KG
11365
769

1915phae.proj..770c

A

Log Book

of the

Arequipa Station

of the

H. C. O.

1915

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

KG 11365.1769

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c



John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Thurs. Jan 14, 1915

Shy 2 Cu Cis Scatd ○ clear LC Obs.

9	06	20	18.14	Shd.	air T = 19.2 C
	08	00	18.22	—	-0.08
		20	18.92	Exp	3.90 +0.265 = 4.165
	10	00	22.82	—	
		20	22.80	Shd	0.61
	12	00	22.19	—	
		20	22.78	Exp	3.38 +0855 = 4.215
	14	00	26.16	—	4.19
		20	26.08	Shd	1.10
9	16	00	27.98	—	air T = 19.8 C

Hygro = 42.0 at 9:14

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

KG 11365.769

HARVARD UNIVERSITY LIBRARY JUL 17 1956

877
436

98
52
150
75

86
44
130
65

413
419
832

416

96
48
144
72

620
21

94
56
150
75

354
369
723

361

90
48
138
69

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Thurs. Jan 14 1915

Sky Cs Cu 2 Scatt 0 clear Dp Obs

10	41 20	19 20	Shad		Air Temp: 20.0 C
	43 00	19 23	—	-.03	
	43 20	20 00	Exp		
	45 00	24 10	—	4.10 + .275 = 4.375	
	45 20	24 05	Shad		
	47 00	23 47	—	.58	
	47 20	24 16	Exp		
	49 00	27 65	—	3.49 + .80 = 4.29	
	49 20	27 53	Shad		4.333
	51 00	26 53	—	1.02	

Air V: 23.0 C
21.5 C

Hygro. = 39.5 at 10:53

W.B = 11.9 C
D.B = 22.3 C } 10.60

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Friday Jan 15th - 1915

Sky Cl Cs 2 Scatt 0 clear 760

9	37 20	Shad	18 00		Air 4.- 14.4 C
	39 00	—	18 06 - 06		
	39 20	Exp	18 87		
	41 00	—	22 88	4.01 + .30 = 4.31	
	41 20	Shad	22 81		
	43 00	—	22 15	.66	
	43 20	Exp	22 90		
	45 00	—	26 83	3.53 + .795 = 4.325	
	45 20	Shad	26 30	4.318	
	47 00	—	25 27	1.03	Air 4 = 21.4

Hygro = 35.5
W.B = 10.0
D.B = 22.8
} 10.00

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Fri. Jan 15th

Sky Clear 2 South Low Windy 20 Qff 2

10 37 20	Shad	19 80			Air. T = 21.6
39 00	—	19 80	00		
39 20	Eff	20 60			
41 00	—	24 62	4.02 + .32 = 4 34		
41 20	Shad	24 56			
43 00	—	28 92	.64		
43 20	Eff	24 64			
45 00	—	28 10	3.46 + .84 = 4 30		
45 20	Shad	27 92		4 32	
47 00	—	26 88	1.04		Air T = 24 0 C

22.8 C

Sky 90 = 39.0 at 10.52

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Wed. Jan 20, 1915

LC Obs

Sky 2 Ci Cis Cu hor. ○ clear.

8	52	20	Shd	18.38		Air T = 19.0 C
	54	00	—	18.38	0.00	
		20	Eff	19.12	3.84	+0.295 = 4.135
	56	00	—	22.96		
		20	Shd	22.96	0.59	
	58	00	—	22.37		
		20	Eff	23.00	3.24	+0.805 = 4.045
9	00	00	—	26.24		4.090
		20	Shd	26.16	1.02	
9	02	00	—	25.14		Air T = 20.2 C

Hygro = 42.0 at 9:04

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Wed Jan 20th 1915

Sky Calm 2 Scatto hwz

16	15 20	Shad	19 86		Air J: 20.4 C
	17 00	—	19 90	-04	
	17 20	Exp	20 70		
	19 00	—	24 66	9.96 + 285 = 4.245	
	19 20	Shad	24 60		
	21 00	—	23 99	61	
	21 20	Exp	24 71		
	23 00	—	28 00	3.29 + .815 = 4.105	
	23 20	Shad	27 80		4.17
	25 00	—	26 82	1.02	

Atygmo = 38.0 at 10:27

WB = 10.5
DB = 23.0 } 9.50

Air J: 24.0 C

22.2 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Tues Feb 2, 1915

L.C. Obs

Shy 2 Cu C Cu hazy clear

9	10	20	Shd	17.08	air T = 16.7 C
	12	00	—	17.08	0.00
		20	Exp	17.77	3.80 + 0.29 = 4.09
	14	00	—	21.57	
		20	Shd	21.49	0.58
	16	00	—	20.91	
		20	Exp	21.48	3.21 + 0.83 = 4.04
	18	00	—	24.69	4065
		20	Shd	24.60	1.08
9	20	00	—	23.52	air T = 19.4 C

Hygro = 55.5 at 9:22

36.1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Tuesday Feb 2nd 1915

Sky² Cu Cnds Cirro Strat Low

10 27 20	Shad	22 90		Air T: 19.0 C
29 00	—	22 31	+.59	
29 20	Elg	22 96		
31 00	—	26 31	3.35 + .835 = 4.185	
31 20	Shad	26 16		
33 00	—	25 08	1.08	
33 20	Elg	25 74		
35 00	—	28 57	2.83 + 1.255 = 4.085	
35 20	Shad	28 33		4.185
37 00	—	26 90	1.43	

Hygro = 51.0 at 10:47 WB = 13.0 C DB = 18.8 at 9:50

Air T = 19.0 C

19.0 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Tues Feb. 9, 1915

L.C.Ob

Shy 3 Cu Cis Scatt ⊙ clear

9	09	20	Shd	16.90	air T = 16.7 C
	11	00	—	16.95	-0.05
		20	Exp	17.62	3.78 +028 = 4.06
	13	00	—	21.40	
		20	Shd	21.39	0.61
	15	00	—	20.78	
		20	Exp	21.36	3.23 +0.82 = 4.05
	17	00	—	24.59	4.055
		20	Shd	24.50	1.03
9	19	00	—	23.47	air T = 16.6 C

Hygrograph 45.0 at 9:20

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Tues. Feb 9th 1915

Sky Cu Cilus 3-5 Scatt ⊙ clear

Wolbach

Air 4:18 C

10	22	20	Shad	18 47	
10	24	00	—	18 48	.01
	24	20	Ref	19 23	
	26	00	—	23 02	3.79 + .32 = 4.11
	26	20	Shad	22 97	
	28	00	—	22 32	.65
	28	20	Ref	22 98	
	30	00	—	26 23	3.25 + .865 4.115
	30	20	Shad	26 06	4.112
	32	00	—	24 98	1.08

Air 4 19 4 C

Hygro: 42.5
W. B = 12.0 } 10:14
D B = 19.4

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Wed. Feb. 10, 1915 ST

LC Obs.

Sky fair clear.

8	45	20	Shd	16.98	air T = 17.1 C
	47	00	—	17.02	−0.04
		20	Exp	17.48	3.14 + 0.26 = 4.00
	49	00	—	21.22	
		20	Shd	21.17	0.56
	51	00	—	20.61	
		20	Exp	21.16	3.31 + 0.83 = 4.14
	53	00	—	24.47	4.07
		20	Shd	24.32	1.10
8	55	00	—	23.22	air T = 18.0 C

Hygrograph. 46.5 at 8:56

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Wed. Feb 10th 1915

Sky Cu Cub 3 Seattle hor

10 27 20	Shad	18,3			Av V = 19.0 C
29 00	"	18 14	-.01		
29 20	Elg	18 92			
31 00	—	22 40	3.88	+.30 = 4.18	
31 20	Shad	22 75			
33 00	—	22 14	-.61		
33 20	Elg	22 82			
35 00	—	26 17	3.45	+.815 = 4.265	
35 20	Shad	26 02		4.222	
37 00	—	25 00	1.02		

Av V = 20.6 C

Zyg 10 = 45.0
W. B = 12.2
D - B = 19.5
} 10.39

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Thurs. Feb 11th 1915

Sky a cirri 3 scatt low

8	52	m	Shad	16 80	
	54	00	—	16 83	-.03
	54	m	Exp	17 60	
	56	00	—	21 33	$3.\frac{77}{67} + .235 = 3.965$
	56	m	Shad	21 28	
	58	00	—	20 78	50
	58	m	Exp	21 30	
9	00	00	—	24 57	$3.27 + .765 = 4.035$
	00	m	Shad	24 39	4.00 3.990
	02	00	—	23 36	103

Atygro = 55.0 at 5:03

Ips Obs

Air V = 19.0 C

Air V = 19.02

19.0 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Thurs. Feb 11th 1915.

Sky in Ech 5 Scatt Lore

10	32	20	Shad	18 11	
	34	00	—	18 12	.01
	34	20	Exp	18 90	
	36	00	—	22 78	3.88 + .31 = 4.19
	36	20	Shad	22 78	
	38	00	—	22 10	.63
	38	20	Exp	22 78	
	40	00	—	26 08	3.30 + .845 = 4.145
	40	20	Shad	25 90	4.168
	42	00	—	24 84	1.06

Hygro = 53.0 at 10.44
W. B. = 13.8C
D. B. = 19.8C } 10.00

Ap Obs.
Air T: 19.0C

Air T: 20.0C
19.5C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Mon. Mar 8. 1915

Sky Cloudy. LC Obs.

1	11	20	Shd	18.33		Air T = 21.6 C
	13	00	—	18.41	−0.08	
		20	Exp	19.18		
	15	00	—	23.27	4.09 + 0.185	= 4.275
		20	Shd	23.26		
	17	00	—	22.81	+ 0.45	
		20	Exp	23.39		
	19	00	—	27.01	3.62 + 0.67	= 4.29 / 4.282
		20	Shd	26.96	0.89	
1	21	00	—	26.07		Air T = 24.9 C 23.2

Hygro = 33.0 at 1:22

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Mon. Mar. 8th 1915

Sky: 1/2 Cu Hors

3 49 00 Shad 20 10

51 00 — 20 13 - .03

51 20 Eq 20 90

53 00 — 24 66 3.70 + .25 = 3.95

53 20 Shad 24 54

55 00 — 24 00 54

55 20 Eq 24 64

57 00 27 82 3.18 + .76 = 3.94

57 20 Shad 27 70 3.948

59 00 — 26 82 .98

Mean: 33.0 at 3.00

Air T: 21.8 C

Air T: 25.0 C

Mean: 23.2 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Thurs. Mar 11, 1915 P.C. Ob.

Shy 1Cn Ci Long.

8	24	20	Shd	17.33		Air T = 15.6 C
	26	00	—	17.39	-0.06	
		20	Exp	17.94	3.40 + 0.25	= 3.65
	4	00	—	21.34		
		20	Shd	21.29	0.56	
	30	00	—	20.73		
		20	Exp	21.26	2.91 + 0.71	= 3.62
	32	00	—	24.17		3.635
		20	Shd	24.12	086	
8	34	00	—	23.26		Air T = 16.3 C.

Hygro = 65.0 at 8:35

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Wed. Mar. 17, 1915

L.C. Ab

Sky 1 Cu Ci horiz.

7	52	20	Shd	16.89	Air T = 17.0 C
	54	00	—	16.90	-0.01
		20	Eff	17.53	3.31 +0.27 = 3.58
	56	00	—	20.84	
		20	Shd	20.85	0.55
	58	00	—	20.30	
		20	Eff	20.87	2.86 +0.735 = 3.595
	00	00	—	23.73	3.58 f
		20	Shd	23.54	0.92
8	02	00	—	22.62	Air T = 18.6 C

Hygro = 58.0 at 8:04

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Wed. Mar. 17, 1915

L.C.Abb

Shy 1 Cu hazy

9	50	20	Shd	17.88	Air T = 20.0 C
	52	00	—	17.92	−0.04
		20	Exp	18.68	3.73 + 0.245 = 3.975
	54	00	—	22.41	
		20	Shd	22.41	0.53
	56	00	—	21.88	
		20	Exp	22.88	3.29 + 0.705 = 3.995
	58	00	—	25.77	3.985
		20	Shd	25.66	0.88
10	00	00	—	24.78	Air T = 22.1 C

Hygro = 46.0
Wet B = 21.2
Dry B = 13.4
} 10.00

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Sat Mar 20, 1915. L.C. Ob.
Shy 2 Ci Cs long ⊙ apparently clear.

7	55	20	Shd.	22.62
	57	00	—	21.90
		20	Eff	22.20
	59	00	—	25.00
		20	Shd	24.89
8	01	00	—	23.81
		20	Eff	24.20
	03	00	—	26.61
		20	Shd	26.42
8	05	00	—	25.08

Air T = 18.6 C

0.72

2.50 + 0.90 = 3.40

1.08

2.41 + 1.21 = 3.62

3.66

1.34

Air T = 19.8 C

Mean Air T = 19.2

Probably the lightwires interfered somewhat.
Relocated instrument & will try another set.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Sat. Mar 20, 1915

F.C. Obs.

Sky 2 Ci Cs hor ⊙ apparently clear.

Hygro = 52.5 at 8:05 T

8	06	20	Shd	24.22	air T = 21.0 C
8	00	—		23.46	0.76
		20	Exp	23.80	2.80 + 1.01 = 3.81
	10	00	—	26.60	
		20	Shd	26.48	1.26
	12	00	—	25.22	
		20	Exp	25.72	2.50 + 1.34 = 3.84
	14	00	—	28.22	3.82 T
		20	Shd	28.03	1.42
8	16	00	—	26.61	air T = 21.0 C

Mean T = 21.0 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Sat Mar 20, 1915

Sky = Cirro hor. Ocean

9 38 20	Shd	18.98		Air T = 19.6 C	
40 00	—	18.97	0.01		
20	Exp	19.70	3.77	+0.305	= 4.075
42 00	—	23.47			
20	Shd	23.47	0.60		
44 00	—	22.87			
20	Exp	23.49	3.33	+0.79	= 4.12
46 00	—	26.82			4.098
20	Shd	26.70	0.98		
9 48 00	—	25.72		Air T = 22.0 C	

Mean T = 20.8

Hygro = 44.0
WB = 12.7 C
DewPt = 22.4 C

} 9:53

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Sun Mar 21, 1915

Shy 1 Ci Cis hor ⊙ apparently clear AC Alt.

>	32	20	Shd	17.61	Air T = 17.8 C
	34	00	—	17.75	0.14
		20	Exp	18.48	3.42 +0.305 = 3.725
	36	00	—	21.90	
		20	Shd	21.89	0.47
	38	00	—	21.42	
		20	Exp	21.88	2.94 +0.715 = 3.655
	40	00	—	24.82	3.69
		20	Shd	24.76	0.96
>	42	00	—	23.80	Air T = 19.2 C

Hygro = 50.0 at 7.43 Mean T = 18.5 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

March 21, 1915

Sky 1 Ci Cs Scattering. ACdh

⊙ clear

9	50	20	Shd	18.32	Air T = 20.0 C
	52	00	—	18.38	−0.06
	54	20	Exp	19.14	3.82 + 0.235 = 4.055
	54	00	—	23.00	
		20	Shd	23.03	0.53
	56	00	—	22.50	
		20	Exp	23.09	3.43 + 0.765 = 4.195
	58	00	—	26.52	4.125
		20	Shd	26.50	1.00
10	00	00	—	25.50	Air T = 22.4 C

Mean T = 21.2 C

Hygro 38.0
W B 11.1
D B 22.7
} at 10:00

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Thurs Mar. 25, 1915

LC Obs.

Shy 1 S wet horz. ⊙ clear

7	34 20	Shd	17.56	air T = 16.8 C
	36 00	—	17.60	−0.04
	20	Eff	18.30	3.40 + 0.29 = 3.69
	38 00	—	21.70	
	20	Shd	21.66	0.62
	40 00	—	21.04	
	20	Eff	21.64	2.78 + 0.79 = 3.57
	42 00	—	24.42	3.63
	20	Shd	24.23	0.96
7	44 00	—	23.27	air T = 20.2 C

Mean T = 18.5 C

Hygro = 56.0 at 7:44

8	29 20	Shd	18.30	air T = 18.2 C S hy clear
	31 00	—	18.32	−0.02
	20	Eff	18.96	3.62 + 0.315 = 3.935
	33 00	—	22.58	
	20	Shd	22.57	0.65
	35 00	—	21.92	
	20	Eff	22.52	3.10 + 0.86 = 3.96
	37 00	—	25.62	3.942
	20	Shd	25.49	1.07
	39 00	—	24.42	air T = 20.8 C

Mean T = 19.5 C

Hygro = 53.2 at 8:40.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Mar. 24, 1915.

R.C.dB

Shy 0

9	45	20	Shd	18.24	air T = 19.0 C
	47	00	—	18.14	0.00
		20	Eff	19.43	3.90 + 0.34 = 4.24
	49	00	—	23.33	
		20	Shd	23.30	0.68
	51	00	—	22.62	
		20	Eff	23.22	3.30 + 0.89 = 4.19
	53	00	—	26.52	4.215
		20	Shd	26.40	1.10
9	55	00	—	25.30	air T = 20.6 C

Hygro = 47.8 } Mean T = 19.8 C
W.B. = X } at 10:00
D.B. = X }

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

~~Hum.~~

Fri. Mar. 26, 1915 L.C. Ch.

