the room against the stove and tin sheathing. At 6.35 P.M. the lightning struck the wire and building at the north end, where the wires come through the window and arrester, with a crash equal to any 40-pounder. It burned every one of the four wires coming in at the window into small pieces, throwing them with great force in every direction, and filled the room with smoke from the burning gutta-percha insulation. The window-sash was splintered on the outside, one pane of glass broken, and another coated with melted copper. The anemometer wires were also burned up, and the dial burned and blown to pieces. The electricity was still very intense as the storm passed below. One piece of the telegraph wire was thrown with such force that when it struck the barometer, three feet distant, it was wound around it, without however doing any damage to the barometer.

September 5. — The large fires that are raging south and west of here have filled the atmosphere with smoke, so that it is impossible to see Colorado Springs, only twelve miles distant.

October 5. — Heavy bank of smoke below the peak and extending over the plains.

October 6. — The heavy bank of smoke that was hanging over the plains was dissipated by the high winds.

October 24. — A faint zodiacal light observed at 5.54 P.M. Local time of sunset, 5.15 P.M. The light was a rosy yellowish, conical in shape. It was at an angle of about 55° to the south, the outline rather ill defined. Light fluctuating, extending up at times to about 40°, then almost disappearing. The time from the faintest to the brightest, seventeen to twenty seconds, and from brightest to faintest, twenty-one to twenty-eight seconds. Breadth, 8°, sometimes faintly spreading out to the south to 10° or 12°. Average length, 35°. The light entirely disappeared at 6.07 P.M., continuing for 13'.

October 30. — Heavy clouds and smoke in the lower atmosphere all day and to-night. This A.M. a small weasel, as white as snow excepting a very small black tip on the end of its tail, was observed coming over the rocks toward the station with a small rat in its mouth. It was a very pretty little animal.

November 17. — At 7.10 A.M. a double parhelia was observed each 24° or 25° directly opposite the sun, north and south, and each elongated in the line of the circle, which at times was nearly complete. At 7.15 A.M. a milky white column formed, passing through the sun, vertical to the horizon, and at 10° below, the sun terminated in a small ball, little brighter than the column, but no prismatic colors observed. The upper end just passed the upper edge of the sun's disk, and was faint. Both disappeared at 7.25 A.M.

1880.

May 19. — Thunder at 9 A.M. and atmospheric electricity on the wire all day.

June 18. — At 2.30 P.M. a light snow fell from a small thunder-cloud over the peak, and continued until 3.15 P.M., accompanied by heavy and continuous flashes of lightning and rolling thunder.

June 20. — Very small discharges of electricity, and no thunder.

June 23. — Several light thunder-showers passed north of peak, and at 7.10 P.M. a heavy snow-storm set in, accompanied by terrific flashes of lightning and heavy rolling thunder.

July 2. — Heavy electricity on the line at the midnight observation.

July 18. — Hail began at 5.10 P.M., ended at 7.15 P.M., accompanied by heavy shocks of electricity.

July 20. — Hail, accompanied by terrific discharges of lightning and heavy rolling thunder. Atmospheric electricity quite prevalent during the evening.

July 21. — Hail, accompanied by heavy flashes of lightning, which played around the lightning-arrester and exploded with great force.

July 23. — At 11 A.M. the peak began to be enveloped in dense masses of clouds and a heavy fog, and at 12.30 P.M. a hail-storm set in. Intense ground-currents of electricity quite frequent.

August 3. — Hail, accompanied by terrific flashes of lightning, which exploded with great force on the lightning-arrester. At 12.50 P.M. the hail changed to snow, and the lightning became less intense than during the progress of the hail-storm; but it was still strong.

August 6. — Snow, accompanied by heavy lightning and rolling thunder.

August 7. — Hail, accompanied by heavy flashes of lightning, but no thunder was heard during the progress of the hail-storm.

August 9. — At 10.20 A.M. a light snow began falling, which ended at 4.10 P.M., accompanied at intervals by thunder and lightning.

August 25. — Heavy hail-storm, with wind from southwest, accompanied by terrific flashes of lightning and heavy rolling thunder.

August 26. — Heavy hail during afternoon, with heavy lightning and rolling thunder.

September 5. — Heavy masses of cumulo-stratus clouds below the summit, and heavy thunder heard in the valleys.

September 8. — Hail, accompanied by heavy discharges of electricity, but no thunder.

September 10. — Light hail from 1.40 to 2.50 P.M., accompanied by terrific discharges of electricity.

September 21. — Light hail began at 4.50 P.M., ended 6.40 P.M., accompanied by heavy thunder and lightning.

October 26. — Light fog and snow during the night. At 12.50 P.M. a heavy thunder-storm came from the north, accompanied by light snow and heavy sleet at intervals, the wind blowing in heavy gusts from all directions, prevailing from the north. The lightning was constantly passing through the arrester with loud reports followed by frequent and heavy peals of thunder.

