

Sunday, 1 February, 2004

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max.	17 °F	Dir. NW	Temp 72.5 °F	SN SH ~ 0430-0510 LT		
Min.	6* °F	Vel. 2 m.p.h.	Read. 29.17 in.			
Set	16 °F	Char. light	Corr. 29.05 in.	* Overnight Low was 14 @ 2100 LT		
R.H.	69 %	24 hr. Mov. — mi.	Sea L. 30.52 in.	Clds. 0700 4/10 Sc, Ac	Clds. 1300	Clds. 1900 0/10 —
Ppn. Liq.	T in.	Prev. Dir. —	3 hr. Tend. /+1.9 mb	Wx SN SH--	Wx	Wx Clear, Calm out to a lovely day
Ppn. Sol.	T in.	Snow Depth 10 in.	Observer AGM	Vis. 25 mi.	Vis.	Vis. 25 mi.

$$T = 12$$

$$HDD = 53$$

$$\Sigma HDD = 53$$

$$T_{DAVIS} = 15.5/9$$

$$T_{LUNY} = 18/7$$

$$T_W = -$$

$$T_D = 8$$

$$\Sigma PCN_L = \text{Trace}$$

$$\Sigma PCN_S = \text{Trace}$$

$$PCNL_{TB} = -$$

$$\Sigma PCNL_{TB} = -$$

Monday, 2 February, 2004 0700 EST

Temp.			Wind	Barom.	General Obs.			
Max.	30 °F	Dir.	N	Temp	SN SN - OBS - 0715 LT Punxsutawney Phil has seen his shadow, 6 more weeks of winter.			
Min.	10 °F	Vel.	0 m.p.h.	Read.				29.28 in.
Set	12 °F	Char.	calm	Corr.				29.15 in.
R.H.	86 %	24 hr. Mov.	— mi.	Sea L.	30.64 in.	0700	1300	1900
Clds.	3/10 Cs, A		Clds.		4/10 ci bt		7/10 st	
Ppn.	T in.	Prev. Dir.	—	3 hr. Tend.	✓ +0.3mb	Wx	Mostly Clear	
Wx	—		Wx		—		—	
Ppn.	T in.	Snow Depth	10 in.	Observer	AGM	Vis.	25 mi.	25 mi.
Sol.	T in.					Vis.	20 mi.	20 mi.

$$\begin{aligned} T &= 20 \\ \text{HDD} &= 45 \\ \Sigma \text{HDD} &= 90 \end{aligned}$$

$$\begin{aligned} T_{\text{DAVIS}} &= 12.5 / 8.5 \\ T_{\text{UNV}} &= 12 / 9 \end{aligned}$$

$$\begin{aligned} T_w &= - \\ T_D &= 9 \end{aligned}$$

$$\begin{aligned} \Sigma \text{PCN}_L &= \text{Trace} \\ \Sigma \text{PCN}_S &= \text{Trace} \end{aligned}$$

$$\begin{aligned} \text{PCNL}_{10} &= - \\ \Sigma \text{PCNL}_{10} &= - \end{aligned}$$

Tuesday February 3, 2001

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	32 °F	Dir.	ESE	Temp	75 °F	-SN 0615 - 0630 +SN 0630 - 0700 PL	
Min.	12 °F	Vel.	7 m.p.h.	Read.	28.92 in.	*ROUR NT LOW - 27	
Set	28 °F	Char.	Steady	Corr.	28.80 in.	0700	1300
R.H.	92 %	24 hr. Mov.	— mi.	Sea L.	30.21 in.	Clds.	10/10 NS
Ppn. Liq.	0.65 in.	Prev. Dir.	—	3 hr. Tend.	2.0 mb	Wx	+SN
Ppn. Sol.	1.1 in.	Snow Depth	11 in.	Observer	JAS	Wx	Overcast
						Vis.	1/4 mi.
						Vis.	1/4 mi.
						Vis.	12 mi.

$$\bar{T} = 22$$

$$HDD = 43$$

$$CDD = 0$$

$$\sum HDD = 141$$

$$\sum PCN_L = 0.15$$

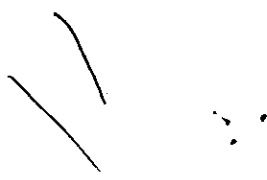
$$\sum PCN_S = 1.1$$

$$T_{unw} = 28/24$$

$$T_{davis} = 27/26$$

$$\text{~~PCN}~~ T_w = -$$

$$T_d = 26$$



$$PCN_{TB} = .24$$
$$\sum PCN_{TB} = 1$$

Wednesday, 4 February, 2004 0700 EST

Temp.			Wind		Barom.		General Obs.		
Max.	Dir.	Temp	OBS-0920LT: SN+/ocnl SN; w/PL OBS-670						
36 °F	WNW	75 °F	0920-1045: SN-						
Min.	Vel.	Read.	1045-1400: SN+/ocnl SN						
27* °F	14 m.p.h.	29.05 in.	1400-1445: SN						
Set	Char.	Corr.	1445-1505: SN-; 1535-1600: SN SH-						
29 °F	Steady	28.92 in.	ocnl SN SH-: 1700-1815, 1930-1950 over			0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.				
77 %	— mi.	30.35 in.	10/10 Sc	8/10 Sc st	3/10 Ci				
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx Overcast	Wx	Wx				
1.13** in.	—	+4.4 mb	Breezy	—	—				
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.				
11.3 in.	20 in.	AGM	17 mi.	20 mi.	25 mi.				



