

WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION

MOUNT WASHINGTON OBSERVATORY

LATITUDE

44 DEGREES 16 MINUTES NORTH

LONGITUDE

71 DEGREES 18 MINUTES WEST

GROUND ELEVATION (H)

6,280 FT

STANDARD TIME

EASTERN

TEMPERATURE (°F)

DAY

MAX

MIN

AVG

NORM

DEPART

HEAT

COOL

TOTAL (EQUIV)

SNOW & ICE

SNOW/ICE ON GROUND-7AM

AVG SPEED

FASTEST MILE

SUNSHINE (MINUTES)

SKY COVER (TENTHS)

WEATHER OCCUR.

1

29

15

22

8

14

43

0

0.68

4.0

2

38.0

79

290 (W)

0

0

10

1269

2

15

2

9

8

1

56

0

0.50

5.0

2

93.8

142

290 (W)

0

0

10

1269

3

2

-3

0

8

-8

65

0

0.03

0.6

3

86.7

136

290 (W)

190

35

9

1269

4

-3

-11

-7

8

-15

72

0

0.04

0.9

3

68.5

103

290 (W)

3

1

10

1269

5

2

-14

-6

7

-13

71

0

0.04

0.4

3

77.0

111

290 (W)

3

1

10

1269

6

13

-3

5

7

-2

60

0

0.00

0.0

3

48.0

102

320 (NW)

523

95

5

1269

7

-1

-12

-6

7

-13

71

0

0.09

1.1

3

62.5

93

310 (NW)

0

0

10

1269

8

-4

-12

-8

7

-15

73

0

0.06

0.9

3

68.8

89

310 (NW)

120

22

10

1269

9

14

-8

3

7

-4

62

0

0.65

3.5

3

79.9

117

320 (NW)

0

0

10

1269

10

21

10

16

7

9

49

0

0.00

0.0

4

52.9

109

330 (NW)

556

99

1

1269

11

22

2

12

6

6

53

0

0.41

4.4

4

16.0

48

310 (NW)

0

0

10

1269

12

17

2

10

6

4

55

0

0.00

0.0

5

23.3

49

310 (NW)

434

77

4

1269

13

15

8

12

6

6

53

0

0.17

2.6

5

27.7

49

290 (W)

0

0

10

1269

14

8

-3

3

6

-3

62

0

0.20

3.9

6

39.9

62

300 (NW)

0

0

10

1269

15

-3

-8

-5

6

-11

70

0

0.09

1.1

7

46.7

82

320 (NW)

4

1

10

1269

16

1

-6

-2

6

-8

67

0

0.02

0.3

6

19.4

47

300 (NW)

195

34

10

1269

17

9

1

5

6

-1

60

0

T

0.3

6

24.2

49

270 (W)

58

10

10

1269

18

23

9

16

5

11

49

0

0.12

1.9

6

40.5

84

220 (SW)

4

1

10

1269

19

20

5

13

5

8

52

0

0.12

2.3

6

19.2

49

300 (NW)

353

61

9

1269

20

12

-19

-3

5

-8

68

0

0.19

2.5

9

57.1

100

290 (W)

325

57

6

1269

21

-13

-17

-15

5

-20

80

0

T

0.1

6

39.9

68

270 (W)

22

4

10

126

22

-8

-18

-13

5

-18

78

0

0.01

0.2

6

29.5

57

280 (W)

321

55

8

126

23

3

-8

-2

5

-7

67

0

0.02

0.4

6

41.8

76

240 (SW)

125

22

10

1269

24

-3

-10

-6

5

-11

71

0

0.00

0.0

5

55.8

84

290 (W)

10

2

10

1269

25

1

-12

-5

5

-10

70

0

0.01

0.1

5

44.3

67

300 (NW)

145

25

9

1269

26

7

0

4

5

-1

61

0

0.14

1.7

5

61.1

101

280 (W)

0

0

10

1269

27

10

0

5

5

0

60

0

0.06

0.8

4

63.4

108

260 (W)

110

19

9

1269

28

7

-15

-4

5

-9

69

0

0.18

2.6

4

64.2

102

300 (NW)

0

0

10

1269

29

13

-13

0

5

-5

65

0

0.24

2.6

5

59.6

114

290 (W)

0

0

10

1269

30

4

-22

-9

5

-14

74

0

0.01

0.3

5

66.8

108

300 (NW)

145

24

9

1269

31

20

4

12

5

7

53

0

0.12

2.1

5

44.3

82

260 (W)

0

0

10

1269

SUM

253

-156

----

----

----

1959

0

4.20

46.6

----

1560.8

----

----

3646

----

279

----

AVG

8.2

-5.0

----

----

----

----

----

----

----

50.3

FASTEST

DIR

POSS

21%

9.0

----

MISC. ->

142

290 (W)

17658

21%

9.0

----

TEMPERATURE DATA (°F)

PRECIPITATION DATA (IN.)

