

$$T_d = 17^\circ\text{F}$$

$$\zeta = 0.8$$

Sun. January 2, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	40 °F	Dir. SW	Temp. 70	CG		
Min.	23 °F	Vel. 3 m.p.h.	Read. 28.91			
Set	26 °F	Char. -	Corr. 28.79			
R. H.	61 %	24 hr. Mov. 129ML	Sea L. 30.22	0700 Clds. 8/10	1300 Clds.	1900 Clds.
Ppn.	Liq. - in.	Prev. Dir. SW	3 hr. Tend. to 0.0mb-	Wx -	Wx	Wx
Ppn.	Sol. - in.	Snow Depth - in.	Observer FJG	Vis. 20mi	Vis.	Vis. 32

00 = 33.5

Mon. January 3, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	35 °F	Dir.	NW	Temp.	BINOVIC		
Min.	26 °F	Vel.	11 m.p.h.	Read.	28.92		
Set	28 °F	Char.	-	Corr.	28.80		
R. H.	58 %	24 hr. Mov.	142.3	Sea L.	0700	1300	1900
Ppn.	- in.	Prev. Dir.	W	3 hr. Tend.	Clds. ^{Sc} 10/10	Clds.	Clds.
Ppn.	- in.	Snow Depth	- in.	Observer	Wx	Wx	Wx
					Vis.	Vis.	Vis.
					20ml		30°

$$T_d = 13^\circ\text{F}$$

$$DD = 34.8$$

00=39.5

Wed. January 5, 1983 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	34 °F	Dir. SW	Temp. 74	OVERNIGHT LOW ~ 26°F		
Min.	14 °F	Vel. 9 m.p.h.	Read. 29.17			
Set	28 °F	Char. -	Corr. 29.04			
R. H.	77 %	24 hr. Mov. . 136 ml	Sea L. 30.47	0700 Clds. 1/10	1300 Clds.	1900 Clds.
Ppn.	Liq. - in.	Prev. Dir. S	3 hr. Tend. -1.3mb	Wx -	Wx	Wx
Ppn.	Sol. - in.	Snow Depth - in.	Observer FJG	Vis. 20mi	Vis.	Vis. 29°

$$1h = 0Q$$

Thurs. Jan. 6, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	40°F	Dir.	SW	Temp.	72			
Min.	23°F	Vel.	6 m.p.h.	Read.	28.93			
Set	25°F	Char.	-	Corr.	28.81			
R. H.	80%	24 hr. Mov.	87 mi.	Sea L.	30.24	0700	1300	1900
						Clds.	Clds.	Clds.
Ppn.	- in.	Prev. Dir.	SW	3 hr. Tend.	-2.0mbL	3/10		
						Wx	Wx	Wx
Ppn.	- in.	Snow Depth	- in.	Observer	RLB	Vis.	Vis.	Vis.
						15 mi.		32°

UD-33.5

FRI., 7 JAN. 1938

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	38 °F	Dir. SW	Temp. 73 °F			
Min.	24 °F	Vel. 10 m.p.h.	Read. 28.50"			
Set	38 °F	Char.	Corr. 28.38"	0700	1300	1900
R. H.	74 %	24 hr. Mov. 135 mi.	Sea L. 29.75	Clds. 10/10 S.C.	Clds.	Clds.
Ppn.	Liq. — in.	Prev. Dir. SW	3 hr. Tend. -1.7 mb \	Wx	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer GMB	Vis. 12 mi.	Vis.	Vis. 38°

$$T = 41$$

$$T_W = 35$$

$$T_D = 26$$

$$RH = 74\%$$

$$h_s = 90$$

Sat. January 8, 1983 2.2.7 Meteorological Observatory
 University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	45°F	Dir. W	Temp. 71			
Min.	27°F	Vel. 8 m.p.h.	Read. 29.03			
Set	33°F	Char. -	Corr. 28.92			
R. H.	64%	24 hr. Mov. 303 mi.	Sea L. 30.34	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn.	T in.	Prev. Dir. W	3 hr. Tend. +4.0 mb	Wx -	Wx	Wx
Ppn.	T in.	Snow Depth -	Observer RLB	Vis. 15 mi.	Vis.	Vis. 35°

