KG
11365
770

Pyrheliometer

No. 17

Observations

1913

KG11366.770

7.93

162

183

121
125

115

130

118

136

137

141

217

229 217

219

181 116

164

117

115

131 575

123

152

KG 11365.770

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Friday Jan. 3, 1913

Sky 3 Ci Cis hor. ⊙ clear LC Obs.
Hygro = 50.0 at 8:20 air T = 62.5 F.
Cs W used = # 1^m 30^s slow at 8:56

8 21 20	Shd	12.39	-0.11
23 00	—	12.50	
23 20	Exp.	13.20	3.72 + 0.16 = 3.880
25 00	—	16.92	
25 20	Shd	16.92	0.43
27 00	—	16.49	
27 20	Exp	17.02	3.29 + 0.63 = 3.920
29 00	—	20.31	
29 20	Shd	20.22	0.83
31 00	—	19.39	

Hygro = 49.54 at 8:33 Wet B = 10.6 C Dry B = 16.6 C
Sky 5 Ci Cis Cir ⊙ clear. air T = 65.0 F.

8 34 20	Shd	18.~~8~~12	0.33
36 00	—	17.79	
36 20	Exp.	18.42	3.36 + 0.605 = 3.965
38 00	—	21.78	
38 20	Shd	21.75	0.88
40 00	—	20.87	
40 20	Exp	21.39	2.91 + 1.03 = 3.940
42 00	—	24.30	
42 20	Shd	24.13	1.18
8 44 00	—	22.95	

Hygro 53.5 at ~~8~~ 8 58

Jan. 3, 1913

P.C. Obs.

Sky 5 Ci Cu Ci Cu-Scatd ☉ clear
Windy

Air T = 64.5 F.

	8	59	20	Shd	18.82	0.10
	9	01	00	—	18.72	
		01	20	Exp.	19.30	3.58 + 0.395 = 3.975
		03	00	—	22.88	
		03	20	Shd	22.88	0.69
		05	00	—	22.19	
Cld near ☉		05	20	Expp	22.69	3.01 + 0.89 = 3.900
		07	00	—	25.70	
		07	20	Shd	25.57	1.09
	9	09	00	—	24.48	

Too hazy to continue further at present.

Hygro = 54.5 at 9:10

Sat Jan. 4, 1913 LCObs

Sky 4 Cu CiS ⊙ clear air T = 61.0 F
Hygrograph = 530 at 8:18

8 19 20a Sh'd 12.94 −0.12
21 00 — 13.06
21 20 Exp. 13.72 3.45 +0.155 = 3.605
23 00 — 17.17
23 20 Sh'd 17.15 0.43
25 00 — 16.72
25 20 Exp. 17.28 2.98 + 0.625 = 3.605
27 00 — 20.26
27 20 Shd 20.17 0.82
8 29 00a — 19.35

Hygrograph = 525 at 8:30

Ci Watch used = ~~325~~ 36^s slow at ~~8:30~~ 8:33

8 35 20a Shd. 17.58 0.26
37 00 — 17.32
37 20 Exp 17.88 3.20 +0.515 = 3.715
39 00 — 21.08
39 20 Shd 21.07 0.77
41 00 — 20.30
41 20 Exp 20.74 3.04 +0.925 = 3.965
43 00 — 23.78
43 20 Shd 23.68 1.08
8 45 00a — 22.60

Hygrog. = 530 at 8:46 / air T = 63.0 F

Jan. 4. 1913

Sky 4 Cu Ci Scatt hor ⊙ clear f.C.Ob.
Hygrog = 53.0 at 8.58

Air T = 65.0 F

9 00 20 Sld 18.55 0.12
02 00 — 18.43
02 20 Eff ~~20~~ 19.08 3.42 +0385 = 3.805
04 00 — 22.50
04 20 Sld 22.42 0.65
06 00 — 21.77
06 20 Eff 22.30 2.94 +0845 = 3.785
08 00 — 25.24
08 20 Sld 25.09 1.04
9 10 00 — 24.05

Air T = 66.5 F.

Hygrog 52.0 at 9.12
9 15 20 Sld 21.74 0.43
17 00 — 21.31
17 20 Eff 21.90 3.12 + 0.705 = 3.825
19 00 — 25.02
19 20 Sld 24.92 0.98
21 00 — 23.94
21 20 Eff 24.40 2.72 + 1.10 = 3.820
23 00 — 27.12
23 20 Sld 26.90 1.22
9 25 00 — 25.68

Hygrog. = 50.5 at 9.26

Jan. 4, 1913. LBAl

Sky 4 Cu ci hor ☉ clear Air T = 67.5 F

9 30 20 a	Shd	22.96	0.58		
32 00	—	22.38			
32 20	Exf	22.92	3.10	+0.81	= 3.910
34 00	—	26.02			
34 20	Shd	25.92	1.04		
36 00	—	24.88			
36 20	Exf	25.32	2.70	+1.19	= 3.890
38 00	—	28.02			
38 20	Shd	27.84	1.34		
9 40 00 a	—	26.50			

Hygrog at 9:41 = 50.0

9 42 20a	Shd	24.98	0.83		
44 00	—	24.15			
44 20	Exf	24.62	2.92	+1.015	= 3.935
46 00	—	27.54			
46 20	Shd	27.34	1.20		
48 00	—	26.14			
48 20	Exf	26.52	2.60	+1.31	= 3.910
50 00	—	29.12			
50 20	Shd	28.90	1.42		
9 52 00 a	—	27.48			

Hygrog = 49.0 at 9 58

Air T = 73.0 F

Wet B = 11.7 C Dry B = 17.3 C at ~~to~~ 9 58

Mon Jan 6, 1913

Sky 3 City hazy o clear L.C.Ab.

Hygrog = 42.5 at 9.07 Air T = 6~~3~~8.0 F

9 08 20	Shd	14.30	-0.16
10 00	—	14.46	
10 20	Exp.	15.19	4.09 + 0.14 = 4.23
12 00	—	19.28	
12 20	Shd	19.28	0.44
14 00	—	18.84	
14 20	Exp	19.48	3.54 + 0.67 = 4.21
16 00	—	23.02	
16 20	Shd	22.94	0.90
18 00	—	22.04	

Hygrog = 41.2 at 9.19
C's Watch used = 1^m 20^s slow at 9.22

9 23 20	Shd	20.32	Air T = 71.0 F.
25 00	—	20.12	0.20
25 20	Exp.	20.30	
27 00	—	24.01	3.71 + 0.48 = 4.19
27 20	Shd	23.99	0.76
29 00	—	23.23	
29 20	Exp	23.82	3.24 + 0.99 = 4.23
31 00	—	27.06	
31 20	Shd	26.96	1.22
33 00	—	25.74	

Hygrograph = 41.8 at 9.34

Jan 6, 1913

Sky 2 Ci.Ci & hor. ⊙ clear

Air T=71.5 F

9 35 20a	Shd	24.50	0.68	
37 00	—	23.82		
37 20	Exp.	24.39	3.32 +0.91	= 4.23
39 00	—	27.71		
39 20	Shd	27.57	1.14	
41 00	—	26.43		
41 20	Exp.	26.90	2.90 + $\overset{32}{1.27}$	= 4.22
43 00	—	29.80		
43 20	Shd	29.64	1.50	
45 00a	—	28.14		

Hygrograph = 41.5 at 9:46

9 46 20a	Shd	27.10	0.98		Air T=73.0 F
48 00	—	26.12			
48 20	Exp.	26.60	3.08	+1.175	=4.255
50 00	—	29.68			
50 20	Shd	29.49	1.37		
52 00	—	28.12			
52 20	Exp.	28.62	2.72	+1.49	= 4.21
54 00	—	31.34			
54 20	Shd	31.12	1.61		
56 00a	—	29.51			

Hygrograph = 41.0 at 9.56

Wet B = 10.9 C ; Dry B = 19.2 C.

Jan. 6, 1913

Sky 1 Ci's hor. o clear P.C.Ab

9 58 20	Shd	27.77	Air T = 73.5 F	
10 00 00	—	26.80	0.97	
00 20	Exp.	27.32		
02 00	—	30.38	3.06	+1.19 = 4.25
02 20	Shd	30.29	1.41	
04 00	—	28.88		
04 20	Exp.	29.32	2.73	+1.555 = 4.285
06 00	—	32.05		
06 20	Shd	31.82	1.70	
08 00		30.12		

Hygrograph = 40.5 at 10:09

10 10 20	Shd	28.32	1.03	Air T =
12 00	—	27.29		
12 20	Exp.	27.80	3.00	+1.245 = 4.245
14 00	—	30.80		
14 20	Shd	30.64	1.46	
16 00	—	29.18		
16 20	Exp.	29.68	2.66	+1.58 = 4.24
18 00	—	32.34		
18 20	Shd	32.10	1.70	
10 20 00	—	30.40		

Hygrograph = 40.0 at 10:21

Jan 8th 1913

Sky = Cu Cu hors. Watch 5 1 sec fast. HP Obs

Air Temp = 67.07

7	44	20	Shad	14	89	
	46	00	~~Exp~~	15	42	- 24
	46	20	~~Shad~~	15	92	
	48	00	~~Exp~~	20	05	4 13 + .015 = 4.145
	48	20	Shad	20	10	
	50	00		19	83	+ 27
	50	20	Exp	20	25	
	52	00	?	23	92	3.67 + .56 = 4.23
	52	20	Shad	23	95	
~~Hygrograph =~~	54	00		23	10	.85

Hygrograph = 44.0 at ~~9.15~~ 10.0! Cy: = W.B 11.0C D.B 19.0C.

Air Temp = 70.57

10	33	20	Shad	20	77	
	35	00	~~Ex~~	20	91	- 14
	35	20	Exp	21	50	
	37	00		25	50	4.00 + .29 = 4.29
	37	20	Shad	25	57	
	39	00	—	24	85	+ 72
	39	20	Exp	25	49	
	41	00	—	28	82	3.33 + .985 = 4.315
	41	20	Shad	28	85	
	43	00	—	27	60	1.25

Air Temp = 70.57

Hygrograph = 47.5 at 10.45

Fri. Jan. 10, 1913

C.G.Ab.

Sky 2 Cu low Air T = 71.0 F.

Hygrog. = 49.0 at 9:40

Shd	9 41 20	16.27	-0.11
	43 00	16.38	
Eff	43 20	17.23	3.95 + 0.195 = 4.145
	45 00	21.18	
Shd	45 20	21.16	0.50
	47 00	20.66	
Eff	47 20	21.30	3.42 + 0.73 = 4.150
	49 00	24.72	
Shd	49 20	24.62	0.96
	9 51 00	23.66	

Air T = 71.0 F.

Hygrog = 49.5 at 9:53

Hygrograph = 47.0 at 10:19

10 20 20	Shd	20.12	Air T = 69.0 F.
22 00		20.16	-0.04
22 20	Eff	20.90	3.98 + 0.27 = 4.25
24 00		24.88	
24 20	Shd	24.78	0.58
26 00		24.20	
26 20	Eff	24.80	3.26 + ~~0.88~~ 0.98 4.18
28 00		28.06	
28 20	Shd	27.98	1.38
10 30 00		26.60	

Air T = 72.0 F.

Hygro = 46.5 at 10:31

Hygro = 48.0 at 10:06 W.B. = 12 × Cos B = 19.2 C

C. Chron-mod = 10 secs slow at 10:18

Jan 10, 1913

PCAb.

Sky = 2 Cu hor

Air T = 72.5°F

10:31:20	Shd	26.02	0.80
33 00	—	25.22	
33 20	Exp.	25.58	3.25 + 1.015 = 4.265
35 00	—	28.83	
35 20	Shd	28.76	1.23
37 00	—	27.53	
37 20	Exp.	28.02	2.86 + 1.355 = 4.215
39 00	—	30.88	
39 20	Shd	30.60	1.48
41 00	—	29.12	

Air T = 72.0°F

Hygrog - 47.0 at 9:42

Ledg.

Wed. Feb. 4, 1913   lC

Sky 1 Cu low   ⊙ clear   windy
air T = 74.5 F.   Ci Wind = 30° fast

2 14 20p Shd. 20.92   −0.01
16 00 — 20.93
16 20 Exp. 21.68   3.82 +0305 = 4.125
18 00 — 25.50
18 20 Shd 25.52   0.62
20 00 — 24.90
20 20 Exp 25.48   3.22 +0875 = 4.095
22 00 — 28.70
22 20 Shd 28.64   1.13
2 24 00   27.51

Mean 4.110

Hygrog = 46.8 at 2:25

air T = 73.5 F

2 31 20 Shd 24.68   0.39
33 00   24.29
33 20 Exp. 24.94   3.32   +0.665 = ~~4~~ 3.985
35 00   28.26
35 20 Shd 28.22   0.94
37 00 — 27.28
37 20 Exp. 27.78   2.76 + 1.105 = 3.865
39 00 — 30.54
39 20 Shd 30.38   1.27
2 41 00   29.11   Mean 3.925

Hygrog = 48.0 at 2:44
W.B. = 11.6 C
D.B. = 19.6 C

air T = 73.5 F

Feb. 4, 1913

Sky 1 Cu hor ☉ clear. windy.
Air T = 71.0 F

2 45 20	Shd.	26.72	0.64	
47 00	—	26.08		
47 20	Exp	26.75	2.77 +	=
49 00	—	29.52		
49 20	Shd	29.38 < Clouds over Sun		
51 00	—			
51 20	Exp	Reject	+	=
53 00	—			
53 20	Shd	this group		
2 55 00.				

Mon March 24, 1913

Pyrhel 17. L.C.Ab

Sky 2 Cu Ci Cu Scatt. ☉ clear.

Air T = 64.0 F.

Hygrograph = 71.5 at 7:25

7 30 20 a Shaded 12.29 − 0.11

32 00 —— 12.40

32 20 Exposed 12.88 2.82 + 0.11 = 2.93

34 00 —— 15.70

34 20 Shaded 15.74 0.33

36 00 —— 15.41

36 20 Exposed 15.97 2.47 + 0.465 = 2.935

38 00 —— 18.44

38 20 Shaded 18.38 .60

7 40 00 a. —— 17.78

Hygrograph = 71.4 at 7:42

Wet B = 10.9 C Dry B = 15.4 C

March 24, 1913.

Sky 2 Cu Cltr Scatt ⊙ clear Air T = 58.0F.

7 49 20	Shaded	16.17	0.07
51 00	—	16.10	
51 20	Exposed	1661	2.87 + 0.28 = 3.15
53 00	—	1948	
53 20	Shaded	1943	0.49
55 00	—	1894	
55 20	Exposed	19.32	2.68 + 0.64 = 3.32
57 00	—	22.00	
57 20	Shaded	22.12	0.79
7 59 00	—	21.33	

Hygrograph = 69.5 at 8:01

8 02 20	Shaded	20.05	0.43
04 00	—	19.62	
04 20	Exposed	20.18	2.54 + 0.62 = 3.16
06 00		22.72	
06 20	Shaded	22.66	0.81
08 00	—	21.85	
08 20	Exposed	22.24	2.26 + 0.905 = 3.165
10 00	—	24.50	
10 20	Shaded	24.38	1.00
8 12 00	—	23.38	

Hygrograph = 69.0 at 8.13 Air T = 61.0F

March 24 1913.

Sky $\frac{2}{5}$ Cu Ci Cu hor. / Air T = 65.0 F

8 28 20	Shaded	19.64	0.10
30 00	—	19.54	
30 20	Expos	20.01	3.00 + 0.325 = 3.325
32 00	—	23.01	
32 20	Shaded	23.03	0.55
34 00	—	22.48	
34 20	Exposed	22.96	2.56 + 0.745 = 3.305
36 00	—	25.52	
36 20	Shaded	25.46	0.94
8 38 00	—	24.52	

~~Hygrograph = 67.5 at 8.40~~

164

C's watch used = 1m 30s fast ~~Air~~

Air T = 67.0 F

8 50 20	Shaded	21.42	
52 00	—	21.24	0.18
52 20	Expos	21.82	3.10 + 0.445 = 3.545
54 00	—	24.92	0.71
54 20	Shaded	24.82	
56 00	—	24.11	
56 20	Expos	24.54	2.68 + 0.915 = 3.595
58 00	—	27.22	
58 20	Shaded	27.16	1.12
9 00 00	—	26.04	

Hygrograph = 66.5 at 9.02

March 24, 1913.

Sky 2 Cu Cir ☉ Clear

Air T. = 67.5

9	15	20 a	Shaded	21.88	0.18	
	17	00	——	21.70		
	17	20	Exposed	22.22		3.25 + 0.435 = 3.685
	19	00	——	25.47		
	19	20	Shaded	25.43	0.69	
	21	00	——	24.74		
	21	20	Exposed	25.28		2.72 + 0.795 = 3.515
	23	00	——	28.00		
	23	20	Shaded	27.76	0.90	
	25	00	——	~~27.86~~ 26.86		

Hygrograph = 65.5 at 9:26

9	37	20	Shaded	26.22	0.54	
	39	00	——	25.68		
	39	20	Exposed	26.01		2.91 + 0.755 = 3.665
	41	00	——	28.92		
	41	20	Shaded	28.83	0.97	
	43	00	——	27.86		
	43	20	Exposed	28.04		2.67 + 1.10 = 3.770
	45	00		30.71		
	45	20	Shaded	30.49	1.23	
	47	00	——	29.26		

Hygrograph = 65.0 at 9.49

W. Bulb 11.8 C Dry B = 180.

March 24, 1913.

Sky 3 Cu Ci Alto Scatt ⊙ Clear
~~Cl~~ Clds & haze nearby. Air T = 68.0°F

9 52 20	Shaded	26.36	0.54
54 00		25.82	
54 20	Exposed	26.35	2.81 + 0.77 = 3.580
56 00		29.16	
56 20	Shaded	28.98	1.00
58 00		27.98	
58 20	Exposed	28.50	2.38 + 1.165 = 3.545
10 00 00		30.88	
00 20	Shaded	30.65	1.33
02 00		29.32	

Hazy at close. Best not to continue.

Tues April 1, 1913 Pyr-No 17.

Sky 2 ci [illegible] ⊙ clear L.E.Abbr

8 24 20	Shd	12.50	-0.12		Air T = ~~[illegible]~~ 61.0 F at 8:24
26 00	—	12.62			
26 20	Exp.	13.22	3.40 + 0.11 =	3.51	
28 00	⊥	16.72			
28 20	Shd	16.78	0.34		
30 00	—	16.44			
30 20	Exp.	16.88	3.04 + 0.55 =	3.59	
32 00	⊥	19.92		3.55	
32 20	Shd	19.84	0.76		
8 34 00	—	19.08			

Hygrograph = 74.0 at 8:36 am

8 51 20	Shd	17.48	-0.04		Air T = 64.5 F at 8:51
53 00	—	17.52			
53 20	Exp.	18.24	3.48 + 0.23 =	3.71	
55 00	⊥	21.72			
55 20	Shd	21.68	0.50		
57 00	—	21.18			
57 20	Exp.	21.70	3.02 + 0.71	= 3.73	
59 00	⊥	24.72		3.72	
59 20	Shd	24.64	0.92		
9 01 00	—	23.72			

Hygrograph = 72.5 at 9:04 am.

April 1, 1913.

Sky 4 clear cis low & Scatt West.

⊙ Clear	9	22 20	Shd	20.08	Air T = 70.0 F at 9:22
		24 00	—	20.11	-0.03
		24 20	Expos	20.70	3.54+0.245=3.785
		26 00		24.24	
		26 20	Shd	24.14	0.52
		28 00	—	23.62	
		28 20	Expos	24.18	3.00+0.76=3.760
		30 00		27.18	3.772
		30 20	Shd	27.02	1.00
	9	32 00	—	26.02	

Hygrograph = 70.5 at 9:35

wet B = 11.4 C dry B = 17.2 C

Sky 5 cirrus clear at close
Not safe to continue further -

See next page

April 1, 1913

Clearer ~~near~~ Sun

Sky 5 Cir.s Cir. ⊙ clear Air T=7.00 H.

9 48 20	Shd	22.12	0.12
50 00	—	22.00	
50 20	Exposed	2266	3.42 + 039 = 3.81
52 00	—	26.08	
52 20	Shd	26.04	0.66
54 00	—	25.38	
54 20	Exp.	25.90	2.95 + 0.89 = 3.84
56 00	—	28.85	Mean 3.825
56 20	Shd	2862	1.12
9 58 00		27.50	

Hygrograph = 67.7 10 00 am

~~10 04 20~~	~~Shd~~	~~24.70~~	~~0.38~~
~~06 00~~	—	~~24.32~~	
~~06 20~~	~~Exp.~~	~~24.84~~	~~3.17 + 0.665 = 3.835~~
~~08 00~~	—	~~28.01~~	
~~08 20~~	~~Shd~~	~~27.95~~	~~0.95~~
~~10 00~~	—	~~27.00~~	
~~10 20~~	~~Exp.~~	~~26.86~~	~~2.78~~
~~12 00~~	—	~~26.08?~~	
~~12 20~~	~~Shd~~	~~28.99~~	
~~10 14 00~~	—	~~25.~~	

Reject
disturbed.

April 1, 1913

Sky 4 Cirrus Cirru 0 Clear Cirr T=72.5 F

10	15 20	Shd	25.00	+0.38
	17 00	—	24.62	
	17 20	Exp.	25.19	3.23+0.655 =
	19 00	—	28.42	3.885
	19 20	Shd	28.40	+0.93
	21 00	—	27.47	
	21 20	Exp.	27.98	2.76+1.085
	23 00	—	30.74	3.845
	23 20	Shd	30.68	1.24
10	25 00	—	29.44	mean 3.865

Hygrograph 650 at 10.26 am
~~10~~

Cs Watch used = 50s fast

Wed April 2, 1913

L.G.Ab.

Sky 3 Ci as cirbor ⊙ clear

8 39 20	Shd	12.74	-0.12	Air T = 63.0 F
41 00	—	12.86		
41 20	Exp	13.50		3.48 + 0.13 = 3.610
43 00	—	16.98		
43 20	Shd	16.99	0.38	
45 00	—	16.61		
45 20	Exp	17.16		3.04 + 0.53 = 3.570
47 00	—	20.20		3.5900
47 20	Shd	20.12	0.68	
8 49 00	—	19.44		

Hygrograph = 70.0 at 8:50

8 58 20	Shd	17.78	0.01	Air T = 67.0 F
9 00 00	—	17.77		
00 20	Exp	18.30		
02 00	—	21.70		3.40 + 0.255 = 3.655
02 20	Shd	21.68	0.50	
04 00	—	21.18		
04 20	Exp	21.72		3.00 + 0.68 = 3.680
06 00	—	24.72		3.6675
06 20	Shd	24.62	0.86	
9 08 00	—	23.76		

Hygrograph = 688 at 9:10

Ci watch = 57s fast at 9:18

April 2, 1913
Sky 2 cir cis hor
⊙ clear

9 22 20 Shd 20.98 air T = ~~730~~ 680 F
24 00 — 20.96 +0.02
24 20 Eff. 21.56
26 00 — 25.00 3.44 +0.305
26 20 Shd. 24.96 +0.59 3.745
28 00 — 24.37
28 20 Eff. 24.91 2.97+0.795 = 3.765
30 00 — 27.88 3.755
30 20 Shd 27.72 1.00
9 32 00 — 26.72

Hygrograph = 66.5 at 9:33

9 43 20 Shd = 23.22 air T = 67.5
45 00 — 23.00 0.22
45 20 Eff. 23.56
47 00 — 26.88 3.32+0.52 = 3.840
47 20 Shd 26.82 0.82
49 00 — 26.00
49 20 Eff 26.50 2.82 +1.00 = 3.820
51 00 — 29.32 3.830
51 20 Shd 29.16 1.18
9 53 00 — 27.98

Hygrograph = 65.0 at 9:56
Wet B = 11.5C
Dry B = 18.4C

April 2, 1913.

Sky 3 Cirri Cu Scatt hor ⊙ clear

10 14 20 Shd 23.03 airT = 7.15 ft

16 00 — 22.98 0.05

16 20 Exp. 23.42 3.58 + 0.355 = 3.935

18 00 — 27.00

18 20 Shd 26.98 0.66

20 00 — 26.32

20 20 Exp 26.84 2.92 + 0.895 = 3.815

22 00 — 29.76 3.875

22 20 Shd 29.61 1.13

10 24 00 — 28.48

Hygrograph = 640 at 10:25

Friday April 4th 1913

Watch C

Sky 4 Cu Ci Cu   Air Temp = 66.5°

10	44	20	Shad	17	40	
	46.	00	—	17	64	+ 24 Reject
	46	20	Exp	18	08	
	48	00	—	22	02	3.94 + 37.5 = 4.31.5
	48	20	Shad	22	25	
	50	00	—	21	92	+ .33
	50	20	Exp	22	39	
	52	00	—	25	88	3.49 + 55.5 = 4.045
	52	20	Shad	25	96	
	54	00	—	25	18	.78

Hygro. reads 54.0 at 10. ~~50~~ 56

11	00	20	Shad	23	30	
	02	00	—	23	28	+ .02
	02	20	Exp	23	60	
	04	00	—	27	17	3.57 + .40 = 3.97
	04	20	Shad	27	17	
	06	00	—	26	39	.78
	06	20	Exp	26	78	
	08	00	—	29	90	3.12 + .94 = 4.06
	08	20	Shad	29	95	
	10	00	—	28	75	1.20

Friday April 4th 1913

11	12	20	Shad	27	80	
	14	00	—	26	70	+.30
	14	20	Exp	27	08	~~3.10~~
	16	00	—	30	18	3.10 +.72 = 3.97
	16	20	Shad	30	10	
	18	00	—	28	96	1.74
	18	20	Exp	29	45	
	20	00	—	32	16	2.71 + 1.~~285~~ 235 = 3,945 ~~3,995~~
	20	20	Shad	32	05	
	22	00	—	30	72	1.33

Hygro read at —

11	23	20	Shad	29 70	
	25	00	—	28 71	.99
	25	20	Exp	28 98	
	27	00		31.90 = 2,92 + 99.5 = 3,915	
	27	20	Shad	31.70	
	~~31~~ 29	00	—	30.50	1.20
	~~31~~ 29	20	Exp	30.97	
	31	00	—	33.50	2.53 + 1.38 = 3.91
	31	20	Shad	33,38	
	33	00	—	31.82	1.56

Hyg read at 11.37 52,0
W. B = 11.6 C.
D. B = 19.8 C.
Watch C used = 45s fast

Mon April 7, 1913

Sky 0 air T = 65.5 F.

Pyrhel No. 17. L.C. Obs

8 24 20	Shd	1274	−0.10	
26 00	—	12.84		
26 20	Exp.	13.50		3.52 + 0.135 = 3.655
28 00	—	17.02		
28 20	Shd	17.05	0.37	
30 00	—	16.68		
30 20	Exp	17.18		3.14 + 0.575 = 3.715
32 00	—	20.32		3.685
32 20	Shd	20.28	0.78	
34 00	—	19.50		

Hygrograph = 73.5 at 8.35 am.