December 21. — Heavy fog began forming at 8.10 P.M., and at 9.07 P.M. summit completely enveloped.

1881.

February 14. — Fog in morning and afternoon. Four mock moons appeared on different sides of the moon at night, at equal distances from that body and from one another. These increased in intensity of colors until they were brighter than the moon itself, which appeared as if hidden behind a veil. By and by, bows as brilliant as those of the sun appeared over each, which increased in size until they almost joined, and formed a perfect circle of the most brilliant colors. These gave way for double halos, the second being nearer to the first than that was to the moon. Both were of a beautiful violet tint. When the moon had risen about two thirds of the distance between the horizon and zenith, these rings disappeared and a new one appeared, much further removed from the body, the refraction of whose light produced these fantastic shapes. The new halo was much paler than those it had succeeded; it was the precursor of one of the most magnificent refractions of light that any human being ever witnessed. Near the moon appeared two mock moons, shining like balls of fire, and in the horizon opposite, these were reproduced, but in a milder color. A halo of a mild pink color passed through the plane of these four mock moons and intersected the main halo. To complete the display, a bow appeared in the zenith, and this was as brilliant as the rainbow, and comprised all the colors of that bow of promise.

May 6. — Light snow began falling at 1.35 P.M., accompanied by heavy thunder and lightning.

May 8. — At 6.25 P.M. a heavy fall of hail took place, accompanied by heavy thunder and lightning; hail ended at 9.35 P.M.

May 11. — A hurricane struck the summit during the night, wind attaining a maximum velocity of one hundred and twelve miles per hour; at 12.15 A.M. the anemometer cups were blown from their socket and carried away. From this time until 2.30 A.M. the wind increased in violence, and the estimated velocity must have been one hundred and fifty miles per hour.

June 2. — Hail and light snow at intervals from 1.35 until 6.45 P.M. The hail was accompanied by terrific flashes of lightning and heavy rolling thunder.

June 23. — Heavy fog commenced forming over the summit, and at 6 P.M. the peak was completely enveloped. This was succeeded by a light fall of hail, accompanied by terrific flashes of lightning, which snapped on the lightning-arrester, and exploded with great violence. Dense fog on the summit at night.

June 25. — A comet was observed at 9.30 P.M., about 27° above the horizon to the northeast. The nucleus was well defined, and the tail of a reddish color, and about ten feet long; width about four feet. There were a few cirrus clouds, seemingly above the comet, and the atmosphere somewhat hazy around it. The first intimation of its coming was what appeared to be a luminous star, well defined, at first with a very short tail, which increased in length and volume almost imperceptibly, till it vanished with the dawn of day.

June 26. — Comet still visible, but seems to have moved more to the north of northeast.

June 27. — Comet still visible, but fainter than the two previous evenings.

July 2. — At 11.45 A.M. a heavy fall of hail, accompanied by terrific discharges of lightning and heavy rolling thunder, continuing until 12.30 P.M.

July 4. — Hail at 11.10 A.M., continued at intervals until 11.40 A.M., when it turned into light snow, continuing until 4.54 P.M., when it was followed by a heavy fall of rain, which was still falling at the midnight observation. During the progress of the hail and snow storm frequent flashes of heavy lightning occurred, but the main display of atmospheric electricity was reserved for the evening. During the progress of the rain-storm it was accompanied by the heaviest discharges of lightning and thunder that observer ever witnessed at the station. The lightning snapped on the lightning-arresters, and exploded with great violence in the office several times during the evening. Observer was afraid the station would be struck, as the lightning was almost continuous.

July 4. — Hail, rain, and snow, accompanied by terrific discharges of thunder and lightning.

July 25. — Heavy hail from 4.10 to 6.50 P.M., accompanied by heavy flashes of lightning and rolling thunder.

July 27. — Hail from 11.50 A.M. until 8.28 P.M., falling fast and heavy toward night, accompanied by peals of thunder and flashes of lightning.

July 28. — Light hail between 3.10 and 4.30 P.M., and between 7.25 and 8.15 P.M., accompanied by severe thunder and lightning.

August 2. — Hail began at 11.30 A.M., accompanied by heavy discharges of lightning and rolling thunder. Hail continued at intervals, and turned to rain at 4.50 P.M.

August 6. — At 11.10 A.M. a heavy fall of hail took place, accompanied by terrific discharges of heavy lightning and rolling thunder. The hail continued until 12.40 P.M.

August 7. — Heavy hail from 12.45 until 1.15 P.M., accompanied by terrific flashes of lightning and heavy rolling thunder.

