

Exandleigh Station.

METEOROLOGICAL OBSERVING BOOK

For the Year 1887.

Corrections.

max	+	1.0
min	+	.6
wet	+	.3
Bar	-	.004 in.

1887	January	1	2	3	4	5	6	7	8	9
Date ...	...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.		Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer ...		65	67	66	63	63	62	62	62	62
Barometer ...		30.6	54.8	55.0	55.6	55.2	60.8	58.6	54.0	43.8
Dry Bulb ...		67.2	70.6	66.2	64.5	66	63.3	64	62.5	63.8
Wet Bulb ...		61	62	62.3	60.7	60	58.9	57.7	57	55.7
Maximum ...		85	82	86.9	75	80.2	80.2	77	77.1	80.8
Minimum ...		54.4	51.9	54.9	51.8	50.5	51.1	52.2	50.6	50
Rain Measure ...		0	0	70	11	0	0	11	3-	0
Evaporation... { Weight...										
{ Amount										
Direction of Wind ...		E	E	E	E	E	E	E	E	E
Velocity ...										
Force ...		2	0	0	2	1	2	2	1	1
Cloud ...		3	0	8	5	0	6	1	5	2
Remarks...		Fine. Thunder in aft.	Fine Thunder in aft. Tetrum with rain 9 p.m.	Cloudy Thunder in aft. with light rain.	Fine	do	Cloudy shower in aft.	Fine shower at night	Fine	do

1887	Date	January	19	20	21	22	23	24	25	26	27
	Time	...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
	INSTRUMENT.		Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	...	...	68	66	67	69	69	71	70	72	65
Barometer	...	...	508	528	494	432	440	388	400	410	376
Dry Bulb	...	...	65.9	65	67.7	69.4	67.5	72.3	70.7	70.3	65.8
Wet Bulb	...	...	62	63	67	66	67	68	65.1	68.7	61
Maximum	...	...	91.7	75	73.1	79	76.8	79	79	83.9	81.4
Minimum	...	...	60.4	59.6	60.5	63.8	64	64.6	60.7	65.9	56.8
Rain Measure	...	...	54	9	109	41	27+	15	22	74	34
Evaporation...	{	Weight...									
	{	Amount									
Direction of Wind	...	...	NW	E	E	NE	NW	W	NW	E	E
Velocity	...	...									
Force	...	...	0	1	1	2	0	1	1	0	1
Cloud	...	...	8	10	10	10	10	7	7	10	9
Remarks	...	...	Cloudy light rain in aft.	Raining	do	Cloudy light rain at night	Cloudy forenoon showery Thunder in aft.	Showery all day	Cloudy Thunder at sunset	Cloudy heavy showers in aft.	Fine

1887 *January*

Date

Time

INSTRUMENT.

Attached Thermometer

Barometer

Dry Bulb

Wet Bulb

Maximum

Minimum

Rain Measure

Evaporation... { Weight...
Amount ...

Direction of Wind

Velocity

Force

Cloud

Remarks...

*January.**Days rain 16**lightning 9**Mean diurnal range 25.6 cor.**Greatest do 35.6 cor**Greatest range 42.9 cor**Mean temp. 69.8 cor.**max 82.6 cor**min. 57.0 cor**dry 68.4**wet 63.3 cor**cloud 4.8**Humidity 72**Inches of rain 5.04**Thunder 69.8 cor in aft.**Fine 68.4**Tetorms in aft. 63.3 cor**Winds W 3**NW 7**NE 1**E 20.**Fine do**Thunder in aft.**Fine**Cloudy steady rain at 3 p.m.**Fine Thunder about**Fine Thunder in aft.**February*

31

9 a.m.

Reading.

67

430

68.2

63

83.7

55.6

18

W

1

1

1

1

1

1

Fine

do

Thunder in aft.

Winds W 3

NW 7

NE 1

E 20.

Fine

do

Thunder in aft.

1

9 a.m.

Reading.

69

438

70.8

65.5

83.3

58.8

0

E

1

1

1

1

1

1

do

Thunder in aft.

Winds W 3

NW 7

NE 1

E 20.

Fine

do

Thunder in aft.

2

9 a.m.

Reading.

69

418

69.2

62.1

86.5

56.9

0

NW

1

1

1

1

1

2

Fine

do

Thunder in aft.

Winds W 3

NW 7

NE 1

E 20.

Fine

do

Thunder in aft.

3

9 a.m.

Reading.

68

380

68.4

65.7

84

62.2

4

E

1

1

1

1

1

10

Cloudy

steady rain at 3 p.m.

Winds W 3

NW 7

NE 1

E 20.

Fine

do

Thunder in aft.

4

9 a.m.

Reading.

64

256

63.8

60.6

72.5

58

103

NW

1

1

1

1

1

8

Fine

do

Thunder in aft.

Winds W 3

NW 7

NE 1

E 20.

Fine

do

Thunder in aft.

5

9 a.m.

Reading.

66

402

66.3

63

78.2

55.8

0

E

1

1

1

1

1

7

Fine

do

Thunder in aft.

Winds W 3

NW 7

NE 1

E 20.

Fine

do

Thunder in aft.

St. 3109

1887. February

St. 3109

Date ...	6	7	8	9	10	11	12	13	14
Time ...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer ...	64	60	58	59	60	58	57	62	64
Barometer ...	534	640	634	660	684	640	432	25.908	26.00
Dry Bulb ...	64.2	58	56.5	59	58.5	57	55.8	65.5	66.5
Wet Bulb ...	60.7	56.4	55	57.5	57	55	53.5	65	59.5
Maximum ...	78	74	78.5	70.5	78.8	72.1	69.9	67	73.2
Minimum ...	56.8	51.1	49.8	52.6	50.5	51.3	50.7	51	49.8
Rain Measure ...	0	0	0	12	0	5	3	100	67
Evaporation... { Weight...									
{ Amount									
Direction of Wind ...	E	E	E	E	E	E	E	E	NW
Velocity ...									
Force ...	1	1	1	1	2	1	2	3	1
Cloud ...	9	10	10	10	10	10	10	10	1
Remarks ...	Fine	Cloudy	Cloudy drizzling showers	Fine	Cloudy.	Cloudy.	Raining all day and all night	do wind NW at 11 a.m.	Fine