Sky clear

1	40	20	Shd	19.47		air T = 25.2 C
	42	00	—	19.76	-0.29	
		20	Exp	20.58	4.16	+0.07 = 4.230
	44	00	—	24.74		
		20	Shd	24.85	0.43	
	46	00	—	24.42		
		20	Exp	25.16	3.52	+0.665 = 4.185
	48	00	—	28.68		4.208
		20	Shd	28.54	0.90	
	50	00	—	27.68		air T = 23.0 C

Hygro = 47.5 at 1:52 Mean air T = 24.1 C
W B 57.6 F
D B 69.8 F

Sky clear

4.	14	20	Shd	20.84		air T = 28.6 C
	16	00	—	20.86	-0.02	
		20	Exp	21.46	3.06	+0.25 = 3.31
	18	00	—	24.52		
		20	Shd	24.57	0.52	
	20	00	—	23.99		
		20	Exp	24.51	2.63	+0.71 = 3.34
	22	00	—	27.14		3.325
		20	Shd	26.98	0.50	
4	24	00	—	26.68		air T = 22.4 C

Hygro = 56.5 at 4.25 Mean T = 25.5 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Sat 1 Mar. 27, 1915

F. C. Ab.

Sky clear

2 11 20 Shd 18.88 Air T = 22.2 C

13 00 Exp 18.96 −0.08

20 Exp 19.68 3.98 +0.185 = 4.165

15 00 23.66

20 Shd 23.67 0.45

17 00 — 23.22

20 Exp 23.86 3.50 +0.68 = 4.180

19 00 — 27.36 4.172

20 Shd 27.56 0.91

2 21 00 — 26.65 Air T = 25.2 C

Mean T = 23.7 C

Hygro = 43.0 W.B. = 54.3 Ft dry B = 70.8 Ft at 2:25

Sky clear

3 43 20 Shd 20.58 Air T = 20.6 C

45 00 20.58 0.00

20 Exp 21.22 3.46 +0.30 = 3.76

47 00 — 24.68

20 Shd 24.68 0.60

49 00 — 24.08

20 Exp 24.64 2.89 + 0.80 = 3.69

51 00 — 27.53 3.725

20 Shd 27.47

3 53 00 — 26.47 1.00 Air T = 24.2 C

Mean T = 22.4 C

Hygro = 44.0 at 3:55

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1916phae.proj..7700

Mon. April 5, 1915

Sky clear

Eclipse

Air T = ——— C.

2	10	20	Shd	18.98	
	12	00	—	19.04	-0.10
	12	20	Exp	19.74	Air T = 23.0C
	14	00	—	23.64	3.90 + 019 = 4.09
	14	20	Shd	23.74	04
	16	00	—	23.30	
	16	20	Exp	23.89	3.49 + 0.69 = 4.18
	18	00	—	27.34	Air T = 24.4 C
	18	20	Shd	27.32	0.90 Mean T = 23.7 C
2	20	00	—	26.42	

Mean Value = 4.135

Hypso = 320 at 2:22

Sky clear

3	48	20	Shd	20.84	Air T = 24.4C
	50	00	—	20.86	0.02
		20	Exp	21.50	
	52	00	—	24.92	3.42 + 0.325 = 3.745
		20	Shd	24.96	0.63
	54	00	—	24.33	
		20	Exp	24.97	2.91 + 0.815 = 3.725
	56	00	—	27.88	3.735
		20	Shd	27.81	1.00
3	58	00	—	26.81	Air T = 26.0 C

Mean Air T = 25.2 C

Hypso = 320 } 4.05
Cor 13. = 52.2 ft
& 13. = 71.2 ft

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Sun April 18, 1915

Sky clear

1	55	20	Shd	19.27	Air T = 19.0 C
	57	00	—	19.39	−0.12
		20	Eff	20.18	4.02 +.010 = 4.12
	59	00	—	24.20	
		20	Shd	24.11	0.32
2	01	00	—	23.79	
		20	Eff	24.40	3.41 +.535 = 3.945
	03	00	—	27.81	4.032
		20	Shd	27.73	0.75
2	05	00	—	26.98	Air T = 27.6 C

Mean Air T = 24.0 C

Hygro = 32.5
WetB = 53.7 F } 2:07
DryB = 75.2 F

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae_proj...7700

Mon April 19, 1915

Sky clear

1 47 20	Shd	18.91	Air $\bar{T}$ = 22.2C	
49 00	—	18.97	−0.06	
20	Eff	19.76	3.92 +0.22 = 4.14	
51 00	—	23.68		
20	Shd	23.63	0.50	
53 00	—	23.13		
20	Eff	23.66	3.48 +0.67 = 4.15	
55 00		27.14		4.145
20	Shd	27.14	0.84	
1 57 00	—	26.30	Air $\bar{T}$ = 25.0 C	
			Mean air $\bar{T}$ = 23.6 C	

2 00 Hygro = 24.5° Wet B = 58.6 F. Dry B = 76.4 F.

Sky Clear

3 47 20	Shd	20.46	Air $\bar{T}$ = 21.7 C	
49 00	—	20.48	+−0.02	
20	Eff	20.98	3.25 +0.24 = 3.49	
51 00	—	24.23		
20	Shd	24.30	−0.50	
53 00	—	23.80		
20	Eff	24.29	2.76 +0.68 = 3.44	
55 00		27.05		3.465
20	Shd	26.98	0.86	
3 57 00	—	26.12	Air $\bar{T}$ = 24.6 C	
			Mean Air $\bar{T}$ = 23.2 C	

Hygro = 29.0 at 4:00

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Thurs Apr. 20, 1915

Shy 1 Cu N2 horiz. ⊙ clear [illegible]

1	36	20	Shd	18.73	Air T = 22.4 C
	38	00	—	18.83	−0.10
		20	Eff	19.60	3.83 + 0.175 = 4.005
	40	00	—	23.33	
		20	Shd	23.32	0.45
	42	00	—	22.87	
		20	Eff	23.50	3.37 + 0.635 = 4.005
	44	00	—	26.87	4.005
		20	Shd	26.74	0.82
1	46	00	—	25.92	Air T = 26.2 C

Mean T = 24.3 C

1:48 Hygro = 30.0 wet B = 57.3 F. Dry B = 75.4 F

Shy 1 Cu Alto horiz ⊙ clear [illegible]

3	34	20	Shd	20.06	Air T = 20.4 C
	36	00	—	20.07	−0.01
		20	Eff	20.78	3.22 + 0.235 = 3.455
	38	00	—	24.00	
		20	Shd	23.98	0.48
	40	00	—	23.50	
		20	Eff	24.01	2.81 + 0.68 = 3.490
	42	00	—	26.82	3.472
		20	Shd	26.73	0.88
3	44	00	—	25.85	Air T = 21.4 C

Mean Air T = 20.9 C

3:46 Hygro = 34.0 wet B = 56.7 Dry B = 70.4 F

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770f

Wed. April 21, 1915

Sky 1 Cu Horz ○ clear Windy

1	42	20	Shd	18.84	Air T = 22.2 C
	44	00	—	18.90	−0.06
		20	Exp	19.70	3.78 +021 = 3.990
	46	00	—	23.48	
		20	Shd	23.51	0.48
	48	00	—	23.03	
		20	Exp	23.66	3.39 +0.66 = 4.050
	50	00	—	27.05	4.020
		20	Shd	26.97	0.84
1	52	00	—	26.13	Air T = 23.0 C

Mean Air T = 22.6 C

1 54 Hygro = 33.0 Wet B = 59.2 F. D.P. = 74.8 F.

Sky 1 Cu Cu Horz. Shagg? ○ Clr

4	02	20	Shd	20.18	Air T = 22.4 C
	04	00	—	20.22	−0.04
		20	Exp	20.70	3.09 +0.195 = 3.285
	06	00	—	23.79	
		20	Shd	23.79	0.43
	08	00	—	23.36	
		20	Exp	23.80	2.76 +0.595 = 3.355
	10	00	—	26.36	3.320
		20	Shd	26.26	0.76
4	12	00	—	25.50	Air T = 24.2 C

Mean Air T = 23.3 C

4 14 Hygro = 38.5 W.B = 56.8 F. D.B = 68.8 F.

Prob. affected by haze near Sun.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Sun. Apr 25, 1915

F.C.Ab

Sky 1 Cu hoy/ ⊙ clear

1 54	20	Shd	18.62	Air T = 21.0 C	
56	00	—	18.59	+003	
	20	Exp	19.38	3.62 +026	= 3.~~88~~0
58	00	—	23.00		
	20	Shd	22.98	0.49	
2 00	00	—	22.49		
	20	Exp	23.10	3.16 +068	= 3.845
02	00	—	26.26		3.862
	20	Shd	26.22	0.88	
04	00	—	25.34	Air T = 22.6 C	

Mean Air T = 21.8 C

2 06 Hygro = 41.5 WB = 61.6 F. DB = 71.5 F

Sky 1 Cu hoy ⊙ clear F.C.Ab

3 42	20	Shd	20.03	Air T = 22.0 C	
44	00	—	20.03	0.00	
	20	Exp	20.70	2.90 +021	= 3.110
46	00	—	23.60		
	20	Shd	23.55	0.42	
48	00	—	23.13		
	20	Exp	23.51	2.48 +067	= 3.150
50	00	—	26.99		3.130
	20	Shd	26.20	0.92	
3 52	00	—	25.28	Air T = 20.4 C	

Mean Air T = 21.2 C

3 54 Hygro = 44.5 WB = 59.0 F. DB = 66.8 F

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Mon. May 3, 1915

Sky 1 Cu hor ⊙ clear LC Obs.

1	22	20	Shd	19.00	air T = 21.4 C	
	24	00	—	19.09	−0.09	
		20	Exp	19.83	3.79 + 0.195	= 3.985
	26	00	—	23.62		
		20	Shd	23.66	0.48	
	28	00	—	23.18		
		20	Exp	23.80	3.29 + 0.64	= 3.93
	30	00	—	27.09		3.958
		20	Shd	27.03	0.80	
1	32	00	—	26.23	air T = 26.4 C	

Mean air T = 23.9 C

1 34 Hygro = 39.0 ; W.B. = 63.0 ft.; D.B. = 76.4 ft

Sky 1 Cu hor ⊙ clear LC Obs.

3	14	20	Shd	20.80	air T = 21.8 C	
	16	00	—	20.78	0.02	
		20	Exp	21.47	3.31 + 0.26	= 3.57
	18	00	—	24.78		
		20	Shd	24.80	0.50	
	20	00	—	24.30		
		20	Exp	24.86	2.90 + 0.64	= 3.54
	22	00	—	27.76		3.555
		20	Shd	27.63	0.78	
	24	00	—	26.85	air T = 25.6 C	

Mean T = 23.7 C

3 26 Hygro = 39.5 ; W.B. = 60.0 ft.; D.B. = 73.8 ft.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Tues May 4, 1915

Sky 1 Cu hory ⊙ clear F Calb

1	52	20	Shd	19.62	
	52	00	—	19.68	Air T = 23.3
		20	Eff	20.30	−0.06
	54	00	—	24.06	3.76 + 0.20 = 3.96
		20	Shd	24.08	0.46
	56	00	—	23.62	
		20	Eff	24.18	3.24 + 062 = 3.86
	58	00	—	27.42	3.910
		20	Shd	27.33	0.78
2	00	00	—	26.55	Air T = 26.7 C

Mean Air T = 25.0 C

2:02 Hygro = 36.5 : W.B. = 59.4 F! D.B. = 475 F

Sky 1 Cu hory ⊙ clear F Calb

3	33	20	Shd	22.42	
	35	00	—	22.40	Air T = 24.0 C
		20	Eff	22.97	0.02
	37	00	—	26.03	3.06 + 026 = 3.32
		20	Shd	26.01	.0.50
	39	00	—	25.51	
		20	Eff	26.00	2.58 + 0.69 = 3.27
	41	00	—	28.58	3.295
		20	Shd	28.54	0.68
3	43	00	—	27.66	Air T = 25.0 C

Mean air T = 24.5 C

3:45 Hygro = 39.0 .

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Thurs May 6, 1915

Shy 2 Ci Ca Sat ⊙ clear LC.db2

1	37 20	Shd	19.06		air T = 23.3 C
	39 00	—	19.13	−0.07	
	39 20	Exp	19.47		
	41 00	—	23.61	3.74 + 0.16 = 3.90	
	20	Shd	23.59	0.39	
	43 00	—	23.20		
	20	Exp	23.81	3.27 + 0.02 = 3.89	
	45 00		27.08		3.895
	20	Shd	26.98	0.85	
1	47 00	—	26.13		air T = 24.5 C

C/C

Mean air = 23.9 C

1:50 Hygro = 31.0 : W B = 54.1 F D/B = 7.3 F.

1915phae.proj..770C

Fri May 14, 1915

Sky clear

L Colton

1	47	20	Shd	17.94	air T = 20.6 C
	49	00	—	17.96	−0.02
		20	Exp	18.73	
	51	00	—	22.54	3.81 + 0.33 = 4.14
		20	Shd	22.54	
	53	00	—	21.86	0.68
		20	Exp	22.38	
	55	00	—	25.63	3.25 + 0.73 = 3.98
		20	Shd	25.56	0.78 4.06
1	57	00	—	24.78	air T = 22.8 C

Mean air T = 21.7 C

2 00 Hygro = 36.5 ; W. B. = 56.0 F. D.P. = 7.13 F.

Sky clear

L Colton

3	45	20	Shd	19.48	air T = 20.6 C
	47	00	—	19.46	0.02
		20	Exp	20.04	3.14 + 0.235 = 3.375
	49	00	—	23.18	
		20	Shd	23.21	0.49
	51	00	—	22.72	
		20	Exp	23.18	2.74 + 0.685 = 3.425
	53	00	—	25.92	3.400
		20	Shd	25.84	0.88
3	55	00	—	24.96	air T = 25.4 C

Mean air T = 23.0 C

3 57 Hygro = 41.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae_proj..7705

May 15 1915

Sky 0 clear

Wp dbz

1	31	20	Shad	18 23	Air T = 24.0 C
	33	00	—	18 46	-.23
	33	20	Exp	19.11	
	35	00	—	23.07	3.98 + .825 = 4.105
	35	20	Shad	23 02	
	37	00	—	22 54	.48
	37	20	Exp	23 20	
	39	00		26 58	3.38 + .675 = 4.055
	39	20	Shad	26 47	4.08
	41	00	—	25 60	.87

Hygro 36.0
W.B (73.0)
D.B (58.0)
1:49

Air T. = 24.2 C
mean Air T. 24.1

t2

Sky 0

Wp dbz

3	38	20	Shad	19 50	Air T. = 20.8
	40	00	—	19 55	-.05
	40	20	Exp	20 28	
	42	00	—	23 42	3.14 + .23 = 3.37
	42	20	Shad	23 40	
	44	00	—	22 89	.51
	44	20	Exp	23 44	
	46	00	—	26 17	2.73 + .685 = 3.415
	46	20	Shad	26 00	3.392
	48	00	—	25 14	86

Air T: 24.2
mean 22.5° C

Hygro. 40.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Sun May 16, 1915

Sky clear (absolutely) A. C. Ah

1	38	20	Shd	18.39	Air T = 21.4 C
	40	00	—	18.43	−0.04
		20	Eff	19.19	+3.85 +0.22 = 4.07
	42	00	—	23.04	
		20	Shd	23.07	+0.48
	44	00	—	22.59	
		20	Eff	23.20	+3.41 +0.66 = 4.07
	46	00	—	26.61	4.07
		20	Shd	26.58	+0.84
1	48	00	—	25.74	Air T = 24.6 C

Mean Air T = 23.0 C

1 50 Hygro = 33.0 W B = 54.2 F D B = 73.7 F

Sky perfectly clear A. C. Ah.

3	35		Hygro = 33.0		
3	37	20	Shd	19.81	Air T = 20.8 C
	39	00	—	19.80	+0.01
		20	Eff	20.42	
	41	00	—	23.49	3.07 +0.22 = 3.29
		20	Shd	23.47	
	43	00	—	23.04	0.43
		20	Eff	23.53	
	45	00	—	26.32	2.79 +0.565 = 3.355
		20	Shd	26.19	0.70 3.322
3	47	00	—	25.49	Air T = 26.0 C

Mean Air T = 23.4 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770

Mon May 17, 1915

Sky perfectly clear

	32			34		
1	29	20	Shd	18.60	air T = 24.6 C	
	34	00	—	18.91	-0.17	
		20	Exp	19.68	3.90 +0.115 = 4.005	
	36	00	—	23.58		
		20	Shd	23.63	0.40	
	38	00	—	23.23		
		20	Exp	23.89	3.49 +0.565 = 4.055	
	40	00	—	23.38		4.030
		20	Shd	23.36	0.73	
1	42	00	—	26.63	air T = 27.0 C	
					Mean air T = 25.8 C	
1	45	Hygro = 31.5		W.B = 54.6 F	D.B = 74.8 F.	

3 30 Hygro = 32.0 Sky cloudless

3	33	20	Shd.	20.22	air T = 21.8 C	
	35	00	—	20.26	-0.04	
		20	Exp	20.88	3.34 +0.26 = 3.60	
	37	00	—	24.22		
		20	Shd	24.21	0.56	
	39	00	—	23.65		
		20	Exp	24.24	2.91 +0.67 = 3.58	
	41	00	—	27.15		3.59
		20	Shd	27.00	0.78	
	43	00	—	26.22	air T = 25.8 C	
					Mean air T = 23.8 C	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770t

Tues. May 18, 1915

Sky cloudless LCO

1	16	20	Shd	18.58	Air T = 23.0 C
	18	00	—	18.61	−0.03
		20	Exp	19.56	4.03 + 0.85 = 4.21
	20	00	—	23.59	
		20	Shd	23.62	0.40
	22	00	—	23.22	
		20	Exp	23.88	3.54 + 0.59 = 4.13
	24	00	—	27.42	4.172
		20	Shd	27.39	0.78
1	26	00	—	26.61	Air T = 29.0 C

Mean Air T = 26.0 C

1 28 Hygro = 30.0. WB = 54.2 DB. = 74.8

3 37 Hygro = 31.0 Sky cloudless LC. Obs.

3	39	20	Shd	20.03	Air T = 22.4 C
	41	00	—	20.05	−0.02
		20	Exp	20.74	3.30 + 0.23 = 3.53
	43	00	—	23.04	
		20	Shd	24.02	0.48
	45	00	—	23.54	
		20	Exp	24.09	2.87 + 0.66 = 3.53
	47	00	—	26.96	3.53
		20	Shd	26.92	0.84
3	49	00	—	26.08	Air T = 26.4 C

Mean Air T = 24.4 C

C/C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

~~Sat~~ May 22, 1915. F.C. CB.

Sky 1 Ci Cu Scatd ⊙ clear.

