

TUES., FEB. 1, 1943

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	33 °F	Dir. W	Temp. 73 °F			
Min.	27 °F	Vel. 2 m.p.h.	Read. 29.00"			
Set	28 °F	Char.	Corr. 28.88	0700	1300	1900
R. H.	70 %	24 hr. Mov. 137 mi.	Sea L. 30.31	Clds. 2/10 sc/cir	Clds.	Clds.
Ppn.	Liq. — in.	Prev. Dir. W	3 hr. Tend. + .7mb ✓	Wx	Wx	Wx
Ppn.	Sol. — in.	Snow Depth T in.	Observer GMB	Vis. 12 mi.	Vis.	Vis. 30'

D.D. Total
33
+ 2.7
65
65
35

1172
35
1207

35 = D.D. Feb
T 35

Nbr. MIN 19

Nbr. MAX 34

REC. MAX 55,1903

MIN -9,1918

Wed. Feb. 7, 1933

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	39 °F	Dir. ENI E	Temp. 72	PCPN VRY LGT		
Min.	26 °F	Vel. 8 m.p.h.	Read. 28.74			
Set	34 °F	Char. -	Corr. 28.61			
R. H.	78 %	24 hr. Mov. 95 mi	Sea L. 30.01	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq. In.	0.04 in.	Prev. Dir. E	3 hr. Tend. -25 mb	Wx 99	Wx	Wx
Ppn. Sol.	- in.	Snow Depth T in.	Observer FJG	Vis. 4 mi	Vis.	Vis. 35°

D.D. = 32

Total 67

Thurs. Feb. 3, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	54 °F	Dir. NW	Temp. 73	R 42-52 on the OCNL PEA SIZE HAIL LTG IC CCG Record High Precip. For Feb. 3rd		
Min.	34 °F	Vel. 3 m.p.h.	Read. 28.23			
Set	42 °F	Char. -	Corr. 28.11			
R. H.	86 %	24 hr. Mov. 143 mi.	Sea L. 29.46	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq.	1.22 in.	Prev. Dir. E	3 hr. Tend. 4.0 mb ↓	Wx light rain	Wx	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer RLB	Vis. 7 mi.	Vis.	Vis. 43°

Degree Days - 88

DD=21

Fri Feb 4, 1983 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	43 °F	Dir. W	Temp. 72	Gusty winds + $\frac{1}{2}$ at obs time.		
Min.	23 °F	Vel. 15 m.p.h.	Read. 28.56"			
Set	23 °F	Char. Gusty	Corr. 28.43"			
R. H.	60 %	24 hr. Mov. missing	Sea L. 29.85	0700	1300	1900
Ppn.	Liq. 0.02 in.	Prev. Dir. West	3 hr. Tend. +1.5mb	Clds. 10/10	Clds.	Clds.
Ppn.	Sol. T in.	Snow Depth T in.	Observer RFM	Wx $\frac{1}{2}$	Wx	Wx
				Vis. 3 mi	Vis.	Vis. 240

32

~~130~~ 120 total

SAT Feb 5, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	24 °F	Dir. NW	Temp. 72	Good visibility wind - gusty early - by obs time has diminished		
Min.	16 °F	Vel. 15 m.p.h.	Read. 29.08"			
Set	16 °F	Char. Gusty	Corr. 28.95"			
R. H.	70 %	24 hr. Mov. 295 m.	Sea L. 30.41"	Clds. 5/10	Clds.	Clds.
Ppn.	Liq. T in.	Prev. Dir. West	3 hr. Tend. +30 mb	Wx —	Wx	Wx
Ppn.	Sol. T in.	Snow Depth — in.	Observer RFM	Vis. 35 mi	Vis.	Vis. 17°

D.O. 45 T 165

34 59 1938

19 -8 1906

Sh=00

Sun Feb 6, 1933*

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	29 °F	Dir. E	Temp. 70°F	*New card - low was corrected RM		
Min.	16 °F	Vel. 4 m.p.h.	Read. 28.90"			
Set	23 °F	Char. -	Corr. 28.79"			
R. H.	64 %	24 hr. Mov. 74 mi	Sea L. 30.23"	0700 Clds. 10/10 sc.	1300 Clds.	1900 Clds.
Ppn.	- in.	Prev. Dir. E	3 hr. Tend. -.8mb	Wx -	Wx	Wx
Ppn.	- in.	Snow Depth -	Observer GRAB	Vis. 12 mi	Vis.	Vis. 25°

