

KG

11366

x237

Pyrheliometer

Record

1917



Friday Feb 9, 1917
 Sky 0 Clear Obs B air Temp. 18.0 C

8 26 20 th 16.15
 8 28 00 - 16.38 0.20
 8 28 20 Ex 17.20
 8 30 00 - 21.09 3.89 + 0.32 = 4.21
 8 30 20 th 21.04
 8 32 00 - 20.60 0.44
 8 32 20 Ex 21.28
 8 34 00 - 24.61 3.33 + 0.83 = 4.16
 8 34 20 th 24.49 Mean 4.185
 8 36 00 - 23.27 1.22

air Temp. 17.0 C
 Mean 17.5

Hygro 44.9° W B 53.27 D B 61.97 at 8 40

~~Hygro 44.9°~~
 3 04 20 th 24.80
 3 06 00 - 24.29
 3 06 20 Ex
 3 08 00 -
 3 08 20 th
 3 10 00 -
 3 10 20 Ex
 3 12 00 -
 3 12 20 th
 3 14 00 -

Hygro 50.1° W B 53.87 D B 64.77 at 3.24

3 16 20 th 29.48
 3 18 00 - 28.55 0.93
 3 18 20 Ex 29.10
 3 18 00 - 31.80 2.70 + 1.13 = 3.83
 3 18 20 th 31.54
 3 17 00 - 30.21 1.33
 3 17 20 Ex 30.70
 3 19 00 - 33.05 2.35 + 1.48 = 3.83
 3 19 20 th 32.77 Mean 3.83 air Temp 22.1 C
 3 21 00 - 31.14 1.63 Mean 22.7

2

Monday February 11 1917
 Sky clear 4P 9 Clear Obs B air Temp 16.0 C

8	56	00	th	15.03	
8	58	00	—	15.12	0.09
8	58	20	Ex	15.98	
9	00	00	—	19.95	3.97 + 0.33 = 4.30
9	00	20	th	19.88	
9	02	00	—	19.31	0.57
9	02	20	Ex	20.00	
9	04	00	—	23.38	3.38 + 0.88 = 4.26
9	04	20	th	23.20	Mean 4.28
9	06	00	—	22.01	1.19

air Temp 17.0 C
 Mean 16.5

Hygro 60.9° W.B. 49.9 F D.B. 56.1 F at 9 10

Friday February 16 1917

Sky clear 5th Obs. J. Obs. B

air Temp. 17.6 °C

8 27 20 ~~th~~ 14.07

8 29 00 — 14.20 0.13

8 29 20 Ex 14.93

8 31 00 — 18.58 3.65 + 0.32 = 3.97

8 31 20 ~~th~~ 18.52

8 33 00 — 18.12 0.50

8 33 20 Ex 18.78

8 35 00 — 21.93 3.15 + 0.76 = 3.91

8 35 20 ~~th~~ 21.80

Mean 3.94

air Temp. 19.9 °C

8 37 00 — 20.79 1.01

Mean 18.75

Hygro 58.2° W.B. 50.97 D.B. 58.77 at 8 41

4

Friday March 16 1917
Hayden 4 P. O. Scher

Obs 12 air Temp. 21.8 C

8	16	20	th	19.04		
8	18	20	-	19.15	0.11	
8	18	21	Ex	19.90		
8	20	00	-	23.50	3.60 + 0.30 =	3.90
8	20	20	th	23.43		
8	22	00	-	22.93	0.50	
8	22	20	Ex	23.59		
8	24	00	-	26.61	3.02 - 0.83 =	3.85
8	24	20	th	26.45		
8	26	00	-	25.29	1.16	

Mean 3.875

air Temp. 17.2 C

Mean 20.5

Hygro 52.5 W B 54.4 F. & B 63.9 F. at 8 30

Monday March 19 1917

Very Clear & P. Clear obs B air Temp 18.0 C

8 17 20 ~~th~~ 16.72

8 19 00 — 16.89 0.17

8 19 20 ~~Ex~~ 17.61

8 21 00 — 21.18 3.57 + .28 = 3.85

8 21 20 ~~th~~ 21.10

8 23 00 — 20.70 0.40

8 23 20 ~~Ex~~ 21.35

8 25 00 — 24.42 3.07 + 0.70 = 3.77

8 25 20 ~~th~~ 24.28 Mean 3.81

8 27 00 — 23.29 .99

Hygro 60.7° WB 57.1 F DB 64.0 F at 8.31

air Temp 18.1 C

Mean 18.05

Friday March 23 1917
 Sky clear 1 P clear Obs B air Temp 17.5°C

8 11 20 ~~th~~ 15.64

8 13 00 — 15.80 0.16

8 13 20 ~~Ex~~ 16.56

8 15 00 — 20.21 3.65 + 0.30 = 3.95

8 15 20 ~~th~~ 20.14

8 17 00 — 19.70 0.44

8 17 20 ~~Ex~~ 20.38

8 19 00 — 23.54 3.16 + .72 = 3.88

8 19 20 ~~th~~ 22.40 Mean 3.915

8 21 00 — 22.39 1.01

air Temp 17.5°C

Mean 17.5

Hydro 47.5 MB 53.0 7 LB 63.0 7 at 8.25

Saturday March 24, 1917

They killed 3 *P. glaucus* Obv B air temp 16.0 °C

8 31 20 *th* 16.25 °

8 33 00 — 16.38 0.13

8 33 20 Ex 17.20

25 00 — 20.97 3.77 + 0.32 = 4.09

25 20 *th* 20.91

27 00 — 20.39 0.52

27 20 *th* 21.02

39 00 — 24.31 3.29 + 0.79 = 4.08

39 20 *th* 24.13

Mean 4.085

air temp 16.4 °C

8 41 00 — 22.09 1.04

Mean 16.2

Hygro 54.1 WB 49.8 ° F LB 58.0 ° F at 84.5

Monday March 26 1917
 Sky clear 11 P 0 Clear Obs B air Temp 18.0 C

8 12 20 ~~th~~ 16.82
 8 14 00 - 16.98 0.16
 14 20 ~~Ex~~ 17.77
 16 00 - 21.44 3.67 + 0.23 = 3.99
 16 20 ~~th~~ 21.39
 18 00 - 20.90 0.49
 18 20 ~~Ex~~ 21.58
 20 00 - 24.71 3.13 + 0.80 = 3.93
 20 20 ~~th~~ 24.57 Mean 3.96 air Temp 17.6 C
 8 22 00 - 23.49 1.10 Mean 17.8

Hygro 40.2° NB 52.0 F DB 62.0 F at 8 26

Sky clear 2 P 0 Clear Obs B air Temp 23.8 C

4 06 20 ~~th~~ 25.47
 08 00 - 25.38 .09
 08 20 ~~Ex~~ 25.95
 10 00 - 26.69 2.74 + .42 = 3.16
 10 20 ~~th~~ 26.58
 12 00 - 27.62 0.76
 12 20 ~~Ex~~ 28.29
 14 00 - 20.42 2.13 + 1.00 = 3.13
 14 20 ~~th~~ 20.18 Mean 3.145 air Temp 19.5 C
 4 16 00 - 28.74 1.24 Mean 21.65

Hygro 51.5° NB 53.0 F DB 62.0 F at 4 20

Tuesday mch 27. 1917

Sky clear chr H air Temp 18.06

8	11	20	Shd	15.20		
8	13	00	—	15.34	0.14	
8	13	20	Expn	16.04		
8	15	00	—	19.97	$3.93 + 0.29 =$	4.22
8	15	20	Shd	19.94		
8	17	00	—	19.49	0.45	
8	17	20	Expn	20.09		
8	19	00	—	23.40	$3.31 + 0.72 =$	4.03
8	19	20	Shd	23.30		mean 4.125
8	21	00	—	22.32	0.98	air Temp 17.96
						mean " 17.956

Hygro = 46.0 WB = 50.8 F. DB = 62.0 F at 8 27
 Sky 0.1 lev chr H air Temp 24.06

3	21	20	Shd	26.29		
3	23	00	—	26.21	0.08	
3	23	20	Expn	26.93		
3	25	00	—	30.20	$3.27 + 0.43 =$	3.70
3	25	20	Shd	30.11		
3	27	00	—	29.32	0.79	
3	27	20	Expn	29.87		
3	29	00	—	32.51	$2.64 + 1.05 =$	3.69
3	29	20	Shd	32.31		mean = 3.695
3	31	00	—	30.99	1.32	air Temp 24.06
						mean " " 24.06

Hygro = 44.0 WB = 52.2 F. DB = 64.9 F at 3 36.

Wednesday March 28 1917

Sky 0 John obs B air Temp 17.0 C

8 30 20 th 16.69
 22 00 - 16.71 0.02
 22 20 Ex 17.58
 24 00 - 21.38 3.80 + 0.26 = 4.06
 24 20 th 21.34
 26 00 - 20.83 0.51
 26 20 Ex 21.50
 28 00 - 24.80 3.30 + 0.76 = 4.06
 28 20 th 24.62 Mean 4.06 air Temp 17.5 C
 8 40 00 - 23.61 1.01 Mean 17.25

Hygro 45.1 WB 50.9 F LB 61.1 F at 844

Sky 3 P John obs B air Temp 21.8 C

4 02 20 th 25.72
 04 00 - 25.68
 04 20 Ex 26.21
 06 00 -
 06 20 th Clouds over sun
 08 00 -
 08 20 Ex
 10 00 -
 10 20 th Mean air Temp
 4 12 00 - Mean

Hygro WB F LB F at

Thursday March 29. 1917

Sky clear H Obs. air Temp 15.26

8	21	20	Shd	14.86				
8	23	00	-	14.99	0.13			
8	23	20	Exp	15.80				
8	25	00	-	19.43	3.63	+ 0.30	=	3.93
8	25	20	Shd	19.41				
8	27	00	-	18.93	0.48			
8	27	20	Exp	19.56				
8	29	00	-	22.81	3.25	+ 0.70	=	3.95
8	29	20	Shd	22.70			mean =	3.94
8	31	00	-	21.77	0.93		air Temp	14.56
						mean	"	14.856

Hygro = 59.0. WB = 49.7 F. DB = 57.8 F. at 8 37

Clouds over
Sun in PM

12

Friday March 30 1917
 Sky clear 4 P clear Obs B air Temp 15.0 C

8 04 20 ~~th~~ 25.20

06 00 - 25.36 0.16

06 20 ~~Ex~~ 26.13

08 00 - 19.78 3.65 + 0.27 = 3.94

08 20 ~~th~~ 19.70

10 00 - 19.28 0.42

10 20 ~~Ex~~ 19.88

12 00 - 22.10 3.22 + 0.67 = 3.91

12 20 ~~th~~ 22.93

Mean 392.5 air Temp 15.0 C

14 00 - 24.97 0.96

Mean 15.0

Hygro 52.8° WB 52.4 F & B 61.0 F at 8 18

J. M. Clouds

Friday April 6 1917

Sky 5 B 15 0 Clear 0 B 13

air Temp 16.2 C

8 40 20 Th 16.59

42 00 - 16.71 0.12

42 20 Ex 17.46

44 00 - 21.05 3.59 + 0.32 = 3.91

44 20 Th 21.00

46 00 - 20.48 0.52

46 20 Ex 21.11

48 00 - 24.23 3.12 + 0.78 = 3.90

48 20 Th 24.02

Mean 3.905

air Temp 15.4 C

8 50 00 - 22.98 1.04

Mean 15.8

Hygro 53.1 MB 49.9 F LB 57.0 F at 8 54

14

Saturday April 7 1917
 They be bis 21 0 clear Obs B air Temp. 18.2 C

8 25 20 th 15.90
 27 00 th 16.30⁰³ 0.13
 27 20 Ex 16.84
 29 00 — 20.49 3.65 + 0.39 = 3.96
 29 20 th 20.42
 31 00 — 19.95 0.47
 31 20 Ex 20.60
 33 00 — 23.78 3.18 + 0.74 = 3.92
 33 20 th 23.59 Mean 3.935
 35 00 — 22.58 1.01

air Temp. 16.8 C
 Mean 17.4

Hypo 51.5° N.B. 50.5 7 DB 59.1 7 at 8 37

They be bis 4 P 0 clear Obs B air Temp. 19.8 C

3 55 20 th 25.30
 57 00 — 25.20 0.10
 57 20 Ex 25.80
 59 00 — 28.79 2.94 + 0.47 = 3.41
 59 20 th 28.65
 61 00 — 27.81 0.84
 61 20 Ex 28.30
 63 00 — 30.61 2.31 + 1.10 = 3.41
 63 20 th 30.39 Mean 3.41
 65 00 — 29.03 1.36

air Temp. 19.0 C
 Mean 19.4

Hypo 42.5° N.B. 50.9 7 DB 62.8 7 at 4 07

Monday April 9 1917

15

Sky Clear 2 Clear

Obs B air Temp 19.00

8	39	20	th	18.65		
	41	00	—	18.86	0.21	
	41	20	Ex	19.64		
	43	00	—	22.27	3.63 + 0.37 =	4.00
	43	20	th	22.21		
	45	00	—	22.68	0.53	
	45	20	Ex	23.39		
	47	00	—	26.54	3.15 + 0.78 =	3.93
	47	20	th	26.40		
	49	00	—	25.38	1.02	

Mean 3.965

air Temp 20.90

Mean 19.95

Hygro 43.1° MB 50.3 7.53 7.53 at 8.53

16

Thursday apr 12. 1917.

Sky 0.1 hls Sun clear Obs H. air Temp 20.46

8	26	20	Shd	19.19				
8	28	00	-	19.20	0.11			
8	28	20	Exh	20.02				
8	30	00	-	23.60	3.58 + 0.29	=	3.87.	
8	30	20	Shd	23.53				
8	32	00	-	23.06	0.47			
8	32	20	Exh	³ ~~24~~ .60				
8	34	00	-	26.70	3.10 + 0.71	=	3.81	
8	34	20	Shd	26.53			mean = 3.84	
8	36	00	-	25.59	0.94			
							air Temp 17.86	
							mean " 19.16	

Hygro = 45.0° W/B = 52.0 F. DB = 63.1 F. at 8 AM.