Shd	1:44:	20	18.17	air T = 20.4 C.
—	46	00	18.27	−0.10
Exp		20	18.96	3.87 + 0.203 = 4.073
	48	00	22.83	
Shd		20	22.87	0.51
—	50	00	22.36	
Exp		20	27.90	3.40 + 0.655 = 4055
	52	00	26.30	4.065
Shd		20	26.22	0.80
—	1 54	00	25.42	air T = 26.4 C

Mean air T = 23.4 C

Hygro = 36.5

WB = 72.0 F.

DB = 53.2 F.

1:5 P

1915phae.proj..770

Tues. May 25. 1915

Sky clear — LCObs.

1:27:20	Shd	18.10		air T = 20.8 C
29 00	—	18.13	-0.03	
20	Eff	18.81	3.84 + 0.24 = 4.08	
31 00	—	22.65		
20	Shd	22.62	0.52	
33 00	—	22.10		
20	Eff	22.12	3.40 + 0.62 = 4.02	
35 00	—	25.52		4.05
20	Shd	25.47	0.72	
1 37 00	—	24.75		air T = 28.0 C

Mean air T = 24.4 C.

1:42 Hygro = 34.0 ; W.B. = 53.6 F. ; D.P. = 73.0 F.

---

3 17 Hygro = 35.0

Sky 1/4 cl. horiz — LCObs.

3 19 20	Shd	19.53		air T = 20.9 C
21 00	—	19.55	-0.02	
20	Eff	20.29	3.30 + 0.22 = 3.52	
23 00	—	23.59		
20	Shd	23.58	0.46	
25 00	—	23.12		
20	Eff	23.68	2.86 + 0.63 = 3.49	
27 00	—	26.54		3.505
20	Shd	26.49	0.80	
3 29 00	—	25.69		air T = 24.9 C

Mean air T = 22.9 C.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770C

Wed May 26, 1915

Sky clear

L.C Obs.

1	16	20	Shd	18.12	Air T = 22.0 C		
	18	00	—	18.20	-0.08		
		20	Exp	19.05	8.81	+0.18	= 3.99
	20	00	—	22.86			
		20	Shd	22.84	0.44		
	22	00	—	22.40			
		20	Exp	22.98	3.44	+0.62	= 4.06
	24	00	—	26.42			4.025
		20	Shd	26.39	0.80		
1	26	00	—	25.59	Air T = 26.2 C		

Mean air T = 24.1 C

1:30 Hygro = 35.0 W.B. = 54.0 F. D.B. = 72.4 F.

---

2 58 Hygro = 36.0

Sky clear

L.C Obs

3	00	20	Shd	19.73	Air T = 21.0 C		
	02	00	—	19.78	-0.05		
		20	Exp	20.36	3.52	+0.23	= 3.75
	04	00	—	23.88			
		20	Shd	23.84	0.51		
	06	00	—	23.37			
		20	Exp	23.97	3.01	+0.70	= 3.71
	8	00	—	26.98			3.73
		20	Shd	26.92	0.89		
3	10	00	—	26.03	Air T = 24.0 C		

Mean air T = 22.5 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Fri May 28, 1915 LCAb

Sky clear

8	18	20	Shd	16.82	air T = 18.6 C	
	20	00	—	16.86	−0.04	
		20	Eff	17.43	3.57	+0.23 = 3.80
	22	00	—	21.00		
		20	Shd	20.99	0.50	
	24	00	—	20.49		
		20	Eff	21.02	3.13	+0.71 = 3.84
	26	00	—	24.15		3.82
		20	Shd	24.05	0.92	
	28	00	—	23.13	air T = 20.0 C	

Hygro = 31.0 at 8:30 Mean air T = 19.3 C

10 00 Hygro = 34.5 WB = 53.3 F DB = 71.0 F.

LCAb

Sky clear

10	14	20	Shd	17.97	air T = 20.4 C	
	16	00	—	17.99	−0.02	
		20	Eff	18.80	3.81	+0.285 = 4.095
	18	00	—	22.61		
		20	Shd	22.59	0.59	
	20	00	—	22.50		
		20	Eff	22.61	3.34	+0.745 = 4.125
	22	00	—	25.99		4.11
		20	Shd	25.88	0.90	
10	24	00	—	24.98	air T = 24.6 C	

Mean air T = 22.5 C

Hygro = 36.0 at 10:26

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phaeproj...776C

Sat. May 29, 1915

FCCb.

Sky clear

1	06	20	Shd	17.70	air T = 20.0 C	
	08	00	—	17.77	−0.07	
		20	Exp	18.49	3.71	+0.23 = 3.94
	10	00	—	22.20		
		20	Shd	22.37	0.53	
	12	00	—	21.84		
		20	Exp	22.40	3.32	
	14	00	—	25.72		+0.675 = 3.995
		20	Shd	25.64	0.82	3.968
1	16	00	—	24.82	air T = 21.4 C	

Mean air T = 20.7 C

Hygro = 40.5
WB. = 54.0 F. } 1:20
DP. = 69.2 F.

Hygro = 38.0 at 3:09

Sky clear

FCCb2

3	11	20	Shd	18.80	air T = 20.4 C	
	13	00	—	18.82	−0.02	
		20	Exp	19.44	3.40 + 0.25 = 3.65	
	15	00	—	22.84		
		20	Shd	22.83	0.52	
	17	00	—	22.31		
		20	Exp	22.82	2.92 + 0.68 = 3.60	
	19	00	—	25.74		3.625
		20	Shd	25.58	0.84	
3	21	00	—	24.74	air T = 22.4 C	

Mean air T = 21.4 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Mean May 31, 1915

Sky 2 Ci Cs thin ⊙ clear L. C. Abs.

1:16:20	Shd	17.38	Air T = 21.0C	
18 00	—	17.42	-0.04	
20	Exp	18.18	3.78 + 0.225 = 4.005	
20 00	—	21.96		
20	Shd	22.00	0.49	
22 00	—	21.51		
20	Exp	22.16	3.36 + 0.65 = 4.01	
24 00	—	25.52		4.005
20	Shd	25.44	0.81	
1 26 00	—	24.63	Air T = 24.3C	

Mean Air T = 22.6 C

1:30 Hygro = 35.0; WB. = 54.2 F. DB. = 70.0 F

Sky 3 Ci As ⊙ clear

306 20	Shad	18.75	Air T = 21.5 C	
08 00	—	18.77	.02	
08 20	Exp.	19.46		
10 00	—	22.82	3.36 + .26 = 3.62	
10 20	Shad	22.78		
12 00	—	22.24	.54	
12 20	Exp	22.82		
14 00	—	25.80	2.98 + .72 = 3.70	
14 20	Shad	25.65	mean 3.66	
16 00	—	24.75	.90	Air T = 22.6
				mean 22.0C

Hygro = 39.0 at 3:18

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Thurs June 3, 1915

Sky clear

F.C.Ak.

1 09. 20	Shd	17.07	air T = 20.2 C	
11 00	—	17.09	-0.02	
20	Exp	17.90	3.8 P + 0.29 = 4.17	
13 00	—	21.18		
20	Shd	21.82	+0.60	
15 00	—	21.22		
20	Exp	21.93	3.48 +0.75	= 4.23
17 00	—	25.41		4.20
20	Shd	25.39	0.90	
1 19 00	—	24.49	air T = 22.6 C	
			Mean air T = 21.4 C	

1 22 Hygro = 32.5 W.B. = 52.1 F Dry B = 69 F

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Sat June 5 1915

LCOb

Sky clear but air dusty

8	28	20	Shd	14.92	air T = 15.2 C
	30	00	—	14.96	−0.04
		20	Exp	15.64	3.72 + 026 = 3.9 A
	32	00	—	19.36	
		20	Shd	19.37	0.56
	34	00	—	18.81	
		20	Exp	19.40	3.19 + 0.80 = 3.9 B
	36	00	—	22.59	3.9 B
		20	Shd	22.49	1.04
8	38	00	—	21.45	air T = 16.4 C

Mean air T = 15.8 C

Hygro = 24.5 at 8:40

at 10:00 Hygro = 26.5 WB = 42.2 F DB = 64.4 F

LCOb Sky clear but air dusty

10	17	20	Shd	15.96	Air T = 18.0 C
	19	00	—	15.98	−0.02
		20	Exp	16.76	3.92 + 0.25 = 4.17
	21	00	—	20.68	
		20	Shd	20.70	0.52
	23	00	—	20.18	
		20	Exp	20.84	3.52 + 0.68 = 4.20
	25	00	—	24.36	4.18 B
		20	Shd	24.34	0.84
10	27	00	—	23.48	Air T = 23.6 C

10:30 Hygro = 28.0

Mean air T = 20.8 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1916phae.proj..7700

Sun June 6, 1915 LC Ob

Sky clear.

1:00	:20	Shd	16.33	Air T = 20.0 C	
02	00	—	16.40	-0.07	
	20	Exp	16.98	4.00 +0.16	=4.16
04	00	—	20.98		
	20	Shd	21.03	0.39	
06	00	—	20.64		
	20	Exp	21.27	3.53 +0.60	=4.13
08	00	—	24.80		4.145
	20	Shd	24.79	0.81	
1:10	00	—	23.98	Air T = 25.0 C	

Mean Air T = 22.5 C

1:15 Hygro = 26.0 W.B. = 46.8° F. D.B. = 67.0° F.

Sky clear LC Ob

3:04	20	Shd	19.87	Air T = 25.0 C	
06	00	—	20.06	-0.19	
	20	Exp	20.76	3.61 +0.07^5	=3.685
08	00	—	24.37		
	20	Shd	24.41	0.34	
10	00	—	24.07		
	20	Exp	24.67	3.25 +0.59^5	=3.845
12	00	—	27.92		3.765
	20	Shd	27.87	0.85	
3 14	00	—	27.02	Air T = 24.8 C	

Mean Air T = 24.9 C

3:15 Hygro = 28.5°,

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Mon June 7, 1915

Sky clear L.C.B.

8	22	20	Shd	14.90	Air T = 15.0 C
	24	00	—	14.91	−001
		20	Exp	15.62	3.51 + 0285 = 3.795
	26	00	—	19.13	
		20	Shd	19.12	0.58
	28	00	—	18.54	
		20	Exp	19.10	2.99 + 0.79 = 3.78
	30	00	—	22.09	3.795
		20	Shd	22.00	1.00
8	32	00	—	21.00	Air T = 15.0 C

Hygro = 31.0 at 8:35 Mean T = 15.0 C

10 00 Hygro = 27.5 WB. = 41.6 F. DB = 60.6 F.

10	21	20	Shd	15.49	air T = 16.8 C
	23	00	—	19.53	−0.04
		20	Exp	16.32	3.91 + 0.24 = 4.15
	25	00	—	20.23	
		20	Shd	20.22	0.52
	27	00	—	19.70	
		20	Exp	20.24	3.44 + 0.71 = 4.150
	29	00	—	23.68	4.15
		20	Shd	23.59	0.90
10	31	00	—	22.69	Air T = 21.2 C

Mean Air T = 19.0 C

10 33 Hygro = 27.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Sun June 13, 1915

Sky clear LCDb

1	09	20	Shd	16.97		Air T = 21.0 C
	11	00	—	17.09	-0.12	
		20	Exp	17.79	3.93	+0165 = 4.095
	13	00	—	21.72		
		20	Shd	21.87	0.45	
	15	00	—	21.33		
		20	Exp	21.98	3.45	+066 = 4.11
	17	00	—	25.43		4.102
		20	Shd	25.37	0.87	
1	19	00	—	24.50		Air T = 25.0 C

Mean Air T = 23.0 C

Hygro = 22.0 . WB = 44.1 F DB = 69.6 F at 1:23

2:57 Sun Hygro = 22.5

Sky clear LCDb

3	00	20	Shd	18.98		Air T = 23.6 C
02	00	—		19.13	-0.15	
		20	Exp	19.88	3.62	+010 = 3.72
04	00	—		23.50		
		20	Shd	23.50	0.35	
06	00	—		23.15		
		20	Exp	23.72	3.14	+0.565 = 3.705
08	00	—		26.86		3.712
		20	Shd	26.82	0.78	
3	10	00	—	26.04		Air T = 26.2 C

Mean Air T = 24.9 C

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Fri June 18, 1915

Sky 1 Cirr Cu Scatt ○ clear

1 15 20	Shd	17.93	air T = 20.6 C	
17 00	—	17.87	−0.04	
20	Eff	18.64	3.68 +0.21 = 3.89	
19 00	—	22.32		
20	Shd	22.30	0.46	
21 00	—	21.84		
20	Eff	22.44	3.28 +0.63 = 3.91	3.90
23 00	—	25.72		
20	Shd	25.62	0.80	
1 25 00	—	24.82	air T = 23.4 C	

Mean air T = 22.0 C

Hygro = 31.5 WB = 46.0 F. DB = 66.4 F. at 1 30

C C

1915phae.proj...7704

Thurs. July 1, 1915 — LC Obs.

Sky 2 Cu hazy ⊙ clear ? or hazy?

1	10	20	Shd	16.62	20.6 C = air T.
	12	00	—	16.72	−0.04
	12	20	Exp	17.23	3.33 +0.12 = 3.45⁻ +
	14	00	—	20.60	
	14	20	Shd	20.66	0.28
	16	00	—	20.38	
	16	20	Exp	20.88	2.92 +0.48 = 3.20 t
	18	00	—	23.60	3.32 5⁻
	18	20	Shd	23.84	0.68
1	20	00	—	23.16	air T = 20.2 C

Mean air T = 20.4 C

Too discordant, see below, just haze near ⊙

1: 35 Hygro = 45.5 % WB = 44.8 F. DB. = 60.8 F.

1	21	20	Shd	22.70	air T = 19.6 C
	23	00	—	22.22	0.48
		20	Exp	22.80	2.94 +0.73 = 3.67
	25	00	—	25.74	
		20	Shd	25.72	0.98
	27	00	—	24.74	
		20	Exp	25.02	2.65 +1.025 = 3.675⁻
	29	00	—	27.67	3.67 2
		20	Shd	27.56	1.07
1	31	00	—	26.49	air T = 19.6 C

Mean air T = 19.6 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

July 1st 1915

Sky 2. Cu. ⊙ clear

1	40	20	obd	23.22
	42	00	—	22.96
	42	20	exp.	23.32
	44	00	—	26.45
	44	20	obd	26.45
	46	00	—	25.78
	46	20	exp.	26.20
	48	00	—	28.70
	48	20	obd	28.65
1		50	00 —	27.58

Air temp = 19.0 C.

0.26

3.13 + 0.465 = 3.595

0.67

2.50 + 0.87 = 3.37

1.07

Air temp = 18.4 C

Mean Air temp = 18.7 C.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770

Thur. July 2, 1915

Sky T thorg. LCCh.

1	1:07	20	Shd	16.80	Air T = 19.4 C
2		09	00	—	16.22	− 0.02
3			20	Exp	16.98	3.60 + 0.26 = 3.86
4		11	00	—	20.58	
5			20	Shd	20.59	0.50
6		13	00	—	20.09	
7			20	Exp	20.69	3.21 + 0.65 = 3.86
8		15	00	—	23.90	3.86 mean
9			20	Shd	23.90	0.80
10	1	17	00	—	23.10	Air T = 20.4 C

Mean air T = 19.9 C.

1:20 Hygro = 46.5 W.B. = 45.3 F. D.B. = 60.6 F.

Sky T. Hazy. CC Ch.

1	18 20	shd	22.60	Air T = 20.5 C
	20 00	—	22.24	+ 0.36
	20 20	Exp.	22.74	2.96 + 63 = 3.59
	22 00.	—	25 70	
	22 20	shd	25 70	0.90
	24.00	—	24.80.	
	24 20	Exp	25 62	2.84 = 97 3.81
	26.00.	—	28.26.	= 3.70
	26.20.	shd	28.00	
	28 00	—	26.96	1.04
	~~25 00~~	~~Exp.~~		Air T = 22.3 C
	3	4		Mean Air T = 21.4 C

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

July 2, 1915

Sky Transparent only ⊙ clear L.C.Ch

2	55 20	Shd	18.57	Air T = 18.9 C.
	57 00	—	18.56	0.01
	20	Exp	19.13	3.36 + 0.25 = 3.61
	59 00	—	22.49	
	21	Shd	22.47	0.49
	01 00	—	21.98	
	20	Exp	22.46	2.86 + 0.65 = 3.51
	03 00	—	25.32	3.56
	20	Shd	25.29	0.81
3	05 00	—	24.48	Air T = 22.2 C.

Mean Air T = 20.6 C.

Hygro = 48.5 at 3:06

Sky 0 ⊙ Obs.

3.	05.20	shd	23.65	Air temp 23.2 C
	07	—	23.25	0.40
	07.20	exp	23.82	
	09.00	—	26.75	2.93 + 59 = 3.52.
	09.20	shd	26.75	
	11.00	—	25.96	0.79
	11.20	exp	26.46	
	13.00	—	29.10	2.64 + 91 = 3.55
	13.20	shd	28.92	1.04 3.53.5
	15.00	—	27.88	Air T = 23.5

Mean Air T = 23.35 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

July 15th Thursday Obs. W

Sky 0 ⊙ clear

9.	14 20	Shd	~~16.10~~ 16.85	Air T = 22.5 C	
	16 00	—	17.00	0.15	
	16 20	Exp	17.70		
	18 00	—	21.52	3.82 + 0.245 = 4.06	
	18 20	Shd	21.54		
	20 00	—	21.20	0.34	
	20 20	Exp	21.80		
	22 00	—	25.25	3.45 + 58 = 4.03	
	22 20	Shd	25.20		404.5
	24 00	—	24.38	0.82	

Air T = 24.6 C

Mean Air T = 23.5

Hygro. = 32.5 at 1130 Wet Bulb. = 52.2 F. Dry Bulb 65 F.

Sky 0 ⊙ clear Obs. W

2.	11. 20	Shd	17.68.	Air T = 20.0 C	
	13 00	—	17.60	0.52	
	13 20	Exp.	18.30.		
	15 00	—	21.95.	3.65 + 48.5 = 4.13	
	15 20	Shd.	21.90.		
	17 00	—	21.45	0.45	
	17 20	Exp.	22.12.		
	19 00	—	25.28.	3.16 + 62.5 = 3.78.	
	19 20	Shd.	25.18.		3.95
	21 00	—	24.38	0.80	

Air T = 23.2

Mean Air T = 21.5

Hygro. = 29.5 at 2.20 Wet B. F = 46. Day B = 65° F.