1887. Date <i>Feb 2</i> ...	15	16	17	18	19	20	21	22	23
Time ...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer ...	63	67	65	61	59	62	61	59	61
Barometer ...	44.6	38.0	19.4	17.8	38.4	65.6	75.2	70.0	59.2
Dry Bulb ...	63.3	66.6	63	60.7	58	64.1	62.2	61.9	63.4
Wet Bulb ...	59	64	60.9	56	54.5	57.1	57.2	55.8	59.4
Maximum ...	79.1	81	74	67.4	70.2	73.1	72.5	71	73
Minimum ...	50.5	60	59.1	54	47.8	49.1	53.7	49	49.5
Rain Measure ...	0	12	37	54	0	0	4	0	0
Evaporation... { Weight... { Amount ...									
Direction of Wind ...	E	E	NW	W	W	E	E	E	E
Velocity ...									
Force ...	1	1	1	2	1	2	3	3	1
Cloud ...	5	10	10	5	4	6	2	2	3
Remarks ...	Fine Cloudy at lunest rain at night	Cloudy showery	Raining Thunder in aft.	Fine	do	do	do	do	do

1887 Date *Feb.*

Time

INSTRUMENT.

24

25

26

27

28

March

1

2

3

4

St. 3109

9 a.m.

9 a.m.

9 a.m.

9 a.m.

9 a.m.

9 a.m.

9 a.m.

9 a.m.

9 a.m.

Reading.

Reading.

Reading.

Reading.

Reading.

Reading.

Reading.

Reading.

Reading.

Attached Thermometer

Barometer

Dry Bulb

Wet Bulb

Maximum

Minimum

Rain Measure

Evaporation... { Weight...
Amount ...

Direction of Wind

Velocity

Force

Cloud

66

64

66

67

69

66

67

63

62

59.4

65.0

62.0

48.2

45.0

42.2

51.0

58.0

66.6

69.2

64

66

70.8

70.9

63

66.8

64.2

64

65

60.9

62

65

67

61.5

65

60

58.4

76.8

78

75

76.8

82.7

84

78.2

76

74

59

58.4

56

59

59.1

58.4

60.4

51.1

52.1

0

2

0

0

19

15.6

0

0

0

E

E

E

NW

NW

W

E

E

E

2

2

1

0

1

0

1

1

3

7

9

4

3

6

9

8

0

3

Fine

do

do

do

Fine

Cloudy

Cloudy

Free

do

max. 76.6

min. 54.9

dry 63.7

wet 60.3

cloud 6.6

Humidity 80

Inches of rain 4.22

Winds W 2

NW 6

February.

Remarks

Days rain 13
lightning 5
Mean diurnal range 21.7
quietest do 21.7
greatest range 39.1
Mean temp. 65.7

Winds
Inches of rain 9.26
since 1st Jan

Winds W 2
NW 6
E 20

1887 <i>March</i>		5	6	7	8	9	10	11	12	13
Date	Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.		Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer		61	62	63	63	67	69	68	65	68
Barometer		64.0	65.8	65.0	60.0	63.8	63.8	59.8	54.0	52.8
Dry Bulb		63.7	66	66	65.4	68.1	69.7	68	67.4	68
Wet Bulb		58	60.4	60.7	60	62.1	64.8	64	59.2	64.2
Maximum		72	74.1	78.7	79	78.8	82	83.7	82.5	81
Minimum		50.3	53.6	49.1	48.2	57.5	55	57.7	50.1	59.4
Rain Measure		0	0	0	0	0	0	0	0	0
Evaporation... { Weight... ..										
{ Amount										
Direction of Wind		E	E	E	E	NE	W	W	W	E
Velocity										
Force		2	1	0	0	0	1	0	0	2
Cloud		0	1	1	1	2	2	9	0	5
Remarks		Fine	do	do	do much cloud	do	do	do	do	Cloudy like rain

1887 March

Date	14	15	16
Time	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.
Attached Thermometer	68	68	65
Barometer	59.6	61.0	59.6
Dry Bulb	69.5	69	64
Wet Bulb	65.8	65.3	63
Maximum	77.2	80.9	74
Minimum	61.9	61	59
Rain Measure	5	0	18
Evaporation... { Weight... ..			
{ Amount			
Direction of Wind	E	E	E
Velocity			
Force	1	1	2
Cloud	3	8	10
Remarks	Cloudy	do light rain in aft. Thunder at midday	Cloudy & misty

St. 3109

17	18	19	20	21	22
9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
59	60	65	67	67	69
57.6	54.6	57.4	56.8	58.0	63.4
60.8	63.7	67.5	69	67	69.8
56.3	58.6	61	63	64	66.2
68.6	73.7	76.9	75.2	79.1	80.1
52.8	51	57.2	60	58.8	58.8
1	0	0	0	0	2
E	E	E	NW	NW	NW
3	1	1	2	1	1
3	1	5	8	9	5
Fine	do	Cloudy.	Fine	do	Cloudy
				Thunder at night	like rain

1887 Date <i>March</i>	23	24	25	26	27	28	29	30	31
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	67	67	64	63	64	61	60	61	64
Barometer	668	600	506	500	700	828	788	656	624
Dry Bulb	65.3	67.2	65.5	63.5	64	59.3	60.3	62.7	65.6
Wet Bulb	63.8	64.8	62	55	59.4	58	58.6	59	60.7
Maximum	81.2	75.7	77	76.2	76.6	65.8	62	74.2	74.5
Minimum	60.7	58.8	53.5	52.3	54	57.2	53.8	51.1	52.3
Rain Measure	7	4	7	0	0	9	7	1	0
Evaporation... { Weight... { Amount									
Direction of Wind	NW	W	W	W	E	E	E	E	W
Velocity									
Force	1	1	1	1	2	4	2	0	0
Cloud	10	7	3	7	9	10	8	0	1
Remarks.	11 Days rain - lightning Mean diurnal range 21.5° Greatest do 32.8° Greatest range 36.2° Mean temp. 66.7 max 77.5° min 56.0° dry 65.6° wet 61.7° cloud 4.8 Humidity 77	Cloudy Showery 56.0° 65.6° 61.7° cloud 4.8 Humidity 77	Fine	do	Cloudy with night.	Cloudy gale and drizzle	Cloudy	Fine	Fine
	March			Inches of rain 2.17	Inches of rain 11.43				
				since 11 th Jan					
				Winds W 8		NW 4	E 19		

1887. *April* Date

Time

INSTRUMENT.