T = 32

#DD = 33

ΣHDD = 174

ΣCDD = 0

ΣPCN_L = 1.28

ΣPCN_S = 12.4

University Park classes
cancelled for 1st time since
President's Day, 2003

* Overnight Low: 29°F

** Record PCN_L for date
Previous 7.07" (1961)

T_{Davis} = 28.5/23

T_{UNV} = 30/21

T_D = 23

T_w = N/A

Additional Observations:

OBS-0730 ~2"

OBS-0800 ~3"

0800-0900 ~2"

1100-1200 ~2"

1200-1300 ~1"

1300-1400 ~1"

OBS-1300LT (18Z) Totals:

0.89" PCN_L

8.5" PCN_S

1300LT-OBS Totals:

0.24" PCN_L

2.8" PCN_S

Storm Totals (from 0615LT previous day)

PCN_L = 1.28"

PCN_S = 12.4" 9.7:1

PCN_S unbroken, 16.5" (1961) holds

PCN_{TB} = M

ΣPCN_{TB} = M

Thursday, February 5, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	33 °F	Dir.	-	Temp	0910-0920 LT - SN		
Min.	19 °F	Vel.	0 m.p.h.	Read.	29.46 in.		
Set	20 °F	Char.	calm	Corr.	0700	1300	1900
R.H.	78 %	24 hr. Mov.	- mi.	Sea L.	Clds.	Clds.	Clds. Ns % 10 St
Ppn.	T in.	Prev. Dir.	-	3 hr. Tend.	Wx	Wx	Wx -SN
Ppn.	T in.	Snow Depth	18 in.	Observer	Vis.	Vis.	Vis. 5 mi.
				SMM	25 mi.	mi.	

$$\bar{T} = 26$$

$$HDD = 39$$

$$CDD = 0$$

$$\Sigma HDD = 203$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 1.28$$

$$\Sigma PCN_B = 12.4$$

$$T_{\text{Davis}} = 22/14$$

$$T_{\text{Univ}} = 19/10$$

$$T_D = 14$$

$$T_W = -$$

$$PCN_{TB} = M$$

$$\Sigma PCN_{TB} = M$$

FRIDAY 6 FEBRUARY 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.		
Max.	31 °F		Dir.	S		Temp	75 °F		EYE LOW 23, TEMP RISE OUT.		
Min.	20 °F		Vel.	10 m.p.h.		Read.	28.92 in.		-SN 1830-2310 LT -PL, OCCL -SN 2310-0100LT -PL 0100-0630LT } OCCL -FZMPPL 0630-085 } PL		
Set	31 °F		Char.	GUSTY		Corr.	28.78 in.		0700	1300	1900
R.H.	92 %		24 hr. Mov.	- mi.		Sea L.	30.19 in.		Clds.	10/10 SL	10/10 SL
Ppn. Liq.	0.86 in.		Prev. Dir.	-		3 hr. Tend.	-3.0 mb		Wx	-FZMPPL RIDGE TOP FB	
Ppn. Sol.	3.1 in.		Snow Depth	20 in.		Observer	WTS		Vis.	5 mi.	10 mi.
									Vis.	10 mi.	3 mi.

$$F = 26$$

$$H_0 = 39$$

$$\Sigma H_0 = 252$$

$$\Sigma PCN_2 = 2.14''$$

$$\Sigma PCN_3 = 15.5''$$

$$T_{\text{bars}} = 31/29$$

$$T_{\text{riv}} = 32/28$$

$$T_0 = 29$$

$$PCN_{90} = 0.47''$$

$$\Sigma PCN_{90} = 11$$

Saturday, February 7, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	- FZRA, OCCL - PL, FZRA 083-0940 LT DL 1930-1915 LT -RA 0130-0130 LT *Overnight Low = 33°			
36 °F	W	75 °F				
Min.	Vel.	Read.				
31° °F	11 m.p.h.	28.54 in.	0700	1300	1900	
Set	Char.	Corr.				
33 °F	Breezy	28.41 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
81 %	- mi.	29.79 in.	9/10 Ac Cn Sc		9/10 Cn As Sc	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.23 in.	-	11.0 mb			SN SH, 20 NE, 25 SW	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
Trace in.	18 in.	BPM	20 mi.		20 NE, 25 SW	