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Monday July 19th 1915

Sky ○ ~~Sun~~ ⊙ clear

12.	56 20	Shade	17.40	Air T = 22.0 C
	58 00	—	16.50	+0.90
	58 20	Exp	17.22	
1	00 00	—	21.00	= 3.78 + .74 = 4.52
	00 20	Shd	21.00	
	02 00	—	20.42	= 0.58
	02 20	Exp	21.12	
	04 00	—	23.50	= 2.38 +34 = 2.72
	04 20	Shd	23.40	
	06 00	—	23.50	0.10

Sky ○ ⊙ clear

1.	08. 20	Shd	= 22.88	Air T = 22.5 C
	10. 00	—	22.56	+ 0.32
	10 20	Exp	23.18	
	12 00	—	26.58	= 3.40 +61 = 4.01
	12 20	Shd	26.54	
	14 00	—	25.64	0.90
	14 20	Exp	26.42	
	16. 00	—	29.28	2.86 + 1.01 = 3.87
	16 20	Shd	29.18	1.13 3.94
	18. 00	—	28.05	Air T = 22.0 C

Mean Air T = 22.25

Hygro = 31.0 at 1.20 Wet B = 48.0 Dry B = 64.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7706

Monday July 19th/15 Alb. W.

Sky 0 ⊙ clear. Air T = 19.5 C

3.	48.	20.	Shd.	17.70	
	50	00	—	17.85	−0.15
	50	20	Sf	18.42	
	52	00	—	21.48	3.06 + 6 = 3.22
	52	20	Shd	21.46	
	54	00	—	21.08	−0.38
	54	00	Sf	21.54	
	56	00	—	24.20	2.66 + 56 = 3.22
	56	20	Shd	24.16	
	58	00	—	23.42	0.74

Air T = 21.5 C Mean Air T = 20.5 C

Hygro. = 32.0 at 4.00 Wet B = 49.0 F. Dry B = 63.2 F

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770f

Wednesday July 21st/15 Ab W.

Air T = 21° C.

Sky T	⊙	clear.	
10.09.20	Shd.	15.92.	
11 00	—	16.02	0.10
11.20	Shd	16.66	
13.00	—	20.44	3.78 + 20 = 3.98
13 20	Shd	20.46.	
15.00	—	20.76.	0.30.
15 20	Shd.	20.78	
17 00	—	23.90 = 3.12.	+0.51 = 3.63
17.20	Shd	23 90	0.72
19.00	—	23.18	Mean — 3.60

Air T = 23° C.

Mean Air T = 22° C.

Hygro 25 at 10.20 Dry B = 67.2 F. Wet B = 45.8 F.

Too cloudy to get 2nd reading.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Monday July 26th 15

W. Obs

Sky 0. ⊙ clear Air T = 18.5 C

10 31 20	Shd =	16.42		
33 00	— =	16.50	−0.08	
33 20	Slp =	17 50		
35 00	—	21 28	3.78 +29 =	4.07
35 20	Shd	21 28		
37 00	—	20 78	0.50	
37 20	Slp.	21 45		
39 00	—	24.88	3.43 +66 =	4.09
39 20	Shd	24.86	0.82	
41 00	—	24 Mean =		4.08

Air T = 21.5

Mean Air T = 20.0

Hygro = 24.0 at 11.00 Dry B = 67.8 F. Wet B = 52.7 F.

Sky 0. ⊙ clear. 3 46. 20 Shd = 18.58 Air T = 25.0 C.

48 00	— =	18.70	−0.10	
48 20	Slp =	19.38		
50 00	—	22 58	3.20 +26 =	3.45
50 20	Shd	22 56		
52 00	—	22.14	0.42	
52 20	Slp	22 68		
54 00	—	25 40	2.72 +60 =	3.32
54 20	Shd	25.36	0.78	
56 00	—	24 58 Mean =		3.38

Air T = 23.0 C

Mean Air T = 24.0 C

Hygro = 28.0 at 3.50 Dry B = 66.8 F. Wet B = 49.0 F.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Thursday July 29th 1915

Obs W

Sky 0 ⊙ clear

11.	22 26	Shd =	16 44	Air T = 22° C	
	24 00	—	16 50	+ .02	
	24 20	Sbp	17 22		
	26 00	—	21 20	3.98 + 24 = 4.22	
	26 20	Shd	21 18		
	27 00	—	20 72	46	
	28 20	Sbp	21 32		
	30 00	—	24 88	3.56 + 67 = 4.23	
	30 20	Shd	24 84	.88	4.225
	32 00	—	23 96	Air T = 27	

Hygro. = 23 at 11.50 Dry B = 66.8 F. Wet B = 47 F.

Mean Air T = 24.5 C

12.	31 20	Shd =	20 52	Air T = 20.5 C	
	33 00	—	20 50	+ 02	
	33 20	Sbp	21 22		
	35 00	—	24 94	3.74 + 33 = 4.07	
	35 20	Shd	24 88		
	37 00	—	24 24	.64	
	37 20	Sbp	24 90		
	39 00	—	28 12	3.22 + 83 = 4.05	
	39 20	Shd	28 02		4.06
	41 00	—	27 00	1.02	

Hygro 23.0 at 1.30 Dry B = 67 F. Wet B 47.6 F.

Air T = 24 C

Mean Air T = 22.25 C

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Sunday July 30th 15

W. Alb

Sky 0 ⊙ clear Air T = 18.5 C

Q.	15 20	Shd =	15 60		
	17 00	—	15 68	+ 08	
	17 20	Exp.	16 40		
	19 00	—	20 18	3.78 + 29	= 4.07
	19 20	Shd	20 18		
	21 00	—	19 68	.50	
	21 20	Exp	20 30		
	23 00	—	23 68	3.38 + 67	= 4.05
	23 20	Shd	23 54	.84	Mean = 4.06
	25 00	—	22.70	Air T = 21 C	

Mean Air T = 19.25 C

Hygro = 29.5 at 10.0. Dry B = 64.5 F. Wet B = 44.2 F.

12 Sky 0 " ⊙ clear

12.	39 20	Shd =	17.04	Air T = 22.0 C	
	41 00	—	17 12	+ 08	
	41 20	Exp.	18.00		
	43 00	—	22.06	4.06 + 31	= 4.37
	43 20	Shd	22 02		
	45 00	—	21.48	0.54	
	45 20	Exp	22.20		4.16
	47 00	—	25 66	3.46 + ~~90~~	~~4.36~~
	47 20	Shd	25 60		
	49 00	—	24.70	0.90	Mean = ~~4.305~~ 4.275

Hygro = 27. at 1.30. Dry B = 67.4 F. Wet B = 45.8 F.

Air T = 23

Mean Air T = 22.5 C

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Saturday July 31st 1915 Obs W

Sky 0 ⊙ clear Air T = 25°.2 C

10.	10. 20	Shd	=	16. 62	
	12 00			16 78	+0.16
	12 20	Exp		17 50	
	14 00	—		21. 48	3.98 +26 = 4.24
	14 20	Shd		21 46	
	16 00	—		21. 10	.36
	16 20	Exp		21 78	
	18 00	—		25 30	3.52 +54 = 4.09
	18 20	Shd		25. 20	H. 165
	20 00	—		24 42	.78

Hygro = 13.0 at 14 00 Dry B = 74.0 F. Wet B = 52.0 F.

Air T = 28° C

Mean Air T = 26.5 C

Sky 0. ⊙ clear Air T = 22° C

12.	16. 20	Shd	=	20. 48	
	18 00.	—		20 52.	+ 04
	18 20.	Exp		21 30.	
	20 00	—		24 92	3.62 +34 3.96
	20 20.	Shd		24 90	
	22. 00			24 26	.64
	22 20	Exp		24 92.	
	24 00	—		28. 16	3.24 +81 = 4.05
	24 20	Shd		28 04	Mean = 4.005
	26 00	—		27.06	0.94 .98.
	~~26~~ ~~30~~			Air T =	22.5 C mean 22.25

Hygro = 23.0 at 12.30 Dry B = 72.5 F. Wet B = 49.6 F.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Tuesday Aug 31st 15

Sky 0 Clear Air T = 22.5 C.

12 11. 20 Std = 17.92.
13 00 — = 18.10 + 0.18.
13 20 Std = 18.80
15 00 — = 22.72 3.92 + 34 = 4.26
15 20 Std = 22.70
17 00 — = 22.20 .50.
17 20 Std = 22.98.
19 00 — = 26.30 3.32 + 74 = 4.06
19 20 Std = 26.24 .98
21 00 — = 25.26. Air T = 23.5 = 4.16

Hygro = 28. at 120 Dry B = 67.0 F. Wet B = 47.2 F.
Mean Air T = 23° C

Sky 0 Clear Air T = 20.5

3. 16. 20 Std = 18.88
18 00 — = 18.92 + 04
18 20 Std = 19.70
20 00 — = 23.08. 3.38. + 25 = 3.63
20 20 Std 23.00.
22 00 — 22.54 .46
22 20 Std 23.12.
24 00 26.06 2.94 + ~~.56~~ .66 = ~~3.49~~ 3.60
24 20 Std 25.98. .86 Mean = 3.56
26 00 — 25.12. Air T = 22° C

Hygro = 28.5 at 3.40 Dry B = 67.0 F. Wet B = 47.5 F.
Mean Air T = 21.25

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Thursday Aug 5th /15 Obs. W

Sky H Cirs. ⑤ clear

Air T' = 23° C

12. 19. 20	Shd =	17 70	
21 00	—	17 82	+ 0.12
21. 20	Exp	18 70	
23 00	—	22 52	3.82 + 25 = 4.07
23 20	Shd	22 50	
25 00	—	22. 12	0.38
25 20	Exp	22. 80	
27 00	—	26. 00	3.20 + .61 = 3.81
27 20	Shd	25 94	Mean 3.94
29.00	—	25 12	0.84

Air T = 23.5 Mean Air T = 23.25

Hygro = 28.0 at 12.00 Wet B = 47.8 F. Dry B = 68.8 F.

Too cloudy for 2nd reading

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...7700

Friday Aug 6th 1915 Obs W

Sky 2 Cu ⊙ clear Air T = 22°C

9. 36 20 Shd = 17.18.
38 00 — = 17.28 +0.10
38 20 Exp = 18.00
40 00 — = 21.62. 3/4.62+23 = 3.85
40 20 Shd = 21 56
42 00 — = 21 20 0.36
42 20 Exp = 21 62.
44 00 — = 24 82. 3.20 +60 = 3.80
44 20 Shd = 24 74 0.84 3.825
46 00 — = 23 90

Hygro = 3% at 9.40 Wet B = 49.8 ℉ Dry B = 68.5 ℉
⊙ Air T = 24°C
Mean Air T = 23°C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Thursday Aug 10th /15

Sky 0 ⊙ clear. ~~Air T~~ Wb

10. 40. 20. Std = 16 25 Air T = 18.2 C.
- 42 00 - 16 25 .00
- 42. 20 Stb 17.10
- 44 00 - 20 78 3.68 + 31 = 3.99
- 44 20 Std 20 74
- 46 00 - 20 12 0.62
- 46 20 Stb 20.70
- 48 00 - 23.96 3.26 + 85 = 4.11
- 48 20 Std 23.88 Mean = 4.05
- 50 00 - 22 80 1.08

Hygro = 43 0 at 1020 Dry B = 62.0 F. Wet B = 47.2 F ✓
Air T = 19.8
Mean Air T = 19.0 C

Sky 2 Cu —— ⊙" clear. Air T. 22.0 C.
3. 41 20 Std. 17 72.
- 43 00 - 17.84 0. 12
43 20 Stb 18. 76
45 00 - 21 92. 3.16 + 0.28 = 3. 44
45 20 Std 21 86
47.00 - 21 42 0.44
47 20 Stb 22.00
49.00 - 25 00 3. 00 + 59 = 3.59
49 20 Std 24. 82 0.74 3.515
51 00 - 24.08

Hygro = 41 0 at 2 20 Dry B = 64.2 F. Wet B = 48.5 F
Air T = 22° 0 C
Mean Air T = 22° 0 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7706

Sunday Aug 13th 1915. W. Obs

Sky 0 0 clear = ~~16 38~~ Air T = 18.4 C

10. 17. 20 Shd = 16 38

19. 00 — = 16 40 — 0.02.

19. 20 Obs. = 17.20

21. 00 — 20.90 = 3.70 + 0.29 = 3.99

21. 20 Shd. 20 84

23. 00 — 20 28 0.56

23 20 Obs 21. 02.

25. 00 - 24 20 = 3.18 + 68. = 3.86

25 20 Shd 23. 96 0.80 3.925

27. 00 - 23. 16 Air T = 20.2 C

Hygro = 42.0 at 10.00 Dry B = 64.6 & Wet B = 48.6 F

Mean Air T = 19.3

Sky 0. 2 47. 20 Shd = 17. 96. Air T = 20.0 C

49 00 — 18. 00 — 0. 04

49.20 Obs 18. 70

51 00 — 22.32 3.62 40.25 = 3. 87

51.20 Shd 22.26

53 00 — 21. 80 0. 46

53 20 Obs 22. 65

55 00 — 25 48 2.83 + 0.88 = 3.71

55 20 Shd 25 34 ~~25~~ Mean = 3.79

57. 00 — 24 04 1.30

Hygro = 43.0 at 2.00 Dry B = 64.6 F. Wet B = 51.8 F

Air T = 21.0 C

Mean Air T = 20.5 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Wednesday Aug 18th/15

Obs. W.

Sky 0 ⊙ clear Air T = 19.0 C.

10	10.20	Thd	=	15.70	
10	12 00	—	=	15 78	− 0.08
10	12 20	Exp	=	16.52	
10.	14 00	—	=	20.46	3.94 + 027 = 4.21
10	14 20	Thd	=	20.42	
10	16 00	—	=	19.96	0.46
10	16 20	Exp	=	20 36	63 4.23
10	18 00	—	=	23.96	3.60 + 70 = 4.30
10	18 20	Thd	=	23.90	0.80 4.25
10	20 00	—	=	23.10	Air T = 23.6 C

Hygro = 30.0 at 10.00. Dry B = 66.0 F. Wet B = 47.0 F.

Mean Air T = 21.3 C

"

Sky 0 ⊙ clear Air T = 23.0 C

3. 06	20	Thd	=	19.42	
	08 00	—		19.46	= − 0.04
	08 20	Exp		20.40.	
	10 00	—		23.80	= 3.40 + 0.15 = 3.55
	10 20	Thd		23 68	
	12 00	—		23.42	0.26
	12 20	Exp		24 08	
	14 00	—		27.40	= 3.32 + 0.52 = 3.84
	14 20	Thd		27.28	3.695
	16 00	—		26.50 F	0.78

Hygro = 36.0 at 3.00 Dry B = 62.8 F Wet B = 46.0 F

Air T = 23.8

Mean Air T = 23.4 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Thursday aug 19. 1915.

Obs H.

Sky 0 ⊙ clear air T 20.9 C.

10	47	20	=	21.17 Shd.	
10	49	00	=	21.20 —	− 0.03
10	49	20	=	21.78 Expl.	
10	51	00	=	25.50 —	3.72 + 0.39 = 4.11
10	51	20	=	25.70 shd.	
10	53	00	=	24.95 —	0.75
10	53	20	=	25.10 Expl	
10	55	00	=	28.30 —	3.20 + .95 = 4.15
10	55	20	=	28.35 Shd.	4.13
10	57	00	=	27.20 —	1.15

Hydro. at 11 00 am 33.0 Dry B = 63.2 F W.B. = 45.9 F. air Temp 22.0 C

mean air T. 21.4

Sky 0 ⊙ clear air T. 22.4 C Obs H

2	52	20	Shd	24.30	
2	54	00	—	24.40	0.10
2	54	20	Expl	25.02	
2	56	00	—	28.40	3.38 + 0.32 = 3.70
2	56	20	Shd	28.55	
2	58	00	—	28.00	0.55
2	58	20	Expl	28.49	
3	00	00	—	31.35	2.86 + 0.78 = 3.64
3	00	20	Shd	31.30	3.67
3	02	00	—	30.30	1.00

air T 20.3 C

Hydro 32.0 at 3 05 DB 65.0 F WB 47.5 F Mean air T. 21.3 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Sunday Aug 20th/15

Obs W

Sky 0 ⊙ clear Air T = 26.0 C

11. 40. 20	Shd =	17.68		
– 42 00	–	17.74	= –	0.06
42 20	Sup	18.40		
44 00	–	22.22	=	3.82 + 0.23 = 4.05
44 20	Shd	22.20		
46 00	–	21.80		0.40
46 20	Sup	22.54		
48 00	–	26.00		3.46 + 054 = 4.00
48 20	Shd	25.82		0.68 4.025
50 00	–	25.14		Air T = 27.0 C

Hygro = 30.0 at 1030 Dry B = 72.5 F. Wet B = 50.0 F

Mean Air T = 26.5 C

Sky = 2 Cu ⊙ clear. Air T = 23.2 C

3. 06 20.	= Shd =	23.40		
– 08 00	–	= 23.40	=	.00
08 20	Sup	= 24.46		
10 00	–	= 27.40		2.94 + 0.28 = 3.22
10 20	Shd	27.28		
12 00		26.72		0.56.
12 20	Sup	= 27.30		
14 00	–	= 30.20		2.90 + =
14 20	Shd	= 30.04		
16 00	–	= 29.10		.94 Air T =

Hygro = at Wet B = F. Dry B = F. Mean Air T =

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7706

Sunday Aug 20th/15

Sky = 2. Cu Air T = 23.0 (W Obs

3	31	20	Std	25.50	
	33	00		25 46	= + 0 04
	33	20	Dif	26. 32	
	35	00		29. 00	2.68 + 037 = 3.05
	35	20	Std	28. 90	
	37	00		28 20	0 .70
	37	20	Dif	28. 70	
	39	00		31. 32	2.62 + 052 = 3.14
	39	20	Std	31. 16	3.085
	41.	00	—	30. 82	- 034 Air T = 22.5

Hygro = 32.0 at 4:00 Wet B = 50.6 Dry B = 40.2 Mean Air = 22.25

1915phae.proj..770

Saturday Aug 22nd /15

Obs W

Sky T' Cu. ⊙ clear. Air T = 27.0 C

10 08 20 = Shd = 17.60

10 00 = Shd = 17.70 = − 0.10

10 20 Esp = 18.40

12 00 = 21.90 3.50 + 0.25 = 3.75

12 20 Sha = 21.84

14 00 = 21.44 0.40

14 20 Esp = 22.02

16 00 = 25.20 3.18 + 0.56 = 3.74

16 20 Shd = 25.12 0.72 3.74.5

18 00 = 24.40 Air T = 27.0 C

Hygro = 36 oak. 10 30 Dry B = 70.0 f. Wet B = 51.0 f. Mean Air = 27.0 C

"

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Sunday aug 22
Light clouds Fine pere
at 1 am.