4L for 207

ur → 207

00=42.5

Mon. Feb. 7, 1923

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	27 °F	Dir. W	Temp. 72			
Min.	23 °F	Vel. 5 m.p.h.	Read. 28.55			
Set	24 °F	Char. -	Corr. 28.42			
R. H.	70 %	24 hr. Mov. 67 m	Sea L. 29.42"	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq.	0.08 in.	Prev. Dir. E	3 hr. Tend. -1.2 mbl	Wx * ∇	Wx	Wx
Ppn. Sol.	0.8 in.	Snow Depth 1 in.	Observer RFM	Vis. 2 mi	Vis.	Vis. 24°

Precip 1.36

Snow 0.8

V.D. 40 for 247 Tot

04=00

TUES, FEB 8, 1982

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	32 °F	Dir. NW	Temp. 71 °F			
Min.	24 °F	Vel. 5 m.p.h.	Read. 28.77"			
Set	2.4 °F	Char.	Corr. 28.65"			
R. H.	69 %	24 hr. Mov. 101 mi.	Sea L. 30.08"	0700 Clds. 9/10 SC.	1300 Clds.	1900 Clds.
Ppn. Liq.	0.05 in.	Prev. Dir. W	3 hr. Tend. +2.2 mb/	Wx	Wx	Wx
Ppn. Sol.	0.5 in.	Snow Depth 1 in.	Observer GMB	Vis. 12 mi.	Vis.	Vis. 26°

Mean $\frac{56}{2} = \frac{112}{2} = 56$

65	247
-28	122
37	37
	<u>37</u>

284 Total

REG. MAX 58 1925

REG. MIN -17 1934

NOR. MAX 35

NOR. MIN 19

$\frac{1}{2}S = 00$

Wed. Feb. 9, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	30 °F	Dir.	WNW	Temp.	72°			
Min.	22 °F	Vel.	7 m.p.h.	Read.	28.88			
Set	22 °F	Char.	-	Corr.	28.75			
R. H.	74 %	24 hr. Mov.	226 mi	Sea L.	30.18	0700	1300	1900
Ppn.	T in.	Prev. Dir.	W	3 hr. Tend.	+0.3mb	Clds.	Clds.	Clds.
Ppn.	T in.	Snow Depth	T in.	Observer	FJG	10/10		
						Wx	Wx	Wx
						Vis.	Vis.	Vis.
						10 mi		23°

39 D.O.
323 FOR MONTH

TA = 130F

62=00

Thurs Feb 10, 1983 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	33 °F	Dir.	NE	Temp.	72			
Min.	10 °F	Vel.	10 m.p.h.	Read.	29.00"			
Set	10 °F	Char.	—	Corr.	28.87"			
R. H.	75 %	24 hr. Mov.	100 mi.	Sea L.	30.35	0700	1300	1900
Ppn.	— in.	Prev. Dir.	NORTH	3 hr. Tend.	+1.0mb	Clds.	Clds.	Clds.
Ppn.	— in.	Snow Depth	T in.	Observer	RFM	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						35 mi		11°

total 366

DD. date 43

Sum precip 1.41"

Snow 1.3"

$$\begin{array}{r}
 58.62 \\
 \hline
 57.1 \\
 1.52 \\
 \hline
 58.62
 \end{array}$$

DD=93.5

35
207 27

7-6 117

57 140

00=46

Date	4/6
Mean	0.07 - 412
Precip	1.44
Snow	1.6

28.89
1.46
30.35

Saturday February 12, 1983 0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	15 °F	Dir. -	Temp. 72°	STORM TOTAL - 8.8 in. * New Record Breaks old of 8.0 set in 1897.		
Min.	4 °F	Vel. - m.p.h.	Read. 29.10			
Set	6 °F	Char. CALM	Corr. 28.98			
R. H.	87 %	24 hr. Mov. 82 mi.	Sea L. 30.49	0700 Clds. 1/10	1300 Clds.	1900 Clds.
Ppn. Liq.	.80 in.	Prev. Dir. N	3 hr. Tend. +1.2mb ↓	Wx -	Wx	Wx
Ppn. Sol.	8.5 in.	Snow Depth 8 in.	Observer RLB	Vis. 8 mi.	Vis.	Vis. 12°