$\varphi = 34^\circ$
HDD = 51
CDD = 0
 $\Sigma HDD = 293$
 $\Sigma CDD = 0$

$T_{Dewts} = 33^\circ/29^\circ$
 $T_{Hum} = 34^\circ/26^\circ$

$T_w = M$
 $T_D = 29^\circ$

$\Sigma PKM = 2.37^\circ$
 $\Sigma PKMS = 15.5^\circ$

$\Sigma PKMTB = 0.15^\circ$
 $\Sigma PKMTB = M$

Sunday, February 8, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 34 °F	Dir. W	Temp 74 °F	0800-0950LT: ocnl. SN SH 1400-1445: SN SH, ocnl SN SH* (1415-1440) 1600-1845: ocnl SN SH* * Top inch of snow pack is slippery crust of sleet and ice, stiff and sharp when broken			
Min. 11 °F	Vel. 3 m.p.h.	Read. 29.18 in.				
Set 11 °F	Char. Steady	Corr. 29.06 in.	0700	1300	1900	
R.H. 73 %	24 hr. Mov. — mi.	Sea L. 30.55 in.	Clds. $\frac{0}{10}$	Clds. $\frac{0}{10}$	Clds. $\frac{0}{10}$	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. /+4.0 mb	Wx Clear & Cold	Wx	Wx End to a gorgeous day	
Ppn. Sol. T in.	Snow Depth 17* in.	Observer AGM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\begin{aligned}T &= 23 \\HDD &= 42 \\ \Sigma HDD &= 325 \\ \Sigma CDD &= 0\end{aligned}$$

$$\begin{aligned}T_{DAVIS} &= 11.5/4.5 \\ T_{UNV} &= 12/1\end{aligned}$$

$$\begin{aligned}T_W &= N/A \\ T_D &= 4\end{aligned}$$

$$\begin{aligned}\Sigma PCN_L &= 2.37 \\ \Sigma PCN_S &= 15.5\end{aligned}$$

$$\begin{aligned}PCN_{TB} &= M \\ \Sigma PCN_{TB} &= M\end{aligned}$$

Monday, February 9, 2004

0700 EST

Temp.			Wind		Barom.		General Obs.			
Max.	29 °F	Dir.	—	Temp	74 °F					
Min.	10 °F	Vel.	0 m.p.h.	Read.	29.12 in.					
Set	11 °F	Char.	Calm	Corr.	29.00 in.	0700	1300	1900		
R.H.	80 %	24 hr. Mov.	— mi.	Sea L.	30.49 in.	Clds. Cs 1/10 on Northern horizons	Clds. Sc 7/10 St	Clds. St 6/10		
Ppn. Liq.	0.00 in.	Prev. Dir.	—	3 hr. Tend.	-1.1 mb	Wx Nice sunrise over Tussey Mt.	Wx —	Wx —		
Ppn. Sol.	0.0 in.	Snow Depth	17 in.	Observer	AGM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.		

$T = 20$
 $HDD = 45$
 $\Sigma HDD = 370$
 $\Sigma CDD = 0$

$T_{DAVIS} = 14.5/7$
 $T_{UNV} = 14/5$

$T_w =$
 $T_D =$

$\Sigma PCN_i = 2.37$
 $\Sigma PCN_y = 15.5$

$PCN_{TB} =$
 $\Sigma PCN_{TB} =$

Tuesday February 10, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 39 °F	Dir. wnw	Temp 75 °F	* OVR NT low - 33			
Min. 11.2* °F	Vel. 10 m.p.h.	Read. 28.88 in.				
Set 33 °F	Char. breezy	Corr. 28.76 in.	0700	1300	1900	
R.H. 72 %	24 hr. Mov. - mi.	Sea L. 30.15 in.	Clds. 5/10 SC	Clds.	Clds. 3/10 Cu	
Ppn. Liq. - in.	Prev. Dir.	3 hr. Tend. 1.0 mb	Wx -	Wx	Wx Fair	
Ppn. Sol. - in.	Snow Depth 1.7 in.	Observer JAS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.	

$$\bar{T} = 25$$

$$CND = 0$$

$$HND = 40$$

$$\sum CND = 0$$

$$\sum HND = 410$$

$$\sum PCNL = 2.37$$

$$\sum PCNS = 15.5$$

$$T_{duis} = 33/24$$

$$T_{uv} = 34/19$$

$$T_w = 11$$

$$T_u = 24$$

$$PCN_{TB} = 11$$

$$\sum PCN_{TB} = 11$$

Wednesday, 11 February, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 41 °F	Dir. WNW	Temp 75 °F		2200-0150LT ocnl SN SH- 0520-085 ocnl SN SH-		
Min. 24 °F	Vel. 3 m.p.h.	Read. 20.92 in.				
Set 24 °F	Char. steady	Corr. 20.79 in.		0700	1300	1900
R.H. 76 %	24 hr. Mov. — mi.	Sea L. 30.13 in.	Clds. 18 Sc	Clds.	Clds. 2/10 Ci	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. +2.3 mb	Wx - Sn	Wx	Wx —	
Ppn. Sol. 0.1 in.	Snow Depth 16 in.	Observer AGM	Vis. 7 mi.	Vis. mi.	Vis. 25 mi.	