Friday April 13 1917

Hyg 0 To Char

Pb 13

air Temp 15.5°

02 20 ~~th~~ 15.37

05 20 — 15.41 0.14

05 20 ~~Ex~~ 16.14

07 00 — 19.70 3.56 + 0.28 = 3.84

07 20 ~~th~~ 19.62

09 00 — 19.19 0.43

09 20 ~~Ex~~ 19.78

11 00 — 22.40 2.62 +

11 20 ~~th~~ 22.28

Mean

air Temp
Mean

13 00 —

Hygro

WB

+

WB

+

at

Friday April 13 1917

Sky ~~clear~~ ^{li} 17 Obs B @ clear air Temp 18.0 C

8 14 20 th 21.27

16 00 - 20.68 0.59

16 20 Ex 21.28

18 00 - 24.34 2.96 + 10.80 = 3.76

18 20 th 24.09

20 00 - 23.08 1.01

20 20 Ex 23.60

22 00 - 26.30 2.70 + 1.08 = 3.78

22 20 th 26.04

Mean 3.77

air Temp 17.9 C

8 24 00 - 24.89 1.15

Mean 17.95

Hygro 54.1° WB 48.1 F DB 59.1 F at 8 28

Sky li 17 @ clear

Obs B air Temp 20.0 C

3 33 20 th 25.61

35 00 - 25.60 0.01

35 20 Ex 26.03

37 00 - 29.04 3.01 + 0.44 = 3.45

37 20 th 28.90

39 00 - 28.02 0.88

39 30 Ex 28.54

41 00 - 30.95 2.41 + 1.08 = 3.49

41 20 th 30.78

Mean 3.47

air Temp 19.6 C

3 43 00 - 29.50 1.28

Mean 19.8

Hygro 44.1° WB 50.0 F DB 63.2 F at 3 47

Saturday April 14 1917

They can be 2T @ Chan Obs TB air Temp 16.2°C

8 24 20 th 15.61
 26 00 — 15.80 0.19
 26 20 Ex 16.54
 28 00 — 20.16 3.62 + 0.30 = 3.92
 28 20 th 20.10
 30 00 — 19.69 0.41
 30 20 Ex 20.30
 32 00 — 22.43 3.13 + 0.73 = 3.86
 32 20 th 22.24 Mean 3.89 air Temp 16.8°C

8 24 00 — 22.19 1.05
 Hygro 53.1 WB 49.9 F DB 60.5 F at 8.39
 Mean 16.5

They can be 2T @ Chan Obs TB air Temp 21.2°C

3 26 20 th 25.09
 28 00 — 25.06 0.03
 28 20 Ex 25.69
 30 00 — 28.68 2.99 + 0.36 = 3.35
 30 20 th 28.55
 32 00 — 27.85 1.0
 32 20 Ex 28.34
 34 00 — 30.74 2.40 + 0.95 = 3.35
 34 20 th 30.51 Mean 3.35 air Temp 20.0°C
 3 26 00 — 29.31 1.20 Mean 20.6

Hygro 48.5 WB 50.3 F DB 62.0 F at 3.40

20

Monday April 16 1917

Sky Clear 2 P @ Char Obs B

air Temp 19.9 C

8 18 20 ~~th~~ 17.18
 20 00 — 17.31 0.13
 20 20 ~~Ex~~ 18.03
 22 00 — 21.50 3.47 + 0.29 = 3.76
 22 20 ~~th~~ 21.47
 24 00 — 21.02 0.45
 24 20 ~~Ex~~ 21.60
 26 00 — 24.61 3.01 + 0.71 = 3.72
 26 20 ~~th~~ 24.46
 28 00 — 23.49 0.97

Mean 3.74

air Temp 19.1 C

Mean 19.5

Hygro 51.2° WB 51.1 F L B 60.9 F at 8 22

Sky Clear 3 P @ Char

Obs B air Temp 21.8 C

2 52 20 ~~th~~ 26.00
 54 00 — 25.91 0.09
 54 20 ~~Ex~~ 26.50
 56 00 — 29.10 2.60 + 0.41 = 3.01
 56 20 ~~th~~ 28.98
 58 00 — 28.24 0.74
 58 20 ~~Ex~~ 28.67
 4 00 00 — 30.71 2.04 + 0.96 = 3.00
 00 20 ~~th~~ 30.49
 4 02 00 — 29.30 1.19

Mean 3.005

air Temp 18.9 C

Mean 20.1

Hygro 51.2° WB 51.0 F L B 61.9 F at 4 06

Tuesday April 17, 1917

Sky 0.1 hrs Sun clear H Obs. air Temp 18.26

8 21 20	Shd	16.93		
8 23 00	-	17.12	0.19	
8 23 20	Exh	17.90		
8 25 00	-	21.48	$3.58 + 0.31 =$	3.89
8 25 20	Shd	21.46		
8 27 00	-	21.02	0.44	
8 27 20	Exh	21.61		
8 29 00	-	24.74	$3.13 + 0.64 =$	3.77.
8 29 20	Shd	24.61		mean = 3.83
8 31 00	-	23.78	0.83	air Temp. 16.96
				mean " " 17.556

Hygro = 51.0° WB = 49.4 F DB = 61.8 F at 8 37

~~3 31 20~~	~~Sky 0.1 hrs~~	~~clear~~	~~H Obs~~	~~air Temp 22.06~~
3 31 20	Shd	26.83		
3 33 00	-	26.73	0.10	
3 33 20	Exh	27.33		
3 35 00	-	30.37	$3.04 + 0.44 =$	3.48
3 35 20	Shd	30.29		
3 37 00	-	29.51	0.78	
3 37 20	Exh	30.01		
3 39 00	-	32.49	$2.48 + 1.03 =$	3.51
3 39 20	Shd	32.30		mean 3.495
3 41 00	-	31.01	1.29	air Temp 19.96
				mean " " 20.956

Hygro = 43.0° WB = 50.8 F DB = 65.0 F at 3.47

22

Saturday April 21, 1917

Sky clear & T. 0.00

PB & TB

air Temp 18.3°C

8 45 20 ~~th~~ 19.02

47 00 - 19.18

47 20 ~~Ex~~ 19.49

49 00 - 22.42

49 20 ~~th~~ 22.40

51 00 -

51 20 ~~Ex~~

52 00 -

52 20 ~~th~~

8 55 00 -

Hygro

WB

7

DB

F. at

Clouds passed over Sun

Mean

air Temp

Mean

Monday April 23 1917

The Ellis Char Obs B

air Temp. 18.8°C

8 14 20 ~~Th~~ 19.82
 16 00 — 19.95 0.13
 16 20 ~~Ex~~ 20.62
 18 00 — 24.00 3.37 + 0.32 = 3.69
 18 20 ~~Th~~ 23.95
 20 00 — 23.45 0.50
 20 20 ~~Ex~~ 24.00
 22 00 — 26.79 2.79 + 0.80 = 3.59
 22 20 ~~Th~~ 26.61 Mean 3.64
 24 00 — 25.42 1.19

air Temp. 17.3°C
 Mean 18.05

Hygro 58.4° WB 49.17 L B 57.67 at 825

24

Wednesday April 25 1917
 Sky clear 10 20 Bar 0.13 air Temp 18.0 C

8 17 20 Th 16.10

19 00 — 16.20 0.10

19 20 Ex 16.90

21 00 — 20.18 3.28 + 0.26 = 3.54

21 20 Th 20.12

22 00 — 19.69 0.43

22 20 Ex 20.25

25 00 — 23.08 2.83 + 0.70 = 3.53

25 20 Th 22.92 Mean 3.535

air Temp 17.6 C

8 27 00 — 21.94 0.98

Mean 17.8

Hygro 64.2 WB 50.2 F LB 57.3 F at 8 31

Thursday April 26. 1917

Sky 0.1 lev ☉ clear Obs H₀ air Temp 19.0 C

8	18	20	Shd	19.59			
8	20	00	-	19.64	0.05		
8	20	20	Exh	20.33			
8	22	00	-	23.54	3.31 + 0.30 =	3.61	
8	22	20	Shd	23.57			
8	24	00	-	23.03	0.54		
8	24	20	Exh	23.51			
8	26	00	-	26.39	2.88 + 0.80 =	3.68	
8	26	20	Shd	26.24	mean =	3.645	
8	28	00	-	25.17	1.07	air Temp.	16.0 C
Hygro = 62.0°				WB = 51.0 F	WB = 64.4 F	mean =	17.5 C
						at	834

26

Wednesday May 2 1917

~~May~~ ~~air~~ ~~temp~~ 3 P ~~0.11~~ ~~0.62~~ B air Temp 16.8 C
8 16 20 ~~th~~ 16.06

18 00 - 16.17 0.11

18 20 ~~Ex~~ 16.98

20 00 - 20.70 3.72 + 0.31 = 4.03

20 20 ~~th~~ 20.67

22 00 - 20.16 0.51

22 20 ~~Ex~~ 20.82

24 00 - 24.02 3.20 + 0.80 = 4.00

24 20 ~~th~~ 23.89 Mean 4.015

air Temp 17.4 C

8 26 00 - 22.77 1.10

Mean 18.1

Hygro 35.2° N-B. 45.97 L B 60.77 at 8.30

Friday May 4, 1917.

Key to Series 13 [unclear] Obs B air Temp. 15.4 C

8 02 20 th 12.35

8 04 20 — 12.50

8 04 21 Ex 17.08

06 00 — 17.08

06 20 th

08 00 —

08 20 Ex

10 00 —

10 20 th

Mean

air Temp. e

Mean

8 12 00 —

Hypso 0 MB 7 DB 7 at

28

Friday May 4 1917

Sky clear TP To clear Obs R air Temp 15.1 C

07 20 th 16.70

09 00 — 16.31 0.39

09 20 Ex 16.99

11 00 — 20.20 3.21 + 0.64 = 3.85

11 20 th 20.08

12 00 — 19.20 0.88

12 20 Ex 19.79

15 00 — 22.66 2.87 + 1.00 = 3.87

15 20 th 22.42

Mean 3.86

air Temp 14.1 C

Mean 14.6

Hygro 43.1 W.B. 45.97 D.B. 57.97 at 8 21

Sky clear TP To clear

Obs R air Temp 19.5 C

27 20 th 24.91

29 00 — 24.80 0.119

29 20 Ex 25.48

31 00 — 28.60 3.12 + 0.50 = 3.62

31 20 th 28.47

33 00 — 27.59 0.882

33 20 Ex 28.14

35 00 — 30.58 2.44 + 1.14 = 3.58

35 20 th 30.35

Mean 2.60

air Temp 18.7 C

Mean 19.1

Hygro 43.9 W.B. 49.97 D.B. 61.37 at 3 41

Sunday May 6 1917

Thy 0 To Chap Obs B

air Temp. 16.9°C

8 31 20 th 16.38

22 00 — 16.50 0.12

23 20 E 17.29

25 00 — 21.14 3.85 + 0.22 = 4.17

26 20 th 21.10

27 00 — 20.58 0.52

29 20 E 21.22

39 00 — 24.55 3.33 + 0.80 = 4.13

39 20 th 24.40 Mean 4.15

air Temp. 17.2°C

8 41 00 — 22.32 1.08

Mean 17.05

Hygro 22.9° WB 42.67 DB 62.07 at 845

30

Monday May 7 1917
 Sky Clear Obs'd B Clear air Temp 15.7 C

8 23 20 th 16.12
 25 00 — 16.23 0.11

25 20 Ex 17.04

27 00 — 20.73 3.69 + 0.34 = 4.03

27 20 th 20.66

27 00 — 20.10 0.56

27 20 Ex 20.77

21 00 — 22.91 3.14 + .85 = 3.99

21 20 th 22.73 Mean 4.01

air Temp 14.9 C

Mean 15.3

33 00 — 22.59 1.14

Hygro 29.9° WB 41.9 F DB 57.1 F at 8:27

Sky Clear Clear Obs'd B air Temp 17.9 C

3 13 20 th 24.56

15 00 — 24.49 0.07

15 20 Ex 25.12

17 00 — 28.40 3.28 + .44 = 3.72

17 20 th 28.39

19 00 — 27.59 0.80

19 20 Ex 28.10

21 00 — 30.77 2.67 + 1.06 = 3.73

21 20 th 30.48 Mean 3.735

air Temp 18.2 C

23 00 — 29.17 1.31

Mean 19.05

Hygro 34.9° WB 44.8 F DB 61.9 F at 8:27

Tuesday May 8 1917

Sky clear Obs R clear

air Temp 16.0 C

14 20 ~~th~~ 14.63
 16 00 — 14.80 0.17
 16 20 ~~Ex~~ 15.61
 18 00 — 19.34 3.73 + 0.30 = 4.03
 18 30 ~~th~~ 19.20
 20 00 — 18.87 0.43
 20 20 ~~Ex~~ 19.50
 22 00 — 22.78 3.28 + 0.72 = 4.00
 22 20 ~~th~~ 22.63 Mean 4.015
 24 00 — 21.61 1.02

 air Temp 16.0 C
 Mean 16.0

Hygro 32.9° WB 44.1 F DB 61.0 F at 8.28

Sky clear Obs R clear

air Temp 22.0 C

29 20 ~~th~~ 25.47
 31 00 — 25.39 0.08
 31 20 ~~Ex~~ 26.09
 33 00 — 27.40 3.31 + 0.44 = 3.75
 33 20 ~~th~~ 27.28
 35 00 — 28.49 0.79
 35 20 ~~Ex~~ 29.03
 37 00 — 31.67 2.64 + 1.10 = 3.74
 37 20 ~~th~~ 30.42 Mean 3.745
 39 00 — 30.00

 air Temp 19.0 C
 Mean 20.5

Hygro 29.5° WB 45.0 F DB 61.1 F at 3.43

Wednesday May 9 1917
 Sky ^{clear 4 P} clear 0.2 B

air Temp. 16.4 C

8 13 20 ~~th~~ 13.84

15 00 — 14.02 0.18

15 20 ~~Ex~~ 14.83

17 00 — 18.72 3.89 + 0.34 = 4.23

17 20 ~~th~~ 18.69

19 00 — 18.20 0.49

19 20 ~~Ex~~ 18.89

21 00 — 22.19 3.30 + 0.84 = 4.14

21 20 ~~th~~ 22.04

Mean 4.185 air Temp. 15.8 C

8 23 00 — 22.85 1.19

Mean

Hg 22.2° WB 45.77 LB 60.0 7. al 8.27

Friday May 11 1917

Thy Chlor 475 Char Obs 13 air Temp 16.9

8 14 20 ~~th~~ 15.61
~~13.84~~
 16 00 — 15.80
 14.02 0.19

16 20 Ex 16.60
~~14.82~~

18 00 — 20.26 3.66 + 0.32 = 3.98

18 20 ~~th~~ 20.21

20 00 — 19.75 0.46

20 20 Ex 20.39

22 00 — 22.54 3.15 + 0.76 = 3.91

22 20 ~~th~~ 22.40

Mean 3.945

air Temp 14.2°C

8 24 00 — 22.33 1.07

Mean 17.55

Hygro 26.5° MB 4297 DB 60.6 F at 8 30

Saturday May 12 1917

sky clear 47° 0 Clear Obs B air Temp 17.9° C

9	09	20	th	19.66				
	11	00	-	19.72	0.06			
	11	20	Ex	20.51				
	12	00	-	20.09	3.58	+ 0.32	=	3.90
	13	20	th	24.02				
	15	00	-	23.45	0.57			
	16	20	Ex	24.10				
	17	00	-	27.18	3.08	+ 0.82	=	3.90
	17	20	th	27.01		Mean	3.90	air Temp 17.1° C