1

2

3

9 a.m.

9 a.m.

9 a.m.

Reading.

Reading.

Reading.

Attached Thermometer

68

65

64

Barometer

670

66.6

60.0

Dry Bulb

69.7

65.6

64.4

Wet Bulb

64.7

63

61.2

Maximum

77.2

78.2

74.9

Minimum

59

55.3

52.2

Rain Measure

0

7

0

Evaporation... { Weight...
Amount ...

Direction of Wind

W

W

W

Velocity

Force

0

0

1

Cloud

3

9

8

Remarks

Thunder
in aft
with
light
rain

Cloudy

Fine

St. 3109

4

5

6

7

8

9

9 a.m.

9 a.m.

9 a.m.

9 a.m.

9 a.m.

9 a.m.

Reading.

Reading.

Reading.

Reading.

Reading.

Reading.

66

61

62

64

64

62

64.4

71.4

72.0

71.8

74.8

75.8

67

61

62.4

67

65.7

64

62.6

58

60.3

63

62

61

77

79.6

72.1

73.7

77

66

55.7

54.8

55

56.8

53.8

54.5

0

3

9

1

2

2

W

E

E

E

E

E

0

1

2

1

0

1

8

6

10

7

6

6

Fine.

Cloudy
drizzle
in aft.Cloudy
misty
in aft.Thunder
in aft
showers
aboutTetm
to SW
in aft.

Fine

1887	Date	April	10	11	12	13	14	15	16	17	18
	Time	...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
	INSTRUMENT.		Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	...	...	62	60	61	59	60	58	59	60	56
Barometer	...	...	744	722	720	700	690	648	680	654	568
Dry Bulb	...	...	63.9	63.3	59.8	60.8	63	62	62	60.3	54.2
Wet Bulb	...	...	58.3	59	57	57.9	58	55	58	57.1	52.8
Maximum	...	...	75.8	76.7	72.9	68	69	78	78.5	72.7	67
Minimum	...	...	51.7	42.5	53.8	48.6	51	44.2	46	53	46.9
Rain Measure	...	...	0	0	0	5	0	0	0	0	73
Evaporation...	{	Weight...									
	{	Amount									
Direction of Wind	...	...	E	E	E	E	E	E	E	E	E
Velocity	...	...									
Force	...	...	1	1	2	2	2	1	1	2	3
Cloud	...	...	0	0	9	5	2	1	2	8	9
Remarks	...	...	Fine and clear.	Fine	Showering in aft.	Fine	do	do	Fine Thunder in aft.	Cloudy T. rain with rain 5 p.m.	Cloudy & cold

1887 April

St. 3109

Date	19	20	21	22	23	24	25	26	27
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	54	53	53	55	54	56	53	56	53
Barometer	640	626	574	530	594	738	778	766	660
Dry Bulb	53	52	53	53	54	54	52.5	51.5	50.7
Wet Bulb	49.5	50	48.3	50.8	51.4	50.1	49.5	49.8	49
Maximum	63.5	62.2	63.9	63.2	59	62.7	64.8	62.9	61
Minimum	46.5	41.5	40	45.4	45.8	45.1	43	43.7	42
Rain Measure	0	0	0	5	3	1	0	4	8
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	E	E	E	E	E	E	E	E	E
Velocity									
Force	1	1	2	2	2	2	2	2	2
Cloud	9	10	0	8	10	2	9	8	7
Remarks... ..	Fine	do	do light rain at night	Cloudy misty at times	do do	Fine	do drizzle at night	do shown in aft.	do

1887 Date April

Time

INSTRUMENT.

Attached Thermometer

Barometer

Dry Bulb

Wet Bulb

Maximum

Minimum

Rain Measure

Evaporation... { Weight... ..

{ Amount

Direction of Wind

Velocity

Force

Cloud

Remarks

Days rain

Lightning

Mean diurnal range 21.7 am.

Greatest do 34.6 am

Greatest range 44.8 am

Mean temp. 59.8 am

max. 70.6 am

min. 48.9 am

dry 59.0

wet 56.0 am

cloud 5.8

Humidity 81

Inches of rain 1.23

28

9 a.m.

Reading.

54

54.6

55

51.8

62

41.8

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

29

9 a.m.

Reading.

52

55.4

53.6

50.5

64

35.2

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

30

9 a.m.

Reading.

54

69.0

52

50

66

44.1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

May.

1

9 a.m.

Reading.

54

73.2

51.9

49.7

65

42.9

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

2

9 a.m.

Reading.

52

65.8

54.7

51.8

63.8

33.9

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

3

9 a.m.

Reading.

52

62.0

55

49

65.5

35.3

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

4

9 a.m.

Reading.

55

62.6

55.1

48

63.5

41.7

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

5

9 a.m.

Reading.

56

60.0

57

52.4

62.1

38.7

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

6

9 a.m.

Reading.

50

57.6

47.2

46

64.1

33.7

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

April

Remarks

Days rain

Lightning

Mean diurnal range 21.7 am.

Greatest do 34.6 am

Greatest range 44.8 am

Mean temp. 59.8 am

1887.	Date	May	7	8	9	10	11	12	13	14	15
	Time	...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.			Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	...	...	44	49	52	50	46	57	42	37	42
Barometer	...	...	54.6	43.8	45.4	50.0	41.0	38.4	36.8	45.0	52.0
Dry Bulb	...	...	44	53.5	46.7	46.1	41.8	42.2	37	38	40.3
Wet Bulb	...	...	40	44.2	44.7	43.2	38.5	38.6	34	33.5	34.1
Maximum	...	...	59	60.8	62.9	58	57.1	45.9	51.8	48	54.9
Minimum	...	...	26.6	31.4	42.5	29.4	28.5	37.1	31.2	21.2	24
Rain Measure	...	...	0	0	4	0	0	0	0	0	0
Evaporation...	{	Weight...									
	{	Amount									
Direction of Wind	...	...	W	W	W	W	W	W	W	W	W
Velocity	...	...									
Force	...	...	0	0	1	1	2	1	2	1	1
Cloud	...	...	0	0	10	0	10	3	10	0	2
Remarks	...	...	Fine and clear.	Cloud forming in aft. shower at night	Fine	Fine and clear	Cloudy and cold	Fine	do	do	light cloud forming.