August 14. — Hail began at 12.10 P.M., accompanied by terrific flashes of lightning and heavy, rolling thunder. Ended at 2.10 P.M., and recommenced at 4.15 P.M., continuing at intervals until 6.53 P.M., when it ceased. The hail was accompanied by heavy flashes of lightning and rolling thunder.

August 15. — Light hail from 11 A.M. to 12.14 P.M., accompanied by terrific flashes of lightning and rolling thunder. Began again at 4.30 P.M., and still continues to fall quite heavily at the midnight observation, accompanied by heavy flashes of lightning and deep rolling thunder.

August 16. — Hail at intervals from 1.40 A.M. to 6.45 P.M., accompanied by heavy flashes of lightning and rolling thunder.

August 17. — Light hail at intervals from 12.26 to 6.10 P.M., when it turned to heavy rain, which still continues to fall heavily at the midnight observation. The hail and rain were accompanied by heavy lightning and rolling thunder.

August 19. — Heavy hail at intervals from 4.30 to 5.38 P.M., accompanied by slight discharges of lightning and rolling thunder.

August 21. — Heavy hail at intervals from 12.30 to 4.15 P.M., accompanied by such severe discharges of lightning that observer found it impossible to remain in the office, and sought refuge in the kitchen. The lightning was almost continuous, and snapped and exploded in all directions. The southwest portion of the building was struck, but no damage of any consequence was done, nor was it impaired by the shock. The lightning-arrester and ground-wire were both badly damaged; but the worst feature of the storm was the fact that both the station and extra barometers were struck, and bulbs of both

cracked. Although the lightning was the heaviest ever witnessed by the observer at the station, he determined to remain while the foundation of the building lasted. Reports from the stations on the Continental Divide show that the lightning was terrific. Several buildings were struck and badly damaged by the lightning, which was the heaviest that has been in this section of Colorado for some years. So far but one death has been reported, — Thomas Douglass, a sheep-herder; when his body was discovered near the shattered remains of a tree under which he sought protection, it was found that the lightning had stripped him of every stitch of clothing and his boots.

August 22. — A comet was observed in the northwest at 9 P.M. about 20° above the horizon.

August 23. — Comet still visible to-night and becoming more brilliant.

1882.

June 7. — At 3.45 P.M. the summit was densely enveloped, and a heavy sleet-storm set in, accompanied at long intervals by distant thunder in the south and west. Sleet fell in heavy showers at short intervals till 8 P.M. At this hour the wind, previously calm, veered suddenly to the south with a velocity of 20 miles per hour, and the sleet changed to heavy, dense snow, obscuring all view beyond a few feet of the person. The change was introduced by a flash of lightning from the north, and muttering thunder. At 8.30 P.M. a very vivid flash of lightning pierced the gloom from the west, followed immediately by a hoarse peal of thunder. During the fall of sleet the peculiar "singing" or "sizzing" noise on the wire, reported in previous journals, was distinctly heard. At 8.45 P.M., on opening the door, a most curious and beautiful phenomenon was seen by observer. The line on the summit was distinctly outlined in brilliant light, which was thrown out from the wire in beautiful scintillations. On near approach to the wire these little jets of flame could be plainly observed. They presented the appearance of little electrified brushes or inverted cones of light, or, more properly, little funnels of light with their points to the line, from which they issued in little streams about the size of a pencil lead, and of the brightest violet color, while the cone of rays was of a brilliant rose-white color. These little cones of light pointed from the line in all directions, and were constantly jumping from point to point. There was no heat to the light, though it was impossible to touch one of these little flames, for as soon as they were approached by the finger they would instantly vanish, or jump to another point on the line. Passing along the line with finger extended, these little jets of flame were successively puffed out, to be instantly re-lighted in the rear. It was a curious and wonderful sight. No sensation was experienced on applying the tongue to the line. Not only was the wire outlined in this manner, but every exposed metallic point or surface was similarly tipped or covered. The cups of the anemometer, which were revolving rapidly, appeared as one solid ring of fire, from which issued a loud rushing and hissing noise. The anemoscope represented a flaming arrow, and a small round wooden stake stuck up in the snow to show the position of the gauge was similarly tipped, as well as an angle of our stone chimney. Observer, on placing his hands close over the revolving cups of the anemometer, where the electrical excitement was abundant, did not discover the slightest sensation of heat, but his hands instantly became

afame. On raising them and spreading his fingers, each of them became tipped with one or more cones of light nearly three inches in length. The flames issued from his fingers with a rushing noise, similar to that produced by blowing briskly against the end of the finger when placed lightly against the lips, and accompanied by a crackling sound. There was a feeling as of a current of vapor escaping, with a slight tingling sensation. The wristband of his woollen shirt, as soon as it became dampened, formed a fiery ring around his arm, while his mustache was electrified so as to make a veritable lantern of his face. The phenomenon was preceded by lightning and thunder, and was accompanied by a dense driving snow, and disappeared suddenly at 8.55 P.M., with the cessation of snow.