9 19 00 - 25.94 1.07

Mean 17.5

Hygro 30.2° W.B. 42.0 F D.B. 60.7 F at 9 23

sky clear 47° 0 Clear Obs B air Temp 22.0° C

3	11	20	th	25.22				
	12	00	-	25.19	0.03			
	12	20	Ex	25.40				
	15	00	-	28.91	3.11	+ 0.40	=	3.51
	15	20	th	28.80				
	17	00	-	28.02	0.78			
	17	20	Ex	28.58				
	19	00	-	31.08	2.50	+ 1.01	=	3.51
	19	20	th	30.84		Mean	3.51	air Temp 19.8° C
3	21	00	-	29.60	1.24			Mean 20.9

Hygro 27.5° W.B. 43.9 F D.B. 63.7 F at 9 25

Sunday May 13 1917

Sky clear 17 10 clear Obs B air Temp 15.0 C

8 17 20 th 14.72

19 00 — 14.83 0.11

19 20 Ex 15.58

21 00 — 19.10 3.52 + 0.32 = 3.84

21 20 th 19.04

23 00 — 18.50 0.54

23 20 Ex 19.11

25 00 — 22.12 3.01 + 0.81 = 3.82

25 20 th 21.97

Mean 3.83 air Temp 14.5 C

8 27 00 — 20.89 1.08

Mean 14.75

Hygro 37.5° WB 39.0 F DB 54.0 F at 8 31

Sky clear

clear

Obs B

air Temp 21.0 C

3 36 20 th 24.61

38 00 — 24.55 0.06

38 20 Ex 25.20

40 00 — 28.29 3.09 + 0.43 = 3.52

40 20 th 28.15

42 00 — 27.35 1.80

42 20 Ex 27.83

44 00 — 30.30 2.47 + 1.05 = 3.52

44 20 th 30.09

Mean 3.52

air Temp 17.4 C

3 46 10 — 28.77 1.30

Mean 17.2

Hygro 34.0° WB 43.9 F DB 60.1 F at 3 50

Monday May 14 1917

Sky clear 1 P Volcan Obs B

air Temp 16.9 C

8 25 20 th 14.77

27 00 th 14.90 0.11

27 20 Ex 15.69

29 00 - 19.30 3.61 + 0.30 = 3.91

29 20 th 19.23

31 00 - 18.75 0.48

31 20 Ex 19.37

33 00 - 22.45 3.08 + 0.82 = 3.90

33 20 th 22.29

Mean 3.905

air Temp 14.9 C

35 00 - 21.14 1.15

Mean 75.9

Hygro 42.2 WB 42.1 F L.B. 55.9 F at 8 39

Sky clear clear

Obs B

air Temp 20.8 C

19 20 th 24.48

21 00 - 24.40 0.08

21 20 Ex 25.10

23 00 - 28.23 2.13 + 0.44 = 3.57

23 20 th 28.11

25 00 - 27.31 0.80

25 20 Ex 27.62

27 00 - 30.33 2.51 + 1.06 = 3.57

27 20 th 30.10

Mean 3.57

air Temp 18.0 C

29 00 - 28.79 1.31

Mean 17.4

Hygro 41.1 WB 45.1 F L.B. 60.0 F at 3 33

C

Tuesday May 15 1917

Sky Chart @ Chart Obs TB air Temp 17.9 C

8 41 20 th 15.85
 42 00 — 16.00 0.15
 42 20 Ex 16.50
 45 00 — 20.56 3.76 + 0.32 = 4.08
 45 20 th 20.50
 47 00 — 20.00 0.50
 47 20 Ex 20.62
 49 00 — 23.90 3.28 + 0.78 = 4.06
 49 20 th 23.73 Mean 4.07
 8 51 20 — 22.67 1.06

air Temp 17.5 C
 Mean 17.7

Hygro 41.1 ° MB 45.17 L B 68.7 at 8 54

Sky Chart @ Chart Obs TB air Temp 20.0 C

3 12 20 th 25.85
 14 00 — 25.80 0.05
 14 20 Ex 26.50
 16 00 — 29.80 3.30 + 0.42 = 3.72
 16 20 th 29.68
 18 00 — 28.89 0.79
 18 20 Ex 29.44
 20 00 — 32.09 2.65 + 1.06 = 3.71
 20 20 th 31.81 Mean 3.715
 3 22 00 — 30.48 1.33

air Temp 20.0 C
 Mean 21.5

Hygro 37.0 ° MB 48.57 L B 64.07 at 3 26

38

Wednesday May 16 1917

Sky Clear Sun Clear Obs R air Temp 17.0°C

8 43 20 ~~th~~ 16.53
 45 00 — 16.65 0.12
 46 20 Ex 17.42
 47 00 — 21.18 3.76 + 0.32 = 4.08
 47 20 ~~th~~ 21.12
 47 00 — 20.59 0.53
 49 10 Ex 21.20
 51 00 — 24.42 3.22 + 0.84 = 4.06
 51 20 ~~th~~ 24.34 Mean 4.07

air Temp 17.0°C

Mean 17.0

8 53 00 — 22.09 1.15

Hygro 26.5° MB 45.17 L B 61.47 at 8 57

Sky Clear Obs R air Temp 22.4°C

3 12 20 ~~th~~ 26.00
 14 00 — 25.94 0.06
 14 20 Ex 26.61
 16 00 — 29.80 3.21 + 0.42 = 3.63
 16 20 ~~th~~ 29.69
 18 00 — 28.90 0.89
 18 20 Ex 29.41
 20 00 — 32.01 2.60 + 1.04 = 3.64
 20 20 ~~th~~ 31.79 Mean 3.635

air Temp 19.7°C

Mean 21.05

3 22 00 — 30.50 1.29

Hygro 33.8° MB 46.17 L B 64.27 at 3 26

Thursday May 17 1917

sky clear Obs B O clear

air Temp 20.7 C

8 35 20 Sh 15.72
 37 00 — 15.87 0.15
 37 20 Ex 16.61
 39 00 — 20.36 3.75 + 0.36 = 4.11
 39 20 Sh 20.30
 41 00 — 19.72 0.58
 41 20 Ex 20.38
 43 00 — 23.52 3.24 + 0.84 = 4.08
 43 20 Sh 23.34 Mean 4.095
 8 45 00 — 22.21 1.11 air Temp 15.3 C
 Mean 18.0

Hygro 56.9° WB 42.1 F DB 58.0 F at 8 49

sky clear O clear

Obs B

air Temp 22.1 C

2 17 20 Sh 25.26
 2 19 00 — 25.29 0.07
 2 19 20 Ex 25.99
 21 00 — 29.20 3.21 + 0.43 = 3.64
 21 20 Sh 29.09
 23 00 — 28.30 0.79
 23 20 Ex 28.84
 25 00 — 31.46 3.62 + 1.02 = 2.64
 25 20 Sh 31.21 Mean 2.64
 27 00 — 29.95 1.26

air Temp 19.5 C

Mean 20.9

Hygro 55.3° WB 44.9 F DB 62.7 F at 3 31

Friday May 18 1917

Sky clear @ clear Obs B

air Temp 15.7 C

8 19 20 th 13.40

21 00 — 13.56 0.16

21 20 Ex 14.23

22 00 — 18.20 3.87 + 0.35 = 4.22

23 20 th 18.17

25 00 — 17.63 0.54

25 20 Ex 18.27

27 00 — 21.57 3.30 - 0.84 = 4.14

27 20 th 21.40

Mean 4.18

air Temp 15.4 C

8 29 00 — 20.27 1.13

Mean 15.55

Hygro 29.1 ° NB 41.0 F SB 58.6 F at 2 33

Sky clear @ clear

Obs B

air Temp 21.9 C

2 36 20 th 24.76

38 00 — 28.70 0.06

38 20 Ex 25.31

40 00 — 28.40 3.09 + 0.42 = 3.51

40 20 th 28.27

42 00 — 27.50 0.79

42 20 Ex 28.00

44 00 — 30.49 2.49 - 1.03 = 3.51

44 20 th 28.23

Mean 3.51

air Temp 18.02

2 46 00 — 28.96 1.27

Mean 19.95

Hygro 37.0 ° NB 45.0 F SB 61.0 F at 3 50

Saturday May 19, 1917
 Sky clear @ clear Obs-B

air Temp 15.7 C

8 17 20 ¹³th 14.84
 19 00 — 14.00 0.16
 19 20 Ex 14.74
 21 00 — 18.50 3.76 + 0.36 = 4.12
 21 20 th 18.48
 22 00 — 17.91 0.57
 22 20 Ex 18.57
 25 00 — 21.79 3.22 + 0.85 = 4.07
 25 20 th 21.60 Mean 4.095
 8 27 00 — 20.47 1.13

air Temp 15.3 C
 Mean 15.5

Hygro 28.1° MB 40.0 F DB 57.9 F at 8 21

Sky clear @ clear Obs-B air Temp 22.2 C

2 31 20 th 25.82
 32 00 — 25.50 0.02
 33 20 Ex 26.21
 35 00 — 29.67 3.46 + 0.42 = 3.88
 35 20 th 29.54
 37 00 — 28.72 0.82
 37 20 Ex 29.21
 39 00 — 32.11 2.80 + 1.09 = 3.89
 39 20 th 31.89 Mean 3.885
 5 3 01 00 — 30.53 1.26

air Temp 20.5 C
 Mean 21.35

Hygro 22.1° MB 43.9 F DB 64.5 F at 3 04

42

Sunday May 20 1917
 Sky Clear ☉ Clear Obs B air Temp 16.1°C

8 17 20 ~~th~~ 13.44
 19 00 — 13.58 1.14
 19 20 ~~Ex~~ 14.49
 21 00 — 15.19 3.79 + 0.30 = 4.09
 21 20 ~~th~~ 15.12
 22 00 — 15.68 0.45
 23 20 ~~Ex~~ 16.30
 25 00 — 21.61 3.21 + 0.74 = 4.05
 25 20 ~~th~~ 21.49 Mean 4.07
 27 00 — 20.46 1.03

air Temp 17.2°C
 Mean 16.65°C

Hygro 22.9° WB 41.8 F DB 59.1 F at 8 31

Sky Clear ☉ Clear Obs B air Temp 20.8°C

3 29 20 ~~th~~ 24.81
 21 00 — 24.70 0.11
 21 20 ~~Ex~~ 25.33
 23 00 — 28.40 3.07 + 0.46 = 3.53
 23 20 ~~th~~ 28.29
 25 00 — 27.47 0.82
 25 20 ~~Ex~~ 27.99
 27 00 — 30.43 2.44 + 1.08 = 3.52

27 20 ~~th~~ 30.20 Mean 3.52-5 air Temp 18.0°C
 3 29 00 — 28.86 1.34 Mean 19.0

Hygro 33.2° WB 47.2 F DB ^{61.0}~~60.1~~ F at 3 43

Monday May 21 1917

Sky Clear @ Clear Obs R air Temp 18.00

8 04 20th 13.58

06 00 — 13.70 0.12

06 20 Ex 14.41

08 00 — 28.08 3.67 + 0.26 = 3.93

08 20th 28.00

10 00 — 27.60 0.40

10 20 Ex 28.21

12 00 — 21.28 3.17 + 0.70 = 3.87

12 20th 21.21

Mean 3.90

air Temp 18.10

14 00 — 20.20 1.01

Mean 18.05

Hygro 33.2° WB 44.87 DB 59.57 at 8 18

Sky Clear @ Clear Obs R air Temp 20.10

3 39 20th 25.02

41 00 — 24.91 0.11

41 20 Ex 25.30

43 00 — 28.28 3.08 + 0.44 = 3.52

43 20th 28.25

45 00 — 27.48 0.77

45 20 Ex 28.01

47 00 — 30.33 2.32 + 1.12 = 3.44

47 20th 30.15

Mean 3.48

air Temp 17.30

49 00 — 28.67 1.46

Mean 18.7

Hygro 31.0° WB 43.17 DB 61.27 at 3 53

Tuesday May 22 1917

Sky clear To clear Gls B air Temp. 16.2 C

8 22 20 ~~th~~ 19.40

24 00 — 19.53 0.13

24 20 Ex 20.31

26 00 — 21.91 3.60 + 0.38 = 3.98

26 20 ~~th~~ 22.84

28 00 — 22.22 0.62

28 20 Ex 22.91

30 00 — 26.93 3.02 + 0.92 = 3.94

30 20 ~~th~~ 26.73

Mean 3.96

air Temp 15.0 C

8 22 00 — 25.51 1.22

Mean 15.6

Hygro 34.0° NB 42.27 L B 5.1 F at 8 36

S M Cloudy

Wednesday May 23 1917
 Sky clear @ clear Obs B

air Temp 16.7 C

8 09 20 ~~th~~ 15.81

11 00 — 15.97 0.16

11 20 ~~Ex~~ 16.70

12 00 — 20.29 3.59 + 0.34 = 3.93

13 20 ~~th~~ 20.22

15 00 — 19.71 0.51

15 20 ~~Ex~~ 20.31

17 00 — 22.41 2.10 + 0.80 = 3.90

17 20 ~~th~~ 22.23

Mean 3.915

air Temp 16.12

8 19 00 — 22.14 1.09

Mean 16.4

Hygro 21.5° WB 41.1 F. & B 58.7 F at 8.23

Sky clear @ clear Obs B

air Temp 20.2 C

3 02 20 ~~th~~ 25.40

04 00 — 25.23 0.17

04 20 ~~Ex~~ 25.91

06 00 — 29.03 3.12 + 0.52 = 3.64

06 20 ~~th~~ 28.91

08 00 — 28.05 0.86

08 20 ~~Ex~~ 28.60

10 00 — 21.15 2.55 + 1.09 = 3.64

10 20 ~~th~~ 20.94

Mean 3.64

air Temp 17.12

3 12 00 — 29.62 1.32

Mean 20.05

Hygro 33.1° WB 46.0 F & B 63.9 F at 3.15

Thursday May 24 1917
 Sky Clear & Clear Obs B

air Temp 17.2 C

8 23 20th 17.23
 35 00 — 17.38 0.15
 35 20 Ex 18.14
 37 00 — 21.73 3.59 + 0.32 = 3.91
 37 20th 21.80
 39 00 — 21.22 .48
 39 20 Ex 21.89
 41 00 — 25.00 3.11 + 0.76 = 3.87
 41 20th 24.43 Mean 3.89
 42 00 — 22.79 1.04

air Temp 18.2 C

Max 18.7

Hygro 32.5° MB 44.1 F DB 62.8 F at 8 47

Sky Clear & Clear Obs B

air Temp 23.0 C

3 03 20th 26.20
 05 00 — 26.23 0.07
 05 20 Ex 26.91
 07 00 — 29.02 3.11 + 0.44 = 3.55
 07 20th 29.90
 09 00 — 29.10 0.80
 09 20 Ex 29.63
 11 00 — 32.12 2.49 + 1.06 = 3.55
 11 20th 31.91 Mean 3.55
 12 00 — 30.59 1.32

air Temp 20.0 C

Max 21.5

Hygro 35.5° MB 46.2 F DB 63.8 F at 3 17

Friday May 25 1917

Sky Clear ☉ Clear Alt B air Temp 17.6°

8 28 20 ~~th~~ 16.74

30 00 — 16.88 0.14

30 20 ~~Ex~~ 17.61

32 00 — 21.10 3.49 + 0.30 = 2.79

32 20 ~~th~~ 21.04

34 00 — 20.59 0.45

34 20 ~~Ex~~ 21.19

36 00 — 24.27 3.08 + 0.68 = 3.76

36 20 ~~th~~ 24.10 Mean 3.775

air Temp 18.1°

8 38 00 — 22.18 0.92

Mean 17.85

Hygro 34.8° WB 42.8 F DB 60.8 F at 8 44.