WEATHER

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY

1.6

TOTAL FOR THE MONTH

4.20

NUMBER OF DAYS:

1 = FOG

DEPARTURE FROM NORMAL

-4.2

DEPARTURE FROM NORMAL

-1.54

CLEAR (SCALE 0-3)

1

2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS

HIGHEST

29 on 1st

24 HOUR MAX

0.71 on 1st/2nd

PARTLY CLOUDY (SCALE 4-7)

3

3 = THUNDER

LOWEST

-22 on 30th

SNOWFALL, ICE PELLETS (IN.)

CLOUDY (SCALE 8-10)

27

4 = ICE PELLETS

NUMBER OF DAYS WITH:

TOTAL FOR THE MONTH

46.6

WITH .01" OR MORE PRECIP

25

5 = HAIL

MAX. 32 OR BELOW

31

24 HOUR MAX

5.6 on 1st/2nd

WITH .10" OR MORE PRECIP

13

6 = GLAZE OR RIME

MAX. 90 OR ABOVE

0

MAX DEPTH ON GROUND

9 on 20th

WITH .50" OR MORE PRECIP

3

7 = BLOWING DUST OR SAND

MIN. 32 OR BELOW

31

PRESSURE DATA (IN.)

WITH 1.0" OR MORE PRECIP

0

RED. VIS. TO 1/2 MILE OR LESS

MIN. 0 OR BELOW

21

HIGHEST SEA-LEVEL

30.392 on 22nd

8 = SMOKE OR HAZE

HEATING DEGREE DAYS (BASE 65°F)

LOWEST SEA-LEVEL

29.207 on 28th

9 = BLOWING SNOW

TOTAL THIS MONTH

1959

AVG STATION

23.289

X = TORNADO

DEPARTURE FROM NORMAL

125

NOTES:

SEASON TOTAL

7097

2ND: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY LOW AMOUNT IN CAN DUE TO HIGH WINDS AND CHUNKS OF RIME FALLING INTO CAN

DEPARTURE FROM NORMAL

-389

2ND: DAILY AVERAGE WIND SPEED CONTAINS 4 HRS OF ADJUSTED SPEEDS DUE TO LIGHT TO MODERATE ICING ON PITOT

COOLING DEGREE DAYS (BASE 65°F)

4TH: PRECIPITATION AND SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO RIME ICE CHUNKS FALLING INTO CAN PRIOR TO COLLECTION

TOTAL THIS MONTH

0

5TH: PRECIPITATION AND SNOWFALL ESTIMATED FOR ONE HOUR DUE TO RIME ICE CHUNKS FALLING INTO CAN PRIOR TO COLLECTION

DEPARTURE FROM NORMAL

0

9TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO RIME ICE CHUNKS FALLING INTO CAN PRIOR TO COLLECTION; SNOWFALL AT THAT COLLECTION REPRESENTS MEASUREMENTS TAKEN AROUND RIME DEBRIS

SEASON TOTAL

0

11TH, 13TH, 25TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW

DEPARTURE FROM NORMAL

0

13TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO RIME ICE CHUNKS FALLING INTO THE CAN PRIOR TO COLLECTION

14TH, 26TH: PRECIPITATION AND SNOWFALL ESTIMATED FOR ONE HOUR DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW

14TH: PRECIPITATION ESTIMATED AT TWO COLLECTIONS DUE TO SMALL HOLE FOUND IN BOTTOM OF PRECIPITATION CAN THAT LET IN WATER FROM BUCKET USED TO MELT ACCUMULATED SNOWFALL

15TH: PRECIPITATION ESTIMATED FOR ONE HOUR DUE TO SMALL HOLE FOUND IN BOTTOM OF PRECIPITATION CAN THAT LET IN WATER FROM BUCKET USED TO MELT ACCUMULATED SNOWFALL

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 421 HOURS OF PREVAILING WINDS FROM THE W. 57% OF THE TOTAL HOURS OF THE MONTH.

0600

1200

1800

0000

MONTH

89

81

81

91

86