

Thursday, January 1, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.						
Max.	50 °F	Dir.	NW	Temp	OVERNIGHT LOW 33°						
Min.	29 °F	Vel.	4 m.p.h.	76 °F							
Set	33 °F	Char.	-	Read.				29.14 in.			
R.H.	64 %	24 hr. Mov.	- mi.	Sea L.	30.43 in.	0700	1300	1900			
Ppn.	0 in.	Prev. Dir.	-	3 hr. Tend.	+1.8 mb	Clds.	0/10	Clds.	5/10 Ci	Clds.	5/10 Cs As
Ppn.	0 in.	Snow Depth	0 in.	Observer	FJG	Wx	Contails	Wx	Wx	Wx	Wx
						Vis.	25 mi.	Vis.	25 mi.	Vis.	25 mi.

$\bar{T} = 40$
HDD = 25
CDD = 0
 $\Sigma HDD = 25$
 $\Sigma CDD = 0$
 $\Sigma PCNL = 00$

$T_{DAVIS} = 33^\circ$
 $T_{UNV} =$

$T_D = 22$

Friday, January 2, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp				
45 °F	NNW	73 °F		-PLSNRA	2155-2210LT	
				-PLRA	2315-2320LT	
Min.	Vel.	Read.				
33 °F	2 m.p.h.	28.93 in.		-PLRA	0015-0030LT	
				-PLRA	0435-0110LT	
Set	Char.	Corr.				
36 °F	Light	28.80 in.		-RA	0130-0550LT	
				-DZ	0630-085 LT	
				0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
100 %	- mi.	30.20 in.	10/10 St	10/10 St	10/10 St	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.19 in.	-	1.0 mb	-DZ F6	Fog	Fog	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
T in.	0 in.	BPM	1 mi.	1 mi.	1 mi.	

$$\bar{T} = 39^\circ$$

$$HDD = 26$$

$$CDD = 0$$

$$\Sigma HDD = 51$$

$$\Sigma CDD = 0$$

$$T_{wet} = 36^\circ$$

$$T_{Dewts} = 35^\circ$$

$$T_w = 36^\circ$$

$$T_D = 36^\circ$$

$$PCNLTB = 0.19'$$

$$\Sigma PCNLTB = 1$$

$$\Sigma PCNLTB = 0.19'$$

Saturday, January 3, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 51 °F		Dir. SW	Temp 74° °F	-DL 065-0720LT -RA 2315-2350LT -RA 0005-0055LT -SHRA 0120-0140LT -SHRA 0400-0405LT Overnight Low = 42°		
Min. 36° °F		Vel. 3 m.p.h.	Read. 28.74 in.			
Set 51 °F		Char. Light	Corr. 28.61 in.			
R.H. 100 %		24 hr. Mov. — mi.	Sea L. 29.96 in.	Clds. 10/10 Sc	Clds.	Clds.
Ppn. Liq. 0.11 in.		Prev. Dir. —	3 hr. Tend. 10.5 mb	Wx Fog	Wx	Wx
Ppn. Sol. 0.0 in.		Snow Depth 0 in.	Observer BPM	Vis. 6 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 44^\circ$
HDD = 21
CDD = 0
 $\Sigma HDD = 72$
 $\Sigma CDD = 0$

$T_{max} = 51^\circ$
 $T_{min} = 48^\circ$

$T_a = 51^\circ$
 $T_b = 51^\circ$

$\Sigma RM = 0.30''$
 $\Sigma PWS = T$

*SUNDAY 4 JANUARY 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 59 °F	Dir. NE	Temp 72 °F	* OB TAKEN AT 1300 LT TST FROM JAVIS / TARM 06 LAM NT. RAIN FROM JAVIS EXTRAP. ** FROM 12 Z; BAR 06 LAM OCEL -22, -RA 1200 - OBS +RA 2100 - 2130			
Min. 48 °F	Vel. 5 m.p.h.	Read. 28.78 in.				
Set 48 °F	Char. STEADY	Corr. 28.65 in.		0700	1300	1900
R.H. 96 %	24 hr. Mov. - mi.	Sea L. 30.04 in.	Clds. 10/10 NS	Clds. 10/10 NS	Clds. 10/10 NS	
Ppn. Liq. 0.25 in.	Prev. Dir. -	3 hr. Tend. +0.5 ** mb	Wx -RA	Wx -RA	Wx RA	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer WJS	Vis. 5 mi.	Vis. 5 mi.	Vis. 5 mi.	