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Monday Aug 23rd 1915

Sky 0 0 clear. W Obs

10. 18. 20 Thd = 16.62 Air T = 24.2

20 00 — = 16.70 = −0.08.

20 20 Obs 17.68

22 00 — = 21.50 = 3.82 + 0.27 = 4.09

22 20 Thd 21.46

24 00 — = 21.00 = 0.46

24 20 Obs 21.70

26 00 — 25.24 3.54 + 0.91 = 4.45

26 20 Thd 26.06 1.36

28 00 — 24.70 Air T = C

Hygro = at . Dry B = Wet B = Mean Air = C

This observation spoilt by shadow from verandah.

Sky 0 0 clear — Air T = 20.2 C

10 43.20 Thd = 21.68

45 00 — = 21.70 = −0.02

45 20 Obs = 22.38

47 00 — = 26.20 = 3.82 + 0.42 = 4.24

47 20 Thd 26.12

49 00 — 25.30 0.82

49 20 Obs 26.30

51 00 — 29.20 2.90 + 0.99 = 3.89

51 20 Thd 28.96 4.062

53 00 — 27.80 1.16

Air T 19.6 C

Hygro = 33 0 at 10 00 Dry B = 64.2 Wet B = 47.0

Mean Air T = 19.9 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770c

854
+27

11 Monday Aug 23rd 15

Sky 0 6 clear

W Wb

Air T 20.3 C.

2.	33.20	Hd	=	18 ~~18~~	
	35 00	—	=	18.18	= 0 08.
	35 20	Hp	=	18 90	
	37 00	—		22.38	= 3.48 + 0.31 = 3.79
	37 20	Hd		22 36	
	39 00	—		21.82	0.54
	39 20	Hp		22.50	
	41 00	—		25.60	3.10 + 0.74 3.84
	41 20	Hd		25.52	0.94 3.812
	43 00	—		24.58	Air T = 22.0 C.

Hygro = 34.0 at 2.00 Dry B = 63.7 Wet B = 47.0 Mean Air T = 21.1 C

763
351

1915phae.proj..770C

Sunday Aug 27th 1915 Alt W.

Sky. H ◐ Clear. ⊙ clear

10	31	20	Shd =	16 62	Air T = 23.2 C
—	33	00	— =	16 74 =	− 0.12
—	33	20	Exp =	17.50	
—	35	00	—	21.46 =	3.96 + 0.26 = 4.22
—	35	20	Shd	21.40	
—	37	00	—	21.00 =	0.40
—	37	20	Exp	21.70	
—	39	00	—	25.20 =	3.50 + 065 = 4.15
—	39	20	Shd	25.10	4.185
—	41	00	—	24.20	0.90 Air T = 25.0 C

Hygro = 38.0 at 10.30 Dry B = 41.0 F Wet B = 52.0 F Mean Air = 24.1 C

Sky T ~~0~~ 1 ⊙ clear " Air T = 23.2 C

2.	39	20	Shd =	18.20	
	41	00	— =	18.38	− 0.18
	41.	20	Exp	19.10	
	43	00	—	22.80 =	3.70 + 0.33 = 4.03
	43	20	Shd	22.78	
	45	00	—	22.30	0.48
	45	20	Exp	22.92	
	47	00	—	26.12	3.20 + 0.65 = 3 85
	47	20	Shd	26.00	0.82 3.94
	49	00	—	25.18	Air T = 25.0 C

Hygro = 35 at 2.30 Dry B = 69.5 F. Wet B = 50.5 F Mean Air T = 24.1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770c

Saturday Aug 28th/15

Sky T Cu. ⊙ clear Obs W

10 13 20	Shd	= 16.74			Air T = 20.5 C
— 15.00	—	= 16.88	= −0.14		
— 15.20	Obs	= 17.62.			
— 17.00.	—	= 21.70	= 4.08 + 0.30	= 4.38	
— 17.20	Shd	= 21.66.			
— 19.00	—	= 21.20	= 0.46		
— 19.20	Obs	= 21.82			
— 21.00	—	= 25.32.	= 3.50 + 0.71	= 4.21	
— 21.20	Shd	= 25.22.		4.295	
— 23.00	—	= 24.26	= 0.96		Air T = 24.5 C

Hygro = 39.0 at 10.20. Dry B = 70.0 F. Wet B = 51.6 F. Mean Air T = 22.5 C

Sky T Cu. ⊙ clear Air T. 21.0 C

1.04 20	Shd	= 18.18			
06 00	—	18.28	= −0.10		
06 20	Obs	18.98			
08 00	—	22.90	= 3.92 + 0.29	= 4.21	
08 20	Shd	22.86			
10 00	—	22.38.	= 0.48		
10 20	Obs	23.00.			
12.00		26.40	= 3.40 + 0.73	= 4.13	
12.20	Shd	26.28	.98	Mean = 4.17	
14.00	—	25.30			Air T = 22.0 C

Hygro = 38.0 at 1.00 Dry B = 68.0 F. Wet B = 49.8 F. Mean Air = 21.5 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Sunday aug 29, 1915 — Obsr JG

sky 0 ⊙ clear — air T 21.0 C.

12 54 20	Shd	17.69		
12 56 00	—	17.93	0.24	
12 56 20	Exp	18.70		
12 58 00	—	22.80	4.10 + 0.36 =	4.46
12 58 20	Shd	22.88		
1 00 00	—	22.41	0.47	
1 00 20	Exp	23.10		
1 02 00	—	26.55	3.45 + 0.65 =	4.10
1 02 20	Shd.	26.53		4.28
1 04 00	—	25.70	0.83	

Hygro 43.0 at 1 07 D. 13.5 F Br. B. 50.37 air Tem 21.9 C.

mean air T. 21.4

air Temp 19.56

sky 0 ⊙ clear

3 02 20	Shd	28.10	
3 04 00	—	28.09	
3 04 20	Exp	28.88	
3 06 00	—	32.20	
3 06 20	Shd	32.25	
3 08 00	—	31.55	
3 08 20	Exp	31.98	
3 10 00	—		
3 10 20	Shd		
	—		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Sunday aug 29. 1915

Obsr H

sky 0 ⊙ clear air Temp 19.7 C

3	10	20	shd	30.02	Haze in atmosh and thin
3	12	00	—	31.93	cloudy.
3	12	20	Exp N		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Monday Aug 30th 1915

Sky 2 8 cp. ⊙ clear W. Obs

Air T = 21.0 C

10	36.20	Shd	16.26		
–	38 00	–	16.32	= – 0.06	
	38 20	Exp	17.18		
	40 00	–	21.08	= 3.90 + 0.24	= 4.14
	40 20	Shd	20.98		
	42 00	–	20.50	= 0.48	
	42 20	Exp	21.12		
	44 00	–	24.60	= 3.48 + 0.68	= 4.16
	44 20	Shd	24.48	Mean =	4.165
	46 00	–	23.60	0.88	

Air T = 23.0 C

Hygro = 35.0 at 10.00 Dry B = 64.0 F. Wet B = 50.2 F. Mean Air = 22.8 C

Sky Cu 1 p. ⊙ clear Air T 19.6 C

3	16.20	Shd	19.82		
	18 00	–	19.84	= – 0.04	
	18 20	Exp	20.60		
	20 00	–	23.92	= 3.32 + 0.32	= 3.64
	20 20	Shd	23.86		
	22 00	–	23.26	0.60	
	22 20	Exp	23.88		
	24 00	–	26.68	2.80 + 0.81	= 3.61
	24 20	Shd	26.60		3.625
	26 00	–	25.58	1.02	

Air T = 19.6 C

Hygro = 44.0 at 2.30 Dry B = 62.8 F. Wet B = 50.0 F. Mean Air T = 19.6 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Monday Sept 6th 15.

Sky 2 Cu. ⊙ clear Air T = 24.5 C Obs W

10 0h. 20 Shd = 18°00'.
09 00 T = 18 10 = -0.10
09 20 Sbp = 18 90
11 00 T = 22.82 = 3.92+0.29=4.21
11 20 Shd = 22.78.
13 00 T = 22.30 = 0.48
13 20 Sbp = 22.96
15 00 T = 26.40 = 3.44+0.66=4.10
15 20 Shd = 26.28 = 0.84 4.15
17 00 T = 25.44 Air T = 25.0 C

Hygro = 38.0 at 10.00 Dry B = 42.2 F. Wet B = ~~52.6~~ 52.0 F. Mean Air = 24.4 C

Sky Cu 2 ⊙ clear = Air T = 22.0 C

2 56. 20 Shd = 22.68.
58 00 T = 22.68 = 0.00
58 20 Sbp = 23.38
00 00 T = 26.90 = 3.52+0.30 = 3.82
00 20 Shd = 26.82
02 00 T = 26.22 = 0.60.
02 20 Sbp = 26.80
04 00 T = 29.76 = 2.96+84 =3.80
04 20 Shd = 29.70 Mean = 3.81.
06 00 T = 28.62 = 1.08 Air T = 21.4

Hygro = 42.0 at 2.00 Dry B = 67.8 F. Wet B = 52.8 F. Mean Air T = 21.7 C

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Tuesday Sept 7. 1915 — 26.

Sky 1 len ⊙ clear — air Temp. 24.06.

1 13 20	Shd	19.96			
1 15 00	—	20.10 = 0.14.			
1 15 20	Exp	20.95			
1 17 00	—	24.94 = 3.99.	+ 0.31 =		4.30
1 17 20	Shd	25.00			
1 19 00	—	24.52 = 0.48.			
1 19 20	Exp	25.20			
1 21 00	—	28.65 = 3.45.	+ 0.66		4.11
1 21 20	Shd	28.55			8.41
1 23 00	—	27.72 = 0.83.		mean =	4.20

air Temp 24.06

Hygro. 35.0 at 1 25 D. B. 70.6 F. W. B. 53.2 F. mean air 24.0

Sky 1 len ⊙ clear — a Temp 20.5 26

3 54 20	Shd	22.10			
3 56 00	—	22.05	0.05		
3 56 20	Exp	22.65			
3 58 00	—	25.92	3.27 + 0.20 =		3.57
3 58 20	Shd	25.95			
4 00 00	—	25.40	0.55		
4 00 20	Exp	25.91			
4 02 00	—	28.59	2.68 + 0.76 =		3.44
4 02 20	Shd	28.54		mean =	3.50
4 04 00	—	27.57	0.97	air T 19.9	

mean air 20.2

Hygro 34.0 at 4 05 D B 67.8 F. W. B 51.2 F

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Wednesday Sept 8th/15

Sky 2 Cu ⊙ clear Obs 45

10. 04. 20 Shd - 17.20. Air T = 26.5 C

06 00 T = 17.26 = -0.06

06 20 Exp - 18 08

08 00 T = 21.68 = 3.60 + 0.24 = 3.84

08. 20 Shd 21.62 -

10 00 - 21 20 0.42

10 20 Exp 21.84

12 00. - 24.98 3.14 + 0.69 3.83

12 20 Shd 24.84 .96 3.835

14.00 - 23.88 Air T = 27.5 C

Hygro = 35.0 at 9.50 Day B = 40.0 ± Wk B = 52.2 ± Mean Air T = 27.5 C

Sky 2 Cu ⊙ clear

3. 45. 20 Shd 22.10 Air T 24°.0 C

47 00 - 22.10 0.00

47 20 Exp 22.76

49 00 - 26 00 = 3.24 + 0.31 = 3.55

49 20 Shd 25.90

51 00 - 25.28 = 0.62

51 20 Exp 25.88

53.00 T 28.56 = 2.68 + 0.78 = 3.46

53.20 Shd 28.42 Mean = 3.50

55.00 - 27.48 - 0.94 Air T = 23.5 C

Hygro = 36.0 at 3.00 Day B = 68.0 Wk B = 51.0 ±, Mean Air = 23.7 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Thursday Sept 9. 1915

Sky 2 len ⊙ clear air Temp 22.06

1	05	20	Shd	18.60		
1	07	00	—	18.79	0.19	
1	07	20	Exp	19.05		
1	09	00	—	23.50	3.95 + 0.31 =	4.26
1	09	20	Shd	23.57		
1	11	00	—	23.14	0.43	
1	11	20	Exp	23.75		
1	13	00	—	27.27	3.52 + 0.64 =	4.16
1	13	20	Shd	27.23	mean =	4.21
1	15	00	—	26.39	0.84	

air Temp 24.1

mean air Temp 23.0

Hygro 37.0 at 1 17 D 13 69.9 F W. B. 51.4 F.

Sky 2 len ⊙ clear air temp 23.0 C

2	57	20	Shd	22.90		
2	59	00	—	22.93	0.03	
2	59	20	Exp	23.63		
3	01	00	Exp	27.04	3.41 + 0.28 =	3.69
3	01	20	Shd	27.00		
3	03	00	—	26.48	0.52	
3	03	20	Exp	26.95		
3	05	00	—	29.85	2.90 + 0.74 =	3.64
3	05	20	Shd	29.99	mean =	3.665
3	07	00	—	29.03	0.96	

air temp 22.46

mean " 22.76

Hygro 35.0 at 3 09 D 13 69.8 F W. 13. 51.1 F

Light clouds near sun at close

1915phae.proj..7704

Sunday Sept 10 1915

Sky 2 Cu. Obs W.

9 17.20 Std = 17.72. Air T = 26.0 C

19 00 — = 17.74 = 0.02.

19 20 Std 18.54

21.00 — 22.28 = 3.74 + 0.23 = 3.97

21.20 Std 22.20

23.00 — 21.76 = 0.44

23.20 Std 22.34

25.00 — 25.20 = 2.86 + 078 = 3.64

25.20 Std 25.12. Mean = 3.80

27.00 — 24.00 = 1.12.

Hygro = 38.0 at 8.30 Wet B. 49.0 Dry B. 67.0 Air T = 28.0 C

Mean Air = 27.0

Sky 2 Cu Air T = 24.2 C.

12. 38 20 Std 23.40

40 00 — = 23.42 — 0.02.

40 20 Std = 24.24

42.00 — 28.02 = 3.78 + 0.34 = 4.12.

42.20 Std 27.96

44 00 — 27.30 = 0.66

44 20 Std 28.00

46.00 31.22. = 3.22 + 087 = 4.09

46.20 Std 31.04 4.10

48.00 — 29.96 = 1.08

Air T = 24.8 C.

Hygro = 36.0 at 12.00 Dry B = 68.0 Wet B = 50.0 Mean Air = 24.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Saturday Sept. 11th 15

W. Obs

Sky 2. Cu Air T - 26.8 C.

10. 18.20 Shd - 17.74

20 00 T 17.80 = 0.06

20.20 Exp 18.50

22.00 T 22.44 = 3.94 + 0.25 = 4.19

22.20 Shd 22.36

24 00 T 21.92 = 0.44

24 20 Exp 22.68

26 00 T 26.16 - 3.48 + 0.65 = 4.13

26 20 Shd 25.98 Mean - 4.16

28 00 T 25.12 = 0.86 Air T = 26.2

Dyno = 39.0 at 9.50 Dry B = 68.0 Wet B = 50.5 Mean Air = 26.5

Sky. H Cirrus, ⊙ clear Air T - 22.0 C.

3. 22.20 Shd - 22.34

24 00 T 22.40 = 0.06

24.20 Exp 23.16

26 00 T 26.68 = 3.52 + 0.29 = 3.81

26 20 Shd 26.60

28 00 T 26.08 = 0.52 ~~+.06~~

28 20 Exp 26.60

30 00 T 29.40 = 2.80 + 0.82. 3.62

30 20 Shd 29.22

32 00 - 28.10 = 1.12. Air T ~~= 23.0~~

Dyno - 37.0 at 3.00 Dry B - 68.0 Wet B - 58.0 Mean Air = 22.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Monday Febr 13th/15

W Obs.