Sky Clear ☉ Clear Alt B air Temp 20.5°

3 02 20 ~~th~~ 26.20

04 00 — 26.12 0.08

04 20 ~~Ex~~ 26.80

06 00 — 30.00 3.20 + 0.44 = 3.64

06 20 ~~th~~ 29.89

08 00 — 29.10 0.79

08 20 ~~th~~ 29.61

10 00 — 32.18 2.57 + 1.06 = 3.63

11 20 ~~th~~ 31.93 Mean 3.635

air Temp 20.5°

12 00 — 30.61 1.34

Mean 21.65

Hygro 30.5° WB 45.0 F DB 64.1 F at 3 16

Saturday May 26 1917

Sky Clear 9 Clear Obs B air Temp 19.1 C

44 20 th 18.35
 46 00 — 18.46 0.11
 46 20 Ey 19.21
 48 00 — 22.81 3.60 + 0.22 = 3.92
 48 20 th 22.75
 50 00 — 22.21 0.54
 50 20 Ey 22.86
 52 00 — 25.95 3.09 + 0.22 = 3.91
 52 20 th 25.80 Mean 3.915
 54 00 — 24.71 10.9
 54 01 — 24.71 10.9

air Temp 19.0 C

Mean 19.05

Hypo 22.0 WB 49.97 DB 64.97 at 8 58

SM Clouds over Sun

~~Sunday May 27 1917~~

~~Thy Char 0 Char H₂T₃ air Temp 14.0°~~

~~19 20 16.80~~

~~21 20 16.94 0.14~~

~~21 20 Ex 17.60~~

~~22 00 21.22 3.62 + 0.30 = 3.92~~

~~22 20 21.10~~

~~25 00 20.65 0.45~~

~~25 20 Ex 21.35~~

~~27 00 24.21 2.96 +~~

~~28 20 24.09~~

~~Mean~~

~~air Temp 19.0°~~

~~Mean 18.5~~

~~29 00~~

~~Hydro MB 7 DIP 7 at~~

Sunday May 27 1917

Sky clear Obs B clear

air Temp 19.0 C

8 20 20th 22.70

22 00 — 22.16 0.54

23 20 Ex 22.80

24 00 — 25.69 2.89 + 0.73 = 3.62

24 20th 25.53

26 00 — 24.61 0.92

26 20 Ex 25.22

28 00 — 27.79 2.57 + 1.06 = 3.63

28 20th 27.59

Mean 3.635

air Temp 18.2 C

Moon 18.6

8 40 00 — 26.40 1.17

Hygro 37.0 WB 45.5 F SB 60.8 F at 8 44

Sky clear clear Obs B

air Temp 22.1 C

2 22 20th 26.41

24 00 — 26.30 0.09

24 20 Ex 26.71

26 00 — 29.60 2.89 + 0.44 = 3.33

26 20th 29.67

28 00 — 28.90 0.77

28 20 Ex 29.40

30 00 — 31.71 2.31 + 1.02 = 3.34

30 20th 31.47

Mean 3.325

air Temp 17.8 C

Moon 20.95

2 42 00 — 30.22 1.27

Hygro 36.7 WB 47.9 F SB 63.5 F at 3 46

C

Tuesday May 29 1917

Sky clear @ clear Obs R air Temp 17.0 C

8 27 20 th 15.88

29 00 — 16.02 0.14

29 20 Ex 16.80

31 00 — 20.43 3.63 + 0.30 = 3.93

31 20 th 20.40

33 00 — 19.94 .46

33 20 Ex 20.54

35 00 — 23.71 3.17 + 0.74 = 3.91

35 20 th 23.56 Mean 3.92

air Temp 17.8 C

8 37 00 — 22.55 1.01

Mean 17.4

Hygro 30.0 NB 42.0 T LB 59.2 at 8 41

Sky clear @ clear Obs R air Temp 21.4 C

3 16 20 th 24.28

18 00 — 24.31 0.07

18 20 Ex 24.89

20 00 — 27.93 3.04 + 0.40 = 3.44

20 20 th 27.82

22 00 — 27.10 0.72

22 20 Ex 27.62

24 00 — 30.09 2.47 + 0.97 = 3.44

24 20 th 29.88 Mean 3.44

air Temp 18.7 C

3 26 00 — 28.66 1.22

Mean 20.05

Hygro 37.5° NB 44.8 T LB 66.0 at 3 30

Thursday May 31, 1917

Sky clear @ clear OBS B air Temp 18.9 C

46 20 th 17.93

48 00 - 17.20 2.17

48 20 Ex 17.98

50 00 - 21.64 3.66 + 0.35 = 4.01

50 20 th 21.60

52 00 - 21.07 0.53

52 20 Ex 21.69

54 00 - 24.81 3.12 + 0.84 = 3.96

54 20 th 24.63 Mean 3.985

air Temp 17.3 C

Moist 18.1

56 00 - 23.47 1.16

Hygro 32.3° MB 44.1 F LB 62.1 F at 9 00

Sky clear @ clear OBS B air Temp 21.1 C

29 20 th 25.80

26 00 - 22.74 0.06

26 20 Ex 24.41

28 00 - 27.60 3.17 + 0.44 = 3.63

28 20 th 27.49

30 00 - 26.70 0.7.9

30 20 Ex 27.22

32 00 - 29.74 2.52 + 1.06 = 3.58

32 20 th 27.50 Mean 3.605

air Temp 17.8 C

Moist 19.45

34 00 28.18 1.32

Hygro 29.5° MB 44.8 F LB 59.7 F at 3 30

Saturday June 2 1917

Sky Clear & Clear Obs TR

air Temp 13.2 C

23 20 th 11.15
 25 00 — 11.32 0.17

25 20 Ex 12.10

27 00 — 15.83 3.73 + 0.30 = 4 0.3

27 20 th 15.00

27 00 — 15.86 0.44

29 20 Ex 16.00

31 00 — 19.22 3.22 + 0.76 = 3.98

31 20 th 19.10

Mean 4.005

air Temp 14.2 C

20 00 — 18.03 1.07

Mean 13.7

Hygro 23.0° WB 39.1 F DB 55.4 F at 8 37

Sky Clear & Clear

Obs TR

air Temp 21.0 C

3 01 20 th 24.40

03 00 — 24.31 0.09

03 20 Ex 24.98

05 00 — 28.20 3.22 + 0.46 = ³3.68

05 20 th 28.07

07 00 — 27.25 0.84

07 20 Ex 27.80

09 00 — 30.23 2.63 + 1.07 = 3.70

09 20 th 30.10 Mean 3.67

air Temp 18.1 C

3 11 00 — 28.80 1.30

Mean 19.55

Hygro 29.0° WB 41.9 F DB 60.9 F at 2 15

Tuesday June 5 1917

Thy Libris 2 P. 2 Libras Ob 2 B

air Temp 14.8°C

23	20	th	13.20		
35	00	—	13.40	0.20	
25	20	Ex	14.12		
37	00	—	17.75	3.63	+ 0.30 = 29.3
37	20	th	17.70		
39	00	—	17.30	0.40	
39	20	Ex	17.98		
41	00	—	21.10	3.12	+ 0.69 = 3.81
41	20	th	20.91		
				Mean	3.87
43	00	—	17.93	.98	

air Temp 15.0°C

Mean 14.9

Hygro 43.2° WB 427 F DB 56.0 F at 847

Thy Libris 2 P. 2 Libras

Ob 2 B

air Temp 20.2°C

14	20	th	24.70		
16	00	—	24.60	0.10	
16	20	Ex	25.25		
18	00	—	28.40	2.15	+ 0.45 = 3.60
18	20	th	28.27		
20	00	—	27.49	0.80	
20	20	Ex	28.00		
22	00	—	30.51	2.57	+ 1.08 = 3.65
22	20	th	30.26		
				Mean	3.595
24	00	—	28.87	1.37	

air Temp 18.9°C

Mean 19.55

Hygro 32.3° WB 427 F DB 62.4 F at 3 28

Wednesday June 6 1917

Sky Clear 2 P to clear Ob 2 B air Temp 19.5 C

2 54 20 th 18.33

56 00 — 18.42 0.09

56 20 Ex 19.21

58 00 — 22.70 3.49 + 2.30 = 3.79

58 20 th 22.62

9 00 00 — 22.11 0.51

00 20 Ex 22.76

02 00 — 25.76 3.00 + 1.77 = 3.77

02 20 th 25.62

Mean 3.78

air Temp 19.6 C

Mean 19.55

9 04 00 — 24.57 1.03

Hygro 32.5° WB 46.1 F DB 64.7 F at 9 08

Sky Clear 2 P to clear

Ob 2 B air Temp 21.9 C

3 18 20 th 26.42

20 00 — 26.40 0.02

20 20 Ex 27.08

22 00 — 30.10 3.02 + 0.36 = 3.38

22 20 th 30.00

24 00 — 29.31 0.69

24 20 Ex 29.85 + 0.90 = 3.35

26 00 — 32.30 2.45 Mean 3.365

26 20 th 32.07

air Temp 21.9 C

Mean 22.55

3 28 00 — 30.99 1.10

Hygro 32.7° WB 46.1 F DB 65.2 F at 3 32

Saturday June 9 1917

Sky clear 3 9 Obs R air Temp 15.8 C

8 16 20 ~~th~~ 15.00

18 00 — 15.13 0.13

18 20 Ex 15.85

20 00 — 19.26 3.41 + 0.28 = 3.69

20 20 ~~th~~ 19.20

22 00 — 18.78 0.42

22 20 Ex 17.33

24 00 — 22.23 2.91 + 0.74 = 3.65

24 20 ~~th~~ 22.10

Mean 3.67

air Temp 15.4 C

Mean 15.6

26 00 — 21.03 1.07

Hygro 37.6 WB 42.9 F DB 60.0 F at 8 30

Monday June 11 1917

Sky clear clear Obs B air Temp 15.3 C

8 28 20th 16.15

20 00 — 16.30 0.15

20 20 Ex 17.00

32 00 — 20.43 2.43 + 0.32 = 3.75

32 20th 20.40

34 00 — 19.90 2.50

34 20 Ex 20.45

36 00 — 22.42 2.97 + 0.77 = 3.74

36 20th 22.29 Mean 3.745

air Temp 15.9 C

8 32 00 — 22.25 1.04

Mean 15.55

Hygro 39.0 MB 43.27 L B 58.87 at 8 42

Sky clear clear Obs B air Temp 22.0 C

3 17 20th 24.35

19 00 — 24.26 0.01

19 20 Ex 25.00

21 00 — 28.12 3.12 + 0.36 = 3.48

21 20th 28.03

23 00 — 27.22 0.71

23 20 Ex 27.84

25 00 — 30.37 2.538 + 0.96 = 3.49

25 20th 30.11 Mean 3.485

air Temp 19.0 C

3 27 00 — 28.91 1.20

Mean 21.0

Hygro 34.0 MB 42.27 L B 61.17 at 3 31

Tuesday June 12 1917

Sky clear @ clear Alt B air Temp. 16.1 °C

2 38 20 th 15.81

40 00 — 16.97 0.16

40 20 Ex 16.70

42 00 — 20.10 3.40 + 0.32 = 3.72

42 20 th 20.05

44 00 — 19.56 1.49

44 20 Ex 20.14

46 00 — 23.03 2.87 + 0.76 = 3.65

46 20 th 22.87 Mean 3.685 air Temp 15.7 °C

8 48 00 — 21.85 1.04 Mean 15.7

Hygro 41.3 WB 42.1 F L B 58.9 F at 8 52

Sky clear @ clear Alt B air Temp 20.7 °C

3 25 20 th 25.99

27 00 — 25.90 0.09

27 20 Ex 24.52

29 00 — 27.50 2.98 + 0.43 = 2.41

29 20 th 27.28

31 00 — 26.61 0.77

31 20 Ex 27.09

33 00 — 29.46 2.37 + 1.02 = 2.39

33 20 th 29.21 Mean 2.40 air Temp 17.3 °C

3 35 00 — 27.95 1.26 Mean 17.0

Hygro 40.4 WB 46.5 F L B 58.7 F at 3 39

Friday June 15 1917

Key Char 2 Char

Obs B

air Temp 14.5°C

23 20 ~~th~~ 12.30

26 00 12.32

26 20 ~~Ex~~ 12.70

27 00 —

27 20 ~~th~~

29 00 —

29 20 ~~Ex~~

31 00 —

31 20 ~~th~~

33 00 —

60

Friday June 15 1917

Sky Clear 0 Clear Gt B air Temp 14.4 C

8 27 20 th 18.22
 31 00 — 17.60 0.62
 31 20 Ex 18.25
 42 00 — 21.21 2.96 + 0.84 = 3.80
 32 20 th 21.02
 25 20 — 19.96 1.06
 25 20 Ex 20.80
 37 00 — 22.21 2.71 + 1.15 = 3.86
 37 20 th 22.98 Mean 3.83
 39 00 — 21.74 1.24 air Temp 14.1 C
 Mean 14.25

Hygro 294° WB 39.0 F DB 56.3 F at 8 43

Sky Clear 0 Clear Gt B air Temp 21.0 C

3 33 20 th 24.20
 35 00 — 24.09
 35 20 Ex 24.72
 37 00 — 27.98 + =
 37 20 th
 39 00 —
 39 20 Ex
 41 00 — + =
 41 20 th Mean
 43 00 — air Temp
 Mean