1887	Date	May	16	17	18	19	20	21	22	23	24
	Time	...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
	INSTRUMENT.		Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	...	...	48	49	46	49	49	51	47	46	48
Barometer	...	...	550	466	466	638	692	694	606	572	600
Dry Bulb	...	...	43	46.2	41.6	45.7	46.5	49.9	48	46.2	46
Wet Bulb	...	...	38.8	42	40.5	43.3	43	46.3	45	42	41.8
Maximum	...	...	50.5	50.5	57.7	49.8	56.5	56	58.2	55.8	55.4
Minimum	...	...	34.4	34.8	28.9	39.6	39.2	37.8	31.8	28.6	35.2
Rain Measure	...	...	0	0	11+	3	0	0	0	2-	0
Evaporation...	{	Weight...									
	{	Amount									
Direction of Wind	...	...	W	W	SE	E	E	E	NW	W	W
Velocity	...	...									
Force	...	...	0	1	2	1	2	1	2	2	1
Cloud	...	...	10	2	10	6	6	2	6	0	8
Remarks	...	...	Cloudy	do showen in aft	Cloudy showen in forenoon	Fine	do	do	Cloud forming showen in aft	Fine	Cloudy

1887	Date	25	26	27	28	29	30	31		
	Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
	INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
	Attached Thermometer	42	49	52	52	54	54	55		
	Barometer	650	72.8	74.4	720	680	594	500		
	Dry Bulb	42.5	46	48.8	49.8	48.9	49.9	50		
	Wet Bulb	40	44	47.5	48.5	46.7	48.9	49		
	Maximum	56	60.6	60.2	51.2	60.7	54.3	56.1		
	Minimum	25	35.1	44.1	43.6	43	43.9	45.6		
	Rain Measure	0	0	6	25	0	4	16		
	Evaporation... { Weight...									
	Amount									
	Direction of Wind	W	E	E	E	E	E	E		
	Velocity									
	Force	0	1	1	2	2	1	1		
	Cloud	0	1	10	9	8	10	10		
	Remarks...	May Days rain 9 lightning 0 Mean diurnal range 22.4 cor Greatest do 32.8 cor Greatest range 44.7 cor Mean temp. 46.9 cor max 58.1 cor min. 35.7 cor dry 47.2 wet 44.0 cor cloud 4.7 Humidity 77 Inches of rain 0.98	Fine fog Fine light rain all day Inches of rain 0.98	light rain all day Inches of rain 0.98	Fine Inches of rain 13.64 since 1st Jan	Cloudy light rain at sundown Winds W-16 NW 4 E 11	Cloudy light showers.	Showery all day		

June

Date	1	2	3
Time	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.
Attached Thermometer	52	50	52
Barometer	440	434	446
Dry Bulb	48	47	48.4
Wet Bulb	46	46	46.6
Maximum	52.4	55.8	58
Minimum	38.9	36.9	38.7
Rain Measure	18	0	0
Evaporation... { Weight... ..			
{ Amount			
Direction of Wind	E	E	W
Velocity			
Force	1	0	6
Cloud	8	8	1
Remarks... ..	Fine fog in mg.	Fine	do rain at night

St. 3102

4	5	6	7	8	9
9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
49	48	44	41	40	45
416	472	350	250	400	518
47	45	38.4	31	35	39
45	41.7	37.1	29.3	33	37.4
57.8	53.2	55.2	44	38.8	41.6
42	37.2	36.2	29.4	29	33.3
18	0	0	15	0	0
W	W	W	W	SW	SW
1	0	2	3	2	1
5	0	10	5	10	0
do	do	do high wind cold snow in mg.	do. heavy cold cloudy very cold	weather clearing cold	Fine and clear

1887 Date *June*
Time

INSTRUMENT.

Attached Thermometer
Barometer
Dry Bulb
Wet Bulb
Maximum
Minimum
Rain Measure
Evaporation... { Weight...
Amount ...
Direction of Wind
Velocity
Force
Cloud

Remarks

10	11	12
9 a.m.	9 a.m.	9 a.m.
Reading.	Reading.	Reading.
4.5	4.8	5.4
57.2	51.2	24.4
46.5	46.9	47
40	43.4	45
53	56	52.2
27.6	33	42.6
0	0	32
W	NW	NW
1	2	3
1	8	9
Fine cloud forming in aft	Cloudy rain & 8 p.m.	Showery

St. 3109

13	14	15	16	17	18
9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
4.5	4.6	4.3	4.7	4.5	4.5
23.0	47.2	48.8	37.0	29.6	35.0
37	39.8	38	42	37	36
35.8	37.6	32.8	40	36	35
50.2	40.1	45	49.8	50.9	46
33.8	35.5	25.1	33.7	28.1	32
53	18	0	0	0	0
NW	W	E	E	W	W
2	1	1	0	1	1
10	9	1	5	1	18
do	Fine	do	Fine	do	do
		light cloud covering sky in aft.			

1887	Date	June	19	20	21	22	23	24	25	26	27
	Time	...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
	INSTRUMENT.		Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	...	...	47	49	49	52	45	44	46	41	50
Barometer	...	...	36.4	47.0	37.6	31.0	36.0	35.0	22.4	28.0	59.0
Dry Bulb	...	...	39.5	42	45	43.3	40	35.6	36	34	42
Wet Bulb	...	...	37.3	40	40	42.6	37	34.7	34.6	33	39.8
Maximum	...	...	46.6	49.4	53	48	50.1	45.7	44	40.7	40.8
Minimum	...	...	32.6	35.7	38	40.4	34	31.2	30.8	30.1	32.6
Rain Measure	...	...	0	0	3	42+	9	6+	34	15	5
Evaporation...	{	Weight...									
	{	Amount									
Direction of Wind	...	...	SW	SW	W	W	W	W	W	W	E
Velocity	...	...									
Force	...	...	1	0	2	1	2	3	2	1	2
Cloud	...	...	2	0	3	9	6	10	10	10	6
Remarks	...	...	Cloudy	Fine	Raining from noon	Showering	Fine snow at night and in morn.	Showers of sleet and snow	do do	misty showers	Fine