$$\begin{aligned}\bar{T} &= 33 \\ \text{HDD} &= 32 \\ \Sigma \text{HDD} &= 442 \\ \Sigma \text{CDD} &= 0\end{aligned}$$

$$\begin{aligned}T_{\text{DAYS}} &= 23.5/18 \\ T_{\text{WY}} &= 25/14\end{aligned}$$

$$\begin{aligned}T_{\text{W}} &= 1/18 \\ T_{\text{D}} &= 18\end{aligned}$$

$$\begin{aligned}\Sigma \text{PCN}_L &= 2.38'' \\ \Sigma \text{PCN}_S &= 15.6''\end{aligned}$$

$$\begin{aligned}\text{PCN}_{\text{TB}} &= M \\ \Sigma \text{PCN}_{\text{TB}} &= M\end{aligned}$$

Thursday, February 12, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 33 °F	Dir. —	Temp 75 °F		OBS - 720 LT - SN 745-915 LT - SN		
Min. 20 °F	Vel. 0 m.p.h.	Read. 29.44 in.				
Set 21 °F	Char. calm	Corr. 29.30 in.	0700	1300	1900	
R.H. 74 %	24 hr. Mov. — mi.	Sea L. 30.77 in.	Clds. 1/10 Ci	Clds.	Clds. 1/10 Ci, SC	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. 1-05 mb	Wx	Wx	Wx —	
Ppn. Sol. T in.	Snow Depth 15 in.	Observer SMM	Vis. 20 mi.	Vis. mi.	Vis. 15 mi.	

$\bar{T} = 27$
 $HDD = 38$
 $\Sigma HDD = 480$
 $\Sigma CDP = 0$

$\bar{T}_{DAVIS} = 21/14$
 $\bar{T}_{unv} = 19/12$

$\bar{T}_w = -$
 $T_D = 14$

$\Sigma PCN_L = 2.38''$
 $\Sigma PCN_S = 15.6''$

$PCN_{TB} = M$
 $\Sigma PCN_{TB} = M$

Friday, February 13, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 42 °F	Dir. W	Temp 76 °F	* ovnt low 27 06:30-06:45 LT - SHSN			
Min. 21 °F	Vel. 15 m.p.h.	Read. 28.90 in.				
Set 27* °F	Char. gusty	Corr. 28.77 in.	0700	1300	1900	
R.H. 71 %	24 hr. Mov. — mi.	Sea L. 30.15 in.	Clds. 10/10 Sc	Clds. 6/10 Sc 6/10 CI	Clds. 0/10 CLR	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +0.5 mb	Wx —	Wx —	Wx —	
Ppn. Sol. T in.	Snow Depth 15 in.	Observer SGH	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\dot{T} = 32$
 $+HDD = 33$
 $\Sigma +HDD = 513$
 $\Sigma CDD = 0$
 $\Sigma PCN_L = 2.38''$
 $\Sigma PCN_S = 15.6''$

$T_{Davis} = 27/19$
 $T_{UNV} = 28/17$

$T_w = \text{—}$
 $T_o = 19$

$PCN_{TB} = M$
 $\Sigma PCN_{TB} = M$

Saturday, February 14, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	34 °F	Dir. WSW	Temp 75 °F	--SHSN 0710 - 0725 LT - SHSN 0840 - 0920 LT		
Min.	24 °F	Vel. 8 m.p.h.	Read. 28.8 in.			
Set	24 °F	Char. Breezy	Corr. 28.68 in.	0700	1300	1900
R.H.	72 %	24 hr. Mov. - mi.	Sea L. 30.11 in.	Clds. C, 6/10 ASAL	Clds.	Clds. 7 C, A, S 10 A
Ppn. Liq.	Trace in.	Prev. Dir. -	3 hr. Tend. 0.5 mb	Wx	Wx	Wx Fair
Ppn. Sol.	Trace in.	Snow Depth 1/5 in.	Observer BPM	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 29^\circ$
HDD = 36
CDD = 0
 Σ HDD = 549
 Σ CDD = 0

$T_{\text{Davis}} = 25^\circ/17^\circ$
 $T_{\text{UNV}} =$

$T_w = \text{N/A}$
 $T_D = 17^\circ$

Σ PCNL = 2.38"
 Σ PCNS = 15.6"