PM Fri June 15-1917

Sty Chair @ Chair Obs 73 air Temp 18.2 C

3 29 20 ~~th~~ 27.31

41 00 — 26.57 0.72

41 20 Ex 27.03

43 00 — 27.70 2.67 + 1.00 = 3.67

43 20 ~~th~~ 27.47

45 00 — 28.20 1.27

45 20 Ex 28.64

47 00 — 28.77 2.15 + 1.46 = 3.61

47 20 ~~th~~ 28.45

Mean 3.64

air Temp 17.8 C

3 47 00 — 28.77 1.66

Mean 18.0

Hygro 31.5 WB 43.97 DB 61.17 at 3.53

62

Saturday June 16 1917
 Sky Clear & Clear Ob 2 TB air temp 17.1 C

8 46 20 th 15.18

8 48 00 — 15.30 0.12

48 20 Ex 16.10

30 00 — 19.91 3.81 + 0.30 = 4.11

50 20 th 19.86

52 00 — 19.37 0.49

52 20 Ex 20.00

54 00 — 22.27 3.27 + 0.80 = 4.07

54 20 th 22.11

Mean 4.07

air temp 18.0 C

8 56 00 — 21.97 1.12

Mean 17.55

Hygro 14.0 ° WB 7422 LB 63.17 at 9 00

Thursday June 24th 1917

Sky clear 4 to 5 clear

Obs B. air temp. 16.1 C

8 18 20th 17.22

40 00 — 17.40 0.18

40 20 Ex 18.13

42 00 — 21.60 3.47 + 0.35 = 3.82

42 20th 21.52

44 00 — 21.00 0.52

44 20 Ex 21.60

46 00 — 24.47 2.87 + 0.88 = 3.75

46 20th 24.30 Mean 3.785 air temp. 15.1 C

8 48 00 — 22.05 1.25

Mean 15.6

Hygro 35.5° MB 42.97 DB 57.07 at 8 52

Sky clear 4 to 5 clear

Obs B. air temp. 21.0 C

3 21 20th 25.00

33 00 — 24.94 0.06

33 20 Ex 25.60

35 00 — 28.60 3.00 + 0.42 = 3.42

35 20th 28.47

37 00 — 27.69 0.78

37 20 Ex 28.21

39 00 — 30.54 2.33 + 1.05 = 3.38

39 20th 30.30 Mean 3.40

air temp. 16.0 C

3 41 00 — 28.98 1.32

Mean 19.5

Hygro 34.0° MB 44.87 DB 62.17 at 3 45

64

Friday June 22 1917

Sky clear Ob R air Temp 10.9 C

8 27 20 th 14.00
 29 00 - 14.17 0.17
 29 20 Ex 14.98
 31 00 - 18.40 3.42 + 0.32 - 3.74
 31 20 th 18.33
 33 00 - 17.87 0.46
 33 20 Ex 18.50
 35 00 - 21.41 2.91 + 0.20 - 3.71

35 20 th 21.25 Mean 3.725

air Temp 14.1 C

27 00 - 20.12 1.13

Mean 12.5

Hygro 41.0° NR 41.9 F DB 57.1 F at 8 41

~~Sky clear Ob R air Temp 19.4 C~~

3 20 20 th 24.75

22 00 - 24.60

22 20 Ex 25.23

24 00 -

24 20 th

26 00 -

26 20 Ex

28 00 -

28 20 th

Mean

air Temp

Mean

~~Hygro ° NR F DB F at~~

P M June 22 1917

They clear & clear Ob B air Temp 19.0 C

3 26 20th 27.62

28 00 — 26.87 $0.75 \pm$
~~22.5~~

28 20th 27.40

30 00 — 29.79 $2.39 + 1.10 = 3.39$

30 20th 29.52

32 00 — 28.28 1.24

34 20th 28.70

34 00 — 30.91 $2.01 + 1.38 = 3.39$

34 20th 31.40 Mean 3.39

air Temp. 14.0 C

36 00 — 28.88 1.52

Mean 18.5

Hygro 33.1° WB 43.97 LB 61.77 at 3 40

66

Monday June 25/1917

Sky Clear & Clear Ob. B air Temp 15.0°C

8 46 20th 15.10

48 00 — 15.21 0.11

48 20 Ex 16.00

50 00 — 17.38 3.88 + 2.35 = 4.23

50 20th 17.80

52 00 — 19.21 0.57

52 20 Ex 19.59

54 00 — 23.11 3.21 + 0.95 = 4.16

54 20th 23.40

Mean 4.195 air Temp 16.0°C

8 56 00 — 21.09 1.31

Mean 15.5

Hygro 21.4° WB 40.1 F DB 60.0 F at 9.00

Sky Clear & Clear

Ob. B air Temp 22.0°C

2 22 20th 25.60

25 00 — 25.50 0.10

25 20 Ex 26.19

27 00 — 29.42 3.23 + 0.46 = 3.69

27 20th 27.30

29 00 — 28.47 0.83

29 20 Ex 29.01

31 00 — 31.60 2.57 + 1.10 = 3.67

31 20th 31.33

Mean 3.67

air Temp 18.9°C

2 43 00 — 29.97 1.36

Mean 20.45

Hygro 25.4° WB 48.8 F DB 62.1 F at 3.37

Tuesday June 26 1917

Sky clear @ clear Obs B air Temp 14.3 C

8 38 20 th 14.02

40 00 — 14.20 0.18

40 20 Ex 14.98

42 00 — 18.61 3.63 + 0.34 = 3.97

42 20 th 18.57

44 00 — 18.06 0.51

44 20 Ex 18.69

46 00 — 21.81 3.12 + 0.80 = 3.92

46 20 th 21.63

Mean 3.945 air Temp 15.0 C

2 48 00 — 20.82 1.10

Mean 14.65

Hygro 23.0° WB 41.5 F & B 58.0 F at 8.52

Sky clear @ clear Obs B air Temp 21.1 C

2 18 20 th 25.40

20 00 — 25.33 0.07

20 20 Ex 26.00

22 00 — 29.17 3.17 + 2.43 = 3.60

22 20 th 29.01

24 00 — 28.22 0.79

24 20 Ex 28.79

26 00 — 31.29 2.50 + 1.08 = 3.58

26 20 th 31.04

Mean 3.59

air Temp 18.7 C

3 28 00 — 29.68 1.36

Mean 20.4

Hygro 22.8° WB 42.0 F & B 63.0 F at 3.52

68

Friday June 29 1917
 Sky clear 31° of clear. DB 13 air Temp 16.05 DB

8 39 20 Th 15.04

41 00 — 15.19 0.15

41 20 Ex 15.91

43 00 — 19.55 3.64
 36 + 0.32 = 3.96

43 20 Th 19.50

45 00 — 19.00 0.50

45 20 Ex 19.63

47 00 — 22.72 3.09 + 0.81 = 3.90

47 20 Th 22.54

Mean 3.93

air Temp 16.1 C

8 49 00 — 21.42 1.12

Mean 16.05

Hygro 32.4° WB 43.1 F DB 60.3 F at 8.53

Friday July 6 1917
 Sky clear & hot & clear

Obs B on Temp 16.1°C

P 40 20 th 14.65
 42 00 — 14.81 0.16
 42 20 Ex 15.53
 44 00 — 18.91 3.38 + 0.28 = 3.66
 44 20 th 18.86
 46 00 — 18.47 .39
 46 20 Ex 19.02
 48 00 — 21.99 2.97 + 0.65 = 3.62
 48 20 th 21.81 Mean 2.64
 50 00 — 20.90 0.91

conting 15.00
 Mean 15.55

Hygro 53.5° MB 44.2 F & B 56.3 F at 8.54

70

~~Saturday July 7 1917~~~~sky clear & blue H₂ B air Temp 48.2~~~~26 20 13.84~~~~28 20~~~~28 20 64~~

Saturday July 7th 1917
 Sky Clear & Clear Obs TB

air Temp 15.8 C

29 20th 14.10
 31 00 — 14.25 0.15
 31 20 Ex 14.99
 33 00 — 15.37 3.38 + 0.28 = 3.66
 33 22th 15.20
 35 00 — 17.90 0.40
 35 20 Ex 18.48
 37 00 — 21.42 2.94 + 0.66 = 3.60
 37 20th 21.28 Mean 3.63

air Temp 14.1 C

39 00 — 20.35 0.93

Mean 14.95

Hygro 51.6 MB 46.1 F DB 58.2 F at 8 45

Sky Clear Sun Clear Obs TB air Temp 20.9 C

10 20th 24.60
 12 00 — 24.55 0.05
 12 20 Ex 25.20
 14 00 — 28.38 3.18 + 0.40 = 3.58
 14 20th 28.23
 16 00 — 27.49 0.74
 16 20 Ex 28.00
 18 00 — 30.52 2.52 + 1.05 = 3.57
 18 20th 30.31 Mean 3.575

air Temp 18.9 C

20 00 — 28.95 1.36

Mean 19.9

Hygro 47.5 MB 48.0 F DB 61.2 F at 3 24

72

Wednesday July 11 1917

Sky clear 51° 0' Obs B air Temp 15.0 C

8 17 20 ~~th~~ 16.16
 19 00 — 16.34 0.18
 19 20 ~~Ex~~ 17.04
 21 00 — 20.20 3.16 + 0.32 = 3.48
 21 20 ~~th~~ 22.19
 23 00 — 19.74 0.45
 23 20 ~~Ex~~ 22.29
 25 00 — 23.01 2.72 + 0.71 = 3.43
 25 20 ~~th~~ 22.85 Mean 3.405 air Temp 15.0 C
 27 00 — 21.88 0.77 Mean 15.0

Hygro 52.0° MB 43.7 + DB 55.6 at 8 31

Sky clear 27° clear Obs B air Temp 22.0 C

3 17 20 ~~th~~ 25.61
 19 00 — 25.58 0.03
 19 20 ~~Ex~~ 26.20
 21 00 — 27.19 2.99 + 0.40 = 3.39
 21 20 ~~th~~ 29.07
 23 00 — 28.21 0.78
 23 20 ~~Ex~~ 28.81
 25 00 — 31.20 2.39 + 1.00 = 3.39
 25 20 ~~th~~ 32.97 Mean 3.39 air Temp 18.2 C
 27 00 — 29.76 1.21 Mean 20.1

Hygro 47.1° MB 47.1 + DB 60.8 at 3 31

Thurs July 12 '17

Sky by his 2P Glass Obs B air Temp 16.0 C

8 25 20 ~~th~~ 15.05

27 00 = 15.19 0.14

27 20 Ex 15.91

29 00 - 19.32 3.41 + 3.31 = 3.72

29 20 ~~th~~ 19.28

31 00 - 18.80 0.48

31 20 Ex 19.40

33 00 - 22.31 2.91 + 0.74 = 3.65

33 20 ~~th~~ 22.13 Mean 3.685 air Temp 16.6 C

+ 35 00 - 21.14 0.97 Mean 16.3

Hygro 43.1° WB 44.9 F DB 60.5 F at 8 39

Sky by his 2P Glass Obs B air Temp 20.6 C

2 46 20 ~~th~~ 25.20

48 00 - 25.11 0.09

48 20 Ex 25.80

50 00 - 28.98 3.18 + 0.43 = 3.61

50 20 ~~th~~ 28.87

52 00 - 28.10 0.77

52 20 Ex 28.66

54 00 - 31.21 2.55 + 1.06 = 3.61

54 20 ~~th~~ 31.00

Mean 3.61

air Temp 17.8 C

2 56 00 - 28.66 1.34

Mean 20.2

Hygro 41.8° WB 47.8 F DB 64.0 F at 3 00

74

Monday July 16 1917

Sky Clear & Clear

Obs B air Temp 14.3°C

23 20th 22.16

25 00 - 22.24 0.08

25 20 Ex 22.00

27 00 - 26.32 3.32 + 0.36 = 3.68

27 20th 26.23

29 00 - 25.59 0.64

29 20 Ex 26.15

41 00 - 25.72 2.77 + 0.92 = 3.69

41 20th 25.71

Mean 3.685

air Temp 17.9°C

Mean 18.1

43 00 - 27.53 1.19

Hygro 39.0° MB 46.4 F DB 63.2 F at 8 47

Sky Clear & Clear

Obs B

air Temp 22.0°C

13 20th 25.71

15 00 - 25.63 0.07

15 20 Ex 26.30

17 00 - 29.30 3.20 + 0.44 = 3.64

17 20th 29.39

19 00 - 28.57 0.82

19 20 Ex 29.10

21 00 - 31.63 2.53 + 1.08 = 3.61

21 20th 31.36

Mean 3.625

air Temp 17.8°C

23 00 - 30.01 1.35

Mean 20.9

Hygro 31.4° MB 50.1 F DB 64.5 F at 3 27

Tuesday July 17 1917

Key Char 0.19 Obs B air Temp 17.0 C

8 05 20th 11.96

07 00 - 12.15 0.19

07 20 Ex 12.90

09 00 - 16.31 3.41 + 0.28 = 3.69

09 20th 16.30

11 00 - 15.93 0.37

11 20 Ex 16.56

13 00 - 19.56 3.00 + 0.62 = 3.62

13 20th 19.45 Mean 3.655 air Temp 17.4 C

15 00 - 18.58 0.89

Mean 17.2

Hygro 39.0° MB 44.0 F LB 58.0 F at 8 19

Key Char 0.19 Obs B air Temp 20.2 C

23 19 20th 24.70

21 00 - 24.60 0.10

21 20 Ex 25.50

23 00 - 28.38 3.08 + 0.44 = 3.52

23 20th 28.26

25 00 - 27.47 0.77

25 20 Ex 28.00

27 00 - 30.47 2.47 + 1.03 = 3.52

27 20th 30.24 Mean 3.52

air Temp 18.8 C

29 00 - 28.75 1.29

Mean 19.55

Hygro. 46.5° MB 48.5 F LB 60.8 F at 2 33

Sunday July 8 1917
 Sky Clear & High Obs B

air Temp 16.7°

8 56 20th 16.35

58 00 — 16.50 0.15

58 20th 17.29

9 00 00 — 20.80 3.51 + 0.22 = 3.83

00 20th 20.72

02 00 — 20.23 0.49

02 20th 20.86

04 00 — 22.88 2.02 + 0.77 = 2.79

04 20th 22.71

Mean 3.81

air Temp 15.0°

9 06 00 — 22.66 1.05

Mean 15.85

Hyp 419 WB 4277 LB 5707 at 9 10

Wednesday July 18 1917
 Sky Clear Obs TB Solar

air Temp. 17.2 C

33 20th 15.14
 35 00 - 15.31 0.16
 38 20 Ex 16.06
 37 00 - 19.58 2.52 + 2.30 = 3.82
 37 20th 19.52
 39 00 - 19.18 0.44
 39 20 Ex 19.69
 41 00 - 22.73 3.84 + 0.71 = 3.75
 41 20th 22.57 Mean 3.785

air Temp. 16.4 C

43 00 - 21.49 0.98

Mean 16.8

Hygro 38.0° MB 45.9 F DB 54.0 F at 8 47

Sky Clear Obs TB

air Temp. 21.8 C

3 12 20th 26.07
 15 00 - 25.94 0.13
 15 20 Ex 26.61
 17 00 - 29.73 3.12 + 0.47 = 3.59
 17 20th 29.60
 17 00 - 28.79 0.81
 17 20 Ex 27.31
 21 00 - 31.82 2.51 + 1.09 = 3.60
 21 20th 31.58 Mean 3.595