Degree Days 467

SS = 0.5

SUNDAY, FEB. 13, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	31 °F	Dir.	SE	Temp.	70°F	Fog toward Nittany Mt. & Tussey Ridge		
Min.	2 °F	Vel.	0 m.p.h.	Read.	29.21"			
Set	2 °F	Char.	calm	Corr.	29.10"			
R. H.	84 %	24 hr. Mov.	54 mi.	Sea L.	30.62"	0700	1300	1900
Ppn.	- in.	Prev. Dir.	SW	3 hr. Tend.	+0.5 mb ✓	Clds.	Clds.	Clds.
Ppn.	- in.	Snow Depth	6 in.	Observer	GMB	0/10		
						Wx	Wx	Wx
						Vis.	Vis.	Vis.
						15 mi		9°

$$\bar{T} = \frac{65}{48}$$

$$\begin{array}{r} 467 \\ + 48 \\ \hline 515 \end{array} \text{ Degree Days}$$

Rec. Max 55 1946, 49

Rec. Min -11 1905

Nov. MAX 35

Nov. MIN 20

S 8h = 00

36 < 20
28

Princ 2.24

Smoo 16.1

20.5
~~10~~

0.0 = 44.5
Total 559

66 154
7- 1943

TUES, FEB 15, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	39 °F	Dir. SW	Temp. 72°F	OVERNIGHT LOW. ~26°F at 05Z		
Min.	8 °F	Vel. 2 m.p.h.	Read. 28.70"			
Set	34 °F	Char.	Corr. 28.58"			
R. H.	60 %	24 hr. Mov. 49 mi.	Sea L. 29.98"	0700 Clds. 10/10 S.C.	1300 Clds.	1900 Clds.
Ppn.	Liq. — in.	Prev. Dir. SW	3 hr. Tend. —	Wx	Wx	Wx
Ppn.	Sol. — in.	Snow Depth 4 in.	Observer GMB	Vis. 5 mi.	Vis.	Vis. 36"

$$\text{Mean } \frac{48}{2} = \frac{96}{2} = 48 \rightarrow 2.4$$

4.2 D.D.

$$\frac{589}{42}$$

600 D.D. Total

REG MAX 73 '54
REG MIN -8 1904

NOR MAX. 34
NOR MIN 20

SD=41.5

Wed Feb 16/1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F	Dir. -	Temp. 72	Vis reduced by Fog.			
Min. 32 °F	Vel. - m.p.h.	Read. 28.90"				
Set 32 °F	Char. CALM	Corr. 28.78"				
R. H. 86 %	24 hr. Mov. 72 mi	Sea L. 30.19'	0700 Clds. 19/10	1300 Clds.	1900 Clds.	
Ppn. -	Liq. in. -	Prev. Dir. NW	3 hr. Tend. +1.0mb	Wx ≡	Wx	Wx
Ppn. -	Sol. in. -	Snow Depth 3 in.	Observer RFM	Vis. 2 mi	Vis.	Vis. 340

36
20 28

60 1921
-7 1904

35

O.D. 30 for date

630 for month

08 = 00

Thursday February 17, 1983 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	38 °F	Dir.	-	Temp.	72	
Min.	31 °F	Vel.	-	Read.	28.84	
Set	31 °F	Char.	CALM	Corr.	28.72	
R. H.	80 %	24 hr. Mov.	96 mi.	Sea L.	30.13	
Ppn.	- in.	Prev. Dir.	S	3 hr. Tend.	-2.0 mb L	
Ppn.	- in.	Snow Depth	2 in.	Observer	RLB	
				0700	1300	1900
				Clds.	Clds.	Clds.
				Wx	Wx	Wx
				Vis.	Vis.	Vis.
				3/10		
				light fog		
				3 mi.		36°