$$\begin{aligned}\bar{T} &= 54 \\ H_{20} &= 11 \\ \Sigma H_{20} &= 83 \\ \Sigma PCN_L &= 0.55 \\ \Sigma PCN_S &= T\end{aligned}$$

$$\begin{aligned}T_{Davis} &= 47/46 \\ T_{UM} &= 46/43\end{aligned}$$

$$\begin{aligned}T_W &= 11 \\ T_D &= 46\end{aligned}$$

Monday 5 Jan 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 48 °F	Dir. SW	Temp 72 °F	obs-obs -RA, RA, owl			
Min. 33 °F	Vel. 3 m.p.h.	Read. 28.60 in.	*record daily precip old record .72" 1949			
Set 35 °F	Char. light	Corr. 28.47 in.	0700	1300	1900	
R.H. 96 %	24 hr. Mov. — mi.	Sea L. 30.86 in.	Clds. St, Ns 10/10	Clds. Sc 10/10	Clds. Sc 10/10	
Ppn. Liq. 1.36* in.	Prev. Dir. —	3 hr. Tend. -0.5 mb	Wx RA	Wx —	Wx —	
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 4 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\bar{T} = 41$$

$$HDD = 24$$

$$CDD = 0$$

$$\sum HDD = 107$$

$$\sum CDD = 0$$

$$\sum PCN_L = 1.91$$

$$\sum PCN_S = T$$

$$T_{Davis} = 35/35$$

$$T_{unv} = 35/33$$

$$T_w = 34$$

$$T_o = 33$$

TUESDAY 6 JANUARY 2024 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 42 °F	Dir. W	Temp 72 °F		-RA OBS - 0830 LT -SHSN 2300 - 0030 -SHSN 0400 - 0530 -SHSN 0600 - 085		
Min. 27 °F	Vel. 5 m.p.h.	Read. 28.90 in.				
Set 27 °F	Char. GUSTY	Corr. 28.77 in.		0700	1300	1900
R.H. 73 %	24 hr. Mov. - mi.	Sea L. 30.19 in.	Clds. 10/10 N5	Clds.	Clds. 7/10 Sc	
Ppn. Liq. 0.06 in.	Prev. Dir. -	3 hr. Tend. 41.0 mb	Wx -SHSN	Wx	Wx Cold!	
Ppn. Sol. T in.	Snow Depth T in.	Observer WJS	Vis. 6 mi.	Vis. mi.	Vis. 20 mi.	

$$\begin{aligned}\bar{T} &= 35 \\ H_{DD} &= 30 \\ \Sigma(H_{DD}) &= 137 \\ \Sigma PCN_L &= 1.97 \\ \Sigma PCN_S &= T\end{aligned}$$

$$\begin{aligned}\bar{T}_{DMS} &= 27/19 \\ \bar{T}_{UNV} &= 28/15\end{aligned}$$

$$\begin{aligned}T_w M \\ T_D &= 19\end{aligned}$$

WEDNESDAY 7 JANUARY 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind			Barom.			General Obs.			
Max.	27 °F	Dir.	W	Temp	72 °F	-SN OBS - 1245LT +SHSN 1055-1110LT ARCTIC PROPA [I-90 CLOSED 24 HRS DUE TO SEVERE-INDUCED ACCIDENT]						
Min.	12 °F	Vel.	10 m.p.h.	Read.	29.00 in.							
Set	12 °F	Char.	BUSTY	Corr.	28.87 in.							
R.H.	55 %	24 hr. Mov.	- mi.	Sea L.	30.35 in.	0700	1300	1900	Clds.	1/10 SC	5/10 SC	5/10 SC
Ppn. Liq.	0.02 in.	Prev. Dir.	-	3 hr. Tend.	-0.2 mb	Wx	CHILL = -1	Wx	-	Wx	-	
Ppn. Sol.	0.3 in.	Snow Depth	T in.	Observer	WJS	Vis.	25 mi.	Vis.	25 mi.	Vis.	25 mi.	

$$\begin{aligned}\bar{T} &= 20 \\ H_{DD} &= 45 \\ \Sigma H_{DD} &= 182 \\ \Sigma PCN_x &= 1.99^{\circ} \\ \Sigma PCN_y &= 0.3^{\circ}\end{aligned}$$

$$\begin{aligned}\bar{T}_{DMS} &= 12/-1 \\ T_{UNV} &= 14/0\end{aligned}$$

$$\begin{aligned}T_W &= M \\ T_D &= -1\end{aligned}$$

THURSDAY 8 JANUARY 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 20 °F	Dir. WSW	Temp 72 °F	OCL SC 1200-1500 LT -SHSN 1500-1600 LT 2100-2130LT 2230-0000 LT			
Min. 12 °F	Vel. 12 m.p.h.	Read. 29.04 in.				
Set 18 °F	Char. STEADY	Corr. 28.91 in.	*OUNT LOW 16 (EVENING)			
			0700	1300	1900	
R.H. 70 %	24 hr. Mov. - mi.	Sea L. 30.37 in.	Clds. 1/10 SC	Clds. SC, 10/10 Ci	Clds. SC, 10/10 Ci	
Ppn. Liq. T in.	Prev. Dir. -	3 hr. Tend. -0.1 mb	Wx CHILL 5	Wx ---	Wx ---	
Ppn. Sol. T in.	Snow Depth T in.	Observer WJS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\bar{T} = 16$$

$$H_{00} = 49$$

$$\Sigma H_{00} = 231$$

$$\Sigma PCN_L = 1.99''$$

$$\Sigma PCN_S = 0.3''$$

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

$$T_{\text{inv}} = 21/9$$

$$T_U = M$$

$$T_D = 10$$

FRIDAY 9 JANUARY 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind		Barom.	General Obs.		
Max.	28 °F	Dir.	N	Temp	72 °F	*OUNT LOW 20 -SHW ~ 0430 LT		
Min.	18° °F	Vel.	5 m.p.h.	Read.	28.99 in.			
Set	20 °F	Char.	STEADY	Corr.	28.66 in.			
R.H.	77 %	24 hr. Mov.	- mi.	Sea L.	30.10 in.	0700	1300	1900
Ppn.	T in.	Prev. Dir.	-	3 hr. Tend.	10.6 mb	Clds.	3/10 Sc	0/10
Ppn.	T in.	Snow Depth	T in.	Observer	WJS	Wx	Sc	Wx
						Vis.	25 mi.	25 mi.
						Vis.	25 mi.	25 mi.