Sky 0 0 Clear. Air T = 20.0

10 39 20 Shd = 17.38

41 00 — 17.46 = 0.08

41 20 Sky = 18 30

43 00 — 22 28 — 3.98 + 0.28 = 4.26

43 20 Shd 22: 20

45 00 21 72. = 0.48

45 20 Sky 22 38

47 00 25 90 = 3.52 + 0.76 4.28

47 20 Shd 25 76 4.27

49 00 — 24.72 = 1.04 Air T = 22.5

Hygro = 38.0 at 1030 Dry B. 67.0 Wet B. 50.0 Mean Air = 22.2

Sky 3. Cucl. Air T = 22.4

2 9. 20. Shd = 18.62

11. 00 — = 18.68 — 0.06

11. 20 Sky = 19 40

13 00 23.18 = 3.78 + 0.33 = 4.11

13 20 Shd 23.68

15.00 — 22.68 = 0.60

15.20 Sky 23.18

17 00 — 26.44 = 3.268 + 0.73 = 3.99

17 20 Shd 26.32 4.05

19 00 — 25.46 — 0.86 Air T = 25.2

Hygro = 35.0 at 1.40 Dry B. 66.6 Wet B. 49.8 Mean Air = 23.8

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Tuesday Sept 14th/15

Sky Cu 2. Obs W

Air T = 22.0 C

~~2~~	~~30~~	~~20~~	~~Std~~	19	
2	30	20	Std =	18.12	
—	32	00	—	18.14	= 0.02
—	32	20	Std	19.78	
—	34	00	—	22.60	3.12 + 0.25 = 3.37
—	34	20	Std	22.48	
—	36	00	—	22.00	= 0.48
—	36	20	Std	22.62	
—	38	00	—	25.82	= 3.20
—	38	20	Std	25.68	
—	40	00	—	24.70	

Hygro = at Dry B = Wet B = Air T = Mean Air =

Sky 2 Cu 0 clear Air T 23° C

2	41	20	Std.	23.78	
—	43	00	—	23.72	= 0.06
—	43	20	Std	24.12	
—	45	00	—	27.14	= 3.02 + 0.57 = 3.53
—	45	20	Std	26.96	
—	47	00	—	26.00	= 0.96
—	47	20	Std	26.64	
—	49	00	—	29.36	= 2.72 + 0.94 = 3.66
—	49	20	Std	29.12	3.59
—	51	00	—	28.20	0.92 Air T = 24.0 C

Hygro = 400 at 3.00 Dry B = 65.2. Wet B = 49.2. Mean Air T = 23.5 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Tuesday Sept 14th/15 @ WOb

Sky. 3 Cu ⊙ clear

Air T 23° C

H	16 20	Shd	20.26		
—	18 00	—	20.30	= - 0.04	
H	18 20	Obs	= 20.82.		
—	20 00	—	23.90	= 3.08 + 0.31	= 3.39
	20 20	Shd	23.78		
	22 00	—	23.20	= 0.58	
	22 20	Obs	23.72.		
	24 00	—	26.10	= 2.38 + 0.84	= 3.22
	24 20	Shd	25.92	=	Mean = 3.30
	26 00	—	24.82.	= 1.10	

~~26 20~~

Air T = 20° C

Hygro = H2 pat. H 20 Wet B = 46.2 F. Dry B = 62.5 F, Mean Air T = 21.5 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Wednesday Sept 15. 1915.

Sky 2 Cu ⊙ clear air Temp 19.96

Obsr H

12 54 20	Shd	17.48.		
12 56 00	—	17.60.	0.12	
12 56 20	Exp	18.40		
12 58 00	—	22.33	3.95 + 0.30 =	4.25
12 58 20	Shd	22.49.		
1 00 00	—	22.00.	0.49	
1 00 20	Exp	22.71		
1 02 00	—	26.13	3.42 + 0.72 =	4.14
1 02 20	Shd	26.15		mean = 4.195
1 04 00	—	25.21	0.94	air Temp 21.46.

mean " " 20.66.

Hygro 42.0 at 1 07 D B 65.4 F W B 48.9 F

Obsr. H.

Sky 0 ⊙ clear air Temp 19.36

3 27 20	Shd	19.70.		
3 29 00	—	19.72	0.02	
3 29 20	Exp	20.43		
3 31 00	—	23.72	3.29 + 0.30 =	3.59
3 31 20	Shd	23.77		
3 33 00	—	23.19	0.58	
3 33 20	Exp	23.70		
3 35 00	—	26.45	2.75 + 0.76	3.51
3 35 20	Shd	26.33		3.55
3 37 00	—	25.40	0.93	air Temp 21.3 c

mean " " 20.3

Hygro 46.0 at 3.40 D B 62.8 F W B. 50.8 F

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Thursday Sept 16 /15 Obs W

Sky 0 ⊙ clear Air T = 18.5 C

9	59 20	Thd	= 16 65		
10	01 00	T	= 16 70	= -0.05	
–	01 20	Thp	= 17.50		
	03 00	T	21.48	= 3.98 + 0.29	= 4.27
	03 20	Thd	21.42		
	05 00	T	20.88	– 0.54	
	05 20	Thp	21.50		
	07 00	T	24.96	= 3.46 + 0.80	= 4.26
	07 20	Thd	24.80		
	09 00	–	23.74	= 1.06	4.265
~~09~~	~~20~~				Air T = 18.5 C

Hygro = 43.0 at 9.50 Dry B = 62.5 Wet B = 47.1 Mean Air T = 18.5 C

Sky 0 ~~⊙ clear~~ Air T = 24.0 C

1.	23 20	Thd	= 17.70		
	25 00	T	= 17.94	– 0.24	
	25 20	Thp	= 18 76		
	27 00	T	= 22.68	= 3.92 + 0.35	= 4.27
	27 20	Thd	= 22.60		
	29 00	T	= 22.14	= 0.46	
	29 20	Thp	= 22 88		
	31 00	T	= 26.~~94~~44	= 3.56 + 064	= 4.20
	31 20	Thd	= 26 90	= 0.82	4.23
	33 00	T	= 25.38		Air T = 25.0 C

Hygro = 36.0 at 1.50 Dry B = 69.8 Wet B 49.8 Mean Air T 24.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Sunday Sept 17/15

Sky 0 ⊙ clear Obs W

12. 21 20 Std = 17.68 Air T = 21.0 C

23 00 — — 17.72 = — 0.04

23 20 Std 18.58

25 00 — 22.66 = 4.08 + 0.26 = 4.34

25 20 Std 22.58

27 00 — 22.10 = 0.48

27 20 Std 22.82

29 00 — 26.46 = 3.64 + 0.69 = 4.33

29 20 Std 26.30 4.335

31 00 — 25.40 = 0.90 Air T = 23.2

Hygro = 38.0 at 12.00 Dry B = 67.8 Wet B = 48.4 Mean Air T = 22.1

Air T = 21.0 C

Sky 0 ⊙ clear

3. 27 20 Std 19.00.

29 00 — — 19.04 = — 0.04

29 20 Std = 19.72.

31 00 — 23.24 = 3.54 + 0.30 = 3.84

31 20 Std 23.20

33 00 — 22.64 = 0.56

33 20 Std 23.22

35 00 ~~25~~ 26 28 = 3.06 + 0.75 = 3.81

35 20 Std = ~~25~~ 26 14 = 3.825

37 00 — — 25.20 . 94 Air T = 22.0 C

Hygro = 38.0 at 1.40 Dry B = 65.2 Wet B = 49.0 Mean Air T = 21.5 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7706

Saturday Sept 18th/15

Obs W

Sky 0 ⊙ clear Air T - 20.0 C

10	27 20	Shd	= 15.55		
"	29 00	⊙	= 15.70	=	0.15
"	29 20	Exp	= 16.48		
"	31 00	⊙	= 20.70	=	4.22 + 0.31 = 4.53
"	31 20	Shd	= 20.62		
"	33 00	⊙	= 20.14	=	0.48
"	33 20	Exp	= 20.90		
"	35 00	⊙	= 24.48	=	3.58 + 0.82 = 4.40
"	35 20	Shd	= 24.40	=	1.16
"	37 00	—	= 23.24		4.465

Air T = 22.0 C

Hygro = 42.0 at 10.20 Dry B 64.6 Wet B = 48.0 F. Mean Air = 21.0 C

Sky 0 ⊙ clear Air T - 19°.0 C

1	42 20	Shd	= 16.96		
"	44 00	⊙	= 17.04	=	0.08
"	44 20	Exp	= 17.82		
"	46 00	⊙	= 21.72	=	3.90 + 0.31 = 4.21
"	46 20	Shd	= 21.64		
"	48 00	⊙	= 21.10	=	0.54
"	48 20	Exp	= 21.92		
"	50 00	⊙	= 25.20	=	3.28 + 0.82 = 4.10
"	50 20	Shd	= 25.04		4.155
"	52 00	—	= 23.94	=	1.10

Air T. 21.0 C

Hygro 39.0 at 2.00 Dry B 64.0 Wet B 47.5 F Mean Air = 20.0 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

~~Saturday~~ Sunday Sept 19. 1915 Obsr JG

Sky 1 bls ⊙ clear dir Temp. 18.9 6.

1	03	20	Shd	16.54	
1	05	00	—	16.68.	0.14
1	05	20	Expr	17.43	
1	07	00	—	21.41	3.98 + 0.31 = 4.29
1	07	20	Shd	21.43	
1	09	00	—	20.97	0.48
1	09	20	Expr	21.59	
1	11	00	—	25.05	3.46 + 0.70 = 4.16
1	11	20	Shd	24.98	mean = 4.225
1	13	00	—	24.06	0.93

air Temp 21.06
mean " - 20.06

Hygro 43.0 at 1 15 D/B 65.0 F W.B. 46.8 F

Obsr K.

Sky 0 ⊙ clear air Temp 20.9 6.

2	56	20	shd	18.09	
2	58	00	—	18.10	0.01
2	58	20	Expr.	18.81	
3	00	00	—	22.28	3.47 + 0.30 = 3.77
3	00	20	Shd	22.48	
3	02	00	~~Shd~~ Expr	21.89	0.59
3	02	20	Expr	22.40	
3	04	00	~~Shd~~	25.34	2.94 + 0.78 = 3.72
3	04	20	Shd	25.39	mean = 3.745
3	06	00	—	24.41	0.98

air Temp 22.66
mean " 21.86

Hygro 47.0 at 3 11 D/B 63.4 F W.B. 48.2 F.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Monday Sept 20th 15

Sky ⊙ ⊙ clear Obs W

9.	30 20	Shd	= 15.48	Air T = 19°0 C	
—	32 00	—	= 15.60	= 0.12	
—	32 20	Obs	= 16.38		
—	34 00	—	20.36	= 3.98 + 0.34	= 4.32
—	34 20	Shd	20.22		
—	36 00	—	19.66	= 0.56	
—	36 20	Obs	20.34		
—	38 00	—	23.80	= 3.46 + 0.82	= 4.28
—	38.20	Shd	23.64		4.30
—	40 00	—	22.56	= 1.08	Air T = 22° C

Hygro = 41.0 at 10 00 Dry B = 65.2 Wet B = 50.0 Mean Air = 20.5 C

Sky ⊙ ⊙ clear

3	08 20	Shd	17.88	Air T = 21.5	
10	00	—	17.90	= − 0.02	
10	20	Obs	18 52		
12	00	—	22.00	= 3.48 + 0.24	= 3.72
12	20	Shd	21 92		
14	00	—	21.46	= 0.46	
14	20	Obs	22.02		
16	00	—	24.94	= 2.92 + 0.69	= 3.61
16	20	Shd	24 82		3.66
18	00	—	23.90	0.92	Air T = 22° C

Hygro = 43.0 at 3.00 Dry B = 64.8 Wet B = 49.0 Mean Air = 21.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Tuesday Sept 21. 1915

Sky 0 ⊙ clear air Temp 23.96

12 34 20	Shd	17.00				
12 36 00	—	17.18	0.18			
12 36 20	Expl	18.01				
12 38 00	—	22.10	4.09	+ 0.30 =		4.39
12 38 20	Shd	22.40				
12 40 00	—	30.62	0.42			
12 40 20	Expl	22.20				
12 42 00	—	25.40	3.15	+ 0.58 =		3.73
12 42 20	Shd	25.85				
12 44 00	—	25.10	0.75			

Obsr H.

Sky 0 ⊙ clear. air Temp 27.5/6

12 49 20	Shd	24.55				
12 51 00	—					
	Expl					
	—					
	Shd					
	—					
	Expl					
	—					
	Shd					
	—					

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

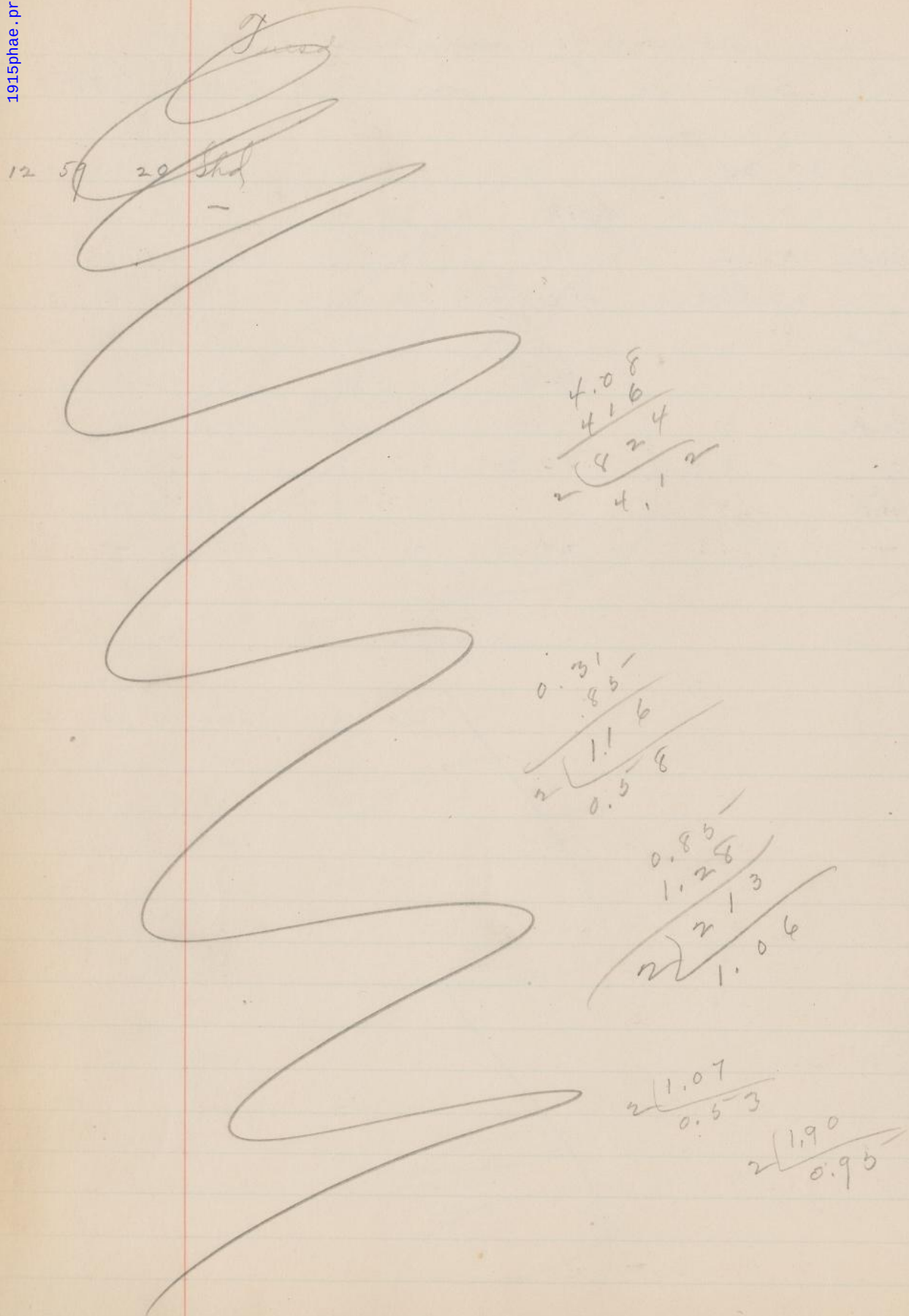
Tuesday Sept 21. 1915 —

Sky 0 / ⊙ clear. / air Temp / 25.0

12 52 20	Shd	23.30	
12 54 00	—	23.30	0.00
12 54 20	Exp	24.10	
12 56 00	—	27.80	
12 56 20	Shd		
	—		
	Exp		
	—		
	Shd		
	—		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C



John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770

9//

Tuesday Sept 21. 1915 — Obsr H6.

Sky 0 ⊙ clear air Temp 24.9 6

1 01 20	Shd	26.38			
1 03 00	—	26.07	0.31		
1 03 20	Exp	26.80			
1 05 00	—	30.30	3.50 + 0.58	=	4.08
1 05 20	Shd	30.30			
1 07 00	—	29.45	0.85		
1 07 20	Exp	29.95			
1 09 00	—	33.05	3.10 + 1.06		4.16
1 09 20	Shd	32.98		mean	4.12
1 11 00	—	31.70	1.28	air Temp	24.0 6
				mean " "	24.4 6

Hygro. 37.0 at 1 14 D B 68.9 F W B. 48.9 F

Sky 0 ⊙ clear air Temp 20.9 6

3 28 20	Shd	18.91			
3 30 00	—	18.98	0.07		
3 30 20	Exp	19.63			
3 32 00	—	23.04	3.41 + 0.53	=	3.94
3 32 20	Shd	23.21			
3 34 00	—	22.21	1.00		
3 34 20	Exp	23.21			
3 36 00	—	26.11	2.90 + 0.95		3.85
3 36 20	Shd	26.07		mean =	3.895
3 38 00	—	25.17	0.90	air Temp	23.9 6
				mean " "	22.4 6

Hygro 39.0 at 3 40. D B 66.4 F W B 48.8 F

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Wednesday Sept 22 1915

Obs W

Sky 0 ⊙ clear

10	00	20	Shd	= 15.98	Air T = 19.0 C
	02	00		16.06 = − 0.08	
	02	20	Exp	16.88	
	04	00		20.96 = 4.08 + 0.29 = 4.37	
	04	20	Shd	20.90	
	06	00		20.40 = 0.50	
	06	20	Exp	21.10	
	08	00		24.66 = 2.56 + 0.74 = 4.30	
	08	20	Shd	24.48	Mean = 4.33
	10	00		23.50 = 0.98	Air T = 22° C

Hygro = 33.0 at 10.10 Dry B = 68.0 Wet B = 48.0 Mean Air T = 20.5

Sky 0 ⊙ clear Air T = 21° C

12	43	20	Shd	= 17.20	
	45	00		= 17.26 = − 0.06	
	45	20	Exp	= 16.08	
	47	00		22.22 = 4.14 + 0.28 = 4.42	
	47	20	Shd	22.10	
	49	00		21.60 = 0.50	
	49	20	Exp	22.30	
	51	00		26.00 = 3.70 + 0.73 = 4.43	
	51	20	Shd	25.88	Mean = 4.42
	53	00		24.92 = 0.96	

Air T = 24° C

Hygro = 30.0 at 1.00 Dry B = 64.0 Wet B = 48.8 Mean Air T = 22.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Thursday Sept 23rd /15

Obs W.