June 9. — "Singing" wire again this evening. Air intensely charged with electricity. At 8 P.M. the "singing" sound came from the anemometer with peculiar intensity, much like the sound produced by a carriage-wheel on a road-bed of hard snow on a cold, frosty morning. A solitary jet or cone of bright violet light issued horizontally from the centre (convex) of each of the hemispherical cups of the instrument, differing from the display of the night of the 7th in that the flames were bright violet throughout. On going upon the roof as before, observer's fingers were again tipped, but the sensation this time was not to be mistaken, and was so painful that he was obliged to retire from the roof. The hair of his head stood erect, crackled, and the pricking sensation to the scalp (bareheaded) was extremely painful. The peculiar electrical odor was strongly recognized. To protect his head he put on his black felt hat, and returned to the roof. But a few seconds elapsed before he was fairly raised off of his feet by the electrical fluid piercing through the top of his hat, giving him such a sudden and fiery thrust that he nearly fell from the roof in the excitement. Instantly snatching the hat from his head, he observed a beam of light as thick as a lead pencil, which seemed to pass through the hat, projecting about an inch on either side, and which remained visible for several seconds. The top of his hat was at least two inches from his head when this fiery lance pierced him. When the fluid began to thrust its fiery tongues into other parts of his body, he was spurred to a hasty but "brilliant" retreat. He experienced a peculiar burning or stinging sensation of the scalp for several hours afterwards. The phenomenon lasted fifteen minutes. Lightning and thunder were continuous during the evening; the sharpest flashes drew from the metallic roof loud snapping sounds.

July 1. — At 4.31 P.M., during a heavy fall of hail, a bolt of lightning struck the station building near the southeast corner, having followed the course of the telegraph wire a distance of several rods. The fluid passed through the outer partition walls and entered the office in southeast corner near the stove, tearing up the floor, melting and tearing off the zinc sheeting around the stove, jumped to the self-register, which it demolished, also the regulator clock on the wall, burned up completely the office wires, and, passing out at the north window to the roof, burned out the dial of anemometer. The explosion was terrific, breaking out every light in office windows, and severely stunning and bruising both observers. During this storm (4 P.M.) a destructive cloud-burst occurred at Manitou, Colo., distant twelve miles. Bridges were washed away, and with but few exceptions every house in town was flooded, and sustained some damage.

July 12. — Thunder-storm, with hail and sleet, prevailed throughout the afternoon and evening. The air was heavily charged with electricity, being most marked when the hail was heaviest. At such times the crackling of the electricity could be heard from the telegraph wire and pointed objects, not unlike the buzzing of bees in a hive. Just before 4 P.M., during the heaviest fall of hail, the observer went out to gather and examine some of the larger stones, and experienced the presence of electricity in a curious manner. The hair of his head seemed to burn and frizzle as with a flame, with the exception that there was no sensation of heat. The points of his fingers when held vertically gave out a snapping sound, which at times would nearly cease, and return again with increased activity. This lasted some twenty minutes. During the heaviest fall of hail the wind died down to a calm, and the hail fell in a deafening storm as it struck the tin roof of building. The largest of the hailstones were an inch in diameter, of a balloon shape (not round), and much harder than any ever seen by observer, requiring a heavy blow with a rock to crack them.

July 21. — During a fall of snow the atmosphere was very heavily charged with electricity, and at night all pointed objects on the summit were tipped with small yellow-colored cones of light or fan-shaped flames. The anemometer, which had become loaded with damp snow, gave out a circular band of light as the observer was relieving it of its load. Much thunder and lightning prevailed throughout the storm.

September 7. — Thunder in the west at dark; lightning began in the west at 8.30 P.M. A heavy snow-storm set in from northwest, and then electricity could be seen on the posts. The anemometer cups made a circle of fire. The burros were full of sparks of fire. Clothing and hair were full of sparks. When the hands were extended upwards, the fingers formed bases for electric brushes. There was a peculiar humming sound in the air. After coming into the office, the fingers of most of the party ached as if they had been bruised; but while the sparks were on the hands no ill effects were felt.

September 22. — At 5 A.M. this morning a bright comet was observed in the east about twenty degrees above the horizon. It seemed to consist of a ball of about eight inches in diameter, with luminous train, which extended from fifteen to twenty-five degrees toward the southeastern sky. Both ball and train were of a pale yellow color.

September 28. — Comet visible in the east this A.M.

September 30. — Comet very brilliant this A.M.

October 5. — Comet very brilliant, illuminating the surface of the earth, furnishing more light than the moon. There was apparently a sheet of fire forty by six feet. The head was of a very brilliant white light.