$$\begin{aligned}\bar{T} &= 23 \\ H_{20} &= 42 \\ \Sigma H_{20} &= 273 \\ \Sigma PCN_2 &= 1.99'' \\ \Sigma PCN_3 &= 0.3''\end{aligned}$$

$$\begin{aligned}T_{2015} &= 21/14 \\ T_{2012} &= 21/12\end{aligned}$$

$$\begin{aligned}T_w &= 11 \\ T_D &= 14\end{aligned}$$

Sat. January 10, 2003 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	20 °F	Dir.	N	Temp	73 °F	07:30 - 07:45 LT - SNSH 08:00 - 09:15 LT - SNSH	
Min.	-1 °F	Vel.	2 m.p.h.	Read.	29.17 in.	* FIRST 0 OK BELOW SINCE 1/20/97 - A RECORD SETTER	
Set	-1 °F	Char.	light	Corr.	29.05 in.	0700	1300 1900
R.H.	70 %	24 hr. Mov.	— mi.	Sea L.	30.58 in.	Clds.	Li, 8 To Cu
Ppn.	trace in.	Prev. Dir.	—	3 hr. Tend.	+1.5 mb	Wx	Windchill -8
Ppn.	trace in.	Snow Depth	— in.	Observer	SGH	Vis.	25 mi.
						Wx	Cold, Calm, clear
						Vis.	25 mi.
						Clds.	0 Considerable 10 bright



$\bar{T} = 10$
HDD = 55
 $\Sigma \text{HDD} = 328$
 $\Sigma \text{PCN}_L = 1.99''$
 $\Sigma \text{PCN}_S = .3''$

$T_{\text{Davis}} = 1/-8$
 $T_{\text{UNV}} = 0/-9$

$T_W = -$
 $T_D = -8.4$

Sun. January 11, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.		
Max.	14 °F		Dir.	WSW		Temp	73 °F		* AM Low 8 F @ 0130 LT		
Min.	-1* °F		Vel.	7 m.p.h.		Read.	29.13 in.				
Set	11 °F		Char.	Steady		Corr.	29.01 in.		0700	1300	1900
R.H.	62 %		24 hr. Mov.	— mi.		Sea L.	30.50 in.		Clds. C ₂ , A ₂ , 5 10 C ₂ , C ₁	Clds.	Clds. 10 10 st
Ppn. Liq.	0.00 in.		Prev. Dir.	—		3 hr. Tend.	-0.3mb		Wx Incr. Clouds	Wx	Wx Warmer with verra
Ppn. Sol.	0.0 in.		Snow Depth	— in.		Observer	AGM		Vis.	20 mi.	Vis. mi. 16 mi.



$$\begin{aligned}\bar{T} &= 7 \\ \text{HDD} &= 3058 \\ \Sigma \text{HDD} &= 386 \\ \Sigma \text{PCN}_L &= 1.99'' \\ \Sigma \text{PCN}_S &= 0.3''\end{aligned}$$

$$\begin{aligned}T_{\text{DAVIS}} &= \text{N/A} \\ T_{\text{AMY}} &= 10/-1\end{aligned}$$

$$\begin{aligned}T_W &= - \\ T_D &= 1\end{aligned}$$

Mon. January 12, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 40 °F	Dir. W	Temp 74 °F	SN SW - 1910 - 2000 LT * EVENING LOW 26°F			
Min. 11* °F	Vel. 14 m.p.h.	Read. 28.71 in.	- SH SN ~ 0500 LT, - DE SN ~ 0615 - 085 LT - SH SW 0100 - 0130 LT			
Set 39 °F	Char. Gusty	Corr. 28.59 in.	0700	1300	1900	
R.H. 73 %	24 hr. Mov. — mi.	Sea L. 29.97 in.	Clds. 10/10 Sc	Clds. 10/10 Sc	Clds. 10/10 Sc	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. — +0 mb	Wx Drizzle/Fine	Wx —	Wx —	
Ppn. Sol. T in.	Snow Depth T in.	Observer AGM	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.	



