

$$\bar{T} = 23$$

$$HDD = 42$$

$$\sum HDD = 42$$

$$\sum PCN_L = T$$

$$\sum PCN_S = T$$

$$T/T_{RAMOS} = 23/14$$

$$T/T_{UNV} = 21/16$$

SUN. JAN 2, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	39 °F	Dir.	WSW	Temp.	70 °F	OCNL S-- 2130-2300 LT OCNL L-- 2300-0600 LT ALL PCPN. VHY LGT * MIN OCRD AFTER OBS, 1ST OVRNT LO = 35		
Min.	18* °F	Vel.	7 m.p.h.	Read.	28.76 in.			
Set	35 °F	Char.	G TO 14	Corr.	28.64 in.	0700	1300	1900
R.H.	78 %	24 hr. Mov.	- mi.	Sea L.	29.98 in.	Clds.	Clds.	Clds.
Ppn.	T in.	Prev. Dir.	-	3 hr. Tend.	Γ+1.5 mb	Wx	Wx	Wx
Ppn.	T in.	Snow Depth	T in.	Observer	JHM	Vis.	Vis.	Vis.
						15 mi.	mi.	mi.

$$\bar{T} = 29$$

$$H_{00} = 36$$

$$\sum H_{00} = 78$$

$$\sum pcN(L) = T$$

$$(S) = T$$

$$T_{down} = 27$$

$$T_{up} = 30$$

MON. JAN 3, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F		Dir. NE	Temp. 70 °F	S- ~0500LT → OBS		
Min. 23 °F		Vel. 10 m.p.h.	Read. 28.93 in.			
Set 23 °F		Char. STDY	Corr. 28.81 in.	0700	1300	1900
R.H. 68 %		24 hr. Mov. — mi.	Sea L. 30.14 in.	Clds. 10/10	Clds.	Clds. 10/10
Ppn. T in.	Liq. in.	Prev. Dir. —	3 hr. Tend. STDY mb	Wx S-	Wx	Wx S-
Ppn. T in.	Sol. in.	Snow Depth T in.	Observer JHM.	Vis. 2 mi.	Vis. mi.	Vis. 1 1/2 mi.

$$\bar{T} = 31$$

$$T_{\text{trans}} = 13$$

$$H_{00} = 34$$

$$T_{\text{unv}} = 15$$

$$\sum H_{00} = 112$$

$$\sum p_{\text{CW}}(L) = T$$

$$(S) = T$$

TUES JAN 4, 1994 07:00 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.				
Max.	28 °F	Dir.	NNE	Temp.	72 °F	PRESFR * MIN OCRD ~ 0800LT 3AD ONE HGT LD ~ 24 S- OBS(310) - 1300LT (0.1" SCL) S-, OCNLS 1630LT → OBS(4TH)		
Min.	22* °F	Vel.	8 m.p.h.	Read.	28.13 in.			
Set	25 °F	Char.	GTO 18	Corr.	28.01 in.			
R.H.	81 %	24 hr. Mov.	- mi.	Sea L.	29.31 in.	0700	1300	1900
Ppn.	.51 in.	Prev. Dir.	-	3 hr. Tend.	1780 mb	Clds.	Clds.	Clds.
Ppn.	5.1 in.	Snow Depth	5 in.	Observer	JHM	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						3/4 mi.	mi.	mi.

$$T = 25$$

$$H_{00} = 40$$

$$\sum H_{00} = 152$$

$$\sum PCN(L) = 0.51''$$

$$(S) = 5.1''$$

$$T_d \text{ runs} = 18$$

$$T_d \text{ unv} = 21$$

WED. JAN. 5, 1994 0700 EST

Meteorological
University Park, PA

General Obs.