November 13. — Aurora observed at 4.45 A.M. Consisted of a band of light about 40° long and 5° wide. Luminous beams shot up from 15° to 20°, but would soon disappear. Aurora ended at 5.15 A.M. Comet visible and very brilliant.

November 17. — Aurora this morning at 4.30 A.M. The arc was about 12° high in the centre. The one end extended nearly to the eastern horizon, the western end being hidden by the mountain. Along the eastern part luminous beams shot up from 15° to 20°. For a time it looked like a veil or sheet of pale light, but before fading it became very bright. A wide band of light from the sun extended nearly to the zenith, although nearly two hours before sunrise. Ended

6 A.M. The comet was much brighter than usual. About 4.45 A.M. the "singing" or humming noise began on the telegraph wires, and became very loud. Aurora began to-night at 6.15 P.M. It appeared in the form of an irregular greenish-white cloud along the northern horizon, and under it was a very dark space. Above, and apparently issuing from the green light, in different places, was an intensely red light, almost of a blood color. These red spaces were probably 15° wide, and from 15° to 18° high. Near them beams of white light extended to the zenith. The red would alternately fade and reappear, until finally it remained stationary at the west end of the clouds, fading and appearing in rapid succession until 8.30 P.M., at which time the white cloud appeared to break up into beams or groups of beams, which were probably from 15° to 20° in height. At this time the red light at the western part was intensely bright, and all gradually faded, the white colors settling down into a regular arch of about 15° high in the centre, and remained so. Aurora entirely disappeared at 11 P.M.

November 19. — Faint aurora to-night at 6.45 P.M., consisting of streamers, which gradually faded at 7 P.M.

November 20. — Aurora at 5.07 A.M., which faded as the sun rose.

1883.

June 24. — Sleet and hail fell from 1 P.M. to 2.30 P.M. Some of the larger hail was fully 1½ inches in diameter, and was very peculiar, both in shape and composition. There were no icy layers or rings of ice, but the whole body of the stones was of a light porous nature. In shape they resembled a balloon, the smaller end coming nearly to a point. The smaller stones were nearly perfect spheres.

July 4. — Heavy thunder and lightning nearly all day. Bright sparks flew around the office, so that several tourists wrapped themselves in blankets for protection.

July 14. — Thunder and lightning this P.M. Electricity in the air; a crackling noise was heard about the anemometer cups and the hair of observer.

July 25. — Thunder-storm, accompanied with sleet, from 2.25 to 3.40 P.M. At 3 P.M. two severe shocks of lightning were felt by the observer in the office. The "singing" and crackling noise of the electrical current was plainly heard by observer and men who were working on the station, it being more marked on the cups of the anemometer and telegraph wire. During storm, intensely bright flashes of lightning, followed by very violent shocks of thunder, prevailed.

August 4. — Heavy thunder at short intervals for ten minutes, after which the electricity could be seen. The anemometer cups made a circle of fire. At the corners of the house there were large, bright, continuous sparks. After a flash of lightning the circle about the cups, and other sparks, would be dim for a short time. The observer's hair was full of sparks, and the band of a straw hat was full of them. By holding up the hands, sparks would form on each finger-point. At first the light was yellow, and would change to a purple color. The feeling afterward was as if the fingers had been very cold. During the afternoon the peculiar crackling noise was heard about the anemometer cups. During the storm there was a distinct gaseous odor. Observer supposed it was ozone. There were frequent very bright flashes of lightning in every direction. The sparks remained visible till 10 P.M., and the sleet did not continue much longer.

September 7. — Hail from 2.25 to 3.15 P.M. The storm was very severe. Heavy thunder and sharp lightning. Lightning struck the anemometer cups, burning a round hole about half an inch in diameter in one of them. The contact spring in the dial was badly bent, and the point of contact was considerably damaged by melting. Where the insulated wire passed over a nail in the side of the house, the head of the nail was melted and the wire burnt off. Inside the window, at a bend in the wire, electricity passed off into the sill, setting some paper on fire. The paper covering the battery-box was ignited. Three window-lights were broken. A tourist in the dining-room was badly stunned. Observer in passing from dining-room to office was severely stunned by what seemed and felt like a blow on the head. One hand swelled rather badly. The report in the house was double, and sounded like striking red-hot iron upon which cold water had just been thrown.

1884.

February 22. — A dim red light resembling a sunset was observed in the southwest at 6.30 P.M., occupying about 50° of azimuth, and rising to about 20° of altitude. It gradually disappeared after remaining visible about thirty minutes.

May 28. — In the afternoon the peak became obscured, and sleet fell for a few minutes. Between 8 and 9 P.M. a very dark cloud made its appearance below the summit, and apparently over Colorado Springs, from which streamed an almost continuous sheet of lightning, the intervals between flashes being not more than a second.