air Temp. 17.9 C

3 23 00 - 30.29 1.29

Mean 20.85

Hygro 30.5° MB 47.8 F DB 54.5 F at 8 27

78

Thursday July 19 1917

Very Clear Very Clear

Obs B air temp 170°

8 25- 20th 15.94

27 00 — 16.15 0.21

27 20 Ex 16.91

29 00 — 20.41 3.50 + 0.30 = 3.80

29 20th 20.40

31 00 — 20.00 1.40

31 20 Ex 20.61

33 00 — 22.61 3.00 + 0.72 = 3.72

33 20th 22.46 Mean 3.76

air temp 180°

8 35- 00 — 22.41 1.05

Mean 175

Hypo 375° NB 460 7 DB 62.4 7 at 8 39

Friday July 20 1917
 Sky Clear & Clear Obs B air Temp 16.0 C

8 08 20 ~~th~~ 17.12

10 00 — 17.28 0.16

10 20 Ex 17.99

12 00 — 21.21 3.32 + 0.36 = 3.68

12 20 ~~th~~ 21.30

14 00 — 20.75 0.25

14 20 Ex 21.28

16 00 — 24.21 2.83 + 0.82 = 3.65

16 20 ~~th~~ 24.05

Mean 3.665 air Temp 15.4 C

8 18 00 — 22.96 1.09

Mean 17.2

Hygro 37.0° M B 42.9 F & B 54.1 F at 8 22

Sky Clear & Clear Obs B air Temp 24.0 C

3 16 20 ~~th~~ 26.28

18 00 — 26.20 0.08

18 20 Ex 26.90

20 00 — 30.11 3.21 + 0.43 = 3.64

20 20 ~~th~~ 29.99

22 00 — 29.21 0.78

22 20 Ex 29.78

24 00 — 32.34 2.56 + 1.06 = 3.62

24 20 ~~th~~ 32.11

Mean 3.63

air Temp 21.5 C

3 20 00 — 30.78 1.33

Mean 22.75

Hygro 36.2° M B 51.5 F & B 64.8 F at 3 30

80

Saturday July 21 1917
 Sky Clear & Clear Obs B air Temp ^{17.8} ~~17.8~~ C

8 08 20th 14.10

10 00 — 14.22 0.12

11 20th Ex 14.95

12 00 — 18.37 3.44 + 0.28 = 3.72

12 20th 18.33

14 00 — 17.90 0.43

14 20th Ex 18.49

16 00 — 21.48 2.77 + 0.68 = 3.67

16 20th 21.32

Mean 3.675 air Temp 18.5 C

Mean 18.15

8 18 00 — 20.40 0.92

Hygro 32.5° WB 45.5 F DB 60.0 F at 8 22

Sky Clear Part Clear Obs B air Temp 24.0 C

3 15 20th 26.67

17 00 — 26.60 0.07

17 20th Ex 27.29

19 00 — 30.41 3.12 + 0.40 = 3.52

19 20th 30.30

21 00 — 29.57 0.73

21 20th Ex 30.10

23 00 — 32.63 2.53 + 0.99 = 3.52

23 20th 32.40

Mean 3.52

air Temp 21.0 C

Mean 22.5

3 25 00 — 31.15 1.25

Hygro 33.8° WB 45.5 F DB 65.0 F at 3 29

Sunday July 22, 1917

Stacy Chas. Sun. Chas. Obs. B air Temp 17.0 C

22 20th 16.20

24 00 — 16.33 0.13

24 20th 17.08

26 00 — 20.45 3.40 + 0.29 = 3.69

26 20th 20.45

28 00 — 20.00 0.45

28 20th 20.58

30 00 — 23.57 2.99 + 0.70 = 2.67

30 20th 23.40

Mean 2.67

air Temp 17.2

Max 17.1

32 00 — 22.45 .95

Hygro 34% NB 43.2 F DB 62.1 F at + 36

Thursday July 22 1917

Thylenes 4th Class

Obs B air Temp 17.5 C

24 20th 19.72

26 00 — 19.86 0.14

26 20 Ex 20.55

28 00 — 23.87 3.32 + $\frac{0.36}{72} = 3.68$

28 20th 23.80

30 00 — 24.22 0.58

30 20 Ex 23.90

32 00 — 26.60 2.70 + 0.91 = 3.61

32 20th 26.42

Mean 2.645

air Temp 16.5 C

34 00 — 25.18 1.24

Mean 16.9

Hypso 419° WB 42.9 F LB 57.6 F at 8 38

1st Page for aug. 456

Saturday August 4 1917

Sky Clear Sun Clear Obs B air Temp 17.0 C

2 17 20 ~~th~~ 17.04

19 00 — 17.10 0.06

19 20 Ex 17.82

21 00 — 21.32 3.50 + 0.32 = 3.82

21 20 ~~th~~ 21.27

23 00 — 20.70 0.57

23 20 Ex 21.30

25 00 — 24.20 2.90 + 0.86 = 3.76

25 20 ~~th~~ 24.03

Mean 3.79

air Temp 17.0 C

27 00 ~~th~~ 22.88 1.15

Mean 17.0

Hygro 37.9° WB 47.3 F DB 62.0 F at 8 31

Sky Clear IP Clear Obs B air Temp 22.0 C

3 11 20 ~~th~~ 26.00

13 00 — 25.93 0.07

13 20 Ex 26.62

15 00 — 29.80 3.18 + 0.42 = 3.60

15 20 ~~th~~ 29.70

17 00 — 28.92 0.78

17 20 Ex 29.50

19 00 — 32.09 2.57 + 1.01 = 3.60

19 20 ~~th~~ 31.84

Mean 3.60

air Temp 21.0 C

21 00 — 30.60 1.24

Mean 22.0

Hygro 35.5° WB 46.9 F DB 64.2 F at 3 25

84

Monday August 6 1917

Key Char @ Chap Ob R air Temp 18.3 C

8 11 20 ~~th~~ 16.10

12 00 — 16.24 0.14

12 20 Ex 17.00

15 00 — 20.49 3.49 + 0.30 = 3.79

15 20 ~~th~~ 20.47

17 00 — 20.00 0.47

17 20 Ex 20.62

19 00 — 22.66 3.64 + 0.70 = 3.74

19 20 ~~th~~ 22.49

Mean 3.765

air Temp 19.5 C

21 00 — 22.57 .92

Mean 18.9

Hygro 38.9° WB 48.2 F DB 64.6 F at 8 25

Tuesday August 7, 1917

Sky clear & clear Obs B air Temp. 18.2 C

8 19 20 th 16.50

21 00 — 16.61 0.11

21 20 Ex 17.22

22 00 — 20.75 3.43 + 0.28 = 3.71

22 20 th 20.70

23 00 — 20.24 0.46

25 20 Ex 20.83

27 00 — 23.79 2.96 + 0.74 = 3.70

27 20 th 23.61 Mean 3.705 air Temp. 17.6 C

8 29 00 — 22.60 1.01 Mean 17.9

Hygro 42.7° WB 45.7 F DB 60.7 F at 8 33.

Sky clear 45 clear Obs B air Temp. 17.5 C

3 16 20 th 24.72

18 00 — 24.53 0.19

18 20 Ex 25.19

20 00 — 28.10 2.91 + 0.52 = 3.43

20 20 th 27.95

22 00 — 27.09 0.86

22 20 Ex 27.60

24 00 — 30.00 2.40 + 1.06 = 3.46

24 20 th 29.78 Mean 3.445 air Temp. 19.5 C

3 26 00 — 28.52 1.26 Mean 19.4

Hygro 35.0° WB 47.0 F DB 63.7 F at 3 30

Wed Aug 8 1917

They begin 4 P. Obs B air Temp 14.2 C

8 18 20 th 15.68

20 00 — 15.70 0.01

20 20 Ex 16.66

22 00 — 20.01 3.35 + 20.20 = 3.55

22 20 th 20.00

24 00 — 19.60 0.40

24 20 Ex 20.20

26 00 — 22.25 3.05 + 0.56 = 3.61

26 20 th 22.11 Mean 3.58

air Temp 17.7 C

28 00 — 22.38 00.73

Mean 18.95

Hypo 370° MB 44.87 DB 61.27 at 8 32

Thursday August 9 1917

Sky clear & clear Obs B air Temp. 18.3 C

8 13 20 Sh 16.56

15 00 Sh 16.70 0.14

15 20 Ex 17.40

17 01 — 20.71 3.31 + 0.26 = 3.57

17 20 Sh 20.69

19 00 — 20.30 0.39

19 20 Ex 20.85

21 00 — 22.83 2.94 + 0.59 = 3.57

21 20 Sh 23.70

Mean 3.57

air Temp. 21.4 C

8 23 00 — 22.91 0.79

Mean 18.7

Hygro 38.5° WB 46.9 F DB 62.9 F at 8 27

Sky clear & clear

Obs B

air Temp. 22.0 C

3 06 20 Sh 27.13

08 00 — 27.02 0.11

08 20 Ex 27.90

10 00 — 30.50 3.10 + 0.45 = 3.55

11 20 Sh 29.65

12 00 — 29.89 0.79

12 20 Ex 29.39

14 00 — 32.90 2.57 + 1.04 = 3.55

14 20 Sh 32.66

Mean 3.55

air Temp. 20.9 C

3 16 00 — 31.37 1.29

Mean 21.45

Hygro 34.0° WB 47.9 F DB 65.7 F at 3 20

Friday August 10 1917
 Sky Clear & Clear Obs B air Temp 18.9 C

8 10 20 ~~th~~ 16.09

12 00 - 16.20 0.11

12 20 Ex 16.90

14 00 - 20.81 3.41 + 2.30 = 3.71

14 20 ~~th~~ 20.30

16 00 - 19.82 0.48

16 20 Ex 20.41

18 00 - 23.40 2.99 + 0.73 = 3.72

18 20 ~~th~~ 22.28

Mean 3.715

air Temp 19.8 C

8 20 00 - 22.30 0.98

Mean 19.35

Hygro 36.0° W.B. 49.7 F & B 61.8 F at 8 24

Sky Clear & Clear Obs B air Temp 22.7 C

22 20 ~~th~~ 27.45

24 00 - 27.38 0.07

24 20 Ex 28.00

26 00 - 31.11 2.11 + 0.44 = 3.55

26 20 ~~th~~ 31.02

28 00 - 30.22 0.80

28 20 Ex 30.72

30 00 - 33.21 2.49 + 1.10 = 3.59

30 20 ~~th~~ 33.00

Mean 3.57

air Temp 21.5 C

2 32 00 - 31.60 1.40

Mean 22.6

Hygro 35.0° W.B. 47.5 F & B 66.9 F at 11 56

Saturday August 11 '97

Sky clear & clear Obs B air Temp 15.0 C

23 20th 16.40

25 00 16.53 1.13

25 20th Ex 17.30

27 00 20.79 3.49 + 0.30 = 3.79

27 20th 20.77

27 00 20.50 3.47

29 20th Ex 20.91

31 00 24.01 3.10 + 0.70 = 3.80

31 20th 22.89

Mean 3.795

air Temp 14.6 C

23 00 22.97 0.92

Mean 10.3

Hygro 36.5° WB 48.07 & B 65.77 at 2.27

Sky clear & clear Obs B

air Temp 24.5 C

13 20th 27.57

15 00 27.50 0.07

15 20th 28.18

17 00 31.39 3.21 + 0.42 = 3.63

17 20th 31.27

19 00 30.50 0.77

19 20th Ex 31.04

21 00 34.62 2.58 + 1.04 = 3.62

21 20th 33.41

Mean 3.625

air Temp 22.0 C

23 00 32.11 1.38

Mean 23.25

Hygro 34.6° WB 47.97 & B 67.67 at 3.27

Monday August 13 1917

Sky Clear S. Clear Obs B air Temp 15.8 C

8 23 20 the 15.22

25 00 — 15.34 0.12

25 20 Ex 16.11

27 00 — ¹⁹20.80 3.67 + 0.32 = 4.01

27 20 the 19.78

29 00 — 19.20 0.53

29 20 Ex 19.90

31 00 — 23.03 3.13 + ^{0.81}0.80 = 3.94

31 20 the 22.90

Mean 3.975

air Temp 17.0 C

Mean 16.4

Hygro 35.5° WB 45.6 F DB 61.5 F at 8 37

Sky Clear S. Clear Obs B air Temp 17.3 C

3 08 20 the 24.27

10 00 — 24.16 0.11

10 20 Ex 24.88

12 00 — 28.11 3.22 + 0.49 = 3.71

12 20 the 28.00

14 00 — 27.13 0.87

14 20 Ex 27.71

16 00 — 30.32 2.62 + 1.09 = 3.71

16 20 the 29.10

Mean 3.71

air Temp 18.1 C

Mean 18.7

Hygro 37.5° WB 43.1 F DB 60.4 F at 3 22

Sunday August 14 1917

Sky clear & clear Obs B air Temp 15.2 C

8	26	20	th	14.50				
	28	00	—	14.68	0.18			
	28	20	Ex	15.50				
	20	00	—	19.22	3.72	+	0.33	= 4.05
	30	20	th	19.15				
	32	00	—	18.67	0.48			
	32	20	Ex	19.30				
	34	00	—	22.52	3.22	+	0.79	= 4.01
	34	20	th	22.40			Mean	4.03
								air Temp 14.8 C
8	36	00	—	21.30	1.108			Mean 15.0

Hygro 37.5 NB 46.57 LB 57.17 at 8 40

Sky clear & clear Obs B air Temp 17.8 C

3	16	20	th	25.89				
	18	00	—	25.74	0.15			
	18	20	Ex	26.41				
	20	00	—	29.67	3.28	+	0.53	= 3.81
	20	20	th	29.54				
	22	00	—	28.63	0.91			
	22	20	Ex	29.18				
	24	00	—	31.80	2.62	+	1.19	= 3.81
	24	20	th	31.58			Mean	3.81
								air Temp 17.9 C
3	26	00	—	30.11	1.47			Mean 17.55

Hygro 36.2 NB 45.87 LB 62.57 at 3 30

92

Thursday August 16 1917

Sky Clear & Clear Ob B air Temp 14.0 C

8 17 20th 13.17

8 19 00 - 14.26 0.19

19 20 Ex 14.05

21 00 - 17.88 3.83 + 0.30 = 4.13

21 20th 17.81

23 00 - 17.30 0.57

25 20 Ex 17.98

25 00 - 21.24 3.26 + 0.80 = 4.06

25 20th 21.10

Mean 4.095

air Temp 15.2 C

Mean 14.6

8 27 00 - 20.00 1.10

Hygro 29.0° WB 41.6 F SB 55.9 F at 8 31

Sky Clear

& Clear

Ob B

air Temp 20.4 C

3 21 20th 25.34

23 00 - 25.33 0.11

25 20 Ex 25.92

25 00 - 29.14 3.22 + 0.50 = 3.72

25 20th 29.02

27 00 - 28.14 0.88

27 20 Ex 28.67

29 00 - 31.23 2.54 + 1.16 = 3.70

29 20th 31.00

Mean 3.71

air Temp 18.4 C

Mean 17.4

3 31 00 - 29.55 1.45

Hygro 33.5° WB 42.3 F SB 66.3 F at 3 35

Monday August 20 1917

Key Char 0 Char 062 B

air Temp 19.0 C

8 15 20 Sh 17.00

8 17 00 — 17.19 0.19

17 20 Ex 17.96

19 00 — 21.57 3.61 + 0.30 = 3.91

19 20 Sh 21.50

21 00 — 21.07 0.41

21 20 Ex 21.76

23 00 — 24.85 3.09 + 0.80 = 3.89

23 20 Sh 24.61

Mean 2.70

air Temp 18.6 C

Mean 18.8

8 25 00 — 23.53 1.08

Hygro 35.4° WB 46.0 F DB 64.0 F at 8 29

94

Tuesday Aug 21 1917

Thy. Calhoun P. Helian J

Obs B air Temp. 17.3 C

8 16 20 Th 17.54

18 00 - 17.70 0.16

18 20 Ex 18.43

20 00 - 22.05 3.62 + 0.33 = 3.95

20 20 Th 22.00

22 00 - 21.50 0.50

22 20 Ex 22.10

24 00 - 26.28 3.18 + 0.74 = 3.92

24 20 Th 25.07

Mean 3.935

air Temp 17.3 C

8 26 00 - 24.08 2.99

Mean 19.3

Hygro 27.9 ° WB 46.1 F DB 62.9 F at 8 30

Friday August 24/1917

Sky 11% li. B. 0.65 Obs B air Temp 17.7 C

8 24 20 H 16.00

26 00 — 16.17 0.17

26 20 Ex 16.90

28 00 — 20.45 3.55 + 0.27 = 3.84

28 20 H 20.41

30 00 — 20.00 0.41

30 20 Ex 20.60

32 00 — 23.72 3.12 + 0.68 = 3.80

32 20 H 23.61

Mean 3.82

air Temp 18.7 C

8 34 00 — 22.66 0.95

Mean 3.82

Hypo 43.9° MB 46.1 7 L B 59.8 7 at 8 38.