8 45 20	Shd	17.80		air T = 69.0 F
47 00	—	17.80	0.00	
47 20	Exp	18.24		3.70 + 0255 = 3.955?
49 00	—	21.94		
49 20	Shd	21.92	0.57	
51 00	—	21.41		
51 20	Exp	21.98		3.03 + 0.~~92~~715 = 3.745
53 00	—	25.01		3850
53 20	Shd	24.94	0.92	
55 00	—	24.02		

Hygrograph = 72.8 at 8.56

April 7, 1913

Sky 0 air T = 68.0 F

8 57 20	Shd	23.08	0.50		
59 00	—	22.58			
59 20	Exp	23.20	2.98	+0.715	= 3.695
9 01 00	—	26.18			
01 20	Shd	26.11	0.93		
03 00	—	25.18			
03 20	Exp	25.68	2.74	+1.06	= 3.800
05 00	—	28.42			3.7475
05 20	Shd	28.20	1.19		
07 00	—	27.01			

Hygrograph = 72.0 at 9:08

Wet B = 12.9 C Dry B = 18.8 C.

C's Watch used = 11^s fast

9 27 20	Shd	22.30	0.08	Air T – 69.5 F	
29 00	—	22.22			
29 20	Exp.	22.88	3.46	+0.39	= 3.850
31 00	—	26.34			
31 20	Shd	26.28	0.70		
33 00	—	25.58			
33 20	Exp.	26.14	3.00	+0.88	= 3.88
35 00	—	29.14			3.865
35 20	Shd	28.98	1.06		
9 37 00	—	27.92			

Hygrograph = 70.0 at 9:38

april 7, 1913

Sky 0   air t = 72.0 F.

9 41 20 Shd 25.92
43 00 — 25.44 0.48
43 20 Exp 26.00 3.12 + 0.75 = 3.870
45 00 — 29.12
45 20 Shd 29.04 1.02
47 00 — 28.02
47 20 Exp 28.58 2.70 + 1.17 = 3.870
49 00 — 31.28 3870
49 20 Shd 31.02 1.32
9 51 00 — 29.70

Hygrograph = 67.5 at 9.52

10 02 20 Shd 25.38 0.30 air t = 75.0 F
04 00 — 25.08
04 20 Exp 25.70 3.32 + 0.615 = 3.935
06 00 — 29.02
06 20 Shd 28.97 0.93
08 00 — 28.04
08 20 Exp 28.54 2.86 + 1.10 = 3.96
10 00 — 31.40
10 20 Shd 31.19 1.27 3948
10 12 00 — 29.92

Hygrograph = 66.0 at 10.13

Wed April ~~#~~ 9, 1913

Sky 4 Ci hor ⊙ clear

air T = 64.5 F

8	31	20	Shd	12.96	−0.12
	33	00	—	13.08	
	33	20	Exp	13.72	3.52 + 0.12 = 3.64
	35	00	—	17.24	
	35	20	Shd	17.24	0.36
	37	00	—	16.88	
	37	20	Exp	17.40	3.08 + 0.54 = 3.62
	39	00	—	20.48	
	39	20	Shd	20.44	0.72
8	41	00	—	19.72	

3.63

Hygrograph = 67.0 at 8 42

air T = 70.0 F

8	50	20	Shd	18.~~38~~ 40	−0.05
	52	00	—	18.45	
	52	20	Exp	19.12	3.56 + 0.21 = 3.77
	54	00	—	22.68	
	54	20	Shd	22.71	0.47
	56	00	—	22.24	
	56	20	Exp	22.73	3.07 + 0.675 = 3.745
	58	00	—	25.80	
	58	20	Shd	25.80	0.88
9	00	00	—	24.92	

3.758

Hygrograph = 65.5 at 9.02

1913phae.proj..77IC

April 9, 1913

Sky 4 Ci ☉ clear Air T = 73.0 F

9 10 20	Shd	22.70	0.20		
12 00	—	22.50			
12 20	Exp.	23.12	3.36	+0.455	= 3.815
14 00	—	26.48			
14 20	Shd	26.40	0.71		
16 00	—	25.69			
16 20	Exp	26.24	2.88	+0895	= 3.775
18 00	—	29.12			3.795
18 20	Shd	29.00	1.08		
9 20 00	—	27.92			

Hygrograph = 63.5 at 9:22

Os Watch used = Correct.

9 32 20	Shd	24.32	0.22		Air T = 72.5 F
34 00	—	24.10			
34 20	Exp	24.75	3.35	+0.48	= 3.83
36 00	—	28.10			
36 20	Shd	28.04	0.74		
38 00	—	27.30			
38 20	Exp	27.84	2.80	+0935	= 3.735
40 00	—	30.64			3.785
40 20	Shd	30.54	1.13		
42 00	—	29.41			

Hygrograph = 61.5 at 9.44

April 9:1913

Sky 5 Ci CiS Cu Scatt ⊙clear

9 46 20	Shd	27.49	0.49	Air T. = 75.0 F.
48 00	—	27.00		
48 20	Exp	27.54	3.1.0 + 0.735	= 3.835
50 00	—	30.64		
50 20	Shd	30.50	0.98	
52 00	—	29.52		
52 20	Exp	30.06	2.66 + 1.13	= 3.79
54 00	—	32.72		3.812
54 20	Shd	32.48	1.28	
9 56 00	—	31.20		

Hygrograph = 59.8 at 9:58

Wet B = 13.4 C Dry B = 19.8 C

Too hazy & cldy to continue to advantage.

Fri April 25, 1913

Sky 1 Ci Cis ☉ clear air T = 7 30 F
Cs W. used =
1 25 20 pm Shd 18.00 - 0.22
27 00 — 18.22
27 20 Exp. 18.92 3.90+0.10 = 4.00 -
29 00 — 22.82
29 20 Shd 22.94 0.42
31 00 — 22.52
31 20 Exp. 23.04 3.36+0.635 = 3.995
33 00 — 26.40 3.99 ☉
33 20 Shd 26.36 0.85
1 35 00 — 25.51
Hygrograph = 42.5 at 1:36 pm

1 38 20 pm Shd 24.30 +0.40 air T = 74.0 F
~~40 00 — 23.90~~
~~40 20 Exp~~
~~42 00 —~~
~~42 20 Shd~~
~~44 00 —~~
~~44 20 Exp.~~
~~46 00 —~~
~~46 20 Shd~~
~~1 48 00 —~~

April 25, 1913.

Air T = 75.0 F

1 41 20p	Shd	23.62	0.32		
43 00	—	23.30			
43 20	Exp	23.88	3.34	+0.5~~8~~65	= 3.905
45 00		27.22			
45 20	Shd	27.19	0.81		
47 00	—	26.38			
47 20	Exp	26.94	2.86	+1.015	= 3.875
49 00	—	29.80			3.89
49 20	Shd	29.72	1.22		
1 51 00	—	28.50			

Hygrograph = 4.20 at 1:53

2 03 20	Shd	2~~4~~5.18	+ 0.30		
05 00	—	25.18			
05 20	Exp	25.88	3.18	+ 0.585	= 3.765
07 00	—	29.06			
07 20	Shd	28.98	0.87		
09 00	—	28.11	~~Disturbed~~		
09 20	Exp	28.76 ?	2.56	+ 1.025	= 3.585
11 00	—	31.32			
11 20	Shd	31.18	1.18		
13 00	—	30.00			

Reject the set.

Hygrog = 4.20 at 2:15

Wet B = 9.0 C   Dry B = 18.3 C

1913phae.proj..77IC

April 2~~4~~5, 1913
Sky 1 Cirris 0 clear
air T = 78.0 F.

2	20 20	Shd	26.82	0.40	
	22 00	—	26.42		
	22 20	Exp	27.06	3.10 + ~~0.65~~ 0.685 = 3.785	
	24 00	—	30.16		
	24 20	Shd	30.13	0.97	
	26 00	—	29.16		
	26 20	Exp	29.61	2.67 + ~~0~~ 1.12 = 3.79	
	28 00	—	32.28		3.788
	28 20	Shd	32.17	1.27	
2	30 00	—	30.90		

Hygrograph = 42.5 at 2:32 pm.

2	34 20	Shd	28.57	0.67	
	36 00	—	27.90		
	3~~6 00~~6 20	Exp	28.40	2.82 + 0.905 = 3.725	
	38 00	—	31.22		
	38 20	Shd	31.28	1.14	
	40 00	—	30.14		
	40 20	Exp	30.61	2.45 + 1.275 = 3.725	
	42 00	—	33.06		3.725
	42 20	Shd	32.82	1.41	
2	44 00	—	31.41		air T = 75.0 F

Hygrog = 42.5 at 2:45

April 25, 1913

Sky / Ci Cis ⊙ clear

air T = 73.0

2	55 20	Shd	26.40	0.32	
	57 00	—	26.08		
	57 20	Eff	26.62	3.14	+0635 = 3.775
	59 00	—	29.76		
	59 20	Shd	29.66	0.95	
3	01 00	—	28.71		
	01 20	Eff.	29.20	2.52	+112 = 3.64
	03 00	—	31.72		1x15
	03 20	Shd	31.59	1.29	3.708
	05 00	—	30.30		

Hygrograph = 42.5 at 3:07

3	46 20	Shd	~~23.48~~	~~0.04~~	
	~~48 00~~	—	~~23.44~~		
	~~48 20~~	~~Eff.~~	~~23.98~~		~~+~~ = 3.
	~~50 00~~	~~—~~	~~2.~~		
	50 20	Shd	2.		
	52 00	—	2.		
	52 20	Eff	2.		
	54 00	—	2		
	54 20	Shd	2.		
3	56 00	—	2.		

Wed April 30, 1913

Cs watch used = 29s fast L.C.Ab.

Sky Cu 2 hor ⊙ clear Air T = 84.0

1 45 20 Shd 19.00 −0.28
47 00 — 19.28
47 20 Eff 20.00 3.88 +0.015 = 3.895
49 00 — 23.88
49 20 Shd 23.87 0.31
51 00 — 23.56
51 20 Eff 24.10 3.84 +0.005 = 3.845
53 00 — 27.44 3.870
53 20 Shd 27.41 0.70
1 55 00 — 26.71
~~Eff~~

Hygrograph = 34.0 at 1.57

2 00 20 Shd 25.49 0.19 air = 83.0 F
02 00 — 25.30
02 20 Eff 25.85 clds near ⊙
04 00 — 28.54 2.69 Reject.
~~04 20 Shd~~
~~06 00~~
~~06 20 Eff~~
~~08 00~~
~~08 20 Shd~~
2 10 00

Sky Not good enough to continue

Thurs May 1, 1913

F.C.Ob

Sky 1 Cu hor ☉ clear air T = 80.0 F.

2	05 20	Shd	21.15	−0.13		
	07 00	—	21.28			
	07 20	Eff	21.92	3.38	+0.155 =	3.535
	09 00	—	25.30			
	09 20	Shd	25.32	0.44		
	11 00	—	24.88			
	11 20	Eff.	25.42	2.86	+0.65 =	3.510
	13 00	—	28.28			3.522
	13 20	Shd	28.22	0.86		
2	15 00	—	27.36			

Hygrograph = 45.2 at 2:19

2	23 20	Shd	25.00			air T = 77.0 F
	25 00	—	24.74	0.26		
	25 20	Eff.	25.32	2.98	+0.505 =	3.485
	27 00	—	28.30			
	27 20	Shd	28.29	0.75		
	29 00	—	27.54			
	29 20	Eff.	28.02	2.55	+0.905 =	3.455
	31 00	—	30.57			3.47
	31 20	Shd	30.48	1.06		
	33 00	—	29.42			

Hygrograph = 45.5 at 2:34

May 1, 1913

Sky 2 Cu hor ⊙ clear Att = 77.0 F

2 36 20	Shd	27.84	0.56	
38 00	—	27.28		
38 20	Eff	27.70	2.62	+0.75 = 3.37
40 00	—	30.32		
40 20	Shd	30.22	0.94	
42 00	—	29.28		
42 20	Eff	29.62	2.28	+ 1.09 = 3.37 3.37
44 00	—	31.90		
44 20	Shd	31.74	1.24	
2 46 00	—	30.50		

Hygrograph = 47.2 at 2:49

~~Shd 27.16~~

Clds near Sun at 2:53

Sun May 4. 1913

P.C. Obs

Sky 0

Air T = 61.0 F.

C's Watch, used = 30s slow

8 29 20a Shd 16.78 -0.14
31 00 — 16.92
31 20 Eeff 17.58 + 3.67 +0.13 = 3.80
33 00 ~~Eff~~ 16.25
33 20 Shd 16.25 +0.40
35 00 — 15.85
35 20 Eff 16.40 +3.18 +0.595 = 3.775
37 00 — 19.58
37 20 Shd 19.57 +0.79
8 39 00 18.78

3.788

Hygrograph = 41.0 at 8:40

~~8 42 00~~

~~8 42 20~~ 8 42 20 Shd 17.76 0.21
~~43 00~~ 44 00 — 17.55
~~43 20~~ 44 20 Eff 18.02 3.35 +0.495 = 3.845
~~44 00~~ 46 00 — 21.37
~~44 20~~ 46 20 Shd 21.30 0.78
~~45 00~~ 48 00 — 20.52
~~45 20~~ 48 20 Eff 21.08 3.02 +0.91 = 3.930
~~49 00~~ 50 00 — 24.10
~~49 20~~ 50 20 Shd 24.00 1.04
8 52 00 — 22.96

(Air T = 61.0 F)

3.888

Hygrograph = 41.2 at 8:53

May 4, 1913

Sky 0 Air T = 63.0 F.

9 04 20 Shd 19.92 +0.07
06 00 — 19.85
06 20 Exp 20.43 +3.55 +0.34 = 3.89
08 00 — 23.98
08 20 Shd 23.95 +0.61
10 00 — 23.34
10 20 Exp 23.84 +3.14 +0.805 = 3.945
12 00 — 26.98
12 20 Shd 26.88 +1.00 3.938
9 14 00 — 25.8

Hygrograph = 41.8 at 9:15

9 18 20 Shd 24.14 0.46 Air T = 64.0 F
20 00 — 2~~6~~3.68
20 20 Exp 24.20 3.26 +0.70 = 3.96
22 00 — 27.46
22 20 Shd 27.42 0.94
24 00 — 26.48
24 20 Exp 26.92 2.85 +1.085 = 3.935
26 00 — 29.77 3.948
26 20 Shd 29.67 1.23
9 28 00 — 28.44

Hygrograph = 41.0 at 9.30

May 4, 1913
Sky Clear

Air T = 65.0 F.

9 31 20 a Shd 26.62 0.61
33 00 — 26.01
33 20 Exp 26.53 3.15 +0.81 = 3.96
35 00 — 29.68
35 20 Shd 29.52 1.01
37 00 — 28.51
37 20 Exp 28.96 2.82 +1.185 = 4.005
39 00 — 31.78
39 20 Shd 31.66 1.36
9 41 00 — 30.30

3.982

Hygrograph = 40.0 at 9:42

9 43 20 Shd 28.93 0.88 Air T = 66.5 F.
45 00 — 28.05
45 20 Exp 28.53 2.98 + 1.09 = 4.07
47 00 — 31.51
47 20 Shd 31.41 1.30
49 00 — 30.11
49 20 Exp 30.54 2.69 + 1.41 = 4.10
51 00 — 33.23
51 20 Shd 33.10 1.52
9 53 00 — 31.58

4.085

Air T = 67.5 F

Hygrograph = 37.0 at 9.58

Wet B = 8.8 C, Dry B = 20.7 C

Mon May 5, 1913

Sky 0 Clear P.C.Ab.

Air T = 65.0 F

8 39 20 a Shd 16.16 -0.46
41 00 — 16.62
41 20 Exp 17.45 4.03 ∓0.07 = 3.96
43 00 — 21.48
43 20 Shd 21.50 0.32
45 00 — 21.18
45 20 Exp — 21.84 3.44 + 0.59 = 4.03
47 00 — 25.28 3.995
47 00 Shd 25.23 0.86
8 49 00 — 24.37

Hygrograph = 40.5 at 8 50

8 51 20 Shd 23.51 0.49 Air T = 66.5 F
53 00 — 23.02
53 20 Exp 23.70 3.28 + 0.74 = 4.020
55 00 — 26.98
55 20 Shd 26.88 0.99
57 00 — 25.89
57 20 Exp 26.42 2.86 + 1.145 = 4.005
59 00 — 29.28 4.012
59 20 Shd 29.11 1.30
9. 01 00 — 27.81

Hygrograph = 39.5 at 9:02

May 5, 1913

Sky 0 Air T=69.0F

9	07 20	Shd	24.68	0.45		
	09 00	—	24.23			
	09 20	Eff	24.84	3.30	+0.71	= 4.010
	11 00	—	28.14			
	11 20	Shd	28.07	0.97		
	13 00	—	27.10			
	13 20	Eff	27.62	2.90	+1.15	= 4050
	15 00	—	30.52			403
	15 20	Shd	30.41	1.33		
9	17 00	—	29.08			

Hygrograph = 36.5 at 9:18

9	19 20	Shd	27.72	0.76	Air T=70.0 F	
	21 00	—	26.96			
	21 20	Eff	27.49	3.13	+0.97	= 4.100
	23 00	—	30.62			
	23 20	Shd	30.48	1.18		
	25 00	—	29.30			
	25 20	Eff	29.77	2.73	+1.33	= 4.06
	27 00	—	32.50			408
	27 20	Shd	32.38	1.48		
9	29 00	—	30.90			

Hygrograph = 34.7 at 9:30

May ~~4~~ 5 1913

Air T = 70.8 F

9 37 20	Shd	26.61	0.39			
39 00	—	26.22				
39 20	Exp	26.73	3.41	+ 068	= 4.09	
41 00	—	30.14				
41 20	Shd	30.03	0.97			
43 00	—	29.06				
43 20	Exp	29.59	2.95	+ 1.16	= 4.110	
45 00	—	32.54				410
45 20	Shd	32.37	1.35			
9 47 00	—	31.02				

Hygrograph = 32.5 at 9.48

Air T = 71.0 F

9 54 20	Shd	27.52	0.50			
56 00	—	27.02				
56 20	Exp	27.70	3.28	+ 0.775	= 4.055	
58 00	—	30.98				
58 20	Shd	30.80	1.05			
10 00 00	—	29.75				
00 20	Exp	30.27	2.85	+ 1.235	= 4.115	
02 00	—	33.12				4.085
02 20	Shd	32.90	1.42			
10 04 00	—	31.48				

Hygrograph = 32.8 at 10:06

Wet B = 8.6 C / Dry B = 19.3 C

Tues. May 6, 1913

D Sky 0 air T = 77.0°F.
Watch ~~S~~ D used > 36s fast

1 33 20 Shd 19.15 − 0.15
35 00 — 19.30
35 20 Exp 19.96 3.96 + 0.265 = 4.225
37 00 + 23.92
37 20 Shd 23.96 + 0.68
39 00 — 23.28
39 20 Exp. 24.07 3.42 + 0.83 = 4.250
41 00 + 27.49 4.238
41 20 Shd 27.46 0.98
1 43 00 — 26.48
~~[illegible]~~

Hygrograph = 37.5 at 1:45
air T = 77.0°F

1 45 20 Shd 25.49 0.51
47 00 — 24.98
47 20 Exp 25.42 3.31 + 0.755 = 4.065
49 00 + 28.73
49 20 Shd 28.71 1.00
51 00 — 27.71
51 20 Exp 28.22 2.86 + 1.16 = 4.020
53 00 + 31.08 4.042
53 20 Shd 30.92 1.32
1 55 00 — 29.60

Hygrograph = ~~8~~ 37.3 at 1.56

May 6 1913

Sky 0 . Air 77.5 F

1 58 20 Shd 27.72 0.72
2 00 00 — 27.00
00 20 Exp 27.68 3.01 + 0.94 = 3.95
02 00 — 30.69
02 20 Shd 30.62 1.16
04 00 — 29.46
04 20 Exp 29.90 2.67 + 1.30 = 3.97
06 00 — 32.57 3.96
06 20 Shd 32.38 1.44
2 08 00 — 30.94

Hygrograph = 37.5 at 2:12

Wet B = 9.1 C : Dry B = 19.5 C.

Sky 0 Air t 75.5 F

2 21 20 Shd 25.72 0.32
23 00 — 25.40
23 20 Exp 25.98 3.34 + 0.585 = 3.925
25 00 — 29.32
25 20 Shd 29.27 0.85
27 00 — 28.42
27 20 Exp 28.88 2.82 + 1.06 = 3.880
29 00 — 31.70 3.902
29 20 Shd 30.56 1.27
2 31 00 — 30.29

Hygrograph = 39.5 at 2:32

May 6, 1913

Sky 0 Air T =

2	35	20	Shd	27.85	0.65	
	37	00	—	27.20		
	37	20	Exp	27.78	2.92	+0895 =3.815
	39	00	—	30.70		
	39	20	Shd	30.58	1.14	
	41	00	—	29.44		
	~~41~~	~~20~~	~~Exp~~		+	=
	~~43~~	~~00~~	~~—~~			
	~~43~~	~~20~~	~~Shd~~			
	~~45~~	~~00~~				

Hygrograph = ~~at~~ 2:46

~~2 48 00 Shd~~
2 48 20 —
50 00 Exp
50 20 —
52 00 Shd
52 20 —
54 00 Exp
54 20 —
56 00 Shd
56 20
2 58 00

disturbed

see next page

May 6, 1913

Sky 0 Air T = 71.5 F

2 55 20	Shd	2466	0.30	
57 00	—	24.36		
57 20	Eff	24.92	3.22 +0.58	= 3.800
59 00	—	28.14		
59 20	Shd	28.16	0.86	
3 01 00	—	27.30		
01 20	Eff	27.75	2.65 +1.04	= 3.690
03 00	—	30.40		3.745
03 20	Shd	30.24	1.22	
3 05 00	—	29.02		

Hygrograph = 47.5 at 3.06

Wed. May 7, 1913

Sky 2 a cis E hor. ⊙ clear Air T = 69.0

Shd	2 29 20	18.53	−0.09		
—	31 00	18.62			3.815
Eff.	31 20	19.30	3.$\overset{6}{\cancel{4}}$0	+ 0.2$\overset{1}{8}$5 =	~~3.6[illegible]~~
—	33 00	22.90			
Shd	33 20	22.92	0.52		
—	35 00	22.40			
Eff.	35 20	22.80	3.16 + 0.705 =		3.865
—	37 00	25.96			3.840
Shd	37 20	25.91	0.89		
—	2 39 00	25.02			

Hygrograph = 47.5 at 2:40

Shd	2 43 $\overset{2}{8}0$	23.49	0.39		
—	45 $\overset{0}{2}0$	23.10			
Eff	$\overset{2}{0}0$	23.65	3.16	+063 =	3.79
—	47 $\overset{0}{2}0$	26.81			
Shd	$\overset{2}{8}0$	26.79	0.87		
—	49 $\overset{0}{2}0$	25.92			
Eff.	$\overset{2}{8}0$	26.34	2.74	+1.015	= 3755
—	51 $\overset{0}{2}0$	29.08			3.772
Shd	$\overset{2}{8}0$	29.60	1.16		
—	2 53 00	28.44			

Air T = 69.5 H

Hygrograph = 47.7 at 2:55

May 7, 1913

air T = 68.24

Shd	2 58 20	25.54	0.58		
—	3 00 00	24.96			
Exp	20	25.52	2.87 + 0.81	= 3.68	
—	02 00	28.39			
Shd	20	28.24	1.04		
—	04 00	27.20			
Exp	20	27.60	2.50 + 1.19	= 3.69	
—	06 00	30.10		3.685	
Shd	20	29.90	1.34		
—	08 00	28.56			

Hygrograph = 47.5 at 3 10

~~Shd~~	~~3 11 20~~	~~26.53~~	~~0.70~~
~~—~~	~~13 00~~	~~25.83~~	
~~Exp~~	~~20~~	~~26.50~~	~~3.49~~
~~—~~	~~15 00~~	~~28.99~~	
~~Shd~~	~~20~~		
~~—~~	~~17 00~~		
~~Exp~~	~~20~~		
~~—~~	~~19 00~~		
~~Shd~~	~~20~~		
~~—~~	~~21 00~~		

~~Hygrograph = at~~

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May 7, 1913

Sky 2 cirris on horiz. ☉ clear

Air T = 67.5 F

Shd	3 39 20	22.40	0.10	
	41 00	22.30		
Exp	20	22.82	274 + 0.3 =	
	43 00	25.56		
Shd	20	25.52	0.63	
	45 00	24.89		
Exp	20	25.33	2.53 + 0.835 = 3.365	
	47 00	27.86		
Shd	20	27.78	1.04	
	3 49 00	26.74		

Hygrograph = 51.0 at 3:55

Wet B = 8.9 C; Dry B = 15.6C.