1887		Date	June	28	29	30	July.					
		Time		9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
		INSTRUMENT.		Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer				45	50	50	56	54	54	57	48	42
Barometer				758	796	742	642	584	586	382	256	272
Dry Bulb				39.5	42.4	41	47	48.2	49	54	40.6	38
Wet Bulb				38	40.6	40	45	47	48	51.2	38.8	37
Maximum				50.4	49.8	50.6	50.5	57	54.2	59	53	45
Minimum				31	34.5	33.6	38.4	44.7	39.3	45.7	37.8	35.2
Rain Measure				0	0	0	0	53	0	22	31	8
Evaporation...		{ Weight...										
		{ Amount										
Direction of Wind				E	E	W	NW	NW	NW	NW	W	W
Velocity												
Force				2	1	0	1	1	0	2	2	2
Cloud				2	4	10	10	10	9	10	7	10
Remarks				Fine	do	cloudy	raining	Fine	Cloudy	Raining	Showering	do
				50.0 cm	cloud forming from W.	like rain	all day		rain at night	all day	high and cold	do
Days rain			13									
Lightning			0									
Mean diurnal range				15.7 cm								
Greatest do				25.8 cm								
Greatest range				33.3 cm								
Mean temp.				42.2 cm								
Mean max.				50.0								
Mean min.				34.3								
Mean dry				41.0								
Mean wet				39.1								
Mean cloud				5.7								
Mean humidity				84								
Inches of rain				2.68								
Inches of rain since 1st Jan				16.32								
Winds				SW 4								
				W 16								
				NW 3								
				E 7								

1887	Date	July	7	8	9	10	11	12	13	14	15
	Time	...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.			Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	...	...	46	47	39	46	46	47	47	50	50
Barometer	...	...	454	558	566	472	552	678	658	550	580
Dry Bulb	...	...	39	39.5	36.2	38.8	39	41.1	44	48	48.5
Wet Bulb	...	...	37	36.3	31.9	34.9	37	39.5	43	46.8	46
Maximum	...	...	42.8	44.2	46.7	46.9	45.1	43	48.7	47.7	58
Minimum	...	...	33.1	34.5	23	31.2	32.4	35.5	38.7	41	33.2
Rain Measure	...	...	15+	2	0	0	9	5	5	5	0
Evaporation...	{	Weight...									
	{	Amount									
Direction of Wind	...	...	W	W	W	NW	E	E	E	E	W
Velocity	...	...									
Force	...	...	1	1	1	1	1	2	2	2	0
Cloud	...	...	8	7	0	1	10	10	10	9	0
			Cloudy	do	Fine and clear	Cloudy light showers & snow	Showery	Thick dingy weather	do do	Fine	Fine and clear.

Remarks...

1887 Date *July* ...

Time ...

INSTRUMENT.

16

9 a.m.

Reading.

17

9 a.m.

Reading.

18

9 a.m.

Reading.

19

9 a.m.

Reading.

20

9 a.m.

Reading.

21

9 a.m.

Reading.

22

9 a.m.

Reading.

23

9 a.m.

Reading.

24

9 a.m.

Reading.

Attached Thermometer ...

Barometer ...

Dry Bulb ...

Wet Bulb ...

Maximum ...

Minimum ...

Rain Measure ...

Evaporation... { Weight...
Amount ...

Direction of Wind ...

Velocity ...

Force ...

Cloud ...

Remarks...

49

48.8

47.2

44.7

57.8

36.7

0

W

2

2

Fine

49

46.0

44

40.7

52.1

37.4

0

SW

2

1

do

49

49.8

43

40.1

51.3

35.6

0

SW

1

1

do

44

52.4

40.6

38

52.2

27

0

SW

0

0

do

and clear

cloud in aft. shower at night

47

47.8

46

42.3

53.1

33.8

0

W

2

1

Fine

cloud in aft. shower at night

49

49.4

43

40

54.8

35.7

0

W

1

0

Fine

and clear

48

37.6

48.3

43.8

54.4

31.8

0

NW

2

2

do

do

45

27.0

39.7

34.9

55.7

35

0

W

2

0

Fine

41

46.8

34

31.7

46

30.2

0

SW

3

4

do

1887	Date	July	25	26	27	28	29	30	31		
	Time	...	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
	Instrument.		Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	...	...	46	47	43	39	44	46	48		
Barometer	...	...	59.6	60.2	60.0	66.6	73.8	67.2	64.0		
Dry Bulb	...	...	37.3	39.3	40.5	36.2	41.8	46	47.2		
Wet Bulb	...	...	34.5	32.4	37.4	31.7	36.4	41	44		
Maximum	...	...	43.8	47.3	54	49.7	52	55.2	57.2		
Minimum	...	...	29	20.4	26	21	24.8	26.8	32		
Rain Measure	...	...	0	0	0	0	0	0	0		
Evaporation...	{	Weight...									
	{	Amount									
Direction of Wind	...	...	SW	NW	W	E	E	NW	NW		
Velocity	...	...									
Force	...	...	1	0	2	0	1	1	3		
Cloud	...	...	7	0	1	0	0	0	0		
Remarks...	...	...	Fine	Fine and clear	Fine	Fine and clear	do	do	do		
July	...	...	10	0							
Days rain	...	...	18.0 com	29.1 com	28.4						
Lightning	...	...	Mean diurnal range	Mean temp.	42.7 com						
Mean diurnal range	...	...	Mean max	57.7 com							
Greatest do	...	...	min.	33.7 com							
Greatest range	...	...	dry	42.7							
Mean temp.	...	...	Wet	40.1 com							
Mean max	...	...	Cloud	4.2							
min.	...	...	Humidity	79							
dry	...	...	Inches of rain	1.55							
Wet	...	...	Inches of rain	17.87							
Cloud	...	...	once / Jan								
Humidity	...	...	Winds	SW 5							
Inches of rain	...	...		W 12							
once / Jan	...	...		NW 8							
Winds	...	...		E 6							