$T = 26$
 $HDD = 39$
 $\Sigma HDD = 425$
 $\Sigma PCN_1 = 1.99''$
 $\Sigma PCN_3 = 0.3''$

$T_{DAVIS} = 39/31$
 $T_{urr} = 39/26$

$T_w = 35.5$
 $T_D = 31$

Tuesday January 13, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 40 °F		Dir. WSW	Temp 74 °F	- RA 1420-1500 - RA 1515-1535 - DZSN OBS - 0705 LT		
Min. 33 °F		Vel. 15 m.p.h.	Read. 28.71 in.			
Set 35 °F		Char. Gusty	Corr. 28.69 in.	0700	1300	1900
R.H. 86 %		24 hr. Mov. — mi.	Sea L. 29.98 in.	Clds. 10/10 ST	Clds.	Clds. 9/10 Cu, 1/10 Ac
Ppn. Liq. Trace in.		Prev. Dir. —	3 hr. Tend. 105 mb	Wx —	Wx	Wx Breezy
Ppn. Sol. T in.		Snow Depth — in.	Observer JAS	Vis. 20 mi.	Vis. mi.	Vis. 20 mi.

$$T = 37$$

$$COO = 0$$

$$HOO = 28$$

$$\Sigma COO = 0$$

$$\Sigma HOO = 453$$

$$\Sigma PCN_L = 1.99$$

$$\Sigma PCN_S = 0.3$$

$$T_{unv} = 36/27$$

$$T_{davis} = 35/30$$

$$T_w = 33$$

$$T_d = 30$$

$$PCN_{TB} = 1$$

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

Wednesday, 14 January, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.		
Max.	36 °F		Dir.	N		Temp	70 °F		-SN SH ~0900-0930 LT (Dusting w/70-36F) -IP SH ~0920-0945 Cold Frogs ~1205 LT SN SH ~ 1155-1225 LT, Haviest 1205-1210 Thin occ. -SN SHs ~ 1610-1650, 2110-2145 LT		
Min.	12 °F		Vel.	2 m.p.h.		Read.	28.94 in.				
Set	13 °F		Char.	steady		Corr.	28.83 in.		0700	1300	1900
R.H.	58 %		24 hr. Mov.	— mi.		Sea L.	30.30 in.		Clds.	Clds.	Clds.
									6/10 Ac, Cs, As	10/10 St Sc	10/10 St _s
Ppn.	0.02 in.		Prev. Dir.	—		3 hr. Tend.	√ -0.1 mb		Wx	Wx	Wx
									Cold + calm	—	SN
Ppn.	7 in.		Snow Depth	0 in.		Observer	AGM		Vis.	Vis.	Vis.
									20 mi.	25 mi.	10 mi.

$$\bar{T} = 24^{\circ}\text{F}$$

$$\text{HDD} = 41$$

$$\Sigma \text{HDD} = 494$$

$$\Sigma \text{PCN}_L = 2.01''$$

$$\Sigma \text{PCN}_S = 0.3''$$

$$T_{\text{UNV}} = 12/0$$

$$T_{\text{DAVIS}} = 12/1$$

$$T_w = *$$

$$T_d = 1^{\circ}\text{F}$$

Thursday, 15 January, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 21 °F	Dir. N	Temp 72 °F		1100-1450 LT OCCL -SN 1450-1650 LT SN OCCL+SN		
Min. 11 °F	Vel. 4 m.p.h.	Read. 28.68 in.		1650-2000 LT -SN 2000-2200 LT SN 22:00 - OBS LT -SN		
Set 11 °F	Char. light	Corr. 28.54 in.		0700	1300	1900
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 3000 in.		Clds. BKS IN OVC 10/10 ST NS	Clds. St 6/10 CU	Clds. Cu, 8/10 Ci
Ppn. Liq. 0.51 in.	Prev. Dir. —	3 hr. Tend. +3.0 mb		Wx OCCL -SN	Wx —	Wx Windchill -6°F
Ppn. Sol. 7.7 in.	Snow Depth 7 in.	Observer SMM		Vis. 20 mi.	Vis. 20 mi.	Vis. 20 mi.

$$\bar{T} = 16$$

$$HDD = 49$$

$$\Sigma HDD = 543$$

$$\Sigma PCNL = 252''$$

$$\Sigma PCNs = 8''$$

$$T_{DAVIS} = 14/7$$

$$T_{unv} = 12/5$$

$$T_w = M$$

$$T_d = 7$$

Friday, January 16, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	18 °F	Dir. NW	Temp 74 °F	obs - 10:30 - SN		
Min.	1 °F	Vel. 9 m.p.h.	Reed. 28.92 in.	13:00-13:25 - SN SH		
Set	1 °F	Char. gusty	Corr. 28.80 in.	14:35-15:30 - SN		
R.H.	56 %	24 hr. Mov. — mi.	Sea L. 30.32 in.	0700	1300	1900
Ppn. Liq.	0.01 in.	Prev. Dir. —	3 hr. Tend. +1.0 mb	Clds. SC 1/10	Clds. 0/10	Clds. 0/10 CLR
Ppn. Sol.	.1 in.	Snow Depth 6 in.	Observer SGT	Wx Windmill -16°F	Wx —	Wx —
				Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$$\begin{aligned}\bar{T} &= 10 \\ \text{HDD} &= 55 \\ \Sigma \text{HDD} &= 598 \\ \Sigma \text{PCN}_L &= 2.53'' \\ \Sigma \text{PCN}_S &= 8.1''\end{aligned}$$

$$\begin{aligned}T_{\text{Davis}} &= 1/-11 \\ T_{\text{UNV}} &= 3/-13\end{aligned}$$

$$\begin{aligned}T_w &= M \\ T_D &= -11\end{aligned}$$

Saturday, January 17, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.		Dir.	Temp	*Overnight Low = 7°			
20	°F	WSW	75° °F				
Min.		Vel.	Read.				
1	°F	2 m.p.h.	29.03 in.				
Set		Char.	Corr.	0700	1300	1900	
8	°F	Light	26.89 in.				
R.H.		24 hr. Mov.	Sea L.	Clds. Ci	Clds.	Clds.	
77	%	— mi.	30.38 in.	4/10 Cc		10 St, Sc 10	
Ppn. Liq.		Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx 3h @ 1/2" per hour	
0.00	in.	—	10.2 mb	Cold!			
Ppn. Sol.		Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0	in.	4 in.	BPM	25 mi.	mi.	2 mi.	