Thurs May 8, 1913

Sky 2 ci cis Scattd
⊙ clear (1:42 air T = 78.0 H

1 43 20 Shd 18.40 0.18
45 00 — 18.58
1 20 Exp 19.33 3.91 +0.095 = 4.005
47 00 — 23.24
20 Shd 23.29 0.37
49 00 — 22.92
20 Exp 23.61 3.34 +0.62 = 3.960
51 00 — 26.95 3.942
20 Shd 26.89 0.87
1 53 00 — 26.02
1 54 — air T = 81.0 FT
Hygrograph = 39.0 at 1:55

1 55 20 Shd 25.20 0.41
57 00 — 24.79
20 Exp 25.40 3.29 + 064 = 3.93
59 00 — 28.69
20 Shd 28.65 0.87
2 01 00 — 27.78
20 Exp 28.21 2.89 + 1.055 = 3.945
03 00 — 31.10 3.938
20 Shd 31.09 1.24
2 05 00 — 29.85
2:05 air T = 79.0 FT
Hygrograph = 39.5 at 2 06

May 8, 1913

~ Sky 2 ci cis scatt [illegible]

2 07	20	Shd	28.58	0.74		
09	00	—	27.84			
	20	Eff	28.32	2.98	+0.97	= 3.950
11	00	—	31.30			
	20	Shd	31.19	1.20		
13	00	—	29.99			
	20	Eff	30.42	2.62	+1.32	= 3.94
15	00	—	33.04			3.945
	20	Shd	32.82	1.44		
2 17	00	—	31.38			air T = 75.0 F at 2:17

Hygrograph = 398 at 2:19

Wet B = 8.5 C Dry B = 18.3 C

2 22	20	Shd	28.34	0.61		
24	00	—	27.73			
24	20	Eff	28.22	3.00	+ 0.875	= 3.875
26	00	—	31.22			
26	20	Shd	31.18	1.14		
28	00	—	30.04			
28	20	Eff	30.53	2.59	+ 1.28	= 3.87
30	00	—	33.12			3.872
2 30	20	Shd	32.95	1.42		
32	00	—	31.53			

Air T = 75.0 F at 2:32

Hygrograph = 398 at 2:34

May 8, 1913

2 Ci Cis Scatt Cirrt

⊙ clear

~~29~~

~~2 34 20 Shd 3000 0.89~~

~~36 00 — 29.11~~

~~20 Eff 29.58 2.70 + 0.955 = 3.655~~

~~38 00 — 32.28~~

~~20 Shd 32.12 1.02~~

~~40 00 — 31.60~~

~~20 Eff 3 + = 3.~~

~~42 00 — 3~~

~~20 Shd 3~~

~~2 44 00 — 3~~

~~2 44 air T=~~

~~Hygrograph = at 2.45~~

air T= at 2:40 = 74.5

2 40 20 Sbd 30.64 1.01

42 00 — 29.63

42 20 Eff 30.09 2.56 + 1.185 = 3.745

44 00 — 32.65

44 20 Sbd 32.48 1.36

46 00 — 31.12

46 20 Eff 31.47 2.31 + 1.48 = 3.79

48 00 — 33.78 3.76A

48 20 Sbd 33.60 1.60

50 00 — 32.00

air T= 73.0 at 2.50

Hygrograph = 41 at 2.51

May 8, 1913

Sky 2 Cirrus ☉ clear

2 52	20	Shd	30.26	0.98	
54	00	—	29.28		
	20	Exp	29.70	2.52	+1.17 = 3.69
56	00	—	32.22		
	20	Shd	32.08	1.36	
58	00	—	30.72		
	20	Exp	31.12	2.27	+1.44 = 3.71
3 00	00	—	33.39		3.70
	20	Shd	33.13	1.52	
02	00	—	31.61		

~~20~~

Air T = 71.0 at 3:02

Hygrograph reads 42.0 at 3:04

Watch D used = 35 fast

Sat May 10, 1913

Sky 2 ci ci st horz LCAbz

~~Watch 3 min fast~~ 6 Sun clear

9 15 20 Shd 11.82 -0.16 air T = 61.0 F

$\overset{8}{17}$ 00 — 11.98

20 Exp 12.70 3.90 + 0.095 = 3.995

$\overset{20}{19}$ 00 — 16.60

20 Shd 16.58 0.35

22 00 — 16.23

20 Exp 16.85 3.25 + 0.575 = 3.825

$\overset{4}{28}$ 00 — 20.10 3.910

20 Shd 20.08 0.80

9 $\overset{6}{25}$ 00 — 19.28

Hygrograph = 41.5 at 9.27

9 35 20 Shd 17.68 0.06 air T = 61.0 F

37 00 — 17.72

20 Exp 18.28 3.64 + ~~0.275~~ 0.325 = 3.965

39 00 — 21.92

20 Shd 21.95 0.59

41 00 — 21.36

20 Exp 21.90 3.22 + 0.785 = 4.005

43 00 — 25.12 3.985

20 Shd 25.06 0.98

45 00 — 24.08

Hygrograph = 41.2 at 9.46

~~Sept.~~ May 10, 1913

9:47.20	Sbd	23.03			Air T = 61.5 F
49 00	—	22.50	0.53		
20	Eff	23.00	3.24	+ 0.78	= 4.020
51 00	—	26.24			
20	Sbd	26.14	1.03		
53 00	—	25.11			
20	Eff	25.51	2.92	+ 1.155	= 4.075
55 00	—	28.43			4.048
20	Sbd	28.26	1.28		
9 57 00	—	26.98			

Hygrograph = 40.5 at 9:54
Wet B = 7.4 Dry B = 17.8 at 9.54

9 57 20	Sbd	26.90	0.98		Air T = 62.5
59 00	—	25.92			
20	Eff	26.38	2.84	+1.13	= ~~4~~ 3.970
10 01 00	—	29.22			
20	Sbd	29.00	1.28		
03 00	—	27.72			
20	Eff	28.06	2.71	+1.39	= ~~4~~ 4.10
05 00	—	30.77			~~4.035~~
20	Sbd	30.50	1.50		4.035
10 07 00	—	29.00			

Hygrograph = 400 at 10:08

May 10, 1913

10:08:20	Shd	28.00	1.00	air T = 64.5 AT
10 00	—	27.00		
20	Exp	27.47	2.93	+1.165 = 4.095
12 00	—	30.40		
20	Shd	30.16	1.33	
14 00	—	28.83		
20	Exp	29.22	2.60	+ 1.425 = 4.025
16 00	—	31.82		4.060
20	Shd	31.62	1.52	
10 18 00	—	30.10		

Hygrograph = 39.0 at 10.19

10 20 20	Shd	28.49	0.94	air T = 64.0 AT
22 00	—	27.55		
20	Exp	28.03	2.95	+ 1.13 = 4.080
24 00	—	30.98		
20	Shd	30.83	1.30	
26 00	—	29.53		
20	Exp	30.00	2.58	+ 1.435 = 4.015
28 00	—	32.58		4.048
20	Shd	32.35	1.57	
10 30 00	—	30.78		air T = 64.0 AT

Hygrograph = 40.0 at 10.31

Sky 2 Ci Cs hor. O clear

Watch D = 3m 0s fast at 10:33

Sun May 11, 1913

Sky 2 Cir. St. Scattery Sun clear   L.C. Obs

9:05 20 Shd 11.18 -0.16 air T = 60.0
07 00 — 11.34
20 Exp 12.00 3.82 +0.085 = 3.905
09 00 — 15.82
20 Shd 15.75 0.3^3
11 00 — 15.42
20 Exp 16.00 3.35 +0.665 = 4.01^5
13 00 — 19.35   3.96
20 Shd 19.32 1.00
15 00 — 18.32

~~20~~

Hygrograph = 41.0 at 9:16

9 17 20 Shd 17.80 0.37 air T = 67.0 HT
19 00 — 17.43
20 Exp 17.96 3.44 +0.59 = 4.03
21 00 — 21.40
20 Shd 21.45 0.81
23 00 — 20.64
20 Exp 21.05 3.13 +0.925 = 4.05^5
25 00 — 24.18   4.042
20 Shd 24.05 1.04
9 27 00 — 23.01

Hygrograph = 40^5 at 9:28

May 11, 1913

9.44.20 Shd 20.38 -0.08 Air T = 72.0 F
46 00 — 20.46
20 Exp 21.15 3.83 + 0.20 = 4.03
48 00 — 24.98
20 Shd 24.99 0.48
50 00 — 24.47 3.48
20 Exp 25.06 ~~2.98~~ + 0.66 = 4.14
52 00 — 28.$\overset{5}{8}$4 4.085
20 Shd 28.06 0.84
9 54 00 — 27.22

Hygrograph = 400 at 9.55

9 56 20 Shd 26.24 0.56 (Air T = 72.0 F)
~~58~~ 00 — 25.68
20 Exp 26.16 3.20 + 0.93 = 4.130
10 ~~00~~ 00 — 29.36
20 Shd 29.32 1.30
02 00 — 28.02
20 Exp 28.59 2.79 + 1.32 = 4.11
04 00 — 31.38 4.12
20 Shd 31.22 1.34
10 06 00 — 29.88

Hygrograph = 398 at 10.07
Wet B = 8.4 C Dry B = 18.4 C

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May 11, 1913

10 08	20	Shd	28.42	0.90	Air T = 72.5 FT
10	00	—	27.52		
	20	Eff	28.00	3.00	+ ~~1.01~~ 1.09 = 4.09
12	00	—	31.00		
	20	Shd	30.86	1.28	
14	00	—	29.58		
	20	Eff	30.04	2.~~4~~58	+1.42 = 4.00
16	00	—	32.62		4045
	20	Shd	32.58	1.56	
18	00	—	31.02		

Hygrograph reads 39.0 at 10:19

Wet Bulb = 8.4 C. Dry Bulb = 18.4 C. at 10:19

10 18	20	Shd	30.78	1.20	Air T = 71.5 FT
20	00	—	29.58		
	20	Eff	30.00	2.72	+1.345 = 4.065
22	00	—	32.72		
	20	Shd	32.50	1.49	
24	00	—	31.01		
	20	Eff	31.44	2.45	+1.545 = 3.995
26	00	—	33.89		4.03
	20	Shd	33.60	1.60	
10 28	00	—	32.00		Air T = 73.0 FT

Hygrograph reads 39.0 at 10.30

~~Os.~~ Watch Direct = $3^m 20^s$ fast at 10:32

Tues May 13, 1913

Sky 2 circs 1-3 long

LCMc

8 53 20 Shd 11.82 −012 Air T=620 F
55 00 — 11.94
20 Eff 12.66 3.54 +0155= 3.695
57 00 — 16.20
20 Shd 16.39
59 00 — 15.96 0.43 ✗
20 Eff 16.44 3.24 + 0605 = 3845
9 01 00 — 19.68
3.77
20 Shd 19.60 0.78
03 00 — 18.82

Hygrograph = 45.2 at 9.04

9 07 ~~00~~ 20 Shd 17.60 0.27 Air T 64.5 F
09 00 — 17.33
20 Eff 17.92 3.30 +050 = 380
11 00 — 21.22
20 Shd 21.24 0.73
13 00 — 20.51
20 Eff 21.00 2.96 +0875 = 3.835
15 00 — 23.96
3.818
20 Shd 23.84 1.02
9 17 00 — 22.80

Hygrograph = 45.0 at 9.18

May 13, 1913

9:30:20	Shd	1988	0.16		Air T = 71.0 AT
32 00	—	19.72			
20	Eff	20.46	3.56	+0.37	= 3.93
34 00	—	24.02			
20	Shd	24.26	0.58		
36 00	—	23.68			
20	Eff	24.18	3.14	+0.78	= 3.92
38 00	—	27.32			3925
20	Shd	27.24	0.98		
9:40 00	—	26.26			

Hygrograph = 44.5 at 9:41

9 45 20	Shd	2448			air T = 71.5 HT
47 00	—	24.14	0.34		
20	Eff	24.76	$3.\overset{2}{0}4$	+059	= 3.83
49 00	—	28.00			
20	Shd	27.95	0.84		
51 00	—	27.11			
20	Eff	27.64	$2.8\overset{7}{\cancel{3}}$	+1.00	= 3.87
53 00	—	30.51			3.85
20	Shd	30.40	1.16		
55 00	—	29.24			

Hygrograph = 430 at 9:56

Wet B = 9.7 C Dry B = 19.0 C

May 13, 1913

9 55 20 Shd 29.01 1.24 air T = 71.2 F
57 00 — 2777
20 Exp 4.35 2.83 + 1.20 = 4.03
9 59 00 — 31.18
20 Shd 30.96 1.16
10 01 00 29.80
20 Exp 30.26 2.66 + 1.31 = 3.97
03 00 — 32.92 4.00
20 Shd 32.74 1.46
10 05 00 — 31.28

Hygrograph reads 41.0 at 10:06

10 08 20 Shd 29.70 0.90 air T = 71.0 F
10 00 — 28.80
20 Exp 29.2A 2.77 + 1.115 = 3.885
12 00 — 32.05
20 Shd 31.95 1.33
14 00 — 30.62
20 Exp 30.94 2.53 + 1.42 = 3.950
16 00 — 33.47 3.918
20 Shd 33.33 1.51
10 18 00 — 31.82 air T = 70.0 F

Hygrograph 40.2 at 10.19

Watch D ~ 28° slow at 10.36
Sky 1 cirrus fog at close.

Thurs May. 15, 1913

Sky 1 Ci NE hor. ☉ clear R.C. Obs

Watch D = 10 sec slow at 8:38.

8 41 20	Shd	1362	-0.45	Air T = 60.0 F
43 00	—	14.07		
20	Exp	14.76	3.90 − 0.065 = 3.835	
45 00	—	18.66		
20	Shd	18.58	0.32	
47 00	—	18.26		
20	Exp	18.93	3.14 + 0.50 = 3.640	
49 00	—	22.07		3.738
~~51~~ 20	Shd	22.08	0.68	
8 51 00	—	21.40		

Hygrograph = 54.0 at 8:53

Some haze near Sun.

8 54 20	Shd	20.42	0.35	Air T = 61.0 F
56 00		20.07		
20	Exp	20.61	3.14 + 0.57 = 3.710	
58 00	—	23.75		
20	Shd	23.71	0.79	
9 00 00	—	22.92		
20	Exp	23.40	2.66 + 0.935 = 3.595	
02 00	—	2606		3.652
20	Shd	2592	1.08	
04 00	—	24.84		

Hygrograph = 52.0 at 9:06

Too much haze near Sun to continue.

May 15, 1913

Sky Somewhat better near Sun.

9 22 20 Shd 20.52 0.07 Air T=65.0 °F
24 00 — 20.45
20 Exp 21.02 3.40+0.355=3.755
26 00 — 24.42
20 Shd 24.38 0.64
28 00 — 23.74
20 Exp 24.16 2.91+0.87=3.78
30 00 — 27.07 3.768
20 Shd 26.97 1.10
32 00 — 25.87

Hygrograph = 48.0 at 9.34

9 38 20 Shd 23.28 0.44 Air T=66.0 °F
40 00 — 22.84
20 Exp 23.33 3.11 + 0.69 = 3.80
42 00 — 26.44
20 Shd 26.32 0.94
44 00 — 25.38
20 Exp - 25.78 2.71 +1.15 = 3.86
46 00 — 28.49 3.83
20 Shd 28.38 1.36
9 48 00 — 27.02

Hygrograph = 47 at 9.50
Wet B = 8.8 C; Dry B = 17.2 C

May 15 1913
Sky 1 Cu hazy Sun clearer

9 53 20	Shd	24.32	0.54			Air T = 67.0 F
55 00	—	23.78				
20	Eff	24.28	3.08	+077	= 3.85	
57 00	—	27.36				
20	Shd	27.28	1.00			
9 59 00	—	26.28				
20	Eff	26.68	2.67	+1.17	= 3.84	
10 01 00	—	29.35			3.845	
20	Shd	29.17	1.34			
10 03 00	—	27.83				

Hygrograph = 47.7 at 10:05

10 06 20	Shd	25.84	084			Air T = 67.0 F
08 00	—	25.00				
20	Eff	25.50	2.97	+1.07	= 4.04	
10 00	—	28.47				
20	Shd	28.37	1.30			
12 00	—	27.07				
20	Eff	27.48	2.54	+1.335	= 3.875	
14 00	—	30.02			3.955	
20	Shd	29.79	1.37			
10 16 00	—	28.42				Air T = 66.0 F

Hygrograph = 47.5 at 10.1A

Wed. May 21, 1913

L. C. Ob.

Sky gen clear hazy near East horizon

Watch D used = 1m 26s fast

9 00 20	Shd	13.94	-0.05	Air T = 68.0 F
02 00	—	13.99		
02 20	Exp	14.22	3.98	+ 0.105 = 4.085 ~~3.875~~
04 00	—	18.20		
04 20	Shd	18.23	0.26	
06 00	—	17.97		
06 20	Exp	18.22	3.58	+ 0.52 = 4.100
08 00	—	21.80		4.092
08 20	Shd	21.78	0.78	
9 10 00	—	21.00		

Hygrograph reads 34.4 at 9.12

9 25 20	Shd	19.62	-0.07	Air T = 75.0 F
27 00	—	19.69		
20	Exp	20.39	3.72	+ 0.205 = 3.925
29 00	—	24.11		
20	Shd	24.13	0.48	
31 00	—	23.65		
20	Exp	24.18	3.30	+ 0.70 = 4.00
33 00	—	27.48		3.962
20	Shd	27.38	0.92	
9 35 00	—	26.46		

Hygrograph reads 33.0 at 9.37

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May 21, 1913

9	37	20	Shd	25.49	0.49	air T = 73.5 F
	39	00	—	25.00		
		20	Eff	25.~~4~~38	3.26	+0.695 = 3.~~8~~955
	41	00	—	28.64		
		20	Shd	28.51	0.90	
	43	00	—	27.61		
		20	Eff	28.05	2.90	+1.16 = 4.06
	45	00	—	30.95		4.008
		20	Shd	30.84	1.32	
9	47	00	—	29.52		

Hygrograph reads 32.5 at 9:48

9	52	20	Shd	2~~1~~6.~~8~~95	0.50	air T = 76.0 F
	54	00	—	26.45		
		20	Eff	26.97	3.23	+0.~~58~~73 = 3.960 ~~3.810~~
	56	00	—	30.20		
		20	Shd	30.08	0.96	
	58	00	—	29.12		
		20	Eff	29.64	2.78	+1.12 = 3.90
10	00	00	—	32.42		3.93
		20	Shd	32.08	1.28	
	02	00	—	30.80		

air T = 76.5 F

Hygrograph reads ~~4~~25 at 10:03

Wet B = 10.4 C; Dry B = 21.4 C

Fri. May 23, 1913

Sky w Cirrus & haze   L.B.A.

9:09	20	Shd	13.08	air T = 71.8 F
11	00	—	13.47	-0.39
	20	Eff	14.20	4.05 - 0.135 = 3.915
13	00	—	18.25	
	20	Shd	18.30	0.12
15	00	—	18.18	
	20	Eff	18.80	3.52 + 0.375 = 3.895
17	~~20~~ 00	—	22.32	
	20	Shd	22.27	0.63 3.905
9 19	00	—	21.64	

Hygrograph reads 35.5 at 9:20

9 21	20	Shd	21.06	air T = 73.0 F
23	00	—	20.84	0.22
	20	Eff	21.46	3.46 + 0.475 = 3.935
25	00	—	24.92	
	20	Shd	24.88	0.73
27	00	—	24.15	
	20	Eff	24.70	2.90 + 0.875 = 3.775
29	00	—	27.60	3.855
	20	Shd	27.50	1.02
9 31	00	—	26.48	

Hazy near Sun

Hygrograph reads 34.6 at 9.32

Watch D read = 50ˢ fast at 9:07

May 23, 1913

Sky 2 Cirs S hor.

9 34	20	Shd	25.13	0.41	Air T. 1730 F	
36	00	—	24.72			
	20	Exp	25.22	3.40		+0.685 = 4.085
38	00	|	28.62			
	20	Shd	28.82	0.96		
40	00	—	27.86			
	~~20~~	~~Exp~~	~~28.46~~			+ =
~~42~~	~~00~~	~~|~~	~~31.22~~			
	~~20~~	~~Shd~~	~~31.64~~			
~~44~~	~~00~~	~~—~~				

Hygrograph reads 33.0 at 9.50

Sat. May 24, 1913

L.C. Obs

Sky clear

9 06 20	Shd	1246	− 0.16	air T = 62.0 F
08 00	—	12.62		
20	Exp	13.33	3.90 + 0.115 = 4.015	
10 00	—	17.23		
20	Shd	17.27	0.39	
12 00	—	16.88		
20	Exp	17 50	3.43 + 0.59 =	4.02 4.018
14 00	—	2093		
20	Shd	2090	0.79	
9 16 00	—	20.11		

Hygrograph reads 31.5 at 9.17

9 18 20	Shd	19.40	0.32	air T = 65.0 F
20 00	—	19.08		
20	Exp	19.55	3.53 + 0.525 = 4.055	
22 00	—	23.08		
20	Shd	23.11	0.73	
24 00	—	22.38		
20	Exp	22.92	3.20 + 0.865 =	4065 4060
26 00	—	26.12		
20	Shd	26.10	1.00	
9 28 00	—	25.00		

Hygrograph reads 31.5 at 9.30

May 24, 1913

~~9 41 20~~	~~Shaded~~	~~22.62~~	~~-0.08~~		~~Air T = 75.5 F~~
~~43 00~~		~~22.70~~			
~~20~~	~~Exp~~	~~23.70~~	~~3.95~~	~~+ 0.13~~	~~= ~~3.8~~ 4.080~~
~~45 00~~		~~26.95~~			
~~20~~	~~Shd~~	~~26.92~~	~~0.34~~		
~~47 00~~		~~26.58~~			
~~20~~	~~Exp~~	~~27.00~~	~~2.88~~	~~+ 0.61~~	~~= 3.49~~
~~49 00~~		~~29.88?~~	~~Disturbed; doubtful;~~		
~~20~~	~~Shd~~	~~29.78~~	~~0.88 rejected.~~		
~~9 51 00~~		~~28.90~~			

Hygrograph reads 31.0 at 9:53

9 53 20	Shd	28.05	0.43		Air T = 77.0 F
55 00		27.62			
55 20	Exp	28.18	3.31	+ 0.715	= 4025
57 00		31.49			
20	Shd	31.44	1.00		
59 00		30.44			
20	Exp	30.93	2.90	+ 1.17	=
10 01 00		33.83			
20	Shd	33.58	1.34		
03 00		32.24			

Hygrograph reads 28.0 at 10:02

Wet B = 7.0 C; Dry B = 19.6

May 24, 1913

~~9~~ 10 03 20	Shd	3200	1.05	Air T = 70.0
05 00	—	30.95		
20	Eff	31.48	2.70	+1.25 = 3.95
07 00	—	34.18		
20	Shd	34.00	1.45	
09 00	—	32.55		
20	Eff	32.98	2.46	+1.525 = 4.085 4.018
11 00	—	35.44		
20	Shd	35.18	1.60	
13 00	—	33.58		Air T = 69.0 F

Hygrograph reads 28.5 at 10.15 —

Watch D = 1m fast at 10.18

Mon June 2, 1913

Sky 1 ci cis hory ☉ clear   L.C. Obs.

9 09 20	Shd	10.12	-0.25	Air T = 63.0 F
11 00	—	10.37		
11 20	Exp	11.12	3.88 + 0.07	= 3.95
13 00	—	15.00		
13 20	Shd	15.07	0.39	
15 00	—	14.68		
15 20	Exp	15.37	3.50 + 0.605	= 4.105
17 00	—	18.87		4.028
17 20	Shd	18.82	0.82	
9 19 00	—	18.00		

Hygrograph reads #38.0 at 9:20

9 31 20	Shd	16.37	-0.05	Air T = 62.0 F
33 00	—	16.42		
20	Exp	17.12	3.84 + 0.24	= 4.080
35 00	—	20.96		
20	Shd	20.95	0.53	
37 00		20.42		
20	Exp	20.97	3.33 + 0.755	= 4.085
39 00	—	24.30		4.082
20	Shd	24.20	0.98	
9 41 00	—	23.24		

Hygro. reads 38.0 at 9:42

June 2, 1913

9 44	20	Shd	21.82		Air T = 63.0 F
46	00	~~Exp~~ —	21.32	0.50	
	20	Exp	21.78	3.44+0.73	4.17°
48	00	Shd —	25.22		
	20	Shd	25.10	0.96	
50	00	Exp —	24.14		
	20	Exp	24.64	2.88+1.13	= 4.01
52	00	Shd —	27.52		4.09
	20	Shd	27.43	1.30	
54	00	Sh —	26.13		

Hygrograph = 38.5 at 9.55

Scattered thin clds cirrostr. ○ clear

10 06	20	Shd	21.74		Air T = 63.0 F
08	00	—	21.50	0.24	
	20	Exp	21.94	3.53+0.57 = 4.10	
10	00	—	25.47		
	20	Shd	25.42	0.90	
12	00	—	24.52		
	20	Exp	25.00	~~2.94~~ 3.04+1.025 =	4.065 4.082
14	00	—	28.04		
	20	Shd	27.92	1.15	
16	00	—	26.77		Air T = 65.0 F

Hygrograph = 39.0 at 10.15

Wet B = 7.0 } 10.15
Dry B = 18.6 }

Water D = 4 in 17 ft at 10:25

Tues. June 3, 1913

Sky 0 clear

2 26 20 Shd 18.74 Air T = 73.0 At
28 00 — 18.82 −0.08
20 Exp 19.60 3.72 +025 = 3.97
30 00 " 23.32
20 Shd 23.38 0.58
32 00 — 22.80
20 Exp 23.38 3.30 +0.725 = 4.025
3.998
34 00 " 26.68
20 Shd 26.65 0.95
2 36 00 — 2~~6~~5.70
~~2 30~~

Hygrograph reads 39.5 at 2:37

~~2 40 20 Shd 24.20 −0.11~~ 0.39 Air T = 78.0
42 00 — ~~24.31~~ 23.81 Rejected
~~42 20 Exp 24.33 3.55 + 0.625~~ Uncertain
~~44 00 " 27.88~~
2 44 20 Shd 27.40 0.86 Air T = 77.0 At
46 00 — 26.54
20 Exp 27.10 2.82 + 1.045 = 3.865
48 00 " 29.92
20 Shd 29.87 1.23
50 00 28.64
20 Exp 29.11 2.60 + 1.315 = 3.915
3.89
52 00 " 31.71
20 Shd 31.50 1.40
2 54 00 — 30.10

Hygrograph reads 40.0 at 2 55

June 3, 1913

2	55	20	Sbd	29.19	0.97	Air T = 76.0 F
	57	00	—	28.22		
		20	Sff	28.52	2.78 + 1.07 = 3.85	
	59	00	—	31.30		
		20	Sbd	31.09	1.17	
3	01	00	—	29.92		
		20	aff	30.33	2.45 + 1.305 = 3.755	
	03	00	—	32.78		3.802
		20	Sbd	32.64	1.44	
	05	00	—	31.20		Air T = 76.5 F

Hygrograph reads 41.8 at 3.07
Wet Bulb = 6.0 C } at 3.09
Dry Bulb = 17.3 C }

No opportunity to obtain more obs today

Watch P 30s fast

Wed June 4, 1913

Sky 1Ci Nhorz. R.C.Ab

1 52 20 Shd 18.78 Air T = 75.0
54 00 — 18.88 -0.10
20 Exposed 19.57 4.02 + 0215 = 4.235
56 00 — 23.59
20 Shd 23.62 0.53
58 00 — 23.09
20 Exp 23.70 3.41 + 0755 = 4.165
00 00 — 27.11 4.200
20 Shd 27.06 0.98
2 02 00 — 26.08
Hygrograph reads 35.5 at 2:04

2 05 20 Shd 24.88 0.43 Air T = 75.0 H
07 00 — 24.45
20 Exp 25.10 3.41 + 0.725 = 4.135
09 00 — 28.51
20 Shd 28.50 0.92
11 00 — 27.58
20 Exp 28.04 2.96 + 1.07 = 4.030
13 00 — 31.00 4.082
20 Shd 30.88 1.22
2 15 00 — 29.66
Hygrograph reads 36.0 at 2:17

Watch D used = 1m 30s fast at 1:52

June ~~3~~ 4, 1913

2 17 20 Shd 28.25 0.75 Air T = 75.5 F
19 00 — 27.50
20 Exp 27.80 3.08 +0.915 = 3.995
21 00 — 30.88
20 Shd 30.75 1.08
23 00 — 29.67
20 Exp 30.18 2.72 +1.24 = 3.96
25 00 — 32.90 3.978
20 Shd 32.80 1.40
2 27 00 — 31.40

Hygrograph reads 36.5 at 2:28

2 29 20 Shd 29.30 Air T = 76.0 F
31 00 — 28.60 0.70
20 Exp 29.01 2.73 +093 = 3.66
33 00 — 31.74
20 Shd 31.63 1.16
35 00 — 30.47
20 Exp 30.88 2.34 +130 = 3.64
37 00 — 33.22 365
20 Shd 33.14 1.44
2 39 00 — 31.70 Air T = 76.0 F

Hygrograph reads 38.0 at 2.40

Repeated, Sun off of point at close.
Probably best to reject this set.