1887 August

St. 3101

Date	1	2	3	4	5	6	7	8	9
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	53	55	52	54	39	37	48	43	44
Barometer	700	722	622	574	598	576	654	706	744
Dry Bulb	51	46.8	51	45	34	34.8	40	43.2	42
Wet Bulb	46.1	45.1	46.2	45	31.2	31	36.2	38	30
Maximum	58.3	63.7	58	60.7	53.8	46.2	48	53.7	52.8
Minimum	40	41.8	36	42.4	25	19.4	25	23.6	21.2
Rain Measure	0	0	0	27	0	0	0	0	0
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	NW	E	NW	W	W	W	E	W	W
Velocity									
Force	1	1	1	0	1	1	1	1	
Cloud	0	10	0	10	0	0	0	0	0
Remarks	Fine cloud forming in aft fog in mgs.	Cloudy	do rain in mgs.	do	Fine and clear.	do	do	do	do

1887 August

St. 3104

Date	10	11	12	13	14	15	16	17	18
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	45	57	47	54	57	54	48	48	57
Barometer	758	734	606	502	492	510	572	534	434
Dry Bulb	42.5	43.2	42.6	51.8	50.6	48	48.5	49	42
Wet Bulb	38.8	42	41.2	49.5	50	45.3	43.3	45	41
Maximum	53.3	56	46.6	51.2	59.5	56.7	58.8	58	58
Minimum	30.4	38.2	38.7	39.8	46	40.5	30.5	31	31.5
Rain Measure	0	4	57	41	33	29	0	0	18
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	E	E	E	E	NW NW	W	W	W	E
Velocity									
Force	1	2	3	2	0	0	0	0	0
Cloud	0	10	10	9	10	1	0	0	10
Remarks... ..	Fine cloud forming in aft light rain in mg.	light rain all day heavier at night	light rain all day	weather clearing rain again at night	raining	Fine	do	do showers in early mg.	cloudy and showery

1887 August

St. 3104

Date	19	20	21	22	23	24	25	26	27
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	43	51	53	52	52	51	50	51	52
Barometer	530	632	670	680	714	810	828	784	730
Dry Bulb	42	48	45.5	45	51	51.3	49.8	51	49
Wet Bulb	39.7	45.8	43.8	43.2	46.3	47.5	46.2	46.7	44.9
Maximum	49.9	54	58.8	57.4	59.2	62.6	61.9	62.1	64.1
Minimum	27.7	38	37.4	34.2	34.2	34.2	33.6	35	39
Rain Measure	3	2	2	0	0	0	0	0	0
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	SW	E	E	E	W	W	E	E	NW
Velocity									
Force	0	1	2	1	1	1	1	1	1
Cloud	0	8	7	0	0	0	0	0	9
Remarks	Cloudy	do	Fine	do much cloud in aft. Cumulus	heavy cumuli all day	do do Thunder at sunset	Fine	do	Cloudy

1887	Date	Sept.	6	7	8
	Time	...	9 a.m.	9 a.m.	9 a.m.
	INSTRUMENT.		Reading.	Reading.	Reading.
Attached Thermometer	...	...	55	43	45
Barometer	...	...	18.6	37.4	44.6
Dry Bulb	...	...	57	38.6	42.8
Wet Bulb	...	...	46.8	35	37
Maximum	...	...	60.8	52.4	50.2
Minimum	...	...	41.7	33.4	33.3
Rain Measure	...	...	0	5	0
Evaporation...	{	Weight...			
		Amount			
Direction of Wind	...	...	NW	W	W
Velocity	...	...			
Force	...	...	3	2	2
Cloud	...	...	10	7	0
			Stormy	do	Fine still blowing hard
Remarks	...	...			

					St. 3109
9	10	11	12	13	14
9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
48	46	49	45	49	50
44.8	42.4	48.0	59.2	56.4	50.2
42	43	41.6	46	44.8	42.5
37.8	37.3	37	39	41.3	40.6
54	54	53.1	55.3	57.8	56
31.4	34.1	29.2	25.2	34.2	36.7
0	0	0	0	0	4+
W	W	W	SW	E	E
1	2	1	1	1	1
1	1	1	0	10	10
Fine	do	do	do	Cloudy	do

1887 Sept.

Date

Time

INSTRUMENT.

Attached Thermometer

Barometer

Dry Bulb

Wet Bulb

Maximum

Minimum

Rain Measure

Evaporation... { Weight...
Amount

Direction of Wind

Velocity

Force

Cloud

Remarks

September
Days rain 6
lightning 0
Mean diurnal range 24.8 cor.
greatest do 34.3 cor
greatest range 43.9 cor

24

9 a.m.

Reading.

50

42.6

54.5

43.9

62.7

28.8

0

W

1

0

0

0

Cloud forming light rain after sunset
Mean Temp. 48.4 cor
max 60.8 cor
min 36.0 cor
dry 49.5
wet 43.6 cor
cloud 2.0

25

9 a.m.

Reading.

58

20.4

54

46

64.8

47.9

9

W

3

1

1

1

Westerly gale
Humidity 62
Inches of rain 1.20

26

9 a.m.

Reading.

49

39.2

47

40

61.1

38.9

0

W

2

0

0

0

Fine
Humidity 62
Inches of rain 1.20

27

9 a.m.

Reading.

48

49.4

48

42.9

58

28.2

0

E

0

3

3

3

do
Inches of rain } 21.80
since 1st Jan.
Winds SW 1
W 17
NW 5
E 6
SE 1

28

9 a.m.

Reading.

50

53.2

52.9

44.8

61.2

29

0

W

0

0

0

0

do
Winds SW 1
W 17
NW 5
E 6
SE 1

29

9 a.m.

Reading.

52

57.0

54.2

47.7

64.2

32.8

0

NW

1

2

2

2

Cloud forming
Winds SW 1
W 17
NW 5
E 6
SE 1

30

9 a.m.

Reading.