$\bar{T} = 11^\circ$
HDD = 54
CDD = 0
 Σ HDD = 652
 Σ CDD = 0

$T_{\text{Davis}} = 9^\circ/3^\circ$
 $T_{\text{UNV}} = 10^\circ/3^\circ$

$T_w = M$
 $T_D = 3^\circ$

PCNCTB = M
 Σ PCNCTB = M

Σ PCNL = 2.53"
 Σ PCNS = 8.1"

Sunday, 18 January, 2004 0700 EST

Temp.			Wind	Barom.	General Obs.		
Max.	Dir.	Temp			SN ⁻ B ~ 1445 LT, SN ⁻ /acc. SN > 1530 LT till 1445 LT		
29 °F	WSW	73 °F					
Min.	Vel.	Read.			SN ⁻ E ~ 2230 LT		
8* °F	1 m.p.h.	28.39 in.			1.7" total accumulation 0000-0200 LT acc. SN ⁻ 0415-0530 & 0600-0630 LT: FR DL ⁻		
Set	Char.	Corr.					
29 °F	steady	28.27 in.			0700	1300	1900
R.H.	24 hr. Mov.	Sea L.			Clds.	Clds.	Clds.
87 %	— mi.	29.66 in.			$\frac{10}{10}$ St, Ns	$\frac{9}{10}$ St, Cu, Sc	$\frac{2}{10}$ Cu, Ac
Ppn. Liq.	Prev. Dir.	3 hr. Tend.			Wx FR DL ⁻ -1.5" Snow and 0.1" glaze on ground	Wx Breezy but finally above 32°F.	Wx Breezy next to body of cold air here
0.26 in.	—	-1.5 mb			Vis.	Vis.	Vis.
Ppn. Sol.	Snow Depth	Observer			2.5 mi.	20 mi.	25 mi.
1.7" in.	5 in.	AGM					

$\bar{T} = 19$
HDD = 46
 $\Sigma \text{HDD} = 698$
 $\Sigma \text{CDD} = 0$

$T_{\text{DAVIS}} = 28/28$
 $T_{\text{UNV}} = 27/25$

$T_w = -$
 $T_D = 25^\circ\text{F}$

$\Sigma \text{PCNL} = 2.79''$
 $\Sigma \text{PCNS} = 9.8''$

Monday, 19 January, 2004

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	AN Times LT			
34 °F	W	71.5 °F	Obs-0735: FR RA-, 0735-0830: SN; 0930-0940, 1010-1030, 1110-1135; 3 SN SH's.			
Min.	Vel.	Read.	1650-1715, @ 1850, @ 2220, 0130- 0200, @ 0415, 0600-0615: all SN SH's.			
17 °F	9415 m.p.h.	28.68 in.				
Set	Char.	Corr.	0700	1300	1900	
17 °F	Breezy!	28.56 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
70 %	- mi.	30.00 in.	10 10			
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx cold, Wind chill ~5°F	Wx	Wx	
0.02 in.	-	+0.8 mb				
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.1 in.	5 in.	AGM	10 mi. (Virginia around county)	mi.	mi.	



$\bar{T} = 26$
HDD = 39
 $\Sigma \text{HDD} = 737$
 $\Sigma \text{CDD} = 0$

$T_{\text{Davis}} = 16/9$
 $T_{\text{unv}} = 18/9$

$T_w = -$
 $T_D = 9 \text{ Esthad}$

$\Sigma \text{PCN}_L = 2.81''$
 $\Sigma \text{PCN}_S = 9.9''$

Tuesday January 20, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 21 °F	Dir. W	Temp 72 °F		-SN 0845-1105 -SN 1120-1415 -SN 1450-2015 -SN 040-0235		
Min. 15 °F	Vel. 11 m.p.h.	Read. 28.81 in.				
Set 15 °F	Char. breezy	Corr. 28.69 in.		0700	1300	1900
R.H. 66 %	24 hr. Mov. — mi.	Sea L. 30.09 in.	Clds. 10/110 A	Clds. 2/10 SC	Clds. 0 Cu, Sc 10	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. 1.0 mb	Wx —	Wx —	Wx Cold Wind Chit 9°F	
Ppn. Sol. T in.	Snow Depth 4 in.	Observer JAS	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\bar{T} = 18$
 $\text{COO} = 0$
 $\text{HOD} = 47$
 $\Sigma \text{COO} = 0$
 $\Sigma \text{HOD} = 784$
 $\Sigma \text{PCN}_L = 2.81$
 $\Sigma \text{PCN}_S = 9.9$