June 4, 1913

2 41 20	Shd	30.70		air T = 76.5	
43 00	—	29.80	0.90		
20	Exp	30.18	2.74 + 1.14 = 3.88		
45 00	—	32.92			
20	Shd	32.80	1.38		
47 00	—	31.42			
20	Exp	31.96	2.34 + 1.45 = 3.79		
49 00	—	34.30			3.835
20	Shd	34.12	1.52		
2 51 00	—	32.60			

Hygrograph reads 37.8 at 2:52

2 53 20	Shd	30.92		air T = 75.0	
55 00	—	29.94	0.98		
20	Exp	30.42	2.72 + 1.145 = 3.865		
57 00	—	33.14			
20	Shd	32.95	1.31		
59 00	—	31.64			
20	Exp	32.09	2.33 + 1.415 = 3.745		
3 01 00	—	34.42			3.805
20	Shd	34.22	1.52		
3 03 00	—	32.70		air T = 74.0 F	

Hygrograph reads 39.5 at 3.05
Wet B = 7.9 C. Dry B = 18.3 C.

Thu June 13, 1913

Sky 1 Cu horz ☉ clear L.C.Obs.

Hygrograph reads at 12:44 = 48.0

12:46 20	Shd	17.77	-0.15	air T = 75.0 F
48 00	—	17.92		
48 20	Eff	18.60	3.88 ~~+0.27~~ +0.125 = 4.005	
50 00	—	22.48		
20	Shd	22.49	0.40	
52 00	—	22.09		
20	Eff	22.69	3.36 +0.60 = 3.96	
54 00	—	26.05	3.982	
20	Shd	26.00	0.80	
12 56 00	—	25.20		air T = 77.0 F

Hygrograph reads at 12:58 = 47.2

12 58 20	Shd	24.42	0.35	air T = 79.0 F
1 00 00	—	24.07		
20	Eff	24.68	3.32 +0.575 = 3.895	
02 00	—	28.00		
20	Shd	27.96	0.80	
04 00	—	27.16		
20	Eff	27.67	2.93 + 1.00 = 3.93	
06 00	—	30.60	3.912	
20	Shd	30.50	1.20	
1 08 00	—	29.30		air T = 78.5 F

Hygrograph reads 46.8 at 1:10.

Wet B = 9.1 Dry B = 19.3

Watch D = 3^m fast.

June 13, 1913

2:55 Too much haze & cld near Sun.

3 30 Too much haze & cld for further Obs.

C

Sat June 14, 1913

Sky 3 cirs thinly scatt. C.G.Ab.
⊙ in haze

11 43 20 Shd 16.62 -0.02 air T=61.5 A

windy 45 00 — 16.64

20 Eff 17.26 3.48+022=3.70

watch D 47 00 — 20.74

Used = 3rd pot 20 Shd 20.88 0.46

49 00 — 20.42

20 Eff 20.94 3.14+0.66=3.80

51 00 — 24.08 3.75

20 Shd 24.05 0.90

53 00 — 23.15 air T = 66.0 A

Hygrograph reads 47.5 at 11.55

11 56 20 Shd 21.92 0.49 air T=67.5 A T

58 00 — 21.43

20 Eff 22.00 3.18+0.71=3.89

12 00 00 — 25.18

20 Shd 25.17 0.93

02 00 — 24.24

20 Eff 24.70 2.76+1.095=3.855

04 00 — 27.46 3.872

20 Shd 27.38 1.26

12 06 00 — 26.12 air T = 70.0 A

Hygrograph reads 47.5 at 12.08

Wet B = 7.6 C

Dry B = 17.3 C

June 14, 1913

Sky 2 ciCes hazy near ⊙ f.C.Obs

3 07 20	Shd.	25.62	0.12	Air T = 77.5
09 00	—	25.50		
20	Exp	26.20		2.74+0.405 = $\overset{3}{\cancel{4}}$.145
11 00	—	28.94		
20	Shd	28.91	0.69	
13 00	—	28.22		
20	Exp	28.64		2.26+0.915 = $\overset{3}{\cancel{4}}$.175
15 00	—	30.90		3.160
20	Shd	30.78	1.14	
3 17 00	—	29.64		Air T = 74.0 F

Hygrograph reads 47.4 at 3:19

Wet B = 7.8 C
Dry B = 17.4 C

C

Sun June 15, 1913

Sky 1 Ci hor. ○ clear
Watch D used = 4m fast
~~Hygrograph = 55.0 at 8.52~~
8 54 20 Shd 14.94 −0.06 Air T = 60.0 F
56 00 — 15.00
20 Efg 15.68 3.35 + 0.21 = 3.56
58 00 — 19.03
20 Shd 19.04 0.48
9 00 00 — 18.56
20 Efg 19.06 2.96 + 0.69 = 3.65
02 00 — 22.02 3.605
20 Shd 21.94 0.90
9 04 00 — 21.04 Air T = 64.0 F
Hygrograph = 54.0 at 9.05
Wet B = 6.1 C; Dry B = 15.2 C

Hyg = 48.5 at 11.43 Sky 2 Cu hor. ○ clear HP Obs
11 46 20 Shad 16.$\overset{90}{87}$ −.20
48 00 — 17.10 Air T = 80.5
48 20 Efg 17.78 + 3.87 + .03 = 3.90 Watch C used
50 00 — 21.65 1m 17s fast of BTC =
50 20 Shad 21.70 .26 38C = 2m 30s ~~fast~~ slow
52 00 — 21.44 1m 13 slow.
∴ C = ~~3 47 fast~~
+0.515 3.89^5
52 20 Efg 22.00 3.38 ~~+.565 = 3.943~~
54 00 ~~Shad~~ 25.38
54 20 Shad 25.40 0.77 ~~.87~~ 3.89^8
56 00 — 24.63 ✓
Hyg = 48.0 at 11.58
W.B = 8.0 C, D.B = 18.6

Mon. June 16, 1913

Sky 2 Cu circ Scatt ☉ clear. LCObs

1:01:20 Shd 16.20 -0.30 air T = 19.0 C
03 00 — 16.50
20 Exp 17.19 3.~~7~~71 + 0.09 = 3.80
05 00 — 20.~~4~~90
20 Shd 20.90 0.48
07 00 — 20.42
20 Exp 21.00 3.22 + 0.73 = 3.93
09 00 — 24.22 3.865
20 Shd 24.16 0.98
1 11 00 — 23.18 air T = 25.0 C

Hygrograph = 57.5 at 1:13

~~Cs~~ W.D = 2 m fast.
Sky more haze, especially near the Sun.

1 1~~3~~5 20 Shd ~~22.44~~ 21.88 0.30 air T = 26.0 C
1~~5~~7 00 — 21.58
20 Exp 22.24 3.30 + 0.56 = 3.86
1~~7~~9 00 — 25.54
20 Shd 25.50 0.82
~~19~~21 00 — 24.68
20 Exp 25.21 2.89 + 0.985 = 3.875
2~~1~~3 00 — 28.10 3.868
20 Shd 27.97 1.15
2~~3~~5 00 — 26.82 air T = 26.0 C

Hygrograph reads 57.0 at 1.27
Wet B = 8.6 C. Dry B = 16.9 C.

June 16, 1913

Sky 2 Ci Cu's Cu Scattd

⊙ clear

3:25:20	Shd	22 46	air T = 20.5 C
27 00	—	22.44	0.02
20	Eff	23.01	3.02 + 0.345 = 3.365
29 00	I	26.03	
20	Shd	25.97	0.67
31 00	—	25.30	
20	Eff	25.62	2.38 + 0.875 = 3.255
33 00	II	28.00	3.31
20	Shd	27.88	1.08
35 00	—	26.80	air T = 21.0 C

Hygrograph reads 63.0 of 33/

Wet B = 9.0 C

Dry B = 15.2 C.

Tues June 17, 1913

Sky & Cirrus Scatt   P.C. Obs.
○ clear but hazy nearby

11:41:20 Shd 16.12 -0.14 air T=20.5 C
43:00 — 16.26
20 Exp 17.06 3.90 +0.13 = 4.03
45 00 — 20.96
20 Shd 20.96 0.40
47 00 — 20.56
20 Exp 21.21 3.57
49 00 — 24.78 +0.60 = 4.17
20 Shd 24.74 0.80 4.10
11 51 00 — 23.94 air T=25.0 C.
Hygrograph reads 43.0 at 11:53
C's Watch $2^m\ 30^s$ fast

11 53 20 Shd 23.19 air T=25.0 C
55 00 — 22.87 0.32
20 Exp 23.48 3.50 +0.54 = 4.04
57 00 — 26.98
20 Shd 26.96 0.76
59 00 — 26. ~~5~~20
20 Exp 26.84 3.14 +0.97 = 4.11
01 00 — 29.98 4.075
20 Shd 29.88 1.18
12 03 00 — 28.70 air T=25.5 C
Hygrograph reads 43.2 at 12:05
Wet B = 8.2 C.
Dry B = 19.1 C.

June 17, 1913

LBAldr

Sky clear

Water D = ~~exact~~ 2.40 feet

3:32	20	Sbd	19.10	Air T = 20.0 C
34	00	—	19.08	0.02
	20	Exp	19.58	3.02 + 0305 = 3.325
36	00		22.60	0.59
	20	Sbd	22.59	
38	00	—	22.00	
	20	Exp	22.47	2.63 + 0.765 = 3.395
40	00		25.10	3.360
	20	Sbd	24.98	0.94
3 42	00	—	24.04	Air T = 22.5 C

Hygrograph reads 50.8 at 3.44

Wet B = 8.4 C.

Dry B = 16.7 C.

Wed. June 18, 1913

Sky 0
L.C. Obs

11,42,20 Shd 16.90 -0.08 air T = 21.0 C
44 00 — 16.98
20 Exp 17.94 3.90+0.20 = 4.10
46 00 — 21.84
20 Shd 21.82 0.48
48 00 — 21.34
20 Exp 21.92 3.47 +0.66 = 4.13
50 00 — 25.39 4.115
20 Shd 25.34 0.84
11 52 00 — 24.50 air T = 28.0 C
Hygrograph reads 41.5 at 11:55
Wet B = 8.4 C.
Dry B = 20.3 C.

3 31 20 Shd 18.18 air T = 21.5 C
33 00 — 18.26 -0.08
20 Exp 18.90 332+0.18 = 3.50
35 00 — 22.22 ~~+3~~
20 Shd 22.24 0.44
37 00 — 21.80
20 Exp 22.30 2.91+0.645 = ~~4~~ 3.555
39 00 — 25.21 3.528
20 Shd 25.16 0.85
41 00 — 24.31 air T = 23.5 C
Sky 0 Hygrograph = 45.0 at 3:43
Wet B = 7.6 C. Dry B = 18.3 C.
Watch ~~D~~ = 4 min in fast

Thurs June 19, 1913

Sky 0 windy P.C.Abz

Watch D correct

12:26:20 Shd 17.00 air T = 23.0 C

28 00 — 17.12 -0.12

20 Eclf 17.80 3.92 + 0.145 = 4.065

30 00 — 21.72 0.41

20 Shd 21.79

32 00 — 21.38

20 Eclf 21.98 3.46 + 0.65 = 4.110

34 00 — 25.44 4.088

20 Shd 25.39 0.89

12 36 00 — 24.50 air T = 25.0 C

Hygrograph reads 39.0 at 12:38

Wet B = 8.4 C.

Dry B = 19.4 C

3 ~~28~~ 20 Shd 18.38 air T = 20.0 C

Sky Clear 30 00 — 18.39 -0.01

20 Eclf 19.02 3.26 + 0.24 = 3.50

32 00 — 22.28 0.49

20 Shd 22.29

34 00 — 21.80

20 Eclf 22.30 2.78 + 0.675 = 3.455

36 00 — 25.08 0.86 3.478

20 Shd 24.98

3 38 00 — 24.12 air T = 22.8 C.

Hygrograph reads ~~at~~ 46.4 at 3:40

Wet B = ~~7~~8.4 C.

Dry B = 17.6 C.

Tues June 24, 1913

C's Watch = 22s slow. L. C. Obs

Sky 0 Somewhat hazy.

	11	50	20	Shd	16.64	Air T = 19.0 C
		52	00	—	16.82	−0.18
			20	Eff	17.49	4.19 + 0.185 = 4.375
		54	00	—	21.68	
			20	Shd	21.88	0.55
		56	00	—	21.33	
			20	Eff	21.96	3.68 + 0.695 = 4.375
		58	00	—	23.64	4.375
			20	Shd	25.54	0.84
	12	00	00	—	24.70	Air T = 25.5 C

Hygrograph = 430 at 12:02

Wet B = 6.8 C.

Dry B = 19.8 C.

Sky 0 Quite free from haze

	3	35	20	Shd	18.58	−0.24 Air T = 20.5 C
		37	00	—	18.82	
			20	Eff	19.40	3.44 + 0.15 = 3.590
		39	00	—	22.84	
			20	Shd	22.84	0.54
		41	00	—	22.30	
			20	Eff	22.84	2.88 + 0.70 = 3.58
		43	00	—	25.72	3.585
Wet B = 8.0 C			20	Shd	25.68	0.86
Dry B = 18.4 C		45	00	—	24.82	Air T = 23.5 C

Hygrograph reads 478 at 3.47

Wed June 25, 1913

Sky 0 C G Ab

~~Cs~~ Watch D = 25s fast

11	43 20	Shd	16.32		air T = 16.5 C
	45 00	—	16.48	−0.16	
	20	Eff	17.16	4.12 +0.17 = 4.29	
	47 00	—	21.28		
	20	Shd	21.41	+0.50	
	49 00	—	20.91		
	20	Eff	21.48	3.64 +0.69 = 4.33	
	51 00	—	25.12		
	20	Shd	25.02	0.88	4.31
	53 00	—	24.14		air T = 23.5

Hygrograph reads 33.0 at 11:55

Wet B = 6.2 C.

Dry B = 19.1 C.

Wed June 25/13 CGA Obser.

Sky 0 Watch C. = 33.5 fast.

Experimented see next page

2. 35. 20	Shd.	19.70.	Air T = 25.8
37 00	—	19.77	— .07
37. 20	Exp	20.32.	2.18 +
39.00	—	22.50	
39.20	Shd	22.66	0.26
41.00	—	22.40	
41.20	Exp	22 88	2.34 + 0.52 = 2.86
43 00	—	25.22	
43.20	Shd	26.58	0.78
45.00	—	25.80	

Hygrograph = 41.0 at 2.30

Wet B = 7.0
Dry B = 17.5

Wed June 25/13

Obs. Cw

Sky 0 Watch C = 33.5 fast

Air ther 23.8

3 47·20	Shd	27.22 = +0.69	
3 49·00	—	26 53	
3 49 20	Exp	26 80 = 2.38 +0.855	
3 51 0	—	29·18	3.235
3 51 20	Shd	29·20	
3.53 0	—	28·18 = 1·02	
3 53 20	Exp	28·60	
3 55 0	—	30·60	2 00 + 0.96 =
3 55 20	Shd	30·48	2.96
3 57 0	—	29 58 = ·90	3.098
~~3 57 20~~			

Air therm 22.0

Hygrograph = 43.0

Thurs June 26, 1913

Sky ☉ clear F.C.Wk.

Watch D = 50 s. slow.

11 37 20 Shd 16.30 Air T=18.0 C
39 00 ——— 16.40 -0.10
20 Exp 17.04
41 00 ——— 21.08 4.04+0.20 =4.24
20 Shd 21.09
43 00 ——— 20.59 0.50
20 Exp 21.24 3.54 + 0.71 =4.25
45 00 ——— 24.78
20 Shd 24.73 0.92 4.245
11 47 00 ——— 23.81 Air T=23.2 C.

Hygrograph reads 35.5 at 11:49

Wet B. = 6.5 C. Dry B = 18.1 C.

3 40 20 Shd 26.88 -0.09 Air T=25.5 C
42 00 ——— 26.79
20 Exp 27.42 3.06 +0.265 = 3.325
44 00 ——— 30.48
20 Shd 30.42 0.62
46 00 ——— 29.80
20 Exp 30.08 . 2.48 + 0.91 =3.39
48 00 ——— 32.56 3.368 5
20 Shd 32.46 1.20
3 50 00 ——— 31.26 Air T= 24.5 C

Hygrograph reads 38.5 at 3:52

Wet B = 7.1 = C. Dry B = 17.0 = C.

Sky clear.

Fri June 27. 1913

Sky clear

L.C. Obs.

~~7 30 20 Shd 14.00~~ Air T = 7.5 C
~~32 00 — 14.02 0.02~~
~~20 Exp 17.72~~
~~34 00 — 17.72~~ Reject
~~20 Shd~~
~~36 00 —~~
~~20 Exp~~
~~38 00 —~~
~~20 Shd~~
~~7 40 00 —~~

~~Hygrograph reads at 7 42~~

7 35 20 Shd 17.68 0.54 Air T = 7.8 C
37 00 — 17.14
20 Exp 17.32 2.63 + 0.73 = 3.36
39 00 — 19.95
20 Shd 19.90 0.92
41 00 — 18.98
20 Exp 19.33 2.45 + 1.10 = 3.55
43 00 — 21.78
20 Shd 21.76 1.28
45 00 — 20.48 Air T = 10.0 C

3455

Very windy & dusty

Hygrograph reads 36.8 at 7.47
Wet B = 2.7 C
Dry B = 11.5 C.

June 27, 1913.

Less windy now

7	50	20	Shd	17.78	0.55		Air T = 120 C
	52	00	—	17.23			
		20	Exp	17.72	2.78	+0.745	= 3.5^{25}
	54	00		20.50			
		20	Shd	20.40	0.94		
	56	00	—	19.46			
		20	Exp	19.88	2.54	+ 1.12	= 3.660
	58	00	—	22.42			
		20	Shd	22.40	1.30		3.59^{2}
8	00	00	—	21.10			Air 13.8 C

Hygrograph reads 38.0 at 8:02.

watch D = 1^{m} 52^{s} slow at 8.10.

Sky ci's thr hazy

11	34	20	Shd	15.67	−0.06		Air T = 18.0 C
	36	00	—	15.73			
		20	Exp	16.48	3.94	+0.235	= 4.1^{75}
	38	00	—	20.42			
		20	Shd	20.45	0.53		
	40	00	—	19.92			
		20	Exp	20.57	3.45	+0.755	= 4.205
	42	00	—	24.02			419
		20	Shd	23.98	098		
11.	44	00	—	23.00			Air T = 22.5 C

Hygrograph reads 42.2 at 11:46

Wet B = 6.9 C. Dry B = 17.4 C.

Sat June 28, 1913

LC Obs

Sky 2 Ci Cis
Some haze near Sun
11 38 20 Shd ~~[illegible]~~ 18.24 Air T=17.5C
~~38~~ 40 00 — 18.24 0.00
20 Eff 18.90 3.66 + 0.33 = 3.99
42 00 — 22.56
20 Shd 22.54 0.66
44 00 — 21.88
20 Eff 22.46 3.20 + 0.82 = 4.02
46 00 — 25.66 4.005
20 Shd 25.52 0.98
11 48 00 — 24.54 Air T=22.2C
Hygrograph reads 36.5 at 11.50
Wet B 6.4C.
Dry B 18.8C.

In the early a.m. much haze & smoke arising from the active volcano Ubinas filled the ~~north east~~ & eastern sky, enshrouding Pichu-Pichu in haze & partly covering El Misti & Chachani. LC

Watch Δ = 1m 30s slow

June 28, 1913
Sky 2 Ci Cis horz.
Haze near Sun.

3	40	20	Shd	18.09		Air T = 18.0 C
	42	00	"	18.15	-0.06	
		20	Eff	18.68	3.24 + 0.20	= 3.44
	44	00	—	21.92		
		20	Shd	21.94	0.46	
	46	00	—	21.48		
		20	Eff	21.98	2.76 + 0.67	= 3.43
	48	00	—	24.74		3.435
		20	Shd	24.68	0.88	
	50	00	—	23.80		Air T = 23.0 C.

Hygrograph reads 40.0 at 3:52

Wet B. = 7.0 C. Dry B. = 17.3 C.

Thes July 1, 1913

~~Sky gen clear but hazy near Sun~~
Sky 2 Ca Ci S^r unit.
hazy near Sun

7 31	20	Shd	14.81	Air T = 56.5 HT	
33	00	—	14.82	-0.01	
	20	Exp	15.30	2.68	+0.24 = 2.92
35	00	—	17.98		
	20	Shd	17.96	0.49	
37	00	—	17.47		
	20	Exp	17.85	2.33	+ 0.625 = 2.955
39	00	—	20.18		2.938
	20	Shd	20.10	0.76	
7 41	00	—	19.34	Air T = 56.0 F	

Hygrograph reads 39.8 at 7.42

Sky 3 ci cis Scatt. ⊙ clear

11 48	20	Shd	16.64	Air T = 68.0 HT	
50	00	—	16.80	-0.16	
	20	Exp	17.48		
52	00	—	21.30	3.82	+0.17 = 3.99
	20	Shd	21.38		
54	00	—	20.88	0.50	
	20	Exp	21.49	3.35	+0.68 = 4.03
56	00	—	24.84		4.01
	20	Shd	24.72	0.86	
11 58	00	—	23.86	Air T = 69.0 HT	

Hygrograph reads 40.5 at 12.00
Wet B. 6.7 C.
Dry B. 13.0 C.
Watch D = 3 min. slow.

Wed. July 2, 1913

L.C.Ale

Sky / Cirrus
☉ clear

11	40	20	Shd	16.70	−0.10	Air T = 18.0 C
	42	00	—	16.80		
		20	Exp	17.48	3.94 + 0.16	= 4.10
	44	00	—	21.42		
		20	Shd	21.38	0.42	
	46	00	—	20.96		
		20	Exp	21.48	3.50 + 0.65	= 4.15
	48	00	—	24.98		4.125
		20	Shd	24.82	0.88	
11	50	00	—	23.94		Air T = 19.0 C

Hygrograph reads 38.5 at 11:52
Wet B = 7.4 C.
Dry B = 19.8 C.

Watch Δ = 20s fast.

July 2, 1913

Sky 2 Ci Cs West.
Hazy near Sun

3 44 20	Shd	18.40	-0.02		Air T = 18.5 C
46 00	—	18 42			
20	Eff	19.00	288	+0.20	= 3.08
48 00	—	21.88			
20	Shd	21.90	0.42		
50 00	—	21.48			
20	Eff	21.90	2 50	+0.56	= 3.06
52 00	—	24.40			3.07
20	Shd	24.30	0.10		
3 54 00	—	23.60			Air T = 20.5 C.

Hygrograph reads 40.8 at 3:56
Wet B. 7.0 C.
Dry B. 19.0 C.

Thurs July 3, 1913

Sky 1 Cirris on horiz
windy
P.C. Obs.

12	36	20	Shd	17.34	-0.02	Air T=24.0 C.
	38	00	—	17.36		
		20	Exp	18.06	3.62	+0.205 = 3.825
	40	00	—	21.68		
		20	Shd	21.67	0.43	
	42	00	—	21.24		
		20	Exp	21.78	3.22	+0.625 = 3.845
	44	00	—	25.00		3.835
		20	Shd	24.92	0.82	
12	46	00	—	24.10		Air T=28.0 C

Mean T = 26.0 C

Hygrograph reads 41.8 at 12:48
Wet B. 8.0 C. ~~F~~ Dry B. 15.0 C.

Watch D 30s fast.

Mon July 7, 1913

Sky o PCAbs

12 52 20	Shd	1666		Air T = 21.0 C
54 00	——	16.76	-0.10	
20	Exp	17.50		
56 00	——	21.38	3.88	+0.18 = 4.06
20	Shd	21.38	0.46	
58 00	——	20.92		
20	Exp	21.12	3.46	+0.60 = 4.06
1 00 00	——	24.58		4.06
20	Shd	24.50	0.74	
02 00	——	23.76		Air T = 24.0 C

Hygrograph reads 37.5, at 1.04

Wet B = 17 C.
Dry B = 20.0 C.

Sky o LCAbs. Air T = 22.0 C

3 52 20	Shd	18.54	-0.07	
54 00	——	18.61		
20	Exp	19.27	3.15	+0.175 = 3.325
56 00	——	2~~8~~2.42		
20	Shd	22.40	0.42	
58 00	——	21.98		
20	Exp	22.47	2.60	+0.59 = 3.19
00 00	——	25.07		3.258
20	Shd	24.98	0.76	
4 02 00	——	24.22		Air T = 25.0 C

Hygrograph = 40.5 at 4.04
Wet B = ~~40.5~~ 66 C. Dry B = 18.4 C.

Tues. July 8, 1913

Sky 0 LC Ab

12	41	20	Shd	16.88		Air T = 27.0 C
	43	00	—	17.00	- 0.12	
		20	Eff	17.77	3.85 + 015 = 4.00	
	45	00	—	21.62		
		20	Shd	21.70	0.42	
	47	00	—	21.28		
		20	Eff	21.84	3.48 + 060 = 4.08	
	49	00	—	25.32		4.04
		20	Shd	25.28	0.78	
12	51	00	—	24.50		Air T = 25.5 C

Hygrograph reads 36.2 at 12:53
Wet B = 5.8 C. ; Dry B. 19.0 = C.

3	24	20	Shd	18.20	-0.02	Air T = 20.0 C
	26	00	—	18.22		
		20	Eff	18.88	3.42 + 024 = 3.66	
	28	00	—	22.30		
		20	Shd	22.30	0.50	
	30	00	—	21.80	≠	
	31	20	Eff	22.32	2.90 + 066 = 3.56	
	32	00	—	25.22		3.61
		20	Shd	25.10	0.82	
3	34	00	—	24.28		Air T = 26.0 C.

Hygrograph reads 42.5 at 3 36

Sun July 13, 1913

Sky 0 L.B.Ald

12 48 20 Shd 17.20 Air T = 23.0C
50 00 — 17.31 -0.11
20 Exp 17.98 3.82 + 0.195 = 4.015
52 00 — 21.80
20 Shd 21.84 0.50
54 00 — 21.34
20 Exp 21.90 3.38 + 0.67 = 4.05
56 00 — 25.28 4.032
20 Shd 25.22 0.84
12 58 00 — 24.38 Air T = 25.0C

Hygrograph = 39.5 at 1.00

Wet B = 6.3 C Dry B = 19.4 C,

Sky 1 Cu east horz.

4 09 20 Shd 18.93 -0.34 Air T = 21.0 C.
11 00 — 19.27
20 Exp 19.74 2.76 + 0.07 = 2.83
13 00 — 22.50
20 Shd 22.49 0.48
15 00 — 22.01
20 Exp 22.46 2.32 + 0.63 = ~~23.0C~~ 2.95
17 00 — 24.78 2.89
20 Shd 24.72 0.78
4 19 00 23.94 Air T = 23.0 C.
mean T = 22.0 C

Hygrograph = 39.5 at 4.20

Mon. July 14, 1913

Sky 0 LCObs

12	42	20	Shd	17.60		Air T = 21.0 C.
	44	00	—	17.58	+0.02	
		20	Eff	18.42		
	46	00	—	22.28	3.86 + 0.23	= 4.09
		20	Shd	22.32		
	48	00	—	21.88	0.44	
		20	Eff	22.50	3.42 + 0.61	= 4.03
	50	00	—	25.92		4.06
		20	Shd	25.86	0.78	
12	52	00	—	25.08	Air T = 26.5 C.	