$$b_2 = 11$$

SUN. 9 JAN. 1923

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	35 °F	Dir.	NE	Temp.	70 °F	Frost on cars, grass, golf course.		
Min.	21 °F	Vel.	8 m.p.h.	Read.	29.10"			
Set	24 °F	Char.		Corr.	28.99"			
R. H.	%	24 hr. Mov.	71 mi	Sea L.	30.44"	0700	1300	1900
Ppn.	Liq.	Prev. Dir.	W	3 hr. Tend.	+2mb ✓	Clds.	Clds.	Clds.
Ppn.	Sol.	Snow Depth	- in.	Observer	GMB	Wx	Wx	Wx
				Observer	GMB	Vis.	Vis.	Vis.
						5 mi.		25°

$T_D = 29$

$$\text{Yest. Mean} = \frac{56}{2} = 28^\circ\text{F}$$

Rec. high 62

Rec. low 10

Normal high 34

low 20

$LE = 110$

Mon. January 10, 1927 700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	35 °F	Dir. ESE	Temp. 72			
Min.	24 °F	Vel. 6 m.p.h.	Read. 29.04			
Set	35 °F	Char. -	Corr. 28.91			
R. H.	82 %	24 hr. Mov. 82mi	Sea L. 30.32	0700	1300	1900
Ppn. Liq.	0.07 in.	Prev. Dir. E	3 hr. Tend. +0.0mb	Clds. 10/10	Clds.	Clds.
Ppn. Sol.	0.3 in.	Snow Depth T in.	Observer FIG	Wx 99	Wx	Wx
				Vis. 5mi	Vis.	Vis.

DD = 41.5

TUES. 11 JAN. '88

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	40 °F	Dir. S.N	Temp. 71 °F			
Min.	35 °F	Vel. 10 m.p.h.	Read. 28.40"			
Set	39 °F	Char.	Corr. 28.28"			
R. H.	88 %	24 hr. Mov. 94 mi.	Sea L. 29.65"	0700 Clds. 7/10 S.S.	1300 Clds.	1900 Clds.
Ppn.	Liq. 128 in.	Prev. Dir. SW	3 hr. Tend. -.1 mbv	Wx	Wx	Wx
Ppn.	Sol. in.	Snow Depth in.	Observer GMB	Vis. 5 mi.	Vis.	Vis. 40°

$75 = 37.5 \times 2$ ~~38 Degree Days~~

$$250 + 38 = 388$$

REC. HIGH 57 1913

REC. LOW -7 1982

N.R. H. 34

NO. L. 20

5.22:00

WED., JAN. 12, 1993

0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	40 °F	Dir. W	Temp. 70 °F			
Min.	29 °F	Vel. 9 m.p.h.	Read. 28.55"			
Set	30 °F	Char.	Corr. 28.44"	0700	1300	1900
R. H.	75 %	24 hr. Mov. 210 mi.	Sea L. 29.84"	Clds. 10/10 S.C.	Clds.	Clds.
Ppn.	.01 in.	Prev. Dir. SW	3 hr. Tend. +.1" /	Wx	Wx	Wx
Ppn.	T in.	Snow Depth - in.	Observer GMB	Vis. 3 mi.	Vis.	Vis. 30°

~~69~~ = ~~30~~ Degree Days
388 Degree Days
423 420.5 FOR MONTH

REC. HIGH 68, 1932

REC. LOW -13, 1912

NOR. MAX 34

NOR. MIN 20

S.D.E. = 10

Thurs. January 13, 1983 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.			Wind		Barom.	General Obs.		
Max.	30 °F		Dir.	SW	Temp.	71		
Min.	17 °F		Vel.	3 m.p.h.	Read.	28.96		
Set	17 °F		Char.	—	Corr.	28.85		
R. H.	75 %		24 hr. Mov.	212 mi.	Sea L.	30.31		
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.		Clds.	3/10		
	T in.	W	+1.0 mb ✓		Wx	—		
Ppn.	Sol.	Snow Depth	Observer		Vis.	20 mi.		
	T in.	— in.	RLB		Vis.	19°		