PCNCTB = M
 Σ PCNCTB = M

Sunday, February 15, 2004 0700 EST

Temp.			Wind	Barom.	General Obs.			
Max.	Dir.	Temp	Cold fro pa ~ 0130 LT, no pressure drop preceding, noticeable pressure rise in wake					
36 °F	N	74 °F						
Min.	Vel.	Read.						
18 °F	8G12 m.p.h.	28.96 in.	Set	Char.	Corr.	0700	1300	1900
18 °F	Gusty	28.84 in.	R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
59 %	— mi.	30.29 in.	1/10 Cs over Toms ridge	0/10	0/10	0/10		
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx			
0.00 in.	—	+3.9 / mb	Clear	Clear	Clear			
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.			
0.0 in.	15 in.	AGM	25 mi.	25 mi.	25 mi.			

Wx
Gorgeous sunset

$$\bar{T} = 27$$

$$HDD = 38$$

$$\Sigma HDD = 587$$

$$\Sigma CDD = 0$$

$$T_{DAVIS} = 20/7$$

$$T_{UMV} = 18/3$$

$$T_w = -$$

$$T_0 = 6$$

$$\Sigma PCN_L = 2.38''$$

$$\Sigma PCN_S = 15.6''$$

$$PCN_{TB} = M$$

$$\Sigma PCN_{TB} = M$$

Monday, February 16, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.				
Max.			Dir.			Temp							
25	°F		ENE			74	°F						
Min.			Vel.			Read.							
7	°F		4	m.p.h.		29.31	in.						
Set			Char.			Corr.							
7	°F		steady			29.19	in.	0700	1300	1900			
R.H.			24 hr. Mov.			Sea L.		Clds.					
63	%		—	mi.		30.70	in.	0/10	0/10	0/10			
Ppn.	Liq.		Prev. Dir.			3 hr. Tend.		Wx					
0.00	in.		—			+2.8	mb	Clear					
Ppn.	Sol.		Snow Depth			Observer		Vis.					
0.0	in.		14	in.		AGM		25	mi.	25	mi.	25	mi.



$$\begin{aligned}T &= 16 \\HDD &= 49 \\ \Sigma HDD &= 636 \\ \Sigma CDD &= 0\end{aligned}$$

$$\begin{aligned}T_{DAVIS} &= 8 / -2.5 \\ T_{UNV} &= 7 / -4\end{aligned}$$

$$\begin{aligned}T_w &= - \\ T_D &= -3\end{aligned}$$

$$\begin{aligned}\Sigma PCN_L &= 2.38 \\ \Sigma PCN_S &= 15.6\end{aligned}$$

$$\begin{aligned}PCN_{TB} &= M \\ \Sigma PCN_{TB} &= M\end{aligned}$$

Tuesday, February 17, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	25 °F	Dir.	—	Temp	*OUR NT LOW - 12		
				74 °F			
Min.	7* °F	Vel.	0 m.p.h.	Read.			
				29.28 in.			
Set	13 °F	Char.	calm	Corr.	0700	1300	1900
				29.16 in.			
R.H.	33 %	24 hr. Mov.	— mi.	Sea L.	Clds. ci	Clds.	Clds. As, St
				30.65 in.	7/10 St		10/10 St
Ppn. Liq.	0.00 in.	Prev. Dir.	—	3 hr. Tend.	Wx	Wx	Wx
				10.5 mb	—		—
Ppn. Sol.	0.00 in.	Snow Depth	— in.	Observer	Vis.	Vis.	Vis.
			14 in.	JAS	25 mi.	mi.	25 mi.

$$\bar{T} = 16$$

$$C_{100} = 0$$

$$H_{100} = 49$$

$$\Sigma C_{100} = 0$$

$$\Sigma H_{100} = 685$$

$$\Sigma PCN_L = 2.38$$

$$\Sigma PCN_S = 15.6$$

$$T_{down} = 14/4$$

$$T_{up} = 14/0$$

$$T_w = 1$$

$$T_d = 4$$

$$PCN_{TB} = 1$$

$$\Sigma PCN_{TB} = 1$$

Wednesday, February 18, 2004 0700 EST

Temp.			Wind		Barom.	General Obs.			
Max.	32 °F		Dir.	ESE		Temp	74 °F		
Min.	13 °F		Vel.	3 m.p.h.		Read.	29.10 in.		
Set	13 °F		Char.	Steady		Corr.	28.98 in.		
R.H.	88 %		24 hr. Mov.	— mi.		Sea L.	30.46 in.		
Ppn. Liq.	0.00 in.		Prev. Dir.	—		3 hr. Tend.	-0.9 mb		
Ppn. Sol.	0.0 in.		Snow Depth	14 in.		Observer	AGM		
						0700	1300	1900	
						Clds.	Clds. c:	Clds. C ₂	
						0/10	5/10 55	5/10 63	
						Wx	Wx	Wx	
						Cold & Clear	—	—	
						Vis.	Vis.	Vis.	
						25 mi.	25 mi.	25 mi.	