660 total 30 Fa Date

5'05 = 00

Fri Feb 18, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	43 °F	Dir. N	Temp. 72			
Min.	31 °F	Vel. 5 m.p.h.	Read. 28.89"			
Set	33 °F	Char. —	Corr. 28.77"	0700	1300	1900
R. H.	67 %	24 hr. Mov. 140 mi	Sea L. 30.18"	Clds. 4/10	Clds.	Clds.
Ppn.	Liq. — in.	Prev. Dir. West	3 hr. Tend. +00~	Wx —	Wx	Wx
Ppn.	Sol. — in.	Snow Depth 1 in.	Observer RFM	Vis. 20 mi	Vis.	Vis. 35°

Total D.D

688

$\frac{36}{20} > 28$

37 mean

Date

28

67 1981

-9 1979

DD=28

SAT. Feb 19, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	46 °F	Dir.	E	Temp.	72	Clds High Cirrus		
Min.	27 °F	Vel.	8 m.p.h.	Read.	28.90"			
Set	28 °F	Char.	—	Corr.	28.78"			
R. H.	81 %	24 hr. Mov.	49 mi	Sea L.	30.20"	0700	1300	1900
Ppn.	— in.	Prev. Dir.	North	3 hr. Tend.	+1.5mb/	Clds.	Clds.	Clds.
Ppn.	— in.	Snow Depth	T in.	Observer	RFM	Wx	Wx	Wx
				Observer	RFM	Vis.	Vis.	Vis.
						5 mi		3/0

D.D. 716

Date 28

27.1

36.5

37
21

+ 7.5
29

67 1930
-8 1936

20 FEB. 1983, SUNDAY

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	48 °F	Dir. SE	Temp. 70°F	Nittany Mt / Lemont / Tussey Ridge Fog Haze on horizons Additional crud from physical plant obscuring vis.		
Min.	26 °F	Vel. 0 m.p.h.	Read. 29.17"			
Set	27 °F	Char. calm	Corr. 29.06"			
R. H.	81 %	24 hr. Mov. 47 mi.	Sea L. 30.50"	Clds 0/10	Clds.	Clds.
Ppn.	Liq. -	Prev. Dir. S	3 hr. Tend. +2.0mb/	Wx	Wx	Wx
Ppn.	Sol. -	Snow Depth -	Observer GMB	Vis. 13 mi.	Vis.	Vis. 31°

$$\frac{74}{2} = \frac{65 - 37}{28}$$

$$\begin{array}{r} \text{DD } 744 \\ + \cancel{231} \\ \hline 772 \text{ P.D. Total} \end{array}$$

$$\begin{array}{r} \text{P.D. } 716 \\ \hline 28 \\ \hline 744 \end{array}$$

REC. MAX 64 1980

Wrong

SEC. MIN - 2 1968

NOR. MAX 37

NOR. MIN 21

Mon Feb 21, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	50 °F	Dir.	-	Temp.	72°		
Min.	27 °F	Vel.	- m.p.h.	Read.	29.08"		
Set	28 °F	Char.	CALM	Corr.	28.95"		
R. H.	69 %	24 hr. Mov.	99 mi	Sea L.	0700	1300	1900
Ppn.	- in.	Prev. Dir.	SW	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	- in.	Snow Depth	- in.	Observer	0/10		
					Wx	Wx	Wx
					M/≡		
					Vis.	Vis.	Vis.
					20 mi		33°

37
21 > 29

65 1922
- 5 1963

38.5

D. 770 D. 26.

85'08
3038
54.1
56'82

TUES, FEB. 22, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.			
Max.	61 °F	Dir.	SE	Temp.	72 °F	Fog along Mt. Nittany			
Min.	28 °F	Vel.	— m.p.h.	Read.	28.90"				
Set	40 °F	Char.	calm	Corr.	28.78"				
R. H.	77 %	24 hr. Mov.	95 mi.	Sea L.	30.18"	0700	1300	1900	
Clds.	9/10 S.C. B.NOV.C.	Clds.		Clds.					
Ppn.	— in.	Prev. Dir.	SW	3 hr. Tend.	+0.0mb-	Wx	Wx	Wx	
Ppn.	— in.	Snow Depth	— in.	Observer	GMB	Vis.	3 mi	Vis.	41°

$$\frac{98}{2} = \frac{-65}{-49} \\ \underline{\quad\quad} \\ 16$$

$$\frac{770}{16} = \text{D.D. Total} \quad \text{1" long}$$

$$\frac{770}{20}$$

790 total.