54

65.2

56.2

49.4

67.9

34.3

0

W

0

1

1

1

Fine
Winds SW 1
W 17
NW 5
E 6
SE 1

1887 *October*

St. 310%

Date	1	2	3	4	5	6	7	8	9
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	54	59	56	52	57	52	54	54	55
Barometer	652	408	260	214	262	322	550	688	650
Dry Bulb	56.8	57.9	55.5	49.6	52	52.8	54	59	64
Wet Bulb	48.8	52	49	45	46	46.9	48	48.6	50.3
Maximum	69.6	70.2	68.10	64.1	55.7	61.7	65.8	68.1	72.6
Minimum	36.9	43.5	45	41	33.6	34.2	34	32.6	34
Rain Measure	0	0	0	0	20	0	0	0	0
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	NW	NW	NW	W	W	W	SE	NW	W
Velocity									
Force	1	3	2	1	2	1	0	1	1
Cloud	5	2	5	7	2	1	1	0	0
	much cloud	Thunder & shower	Fine	Showering	much cloud	Fine	do	do and clear	do do

Remarks

1887

Ditcher

St. 3109

Date	10	11	12	13	14	15	16	17	18
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	64	50	49	52	54	57	60	62	
Barometer	350	318	474	638	716	800	760	632	
Dry Bulb	66.7	49.5	48	55.7	60	65.4	70	70	
Wet Bulb	52.2	41	42.2	44.8	48	51	53	53	
Maximum	76.1	72.5	58.1	63.7	69	75	78.8	83.9	84
Minimum	45	31.5	30.9	28.9	32.4	34.6	38	42.1	55.1
Rain Measure	0	0	4	0	0	0	0	0	0
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	NW	W	SW	W	W	W	SW	W	W
Velocity									
Force	4	1	1	2	1	1	1	1	2
Cloud	1	2	0	0	0	0	0	1	2
Remarks	NW gale	Cloudy light rain in aft.	Fine and clear	do do	do do	do do	do do	do do	light cloud from Thunder 10 p m rain at night

1887 *October*

St. 3104

Date	19	20	21	22	23	24	25	26	27
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	58	52	53	57	59	60	60	59	60
Barometer	34.0	42.2	50.0	55.2	57.8	64.4	59.4	59.2	62.6
Dry Bulb	50	50.6	53.4	58.9	65	63	59.1	54.4	62
Wet Bulb	49	44.5	46.5	47.4	52	56.8	56.6	53	56
Maximum	81.8	59	66	71.7	74	77.2	72	63	67
Minimum	47.4	38.8	30.7	32.5	36.3	44	49.7	50.1	48.8
Rain Measure	33	0	0	0	0	0	51	31	2
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	W	W	W	W	W	E	NW	NW	N
Velocity									
Force	2	2	0	2	0	1	0	0	2
Cloud	2	2	0	0	0	6	10	10	2
Remarks	Fine and clear	do	do	do	do	Cloudy. Thunder at midday rain after sundown	Cloudy and showering	Cloudy	do

1887 *October*

Date

Time

INSTRUMENT.

Attached Thermometer

Barometer

Dry Bulb

Wet Bulb

Maximum

Minimum

Rain Measure

Evaporation... { Weight...
Amount ...

Direction of Wind

Velocity

Force

Cloud

Remarks

October

Days rain

8 4

Mean diurnal range

30.8 cor

Greatest dr

42.2 cor

Greatest range

55.5 cor

Mean temp

56.0 cor

max

71.4 cor

min 40.6 cor
dry 58.4
wet 50.4 cor

cloud 2.4

Cloudy & showery

Humidity 57

Thunder in aft.

Inches of rain 1.69

Fine and clear.

Inches of rain since 1st Jan { 23.49

Winds

SW 2
W 17

NW 9

N 1

E 1

SE 1

Fine

Fine

Fine and clear

Fine and hot. T storm with hail 6 p m

Fine

Cloudy

November.

St. 3104

31

9 a.m.

Reading.

61

56.4

64.2

54

73.8

40

0

W

1

0

Fine

1

9 a.m.

Reading.

64

56.6

67.1

58.2

75.8

45.4

0

W

1

0

Fine

2

9 a.m.

Reading.

65

60.0

69

57

78.1

42.9

0

NW

0

1

Fine

3

9 a.m.

Reading.

67

64.8

68.8

62

81

50.3

0

W

1

1

Fine

4

9 a.m.

Reading.

67

60.8

67.6

60.3

84.5

56.6

15

NW

2

0

Fine

5

9 a.m.

Reading.

67

51.0

69

59

84.5

57

0

NW

1

5

Cloudy

November
1887.

Date	6	7	8	9	10	11	12	13	14
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	66	62	58	56	55	57	57	56	55
Barometer	452	432	458	452	466	442	340	396	552
Dry Bulb	65	62.8	57	56.8	57.1	58.3	56.8	53.5	54.8
Wet Bulb	58	55	53.8	53	53	49.2	47.8	46.7	49
Maximum	80.1	70	76.1	64.1	65.6	69.8	72.1	66.1	64.9
Minimum	60.7	54	48.1	45.6	44	39	46.8	40	43.5
Rain Measure	0	42	51	56	4	0	0	0	0
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	NW	W	E	E	E	W	W	SE	E
Velocity									
Force	1	1	2	0	1	1	2	1	1
Cloud	10	5	5	6	3	2	0	7	9
Remarks	Thunder with showers	much cloud T storm with rain 9 p.m.	Thunder all day with rain	Thunder with light showers	Fine	do	do and clear	Cloudy drizzle at sunset	Fine

November
1887

St. 3109

Date	15	16	17	18	19	20	21	22	23
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer		58	60	59	58	60	64	59	54
Barometer		550	580	596	540	478	464	578	658
Dry Bulb		59	62.5	63	58	63.9	66.6	60.4	57
Wet Bulb		53	56.1	56.8	53.3	56	58.5	55.2	51.1
Maximum		70.8	74.7	73.8	72.2	73.9	78.8	77.8	70.1
Minimum		39.4	47	46.4	49.3	42	50.2	50	38.2
Rain Measure		2	0	11	66	11	11	6	1
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind		NW	E	NE	NW	NW	NW	E	E
Velocity									
Force		1	1	1	2	1	2	2	2
Cloud		7	3	5	6	0	2	7	0
Remarks		Fine Thunder at 8 p.m. with light rain	much cloud Thunder at midday light rain in aft.	T storm in aft with heavy rain	T storm in aft with rain.	Fine Thunder in aft with little rain. and again at night	Thunder all day	Cloudy drizzle in aft.	Fine

November
1887

Date

Time

INSTRUMENT.

Attached Thermometer

Barometer

Dry Bulb

Wet Bulb

Maximum

Minimum

Rain Measure

Evaporation... { Weight...
Amount ...