96

Saturday August 25 1917
 Sky Clear & Clear Obs B air Temp 16.1 C

8 07 20th 15.00

09 00 — 15.19 0.19

09 20th 15.88

11 00 — 19.35 3.47 + 0.25 = 3.72

11 20th 19.31

13 00 — 19.00 3.31

13 20th 19.60

15 00 — 22.58 2.98 + 0.64 = 3.62

15 20th 22.45 Mean 3.67

air Temp 18.0 C

8 17 00 — 21.49 0.96

Mean 17.05

Hygro 48.5° WB 45.8 F DB 59.8 F at 8 21

Sky Clear 15 Clear Obs B air Temp 21.7 C

8 05 20th 26.09

07 00 — 26.00 0.09

07 20th 26.64

09 00 — 29.73 3.09 + 0.43 = 3.52

09 20th 29.62

11 00 — 28.85 0.77

11 20th 29.46

13 00 — 31.89 2.53 + 1.00 = 3.53

13 20th 31.65 Mean 3.55

air Temp 21.8 C

8 15 00 — 30.42 1.23

Mean 21.25

Hygro 39.9° WB 48.9 F DB 66.1 F at 3 19

Monday August 27 1917

Key Chan 2 Chan Obs 13 air Temp 17.0 C

8 18 20th 15.50

20 00 — 15.70 0.20

20 20 Ex 16.39

22 00 — 19.91 3.52 + 0.30 = 3.82

22 20th 19.91

24 00 — 19.49 0.41

24 20 Ex 20.03

26 00 — 22.12 3.09 + 0.66 = 3.75

26 20th 22.99

Mean 3.785 air Temp 16.4 C

8 28 00 — 22.08 0.91

Mean 16.7

Hygro 41.5 W B 43.0 F & B 58.2 F at 8 52

Key Chan 2 Chan Obs 13 air Temp 24.0 C

3 15 20th 27.83

17 00 — 27.79 0.04

17 20 Ex 28.38

19 00 — 31.55 3.17 + 0.41 = 3.58

19 20th 31.48

21 00 — 30.70 0.78

21 20 Ex 31.21

23 00 — 33.75 2.54 + 1.04 = 3.58

23 20th 32.52

Mean 3.58

air Temp 21.4 C

3 25 00 — 32.22 1.50

Mean 22.7

Hygro 36.4 W B 48.1 F & B 66.2 F at 3 29

98

Tuesday August 28 1917

Sky 8.11 likes 0.84 Obs R air Temp 18.1 C

8 19 20 the 16.50

21 20 - 16.70 0.20

21 20 Ex 17.41

23 00 - 20.86 3.45 + 0.30 = 3.75

23 20 the 20.82

25 00 - 20.41 0.41

25 20 Ex 21.00

27 00 - 24.04 3.04 + 0.66 = 3.70

27 20 the 23.90

Mean 3.725

air Temp 19.1 C

27 00 - 23.00 0.90

Mean 18.6

Hygro 40.5° WB 45.1 F DB 60.7 F at 8 23

Sky likes 3.1 0.84 Obs R air Temp 21.1 C

3 20 20 the 26.10

22 00 - 26.00 0.10

22 20 Ex 26.67

24 00 - 27.71 3.04 + 0.46 = 3.50

24 20 the 27.60

26 00 - 28.79 0.81

26 20 Ex 27.30

28 00 - 31.74 2.44 + 1.06 = 3.50

28 20 the 31.51

Mean 3.50

air Temp 20.0 C

3 30 00 - 20.20 1.31

Mean 20.55

Hygro 38.5° WB 47.1 F DB 64.1 F at 3 34

Friday August 31 1917

Sky Clear to Clear Obs B air Temp 17.9°C

8	12	20	th	16.02					
	14	00	—	16.20	0.18				
	14	20	Ex	16.97					
	16	00	—	20.55	3.58	+	0.20	=	3.88
	16	20	th	20.52					
	18	00	—	20.10	0.42				
	18	20	Ex	20.70					
	20	00	—	23.84	3.14	+	0.69	=	3.83
	20	20	th	23.73					
									Mean 3.855 air Temp 17.0°C
8	22	00	—	22.77	0.96				Mean 18.45

Hygro 37.8° WB 47.7 F L B 62.0 F at 8 26

Sky Clear Sun Clear Obs B air Temp 23.2°C

3	07	20	th	26.53					
	07	00	—	26.52	0.01				
	07	20	Ex	27.21					
	11	00	—	29.52	3.31	+	0.36	=	3.67
	11	20	th	29.40					
	13	00	—	27.68	0.72				
	13	20	Ex	30.20					
	15	00	—	32.90	2.70	+	0.98	=	3.68
	15	20	th	32.70					
									Mean 3.675 air Temp 22.0°C
3	17	00	—	31.45	1.25				Mean 22.9

Hygro 37.5° WB 47.1 F L B 64.8 F at 3 21

100

First Page for Sept 460

Saturday September 1 1917

Sky Clear Sun Clear Obs 13 air Temp 18.0 C

8 25 20 th 16.40

27 00 — 16.51 0.11

27 20 Ex 17.30

27 00 — 21.03 3.93 + 0.30 = 4.03

27 20 th 20.99

31 00 — 20.50 0.49

31 20 Ex 21.11

33 00 — 24.40 3.29 + 0.74 = 4.03

33 20 th 24.21

Mean 4.03

air Temp 17.0 C

Mean 17.5

8 35 00 — 22.22 0.99

Hygro 40.0 W.B. 45.0 F D.P. 61.1 F at 8 39

Sky Clear Sun Clear Obs 13 air Temp 22.0 C

3 05 20 th 28.13

07 00 — 28.00 0.13

07 20 Ex 28.70

07 00 — 32.10 3.40 + 0.51 = 3.91

07 20 th 31.78

11 00 — 31.69 0.89

11 20 Ex 31.65

13 00 — 34.33 2.68 + 1.16 = 3.84

13 20 th 34.10

Mean 3.875

air Temp 22.3 C

Mean 22.65

3 15 00 — 32.66 1.44

Hygro 34.0 W.B. 48.3 F D.P. 68.0 F at 3 19

Monday September 3 1917

Sky clear to clear Obs B air Temp 15.0 C

8 00 20 th 14.11
 02 00 — 14.25 0.14
 02 20 Ex 15.02
 04 00 — 18.80 3.78 + 0.34 = 4.12
 04 20 th 18.78
 06 00 — 18.23 0.55
 06 20 Ex 18.88
 08 00 — 22.10 3.22 + 0.83 = 4.05
 08 20 th 21.91 Mean 4.085 air Temp 16.4 C

8 11 00 — 20.80 1.11
 Hygro 29.7° WB 42.0 F at 5.0 at at 8 14.

Sky clear to clear Obs B air Temp 24.0 C

5 06 20 th 27.40
 08 00 — 27.53
 08 20 Ex

Sky clear to clear Obs B air Temp 22.0 C

3 07 20 th 28.70
 11 00 — 28.35 0.652
 11 20 Ex 28.98
 13 00 — 31.93 2.95 + 0.67 = 3.62
 13 20 th 31.80
 15 00 — 30.81 0.99
 15 20 Ex 31.32
 17 00 — 32.79 2.44 + 1.19 = 3.66
 17 20 th 33.51 Mean 3.64 air Temp 22.02
 19 00 — 32.12 1.59

Hygro 28.0° WB 46.4 F DB 67.8 F at 3 24

June Sept 4 1917
 Sky Clear 2 P Obs B air Temp 18.0°C

8 05 20th 15.31
 07 00 — 15.47 0.18
 07 20 Ex 16.20
 09 00 — 19.74 3.54 + 0.20 = 3.74
 09 20 Th 19.70
 11 00 — 19.29 0.41
 11 20 Ex 17.90
 13 00 — 22.01 3.11 + 0.66 = 3.77

13 20th 22.87 Mean 3.805 air Temp 18.6°C

8 15 00 — 21.97 0.92

Hygro 28.8 MB 42.9 F DB 65.2 F at 8 19

Mean 18.3

Sky Clear 5 P Obs B air Temp 22.0°C

3 09 20th 21.70
 11 00 — 21.25 0.25
 11 20 Ex 21.95
 13 00 — 21.93 2.95 + 0.67 = 3.62
 13 20th 21.80
 15 00 — 20.81 0.99
 15 20 Ex 21.52
 17 00 — 23.79 2.47 + 1.19 = 3.66

17 20th 23.51 Mean 3.64 air Temp 22.0°C

3 19 00 — 22.12 1.39

Mean 22.0°C

Hygro 28.0 MB 46.4 F DB 67.5 F at 3 24

Thurs Sept 6 1917

Sky clear clear Obs B air Temp 19.0 C

8 22 20 th 18.00

24 00 — 18.10 0.10

24 20 Ex 18.89

26 00 — 22.50 3.61 + 2.29 = 3.90

26 20 th 22.43

28 00 — 21.95 0.48

28 20 Ex 22.48

30 00 — 25.70 3.12 + 0.76 = 3.88

30 20 th 25.54

Mean 3.89 air Temp 18.0 C

8 22 00 24.50 1.04

Mean 18.5

Hygro 36.9 MB 44.5 F DB 61.3 Fat 8.27

Sky clear clear Obs B air Temp 21.8 C

3 13 20 th 26.62

15 00 — 26.50 0.12

15 20 Ex 27.20

17 00 — 30.46 3.26 + 0.46 = 3.72

17 20 th 30.32

19 00 — 29.50 3.82

19 20 Ex 30.01

21 00 — 32.66 2.65 + 1.08 = 3.73

21 20 th 32.43

Mean 3.725 air Temp 21.7 C

3 23 00 — 21.10 1.33

Mean 21.75

Hygro 36.9 MB 47.4 F DB 66.0 Fat 3.27

Wednesday, Sept 12, 1917

Key Acculeis 31 9600 P2B air Temp. 17.0 °C

7 46 20th 16.14

48 00 — 16.30 0.16

48 20 Ex 17.02

50 00 — 20.53 3.57 + 0.32 = 3.83

50 20th 20.50

52 00 — 20.03 0.47

52 20 Ex 20.65

54 00 — 22.61 2.96 + 0.77 = 2.73

54 20th 22.50

Mean 2.78 air Temp. 17.0 °C

7 56 00 — 22.43 1.07

Mean 17.0

Hygro 40.3 MB 445-7 LB 60.07 at 8 00

Monday September 17 1917

Sky clear ☉ clear P₂ B air Temp 12.1 C

7 56 20 ~~Th~~ 12.08
 58 00 — 12.22 0.14
 58 20 Ex 13.07
 8 00 00 — 17.28² 4.15 + 0.28 = 4.43
 00 20 ~~Th~~ 17.21
 02 00 — 16.80 0.41
 02 20 Ex 17.43
 04 00 — 20.90 3.50 + .85 = 4.35
 04 20 ~~Th~~ 20.80 Mean 4.39 air Temp 12.2 C
 7 06 00 — 19.51 1.29 Mean 12.15

Hgpro 18.5° MB 37.0 F DB 52.5 F at 8 10.