REC. MAX 66 1943

REC. MIN -5 1963

NR. MAX 37

NR. MIN 21

Wed. Feb. 23, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	57 °F	Dir. SE	Temp. 72			
Min.	36 °F	Vel. 2 m.p.h.	Read. 28.53			
Set	36 °F	Char. -	Corr. 28.40	0700	1300	1900
R. H.	91 %	24 hr. Mov. 60 mi	Sea L. 29.78	Clds. As 10/10Cs	Clds.	Clds.
Ppn. Liq.	- in.	Prev. Dir. S	3 hr. Tend. -0.3mb✓	Wx ∞	Wx	Wx
Ppn. Sol.	- in.	Snow Depth -	Observer FJG	Vis. 2 mi	Vis.	Vis. 39°

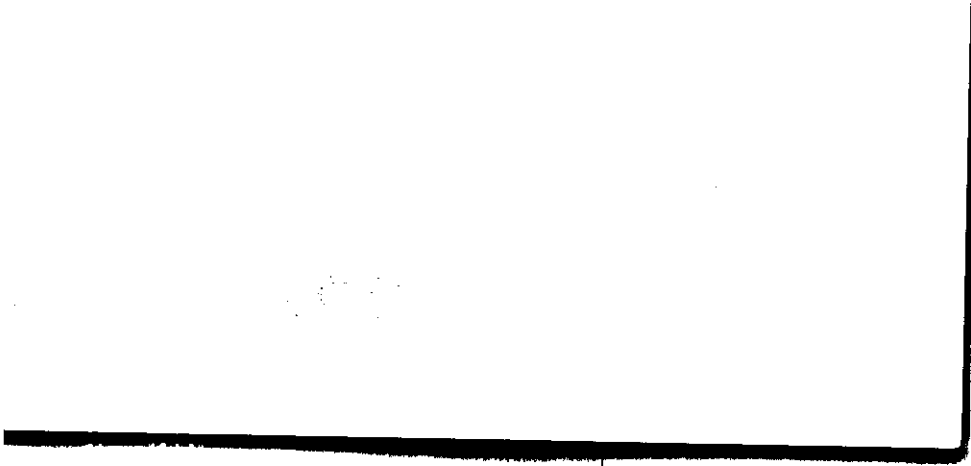
$$T_d = 31^\circ$$

Thursday February 24, 1983 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	52 °F	Dir. NW	Temp. 72			
Min.	33 °F	Vel. 5 m.p.h.	Read. 28.69			
Set	33 °F	Char. -	Corr. 28.57	0700	1300	1900
R. H.	63 %	24 hr. Mov. 101 mi.	Sea L. 29.97	Clds. 9/10	Clds.	Clds.
Ppn.	- in.	Prev. Dir. NW	3 hr. Tend. 4.0 mb ↓	Wx -	Wx	Wx
Ppn.	- in.	Snow Depth -	Observer RLB	Vis. 13 mi.	Vis.	Vis. 34°

$DD_{tot} = 830$



Deg Days

mean 36

D.D. 29

Total 859

Rec

68 1976

-1 1970

Precip

2.27 Liquid

10.4 SNOW

SAT Feb 26, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	30 °F	Dir.	NW	Temp.	72			
Min.	20 °F	Vel.	15 m.p.h.	Read.	28.97"			
Set	22 °F	Char.	Gusty	Corr.	28.84"			
R. H.	63 %	24 hr. Mov.	136 mi	Sea L.	30.28	0700	1300	1900
Ppn.	0.05 in.	Prev. Dir.	North	3 hr. Tend.	+2.5 mb	Clds.	Clds.	Clds.
Ppn.	0.5 in.	Snow Depth	T in.	Observer	RFM	Wx	Wx	Wx
				Vis.	35 mi	Vis.	Vis.	220

25 mean
40 Days

899 0 Days
Total

64'76

-8 134

10.9 SNOW

2.32 Liquid.

39
22 > 30

04=00

899

89 D.D.

888 938 Total D.D.

DD=59

max min Pre Snow Day

FINAL: Deg Days for Feb

D 31

T 969

39
23731

33.5

15.06
E71
88.82

72 1976
0 1980

DD=31.5