Hygrograph reads 35.5 at 12:54
Wet B = 7.4C. Dry B = 21.1C.

3	26	20	Shd	19.39	Air T = 22.0 C	
	28	00	—	19.46	−0.07	
		20	Eff	20.08	3.34 + 0.205 = 3.545	
	30	00	—	23.42		
		20	Shd	23.46	0.48	
	32	00	—	22.98		
		20	Eff	23.53	2.84 + 0.64	= 3.48
	34	00	—	26.37		3.512
		20	Shd	26.32	0.80	
3	36	00	—	25.52	Air T = 26.0 C	

Sky 0 Hygrograph = 37.0 at 3 38.

Tuesday July 15th 1913

Sky hazy   Watch D =   N P Obs

12 48 20	Shad	20.08		Air T = 28.0 C
50 00	—	20.40	-32	
50 20	Exp	21.10		
52 00	—	24.93	3.83 + 21 = 4.04	
52 20	Shad	25.02		
54 00	—	24.28	0.74	
54 20	Exp	25.30		
56 00	—	28.62	3.27 + ~~.432~~ 71 = 3.98	4.01
56 20	Shad	28.65		
58 00	—	27.97	68	

Hygrograph = 35.0 at 1.05   Air Temp = 24.5 C

W. B = 6.8 C   D. B = 21.2 C

3 39 20	Shd	19.70		P. Obs.
41 00	—	19.73	-0.03	air T = 22.5 C
20	Exp	19.80	2.51 + 0.075 = 2.585	
43 00	—	22.31		
20	Shd	22.36	0.18	
45 00	—	22.18		
20	Exp	22.58	2.22 + 0.39 = 2.61	
47 00	—	24.80		2.598
20	Shd	24.74	0.60	
3 49 00	—	24.14		air T = 23.0 C

Sky Cu Cl NE hor'z Hazy near Sun.

Hygrograph = 39.5 at 3:50

Thurs July 17, 1913

Sky ~~0~~ 1 Ci horz — L.C. Obs
Watch D = 1m slow.

8 23 20 Shd 16.67 Air T = 17.5 C
25 00 — 16.69 −0.02
20 Exp 17.22 3.18 +0.24 = 3.42
27 00 — 20.40
20 Shd 20.40 0.50
29 00 — 19.90
20 Exp 20.30 2.71 +0.68 = 3.39
31 00 — 23.01 3.405
20 Shd 22.94 0.86
8 33 00 — 22.08 Air T = 18.5 C.
18.0
Hygrograph = 41.0 at 8:35
Wet B = 5.5 C.
Dry B = 16.9 C.

12 30 20 Shd 18.20 Air T = 20.5 C
32 00 — 18.28 −0.08
Sky 0 — 20 Exp 18.88 ~~+~~ 3.74 +0.21 = 3.95
34 00 — 22.62
20 Shd 22.65 +0.50
36 00 — 22.15
20 Exp 22.70 3.24 +0.72 = 3.96
38 00 — 25.94 3.955
20 Shd 25.88 +0.94
12 40 00 — 24.94 Air T = 23.5 C
22.0
Hygrograph = 41.5 at 12:42

July 17, 1913

Sky 0 L.C.Ab

3	33 20	Shd	$\overset{20}{\cancel{19}}.29$	Air T=20.5C
	35 00	—	20.30	-0.01
	20	Eff	20.88	2.69+0.265=2.955
	37 00	—	23.57	
	20	Shd	23.66	0.54
	39 00	—	23.12	
	20	Eff	23.53	2.33+0.63 = 2.96
	41 00	—	25.86	2.958
	20	Shd	25.72	0.72
3	43 00	—	25.00	Air T=23.2C

Hygrograph = 43.0 at 3.45

Sky 0 Fri July 18, 1913 L.C.Obs.

12 46 20	Shd	18.16		Air T = 24.0 C
48 00	—	18.28	−0.12	
20	Exp	19.00	3.92 + 0.20	= 4.12
50 00	—	22.92		
20	Shd	22.94	0.54	
52 00	—	22.40		
20	Exp	22.78	3.50 + 0.67	= 4.17
54 00	—	26.28		4.145
20	Shd	26.27	0.80	
12 56 00	—	25.47		Air T = 30.5 C

Hygrograph reads 38.5 at 12.58
Wet B ~~76~~ = 7.6C. Dry B = 20.6C.

Sky 0

3 51 20	Shd	19.37		Air T = 20.5 C
53 00	—	19.40	− 0.03	
20	Exp	~~19~~ 19.46	3.00 + 0.19	= 3.19
55 00	—	22.48		
20	Shd	22.49	0.41	
57 00	—	22.08		
20	Exp	22.55	2.60 + 0595	= 3195
59 00	—	25.15		3.192
20	Shd	25.07	0.78	
4 01 00	—	24.29		Air T = 23.0 C.

Hygrograph = 44.5 at 4:03.

Sat July 19, 1913 AOObs

Sky ⊖ 1 Ci Cis E. horz.

8 24 20 Shd 16.33 Air T = 17.0 C
26 00 — 16.36 - 0.03
20 Exp 16.70 3.50 + 0.215 = 3.715
28 00 — 20.20
20 Shd 20.21 0.46
30 00 — 1975
20 Exp 20.30 2.98 + 0.67 = 3.650
32 00 — 23.28 3.682
20 Shd 23.30 0.88
8 34 00 — 22.42 Air T = 19.2 C

Hygrograph = 41.5 at 8.36
~~Wet B = C. Dry B. C C~~
Mean Air T = 18.1 C

8 34 20 Shd 22.15 Air T = 19.5 C
36 00 — 21.65 0.50
20 Exp 22.15 2.90 + 0.73 = 3630
38 00 — 25.05
20 Sbd 24.92 0.96
~~Sky ⊖~~
40 00 — 23.96
Sky 1 Ci Cis E. horz.
20 Exp 24.42 2.62 + 1.13 = 3.75
42 00 — 27.04 3.69
20 Shd 26.92 1.30
8 44 00 — 25.62 Air T = 21.0 C
Mean Air T = 20.2 C

Hygrograph = 41.5 at 8:46

Wet B = 6.7 C. Dry B. 16.9 = C

July 19, 1913

L.C.Ab.

Sky 1 Ci Cis hazy

Windy

11	26	20	Shd	17.~~20~~ 90	Air T = 20.5 C
	~~26~~ 28	00	—	~~17.86~~ 18.11	− 0.21
	30	20	Exp	18.79	3.97 + 0.065 = 4.035
	~~28~~	00	—	22.76	
	32	20	Shd	22.78	0.34
	~~30~~	00	—	22.44	
	4	20	Exp	22.60	3.40 + 0.72 = 4.12
	3~~2~~	00	—	26.60	4.08
	6	20	Shd	25.92	0.88
11	3~~4~~	00	—	25.04	Air T = 28.0 C

Mean T = 24.2 C

Hygrograph = 37.5 at 11:36

Sun July 20, 1913
H.C. Obs.

Sky = Ci Cu East & S. hory.
☉ clear

8 37 20 Shd 16.82 −0.04 air T = 17.5 C
39 00 — 16.86
20 Exp 17.42 3.20 + 0.205 = 3.405
41 00 — 20.62
20 Shd 20.56 0.45
43 00 — 20.11
20 Exp 20.61 2.88 + 0.635 = 3.515
45 00 — 23.49 3.46
20 Shd 23.40 0.82
8 47 00 — 22.58 air T = 18.7 C.

Hygrograph = 49.0 at 8.49.

Wet B = 5.8 C.
Dry B = 17.0 C.

12 00 Too cloudy to get a later set.

C

Tues. July 22, 1913

Sky / Ci Cu Scatt.

12 53 20 Shd 17.87 } Air T = 24.5 C
55 00 —— 17.97 } −0.10
20 Eff 18.72
57 00 —— 22.52 3.80 +0.20 = 4.00
20 Shd 22.56
59 00 —— 22.06 0.50
20 Eff 22.72 3.28 +0.65 = 3.93
01 00 —— 26.00 3.965
20 Shd 25.88 0.80
1 03 00 —— 25.08 Air T = 25.5 C

Hygrograph reads 48.0 at 1:05

Wet B = 8.4 C
Dry B = 19.6 C.

Sky clear

3 42 20 Shd 19.55 Air T = 21.0 C
44 00 —— 19.70 −0.15
20 Eff 20.30 3.12 +0.14 = 3.260
46 00 —— 23.42
20 Shd 23.46 0.43
48 00 —— 23.03
20 Eff 23.54 2.51 +0.565 = 3.075
50 00 —— 26.08 3.168
20 Shd 26.02 0.70
3 52 00 —— 25.32 Air T = 24.5 C

Hygrograph = 47.5 at 3:54

Fri July 25, 1913 H.C. Obs.

Sky 1 Cu Stony.

12 37 20 Shd 16.98 Air T = 22.0 C

39 00 — 17.08 -0.10

20 Exp 17.80 3.80 + 0.16 = 3.96

41 00 — 21.60

20 Shd 21.59 0.42

43 00 — 21.17

20 Exp 21.80 3.32 + 0.65 = 3.97

45 00 — 25.12 3.965

20 Shd 25.08 0.88

12 47 00 — 24.20 Air T = 22.5 C.

Hygrograph reads 48.0 at 12:50

Wet B = 6.2 C.

Dry B = 17.3 C.

Sky 1 Cu Cir

3 40 20 Shd 18.08 Air T = 22.5 C

42 00 — 18.14 -0.06

20 Exp 18.80 3.04 + 0.21 = 3.25

44 00 — 21.84

20 Shd 21.90 0.48

46 00 — 21.42

20 Exp 21.93 2.70 + 0.68 = 3.38

48 00 — 24.63 3.315

20 Shd 24.56 0.88

3 50 00 — 23.68 Air T = 21.5 C

Hygrograph = 49.0 at 3:52

Sat July 26, 1913

Sky 1. Cu horiz L C Ob

Watch =

12	26	20	Shd	17.20	Air T = 20.5 C		
	28	00	—	17.30	-0.10		
		20	Exp	17.90	3.81	+018	= 3.99
	30	00	—	21.71			
		20	Shd	21.74	0.46		
	32	00	—	21.28			
		20	Exp	21.80	3.38	+066	= 4.04
	34	00	—	25.18			= 4.015
		20	Shd	25.16	086		
12	36	00	—	24.30	Air T = 25.2 C		

wet B = 7.4C

Hygrograph = 42.5 at 12:38 Dry B = 20.1C.

3	31	20	Shd	18.41	Air T = 20.0 C.		
	33	00	—	18.44	-0.03		
		20	Exp	19.07	3.15	+0205	= 3.355
	35	00	—	22.22			
		20	Shd	22.28	0.44		
	37	00	—	21.84			
		20	Exp	22.33	2.78	+0.63	= 3.41
	39	00	—	25.71			3.382
		20	Shd	25.04	0.82		
3	41	00	—	24.22	Air T = 23.5 C		

mean Air T = 22.0 C

Hygrograph = 46.5 at 3:43

Sun July 27, 1913

Sky 1 Cu hor. ☉ clear

01 01 20 Shd 17.73: Air T = 21.0 C
03 00 — 17.87 -0.14
20 Eff 18.50 3.84 +0165 = 4005
05 00 — 22.34
20 Shd 22.39 0.47
07 00 — 21.92
20 Eff 22.48 3.42 +0675 = 4.095
405
09 00 — 25.90
20 Shd 25.85 0.88
01 11 00 — 24.97 Air T = 26.6 C.
Hygrograph = 47.8 at 1:13
Wet B = 8.0 C. Dry B = 19.9C.

3 30 Too much cloud to obtain the later set.

Tues July 29, 1913

Sky 0 L.C. Obr

1 05 20 Shd 17.80 air T = 22.5 C
07 00 — 17.84 -0.04
07 20 Exp 18.60 3.90 +0.25 = 4.15
09 00 — 22.50
20 Shd 22.46 0.54
11 00 — 21.92
20 Exp 22.50 3.39 +0.78 = 4.17
13 00 — 25.89 4.16
20 Shd 25.83 1.02
1 15 00 — 24.81 air T = 25.0 C
Hygrograph reads 44.0 at 1:17
Wet B = 7.7 C. Dry B = 19.4 C.

3 30 20 Shd 19.10 air T = 21.0 C
32 00 — 19.20 -0.10
20 Exp 20.00 3.22 +0.24 = 3.46
34 00 — 23 22
20 Shd 23 28 0.58
36 00 — 22.70
20 Exp 23 12 2.85 +0.76 = 3.61
38 00 — 25.97 3.535
20 Shd 25.88 0.94
3 40 00 — 24.94 air T = 23.6 C.
Hygrograph reads 44.2 at 3.42

Sky clear

July 29, 1913.

3	41	20	Shd	24.32	Air T = 234 C
	43	00		23.72	0.60
		20	Exp	24.17	2.69 + 0.81 = 3.50
	45	00		26.86	
		20	Shd	26.82	1.02
	47	00		25.80	
		20	Exp	26.06	2.40 + 1.11 = 3.51
	49	00		28.46	3.505
		20	Shd	28.34	1.20
3	51	00		27.14	Air T = 220 C

Hygrograph read 4:50 at 3.53

Sky Clear

Wed July 30, 1913

Sky clear.

12 33 20	Shd	17.38		air T = 20.5 C
35 00	—	17.41	−0.03	
20	Exp	18.18	3.80 + 0.275 = 4.075	
37 00	—	21.98		
20	Shd	21.99	0.58	
39 00	—	21.41		
20	Exp	22.11	3.43 + 0.76 = 4.19	
41 00	—	25.54		= 4.132
20	Shd	25.42	0.94	
12 43 00	—	24.48		air T = 25.0 C.

Hygrograph = 44.8 at 12.45.

Wet B = 7.3 C. Dry B = 19.5 C.

3 41 20	Shd	18.80		air T = 19.6
43 00	—	18.90	−0.10	
20	Exp	19.58	3.24 + 0.15 = 3.39	
45 00	—	22.82		
20	Shd	22.80	0.40	
47 00	—	22.40		
20	Exp	22.88	2.76 + 0.65 = 3.41	
49 00	—	25.64		3.40
20	Shd	25.57	0.90	
3 51 00	—	24.67		Air T = 23.0 C

Hygrograph = 46.5 at 3.53

Thur. July 31, 1913.

Shy 1 Cu hoz

12 56 20 Shd 17.18 Air T = 20.5 C
58 00 — 17.26 − 0.08
20 Eff 18.00 3.82 +0.19 = 4.01
1 00 00 21.82
20 Shd 21.83 0.46
02 00 — 21.37
20 Eff 21.98 3.24 +0.67 = 3.91
04 00 25.22 3.96
20 Shd 25.28 0.88
06 00 — 24.40 Air T = 24.0 C.

Hygrograph = 45.0 at 1:08.
Wet B = 6.4 C.
Dry B = 17.6 C.

Shy 1 Cu hoz

3 32 20 Shd 18.62 − 0.08 Air T = 22.0 C
34 00 — 18.70
20 Eff 19.33 3.35 + 0.15 = 3.50
36 00 22.68
20 Shd 22.54 0.38
38 00 — 22.16
20 Eff 22.53 2.89 + 0.58 = 3.47
40 00 25.42 3.485
20 Shd 25.30 0.78
3 42 00 — 24.52 Air T = 20.0 C.

Hygrograph = 44.0 at 3:45

~~Wet B = C~~
~~Dry B = C.~~

Mon. Aug. 4. 1913

Sky 0. L.C.Ab.

12	58	20	Shd	16.72	Air T = 20.5 C	
1	00	00	—	16.82	-0.10	
		20	Eff	17.62	4.06 +023	= 4.29
	02	00	—	21.68		
		20	Shd	21.74	0.56	
	04	00	—	21.18		
		20	Eff	21.88	3.42	+077 = 4.19
	06	00	—	25.30		4.24
		20	Shd	26.00	0.98	
1	08	00	—	25.02	Air T = 25.5 C.	

Hygrograph = 39.0 at 1:10
Wet B = 7.2 C. Dry B = 18.6 C.

3	36	20	Shd	18.41	Air T = 20.5 C	
	38	00	—	18.49	-0.08	
		20	Eff	19.19	3.22 + 0.21	= 3.43
	40	00	—	22.41		
		20	Shd	22.41	0.50	
	42	00	—	21.91		
		20	Eff	22.40	2.82 +0.65	= 3.47
	44	00	—	25.22		3.45
		20	Shd	25.11	0.80	
3	46	00	—	24.31	Air T = 23.5C.	

Sky Clear

Hygrograph = 45.5 at 3.48 C ✓

Tues. Aug 5, 1913

Sky 2 cirus thinly scattd. L.C. Abs.

12	46	20	Shd	16.58	Air T = 20.2 C
	48	00	—	16.62	-0.04
		20	Exp	17.28	4.14 + 0.20 = 4.34
	50	00	—	21.42	
		20	Shd	21.42	0.44
	52	00	—	20.98	
		20	Exp	21.61	3.62 + 0.65 = 4.27
	54	00	—	25.23	4.305
		20	Shd	25.19	0.86
12	56	00	—	24.33	Air T = 26.5 C

Hygrograph = 39.5 at 1:00
Wet B = 7.0 C,
Dry B = 19.5 C.

Sky clear
1 cirus scatt.

4	12	20	Shd	18.47	Air T = 20.0 C
	14	00	—	18.50	-0.03
		20	Exp	19.04	2.98 + 0.19 = 3.17
	16	00	—	22.02	
		20	Shd	22.03	0.41
	18	00	—	21.62	
		20	Exp	22.10	2.64 + 0.605 = 3.245
	20	00	—	24.74	3.208
		20	Shd	24.72	0.80
4	22	00	—	23.92	Air T = 23.0 C

Hygrograph = 44.0 at 4:25

Wed. Aug. 6, 1913.

L.C.A.

Sky clear.

12 56 20 Shd 16.50 Air T = 21.5 C
57 00 — 16.50 0.00
20 Exp 17.34 3.92 + 0.20 = 4.12
1 00 00 — 21.26
20 Shd 21.29 0.40
02 00 — 20.89
20 Exp 21.50 3.42 +0.65 = 4.07
04 00 — 24.92 4.095
20 Shd 24.88 0.90
1 06 00 — 23.98 Air T = 26.5 C.

Hygrograph = 42.5 at 1:08
Wet B = 7.0 C. Dry B = 19.2 C.

Sky 1 Cu a Cu horz. X° Obs

3 48 20 Shad 18 43 Air Temp; 22.2
50 00 — 18 50 -.07
50 20 Exp 19 05
52 00 — 22 17 + 3.12 + 0.22 = 3.34
52 20 Shad 22 29
54 00 — 21 85 0.44
54 20 Exp 22 30
56 00 — 25 00 + 2, 70 + .57 = 3,27
3,305
3 56 20 Shad 24 95
4 58 00 — 24 20 75

Air Temp = 23.0 C

Hygrograph = 50.0 at 4.00

Watch L used = 4s slow of BSC

BSC = 3m fast.

Thurs Aug. 7, 1913

Sky clear ECWb

~~12 51 20 Shd 16.80 Air T = 22.0 C~~
~~53 00 — 16.92 -0.12~~
~~20 Eff 17.78 4.02~~
~~55 00 — 21.80~~
~~20 Shd~~
~~57 00 —~~
~~20 Eff~~
~~59 00 —~~
~~20 Shd~~
~~1 01 00 — Air T = 2. C~~

12 56 20 22.66 Air T = 23.0 C
57 .00 22.14 0.52
20 22.80 3.52 +0.70 = 4.22
1 00 00 26.32
20 26.28 0.08
02 00 25.40
20 26.00 3.12 +1.02 = 4.14
04 00 29.12 4.18
20 28.98 1.16
1 06 00 ~~28~~ 27.82 Air T = 25.0 C

Hygrograph = 42.5 at 1:08
Wet B = 16.6 C

Dry B = 19.4 C.

Aug 7. 1913.

	Sky	0		L.C. Obs		
3	44	20	Shd	18.40	Air T = 20.5 C	
	46	00	—	18.50	-0.10	
		20	Eff	19.11	3.22 + 0.16 = 3.38	
	48	00	—	22.33		
		20	Shd	22.30	0.42	
	50	00	—	21.88		
		20	Eff	22.30	2.74 + 0.61 =	3.35
	52	00	—	25.04		3.365
		20	Shd	25.00	0.80	
3	54	00	—	24.20	Air T = 23.6 C	

Hygrograph = 49.2 at 3 56

Thu Aug. 8, 1913.

L.C.W.

Sky Very Hazy & Dusty
No definite clouds.

12 39 20 Sld 16.34 Air T = 19.3C
41 00 — 16.46 −0.12
20 Exp 17.10 3.60 +0.12 = 3.72
43 00 — 20.70
20 Sld 20.68 +0.36
45 00 — 20.32
20 Eff 20.98 3.12 +0.58 = 3.70
47 00 — 24.10 3.71
20 Sld 24.02 +0.80
12 49 00 — 23.22 Air T = 23.5C

Hygrograph = 49.0 at 12:50
Wet B = 6.6 C.
Dry B = 17.4 C.

Aug 8, 1913.

Very hazy & dusty A.C. Obs.

No clouds

3	26	20	Shd	17.82	Air T = 25.5
	28	00	—	17.88	−0.06
		20	Eff	18.48	2.90 + 0.16 = 3.06
	30	00	—	21.38	
		20	Shd	21.35	0.38
	32	00	—	20.97	
		20	Eff	21.35	2.58 + 0.54 = 3.12
	34	00	—	23.93	3.09
		20	Shd	23.84	0.70
3	36	00	—	23.14	Air T = 23.2 C

Hygrograph = 51.4 at 3 38

Tues. Aug. 12, 1913.

Sky 1 Cu hor. ☉ clear
12 38 20 Shd 1708 Air T = 20.8 C.
40 00 — 1718 −0.10
20 Eff 1770 3.90 + 0.16 = 406
42 00 — 2160
20 Shd 21.64 0.42
44 00 — 21.22
20 Eff 21.78 344 + 0.60 = 4.04
46 00 — 25.22 4.05
20 Shd 25.14 078
12 48 00 — 24.36 Air T = 24.5 C.
Hygrograph = 52.8 at 12:50

Wet Bulb = 8.4 C.
Dry Bulb = 19.0 C.

3 42 20 Shd 18.75 Air T = 20.5 C
44 00 — 18.80 −0.05
20 Eff 19.42 3.18 + 0205 = 3.385
Sky 1 Cu Scatt. Nr. 46 00 — 22.60
20 Shd 22.60 0.46
48 00 — 22.14
20 Eff 22.64 2.68 + 0.63 = 3.310
50 00 — 25.32 3.348
20 Shd 25.33 080
☉ 3 52 00 — 24.53 Air T = 22.5 C
Hygrograph reads 53.0 at 3:54

Wed Aug 13, 1913

Sky 3 Cu Cus | NONE Scatt ~~Sky cl~~ C Ab

Sun clear

Air T = 25.0 C

1:11:20	Shd	21.42			
13 00	—	21.80	- 0.38		
20	Eff	22.44	3.98	- 0.04 +	= 3.94
15 00	—	26.42			
20	Shd	26.48	0.30		
17 00	—	26.18			
19 20	Eff	26.86	3.26	+ 0.57	= 3.83
00	—	30.12			3.885
~~21~~ 20	Shd	30.03	0.84		
1 21 00	—	29.19	Air T = 27.0 C.		

Hygrograph = 51.0 at 1:23
Wet B = 8.0 C
Dry B = 19.4 C.

Too cloudy for a second set.

Thurs. Aug 14, 1913

Sky 2 Cu Scatt ⊙ clear

1 17	20	Shd	17.42			Air T = 21.5 C
19	00	—	17.48	-0.06		
	20	Eff	18.10	3.80	+0.20 = 4.00	
21	00	—	21.90			
	20	Shd	21.92	0.46		
23	00	—	21.46			
	20	Eff	22.12	3.22	+0.65 = 3.87	
25	00	—	25.34	clds near	3.935	
	20	Shd	25.28	0.84		
1 27	00	—	24.44			Air T = 25.0 C.

Troubled by clds near close.

Hygrograph = 48.5 at 1:30

Wet B = 7.7 C

Dry B = 19.0 C.

Sky 1 Cu Scatt ⊙ clear

3 49	20	Shd	19.84			Air T = 21.0 C
51	00	—	19.94	-0.10		
	20	Eff	26.50	3.00	+0.18 = 3.18	
53	00	—	23.50			
	20	Shd	23.49	0.46		
55	00	—	23.03			
	20	Eff	23.48	2.54	+0.61 = 3.15	
57	00	—	26.02		3.165	
	20	Shd	26.00	0.76		
3 59	00	—	25.24			Air T = 23.5 C

Hygrograph = 48.0 at 4:02

Fri Aug. 15, 1913

Sky 1 Cu horiz ☉ clear. L.C.A.

12 58 20 Shd 17.50 Air T = 21.5 C
1 00 00 — 17.60 - 0.10
20 Eff 18.20 3.80 + 0.16 = 3.96
02 00 — 22.00
20 Shd 22.02 0.42
04 00 — 21.60
20 Eff 22.16 3.44 + 0.60 = 4.04
06 00 — 25.60 4.00
20 Shd 25.58 0.78
1 08 00 — 24.80 Air T = 28.0 C.
Hygrograph = 49.5 at 1:10
Wet B. = 8.4 C
Dry B = 19.9 C.

3 47 20 Shd 19.47 Air T = 21.2 C
49 00 — 19.59 - 0.12
20 Eff 20.20 3.15 + 0.14 = 3.19
51 00 — 23.35
20 Shd 23.38 0.40
53 00 — 22.98
20 Eff 23.47 2.71 + 0.54 = 3.25
55 00 — 26.18 = 3.22
20 Shd 26.14 0.68
3 57 00 — 25.46 Air T = 25.5 C.
Hygrograph = 57.0 at 4.00

Sky 1 Cu.
horiz.
☉ clear

Sat Aug 16th 13

Sky 2 parts Cu. horizon Abs Ad
Watch Ad = 5 min fast

10.56.20 Shd, = 17.25 Air T = 23.0 C
" 58 00 — 17.40 — 0.15
58 20 Exp 17.90 3.90 + 0.165 = 4.065
11 00 — — 21.80
" 00.20 Shd 22.28 + 0.48
— 02 00 — 21.72
02 20 Exp 22.12 3.28 + 0.64 = 3.920
04.00 — 25.40
04 20 Shd 25 35 0.80 3.992
06.00 — 24.55
Air T = 23.0 C

Hygro
Wet = 8.4 C at 11.16
dry = 15.4 = C

Sky 3 parts Cu Ci Cu Scatt Abs Ad
Air T = 27.5 C. Watch Ad = 5 m fast

Hyg = 58.54
Wet B = 8.8 C
Dry B = 15.4 C

1.03.20. Shd = 29.25
1.05 00 — = 29.20 + 05
1.05 20. Exp = 29.80
1.07 00 — 33.45 + 3.65 + 0.30 = 3.950
1 07 20 Shd 33.55
1.09 00 — 33 00 + 0.55
1.09 20 Exp 33.50
1.11.00 — 436 35 2.850 + 0.865 =
1.11.20 Shd 436 28 3.715
1.13.00 — 35.10 1.18
Air T = 27.8

Sat Aug 16th/13

Ob. At

Watch At. = 5 mnts fast.