DD=41.5

FRI. 14 JAN. 1893

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	29 °F	Dir. SE	Temp. 72 °F			
Min.	17 °F	Vel. 2 m.p.h.	Read. 28.95"			
Set	28 °F	Char.	Corr. 28.83"			
R. H.	70 %	24 hr. Mov. 83 mi.	Sea L. 30.25"	0700 Clds. 10/10 S.C.	1300 Clds.	1900 Clds.
Ppn.	Liq. T in.	Prev. Dir. W	3 hr. Tend. +1mbV	Wx	Wx	Wx
Ppn.	Sol. T in.	Snow Depth — in.	Observer GMB	Vis. 4 mi.	Vis.	Vis. 30°

$$\frac{16}{2} = 23 \quad \frac{65}{42}$$

$$\begin{array}{r} 462 \\ 42 \\ \hline 504 \end{array}$$

REC HIGH 63, 1932, '52

REC. LOW -4 1957

NOR. HIGH 34

NOR. LOW 20

DD=42

Sat. January 15, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	39 °F	Dir.	72			
Min.	28 °F	Vel.	28.60			
		m.p.h.				
Set	30 °F	Char.	28.48			
		CALM		0700	1300	1900
R. H.	93 %	24 hr. Mov.	29.89	Clds.	Clds.	Clds.
		112 mi.		10/10		
Ppn.	.22 in.	Prev. Dir.	-2.5 mb	Wx	Wx	Wx
		SE		SNOW		
Ppn.	3.8 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		3.8 in.	RLB	1.5 mi.		30°

DD = 31.5

SUN. 16 JUL 1953

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	32 °F	Dir. NW	Temp. 72.0°			
Min.	21 °F	Vel. 15 m.p.h.	Read. 28.58"			
Set	24 °F	Char.	Corr. 28.40"	0700	1300	1900
R. H.	82 %	24 hr. Mov. 104 mi	Sea L. 29.88"	Clds. 10/10 SC	Clds.	Clds.
Ppn.	Liq. .26 in.	Prev. Dir. NW	3 hr. Tend. +1.0 mi	Wx	Wx	Wx
Ppn.	Sol. 2.6 in.	Snow Depth 05 in.	Observer SMB	Vis. 2 mi.	Vis.	Vis. 250

65
- 8
37

Daguer's Trays

28=00

BD=46



TUES. 18 JAN. 1933

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	24 °F	Dir. W	Temp. 70°F			
Min.	12 °F	Vel. 12 m.p.h.	Read. 28.77"			
Set	12 °F	Char. #	Corr. 28.66"			
R. H.	75 %	24 hr. Mov. 197 mi.	Sea L. 30.11"	0700 Clds. 10/10 S.C.	1300 Clds.	1900 Clds.
Ppn.	Liq. T in.	Prev. Dir. W	3 hr. Tend. +1.0mb/	Wx	Wx	Wx
Ppn.	Sol. T in.	Snow Depth 4 in.	Observer GMB	Vis. 2 mi.	Vis.	Vis. 13°

$$\frac{36}{2} = \frac{67}{27}$$

Total D.D. 665

REC. MAX 61 '73
REC. MIN -13 '1904
NOR. MAX 31
NOR. MIN 20

Lh = 00

Wed. Jan. 19, 1982 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	17 °F	Dir. NW	Temp. 67			
Min.	10 °F	Vel. 16 m.p.h.	Read. 29.05			
Set	12 °F	Char. GUSTY	Corr. 28.94	0700	1300	1900
R. H.	71 %	24 hr. Mov. M	Sea L. 30.42	Clds. 9/10	Clds.	Clds.
Ppn. Liq.	T in.	Prev. Dir. NW _{est}	3 hr. Tend. +1.5mb	Wx -	Wx	Wx
Ppn. Sol.	T in.	Snow Depth 3 in.	Observer FJG	Vis. 20mi	Vis.	Vis. 12

706 Renew Date for month

DD = 5.15

Thursday January 20, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	19 °F	Dir. N	Temp. 71			
Min.	2 °F	Vel. 2 m.p.h.	Read. 29.38			
Set	2 °F	Char. -	Corr. 29.27			
R. H.	81 %	24 hr. Mov. 149 mi.	Sea L. 30.80	0700 Clds. 1/10	1300 Clds.	1900 Clds.
Ppn.	Liq. - in.	Prev. Dir. NW	3 hr. Tend. +1.0 mb	Wx -	Wx	Wx
Ppn.	Sol. - in.	Snow Depth 2 in.	Observer RLB	Vis. 20 mi.	Vis.	Vis. 7°