Deepening Low Pressure off of Mid-Atlantic cause of steady pressure drop part 18 hours before obs.



$$\begin{aligned}T &= 23 \\HDD &= 42 \\ \Sigma HDD &= 727 \\ \Sigma CDD &= 0\end{aligned}$$

$$\begin{aligned}T_{DAYS} &= 16/11 \\ T_{UNV} &= 14/9\end{aligned}$$

$$\begin{aligned}T_w &= - \\ T_o &= 10\end{aligned}$$

$$\begin{aligned}\Sigma PCN_1 &= 2.38 \\ \Sigma PCN_2 &= 15.6\end{aligned}$$

$$\begin{aligned}PCN_{10} &= M \\ \Sigma PCN_{10} &= M\end{aligned}$$

$$\bar{T} = 26$$

$$HDD = 39$$

$$\sum HDD = 766$$

$$\sum CPD = 0$$

$$T_{davis} \quad 37|26$$

$$T_{unv} \quad 37|23$$

$$T_w = -$$

$$T_0 = 26$$

$$\sum PCNL = 2.38$$

$$\sum PCNS = 15.6$$

Friday, February 20, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 45 °F		Dir. —	Temp 76 °F			
Min. 30 °F		Vel. — m.p.h.	Read. 28.74 in.			
Set 31 °F		Char. Calm	Corr. 28.61 in.	0700	1300	1900
R.H. 88 %		24 hr. Mov. — mi.	Sea L. 30.02 in.	Clds. Cu 10/10 Ae	Clds.	Clds. ST 9/10
Ppn. Liq. — in.		Prev. Dir. —	3 hr. Tend. 1-1.0 mb	Wx HZ	Wx	Wx HZ
Ppn. Sol. — in.		Snow Depth 13 in.	Observer SGH	Vis. 10 mi.	Vis. mi.	Vis. 5 mi.

$$\bar{T} = 38$$

$$HDD = 27$$

$$\Sigma HDD = 793$$

$$T_{Dewis} = 32/28$$

$$T_{WUV} = 32/27$$

$$T_w = -$$

$$T_o = 28$$

$$\Sigma PCNL = 2.38''$$

$$\Sigma PCNS = 15.6''$$

Saturday, February 21, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 48 °F	Dir. WSW	Temp 76 °F	-RA 2240-0100LT -RA 0630-0635LT -SG 0635-085 LT *Overnight Low*38*			
Min. 31* °F	Vel. 12 m.p.h.	Read. 28.43 in.				
Set 38 °F	Char. Windy	Corr. 28.29 in.				
R.H. 76 %	24 hr. Mov. — mi.	Sea L. 27.66 in.	Clds. 10/10 Sc	Clds.	Clds.	
Ppn. Liq. 0.03 in.	Prev. Dir. —	3 hr. Tend. 12.0 mb	Wx -SG	Wx	Wx Wind -SN 21%	
Ppn. Sol. Trace in.	Snow Depth 12 in.	Observer BPM	Vis. 5 mi.	Vis.	Vis. 7 mi.	

$\bar{T} = 40^\circ$
HDD = 25
CDD = 0
 $\Sigma HDD = 818$
 $\Sigma CDD = 0$

$T_{max} = 37^\circ/32^\circ$
 $T_{min} = 37^\circ/29^\circ$

$T_w = 35^\circ$
 $T_b = 31^\circ$

$\Sigma PCML = 2.41''$
 $\Sigma PCMS = 15.6''$

PCMCB = M
 $\Sigma PCMCB = M$



Sunday, 22 February, 2004 0700 EST

Temp.		Wthd	Barom.	General Obs.		
Max.	39 °F	Dir. WNW	Temp 76 °F	085-0745 -SG/-RN 0850-1050 0CNL -SG/-RN/-SN 1050-1115 -SN 1300-1700 0CNL -SN 1730-2020 -SN		
Min.	31 °F	Vel. 12619 m.p.h.	Read. 28.88 in.	2200-2245 -SN All times LT		
Set	31 °F	Char. Gusty	Corr. 28.75 in.	0700	1300	1900
R.H.	69 %	24 hr. Mov. — mi.	Sea L. 30.16 in.	Clds. $\frac{10}{10}$ Sc	Clds. $\frac{4}{10}$ Cu	Clds. $\frac{2}{10}$ Cs
Ppn. Liq.	0.02 in.	Prev. Dir. —	3 hr. Tend. /+2.0 mb	Wx Blustery	Wx Quite nice	Wx Fair
Ppn. Sol.	T in.	Snow Depth 9 ⁺ in.	Observer AGM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 35$
HDD = 30
CDD = 0
 Σ HDD = 848
 Σ CDD = 0

$T_{DAVIS} = 31/22$
 $T_{UNV} = 32/19$

$T_w = -$
 $T_D = 22$

$\Sigma PCN_L = 2.43''$
 $\Sigma PCN_S = 15.6''$

† - End of 25-consecutive day streak of snow depth of 10" or more. Streak ran from 1/28/04 (~13") following 5.3" snowfall to 2/21/04 (~12").