$\bar{T}_{\text{davis}} = 15/9$
 $\text{Tunv} =$

$T_w = 13$
 $T_b = 10$

⊕ Sublimation of Sunday mornings (7-9A) 0.1" of snow has left FZ RA crust as top of current snow depth. Quite glossy, slippery appearance in night lights

$\text{PCN}_{T_b} = M$
 $\Sigma \text{PCN}_{T_b} = M$

Wednesday, 21 January, 2004 0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.	Wind	Barom.	General Obs.		
Max. 21 °F	Dir. WSW	Temp 71 °F	SN SW's @ 1210 LT, 1300LT, 2250-2315 LT		
Min. 14 °F	Vel. 3 m.p.h.	Read. 28.98 in.	Occ SN SW's 0240 - 0640LT		
Set 14 °F	Char. steady	Corr. 28.86 in.	0700	1300	1900
R.H. 70 %	24 hr. Mov. — mi.	Sea L. 30.33 in.	Clds. 8/10 ST, Sc, Ac	Clds. 9/10 SC, MC, ST	Clds. 1/10 SC
Ppn. T in.	Liq. —	Prev. Dir. —	Wx Damp & Cold	Wx —	Wx —
Ppn. T in.	Sol. —	Snow Depth 4 in.	Observer AGM	Vis. 25 mi.	Vis. 25 mi.

$T = 18$
 $CDD = 0$
 $HDD = 47$
 $\Sigma HDD = 831$
 $\Sigma CDD = 0$
 $\Sigma PCN_L = 2.81$
 $\Sigma PCN_S = 9.9$

$T_{days} = 13/6$
 $T_{hour} = 14/5$

$T_w = \rightarrow$
 $T_d = 6^\circ F$

Thursday, January 22, 2004 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.		Wind	Barom.	* wnt low 15°		
Max.	32 °F	Dir. SW	Temp 72 °F			
Min.	13 °F	Vel. 10 m.p.h.	Read. 28.55 in.			
Set *	32 °F	Char. gusty	Corr. 28.43 in.	0700	1300	1900
R.H.	72 %	24 hr. Mov. - mi.	Sea L. 29.82 in.	Clds. St 10/10 Sc	Clds. Cu 4/10	Clds. Cu 4/10
Ppn. Liq.	0.0 in.	Prev. Dir. -	3 hr. Tend. 1-3.0 mb	Wx -	Wx	Wx
Ppn. Sol.	0.0 in.	Snow Depth 4 in.	Observer SMM	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.

$$T = 23$$

$$CDD = 0$$

$$HDD = 42$$

$$\sum HDD = 873$$

$$\sum CDD = 0$$

$$\sum PCN_L = 2.81$$

$$\sum PCN_S = 9.9$$

$$T_{davis} = 32/24$$

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

$$T_w = -$$

$$T_d = 24$$

Friday, Jan. 23, 2004

0700 EST
 Meteorological Observatory
 University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 34 °F	Dir. WNW	Temp 70 °F	Temp 70 °F	11:30 - 12:00 LT - SHSN		
Min. 3 °F	Vel. 10 m.p.h.	Read. 28.91 in.	Read. 28.91 in.	12:30 - 14:10 LT - SHSN		
Set 3 °F	Char. gusty	Corr. 28.80 in.	Corr. 28.80 in.	14:35 - 14:45 LT - SHSN		
R.H. 62 %	24 hr. Mov. ← mi.	Sea L. 30.30 in.	Sea L. 30.30 in.	0700 Clds. Sc, 10/10 Ci	1300 Clds. Sc 7/10 Ci	1900 Clds. 10/10 Sc
Ppn. Liq. 0.01 in.	Prev. Dir. ←	3 hr. Tend. +2.0 mb	3 hr. Tend. +2.0 mb	Wx windchill -16°F	Wx windy	Wx
Ppn. Sol. 0.1 in.	Snow Depth 4 in.	Observer EGH	Observer EGH	Vis. 20 North 10 South mi.	Vis. 20 mi.	Vis. 25 mi.

$T = 19$
 $HDD = 46$
 $\Sigma HDD = 919$
 $\Sigma PCNL = 2.82''$
 $\Sigma PCNS = 10.0''$

$T_{DVIS} = 3/-7$
 $T_{UNV} = 5/-5$

$T_W = 14$
 $T_D = -7$

Saturday, January 24, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	12 °F	Dir. NE	Temp 71 °F	-SN 2000-0500 LT -SN 0530-085 LT		
Min.	3* °F	Vel. 1 m.p.h.	Read. 28.65 in.			
Set	10 °F	Char. Light	Corr. 28.53 in.	*Overnight Low = 8'		
				0700	1300	1900
R.H.	83 %	24 hr. Mov. — mi.	Sea L. 29.99 in.	Clds. 10/10 Ns	Clds.	Clds. Scs 1/10 Cu
Ppn. Liq.	0.05 in.	Prev. Dir. —	3 hr. Tend. V0.0 mb	Wx -SN	Wx	Wx Wind Chill -3°F
Ppn. Sol.	1.3 in.	Snow Depth 5 in.	Observer BPM	Vis. 3 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 8^\circ$