Degree Days for Month: 760

$$545 = DD$$

Fri JAN 21, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	21 °F	Dir.	—	Temp.	70	overnight low ≈ 5 clds sct cirrus		
Min.	2 °F	Vel.	— m.p.h.	Read.	29.28"			
Set	7 °F	Char.	CALM	Corr.	29.16"			
R. H.	78 %	24 hr. Mov.	32 mi	Sea L.	30.62"	0700	1300	1900
Ppn.	— in.	Prev. Dir.	NE	3 hr. Tend.	+0.0 ✓	Clds.	Clds.	Clds.
Ppn.	— in.	Snow Depth	2 in.	Observer	RFM	Wx	Wx	Wx
				Vis.	20 mi	Vis.	Vis.	Vis. 9°

Deg. Days : 813

DD = 53.5

Saturday January 22, 1983 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	36 °F	Dir.	-	Temp.	Overnight Low ~16°F		
				71			
Min.	7 °F	Vel.	-	Read.			
			m.p.h.				
Set	16 °F	Char.	CALM	Corr.	29.07		
R. H.	69 %	24 hr. Mov.	27 mi.	Sea L.	0700	1300	1900
					Clds.	Clds.	Clds.
					4/10		
Ppn.	- in.	Prev. Dir.	NE	3 hr. Tend.	Wx	Wx	Wx
				-1.0mb \	-		
Ppn.	- in.	Snow Depth	2 in.	Observer	Vis.	Vis.	Vis.
				RLB	12 mi.		18°F

Degree Days $\frac{855}{856}$

~~42~~
43

SUN, 23 JAN. '83

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	32 °F	Dir. N	Temp. 72°F	FREEZING RAIN		
Min.	16 °F	Vel. 0 m.p.h.	Read. 28.81"			
Set	30 °F	Char. calm	Corr. 28.69"			
R. H.	94 %	24 hr. Mov. 53 mi.	Sea L. 30.10"	0700 Clds. 10/10 S.C.	1300 Clds.	1900 Clds.
Ppn.	Liq. .13 in.	Prev. Dir. E	3 hr. Tend. -0.5mb	Wx ~	Wx	Wx
Ppn.	Sol. - in.	Snow Depth 1 in.	Observer GMB	Vis. 1 mi.	Vis.	Vis. 30°

$$\frac{49}{2} = \frac{65}{25}$$

41

$$\begin{array}{r} D.D. \quad \cancel{885} \quad 856 \\ \quad \quad \quad 47 \\ \hline \quad \quad \quad \cancel{895} \end{array}$$

897

NOR. H. 34
NOR. L. 20
REC. MAX 63 167
REC. MIN -15 163

Mon. JAN 24, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	36 °F	Dir.	NW	Temp.	Overnight Low 32		
				72			
Min.	30 °F	Vel.	7 m.p.h.	Read.			
Set	32 °F	Char.	—	Corr.	28.52"		
R. H.	78 %	24 hr. Mov.	74 mi	Sea L.	0700	1300	1900
				29.92"	Clds.	Clds.	Clds.
Ppn. Liq.	0.20 in.	Prev. Dir.	W	3 hr. Tend.	9/10		
				+2.0mb/	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth	1 in.	Observer	—		
				RFM	Vis.	Vis.	Vis.
					10 mi		35°

O.D. 928^{Top}. 32 Date.

929

SS
(9) L2 02
hh

TUES, JAN. 25, 1923

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	35 °F	Dir.	SW	Temp.	72 °F	122 Light grappal		
Min.	32 °F	Vel.	10 m.p.h.	Read.	28.74"			
Set	34 °F	Char.		Corr.	28.62"			
R. H.	78 %	24 hr. Mov.	212 mi.	Sea L.	30.02°	0700	1300	1900
Ppn.	T in.	Prev. Dir.	W	3 hr. Tend.	+3mb ✓	Clds. 10/10 S.C.	Clds.	Clds.
Ppn.	T in.	Snow Depth	1 in.	Observer	GWB	Wx	Wx	Wx
				Observer	GWB	Vis.	Vis.	Vis.
						3 mi.		35°