Sky clear Sun clear P₂ B air Temp 21.0 C

3 16 20 ~~Th~~ 23.93
 18 00 — 23.88 0.05
 18 20 Ex 24.62
 20 00 — 28.40 3.58 + 0.44 = 4.22
 20 20 ~~Th~~ 28.22
 22 00 — 27.87 0.83
 22 20 Ex 28.00
 24 00 — 31.06 3.06 + 1.16 = 4.22
 24 20 ~~Th~~ 30.80 Mean 4.22 air Temp 19.0 C
 3 26 00 — 29.52 1.48 Mean 20.0
 Hgpro 20.0° MB 42.0 F DB 61.4 F at 3 30

Friday Sept 21/1917

Sky Char & Char Obs B air Temp 13.9 C

7 42 20 the 12.50

44 00 — 12.63 0.13

44 20 Ex 12.33

46 00 — 16.69 3.36 + 0.24 = 3.60

46 20 the 16.62

48 00 — 16.30 0.32

48 20 Ex 16.85

50 00 — 17.80 2.95 + 1.60 = 3.55

50 20 the 17.67

Mean 3.575

air Temp 14.6 C

7 52 00 — 18.80 0.87

Mean 14.25

Hypo 57.3° N Byot. & R Byot at 7.58

First Page for Octo 462

107

Sunday Octo 7 1917

Sky Clear & Clear Pk B air Temp. 16.9°C

8 04 20 ~~th~~ 14.00

06 00 — 14.17 0.17

06 20 ~~Ex~~ 14.95

08 00 — 18.89 3.84 + 0.34 = 4.18

08 20 ~~th~~ 18.72

10 00 — 18.22 0.50

10 20 ~~Ex~~ 18.96

12 00 — 22.20 3.24 + 0.85 = 4.09

12 20 ~~th~~ 22.06

Mean 4.135 air Temp. 15.0°C

14 00 — 20.86 1.20

Mean 15.95

Hygro 54.0° WB 45°F & B 58.1°F at 8 18

Sky Clear Pk B Sun Clear air Temp. 24.0°C

3 12 20 ~~th~~ 26.40

14 00 — 26.38 0.02

14 20 ~~Ex~~ 27.11

16 00 — 30.62 3.51 + 0.38 = 3.89

16 20 ~~th~~ 30.50

18 00 — 29.75 0.75

18 20 ~~Ex~~ 30.33

20 00 — 33.19 2.86 + 1.03 = 3.89

20 20 ~~th~~ 32.99

Mean 3.89

air Temp. 24.0°C

3 22 00 — 31.68 1.31

Mean 24.0

Hygro 41.5° WB 49.0°F & B 67.5°F at 3 26

108

Monday Oct-8-1917

Sky clear Sun clear Alt B air Temp 19.6°C

8 10 20th 16.40

12 00 — 16.55 0.15

12 20 Ex 17.31

14 00 — 21.23 3.92 + 0.323 = 4.24

14 20th 21.20

16 00 — 20.70 0.50

16 20 Ex 21.40

18 00 — 24.84 2.44 + 0.76 = 4.20

18 20th 24.67

Mean 4.22

air Temp 21.6°C

8 20 00 — 22.68 1.01

Mean 20.6

Hygro 37.9° WB 49.0 F L B 68.07 at 8 24

Sky clear 2 Polaris Alt B air Temp 22.9°C

3 03 20th 26.38

05 00 — 26.33 0.05

05 20 Ex 27.10

07 00 — 30.71 3.61 + 0.43 = 4.04

07 20th 30.60

09 00 — 29.79 0.81

09 20 Ex 30.40

11 00 — 33.33 2.93 + 1.12 = 4.05

11 20th 33.17

Mean 4.045

air Temp 20.9°C

3 13 00 — 31.75 1.44

Mean 21.9

Hygro 43.6° WB 49.1 F L B 64.97 at 3 17

Tuesday Oct 9 1917

Key Char 0 Char Obs B air Temp. 21.9 C

8 22 00 ~~th~~ 17.81

24 00 - 18.00 0.19

24 20 Ex 18.85

26 00 - 22.91 4.03 + 0.35 = 4.38

26 20 ~~th~~ 22.90

28 00 - 22.39 0.51

28 20 Ex 22.10

30 00 - 26.62 3.52 + 0.78 = 4.30

30 20 ~~th~~ 26.49

Mean 4.34 air Temp. 25.0 C

8 32 00 - 25.43 1.06

Mean 25.45

Hygro 343 MB 4.55 F DB 66.17 at 8 36

Key Char 0 Char Obs B air Temp. 24.0 C

3 03 20 ~~th~~ 26.77

05 00 - 26.72 0.07

05 10 Ex 27.49

07 00 - 31.05 3.56 + 0.44 = 4.00

07 20 ~~th~~ 30.94

09 00 - 30.13 0.818

09 20 Ex 30.70

11 00 - 33.69 2.94 + 1.06 = 4.00

11 20 ~~th~~ 33.41

Mean 4.00

air Temp. 22.0 C

3 13 00 32.10 1.31

Mean 23.0

Hygro 35.8 MB 4.71 F DB 66.37 at 3 17

110

Thursday Oct. 11, 1917

Sky clear & clear Obs B air Temp 17.1 C

8 17 20 ~~th~~ 15.80

19 00 — 15.90 0.10

19 20 ~~Ex~~ 16.71

21 00 — 20.73 4.02 + 0.34 = 4.36

21 20 ~~th~~ 20.68

23 00 — 20.10 0.58

23 20 ~~Ex~~ 20.77

25 00 — 24.20 3.51 + 0.86 = 4.37

25 20 ~~th~~ 24.15

Mean 4.365 air Temp 17.5 C

27 00 — 23.02 1.23

Mean 17.3

Hygro 38.6° WB 41.4 F DB 58.5 F at 8 31

Sky clear & clear Obs B air Temp 22.3 C

3 07 20 ~~th~~ 24.75

07 00 — 24.73 0.05

07 20 ~~Ex~~ 25.50

11 00 — 29.14 3.64 + 0.42 = 4.06

11 20 ~~th~~ 29.05

13 00 — 28.25 0.80

13 20 ~~Ex~~ 28.85

15 00 — 31.86 3.01 + 1.06 = 4.07

15 20 ~~th~~ 31.62

Mean 4.065 air Temp 19.8 C

17 00 — 30.20 1.22

Mean 21.05

Hygro 34.1° WB 45.0 F DB 63.2 F at 3 21

Tuesday Octo 23 1917

Sky clear 37° clear 062 B air Temp 18.8°C

7 48 20th 15.33

50 00 — 15.52 0.19

50 20 Ex 16.32

52 00 — 20.14 3.82 + 0.30 = 4.12

52 20 20.12

54 00 — 19.70 0.42

54 20 Ex 20.34

56 00 — 23.81 3.47 + 0.65 = 4.12

56 20 20.68

Mean 4.12

air Temp 18.1°C

7 58 00 — 22.80 0.88

Mean 18.45

Hygro 31.5° WB 45.97 DB 65.27 at 8 02

Tuesday Oct 30 1917
 Sky clear & P. clear Obs B air Temp 17.9°C

8 01 20 the 18.40

03 00 - 18.57 0.11

03 20 Ex 19.30

05 00 - 23.18 3.88 + 0.31 = 4.19

05 20 the 22.10

07 00 - 22.59 0.51

07 20 Ex 22.25

09 00 - 26.62 3.37 + 0.80 = 4.17

09 20 the 26.48 Max 41.8 air Temp 20.3°C

8 11 00 - 25.40 1.08

Max 20.1

Hygro 37.0° W B 47.0 F & B 65.0 F at 8 15

Just Page for Nov - 463

113

Sunday Nov 18 1917

Key Haukiki 2 P Obs B air Temp 18.00

7 37 20 ~~17.22~~

37 00 ~~17.32~~ 0.10

37 20 ~~18.00~~

41 00 ~~21.44~~ 2.44 + 0.30 = 2.74

41 20 ~~21.40~~

43 00 ~~20.71~~ 0.49

43 20 ~~21.53~~

45 00 ~~24.57~~ 2.99 - 0.73 = 3.72

45 20 ~~24.41~~ Mean 3.73

air Temp 17.50

7 47 00 ~~22.44~~ 0.77

Mean 17.65

Aggro 58.9° N B 51.37 D B 60.97 at 7 51

114

Just Page for No 463
Dec

Sunday December 2 '17

Hydro 1 Port Star Chair Obs B air Temp. 16°C

7 32 20 the 14.74

25 00 - 14.90 0.16

35 20 Ex 15.70

37 00 - 19.51 3.81 + 0.28 = 4.09

27 20 the 19.50

39 00 - 19.09 3.41

29 20 Ex 19.72

41 00 - 23.05 3.33 + 0.76 = 4.09

41 20 the 22.90 Max 4.09

air Temp. 17.0°C

7 43 00 - 21.89 1.01

Max 16.9

Hydro 320° WB 45.0 F SB 60.7 F at 7 47

Just Page for Dec 463

115

Monday December 3 1917

Sky clear 2 Part clear Over B air Temp 15.5°C

7 38 20 H 13.90

40 00 — 14.09 0.19

40 20 Ex 14.88

42 00 — 14.85 3.97 + 0.34 = 4.31

42 20 H 14.80

44 00 — 14.31 0.49

44 20 Ex 19.00

46 00 — 22.40 3.40 + 0.84 = 4.24

46 20 H 22.21

Mean 4.275

air Temp 15.3°C

7 48 00 — 21.02 1.19

Mean 15.4

Hygro 42.5% W B 46.0 F & B 60.3 F at 7.52

Sky clear 2 Part clear Over B air Temp 21.0°C

3 34 20 H 24.78

36 00 — 24.68 0.10

36 20 Ex 25.40

38 00 — 28.70 2.30 + 0.46 = 3.76

38 20 H 28.57

40 00 — 27.78 0.81

40 20 Ex 28.22

42 00 — 30.94 2.72 + 1.04 = 3.76

42 20 H 30.71

Mean 3.76

air Temp 19.2°C

3 44 00 — 29.45 1.26

Mean 20.1

Hygro 45.4% W B 49.5 F & B 61.9 F at 3 48

116

Thursday Dec 12 1917

Sky Clear ☉ Clear Obz B air Temp 15.0 C

7 33 20 ~~th~~ 13.00

35 00 — 13.98 0.18

35 20 ~~Ex~~ 14.69

37 00 — 18.54 3.85 + 0.31 = 4.16

37 20 ~~th~~ 18.52

39 00 — 18.08 0.44

39 20 ~~Ex~~ 18.75 +

41 00 — 22.12 3.37 + 0.76 = 4.13

41 20 ~~th~~ 21.99

Mean 4.145

air Temp 15.0 C

7 43 00 — 20.71 1.09

Mean 15.0

Hygro 90.0 MB 45.0 T DB 58.3 F at 7 47

Sky Hazy 2P ☉ Clear Obz B air Temp 24.0 C

3 24 20 ~~th~~ 26.23

26 00 — 26.20 0.03

26 20 ~~Ex~~ 26.90

28 00 — 30.23 3.33 + 0.38 = 3.71

28 20 ~~th~~ 30.11

30 00 — 29.37 0.74

30 20 ~~Ex~~ 29.90

32 00 — 32.60 2.90 + 1.03 = 3.73

32 20 ~~th~~ 32.41

Mean 3.72

air Temp 21.9 C

3 34 00 — 31.09 1.32

Mean 22.95

Hygro 43.9 MB 52.2 T DB 65.2 F at 3 48

Friday December 14 1917

Dry Clear to Clear Pt B air Temp. 14.9 C

7 36 20 ~~th~~ 14.00

38 00 — 14.10 0.10

38 20 ~~Ex~~ 14.20

40 00 — 18.67 3.77 + 0.26 = 4.03

40 20 ~~th~~ 18.6142 00 — 18.18 0.43
~~0.57~~42 20 ~~Ex~~ 18.81

44 00 — 22.11 3.30 + 0.92 = 4.22

44 20 ~~th~~ 22.00

Moon 4.025

air Temp. 15.0 C

7 46 00 — 21.00 1.00

Moon 14.95

Hypo 42.7 MB 45.8 F & B 59.0 F at 7 50

118

Sun Dec 16 1917

Hyg Char Sun Char Obs B air Temp 16.8 C

7 42 20 ~~th~~ 14.80

44 00 — 14.83 0.03

44 20 ~~th~~ 15.68

46 00 — 17.12 3.44 + 0.21 = 3.65

46 20 ~~th~~ 19.10

48 00 — 18.70 0.40

48 20 ~~th~~ 19.20

50 00 — 22.33 3.13

52 20 ~~th~~ 22.20

7 52 00 —

Mean

air Temp e

Mean

Hygro

WB

7 WB

7 at

Sun Dec 16 1917
~~Sun~~ Sky Clear @ Clear Obs B air Temp -16.2

7 52 20 ~~St~~ 21.32

54 00 — 20.80 0.52

54 20 ~~Ex~~ 21.40

56 00 — 24.30 2.90 + 0.73 = 3.63

56 20 ~~St~~ 24.10

58 00 — 23.21 1.94

58 20 ~~Ex~~ 23.76

8 20 00 — 26.40 2.64 + 1.01 = 2.65

00 20 ~~St~~ 26.19

Mean 2.64

air Temp -16.92

8 02 00 — 25.11 1.08

Mean 16.55

Hoggw 53.2° NB 50.17 DB 61.07 at 8.16

208
72
131
2890

$$\begin{array}{r}
 421 \\
 323 \\
 \hline
 98 \\
 2 \\
 \hline
 176 \\
 44 \\
 \hline
 132 \\
 23.17 \\
 \hline
 39
 \end{array}
 \begin{array}{r}
 23 \\
 27 \\
 2327 \\
 122 \\
 74 \\
 2166 \\
 53 \\
 31 \\
 \hline
 216
 \end{array}$$

$$\begin{array}{r}
 226 \\
 10
 \end{array}$$

$$\begin{array}{r}
 411 \\
 327 \\
 \hline
 0.84 \\
 2 \\
 \hline
 1.68 \\
 49 \\
 \hline
 43.71 \\
 119 \\
 \hline
 21.92
 \end{array}$$

$$\begin{array}{r}
 28 \\
 158 \\
 \hline
 108 \\
 2454
 \end{array}
 \begin{array}{r}
 837 \\
 9185 \\
 \hline
 296 \\
 148
 \end{array}$$

$$\begin{array}{r}
 154 \\
 18 \\
 \hline
 1232 \\
 154 \\
 \hline
 2772 \\
 52 \\
 \hline
 5902
 \end{array}$$

$$\begin{array}{r}
 156 \\
 42 \\
 \hline
 114 \\
 2210 \\
 114 \\
 \hline
 2096
 \end{array}$$

$$\begin{array}{r}
 107 \\
 2 \\
 \hline
 216 \\
 100 \\
 \hline
 112 \\
 2186
 \end{array}$$

$$\begin{array}{r}
 108 \\
 2454 \\
 \hline
 338 \\
 245 \\
 \hline
 83 \\
 166 \\
 97 \\
 \hline
 3209 \\
 92 \\
 \hline
 3112
 \end{array}
 \begin{array}{r}
 383 \\
 235 \\
 \hline
 148 \\
 2 \\
 \hline
 296 \\
 133 \\
 \hline
 163 \\
 3114 \\
 \hline
 2099 \\
 100
 \end{array}$$

$$\begin{array}{r}
 83 \\
 166 \\
 49 \\
 \hline
 117 \\
 2172
 \end{array}$$

$$\begin{array}{r}
 107 \\
 2 \\
 \hline
 218 \\
 80 \\
 \hline
 138 \\
 5024 \\
 134 \\
 \hline
 2886
 \end{array}$$

$$\begin{array}{r}
 375 \\
 297 \\
 78 \\
 2 \\
 \hline
 314 \\
 156169 \\
 177 \\
 \hline
 1063645 \\
 177 \\
 \hline
 2868
 \end{array}$$

$$\begin{array}{r}
 107 \\
 218 \\
 92 \\
 \hline
 140
 \end{array}$$

$$\begin{array}{r}
 391 \\
 1955
 \end{array}$$

$$\begin{array}{r}
 293 \\
 28946
 \end{array}$$

$$\begin{array}{r}
 152 \\
 2 \\
 \hline
 284
 \end{array}$$

$$\begin{array}{r}
 284 \\
 152 \\
 \hline
 152 \\
 2040 \\
 319 \\
 \hline
 2888
 \end{array}$$