Sky 0 ⊙ clear Air T - 20.5

11.	58.20	Shd	= 16.40		
12.	00 00.		= 16.54	= - 0.14	
	00 20	Sh	= 17.36		
	02 00		= 21.60	= 4.24 + 0.33	= 4.57
	02 20	Shd	= 21.52.		
	04 00		= 21.00	- 0.52.	
	04 20	Sh	= 21.68		
	06 00		= 25.44	= 3.76 + 0.78	= 4.54
	06 20	Shd	= 25.30		Mean = 4.55
	08 00		= 24.26	1.04	Air T = 23.0

Hygro = 34.0 at 12 00 Dry B = 66.2 Wet B = 56.6 Mean Air T = 21.7

Sky 0 ⊙ clear Air T - 19.5

3	21 20	Shd	= 18.12.		
	23 00		= 18.18	= - 0.06	
	23 20	Sh	= 18.90		
	25 00		= 22.80	- 3.90 + 0.30	= 4.20
	25 20	Shd	= 22.74		
	27 00		= 22.20	= 0.54	
	27 20	Sh	= 22.84		
	29 00		= 25.90	- 3.06 + .60	= 3.86
	29 20	Shd	= 25.72.		4.03
	31 00		= 24.66	= 1.06	Air T = 22°

Hygro = 40.0 at 3 40 Dry B = 64.0 Wet B = 49.0 Mean Air = 20.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

Friday Sept 24 1915 — Obsr H.

Sky 0 ⊙ clear air Temp 24.0°

12 14 20	Shd	16 73				
12 16 00	—	16 99	0.26			
12 16 20	Expr	17 60				
12 18 00	—	21.90	4.30	+ 0.35	=	4.65
12 18 20	Shd	22.08				
12 20 00	—	21.63	0.45	Descarded		
12 20 20	Expr	22.33				
12 22 00	—	26.00	3.67	+ 0.63	=	4.30
12 22 20	Shd	25.92				
12 24 00	—	25.01	0.91			

Sky 0 ⊙ clear air Temp 26.0°

12 26 20	Shd	24.13				
12 28 00	—	23.68	0.45			
12 28 20	Expr	24.22				
12 30 00	—	27.92	3.70	+ 0.68	=	4.38
12 30 20	Shd	28.92				
12 32 00	—	27.10	0.92			
12 32 20	Expr	27.70				
12 34 00	—	30.85	3.15	+ 1.06	=	4.21
12 34 20	Shd	30.72				
12 36 00	—	29.91	1.21			

air Temp 25.4

mean " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Friday Sept 24. 1915

Sky 0 ⊙ clear air Temp 26.06

12 40 20	Shd	27.29		
12 42 00	—	26.75	0.54	
12 42 20	Exp	27.15		
12 44 00	—	30.22	3.07 + 0.78 =	3.85
12 44 20	Shd	30.63		
12 46 00	—	29.60	1.03	
12 46 20	Exp	30.11		
12 48 00	—	33.19	3.08 + 1.22 =	4.30
12 48 20	Shd	33.10		
12 50 00	—	31.68	1.42	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Friday Sept 24. 1915. Obsr H6

Sky 0 ⊙ 6 clear air Temp 25.3 6

12	54	20	Shd	29.07	
12	56	00	—	28.41	0.66
12	56	20	Exp	29.00	
12	58	00	—	32.35	3.35 + 1.06 = 4.41
12	58	20	Shd.	32.60	
1	00	00	Shd.	31.13	1.47
1	00	20	Exp.	31.60	
1	02	00	Exp	34.60	3.00 + 1.52 = 4.52
1	02	20	Shd.	34.40	mean = 4.465
1	04	00	Shd.	32.83	1.57

air Temp 27.0 6

mean " " 26.1 6

Hygro 33.0 at 1 07 DB 67.7 F WB 47.8 F

Obsr H6.

Sky 0 ⊙ 6 clear air Temp 20.3 6

3	06	20	Shd	18.28	
3	08	00	Shd	18.34	0.06
3	08	20	Exp	19.06	
3	10	00	Exp	22.61	3.55 + 0.28 = 3.83
3	10	20	Shd	22.65	
3	12	00	Shd	22.14	0.51
3	12	20	Exp	22.73	
3	14	00	Exp	25.83	3.10 + 0.72 = 3.82
3	14	20	Shd	25.78	Mean = 3.825
3	16	00	Shd	24.86	0.92

air Temp 22.0 6

mean " " 21.2

Hygro 37.0 at 3 20 DB 64.7 F. WB 47.9 F.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Monday Sept 27th /15

Obs W.

Sky 18 2p ⊘ clear Air T = 19.8

9	15	20	Shd	= 15.54		
–	17	00	–	= 15.62	– 0.08	
–	17	20	Sp	= 16.38		
–	19	00	–	= 20.40	= 4.02 + 0.28	= 4.30
–	19	20	Shd	20.30		
–	21	00	–	19.82	– 0.48	
–	21	20	Sp	20.50		
–	23	00	–	24.02	– 3.52 + 0.68	= 4.20
–	23	20	Shd	23.80		4.25
–	25	00	–	22.92	= 0.88	Air T = 23.0

Hygro = 36.0 at 10.0 Dry B = 66.8 Wet B = 47.2 Mean Air T 21.4

Too Cloudy to obtain 2nd reading. W.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7700

Saturday Oct 2nd 1915

Obs W

Sky 5 Cirrus ⊙ clear Avr T = 21.0 C

10	08	20	Shd	17.52	
	10	00	—	17.60	= 0.08
	10	20	Ssp	18.38	
	12	00	—	22.36	= 3.98 + 0.31 = 4.29
	12	20	Shd	22.24	
	14	00	—	21.70	= 0.54
	14	20	Ssp	22.48	
	16	00	—	25.88	= 3.48 + 0.74 = 4.22
	16	20	Shd	25.74	Mean = 4.25
	18	00	—	24.80	-0.946

Avr T = 21.8

Hygro = 34.0 at 10.00 Wet B = 48.8 Dry B = 67.7 Mean Air = 21.4 C

Sky Cirrus 5. ⊙ clear Avr T = 21.5

1.	04	20	Shd	18.76	
—	06	00	—	18.82	= 0.06
—	06	20	Ssp	19.62	
—	08	00	—	23.66	= 4.04 + 0.28 = 4.32
—	08	20	Shd	23.52	
—	10	00	—	23.02	= 0.50
—	10	20	Ssp	23.74	
—	12	00	—	27.24	= 3.50 + 0.71 = 4.21 / 4.26
—	12	20	Shd	27.02	
—	14	00	—	26.10	= 0.92

Avr T = 23.5

Hygro = 33.0 at 1.00 Wet B = 49.0 Dry B = 69.5 Mean Air = 22.2 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..7704

Tuesday Oct 5. 1915

Sky ○ ⊙ clear air Temp 20.2 C

12 18 20	Shd	17 63		
12 20 00	—	17 78	0.15	
12 20 20	Exp	18 62		
12 22 00	—	22.61	3.99 + 0.30 =	4.29
12 22 20	Sh	22.58		
12 24 00	—	22.13	0.45	
12 24 20	Exp	22.73		
12 26 00	—	26.73	4.00 + 0.46	4.46
12 26 20	Shd	26.22	mean =	4.375
12 28 00	—	25.75	0.47	air Temp 22.1 C
				mean " 21.2 C

Hygro 36.0 at 12 34 DB 69.8 F WB 49.9 F

Sky ○ ⊙ clear air Temp 20.0 C

3 18 20	Shd	19.18		
3 20 00	—	19.20	0.02	
3 20 20	Exp	19.98		
3 22 00	—	23.46	3.48 + 0.27 =	3.75
3 22 20	Shd	23.42		
3 24 00	—	22.90	0.52	
3 24 20	Exp	23.53		
3 26 00	—	26.59	3.06 + 0.74 =	3.80
3 26 20	Shd	26.46	mean =	3.775
3 28 00	—	25.51	0.95	air Temp 0.19 C
				mean " " 0.195 C

Hygro 38.0 at 3 32 DB 67.9 F 50.2 WB F mean " "

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Wednesday Oct. 6th/15

Obs W.

Sky 0 ⊙ clear Air T = 20.0 C

9.	40.	20	Shd	= 16.80		
—	42	00	—	= 16.88	= −0.08	
—	42	20	~~Sh~~	= 17.70		
—	44	00	—	= 21.70	= 4.00 + 0.30 = 4.30	
—	44	20	Shd	= 21.62		
—	46	00	—	21.10	= 0.52	
—	46	20	~~Sh~~	21.82		
—	48	00	—	25.38	= 3.56 + 0.72	= 4.28
—	48	20	Shd	25.20	Mean =	4.29
—	50	00	—	24.28 − 0.92	Air T	= 22.5

Hygro = 380 at 9.20 Dry B = 68.8 Wet B = 50.6. Mean Air = 21.2

Sky 0 ⊙ clear Air T = 22° C

12	59.	20	Shd	= 18.04		
1	01	00	—	18.18	= 0.14	
—	01.	20	~~Sh~~	19.02.		
—	03	00	—	23.04	= 4.02 + 0.31 = 4.33	
—	03	20	Shd	22.98		
—	05	00	—	22.50	= 0.48	
—	05	20	~~Sh~~	23.30		
—	07	00	—	26.80	= 3.50 + 0.71	= 4.21
—	07	20	Shd	26.62	Mean =	4.27
—	09	00	—	25.68	= 0.94	Air T = 26.0

Hygro = 39.0 at 12.30 Wet B. 51.2 Dry B = 69.0 Mean Air = 24.0 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

Thursday Oct 7. 1915

Sky 0 ⊙ clear air Temp 18.26

9	26 20	Shd	16.81	
9	28 00	—	16.95	0.14
9	28 20	Exp	17.20	
9	30 00	—	21.85	4.65 + 0.32 = 4.97
9	30 20	Shd	21.84	
9	32 00	—	21.34	0.50
9	32 20	Exp	21.90	
9	34 00	—	25.50	3.60 + 0.49 = 4.09
9	34 20	Shd	25.54	
9	36 00	—	24.69	0.85

Sky 0 ⊙ Clear air Temp 21.0 b

9	38 20	Shd	23.80	
9	40 00	—	23.35	0.45
9	40 20	Exp	24.10	
9	42 00	—	27.30	3.20 + 0.70 = 3.90
9	42 20	Shd	27.78	
9	44 00	—	26.83	0.95
9	44 20	Exp	27.49	
9	46 00	—	30.61	3.12 + 1.05 = 4.17
9	46 20	Shd	30.35	
9	48 00	—	29.19	1.16

20.5 b

1915phae.proj..770c

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Thursday Oct 7. 1913

Sky o ⊙ clear air Temp 23.06

10	18	20	Shd	22.83		
10	20	00	—	22.71	0.02	
10	20	20	Exp	23.50		
10	22	00	—	27.36	3.86 + 0.39 =	4.25
10	22	20	Shd	27.37		
10	24	00	—	26.61	0.76	
10	24	20	Exp	27.33		
10	26	00	—	30.50	3.17 + 0.94	4.11
10	26	20	Shd	30.31	mean	4.18.
10	28	00	—	29.18	1.13	

air Temp 25.86

Hygro 43.0 at 10 32 mean " " 24.4.

D B 68.1 F W B 51.9 F.

Sky o ⊙ clear air Temp 19.86

3	13	20	Shd	18.91		
3	15	00	—	18.99	0.08	
3	15	20	Exp	19.80		
3	17	00	—	23.40	3.60 + 0.29 =	3.89
3	17	20	Shd	23.39		
3	19	00	—	22.88	0.51	
3	19	20	Exp	23.51		
3	21	00	—	26.62	3.11 + 0.72	3.83
3	21	20	Shd	26.56	mean	3.86
3	23	00	—	25.62	0.94	

air Temp 19.46

mean " 19.66

Hygro 37.0 at 3.26 D B 68.2 F W B 49.9 F.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770c

Sunday Oct 8 1915

Obs W

Sky 2. Cu ⊙ clear Air T = 21

10.	04	20	Shd	=	16.90	
	06	00	–	=	17.00	– 0.10
	06	20	Exp	=	17.76	
	08	00	–	=	22.08	= 4.32 + 0.28 = 4.60
	08	20	Shd	=	21.94	
	10	00	–	=	21.48	= 0.46
	10	20	Exp	=	22.22	
	12	00	–		25.80	= 3.58 + 0.85 = 4.43
	12	20	Shd		~~25.20~~ 64	– 4.52
	14	00	–		24.48	= 1.24 Air T = 25.

Hygro = 35.0 at 10.00 Dry B = 69.0 Wet B = 49.9 Mean Air T = 23.0

Sky 1 Cu ⊙ clear Air T = 23.2

1	16	20	Shd	=	18.32	
–	18	00	–	=	18.44	– 0.12
–	18	20	Exp	=	19.28	
–	20	00	–	=	23.30	= 4.02 + 0.29 = 4.31
–	20	20	Shd	=	23.24	
–	22	00	–	=	22.78	– 0.46
–	22	20	Exp.	=	23.42	
–	24	00	–	=	27.04	= 3.62 + 0.71 = 4.33
–	24	20	Shd	=	26.90	4.32
–	26	00	–	=	25.94	= 0.96 Air T. 25.0

Hygro = 36.0 at 1.40 Dry B = 71.0 Wet B = 52.0 Mean Air T = 24.1

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770t

Saturday Oct 9th 1915

Sky 0 ⊙ clear Obs W

Air T = 20.5 C

9.	H2.	20	Shd	=	16.82	
	H4	00	–	=	16.90	= 0.08
	H4	20	Exp	=	17.70	
	H6	00	–	=	21.64	= 3.94 + 0.26 = 4.20
	H6	20	Shd	=	21.58	
	H8	00	–	=	21.14	= 0.44
	H8	20	Exp	=	21.88	
	50	00	–	=	25.42	= 3.54 + 0.72 = 4.26
	50	20	Shd	=	25.30	Mean = 4.23
	52	00	–	=	24.30	1.00 Air T 22.5

Hygro = 34 at 9.00 Dry B. 68.6 Wet B 50.0 Mean Air T = 21.5 C

Sky. Cirrus ½ ⊙ clear Air T = 25 C

3	H3.	20	Shd	=	19.10	
–	H5	00	–		19.20	= 0.10
–	H5	20	Exp		19.82	
–	H7	00	–		23.22	= 3.40 + 0.29 = 3.69
–	H7	20	Shd		23.16	0.48
–	H9	00	–		22.68	= ~~50~~
–	H9	20	Exp		23.30	
–	51	00	–		26.12	= 2.82 + 0.72 = 3.54
–	51	20	Shd		25.96	3.62
–	53	00	–		25.00	= 0.96 Air T = 25 C

Hygro = 37.0 at 3.30 Dry B = 66.6 Wet B 49.0 Mean Air = 25.0 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770c

Friday Oct 22nd 15

Sky O ⊙ clear Obs W

Air T = 19.0 C

9.	08.20	Shd	= 15.70		
	10 00	—	= 15 82	= 0.12	
	10 20	Obs	= 16.60		
	12 00	—	20 72	= 4.12 + 0.26 =	4.38
	12 20	Shd	20 64		
	14 00	—	20 24	= 0.40	
	14 20	Obs	21 02		
	16 00	—	24 60	= 3.58 + 0.74 =	4.32
	16 20	Shd	24 54		4.35
	18 00	—	23.60 44	= 1.08 Air T =	22.0

Hygro = 35.0 at 8.40 Wet B = 47.5 Dry B = 64.0 Mean Air T = 20.5

Sky Obs T/p. ⊙ clear Air T = 21. C.

12.	49 20	Shd	= 17.20		
	51 00	—	= 17.28	= 0.08	
	51 20	Obs	= 18.08		
	53 00	—	22.20	= 4.12 + 0.31 =	4.43
	53 20	Shd	22 04		
	55 00	—	21.50	= 0.54	
	55 20	Obs	22 22		
	57 00	—	25.74	= 3.52 + 81 =	4.33
	57 20	Shd	25.60	Mean =	4.38
	59 00	—	24.52	= 1.08 Air T =	23.5

Hygro = 34.0 at XII Wet B = 49.0 Dry B = 64.5 Mean Air T = 22.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770t

Saturday Oct 23rd/15

Obs W

Sky 2 Cu ⊙ clear Air T = 18.5 C

10	30.	20	Shd = 16.8		
–	32.	00	–	16.10 =	0.02
–	32	20	Sp = 16.90		
–	34	00	–	= 20.95 –	4.05 + 0.26 = 4.31
–	34	20	Shd	20.90	
–	36	00	–	20.38 =	0.52
–	36	20	Sp	21.04	
–	38	00	–	24.70 =	3.66 + 0.75 = 4.41
–	38	20	Shd	24.48	4.36
	40	00	–	23.50 =	0.98

Air T = 23.5

Hygro = 38.0 at 10 00 Wet B = 47.5 Dry B = 66.8 Mean Air T = ~~21.0~~ 21.0

Too cloudy to get a 2nd reading W

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Wednesday Apr 3rd /15

Abs W

Sky 5 Stratus ⊙ clear Air T = 22.0 C

9	47	20	Shd	= 16.46	
—	49	00	—	= 16.56	— 0.10
—	49	20	Sp	= 17.40	
—	51	00	—	21.70	= 4.30 + .29 − 4.59
—	51	20	Shd	21.60	
—	53	00	—	21.12	= 0.48
—	53	20	Sp	21.78	
—	55	00	—	25.50	= 3.72 + ½ = 4.44
—	55	20	Shd	25.36	4.52
—	57	00	—	24.40 − .096	Air T = 24.6

Glypo = 40.0 at 9.40 Wet B. 48.6 Dry B. 69.5 Mean Air T = 23.0

Too much cloud for 2nd reading

W

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Sky 4 Scat Sunday Apr 5th 15 ⊙ clear Obs W

Air T. 22. C

10	23.20	Shd	= 15.90		
	25 00	—	= 15.98		= -0.08
	25.20	Exp.	= 16.80		
	27.00	—	= 20.96		= 4.16 + 0.34 = 4.50
	27.20	Shd	20.90		
	29 00	—	20.30		= 0.60
	29 20	Exp	21.16		
	31.00	—	24.82		= 3.66 + 0.81 = 4.47
	31.20	Shd	24.64		4.485
	33 00	—	23.62	= 1.02	

Air T = 26.0 C

Hygro = 39.0 at 10 10 Wet B = 46.2 Dry B = 66.2 Mean Air T = 24.0 (11)

Sky Scat 4. ~~4-3~~ ⊙ clear

1	27 20	Shd =	14.70	Air T	22.5 C
	29 00	=	14.76	=	0.06
	29 20	Exp	18.62		
	31 00		22.44	=	3.82 + 0.28 = 4.10
	31 20	Shd	22.36		
	33 00	—	21.86	=	0.50
	33 20	Exp	22.52		
	35 00	—	25.94	=	3.42 + 0.74 = 4.16
	35 20	Shd	25.80	0.98	4.13
	37 00	—	24.82	=	Air T = 23.5

Hygro = 43.0 at 1 50 Wet B = 49.8 Dry B = 67.3 Mean Air T = 22.4

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770f

Wednesday Apr 11th/15.