May 31. — Thunder and lightning in south at 7.30 P.M., continuing about an hour. At this time the atmosphere was apparently heavily charged with electricity. A peculiar buzzing sound resembling that of bees was heard issuing from the telegraph wire, and apparently from the side of the house.

June 4. — "Singing" wires. The atmosphere charged heavily with electricity. Thunder-storm in P.M.

June 6. — Heavy thunder-storm in afternoon. Hailstones fell which measured $\frac{1}{4}$ inch in thickness; they were of a snowy formation, and accompanied by snow and sleet.

July 7. — A thunder-storm passed to southeast of station, beginning at 5 P.M. and disappearing in about forty minutes. Storm came from southwest and moved towards northeast; was apparently about a mile distant. Loud thunder heard, but no lightning observed. A short distance northwest of Cameron's Cone, a sheet of cloud extended apparently to the ground, and resembled in appearance a waterspout.

July 9. — A thunder-storm from the northwest began 5.15 and ended 5.40 P.M. Heavy thunder heard east of station. A second thunder-storm from northwest began 6.15 and ended 7.20 P.M. Loud thunder heard in the south and southwest, but no lightning observed. These storms were very severe at Manitou and Colorado Springs. Several houses in Manitou were flooded, and one in Colorado Springs struck by lightning and a lady severely stunned.

July 15. — A distant thunder-storm passed to northeast of station between 8 and 9 P.M. Bright lightning observed at short intervals, but no thunder. A heavy hail and thunder storm from west began 9.20 and ended 9.50 P.M. Very sharp thunder and lightning at apparently no appreciable distance. Hailstones were very large on an average, a large per cent measuring $\frac{1}{4}$ inch in diameter.

July 20. — Hail and thunder-storm began 3.30 and ended 3.55 P.M. Sharp thunder heard directly overhead, but no lightning observed. Hailstones fell, measuring $\frac{1}{4}$ inch in diameter. The atmosphere was heavily charged with electricity both before and during the storm. A humming sound resembling the buzzing of bees was heard, while a workman several hundred yards distant experienced a sensation like that of his hair being pulled.

July 25. — Thunder and sleet storm from west from 5.55 to 6.10 P.M., with loud thunder but no lightning. About ten minutes preceding and during the storm electrical phenomena were observed, with the usual buzzing noise like that of bees.

August 6. — Severe snow-storm at 2 P.M., accompanied by lightning and thunder, and crackling noise on the roof and other objects. Lightning first seen and thunder heard in northwest about a mile distant. Storm passed directly over the peak from northwest to southeast, lasting some hours.

December 24. — 5 P.M., light fog and dense stratus clouds; 8.45 P.M., fog and clouds left peak, bringing to view delicate cirrus clouds, moving slowly from west; 8.48 P.M., observed a well-defined corona, consisting of a series of three concentric colored circles, radius 6°. 1st circle, pale straw, nearly white; 2d, light green; 3d, dark blue, tinted pale red on its outer edge. The corona was visible for five minutes, presenting a lovely sight as banks of light fog were hurried over the station, partly obscuring the moon and blending its halos.

December 29. — At 6.33 P.M. observed a sharply defined corona, of three complete series of concentric colored circles, with a radius varying from 10° to 15°. The observer noted the following colors in this beautiful phenomenon: First series of rings next to the moon, 1st circle, straw color; 2d, nearly white; 3d, dark lemon. Second and intermediate series, 1st circle, dark orange, nearly brown; 2d, purple; 3d, dark blue. Third series, 1st circle, dark, clear green, pale on its outer edge; 2d, pale yellow; 3d, pale red. At 6.48 P.M. sky wholly covered with fleecy cirrus clouds; banks of fog swept over the peak, apparently with a velocity of seventy-five miles per hour, not more than fifty yards above the station. Corona increased and diminished in radius with surprising rapidity, being brighter the smaller the radius. At 7 P.M. a well-defined lunar halo of 22 $\frac{1}{2}$ ° radius enclosed the corona. At 7.12 P.M. halo faded out of sight, only one series of rings around the moon, different colors from those first observed. 1st circle, nearly white; 2d, yellow; 3d, dark blue. These circles remained visible, at intervals, until 9 P.M.

1885.

January 30. — Corona of 12° radius, and four concentric colored circles, observed at 7 P.M. 1st circle, nearest the moon, white; 2d, straw color; 3d, dark orange; and 4th, dark purple.

March 24. — The peak surrounded all day by dense stratus and cumulo-stratus clouds, which were apparently not more than fifty to seventy-five feet below the summit.

April 1. — First thunder-storm of the season occurred at 4.55 P.M. It moved from northwest to southeast.