$PCNTB_L = M^*$

$\Sigma PCNTB_L = M$

* High winds from previous 24-hr before OBS had pushed TB to 1.01".

Highest Gust was 42 mph

Monday, 23 February, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	39 °F	Dir.	Temp	Seasonal Weather		
	—		74.5 °F			
Min.	22 °F	Vel.	Read.			
	—	0 m.p.h.	29.08 in.			
Set	22 °F	Char.	Corr.	0700	1300	1900
	—	calm	28.96 in.			
R.H.	84 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
	—	— mi.	30.41 in.	$\frac{3}{10}$ A _s , C _s , A _s	$\frac{10}{10}$ A _c , A _s	$\frac{10}{10}$ C _s , A _s , A _c
Ppn. Liq.	0.00 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
	—	—	+0.3 mb	Fair	Mid-level overcast	Overcast
Ppn. Sol.	0.0 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
	—	9 in.	AGM	25 mi.	25 mi.	25 mi.

$$\begin{aligned} \bar{T} &= 31 \\ \text{HDD} &= 34 \\ \Sigma \text{HDD} &= 882 \\ \Sigma \text{CDD} &= 0 \end{aligned}$$

$$\begin{aligned} T_{\text{DAVIS}} &= 23/18 \\ T_{\text{UNV}} &= 23/16 \end{aligned}$$

$$\begin{aligned} T_w &= - \\ T_D &= 18 \end{aligned}$$

$$\begin{aligned} \Sigma \text{PCN}_L &= 2.43'' \\ \Sigma \text{PCN}_S &= 15.6'' \end{aligned}$$

$$\begin{aligned} \text{PCNTB}_L &= 0.00'' \\ \Sigma \text{PCNTB}_L &= M \end{aligned}$$

Tuesday, 24 February, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F	Dir. ENE		Temp 75.5 °F	0530LT-OBS: -SN		
Min. 20* °F	Vel. 2 m.p.h.	Read. 28.86 in.				
Set 30 °F	Char. steady	Corr. 28.73 in.				
			*overnight low 30			
			0700	1300	1900	
R.H. 88 %	24 hr. Mov. — mi.	Sea L. 30.14 in.	Clds. $\frac{10}{10}$ Sc, Nb, St	Clds. $\frac{10}{10}$ St, Nb	Clds. $\frac{1}{10}$ Ci	
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. -0.4 mb	Wx -SN	Wx -SN	Wx Clearing Rapidly	
Ppn. Sol. 0.2 in.	Snow Depth 8 in.	Observer AGM	Vis. 2.5 mi.	Vis. 5.0 mi.	Vis. 25 mi.	

$T = 29$
 $HDD = 36$
 $\Sigma HDD = 910$
 $\Sigma ODD = 0$

$T_{DAVIS} = 30/26.5$
 $T_{UNY} = 30/27$

$T_w = -$
 $T_D = 27$

$\Sigma PCN_1 = 2.45''$
 $\Sigma PCN_2 = 15.8''$

$PCNTBL = M$
 $\Sigma PCNTBL = M/A$

Wednesday, 25 February, 2009 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 34 °F	Dir. NNE	Temp 75 °F	OBS-1710LT: SN; ocnl SN 1030-1130LT Accumulation OBS-1200LT ~ 1.3"		
Min. 20 °F	Vel. 4 m.p.h.	Read. 29.03 in.			
Set 22 °F	Char. steady	Corr. 28.90 in.			
			0700	1300	1900
R.H. 71 %	24 hr. Mov. — mi.	Sea L. 30.35 in.	Clds. 0/10	Clds. 0/10	Clds. 0/10
Ppn. Liq. 0.17 in.	Prev. Dir. —	3 hr. Tend. +1.0 mb	Wx clear	Wx —	Wx —
Ppn. Sol. 1.5 in.	Snow Depth 9 in.	Observer AGM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$$\begin{aligned}\bar{T} &= 27 \\ HDD &= 38 \\ \Sigma HDD &= 954 \\ \Sigma CDD &= 0\end{aligned}$$