HDD = 57

CDD = 0

Σ HDD = 976

Σ CDD = 0

Σ PCNL = 2.87"

Σ PCNS = 11.3"

$T_{Davis} = 10^\circ/5^\circ$

$T_{unv} = 10^\circ/6^\circ$

$T_w = N/A$

$T_D = 5^\circ$

PCNLTB = M

Σ PCNLTB = M

Sunday, 25 January, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	20 °F	Dir. W	Temp 69 °F	-SN OBS-1000LT -SN SW at 1230LT Occ. -SNSW 1400-1710LT		
Min.	0 °F	Vel. 0 m.p.h.	Read. 29.07 in.			
Set	0 °F	Char. Calm	Corr. 28.96 in.			
R.H.	71 %	24 hr. Mov. — mi.	Sea L. 30.48 in.	0700	1300	1900
Ppn. Liq.	0.01 in.	Prev. Dir. —	3 hr. Tend. 1.0 mb	Clds. 1/10 As, Cs	Clds. Ci, 9/10 As, Cr	Clds. 10/10 St, Ns
Ppn. Sol.	0.2 in.	Snow Depth 5 in.	Observer AGM	Wx Very Cold	Wx Cold	Wx Virga over head
				Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.



$$T = 10$$

$$HDD = 55$$

$$\Sigma HDD = 1031$$

$$\Sigma CDD = 0$$

$$T_{DAVIS} = 1^{\circ}F / -7^{\circ}F$$

$$T_{UNV} = 0^{\circ}F / -8^{\circ}F$$

$$T_w = -$$

$$T_D = -7^{\circ}F$$

$$\Sigma PCN_1 = 2.88''$$

$$\Sigma PCN_2 = 11.5''$$

$$PCNLTB = -$$

$$\Sigma PCNLTB = -$$

Monday, 26 January, 2004 0700 EST

Temp.			Wind	Barom.	General Obs.									
Max.	15 °F		Dir.	E	Temp	70 °F		SN- 2100-OBS LT, SN 2130-2210LT *AM LOW 12						
Min.	0* °F		Vel.	6 m.p.h.	Read.	28.98 in.								
Set	13 °F		Char.	Steady	Corr.	28.87 in.								
R.H.	89 %		24 hr. Mov.	— mi.	Sea L.	30.38 in.		0700	1300	1900				
Ppn.	Liq.	0.36 in.		Prev. Dir.	—	3 hr. Tend.	— -0.1 mb	Clds.	10/10 NS	10/10 NS				
Ppn.	Sol.	3.1 in.		Snow Depth	8 in.		Observer	AGM	Wx	SN-	Wx	-SN	Wx	-SN
								Vis.	3 mi.	Vis.	3 mi.	Vis.	3 mi.	

$$I = 8$$

$$HDD = 57$$

$$\Sigma HDD = 1088$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 3.24$$

$$\Sigma PCN_S = 14.6$$

$$T_{DAVIS} = 13/9$$

$$T_{UNV} = 14/9$$

$$T_W = -$$

$$T_D = 9$$

$$P_{CNLTB} = \emptyset \text{ N/A}$$

$$\Sigma P_{CNLTB} = \emptyset \text{ N/A}$$

Tuesday January 27, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 17 °F	Dir. —	Temp 73 °F	0700-1100 -SN OCNL -FZ RR P			
Min. 12 °F	Vel. 0 m.p.h.	Read. 28.86 in.	1100-2210 -SN 2210-085 OCNL -SN, FZ RR			
Set 16 °F	Char. Calm	Corr. 28.74 in.	0700	1300	1900	
R.H. 88 %	24 hr. Mov. — mi.	Sea L. 30.19 in.	Clds. 10/10 ST	Clds.	Clds. 10/10 ST	
Ppn. Liq. .13 in.	Prev. Dir.	3 hr. Tend. 11.5 mb	Wx FG	Wx	Wx SN, FG	
Ppn. Sol. 1.0 in.	Snow Depth 8 in.	Observer JAS	Vis. 1 mi.	Vis. mi.	Vis. 3 mi.	

$$\bar{T} = 15$$

$$C_{AD} = 0$$

$$H_{AD} = 50$$

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

$$\Sigma H_{AD} = 1138$$

$$\Sigma PCU = 3.37$$

$$\Sigma PCV_s = 15.6$$

$$T_{Davis} = 16/14$$

$$T_{unv} = 18/14$$

$$T_w = -$$

$$T_0 = 14$$

$$PCN_{T_0} = 17$$

$$\Sigma PCN_{T_0} = 17$$

Wednesday, 28 January, 2004 0700 EST

Temp.			Wind			Barom.			General Obs.		
Max.	24 °F		Dir.	WSW		Temp	73 °F		OBS-0730LT SN-/PL- 730-1430LT OCNL FZDZ-/PL-/SN-		
Min. *	16 °F		Vel.	14620 m.p.h.		Read.	28.55 in.		1425-2045 LT: Significant Snow % Upper Level Low: SN+ (1450-1650LT), SN-/SN (1650-1800LT) *OANT 2850LT-OBS: OCNL SN-/SN SN- Lo 78		
Set	18 °F		Char.	Gusty		Corr.	28.43 in.		0700	1300	1900
R.H.	77 %		24 hr. Mov.	— mi.		Sea L.	29.89 in.		Clds.	Clds.	Clds. SC, 10/10 Ci
Ppn. Liq.	0.41 in.		Prev. Dir.	—		3 hr. Tend.	+0.9 mb		Wx	Wx	Wx
Ppn. Sol.	5.3 in.		Snow Depth	13 in.		Observer	AGM		Vis.	Vis.	Vis. 25 mi.