April 27. — A well-defined corona of 12° radius, and eight concentric colored circles, visible at 9 P.M.

May 6. — Several flashes of lightning in P.M. The direction could not be told, on account of the clouds about the station.

May 26. — At 9 P.M. observed a lunar corona of 6° radius, and three concentric colored circles. 1st circle, nearest the moon, nearly white; 2d, yellow; 3d, dark purple.

June 28. — Thunder-storm from southeast, moving westward from 10.46 A.M. to 1.40 P.M. The most marked feature of the storm was the electrical phenomena, which were felt in many, and some very unpleasant, ways. All pointed objects, even the tips of one's fingers and eyebrows, gave forth a buzzing noise resembling that of bees.

July 12. — Very heavy thunder-storm passed to south of peak at 9.15 P.M.; moved from northwest to southeast. Very little thunder was heard, but the storm was accompanied by exceedingly brilliant lightning.

July 19. — Thunder-storm from west, moving east, with sleet and rain from 1.46 to 5.55 P.M. A brilliant rainbow and sharply defined shadow of the peak observed at the same time, just after the ending of the rain.

July 26. — At 6.30 A.M. Colorado Springs in view, appearing very much as if it had been visited during the night by a waterspout or cloud-burst. Upon closer examination the telescope showed great banks of sleet, about two miles to the northeast of the city, from which flowed heavy streams. Immense pools of water were in all the principal streets, while the first floors of many houses in the northern part of the city were wholly under water.

July 29. — Thunder-storm 3.49 to 7.58 P.M. A heavy peal of thunder, directly overhead, was the first indication of the approach of the storm. Direction from which the storm came not known; moved towards the north.

August 29. — Thunder-storm from northeast moving southward, from 5.45 to 6.12 P.M., accompanied by sleet and hail. Hailstones spherical, of opaque snow-formation, $\frac{3}{8}$ inch in diameter. The atmosphere, during fall of hail, was highly charged with electricity; from all pointed objects on and around the observatory came the usual buzzing noise, resembling that of bees, a phenomenon attending every electrical storm in its passage over the summit of the peak. From sunset to midnight the southeastern heavens were illumined by vivid flashes of sheet lightning.

September 9. — Bishop's ring, 10° radius, very light pink, in P.M.

September 10. — Bishop's ring, 15° radius, light pink.

September 15. — Bishop's ring, 18° radius, light pink.

October 12. — Bishop's ring, pale pink, 16° radius, visible in afternoon.

October 15. — Bishop's ring, whitish pink, 12° radius, in afternoon.

October 25. — Bishop's ring, grayish tint, 12° radius, at 10.30 A.M.

1886.

January 7. — Snow at intervals until 1.15 P.M. The barometer fell slowly all day, while there was a decided fall in temperature. At 4.45 P.M. the wind suddenly increased in force, acquiring a maximum of fifty-eight miles an hour, from north. This wind was accompanied by considerable atmospheric electricity, as manifested in the magnet of the anemometer register.

January 8. — Heavy northerly winds during day. A continuation of the presence of atmospheric electricity was perceptible, though not showing the same strength as yesterday.

January 18. — At 7.30 P.M. a well-defined and very brilliant lunar corona with double rings observed. The inner ring was about 3° of inner diameter, and 1° in width. The colors were from inside outward a pale yellow, changing to red as it gained toward the outer edge, followed by bright rose, which shaded off to a dark dull red at outer edge. The outer circle was 55° inner diameter, and the same width and colors as inner circle. The space between the two circles was filled by a brilliant bluish-green of a very decided tint. Disappeared 8.35 P.M.

January 20. — Lunar corona observed at 7.40 P.M., lasting until 9 P.M. The centre was a circle of white, 5° in diameter, surrounded by a ring of light yellow 1° in width; this by a band of dull red of about same width. Then came a band of brilliant deep green of 2° width, another circle of yellow and red of same shades and width as inner, except that outer band of red was $\frac{1}{2}^\circ$ wider than one of inner circle.

January 25. — At 5 A.M. a lunar corona or halo similar to the one on 20th was observed. At 5.15 A.M. the formation of the halo changed somewhat, the inner circle of 5° , of white, being surrounded by a band of pale green, 3° wide, no red intervening band being visible. This lasted about fifteen minutes, when the whole disappeared at 5.38 A.M.

March 7. — A display of atmospheric electricity occurred during the evening. A steady stream of sparks between magnet and armature of anemometer register, in duration about ten seconds, lasted at intervals until nearly midnight.

March 11. — Winds northerly and strong. Displays of atmospheric electricity occurred during the entire day; observed in anemometer register.

March 13. — Displays of atmospheric electricity began at 8 A.M., and lasted until late in the evening.