Direction of Wind

Velocity

Force

Cloud

November

Remarks...
Days rain
lightning

Mean diurnal range 27.0 con
greatest di 39.0 con
greatest range 46.7 con
Mean temp. 61.5 con

max. 75.0 con
min. 48.0 con
dry 61.7
wet 55.4 con
cloud 4.1
Humidity 65
Inches of rain 3.10
Inches of rain since 1st Jan } 26.59

24

9 a.m.

Reading.

59

69.8

62

54.7

72.6

41.2

0

E

1

0

Fine and clear.

25

9 a.m.

Reading.

60

69.4

62

55.7

79.6

41

0

W

1

0

do do

26

9 a.m.

Reading.

65

58.6

66.3

57.5

80.7

50

0

NW

2

0

do cloudy at sunset

27

9 a.m.

Reading.

64

54.4

63.5

58.6

82.2

56

0

E

1

8

light rain all day

W. 6

NW 10

NE 1

28

9 a.m.

Reading.

56

57.2

53.7

52

64

47.6

24

E

2

10

Cloudy

W. 11

SE 1

29

9 a.m.

Reading.

63

62.0

65

58.5

69.5

46.6

0

E

1

8

Cloudy light rain in aft.

W. 11

SE 1

30

9 a.m.

Reading.

63

54.8

62

59

72.7

55.1

9

NW

2

10

Cloudy shower 6 a.m.

December

1887

Date

Time

INSTRUMENT.

Attached Thermometer

Barometer

Dry Bulb

Wet Bulb

Maximum

Minimum

Rain Measure

Evaporation... { Weight...
Amount

Direction of Wind

Velocity

Force

Cloud

Remarks

1 2 3

9 a.m. 9 a.m. 9 a.m.

Reading. Reading. Reading.

65 64 55

50.0 42.5 42.8

64.4 61.7 51

60.5 60.5 46

73.6 74.5 72.6

59.8 58.7 45.5

2 42 2

NW NW W

3 1 3

10 10 7

Cloudy like rain rain all night

Cloudy little rain

Fine

4 5 6 7 8 9

9 a.m. 9 a.m. 9 a.m. 9 a.m. 9 a.m. 9 a.m.

Reading. Reading. Reading. Reading. Reading. Reading.

58 61 63 64 58 58

62.2 71.6 66.6 54.8 64.0 65.0

59 63.9 64 67.5 60 60

53.6 55.8 57 56.5 52 51.2

67 77 76.4 76.6 80.7 76.3

45 45 52 51.4 43 46.7

0 0 0 0 0 0

E E NW W E E

1 1 1 3 2 2

4 3 7 0 0 3

do do do do Fine and clear

do do do do Fine

Thunder at midday

December
1887

St. 3109

Date	10	11	12	13	14	15	16	17	18
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	58	62	60	63	68	68	71	68	66
Barometer	68.4	69.0	70.8	71.8	68	65.2	66.2	64.4	54.6
Dry Bulb	60.7	65	62.6	67		69	75	70	66
Wet Bulb	53.6	55.2	53.3	54		59.5	63	62.9	60
Maximum	77.9	79	77.9	78	84.4	88.9	93.1	90.1	88.2
Minimum	43.2	46.4	44	37	44.6	53.6	59.3	56.7	54.8
Rain Measure	0	0	0	0	0	0	6	1	74
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	E	E	E	E	E	NW	W	NW	W
Velocity									
Force	2	1	1	0	0	1	1	1	1
Cloud	0	0	0	0	0	0	0	6	6
Remarks	Fine	do	do and clear	do do	do	do Thunder at sunset	Thunder all day	Tetorm with heavy rain 6 pm	Fine Thunder in aft.

December
1887

St. 3109

Date

Time

INSTRUMENT.

19

9 a.m.

Reading.

20

9 a.m.

Reading.

21

9 a.m.

Reading.

22

9 a.m.

Reading.

23

9 a.m.

Reading.

24

9 a.m.

Reading.

25

9 a.m.

Reading.

26

9 a.m.

Reading.

27

9 a.m.

Reading.

Attached Thermometer

Barometer

Dry Bulb

Wet Bulb

Maximum

Minimum

Rain Measure

Evaporation... {

Weight...

{ Amount

Direction of Wind

Velocity

Force

Cloud

Remarks

69

51.0

73

64

81.2

54.6

0

W

1

7

Thunder
in aft
little rain

65

60.0

65.4

62

81.2

57.7

6

W

0

10

much
rain
little
Thunder

65

66.8

67

61

75.7

53.2

84

NE

1

7

Cloudy

62

61.2

63.6

59.3

80.9

52

0

E

1

9

do
rain
7 a.m.

64

52.8

63.2

60.3

78

55.5

10

NE

1

9

raining

66

48.0

65.7

61.7

74.1

56.6

15

NW

1

8

Fine
shower
in aft.

67

45.4

67.4

64.8

83

60.5

4

NW

1

10

Fine
heavy rain
after
midnight

66

38.2

62.2

61.1

79.6

59

130

E

0

10

Raining
Worsted

60

50.0

61.7

59.5

61.9

52.1

56

E

2

6

thick water
with drizzle
all day

December
1887

St. 3104

Date	28	29	30	31					
Time	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.
INSTRUMENT.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.	Reading.
Attached Thermometer	60	63	62	62		62			
Barometer	58.6	68.6	70.0	71.0		73.0			
Dry Bulb	61.9	63.8	61	63.8		66			
Wet Bulb	59.5	61	60	60.1		60			
Maximum	68	74.2	75.1	68					
Minimum	52	55.1	55.5	51.1					
Rain Measure	3	39+	16	11					
Evaporation... { Weight... ..									
{ Amount									
Direction of Wind	E	E	E	E					
Velocity									
Force	2	1	1	1					
Cloud	9	9	10	3					
Remarks...	17 Days rain lightning Mean diurnal range 26.5° greatest di 41.4° greatest range 56.5° Mean temp. 65.5° max 78.8°	much T midday steady rain in aft. min 52.3° dry 64.2 wet 58.6° cloud 5.3 Humidity 69	light rain all day inches of rain 5.01 inches of rain 31.60 since 1st Jan	weather clearing Winds W. 6 NW 7 NE 2 E 16					

December.

144