Sunday Aug 17/13

Sky Ofs. Cu C Cu   Air T = 16°C   Ob Ob O

Watch cd = 6 mnts fast.

8 = 32 - 20 Shd = 15.70
8 = 34 00 — = 15.80 −10
8, 34 20. Exp = 16 55
8; 36 00 — = 19.45 +3,20+20 = 3,400
8. 36 20. Shd = 19.70
8. 38 00 — 19.40 +0,30
8 38 20 Exp 19.98
8 40.00 — 22.70 +2,72+52 3.240
8 40 20 Shd 22,62
8. 42.00 — 21.88 +0.74 2)6.640

Air T = 17.8 C 3,320

Hygrograph = 61.5
WetB = 6.8 C
DryB = 15.2 C

Sunday Aug 17th/13

Sky Cu CiCu 2 parts.

Watch Obs Ct = 6 mnts fast

Air T = 22.8 C

11. 11	20	Sha	28 98.	
13	00	—	28.70	+ 28.
13	20	Exp	29.40	
15	00	—	32.50.	+ 3, 1.0 + 64 = 3.74
15	20	Sha	32.30	
17	00	—	31.30.	+ 1.0.0
17	20	Exp	31.75	
19 -	00	—	34.28.	+ 2.53 + 1.25 = 3.78
19	20	Sha	34 00	
21	00	—	32.50	+ 1.50 = 3.76

Air T = 22.5 C

Hygrograph 58.0
Wet B = C 8.4
Dry B = C 17.2.

Monday Aug 18 1913 HB Obs.

Sky 0 Air Temp = 22.0 C

~~17 40~~ 1 02 20 Shad. 17 40
04 00 — 17 60 .20
04 20 Exp 18 28
06 00 — 22 35 4.07 = +.10 = 4.17
06 20 Shad 22 40
08 00 — 22 60 0.40
08 20 Exp 22 85
10 00 — 26 30 3.45 – +.78 = 4.23
10 20 Shad 26 40 8.40
12 00 — 25 34 1.16 4.20

Air Temp: 24.7 C

W. B 9.9 D. B 18.8 Hygrograph: 58.0 at 1.15 pm
Sky 0 Air Temp = 21.9 C HB Obs

3 43 20 Shad 18 94
45 00 — 19 60 – .06
45 20 Exp 19 60
47 00 — 23 00 3.40 + 235 = 3.635
47 20 Shad 23 08
49 00 — 22 55 .53
49 20 Exp 22 98
51 00 — 25 80 2.87 + .775 = 3.645
51 20 Shad 25 75 7.280
53 00 — 24 83 .92 3.640

Air Temp = 22.8 C

Hygrograph = 58.0 at 3 55 pm

Thurs. August 21, 1913

Sky 3 cirr thin scatt. P. C. Obs

☉ clear

12 32	20	Shd	16.08	Air T = 22.5 C
34	00	—	16.20	−0.12
	20	Exp	16.94	4.18 + 0.22 = 4.40
36	00	—	21.12	
	20	Shd	21.16	0.56
38	00	—	20.62	
	20	Exp	21.26	3.70 + 0.73 = 4.43
40	00	—	24.96	4.415
	20	Shd	24.88	0.90
12 42	00	—	23.98	= Air T = 24.0 C

Hygrograph = ~~[illegible]~~ 38.2 at 12:44.

Wet B = 5.6 C.

Dry B = 19.4 C.

4 00 Too cloudy for a later set.

Fri. Aug. 22, 1913.

Sky & Alto Cis Scatt. ⊙ clear P. C. Abs.

Sky rather variable.

1:05:20	Shd	16.42	-010	Air T=22.5
07 00	—	16.52		
20	Exp	17.28	4.02+0.22=4.24 C	
09 00	—	21.30		
20	Shd	21.34	0.54	
11 00	—	20.80		
20	Exp	21.12	3.46+0.66= 4.12	
13 00	—	24.58		4.1A
20	Shd	24.58	0.78	
1 15 00	—	23.80	Air T=26.0 C.	

Hygrograph = 42 at 1:17

Wet B = 7.2 C.
Dry B = 19.1 C.

Mon. Aug 25, 1913

Sky / Cu Cilu Scatt o clear. P.C. Ab.

1	19	20	Shd	18.08	Air T = 22.0 C
	21	00	—	18.12	−0.04
		20	Exp	18.72	3.82 + 0.22 = 4.04
	23	00	—	22.54	
		20	Shd	22.52	0.48
	25	00	—	22.04	
		20	Exp	22.50	3.32 + 0.64 = 3.96
	27	00	—	25.82	4.00
		20	Shd	25.80	0.80
1	29	00	—	25.00	Air T = 24.5 C.

Hygrograph = ~~[illegible]~~ 53.8 at 1:31

Wet B = 9.6 C

Dry B = 19.5 C.

Tues. Aug. 26, 1913

Sky 1 in hoz 0 clear

12	55	20	Shd	17.58	Air T = 21.5 C
	57	00	—	17.66	−0.08
		20	Exp	18.34	3.90+0.17 = 4.07
	59	00	—	22.24	
		20	Shd	22.22	0.42
1	01	00	—	21.80	
		20	Exp	22.42	3.38+0.65 = 4.03
	03	00	—	25.80	4.05
		20	Shd	25.78	0.88
1	05	00	—	24.90	Air T = 25.5 C

Hygrograph = 51.0 at 1 07

Wet B = 9.0 C
Dry B = 20.7 C.

3	59	20	Shd	22.48	Air T = 24.5 C
4	01	00		22.54	−0.06
Sky clear		20	Exp	23.14	3.12+0.22 = 3.34
	03	00	—	26.26	
		20	Shd	26.22	0.50
	05	00	—	25.72	
		20	Exp	26.14	2.60+0.67 = 3.27
	07	00	—	28.74	3.305
		20	Shd	28.60	0.84
4	09	00	—	27.76	Air T = 235 C

Hygrograph = 50.5 at 4:11

Wed. Aug. 27, 1913.

F.C.Ab..

Sky 1 Cir | W.E. hor. ☉clear

1 03 20 Shd 18.10 Air T = 21.6 C.
05 00 — 18.22 − 0.12
20 Eff 19.00 3.76 + 0.18 = 3.94
07 00 — 22.76
20 Shd 22.78 0.48
09 00 — 22.30
20 Eff 22.98 3.34 + 0645 = 3.98 5
11 00 — 26.32 0.81 3962
20 Shd 26.29 Air T = 27.0 C
1 13 00 — 25.48

Hygrograph = 52.0 at 1:15.
Wet B = 9.7 C.
Dry B = 19.9 C.

Sky 1 Cir ~~to the~~ horizon ☉clear

3 52 20 Shd 1976 Air T = 22.5
54 00 — 19.80 − 0.04
20 Eff 20.31 3.06 + 0.17 = 3.23
56 00 — 23.37
20 Shd 23.36 0.38
58 00 — 22.98
20 Eff 23.41 2.61 + 057 = 3.18
4 00 00 — 26.02 3.205
20 Shd 25.97 0.76
02 00 — 25.21 Air T = 24.5

Hygrograph = 54.5 at 4.04

Thurs. Aug. 28, 1913

C.G.Abt.

Sky $\overset{3}{\#}$ Cu N & NE. ⊙ clear

1 05 20 Shd 18.11 Air T = 21.8 C

07 00 — 18.19 - 0.08

20 Exp 18.92 3.80+0.17 = 3.97

09 00 — 22.72

20 Shd 22.70 0.42

11 00 — 22.28

20 Exp 22.80 3.36+0.61 = 3.97

13 00 — 26.16 3.97

20 Shd 26.11 0.80

1 15 00 — 25.31 Air T = 26.5 C

Hygrograph = 53.5 at 1.17

Wet B = 10.0 C.

Dry B = 19.5 C.

Sat Aug. 30, 1913

Sky 3 CuCirS Scatt. ⊙ clear P.C.Obs.

12 53 20	Shd	18.36			Air T = 21.5 C
55 00	—	18.46	−0.10		
20	Exp	19.14	4.02 +0.21 = 4.23		
57 00	—	23.20			
20	Shd	23.22	0.52		
59 00	—	22.70			
20	Exp	23.30	3.40 +0.70 = 4.10		
01 00	—	26.70			
20	Shd	26.66	0.88		4.165
1 03 00	—	25.78			

Hygrograph = 36.0 at 1:05

Wet B = 10.6 C. Dry B = 19.3 C.

Mon Sept 1, 1913

Sky 1 Cu horz L.C.A.
○ clear.

8 23 20 Sbd 16.82 air = 15.5 C.
25 00 — 16.88 −0.06
20 Eff 17.48 3.32 + 0.25 = 3.57
27 00 — 20.80
20 Sbd 20.80 0.56
29 00 — 20.24
20 Eff 20.80 2.84 + 0.74 = 3.58
3.575
31 00 — 23.64
20 Sbd 23.52 0.92
8 33 00 — 22.60 air T = 15.5 C
Hygrograph = 58.5 at 8.35
Wet B = 8.0 C. Dry B = 16.8 C.

Sky 1 Cu horz.

11 03 20 Sbd 17.72 air T = 19.0 C
05 00 17.88 − 0.16
20 Eff 18.52 3.88 + 0.18 = 4.06
07 00 — 22.40
20 Sbd 22.32 0.52
09 00 — 21.80
20 Eff 22.38 3.30 + 0.76 = 4.06
11 00 — 25.68 4.06
20 Sbd 25.60 1.00
11 13 00 — 24.60 air T = 20.0 C
Hygrograph = 52.5 at 11.15
~~Wet B = C. Dry B.~~

Tues. Sept 2, 1913

Sky 1 Cu horiz 0 clear P.C. Obs.

1:24 20 Shd 18.00 Air T = 21.5 C
26 00 — 18.10 -0.10
20 Exp 18.92 3.80 + 0.20 = 4.00
28 00 — 22.72
20 Shd 22.74 0.50
30 00 — 22.24
20 Exp 22.92 3.38 + 0.70 = 4.08
4.04
32 00 — 26.30
20 Shd 26.22 0.90
1 34 00 — 25.32 Air T = 25.5 C

Hygrograph = 48.5 at 1:36
Wet B. = 8.0 C. Dry B = 18.9 C.

See next page

2)

F Sept 3, 1913

Sky 1 Cu hazy ⊙ clear

L.C.Abs.

3	37	20	Shd	19.65	Air T = 23.0 C
	39	00	—	19.69	−0.04
		20	Exp	20.28	3.16+0.20 = 3.36
	41	00	—	23.44	
		20	Shd	23.42	0.44
	43	00	—	22.98	
		20	Exp	23.4A	2.60+0.6~~6~~7 = 3.27
	45	00	—	26.08	3.315
		20	Shd	26.00	0.90
3	47	00	—	25.10	Air T = 23.5 C

Hygrograph reads 5.20 at 3.4A.

Wed. Sept. 3, 1913

Sky clear L. C. Obs.

1 00 20 Shd 17.52 air T = 23.0 C
02 00 — 17.60 -0.08
20 Eff 18.38 4.00 + 0.19 = 4.19
04 00 — 22.38
20 Shd 22.36 0.46
06 00 — 21.90
20 Eff 22.56 3.48 + 0.72 = 4.20
08 00 — 26.04 4.195
20 Shd 25.98 0.98
1 10 00 — 25.00 air T = 27.8 C.

Hygrograph = 49.5 at 1:12
Wet B = 8.7 C. Dry B = 19.5 C.

Sky clear

~~7~~3 36 20 Shd 19.11 H. P. Obs.
38 00 — 19 20 ~~08~~ -.09
38 20 Eff 19 78
40 00 — 23 10 3.32 + ~~1.40~~ 1.45 = ~~3.455~~ 3.465
40 20 Shad 23 21
42 00 — 22 85 .36
42 20 Eff 23 20
44 00 — 26 10 2.90 + .605 = 3.505
44 20 Shad 26 08
46 00 — 25 23 .85

~~6.960~~ 6.965
~~3.480~~
~~3.480~~
~~3.480~~
3.475

Hygrograph reads 54.5 at 3:48 pm.

Temp = 24.3 °C

Thurs. Sept. 4, 1913

C.G.A.

Sky 0

1:14:20	Shd	17.43	Air T = 21.5 C
16:00	—	17.55	−0.12
20	Eff	18.28	4.00 + 019 = 419
18:00	—	22.28	
20	Shd	22.32	0.50
20:00	—	21.82	
20	Eff	22.50	3.48 + 067 = 415
22:00	—	25.98	417
20	Shd	25.92	0.84
1:24:00	—	25.08	Air T = 27.5 C

Hygrograph = 48.5 at 1:26
Wet B 8.8C: Dry B = 19.7C.

Sky 1 Cir
hazy.
Sun clear

3 35 20	Sbd	19.36	Air T = 22.0 C.
37 00	—	19.44	−0.08
20	Eff	20.00	3.54 + 022 = 3.76
39 00	—	23.54	
20	Shd	23.52	0.52
41 00	—	23.00	
20	Eff	23.58	3.02 + 0.70 = 3.72
43 00	—	26.60	3.74
20	Shd	26.54	0.86
3 45 00	—	25.68	Air T = 24.0 C.

Hygrograph = 47.5 at 3.47.

Mon Sept 8, 1913 LCObs

Sky 0

1 00 20	Shd	17.70	Air T = 22.8 C.	
02 00	—	17.74	−0.04	
20	Exp	18.48		
04 00	—	22.55	4.$\overset{0}{\cancel{1}}$7+0.24 = 4.31	
20	Shd	22.60	0.52	
06 00	—	22.08		
20	Exp	22.80	3.58 +0.69 =	4.27
08 00	—	26.38		4.29
20	Shd	26.30	0.86	
1 10 00	—	25.44	Air T = 26.2 C	

Hygrograph 44.0 at 1:12

Wet B = 8.4 C. Dry B = 20.1 C.

Sky 0 LCObs

3 44 20	Shd	19.88	Air T = ~~24~~ 24.0 C.	
46 00	—	19.98	−0.10	
20	Exp	20.42	3.46 +0.17 = 3.63	
48 00	—	23.88		
20	Shd	23.90	0.44	
50 00	—	23.46		
20	Exp	24.00	2.96 +0.65 = 3.61	
52 00	—	26.96		3.62
20	Shd	26.86	0.86	
3 54 00	—	26.00	Air T = 23.5 C	

Hygrograph = 46.0 at 3:55.

Tues Sept 9, 1913

C. G. Ab

Sky 0.

1:14:20 Shd 17.11 Air T = 20.5 C
16 00 — 17.22 -0.11
20 Exp 17.92 4.00 + 0.155 = 4.155
18 00 — 21.92
20 Shd 21.90 0.42
20 00 — 21.48
20 Exp 22.11 3.57 + 0.64 = 4.21
22 00 — 25.68 4.182
20 Shd 25.58 0.86
1 24 00 — 24.72 Air T = 25.5 C

Hygrograph = 47.5 at 1:26
Wet B. = 8.6 C.
Dry B. = 19.6 C.

Sky Hazy & Air Very dusty
1 Cu Clouds.

C. G. Ab

3 44 20 Shd 20.50 Air T = 22.5 C
46 00 — 20.68 -0.18
20 Exp 21.18 3.04 + 0.10 = 3.14
48 00 — 24.22
20 Shd 24.20 0.38
50 00 — 23.82
20 Exp 24.28 2.50 + 0.60 = 3.10
52 00 — 26.78 3.12
20 Shd 26.72 0.82
3 54 00 — 25.90 Air T = 21.5 C.

Hygrograph reads 50.0 at 3:55

Wed. ~~Sept~~ 10, 1913

Sky 2 Cu Ci Cu Scatt F.E. Obs

☉ clear

1 .	06 :	20	Shd	17.00	Air T = 19.8C
	08	00	—	17.08	−0.08
		20	Eff	17.68	3.88 + 0.18 = 4.06
	10	00	—	21.56	
		20	Shd	21.56	0.44
	12	00	—	21.12	
		20	Eff	21.72	3.46 + 0.66 = 4.12
	14	00	—	25.18	4.09
		20	Shd	25.10	0.88
1	16	00	—	24.22	Air T = 25.5C.

Hygrograph = 48.5 at 1:18

Wet B = 8.0C. Dry B = 19.0C.

Sky 2 Ci Cu Ci S Scatt F.E. Obs

☉ clear.

3	33	20	Shd	18.96	Air T = 21.0C
	35	00	—	19.00	−0.04
		20	Eff	19.64	3.30 + 0.21 = 3.51
	37	00	—	22.94	
		20	Shd	22.92	0.46
	39	00	—	22.46	
		20	Eff	22.95	2.80 + 0.63 = 3.43
	41	00	—	25.75	3.47
		20	Shd	25.71	0.80
3	43	00	—	24.91	Air T = 23.5C

Hygrograph = 48.5 at 3.45

Fri. Sept 12, 1913

Sky 1 Cir. cir Fog Ocean

1. 06. 20 Shd 1732 Air T = 20.0 C
08 00 — 17.42 - 0.10
20 Eff 18.18 3.90 + 0.215 = 4.115
10 00 — 22.08
20 Shd 22.11 0.53
12 00 — 21.58
20 Eff 22.40 3.40 + 0.725 = 4.125
14 00 — 25.80 4.120
20 Shd 25.74 0.92
1 16 00 — 24.82 Air T = 24.0 C
Hygrograph = 50.5 at 1.18
Wet B = 7.6 C
Dry B = 18.2 C

Wed. Sept 17, 1913

L.C. Ob.

Sky 0

1 18 20 Shd 17.02 Air T = 20.8 C
20 00 — 17.11 -0.09
20 Eff 18.00 4.02 + 0.185 = 4.205
22 00 — 22.02
20 Shd 22.01 +0.46
24 00 — 21.55
20 Eff 22.20 3.62 + 0.62 = 4.24
26 00 — 25.82 4.222
20 Shd 25.68 0.78
1 28 00 — 24.90 Air T = 25.2 C
Hygrograph = 47.0 at 1:30
Wet B = 7.6 C. Dry B = 18.6 C.

3 46 20 Shd 18.88 Air T = 20.6 C
48 00 — 18.89 -0.01
20 Eff 19.50 3.48 + 0.25 = 3.73
50 00 — 22.98
20 Shd 22.98 0.51
52 00 — 22.47
20 Eff 23.02 2.98 + 0.64 = 3.62
54 00 — 26.00 3.675
20 Shd 25.88 0.77
3 56 00 — 25.01 Air T = 23.0 C

Sky 0 Hygrograph = 49.5 at 3:58

~~Thur. Sept 18, 1913~~

Sky. clear

1 04	20	Shd	16.88	Air T = 19.0 C.	
06	00		16.98	− 0.10	
	20	Eff	17.76	4.00 + 0.175 = 4.175	
08	00		21.76		
	20	Shd	21.77	0.45	
10	00		21.32		
	20	Eff	22.00	3.50 +0.665 = 4.165	
12	00		25.50		4.170
	20	Shd	25.42	0.92	
1 14	00		24.50	Air T = 23.5 C	

Hygrograph = 44.0 at 1:16

wet B = 8.0 C. Dry B = 19.1 C

Sky 0

~~3 18 25~~ ~~18.25 Air~~

3 26	20	Shd	18.37	Air T = 20.0 C	
28	00		18.49	− 0.12	
	20	Eff	19.00	3.38 +0.17 = 3.555	
30	00		22.38		
	20	Shd	22.36	0.46	
32	00		21.90		
	20	Eff	22.48	2.92 +0.665 = 3.585	
34	00		25.40		3.568
	20	Shd	25.34	0.87	
3 36	00		24.47	Air T = 23.0 C	

Hygrograph = 46.0 at 3.38

Sun. Sept 21, 1913

Sky, Ci Scatt ☉ clear

1 04	20	Shd	18.42	Air T = 22.0 C
06	00	—	18.52	−0.10
	20	Eff	19.20	3.74 + 0.18 = 3.92
08	00	—	22.94	
	20	Shd	22.96	0.46
10	00	—	22.50	
	20	Eff	23.04	3.34 + 0.63 = 3.97
12	00	—	26.38	3.945
	20	Shd	26.30	0.80
1 14	00	—	25.50	Air T = 25.0 C

Hygrograph reads 49.5 at 1:16.

Wet B. = 8.4 C Dry B. = 20.2 C

Mon Sept 22, 1913

Sky 1 Cu low 0 clear

1:15:20 Shd 18.66 Air T = 22.5 C
17 00 — 18.76 -0.10
20 Eff 19.46 3.98 + 0.19 = 4.17
19 00 — 23.44
20 Shd 23.46 0.48
21 00 — 22.98
20 Eff 23.58 3.56 + 0.67 = 4.23
23 00 — 27.14 4.20
20 Shd 27.08 0.86
1 25 00 — 26.22 Air T = 26.5 C
Hygrograph reads 49.0 at 1:27

Wet B = 9.3 C. Dry B = 20.2 C.

Sky 0
3 37 20 Shd 20.04 Air T = 22.2 C
39 00 — 20.00 0.04
20 Eff 20.72 3.48 + 0.27 = 3.75
41 00 — 24.20
20 Shd 24.18 0.50
43 00 — 23.68
20 Eff 24.30 2.98 + 0.71 = 3.69
45 00 — 27.28 3.72
20 Shd 27.22 0.92
3 47 00 — 26.30 Air T = 25.0 C

Hygrograph = 51.0 at 3:49

Tues. Sept. 23, 1913.

Sky 0 L.C. Ab.

1 10 20 Shd 18.18 Air T = 24.0 C
12 00 — 18.28 − 0.10
20 Exp 19.01 4.26 + 0.16 = 4.42
14 00 — 23.27
20 Shd 23.23 0.42
16 00 — 22.81
20 Exp 23.47 3.61 + 0.66 = 4.27
18 00 — 27.08
20 Shd 27.02 0.90 4.345
1 20 00 — 26.12 Air T = 26.5 C
Hygrograph = 47.5 at 1.22
Wet B = 9.0 C
Dry B = 19.6 C

Sky 0 L.C. Ab.

3 42 20 Shd 20.30 Air T = 21.5 C
44 00 — 20.32 − 0.02
20 Exp 20.94 3.38 + 0.28 = 3.66
46 00 — 24.32
20 Shd 24.32 0.58
48 00 — 23.44
20 Exp 24.26 2.86 + 0.75 = 3.61
50 00 — 27.12 3.635
20 Shd 27.00 0.92
3 52 00 — 26.88 Air T = 23.0 C
Hygrograph = 48 at 3.54

Fri. Sept 26, 1913

~~1 26 20 Shd 17.92~~ Air T = 22.0 C

~~28 00 — 18.02~~

~~20 Exp 17.80~~

~~30~~

~~1 3 Shd~~

~~32 —~~

~~Exp~~

~~34 —~~

~~Shd~~

~~36 —~~

1 31	20	Shd	25.26		Air T = 25.5 C
33	00	—	24.48	0.78	
	20	Exp	25.10	2.98 + 0.89 = 3.87	
35	00	—	28.08	1.00	
	20	Shd	27.90		
37	00	—	26.90		
	20	Exp	27.40	2.80 + 1.13 = 3.93	
39	00	—	30.20	3.90	
	20	Shd	30.08	1.26	
1 41	00	—	28.82		Air T = 26.0 C

Sky! Cir hazy

LBAl.

Sun clear

Hygrograph = 57.5 at 1.43

Wet B. = 10.9 C.

Dry B = 19.7 C.

Sept 26, 1913

Sky Clear

3 24	20	Shd	20.22		Air T = 21.0C
26	00	—	20.22	000	
	20	Exp	21.00	3.26 + 0.18	= 3.44
28	00	—	24.26		
	20	Shd	24.62	0.36	
30	00	—	24.10		
	20	Exp	24.64	2.76 + 0.67	= 3.43
32	00	—	27.40		3.435
	20	Shd	27.32	0.98	
3 34	00		26.34	Air T = 24.0 C	

Hygrograph = 59.5 at 3.35

Stat. Sept 27, 1913

Sky 1 Cirr horz. Sun clear P.C.Abs.

1 16 20 Shd 17.92 Air T = 21.6 C
18 00 — 18.02 -0.10
20 Eff 18.80 3.82 + 0.19 = 4.01
20 00 — 22.62
20 Shd 22.62 0.48
22 00 — 22.14
20 Eff 22.74 3.38 + 0.69 = 4.07
24 00 — 26.12 4.04
20 Shd 26.08 0.90
1 26 00 — 25.18 Air T = 23.4 C

Hygrograph = 60.0 at 1.28
Wet B = 10.9 C.
Dry B = 18.7 C.

Sky 1 Cirr horz P.C.Abs.

3.16:20 Shd 19.62 Air T = 20.8 C
18 00 — 19.70 -0.08
20 Eff 20.12 3.46 + 0.21 = 3.67
20 00 — 23.58
20 Shd 23.52 0.50
22 00 — 23.02
20 Eff 23.62 2.88 + 0.68 = 3.56
24 00 — 26.50 3.615 ~~3.615~~
20 Shd 26.34 0.86
3 26 00 — 25.48, Air T = 22.8 C

Hygrograph = 62.5 at 3.27

Sun. Sept 28, 1913

Sky 1 Cu L.C. Obs.

1 09 20 Shd 17.50 Air T = 22.6 C
11 00 — 17.61 − 0.11
20 Eff 18.37 4.03 + 0.19 = 4.22
13 00 — 22.40
20 Shd 22.42 0.49
15 00 — 21.93
20 Eff 22.38 3.62 + 0.68 = 4.30
17 50 — 26.00 4.26
20 Shd 25.98 0.87
1 19 00 — 25.11 Air T = 24.6 C
Hygrograph = 62.0 at 1:21
Wet B = 10.7 C. Dry B = 18.1 C.

Sky clear L.C. Obs.