March 19. — At 6.40 A.M. something having the form of a rainbow inverted appeared in the east. It formed a segment of a circle of about 30° , concavity upward. This formation was in the lower edge of a large mass of cumulus cloud, and between the display and the station was a thin hazy mass of rapidly moving cloud. The sun shone brightly from above the cumulus cloud. The display was about four miles distant; colors same as in the rainbow. Display ended at 7 A.M.

July 19. — Hail from 12.55 to 1.40 P.M.; hailstones $\frac{1}{4}$ inch in diameter. Rain from 2 to 5.50 P.M. Heavy thunder-storm passed the station at 1.20 P.M., moving from west to east. Very heavy hail several miles south of summit. Lightning tore up the ground in several places, about two feet from the southwest office window. It sounded like two reports of a gun in rapid succession, to those inside the building, and produced a slight shock.

July 27. — Auroral light observed in northeast at 8.20 P.M. and at 8.45 P.M.; the streamers of light could be distinguished between the clouds that partially obscured the sky. They became dimmer, and were last observed at 9 P.M.

July 30. — Calm from 9 P.M. of 29th to 9 A.M. of 30th.

August 1. — Heavy thunder-storm at 4.30 P.M., moving northwest to southeast. The storm seemed to be very heavy to the northeast of summit, and after the clouds had broken away it was observed that very heavy rain and hail had occurred just northeast of Colorado Springs. The ground was white with hail, and water flowed in great quantities over the plain.

August 15. — Heavy thunder-storm, with rain and sleet, at 6.30 P.M., moving southwest to northeast. Station struck by lightning at 6.45 P.M.; shattered the west window of the

dining-room, breaking four panes of glass and shivering the casing, leaving an opening between the casing and the wall; also slightly damaged the building in several places, and set fire to some articles in the storehouse, and burned several holes in the side of a tin bucket, allowing the water in it to escape.

September 8. — Lunar halo at 7.15 P.M. until after 9 P.M. It was very brilliant, and had nearly all the colors of the rainbow.

November 1. — Heavy snow-storm began during night; ended 11.57 A.M. Considerable atmospheric electricity during the day.

1887.

June 14. — The heaviest thunder-storm so far in the season began at 11 A.M., and continued with some intermission till 6.20 P.M. At first it moved rapidly from west to east. Sleet began at 11.10 A.M., and fell briskly till 12.25 P.M. Then the clouds broke for an hour, only to gather again, and the storm set in with increased violence. Sleet began again at 4.20 P.M., and there was a heavy fall until 6.20 P.M.

June 23. — Thunder-storm at 1.09 P.M. Sleet 1.15 to 1.40 P.M. Beautiful double rainbow in east at 3.40 P.M. Sleet began again at 4 P.M., ended 7.30 P.M. During the last period of sleet a curious electrical display was observed. A hissing noise was heard about the iron joists around the station, and also about the anemometer. On examining the latter by going near it, a strong electrical manifestation was felt by a twitching of the muscles of the face and hands, and the hair of the head would stand on end. The cups of the instruments seemed surrounded by an almost imperceptible cloud. Standing in any place where the building did not shelter you from the wind, and then pointing a finger, would cause the same hissing noise to issue from the end of the finger, and a current could

be felt. This display was unaccompanied by light of any kind, and could only be distinguished by the hissing sound and sensation, and lasted about fifteen minutes.

June 26. — Hail at 7.40 P.M. During the first ten minutes of hail-fall the electrical display described on the 23d was repeated.

June 28. — Thunder-storm at 9.10 A.M., moving southeast to northwest. Hail fell from 8.38 to 8.48 A.M., and sleet from 1.05 to 1.30 P.M. During the sleet the electrical display of 23d and 26th was repeated, but this time much more manifestly.

July 18. — Small opaque hail fell from 6.03 to 6.06 P.M. During this fall of hail the electrical sizzling was very manifest.

July 19. — At 6.45 P.M. an incomplete but beautiful double rainbow appeared in the east; about an hour before sunset became most beautifully colored with yellow, and on part of the sky in the northeast was at first a deep purple, which changed to different shades of purple. This coloring lasted until about half an hour before sunset.

1888.

January 25. — Beautiful lunar halo at night, the outer circle pale blue, blending into a middle circle of reddish hue, and finally into an inner one of yellow.

May 14. — Thousands of small gray and brown moths were seen during the day, flying with the wind from north to south over the peak and valley to the east of the summit.

May 15. — Thunder-storm, with hail, moving from southwest to northeast, from 12.17 to 1.45 P.M. Hailstones medium in size, and opaque. The first electrical phenomenon of the year observed. For about five minutes, while the thunder-storm was passing to the south of the summit, the peculiar buzzing sound was heard coming from every exposed point of the building and from the rocks, wet by the melting hail.