Sky 0 ⊙ clear Obs W.

Air T = 23.0 C.

~~10 06 20 Shd = 15 68~~

10 09 20 Shd = 15.86

11 00 — = 16 00 − 0 14

11 20 Obs = 16.92.

13 00 — = 21.18 = 4.26 + 0.29 = 4.55

13 20 Shd = 21.12

15 00 — = 20.68 = 0.44

15 20 Obs = 21.40

17 00 — = 25.16 = 3.76 + 0.71 = 4.47

17 20 Shd = 24.98 Mean = 4.51

19 00 — = 24.00 = 0.98

Air T = 24.5

Hygro = 32.0 at 9.20 Wet B = 48.4 Dry B = 66.5 Mean Air T = 23.4 C

Sky 0 ⊙ clear

2 28 20 Shd = 17.30. Air T = 22.0 C

30 00 — = 17.40 = 0.10

30 20 Obs 18.20

32 00 — 22.10 = 3.90 + 0.26 = 4.16

32 20 Shd 21.96 =

34 00 — 21.54 = 0.42.

34 20 Obs 22.50 =

36 00 — 25.62 = 3.12 + 0.79 = 3.91

36 20 Shd 25.48 4.035

38 00 24.32 = 1.16 Air T = 25.5

Hygro = 38.0 at 1.40. Wet B = 48.0 Dry B = 64.5 Mean Air = 23.4

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Thursday Nov. 11. 1915

sky 0.2 ⊙ clear air Temp 21.36.

12	31	20	Shd	16.66	
12	33	00	—	16.83	0.17
12	33	20	Exp	17.70	
12	35	00	—	22.00	4.30 + 0.31 = 4.61
12	35	20	Shd	22.09	
12	37	00	—	21.63	0.46
12	37	20	Exp	22.39	
12	39	00	—	26.19	3.80 + .64 = 4.44
12	39	20	Sd.	26.07	mean = 4.525
12	41	00	—	25.25	0.82

air Temp 29.96.
mean " " 25.66.

Hydro at 12 49 34.0 Dry B. 69.0 F. W. B. 48.2 F.

sky 0.1 + hazy ⊙ clear air Temp 18.96

3	22	20	Shd	18.08	
3	24	00	—	18.13	0.05
3	24	20	Exp	18.95	
3	26	00	—	22.60	3.65 + 0.28 = 3.93.
3	26	20	Shd	22.59	
3	28	00	—	22.07	0.52
3	28	20	Exp	22.67	
3	30	00	—	25.80	3.13 + 0.73 = 3.86
3	30	20	Shd	25.67	mean 3.895
3	32	00	—	24.73	0.94

air Temp 21.46
mean " " 20.16

Hygro 39.0 at 3.36.
W.B. 49.1 F. Dry B. 66.7 F.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770c

Saturday Oct 13th 15

Sky 0 ⊙ Clear Obs W.

Air T = 21.5 C

10.	26. 20	Thd	16.10		
	28 00	T	16.14	= −0.04	
	28 20	Tp	17.10		
	30 00	T	21.40	= 4.30 + 0.29 =	4.59
	30 20	Thd	21.32		
	32 00	T	20.78	= 0.54	
	32 20	Tp	21.52		
	34 00	T	25.28	= 3.76 + .78 =	4.54
	34 20	Thd	25.12	Mean =	4.565
	36 00		24.10	= 1.02	

Air T = 24.0 C

Hygro = 35 at 10.00 Wet B = 49.4 Dry B = 64.4 Mean Air T = 24.2 C

Sky 0 ⊙ clear Air T = 23.0 C

1	31 20	Thd =	19.12		
	33 00	T =	19.22	= −0.10	
	33 20	Tp =	20.02		
	35 00	T =	24.20	= 4.16 + 0.36 =	4.52
	35 20	Thd =	24.12		
	37 00	T	23.50	= 0.62	
	37 20	Tp	24.36		
	39 00	T	27.96	= 3.60 + 0.84 =	4.44
	39 20	Thd	27.80		4.48
	41 00	T	26.74	= 1.06	

Air T = 26.2

Hygro = 35.0 at 1.00 Wet B = 49.5 Dry B = 70.2 Mean Air T = 24.6

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770t

Sunday nov. 14. 1915

Sky 0.1 ⊙ clear air Temp 20.9 b

12 41 20	Shd	16.99		
12 43 00	—	17.10	0.11	
12 43 20	Expr	17.99		
12 45 00	—	22.22	4.23 + 0.25 =	4.48.
12 45 20	Shd	22.19		
12 47 00	—	21.80	0.39	
12 47 20	Expr	22.45		
12 49 00	—	26.12	3.67 + 0.66 =	4.33
12 49 20	Shd	26.05	mean.	4.405
12 51 00	—	25.12	0.93	air Temp. 27.5 b
			mean air Temp.	24.2 b

Hygro 34.0 at 12.55 Dry B 69.9 F W.B 49.9 F.

Sky 0.1 ⊙ clear air Temp. 19.9 b

2 28 20	Shd	19.09		
2 30 00	—	19.12	0.03	
2 30 20	Expr	19.92		
2 32 00	—	23.75	3.83 + 0.29 =	4.12
2 32 20	Shd	23.79		
2 34 00	—	23.23	0.56	
2 34 20	Expr	23.90		
2 36 00	—	27.07	3.17 + 0.75 =	3.92
2 36 20	Shd	27.01		4.02
2 38 00	—	26.08	0.93	mean =

air Temp 22.4 b

Hygro 38.0 at 2 47 mean " " 21.2 b

DB 67.9 F WB 49.3 F.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Monday April 15th 1915

Sky 3 clear ⊙ clear Air T 21.0 C Obs W

11.	58.	20	Shd	= 16 6H	
12	00	00	T	= 16 72	= 0.08
	00	20	Sho	= 17 62	
	02	00	T	= 21 90	= 4.28 +0.29 = 4.57
	02	20	Shd	= 21 78	
	04	00	T	= 21 28	= 0.50
	04	20	Sh	= 21 9H	
	06	00	T	= 25 80	= 3.86 +0.72 - 4.58
	06	20	Shd	= 25 5H	= 4.58
	08	00	-	= 24.66	0.9H Air T = 26.2

Hygro = 38.0 at 11.50 Wet B = 50.2 Dry B. 68 + Mean Air T = 23.6

Sky T. ⊙ clear Air T = 21.0 C

3.	33.	20	Shd	= 18 2H	
	35	00	-	= 18.32	= 0.08
	35	20	Sh	= 19. 12	
	37	00	-	= 22 72	-3..60 +0.36 = 3.96
	37	20	Shd	22. 6H	
	39	00	-	22 00	= 0.6H
	39	20	Sh	22 6H	
	41	00	T	25 72	= 3.08 +0.88 = 3.96
	41	20	Shd	25 5H	3.96
	43	00	-	24.42	= 1.12 Air T = 22.0

Hygro = 43.0 at 3.00 Wet B. 49.8 Dry B. 64.8 Mean Air T = 21.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

Wednesday Nov. 24. 1915 — Obsr H

Sky 0 ⊙ clear air Temp 19.26.

1	01	20	Shd	17.07		
1	03	00	—	17.19	0.12	
1	03	20	Exp	18.08		
1	05	00	—	22.37	4.29 + 0.29 =	4.58
1	05	20	Shd	22.36		
1	07	00	—	21.89	0.47	
1	07	20	Exp	22.57		
1	09	00	—	26.32	3.75 + 0.71 =	4.46
1	09	20	Shd	26.20	mean	4.52
1	11	00	—	25.26	0.94	

air Temp. 20.9 b

mean " " 20.0 b

Hygro 35.0 at 1 15 W B 49.1 F. D B. 68.9 F.

Obsr H

Sky 0. ⊙ clear air Temp 19.0 b

3	31	20	Shd	18.45		
3	33	00	—	18.49	0.04	
3	33	20	Exp	19.21		
3	35	00	—	22.79	3.58 + 0.29 =	3.87
3	35	20	Shd	22.76		
3	37	00	—	22.22	0.54	
3	37	20	Exp	22.89		
3	39	00	—	25.98	3.09 + 0.73 =	3.82
3	39	20	Shd	25.80	mean	3.845
3	41	00	—	24.88	0.92	

air Temp 17.9 b

mean " " 18.4 b.

Hygro 41.0 at 3.45 W B 49.0 F D B 66.4 F.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770

Tuesday Nov. 30. 1915 — 26.

Sky 0.4 ⊙ ~~clear~~ Hazy Temp air 19.0 6

12 54 20	Shd	16.10		
12 56 00	—	16.23	0.13	
12 56 20	Exp	17.01		
12 58 00	—	21.25	4.24 + 0.27 =	4.51
12 58 20	Shd	21.21		
1 00 00	—	20.79	0.42	
1 00 20	Exp	21.44		
1 02 00	—	25.08	3.64 + 0.68 =	4.32
1 02 20	Shd	24.97	mean =	4.415
1 04 00	—	24.04	0.93	

air Temp 22.7

Hygro 40.0 at 1 0 g DB647 ~~H~~ B 48.0 mean " " 20.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Saturday Dec 11th /15

W. Obs

Sky Calm 4 p. Air T = 21.0 C

9.	35	20	Shd =	17.10	
	37	00	– =	17.16	– – 0.06
	37	20	Sh	17.96	
	39	00	–	21.90	– 3.94 + 0.25 = 4.19
	39	20	Shd	21.82	
	41	00	–	21.38	= 0.44
	41	20	Sh	22.04	
	43	00	–	25.38	= 3.34 + .62 = 3.96
	43	20	Shd	25.15	4.075
	45	00	–	24.35	0.80 Air T = 25.0 C

Hygro = 53.0 at 9.20 Wet B = 55.5 Dry B = 67.0 Mean Air T = 23.0 C

Sky Calm 5 p ⊙ clear Air T = 20 C

12.	51	20	Shd =	18.96	
	53	00	– =	19.08	= 0.12
	53	20	Sh	19.78	
	55	00	–	23.58	= 3.80 + 30 = 4.10
	55	20	Shd	23.48	
	57	00	–	23.00	= 0 4.8 +
	57	20	Sh	23.62	
	59	00	–	27.10	= 3.48 + 69 = 4.17
	59	20	Shd	26.90	4.135
1 –	01	00	–	26.00	.90 Air T = 23.6

Hygro = 52. at 12.30 Wet B = 56.0 Dry B = 67.2 Mean Air T = 21.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770c

Sunday Dec 12. 1915 H6 obsr.

Sky 0.3 cubi ⊙ clear air Temp[illegible] 17.4 6

9	18	20	Shd	16.40			
9	20	00	—	16.52	0.12		
9	20	20	Ext N	17.22			
9	22	00	—	21.11	3.89 + 0.28	=	4.17
9	22	20	Shd	21.10			
9	24	00	—	20.65	0.45		
9	24	20	Ext N	21.38			
9	26	00	—	24.63	3.25 + 0.65	=	3.90
9	26	20	Shd	24.61		mean =	4.035
9	28	00	—	23.76	0.85		

air Temp 19.0 6

Hygro 51.0 at 9.32 ☿ B 55.3 F D 13 67.1 F mean a.T. 18.2 6

Clouds

Prevent

1915phae.proj..770

Tuesday Dec 21. 1915

sky 0.4 clouds ⊙ little hazy air Temp Obs H 17.46.

10	08	20	Shd	15.60	
10	10	00	–	15.68	0.08
10	10	20	Exp	16.43	
10	12	00	–	20.33	3.90 + 0.27 = 4.17
10	12	20	Shd	20.30	
10	14	00	–	19.84	0.46
10	14	20	Exp	20.52	
10	16	00	–	23.98	3.46 + 0.68 = 4.14
10	16	20	Shd	23.80	mean 4.155
10	18	00	–	22.91	0.89

air Temp 23.16

mean " " 20.26.

Hygro 51.0 at 10 22 D = B 64.9 F. W.B. 54.8 F.

Clouds interfered for seconds observations

1915phae.proj..770c

Wednesday Dec 22nd 1915

Sky 6. Cucls ⊙ clear W Obs

12.	32.	20	Thd –	15.96		Air T = 20.0 C
	34	00	T	16.02	= 0.06	
	34	20	Obs	16.88		
	36	00	T	20.74	= 3.86 + 0.28 = 4.14	
	36	20	Thd	20.68		
	38	00	T	20.22	= 0.46	
	38	20	Obs	20.94		
	40	00	T	24.40	= ~~5.46~~ 3.46 + 0.68 = 4.14	
	40	20	Thd	24.20		4.14
	42	00	–	23.30	0.90	Air T – 22.2

Hygro = 40.0 at 11.40 Wet B. 51.8 D.B = 64.6 Mean Air T = 21.1 C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

December 26. 1915. 36 Obsr

Sky 3 hu bits ⊙ clear. air Temp 19.26

12 20 20	Shd	16.01			
12 22 00	—	16.15	0.14		
12 22 20	Exp	16.95			
12 24 00	—	20.97	4.02 + 0.28 =		4.30
12 24 20	Shd	20.91			
12 26 00	—	20.48	0.43		
12 26 20	Exp	21.18			
12 28 00	—	24.71	3.53 + 0.66 =		4.19
12 28 20	Shd	24.69		mean	4.245
12 30 00	—	23.80	0.89		

air Temp 23.56

Hygro 36.0 at 12 35 D 13 67.17 W 13 51.17 mean " " 21.46

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770t

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

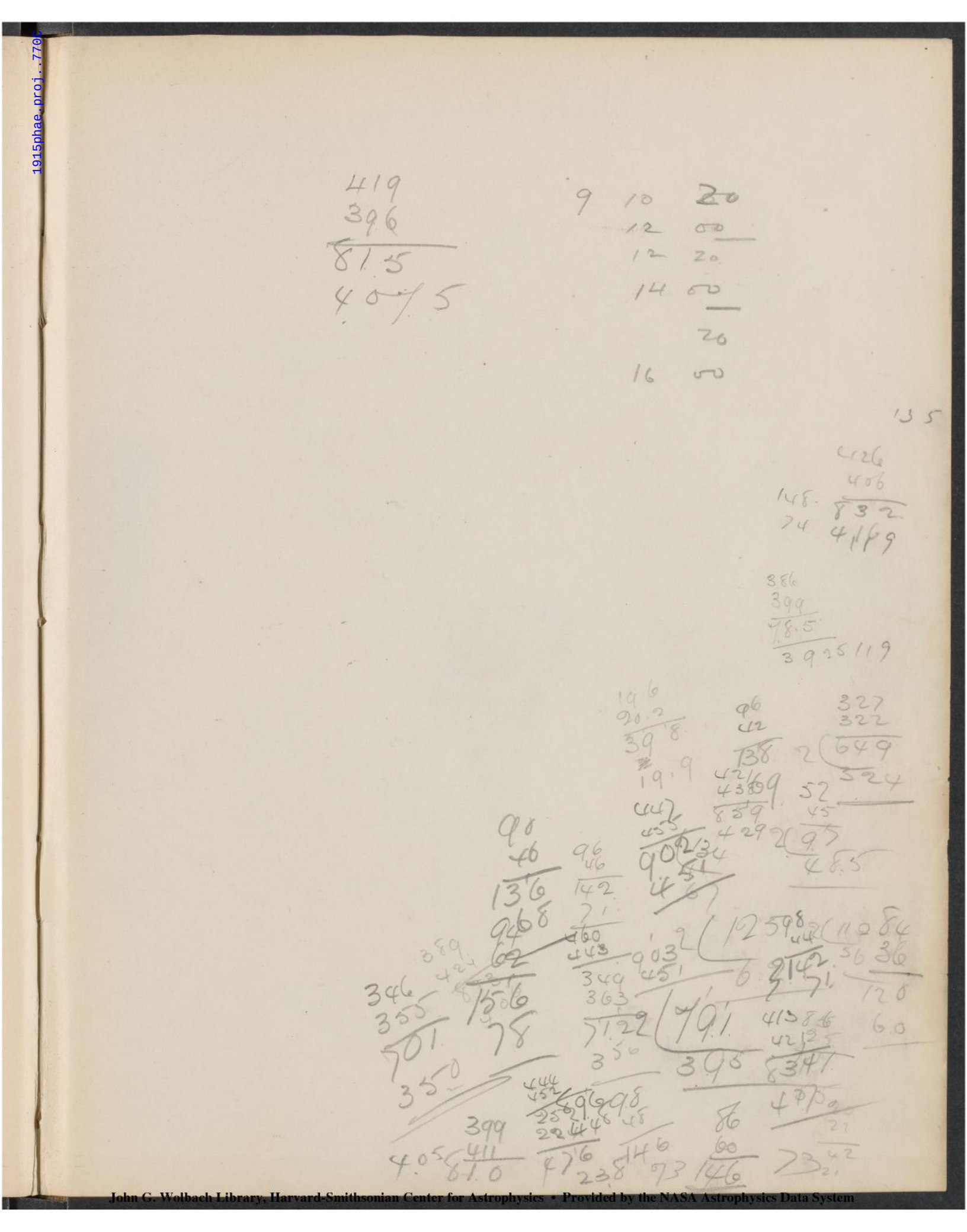
1915phae.proj..770c

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770f



John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj..770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1915phae.proj...770C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System