$$\frac{67}{2} = 34 \frac{5}{2}$$

NOV. MAY 34
NOV. MAY 20

REC. MAY 69 '67

REC. MAY 09 '22

929
~~34~~ Day
963 Total

929
31 DAY
960 TOTAL

O.D. = 33 T. 993

Thursday January 27, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	31 °F	Dir. NE	Temp. 73			
Min.	27 °F	Vel. 10 m.p.h.	Read. 29.13			
Set	27 °F	Char. -	Corr. 29.01	0700	1300	1900
R. H.	75 %	24 hr. Mov. 58 mi.	Sea L. 30.44	Clds. 10/10	Clds.	Clds.
Ppn.	Liq. T in.	Prev. Dir. W	3 hr. Tend. 4.0 mb -	Wx -	Wx	Wx
Ppn.	Sol. T in.	Snow Depth 1 in.	Observer RLB	Vis. 8 mi.	Vis.	Vis. 29°

Degree Days 1029

O.P. 36.

Precip 1.17

SNOW 6.7

Fri. JAN 28, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	30 °F	Dir. —	Temp. 72	Smoke AND FOG Reducing Vis.		
Min.	26 °F	Vel. — m.p.h.	Head. 29.05"			
Set	27 °F	Char. CALM	Corr. 28.92"			
R. H.	84 %	24 hr. Mov. 65 mi	Sea L. 30.35"	0700 Clds.	1300 Clds.	1900 Clds.
Ppn.	T in.	Prev. Dir. N	3 hr. Tend. +00 ✓	Wx —	Wx	Wx
Ppn.	T in.	Snow Depth 1 in.	Observer RFM	Vis. 4 mi	Vis.	Vis. 27

Month 1066

D.D= 37

SAT JAN 29, 1983

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	33 °F	Dir.	—	Temp.	SKY 4/10 obscured by SMOKE. Clouds SCT. Cirrus			
Min.	18 °F	Vel.	— m.p.h.	Read.				28.97"
Set	18 °F	Char.	CALM	Corr.				28.84"
R. H.	90 %	24 hr. Mov.	21 mi	Sea L.	30.30"	0700	1300	1900
Ppn.	T in.	Prev. Dir.	SE	3 hr. Tend.	+1.0mb ✓	Clds.	Clds.	Clds.
Ppn.	T in.	Snow Depth	1 in.	Observer	RFM	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						3 mi		20°

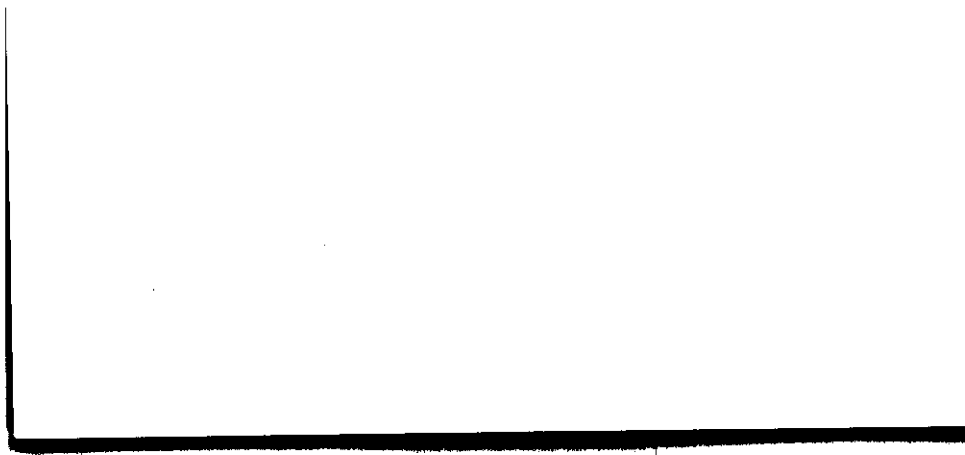
$$T_{00} = 1105 \quad \text{Date}_{00} = 39$$

$$\text{mean } 25.5 \rightarrow 26$$

$$65 \quad 147$$

$$-10 \quad 177$$

11 41 36



D.D 31

1172 Total