$$\begin{aligned}T_{DAVIS} &= 24/15 \\ T_{WY} &= 21/10\end{aligned}$$

$$\begin{aligned}T_w &= - \\ T_D &= 14\end{aligned}$$

$$\begin{aligned}\Sigma PCN_L &= 2.62'' \\ \Sigma PCN_S &= 17.3''\end{aligned}$$

$$\begin{aligned}PCNTB_L &= 0.01 \\ \Sigma PCNTB_L &= 1/4\end{aligned}$$



Thursday, February 26, 2004
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	39 °F	Dir.	—	Temp	75 °F			
Min.	17 °F	Vel.	0 m.p.h.	Read.	29.23 in.			
Set	17 °F	Char.	calm	Corr.	29.10 in.	0700	1300	1900
R.H.	87 %	24 hr. Mov.	— mi.	Sea L.	30.58 in.	Clds.		Clds.
Ppn. Liq.	0.00 in.	Prev. Dir.	—	3 hr. Tend.	11.0 mb	Wx		Wx
Ppn. Sol.	0.00 in.	Snow Depth	9 in.	Observer	SMM	Vis.	25 mi.	Vis.
								25 mi.



$$\bar{T} = 28$$

$$HDD = 37$$

$$\Sigma HDD = 991$$

$$\Sigma CDD = 0$$

$$T_{davis} = 18/13$$

$$T_{unv} = 17/14$$

$$T_w = -$$

$$T_d = 14$$

$$\Sigma PCN_c = 2.62$$

$$\Sigma PCN_s = 17.3''$$

$$PCNTB_c = 0.00$$

$$\Sigma PCNTB_c = N/A$$

Friday, February 27, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F	Dir. —	Temp 76 °F	* ovnt low 24			
Min. * 16 °F	Vel. — m.p.h.	Read. 29.17 in.				
Set 24 °F	Char. calm	Corr. 29.04 in.				
			0700	1300	1900	
R.H. 58 %	24 hr. Mov. — mi.	Sea L. 30.49 in.	Clds. Ci 6/10 Cu	Clds. Ci 1/10 Ci	Clds. 0/10 CLR	
Ppn. Liq. — in.	Prev. Dir. —	3 hr. Tend. +1.0 mb	Wx —	Wx —	Wx	
Ppn. Sol. — in.	Snow Depth 9 in.	Observer SGH	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\bar{T} = 27$
 $HDD = 38$
 $\Sigma HDD = 1029$

$T_{Davis} = 26/11$
 $T_{unv} = 24/10$

$T_w = -$
 $T_o = 11$

$\Sigma PCN_L = 2.62$
 $\Sigma PCN_S = 17.3''$

$PCN_{TB} = M$
 $\Sigma PCN_{TB} = M$

Saturday, February 28, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp				
44 °F	WSW	76 °F				
Min.	Vel.	Read.				
21 °F	2 m.p.h.	29.23 in.				
Set	Char.	Corr.				
22 °F	Light	29.09 in.				
			0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
62 %	— mi.	30.54 in.	2/10 Ci		1/10 Ci	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.00 in.	—	10.2 mb	Contrails		Contrails	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	9 in.	BPM	25 mi.	25 mi.	25 mi.	

$$\bar{T} = 33^\circ$$

$$HDD = 32$$

$$CDD = 0$$

$$\Sigma HDD = 1063$$

$$\Sigma CDD = 0$$

$$\Sigma PCNL = 2.62''$$

$$\Sigma PCNS = 17.3''$$

$$T_{Davis} = 26/15^\circ$$

$$T_{UNV} = 21/14^\circ$$

$$T_w = N/A$$

$$T_D = 15^\circ$$

$$PCNLB = M$$

$$\Sigma PCNLB = M$$

Sunday, February 29, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	54 [†] °F	Dir. M	Temp 75.5 °F	* OVERNIGHT LOW - 30 † Warmest reading since 1/4/2004 (59°)		
Min.	22* °F	Vel. 1 m.p.h.	Read. 29.14 in.			
Set	30 °F	Char. light	Corr. 29.01 in.			
R.H.	69 %	24 hr. Mov. — mi.	Sea L. 30.44 in.	0700 Clds. 7/10 Ci, Ac	1300 Clds. Cs, 10/10 As	1900 Clds. 10/10 Cs, As
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. ^+0.2 mb	Wx contrasts strengthening v. long lengths	Wx balmy	Wx fair
Ppn. Sol.	0.0 in.	Snow Depth 7 in.	Observer AGM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$$\bar{T} = 38$$

$$HDD = 27$$

$$CDD = 0$$

$$\Sigma HDD = 1090$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 2.62''$$

$$\Sigma PCN_S = 17.3''$$

$$T_{DAVIS} = M/M$$

$$T_{UNV} = 32/19$$

$$T_w = -$$

$$T_D = 21$$

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REMS

$$\bar{T}_{MAX} = 35.9$$

$$\bar{T}_{MIN} = 18.4$$

$$\bar{T}_{REB} = 27.17^{\circ}F$$

$$PCN_{TB} = 0$$

$$\Sigma PCN_{TB} = N/A$$