3 19 20 Shd 19.18 Air T = 20.4 C
21 00 — 19.18 0.00
20 Eff 19.82 3.58 + 0.28 = 3.86
23 00 — 23.40
20 Shd 23.30 0.56
25 00 — 22.74
20 Eff 23.22 2.94 + 0.75 = 3.69
27 00 — 26.16 3.775
20 Shd 26.04 0.94
3 29 00 — 25.10 Air T = 22.5 C

Hygrograph = 64? at 3:30

Mon. Sept 29 1913

Sky 0 — JO Obs

1 18 20 Shad 17 00. — Air Tem = 21.5 C
1 20 00 — 17 70 · 20
1 20 20 Exp · 18 52
1 22 00 — 22 60 4 08 +.095 = 4.175
1 22 20 Shad 22 64
1 24 00 — 22 25 .39
1 24 20 Exp 22 85
1 26 00 — 26 42 3.57 + .63 = 4.20
1 26 20 Shad 26 47 — 4.188
1 28 00 — 25 60 .87

Hygrograph = 59.0 at 1:30 pm — Air Temp = 25.0 C
Wet B = 10.4 Dry B = 18.4

Sky 1 Ci 3-5 hor. Sun clear — JO Obs

3 36 20 Shad 19 10 — Air Temp = 21.5 C
38 00 — 19 10 00
38 20 Exp 19 65
40 00 — 23 12 3.47 + 30 = 3.77
40 20 Shad 23 20
42 00 — 22 61 .60
42 20 Exp 23 00
44 00 — 25 90 2.90 + .79 = 3.69
44 20 Shad 25 85 — 3.73
46 00 — 24 88 .98

Air Temp = 21.5 C

Hygrograph = 64.0 at 3.55

Tues. Sept 30th 1913

Sky 1 Cu hor.

W O Ab

Air Temp = 22.3

1 44 20 Shad 16 96

1 46 00 — 17.08 - 12

1 46 20 Exp 17 60

1 48 00 — 21 62 4.02 + 10.5 = 4.125

1 48 20 Shad 21 68

1 50 00 — 21 25 .43

1 50 20 Exp 21 92

1 52 00 — 25 15 3,~~4~~2 3 + .64 = ~~4.07~~ 3.87

1 52 20 Shad 25 10 ~~4.097~~

1 54 00 — 24 25 .85 3.998

Hygrograph = 60.5 at 200 pm

Air Temp = 23.8 C

Wet Bulb = 10.0 Dry Bulb = 18.2

L.C.Ob.

Sky 1 Cu hory. Very windy-

3 35 20 Shd 18.86 Air T = 21.2 C

37 00 — 18 90 - 0.04

20 Eff 19.48 3.22 + 0.25 = 3.47

39 00 — 22.70

20 Shd 22.68 0.54

41 00 — 22.14

20 Eff 22.68 2.58 + 0.73 = 3.31

43 00 — 25.26 3.39

20 Shd 25.12 0.92

3 45 00 — 24.20 Air T = 21.6 C

Hygrograph = 67.5 at 3:46

Wed. Oct. 1, 1913

Sky 1 Cu hor
⊙ clear
1 23^4 20 Shd 16.79 Air T = 23.2 C
25/6 00 — 16.98 − 0.19
20 Eff 17.80 4.00 + 0.085 = 4.085
27/8 00 — 21.80
20 Shd 21.88 0.36
29/30 00 — 21.52
20 Eff 21.40 3.48 + 0.52 = 4.00
31^2 00 — 24.88 4.042
20 Shd 24.88 0.68
1 33^4 00 — 24.20 Air T = 25.5 C
Hygro = 56.5 at 1:36
Wet B = 9.8 C.
Dry B = 18.8 C.

Sky 2
Cu Scatt
⊙ clear

3 36 20 Shd 27.98 Air T = 25.6 C
38 00 27.98 0.00
20 Eff 28.00 2.86 + 0.26 = 3.16
40 00 30.86
20 Shd 30.85 0.52
42 00 — 30.33
20 Eff 30.84 2.44 + 0.76 = 3.20
44 00 33.28 3.18
20 Shd 33.18 1.00
3 46 00 — 32.18 Air T = 25.2 C

Hygrograph = 58.0 at 3:48

Thurs. Oct 2nd 1913

Sky

70° Obs
Air Temp = 23.0

1	22 20	Shad	17	60			
	24 00	—	17	74	-.14		
	24 20	Exp	18	52			
	26 00	—	22	50	4.02 + .14 = 4.16		
	26 20	Shad	22	62			
	28 00	—	22	20	.42		
	28 20	Exp	22	82			
	30 00	—	26	35	3.53 + .62 = 4.15		
	30 20	Shad	26	30		4.155	
	32 00	—	25	48	.82		

Hygrograph = 49.0 at 1.35 pm   Air Temp = 27.0
Wet Bulb = 9.3   Dry Bulb = 19.5

Sky

70° Obs
Air Temp = 21.5

3	40 20	Shad	19	83		
	42 00	—	19	88	-.05	
	42 20	Exp	20	48		
	44 00	—	23	85	3.37 + .20 = 3.57	
	44 20	Shad	23	95		
	46 00	—	23	50	.45	
	46 20	Exp	24	00		
	48 00	—	26	.92	2.92 + .605 = 3.555	
	48 20	Shad	26	92		7.125
	50 00	—	26	10	.82	3.563

Hygrograph = 45.0 at 3 55 pm   Air Temp = 25.0

Thursday Oct 2nd/13

At Obs
Watch At = 3 secs slow

Air temp = 23°C

1	46	20	Sha.	= ~~23.60~~ 24 30	
	48	00	—	24.20	+ 10 =
	48	20	Exp.	24.85	
	50	00		28.60	3.55 + .35 = 3.90
	50	20.	Shd	28.60	
	52	00	—	28.00	.60
	52	20	Exp	28.54	
	54	00	—	31.60	3.06 + .815 = 3.875
	54	20	Shd	31.55	3.88
	56.	00	—	30.58	1.03

Air temp = 22.8C

Hygrograph = 48.5
Wet Bulb = Dry bulb =

Fri ~~Oct~~ 3, 1913

Sky 1 Cu hazy.

LCAb

1:29:20	Shd	17.06	Air T = 20.6 C
31 00	—	17.14	−0.08
20	Eff	17.80	
33 00	—	21.72	3.92 + 0.17 = 4.09
20	Shd	21.72	0.42
35 00	—	21.30	
20	Eff	21.82	3.44 + 0.54 = 3.98
37 00	—	25.26	4.035
20	Shd	25.10	0.66
1 39 00	—	24.44	Air T = 26.0 C.

Hygrograph = 50.5 at 1:41

wet B = ~~10~~ 9.4 C

Dry B = 19.6 C.

LCAb

Sky 1 Cu hazy

3 25 20	Shd	19.14	Air T = 21.0 C
27 00	—	19.18	−0.04
20	Eff	20.00	3.28 + 0.23 = 3.51
29 00	—	23.28	
20	Shd	23.22	0.50
31 00	—	2~~3~~2.72	
20	Eff	23.22	2.92 + 0.75 = 3.67
33 00	—	26.14	3.59
20	Shd	26.10	1.00
3 35 00	—	25.10	Air T = 24.5 C.

Hygrograph = 53.0 at 3:37

Sat. Oct. 4, 1913

Sky 1Cu hazy
Windy ☉ Clear

1 18 20 Shd 17.08 Air T = 20.5 C
20 00 — 17.60 − 0.02
20 Eff 17.82 3.68 + 0.20 = 3.88
22 00 — 21.50
20 Shd 21.54 0.42
24 00 — 21.12
20 Eff 21.72 3.18 + 0.63 = 3.81
26 00 — 24.90 3.845
20 Shd 24.84 0.84
1 28 00 — 24.00 Air T = 23.5 C
Hygrograph = 54.5 at 1:30
Wet B = 9.5 C.
Dry B = 18.0 C.

Sky clear windy.

3 36 20 Shd 18.33 Air T = 20.2 C
38 00 — 18.36 − 0.03
20 Eff 18.98 3.16 + 0.24 = 3.40
40 00 — 22.14
20 Shd 22.11 0.51
42 00 — 21.60
20 Eff 22.12 2.76 + 0.655 = 3.415
44 00 — 24.88 3.408
20 Shd 24.80 0.80
3 46 00 — 24.00 Air T = 22.5 C

Hygrograph = 58.0 at 3:47

Mon Oct. 6. 1913.

Sky 1 Cu NE hor. LC Obs.

1 20 20 Shd 17.00 Air T = 21.0 C
22 00 — 17.14 -.014
20 Eff 17.90 3.92 + 0.17 = 4.09
24 00 21.82
20 Shd 21.90 0.48
26 00 — 21.42
20 Eff 22.02 3.58 + 0.65 = 4.23
28 00 25.60 4.165
20 Shd 25.48 0.82
1 30.00 — 24.66 Air T = 26.0 C.
Hygrograph = 51.0 at 1 35
Wet Bulb - 9.2°C Dry Bulb - 19.8°C

3 38 20 Shd 18.78 Air T = 21.0 C
40 00 — 18.80 -0.02
20 Eff 19.40 3.26 +023 = 3.49
42 00 22.66
20 Shd 22.68 0.48
44 00 — 22.20
20 Eff 22.70 2.78 +0.68 = 3.46
46 00 25.48 3.475
20 Shd 25.38 088
3 48 00 — 24.50 Air T = 23.0 C

Hygrograph = 57.0 at 3.50
Sky 1 CuS NE Hor

Saturday Oct 18th 1913

Sky Cu Cu L 5 Scatt
Sun clear

Air Temp 71.0 F

11 53 20	Shad	18 80	
11 55 00	—	18 89	-.09
11 55 20	Exp	19 62	
11 57 00		23 65	4 03 +.17 = 4.20
57 20	Shad	23 90	
59 00	—	23 45	.45
59 20	Exp	24 00	
12 01 00	—	27 50	3.50 +.66 = 4.16
01 20	Shad	27 45	4.18
03 00	—	26 58	.87

Hygrograph at 12.08 = 55.5 Air Temp 78.5 F
W. Bulb = 11.6 C
Dry Bulb = 21.0 C

Sky H Cu

12 33 20	Shd	25.18	air T = 80.0 F
35 00	—	25.30	- 0.12
20	Exp	26.08	3.82 + 0.12 = 3.94
37 00	—	29 90	
20	Shd	29.84	0.48
39 00	—	29.36	
20	Exp	29.98	3.20 + 0.76 = 3.96
41 00	—	33.18	3.95
20	Shd	33.02	1.04
12 43 00	—	31.98	Air T = 83.0 F

Hygrograph = 56.0 at 12.45

Mon Oct. 20, 1913

Sky 5 Cu Cs Scatt. R. Ab.

Sun clear at ~~start~~.

12:48 20 Shd 19.08 Air T = 72.0 A.T.

50 00 — 19.10 -0.02

Aldsmar 20 Eff 19.80 + =

52 00 —

20 Shd

54 00 — Reject

20 Eff + =

56 00 —

20 Shd

12 58 00 — Air T = A.T.

Hygrograph =

Wet B = C. Dry B = C.

Monday Oct 20th 1913

Sky Cu Cu S E 5 Scatt. Sun clear

Air Temp. 78.5 F.

27	20	Shad	22	0.6	
29	00	—	22	10	.04
29	20	Exp	22	82	
31	00	—	26	55	3.73 + .255 = 3.985
31	20	Shad	26	60	
33	00	—	26	05	.55
33	20	Exp	26	60	
35	00	—	29	80	3.20 + .745 = 3.945
35	20	Shad	29	38	3.965
37	00	—	28	84	.94

Hygrograph: 58.5 at 1.45 pm — Air Temp = 80.0 F

W.B. = 11.8 C D.B. = 21.2 C

Tues. Oct 21, 1913

Sky 4 Cu Ci S L.O.Ob

Sun clear at start

9	34	20	Shd	17.90	Air T = 68.0 AT	
	36	00	—	18.00	-0.10	
		20	Eff	18.61	3.51 + 0.16	= 3.67
	38	00	—	22.12		
		20	Shd	22.10	0.42	
	40	00	—	21.68		
		20	Eff	22.22	3.00 + 0.65	= 3.65
	42	00	—	25.22		3.66
		20	Shd	25.19	0.88	
9	44	00	—	24.31	Air T = 70.0 AT	

Hygrograph = 57.5 at 9:46

Wet B = 10.3 C. Dry B = 20.4 C

Sky somewhat variable during above set.

Wed Oct. 22, 1913

Sky 5 Cu Cirr South L.C.Obs

Sun clear.

10 42 20 Shd 17.78 Air T = 70.0 F

44 00 — 17.88 −0.10

20 Exp 18.40 3.84 + 0.17 = 4.01

46 00 — 22.24

20 Shd 22.22 0.44

48 00 — 21.78

20 Exp 22.42 3.30 + 0.69 = 3.99

50 00 — 25.72 4.00

20 Shd 25.65 0.94

10 52 00 — 24.71 Air T = 74.0 F

Hygrograph = 59.0 at 10:54

Wet B = 10.3 C. Dry B = 19.4 C.

Thurs Oct. 23, 1913

Sky: Cu Ci Scatt. L.C.Obs.

1	42	20	Shd	18.13	Air T = 73.0 F.
	44	00	—	18.22	−0.09
		20	Eff	19.00	3.53 + 0.155 = 3.685
	46	00	—	22.53	
		20	Shd	22.50	0.40
	48	00	—	22.10	
		20	Eff	22.50	3.18 + 0.55 = 3.73
	50	00	—	25.68	3.708
		20	Shd	25.60	0.70
1	52	00	—	24.90	Air T = 79.0 F.

Hygrograph = 65.0 at 1:55

Wet B = 11.0 C. Dry B = 17.6 C.

Sat. Oct. 25, 1913

Sky #1 Cu horz

9 22	20	Shd	16.18	Air T = 18.4 C	
24	00		16.23	−0.05	
	20	Exp	16.98	3.79 + 0.26	= 4.05
26	00	—	20.77		
	20	Shd	20.72	0.57	
28	00	—	20.15		
	20	Exp	20.78	3.34 + 0.765	= 4.105
30	00	—	24.12		4.078
	20	Shd	23.96	0.96	
9 32	00	—	23.00	Air T = 20.0 C	

Hygrograph = 68.5 at 9:34

Sky 2 Cu horz.

10 33	20	Shd	18.70	Air T = 18.0 C	
35	00	—	18.68	0.02	
	20	Exp	19.40	3.72	+0.33 = 4.05
37	00	—	23.12		
	20	Shd	23.08	0.64	
39	00	—	22.44		
	20	Exp	23.00	3.28	+0.91 = 4.19
41	00	—	26.28		4.12
	20	Shd	26.18	1.18	
10 43	00	—	25.00	Air T = 19.0 C.	

Hygrograph = 69.5 at 10.45

Wet B = 11.4 C.
Dry B = 17.6 C.

Wed. Oct 29, 1913

Sky 2 Cu horz
⊙ clear

9 37 20 Shd 16.32 Air T = 18.4 C
39 00 — 16.38 -0.06
20 Eff 17.02 3.76 + 024 = 4.00
41 00 — 20.78
20 Shd 20.78 054
43 00 — 20.24
20 Eff 20.82 3.22 + 0.69 = 3.91
45 00 — 24.04 3.955
20 Shd 23.92 0.84
9 47 00 — 23.08 Air T = 20.8 C
Hygrograph = 528 at 9:48
Wet B = 10.7 C.
Dry B = 18.8 C. Obs. by C.W.

9 47 20 Shd 22.80 Air T = 21.0 C
49 00 — 22.24 0.56
20 Eff 22.57 3.30 + 0.73 = 4.03
51 00 — 25.88 0.90
20 Shd 25.62
53 00 — 25.72
20 Eff 25.12 2.90 + 1.11 = 4.01
55 00 — 28.02 4.02
20 Shd 27.88 1.32
9 57 00 — 26.56 Air T = 21.0 C

Hygro = 51.5 at 1000

Fri. Oct 31, 1913

C.G.Abt.

Sky 3 Cirist Scattd ☉ clear

9 21 20 Shd. 16.04 air T = 19.0 C.
23 00 — 16.12 - 0.08
" 20 Exp 16.72
25 00 — 20.34 3.62 + 0.19 = 3.81
20 Shd 20.28 0.46
27 00 — 19.82
20 Exp 20.32 3.36 + 0.76 = 4.12
29 00 — 23.68 3.965
20 Shd 23.60 1.00
9 31 00 — 22.60 Air T = 20.0 C.

Hazy near Sun

see note below

Hygrograph = 50.0 at 9:32

~~Wet B =~~

~~Dry B =~~

9 31 20 Shd 22.42 Air T = 20.0 C
33 00 — 21.62 0.80
20 Exp 22.10 3.12 + 0.93 = 4.05
35 00 — 25.22
20 Shd 25.08 1.06
9:37 00 — 24.02
20 Exp 24.48 2.48 + 1.17 = 3.65
39 00 — 26.96 3.85
20 Shd 26.80 1.28
9 41 00 — 25.52 Air T = 20.8 C

~~Sky Variable~~

Put best repeat obs.

Hygrog = 51.0 at 9:43

Wet B = 9.0 C.
Dry B = 17.8 C.

Oct 31, 1913

Sky 2 Ci Cu Scatt — L.C. Abbott

⊙ clearer than in earlier obtts.

11	19	20	Shd	17.27	Air T = 18.6 C
	21	00	—	17.22	0.05
		20	Eiff	17.97	3.95 + 0.345 = 4.295
	23	00	—	21.92	
		20	Shd	21.92	0.64
	25	00	—	21.28	
		20	Eiff	21.92	3.56 + 0.82 = 4.38
	27	00	—	25.48	4.338
		20	Shd	25.42	1.00
11	29	00	—	24.42	Air T = 20.4 C

Hygrograph = 52.0 at 11.31

Sky 2 S cirr Scatt ⊙ clear. — L.C. Abbott

2	22	20	Shd	17.80	Air T = 19.8 C
	24	00	—	17.78	0.02
		20	Eiff	18.50	3.72 + 0.29 = 3.99
	26	00	—	22.22	
		20	Shd	22.12	0.56
	28	00	—	21.~~88~~56	
		20	Eiff	22.18	3.20 + 0.78 = 3.98
	30	00	—	25.38	3.985
		20	Shd	25.28	1.00
2	32	00		24.28	Air T = 21.2 C

This the first observation so far today
Sun free from clouds

Hygrograph = 54.0 at 2:34

Wet B = 10.0 C
Dry B = 17.6 C

C for C

13 days.
250 obs.

Sat Nov 1, 1913

Sky 25 Cms Hoz. LC Ab.
Θ clear windy

12	45 20	Shd	17.22	Air T = 21.8C
	47 00		17.32	−0.10
	20	Exp	18.02	4.18 + 0.18 = 4.36
	49 00		22.20	
	20	Shd	22.22	0.46
	51 00		21.76	
	20	Exp	22.46	3.62 + 0.74 = 4.36
	53 00		26.08	4.36
	20	Shd	26.44	1.02
12	55 00		25.42	Air T = 23.0 C.

Hygrograph = 48.5 at 12:57
Wet B = 9.0C. Dry B = 18.5C.

Sat. Nov. 8, 1913

AC Obs.

Sky = Cu Cis Scatt / ☉ clear /

10 12 20	Shd	17.10		Air T = 19.0 C
14 00	—	17.12	−0.02	
20	Exp	17.84	4.02	+0.28 = 4.30
16 00	—	21.86		
20	Shd	21.92	0.58	
18 00	—	21.34		
20	Exp	22.12	3.34	+0.79 = 4.13
20 00	—	25.46		4.215
20	Shd	25.38	1.00	
10 22 00	—	24.38		Air T = 23.0 C.

Hygrograph = 45.5 at 10:24

Wet B = 10.2 C. Dry B = 20.4 C.

Friday Nov 14th 1913

Sky Cu Ci S 5 Scatt   MO Obs
Sun clear   Windy   Air Temp = 28.0 C

1	03 20	Shad	18 80	
	05 00	—	19 14	− 34
	05 20	Exp	19 82	
	07 00	—	24 00	$4.18 - \overset{5}{\cancel{10}} = 4.\overset{13}{\cancel{08}}$
	07 20	Shad	24 12	
	09 00	—	23 88	.24
	09 20	Exp	24 26	
	11 00	—	27 82	3.56 + .50 = 4.06
	11 20	Shad	27 84	4.095
	13 00	—	27 08	.26

Hygrograph = 47.5 at 1.18 pm.   Air Temp = 27.7 C
Wet Bulb - 10.4 C   Dry Bulb - 20.0 C

Sun Nov. 16, 1913

Sky 4 Cu cirs South L.B. Ald.

⊙ Clear.

9 11	20	Shd	16.80	air T = 18.0 C.
13	00	—	16.90	-0.10
	20	Eff	17.60	3,80 +0.23= 4,03
15	00	—	21.40	
	20	Shd	21.38	0.56
17	00	—	20.82	
	20	Eff	21.42	3.38 +0.77 = 4.15
19	00	—	24.80	4.09
	20	Shd	24.74	0.98
9 21	00	—	23.76	air T = 19.6 C.

Hygrograph = 55.5 at 9:22

Wet B = 11.7 C. Dry B = 20.7 C.

Mon Nov. 17, 1913

Sky 4 Cu Cir ~~Scatt~~ Sun clear C.G.A.

8 47	20	Shd	16.84	Air T = 18.0 C
49	00	—	16.86	-0.02
	20	Eff	17.50	3.70+026 = 3.96
51	00	—	21.20	
	20	Shd	21.20	0.54
53	00	—	20.66	
	20	Eff	21.28	3.12 +074 = 3.86
55	00	—	24.40	3.91
	20	Shd	24.36	0.94
8 57	00	—	23.42	Air T = 19.0 C.

Hygrograph = 57.5 at 9 00
Wet B = 13.3 C. Dry B = 20.9 C.

Sky 6 Cu Scatt ☉ clear at ~~start~~ C.G.A.

10:33	20	Shd	18.44	Air T = 20.0 C
35	00	—	18.52	-0.08
	20	Eff	19.22	3.86 + 0.23 = 4.09
37	00	—	23.08	
	20	Shd	23.04	0.54
39	00	—	22.50	
	20	Eff	23.04	3.38 + 0.72 = 4.10
41	00	—	26.42	4.095
	20	Shd	26.34	0.90
10 43	00	—	25.44	Air T = 21.5 C

Hygrograph = 55.0 at 10:45

Tues. Nov. 18, 1913

Sky x Ci Cu Scatt Sun clear

8 33	20	Shd	17.30	Air T = 17.5 C	
35	00	—	17.33	−0.03	
	20	Eff	18.01	3.82 + 0.285 = 4.105	
37	00	—	21.83		
	20	Shd	21.81	0.60	
39	00	—	21.21		
	20	Eff	21.90	3.22 + 0.80 =	4.02
41	00	—	25.12		4.062
	20	Shd	25.03	1.00	
43	00	—	24.03	Air T = 19.0 C	

Hygrograph = 57.5 at 8:45
Wet B = 11.1 C. Dry B = 19.9 C.

Sky 3 Cu Scatt ☉ clear

10 37	20	Shd	18.50	Air T = 20.5 C	
39	00	—	18.56	−0.06	
	20	Eff	19.31	3.96 + 0.235 = 4.195	
41	00	—	$2\overset{3}{2}.27$		
	20	Shd	23.24	0.53	
43	00	—	22.71		
	20	Eff	23.31	3.47 + 0.78 =	4.25
45	00	—	26.78		4.222
	20	Shd	26.70	1.03	
10 47	00	—	25.67	Air T = 22.5 C	

Hygrograph = 56.2 at 10:49

Tues. Nov. 25, 1913

Sky = Scs NEOE. ⊙ clear

11 08 20 Shd 16.68 ~~B~~ T = 19.0 C
10 00 — 16.78 -0.10
20 Exp 17.50 4.16 + 024 = 4.40
12 00 — 21.66
20 Shd 21.58 0.58
14 00 — 21.00
20 Exp 21.70 3.66 + .82 = 4.48
16 00 — 25.36 1.06 4.44
20 Shd 25.16
11 18 00 — 24.10 air T = 20.0 C

Hygrograph = 54.5 at 11:20
wet B = 11.8 C
Dry B = 19.0 C.

Wed Nov 26, 1913

Sky ∆' Cu Ci hazy ⊙ clear   F.E.F.

11 00 20	Shd	16.74		Air T = 18.5 C
02 00	—	16.80	−0.06	
20	Eff	17.50	4.10 +0.27	= 4.37
04 00	—	21.60		
20	Shd	21.60	0.60	
06 00	—	21.60		
20	Eff	21.61	3.50 +0.835	= 4.335
08 00	—	25.11		4.352
20	Shd	25.07	1.07	
11 10 00	—	24.00		Air T = 19.5 C.

Hygro = 52.5

Wet B = ~~19~~ 12.0 C

Dry B = 19.0 C

Sky 3 S Cu Ci 1.3.4 Scud (Windy) ⊙ clear   F.E.F.

1 36 20	Shad	17 90		Air Temp = 19.0 C
38 00	—	17 94	−04	
38 20	Eff	18 54		
40 00	—	22 58	4.04 + .28 = 4.32	
40 20	Shad	22 60		
42 00	—	22 60	.60	
42 20	Eff	22 60		
44.00	—	25 92	3.32 + .8~~8~~3 = 4.15	
44 20	Shad	25 90		4.2~~8~~35
46 00	—	24 84	1.06	

Air Temp = 22.5

Hygrograph at 1:50 pm = 53.0

Thurs. Nov 27, 1913 (Thanksgiving Day)

Sky 1 Cu Ci hazy. L.C. Obs.

O clear

9 46 20 Shd 16.62 Air T=18.4 C

48 00 — 16.72 −0.10

4 20 Exp 17.60 4.02+0.20=4.22

50 00 — 21.62

20 Shd 21.70 0.50

52 00 — 21.20

20 Exp 21.88 3.52 +0.71 = 4.23

54 00 — 25.40 4.225

20 Shd 25.40 0.92

9 56 00 — 24.48 Air T= 18.8 C.

Hygrograph = 48.0

Wet B= 10.4 C. } at 9.52

Dry B = 18.2 C.

---

1 38 20 Shd 17.33 Air T=19.6 C

Sky 1 Cu hazy 40 00 — 17.41 −0.08

20 Exp 18.10 3.96+0.26 = 4.~~16~~ 22

O clear. 42 00 — 22.06

L.C. Obs. 20 Shd 22.05 0.60

44 00 — 21.45

20 Exp 22.12 3.48 +0.76 = 4.24

46 00 — 25.60 4.23

20 Shd 25.60 0.92

1 48 00 — 24.68 Air T=23.0 C.

Hygrograph = 50.5

Nov. 27. 1913

Sky 2 Cu Ci Scat ☉ clear

3 42 20 Shd 18.06 Air T = 19.0 C
44 00 — 18.08 −0.02
20 Exp 18.82 3.31 + 0.27 = 3.58
46 00 — 22.13
20 Shd 22.12 0.56
48 00 — 21.56
20 Exp 22.10 2.84 + 0.74 = 3.58
50 00 — 24.94 3.58
20 Shd 24.80 0.92
3 52 00 — 23.88 Air T = 20.5 C
Hygrograph = 53.8

~~1 ~~08~~ 10 20 Shd 16 ~~72~~ 50 Air T = 18.5 C~~
~~1 ~~0~~ 2 —~~
~~Exp~~
~~1 ~~2~~ 4 —~~
~~Shd~~
~~1 ~~4~~ 6 —~~
~~Exp~~
~~1 ~~6~~ 8 —~~
~~Shd~~
~~1 ~~18~~ 20 00 —~~

Fri Nov. 28, 1913

L.C.Obs.

Sky 3 Ci Cis/Scatt 0 clear.