$T = 20$
 $HDD = 94.45$
 $\Sigma HDD = 0$
 $\Sigma HDD = 1182$
 $\Sigma PCN_L = 3.78$
 $\Sigma PCN_s = 20.9$

$T_{Dewp} = 18/12$
 $T_{uvv} = 19/12$

$T_w = -$
 $T_b = 12^{\circ}F$

$PCN_{TR} = 0$
 $\Sigma PCN_{TR} = 0$

Thursday, January 29, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.	General Obs.			
Max.			Dir.		Temp	OBS - 815 LT - SN			
22	°F		W		74	°F	0830-2015 LT OCCUR - SN		
Min.			Vel.		Read.	0145-OBS LT OCCUR - SN			
17	°F		15	m.p.h.	28.72	in.			
Set			Char.		Corr.				
17	°F		gusty		28.57	in.	0700	1300	1900
R.H.			24 hr. Mov.		Sea L.	Clds. SC			
67	%		-	mi.	30.02	in.	7/10	Cu	Clds. 5/10 SC
Ppn.	Liq.		Prev. Dir.		3 hr. Tend.	Wx BLSN			
0.01	in.		-		√1.0	mb	Wx		
Ppn.	Sol.		Snow Depth		Observer	Vis.			
0.10	in.		10	in.	SMM	20 mi.			
						mi. 25 mi.			

$$\bar{T} = 20$$

$$HDD = 45$$

$$CDD = 0$$

$$\Sigma HDD = 1228$$

$$\Sigma PCN_c = 3.79$$

$$\Sigma PCN_s = 21$$

$$T_{DAVIS} = 1718$$

$$T_{unv} = 1316$$

$$T_w = m$$

$$T_d = 8$$

$$PCNTB = 0$$

$$\Sigma PCNTB = 0$$

Friday, January 30, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind		Barom.	General Obs.		
Max.	20 °F	Dir.	W	Temp	74 °F	23:20 - 00:45 LT - SNSH		
Min.	10 °F	Vel.	6 m.p.h.	Read.	28.60 in.	04:00 - 04:55 LT - SNSH		
Set	10 °F	Char.	gusty	Corr.	28.48 in.	06:00 - obs - SNSH		
R.H.	73 %	24 hr. Mov.	— mi.	Sea L.	30.91 in.	0700	1300	1900
Ppn.	trace in.	Prev. Dir.	—	3 hr. Tend.	- +0.0 mb	Clds.	Clds.	Clds.
Ppn.	trace in.	Snow Depth	10 in.	Observer	SGH	10/10 SC	Wx	5/10 Ac Cu
						Wx	Wx	Wx
						Vis.	Vis.	Vis.
						12 mi.	mi.	25 mi.

$$T = 15$$

$$+HDD = 50$$

$$\Sigma HDD = 12.78$$

$$\Sigma PCN_L = 3.79''$$

$$\Sigma PCN_S = 21''$$

$$T_{DMS} = 11/3$$

$$T_{UNV} = 12/1$$

$$T_w = M$$

$$T_b = 3$$

$$PCN_{TB} = M$$

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

Saturday, January 31, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	17 °F	Dir. WNW	Temp 75 °F	-SNSH 085-0810LT		
Min.	7 °F	Vel. 10 m.p.h.	Read. 28.79 in.	-SNSH 1100-1120LT		
Set	7 °F	Char. Gusty	Corr. 28.65 in.	-SNSH 2320-2330LT		
				-SNSH 0430-0500LT		
				-SNSH 0645-0850LT		
				0700	1300	1900
R.H.	71 %	24 hr. Mov. — mi.	Sea L. 30.17 in.	Clds. 10/10 St	Clds.	Clds. 2/10 Sc, Cu
Ppn. Liq.	Trace in.	Prev. Dir. —	3 hr. Tend. 13.0 mb	Wx -SNSH	Wx	Wx FAIR
Ppn. Sol.	Trace in.	Snow Depth 10 in.	Observer BPM	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 12^\circ$
HDD = 53
CDD = 0
 Σ HDD = 1331
 Σ CDD = 0

$T_{\text{Davis}} = 6^\circ / -15^\circ$
 $T_{\text{unv}} = 9^\circ / -2^\circ$

$T_w = \text{N/A}$
 $T_D = -1.5^\circ$

$\epsilon_{\text{PCNL}} = 3.79''$
 $\epsilon_{\text{PCNS}} = 21.0''$

JAN TEMPS
 $\bar{T}_{\text{MAX}} = 28.9$
 $\bar{T}_{\text{MIN}} = 14.5$
 $\bar{T}_{\text{JAN}} = 21.73$

PCNLTB = M
 $\epsilon_{\text{PCNLTB}} = M$