1 10 20 Shd 16.50 air T = 18.5 C
12 — 16.60 − 0.10
Exp 17.32 4.08 + 0.19 = 4.27
14 — 21.40
Shd 21.38 0.48
16 — 20.90
Exp 21.58 3.60 + 0.73 = 4.33
18 — 25.18
4.30
Shd 25.10 0.98
1 20 — 24.12 air T = 21.0 C.

~~0~~ Hygrograph = 45.5
Wet B = 10.83 C.
Dry B = 19.23 C.

3 32 20 Shd 18.20 air T = 20.5 C
34 — 18.26 − 0.06
Exp 19.00 3.48 + 0.25 = 3.73
36 — 22.48
Shd 22.42 0.56
38 — 21.86
Exp 22.40 3.00 + 0.70 = 3.70
40 — 25.40
3.715
Shd 25.27 + 0.84
3 42 — 24.43 air T = 22.0 C

Sky Cu Cs 1/ wit Scatt
0 clear.

Hygrograph =

Stat. Nov. 29, 1913

Sky clear LCObs

9 32 20 Shd 15.58 Air T = 16.8C
34 00 — 1~~4~~5.62 -0.04
20 Exp 16.33 4.09 + 0.28 = 4.37
36 00 — 20.42
20 Shd 20.42 0.60
38 00 — 19.82
20 Exp 20.~~4~~2 3.56 + 0.80 = 4.36
40 00 — 23.98 4.365
20 Shd 23.84 1.00
9 42 00 — 22.84 Air T = 17.6C

Hygrograph = 475

Wet B = 10.3C Dry B = 17.9 C.

Sky G Sln ⊙ clear Very windy Do Obs
1 33 20 Shad 17 00 Air Temp = 20.0C
35 00 — 17 08 -.08
35 20 Exp 17 80
37 00 — 21 80 4.00 + .235 = 4.235
37 20 Shad 21 85
39 00 — 21 30 .55
39 20 Exp 21 92
41 00 — 25 64 3.72 + .79 = 4.51
41 20 Shad 25 08
43 00 — 24 55 1.03

Reject

Sat Nov 29th 1913

Sky S Cu 3 1-3 Scatt ⊙ Clear Very windy

1 46 20	Shad	23	~~30~~ 38		Air Temp = 22.5 C
48 00	—	22	72	.46	
48 20	Exp	23	20		
50 00	—	26	70	3.50 + .69 = 4.19	
50 20	Shad	26	62		
52 00	—	25	70	.92	
52 20	Exp	26	22		
54 00	—	29	30	3.12 + 1.10 = 4.22	
54 20	Shad	29	14		4.205
56 00	—	27	86	1.28	

Air Temp = 21.5 C

Hygrograph = 46.0 at 2:00 pm

Sun. Nov. 30, 1913.

L.C. Obs.

Sky 4 Ci Cis Ccu Scatt ☉ clear
1 33 20 Shd 17.00 Air T = 200 C
35 00 — 17.08 − 0.08
20 Exp. 17.88 4.10 + 023 = 433
37 00 — 21.98
20 Shd 21.96 0.54
39 00 — 21.42
20 Exp 22.08 3.54 + 0.77 = 4.31
41 00 — 25.62 4.32
20 Shd 25.50 1.00
1 43 00 — 24.50 Air T = 21.8 C.

Hygrograph = 55.0 at 1:45
Wet B = 11.8 C. Dry B = 19.9 C.

L.C. Obs.

Sky 3 Ci Cu Scatt ☉ clear at start.
3 31 20 Shd. 18.50 Air T = 226 C
33 00 — 18.58 − 0.08
20 Exp 19.32 3.66 + 0.27 = 3.93
35 00 — 22.98
20 Shd 22.96 062
37 00 — 22.34
20 Exp 22.90 3.14 + 0.81 = 395
39 00 — 26.04 394
20 Shd 25.90 1.00
C for C 3 41 00 — 24.90 Air T = 25.6 C
Hygrograph = 55.5 at 3:43

Mon Dec 1, 1913.

Sky 0 LCOb

9 43 20 Shd 15.80 air T = 17.2 C
45 00 — 15.87 −0.07
20 Exp 16.65 4.19 + 0.28 = 4.47
47 00 — 20.84
20 Shd 20.85 0.63
49 00 — 20.22
20 Exp 20.91 3.62 + 085 = 4.47
51 00 — 24.53 447
20 Shd 24.47 1.07
9 53 00 — 23.40 air T = 19.0 C
Hygrograph = 46.2 at 9:55
Wet B = 10.2 C. Dry B = 19.5 C.

LCOb

Sky/Ci
Scatt horz

1:15:20 Shd 17.10 air T = 20.5 C
17 00 — 17.20 −0.10
20 Exp 18.00 4.18 + 0.21 = 4.39
19 00 — 22.18
20 Shd 22.13 0.52
21. 00 — 21.61
20 Exp 22.30 3.64 + 0.72 = 4.36
23 00 — 25.94 4375
20 Shd 25.80 0.92
25 00 — 24.88 air T = 24.0 C

Hygrograph = 45.0 at [illegible] 1.27

Dec. 1, 1913

Sky / Cu bory 0 clear LCObs

3 31	20	Shd	18.54	Air T = 20.8 C	
33	00	—	18.59	−0.05	
	20	Exp	19.20	3.73 +0.25 = 3.98	
35	00	—	22.93		
	20	Shd	22.93	0.55	
37	00	—	22.38		
	20	Exp	22.94	3.17 +0.78 = 3.95	
39	00	—	26.11		3.965
	20	Shd	25.98	1.01	
3 41	00	—	24.97	Air T = 23.0 C	

Hygrograph = 47.5 at 3 43

Tues Dec. 2, 1913.

Sky 0 T.C. Obs

10	37 20	Shd	16.00	Air T = 19.4 C
	39 00	—	16.04	-0.04
	20	Exp	16.83	4.25+0.27 = 4.52
	41 00	—	21.08	
	20	Shd	21.06	0.58
	43 00	—	20.48	
	20	Exp	21.13	3.87 + ~~.81~~ 0.76 = 4.63
	45 00	—	25.00	4.58
	20	Shd	24.92	-0.94
10	47 00	—	23.98	Air T = 20.8 C

Wet B = 10.4 C Dry B = 22.2 C

Hygrograph = 35.5.

Sky 0 DO Obs

Air Temp = 21.5 C

1	38 20	Shad	17 60	
	40 00	—	17 69	-.09
	40 20	Exp	18 40	
	42 00	—	22 50	4.10 + .21 = 4.31
	42 20	Shad	22 60	
	44 00	—	22 07	.53
	44 20	Exp	22 70	
	46 00	—	26 28	3.58 + .71.5 = 4.295
	46 20	Shad	26 20	4.30
	48 00	—	25 36	90

Hygrograph = 40.5 at 1.50 pm Air Temp = 25.0 C

Tues Dec 2nd 1913

Looks

Sky 0 clear

3 41 20	Shad	18.90			Air Temp: 22.0 C
43 00	—	18 90	00		
43 20	Exp	19 60			
45 00	—	23 26	3.66 + 34 = 4 00		
45 20	Shad	23 30			
47 00	—	22 72	.68		
47 20	Exp	23 30			
49 00	—	26 40	3.10 + .85 = 3.95		
49 20	Shad	26 34		3 975	
51 00	—	25 32	1.02		

Hygrograph = 38.5 at 3:55 pm Air Temp = 22.0 C

Wed. Dec. 3, 1913

Sky 2 Ci Ci S Cu Scatt ☉ clear F.E.F.

Very windy

1 33 20 Shd 17.32 Air T = 20.6 C
35 00 — 17.40 −0.08
37 20 Exp 17.92 4.07 +0.21 = 4.28
37 00 — 21.99
37 20 Shd 22.00 0.50
39 00 — 21.50
20 Exp 22.18 3.52 +0.73 = 4.25
41 00 — 25.70 4.265
20 Shd 25.60 0.96
1 43 00 — 24.66 Air T = 23.5 C
Hygrograph = 48.0 at 1 45
Wet B = 10.4 C.
Dry B = 19.4 C.

Sky 3 Ci Ci S Cu Scatt ☉ clear

3 31 20 Shd 18.70 Air T = 19.6 C
33 00 — 18.72 −0.02
20 Exp 19.32 3.56 +0.25 = 3.81
35 00 — 22.88
20 Shd 22.82 0.52
37 00 — 22.30
20 Exp 22.72 2.98 +0.73 = 3.71
39 00 — 25.70 3.76
20 Shd 25.62 0.94
3 41 00 — 24.68 Air T = 23.4 C

Hygrograph = 47.5 at 3 43

Thurs. Dec. 11, 1913

P.C. Obs.

Sky clear.

10 05 20	Shd	16.54			Air T = 17.5 C.
07 00	—	16.60	− 0.06		
20	Eff	17.40	4.11	+028	= 4.39
09 00	—	21.51			
20	Shd	21.55	0.62		
11 00	—	20.93			
20	Eff	21.56	3.54	+ 0.86	= 4.40
13 00	—	25.10			= 4.395
20	Shd	25.01	1.10		
10 15 00	—	23.91			Air T = 18.8 C.

Hygrograph = 45.5

Wet B = 9.9 C. Dry B = 19.2 C.

Sky 2 Ci Cist hor. P.C. Obs.

1 30 20	Shd	17.47			Air T = 20.5 C
32	—	17.48	− 0.01		
	Eff	18.24	4.12	+0.275	= 4.395
34	—	22.36			
	Shd	22.38	0.56		
36	—	21.82			
	Eff	22.38	3.56	+07~~8~~9	= 4.35
38	—	25.94			4.372
	Shd	25.72	1.02		
1 40	—	24.70			Air T = 21.8 C

Hygrograph = 47.0

Dec 11, 1913.

Sky 2 Cu Scatt. CGA

☉ clear

3 56 20	Shd	18.58	Air T = 19.5 C
58 00	—	18.56	0.02
20	Eff	19.20	3.30 + 0.28 = 3.58
4 00 00	—	22.50	
20	Shd	22.52	0.54
02 00	—	21.98	
20	Eff	22.52	2.78 + 0.75 = 3.53
04 00	—	25.30	3.555
20	Shd	25.22	0.96
06 00	—	24.26	Air T = ~~[illegible]~~ 20.5 C

Hygrograph = 58.5 at 4:08

Fri. Dec. 12, 1913

Sky 2 Ci Cis thin Scatt. L.C. Obs
⊙ clear

~~9 29 20 Shd 16.40~~ Air T = 15.8 C
31 20 Shd 16.44
33 00 — 16.48 -0.04
33 20 Eff 17.30 4.10 + 0.31 = 4.41
35 00 — 21.40
35 20 Shd 21.60 0.66
37 00 — 20.94
37 20 Eff 21.62 3.56 + 0.90 = 4.46
39 00 — 25.16 4.435
39 20 Shd 25.00 1.14
41 00 — 23.86 Air T = 16.5 C
Hygrograph = 46.2
Wet B = ~~7~~8.6 C. Dry B = 17.4 C.

2)7.11
3.555

2)8.58
4.29

Sky clear

1 11 20 Shd 17.30 Air T = 19.5 C
13 00 — 17.34 -0.04 L.C. Obs
20 Eff 17.60
15 00 — 21.70 4.10 + 0.24 = 4.34
20 Shd 21.68 0.52
17 00 — 21.16
20 Eff 21.72 3.58 + 0.78 = 4.36
19 00 — 25.30 4.35
20 Shd 25.21 1.04
1 21 00 — 24.17 Air T = 20.8 C

Hygrograph = 48.0

Dec 12, 1913 L.C.Ob

2 Cu Ci hazy

O clear

3	23	20	Shd	18.94		Air T = 19.5 C
	25	00	—	18.92	0.02	
		20	Exp	20.05	3.40 + 0.33	= 3.73
	27	00	—	23.45		
		20	Shd	23.42	064 ~~0.70~~	
	29	00	—	22.78		
		20	Exp	23.24	2.88 + 0.84	= 3.72
	31	00	—	26.12		3.725
		20	Shd	26.04	1.04	
3	33	00	—	25.02		Air T = 21.5 C.

Hygrograph = 58.0

Sat. Dec. 13, 1913

Shy 4 Ci Cl Scatt L. C. Obs.

☉ clear

1 13 20 Shd 17.00 Air T = 21.0 C
15 00 — 17.12 − 0.12
20 Eff 17.82 4.02 + 0.22 = 4.24
17 00 — 21.84
20 Shd 21.86 0.56
19 00 — 21.30
20 Eff 21.80 3.4~~7~~8 + 0.77 = 4.25
21 00 — 25.28 4.245
20 Shd 25.80 0.98
1 23 00 — 24.82 Air T = 21.8 C.

Hygrograph = 60.5
Wet B = 11.5 C. Dry B = ~~21.8~~ 18.3 C.

~~2 21 20 Shd 17.61 Air T = 21.2 C~~
~~23 00 — 17.64~~
~~20 Eff 18.32~~
Shy 2 Ci Cl Scatt ☉ clear
~~25 00 —~~
~~00 Shd~~
~~27 —~~
Eff
29 —
~~Shd~~
~~2 31 —~~

Sun Dec. 14. 1913

Shy 1 Cicis Scatt C.G. Abbot

10 16 20 Shd 16.28. Air T = 17.5 C

18 00 — 16.32 - 0.04

20 Eff 17.04 4.16 + 0.29 = 4.45

20 00 21.20

20 Shd 21.19 0.6^{2}

22 00 — 20.57

20 Eff 21.26 3.62 + 0.87 = 4.49

24 00 24.88 4.47

20 Shd 24.73 1.1^{2}

10 26 00 — 23.61 Air T = 18.8 C.

Hygrograph = 57^{2} at 10:28

Wet B. = 11.0 C. Dry B = 19.0 C.

C.G. Abbot

Shy 2 Cicis Scatt ☉ clear

2 21 20 Shd 17.61 Air T = 21.2 C

23 00 — 17.64 - 0.03

20 Eff. 18.32 3.78 + 0.25 = 4.03

25 00 22.10

20 Shd 22.08 0.53

27 00 — 21.55

20 Eff 22.12 3.30 + 0.74 = 4.04

29 00 25.42 4.035

20 Shd 25.31 0.95

2 31 00 — 24.36 Air T = 22.5 C.

Hygrograph = 60.0

~~Fri Wed Dec 17, 1913~~

Sky 3 Ci Cu Scatt P.C. Obs
⊙ clear

~~9 24 20 Shd ~~16.80~~ Air T = 18.3 C~~
~~26 — 16.84~~
~~Exp 17.08~~ Shutter closed
~~28~~

9 22 20 Shd 17.22 Air T = 18.6 C
24 00 — 17.26 − 0.04
20 Exp 17.94 3.82 + 0.29 = 4.11
26 00 — 21.76
20 Shd 21.78 0.62
28 00 — 21.16 ~~Air T = C.~~
20 Exp 21.42 3.32 + 0.78 = 4.10
30 00 — 24.74 4.105
20 Shd 24.63 0.94
32 00 — 23.69 Air T = 20.0 C.

Hygrograph = 58.8 at 9:38
Wet B = 12.2 C. Dry B = 19.4 C
P.C. Obs.

10 22 20 Shd 18.96 Air T = 19.4
24 00 — 18.94 0.02 Sky 2 Ci Cu Scatt.
20 Exp 19.66
26 00 — 23.48 3.82 + 0.32 = 4.14
20 Shd 23.43 0.62
Windy
28 00 — 22.81
20 Exp 23.42 3.22 + 0.87 = 4.09
30 00 — 26.64 4.~~1~~115
20 Shd 26.52 1.12
10 32 00 — 25.40 Air T = 20.2 C
Hygrograph = at 10:33

Friday Dec 19th 1913 HP Obs

Sky S a 3 Cu 5 1-4 Scatt⊙ clear Windy Air Temp = 22,0 C

1	48 20	Shad	17	84		
	50 00	—	17	91	-.07	
	50 20	Exp	18	60		
	52 00	—	22	55	3.95	+.225 = 4.175
	52 20	Shad	22	60		
	54.00	—	22	08	.52	
	54 20	Exp	22	67		
	56 00	—	26	18	3.51	+.79 = 4.30
	56 20	Shad	26	08		4.237
	57 00	—	25	14	1.06	Air Temp = 24.0 C

Hygrograph = 50.0 at 2.00 pm W.B = 11.4 C D.B = 20.6 C

Saturday Dec 20th/13

Sky 0. Air Temp. 19.5 C

9.3.20	Shd =	17.10	
9.5.00	—	17.25	—.15
9.5.20	Exp.	18.15	
9.7.00	—	21.80?,	3.65+.135=3.785
9.7.20	Shd	21.92	
9.9.00	—	21.50	.42
9.9.20	Exp	22.20	
9.11.00	—	25.86	3.66+.74=4.40
9.11.20	Shd	25.72	
9.13.00	—	24.78	1.06

Reject uncertain.

Hygrograph = 9.50 = 45.5 W.B. = 60 °F. D.B. = 69.3 °F.

Sky 1 Cu Hor. HPObs

10 39 20	Shad	18.95	Air Temp 20.5 C
41 00	—	18.95	.00
41 20	Exp	19 70	
43 00	—	23 72	4.02 ~~3.96~~ +.31 = 4.33 ~~4.27~~
43 20	Shad	23 72	
45 00	—	23 10	.62
45 20	Exp	23 65	
47 00	—	27 15	3.50+84 = 4.34
47 20	Shad	27 04	4.335
49 00	—	25.98	1.06 ~~Air Temp [illegible] C~~

Hygro = 49.0 at 10 50

Air Temp = 22.0 C

Saturday Dec 20th 1913   Bo Obs

Sky Cu Ci 1 hoz Windy

1 30 20 Shad 18 40   22.5 C Air Temp

32 00 — 18 50 -.10

32 20 Exp 19 15

34 00 — 23 16 ~~3.94~~ 4.01 +.21 = 4.31

34 20 Shad 23 16

36 00 — 22 64 .52

36 20 Exp 23 20

38 00 — 26 72 3.52 + 76 = 4.28

38 20 Shad 26 70   4.295

40 00 — 25 70 100

Hygrograph = 51.0 at 1:40 pm   23.8 Air Temp

Saturday Dec 20/13
Sky Op. CiCiS

4 - 16 20 Shd = 20. 70 Air Temp =
4. 18 00 20 82. - 12. 17.5 C.
18 20 Exp 20 94
20 00 21 20 - 26 + 6 = 32
20 20 Shd 21 20
22 00 21 00 - 0
22 20 Exp 21 50
24 00 22 50 - 1.00 + 14 = 114
24 20 Shd 22.48
26 00 22.20 - 28

Reject
uncertain

These readings are not reliable as thin clouds all around sun

Air Temp = 17.5 C

Hygro = 60.5 at 4.40 W.B = 55.0
D.B = 65.0

Sun. Dec. 21, 1913

L E Cobb

Sky. 1 Ci Cs Scatt ⊙ clear
9 29 20 Shd 1690 Air T = 19.0 C
31 00 — 1698 − 0.08
20 Exp 17.80 4.18 +0245 = 4425
33 00 — 21.98
20 Shd 21.90 0.57
35 00 — 21.33
20 Exp 21.96 3.64 +0.78 = 4420
37 00 — 25.60 4422
20 Shd 25.46, 0.99
9 39 00 — 24.47 Air T = 20.0 C
Wet B = 62.6 F
Dry B = 70.8 F
Hygrograph = 45.0

Sky Ci Cu 3 hor ⊙ clear Very windy AO Obs
1 29 20 Shad 18 48 Air Temp: 22.0 C
31 00 — 18.57 .09
31 20 Exp 19 32
33 00 — 23.30 3.98 + .20 = 4.18
33 20 Shad 23 39
35 00 — 22 90 .49
35 20 Exp. 23 51
37 00 — 27 00 3.49 + .76 = 4.22
37 20 Shad 26.95 4.20
39 00 — 25 98 .97 Air Temp = 22.3 C
Hygrograph = 50.5 at 1 50 pm

Tuesday Dec 23rd/13 k☉ Obs.

Sky as ci cu 6 scatt ☉ clear Air temp = 19.5 C

10	28	20	Shad	18	18	
	30	00	—	18	37	- 19
	30	20	Exp	19	18	
	32	00	—	23	16	3.98 + 13.5 = 4.215
	32	20	Shad	23	19	
	34	00	—	22	71	.48
	34	20	Exp	23	32	
	36	00	—	26	9.0	3.58 + .705 = 4.285 4.25
	36	20	Shad	26	81	Air Temp = 22.0 C
	38	00	—	25	88	.93

Hygrograph = 50.0 at 10.40 WB = 55.4 DB = 69.5

Sunday Dec 28th 1913

Sky			O clear		Air Temp: 18.3 C
9. 27	20	Shad	17 68		H.P. Obs
29	00	—	17 71	-.03	
29	20	Exp	18 40		
31	00	—	22 30	3.90 +.26 = 4.16	
31	20	Shad	22 33		
33	00	—	21 78	.55	
33	20	Exp	22 30		
35	00	—	25 70	3.40 +.775 = 4.175	
35	20	Shad	25 60		4.167
37	00		24 60	1.00	

Hygrograph: 57.5 at 9.44 Air Temp: 21.2 C

W. B = 128 C ~~A~~ D.B = 214 C

F.E. Obs

11 27	20	Shd	18.98		Air T = 20.5 C
29	00	—	19.02	-0.04	
	20	Exp	19.80	4.06 + 0 ~~24~~ 27 = 4.33	
31	00	—	23.86		
	20	Shd	23.86	0.58	
33	00	—	23.28		
	20	Exp	23.88	3.54 +080 = 4.34	
35	00	—	27.42		4.335
	20	Shd	27.30	1.02	
11 37	00	—	26.28	Air T = 21.8 C	

Sky 2
Ci Cu

Hygrograph = 55.0 at 11.38

Sunday Dec 28th 1913 HO Obs

Sky 4 Cu Ci ·2-5 Scatt 0 clear Very Windy

1 29 20. Shad 19 70 Air Temp = 20.4 C

31 00 — 19 72 -.02

31 20 Exp 20 45

33 00 — 24 33 3.88 + .255 = 4.135

33 20 Shad 24 33

35 00 — 23 80 .53

35 20 Exp 24 40

37 00 — 27 76 3.36 + .765 = 4.125

37 20 Shad 27 70 4.130

39 00 — 26 70 1.00

Hygrograph = 59.5 at 1.40 Air Temp = 26.0 C

Sky Cu Ci 3 0 Clear Windy HO Obs

3 44 20 Shad 20 00 Air Temp 21.0 C

46 00 — 20 02 -.02

46 20 Exp 20 68

48 00 — 24 10 3.58 + .24 = 3.82

48 20 Shad 24 10

50 00 — 23 60 .60

50 20 Exp 24 04

52 00 — 27 62 2.98 + .72 = 3.86

52 20 Shad 26 94 3.81

54 00 — 26 00 94

Hygrograph = 54.0 at 3.55 Air Temp = 25.4 C

Monday Dec 29th 1913 H° Obs

Sky 0

9 35 20 Shad 17 92 Air Temp = 20.4 C
37 00 — 18 00 -.08
37 20 Exp 18 70
39 00 — 22 80 4.10 + .245 = 4.345
39 20 Shad 22 83
41 00 — 22 26 .57
41.20 Exp 22 90
43 00 — 26 44 3.54 + .785 = 4.325
43 20 Shad 26 40 4.33
45 00 — 25.40 1.00

Hygrograph = 72.0 at 9.50 Air Temp: 23.2 C
W.B = 10.8 C D.B = 20.6 C

Sky 1 Cu horz. H° Obs

1 31 20 Shad 18 92 Air Temp = 21.0 C
33 00 — 19 00 -.08
33 20 Exp 19 74
35 00 — 23 74 4.00 + .24 = 4 24
35 20 Shad 23 75
37 00 — 23 19 .56
37 20 Exp 23 80
39 00 — 27 26 3.46 + .805 = 4.265
39 20 Shad 27 15 4.257
41 00 — 26 10 1.05

Hygrograph = 62.0 at 1:45 pm Air Temp = 25.3 C

Tuesday Dec 30th/13 Watch [illegible] =

Obs Corr
Air T = 17.5 C
Sky T Ci

8.59.20 =	17.25	Sha
9.01.00	17.28	− − 03
9.01.20	18.02	Exp
9.03.00	22.08	4.06 + 2~~8~~5 = 4.3~~4~~1
9.03.20	21.95	− Sha
9.05.00	21.42	Sha 0.53
9.05.20	22.10	Exp
9.07.00	25.55	− 3.45 + 79 = 4.24
9.07.20	25.45	Sha = 4.2~~1~~7 5
9.09.00	24.40	− 1.05

Hygrograph = 48.0 at 10.30

W B = 11 C
D. B = 20.2 C

Air T = 19.5

~~Air Temp 22.0 C~~

3	58	20	Shad	20	00	
4	00	00	—	20	07	-.07
	00	20	Exp	20	70	
	02	00	—	24	20	3.50
	02	20	Shad			
	04	00	—			
	04	20	Exp			
	06	00	—			
	06	20	Shad			
	08	00	—			

Air Temp: 23.0C

4	04	20	Shad	26	70	
	06	00	—	26	78	-.08
	06	20	Exp	26	27	
	08	00	—	28	90	2.63 + .57 = 3.20
	08	20	Shad	28	74	
	10	00	—	27	52	1.22
	10	20	Exp	27	97	
	12	00	—	30	30	2.33 + 1.135 = 3.465
	12	20	Shad	30	08	
	14	00	—	28	69	1.39

Reject
Sun probably
obscured by clouds at start

Tuesday Dec 30th 1913 Wo Obs

Sky 2 C 3 Cu hors.

Windy

Air Temp = 20.0 C

1 27 20 Shad 18.45
29 00 — 18.53 .08
29 20 Exp 19 30
31 00 — 23 40 4.10 + .205 = 4.305
31 20 Shad 23 29
33 00 — 22 80 .49
33 20 Exp 23 40
35 00 — 26 92 3.52 + .75 = 4.27

4.287

37 20 Shad 26 81
39 00 — 25.80 1.01

Air Temp: 25.3 C

Hygrograph: 54.5 at 1.40

Sky 3 C 5 Cu hor Scatt Windy

Air Temp 21.2 C

3 39 20 Shad 19 54
41 00 — 19 54 .00
41 20 Exp 20 24
43 00 — 23 81 3.57 + .195 = 3.765
43 20 Shad 23 78
45 00 — 23 19 .39
45 20 Exp 23 75
47 00 — 26 80 3.05 + .705 = 3.755

3.760

47 20 Shad 26 69
49 00 — 25 67 1.02

Air Temp 22.7 C

Hygrograph = 56.0 at 3.50

137

147

139

2.18

84

37 179

142

141

15

675 226 142

113 90

1415 175

2.05

183

156 .07 117

136 15 915

139

224

8.41
4.205 126

214

48

113

55 144125 56

271 2.03 45

118.31

3574
2192
3.72

135 112

32

187

224

445

205

79

197

372
4.5

132

181

135
2192
3.62

1829

158
79
2.22

113

335