Temp.		Wind		Barom.		S, IP - obs - 0730 LT S 0730-0830 LT, Jt 0830-0900 LT S, OWLS + 0900 - 1215 LT : 40 in. S - 1215 - 1600 LT } .03" LIQ SW - ~ 1000 LT - OBS } .5" SOL.		
Max.	26 °F	Dir.	WSW	Temp.	70 °F			
Min.	19 °F	Vel.	18 m.p.h.	Read.	28.63 in.			
Sea	22 °F	Char.	G to 25	Corr.	28.51 in.	0700	1300	1900
R.H.	65 %	24 hr. Mov.	- mi.	Sea L.	29.82 in.	Clds. Bknoc	Clds.	Clds. 0/10
Ppn.	0.63 in.	Prev. Dir.	-	3 hr. Tend.	1+.5 mb	Wx SW-	Wx	Wx CRT + COLD!
Ppn.	7.7* in.	Snow Depth	10 in.	Observer	JHM	Vis. 4 mi.	Vis.	mi. 20 mi.

$$T - 23$$
$$H_{00} = 42$$

$$T_{d \text{ max}} = 10$$
$$T_{d \text{ min}} = 14$$

$$\Sigma H_{00} = 194$$

$$\Sigma PCN(L) = 1.14''$$
$$(S) = 12.8''$$

* RECORD SNOWFALL FOR DATE
[3/4" SNOW IN ONE HOUR
DURING ST]

THUR. JAN. 6, 1994 ¹⁵ 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 24 °F	Dir. ESE	Temp. 68 °F	SW - obs - 0905 LT SW/SWT 0905-0915 LT GUSTS TO 40 MPH (ARCTIC) SW - 0915-0930 LT : .02" LIQ. J" SOL.			
Min. 9 °F	Vel. 4 m.p.h.	Read. 28.86 in.	S - ~ 0400 - obs : .09" LIQ. J" SOL.			
Set B °F	Char. light	Corr. 28.74 in.	0700	1300	1900	
R.H. 73 %	24 hr. Mov. - mi.	Sea L. 30.19 in.	Clds. X	Clds.	Clds. 10/10 St	
Ppn. 0.11 in.	Liq. -	Prev. Dir. -	3 hr. Tend. L-1.7 mb	Wx S	Wx	Wx OCNL S--
Ppn. 1.3 in.	Sol. 10 in.	Snow Depth	Observer JHM	Vis. 1/2 mi.	Vis.	Vis. 7 mi.

$$T = 17$$

$$H_{DD} = 48$$

$$\sum H_{DD} = 242$$

$$\sum PCW(L) = 1.25''$$

$$(S) = 14.1''$$

$$T_{d \text{ ranges}} = 3$$

$$T_{d \text{ units}} = 7$$

Friday January 7, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	22 °F	Dir. NE	Temp. 69 °F	S 0715-0745 LT S- 0745-0815 LT Gauge emptied .02" liquid .2" solid		
Min.	12 °F	Vel. 5 m.p.h.	Read. 28.72 in.	S- 1000-1045 LT GENL S - Afternoon 6th		
Set	22 °F	Char. light	Corr. 28.60 in.	0700	1300	1900
R.H.	81 %	24 hr. Mov. - mi.	Sea L. 30.02 in.	Clds. -X	Clds.	Clds. -X
Ppn.	Liq. .09 in.	Prev. Dir. -	3 hr. Tend. -0.2 mb	Wx ZR-S-	Wx	Wx ZR-F
Ppn.	Sol. .7 in.	Snow Depth 10 in.	Observer DLD	Vis. 2 mi.	Vis. mi.	Vis. 1 mi.

$$\bar{T} = 17$$

$$HDD = 48$$

$$\Sigma HDD = 290$$

$$\Sigma PCN_L = 1.34''$$

$$\Sigma PCN_S = 14.8''$$

$$T_{RAINUS} = 21/13$$

$$T_{UNV} = 17/16$$

OBS CONT

- ZR-5 - 2100 - OBS (7th)
- MIN TEMP occurred at OBS (6th)
- Temps steady overnight
- PRESSURE UNsteady

SATURDAY January 8, 1974

0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.		Wind		Barom.		General Obs.		
Max.	27 °F	Dir.	W	Temp.	70 °F	ZR -	085 (7 th) -	0930 LT
Min.	21 °F	Vel.	~ 8 m.p.h.	Read.	28.61 in.	ZL -	1200 LT -	1400 LT
Set	21 °F	Char. anemometer	frozen	Corr.	28.49 in.	ZR -	1630 LT -	1930 LT
R.H.	74 %	24 hr. Mov.	- mi.	Sea L.	30.02 in.	ZR - IP -	1930 LT -	2030 LT
Ppn.	.40 in.	Prev. Dir.	-	3 hr. Tend.	+1.4 / mb	OVER		
Ppn.	2.5 in.	Snow Depth	11 in.	Observer	DLD	0700	1300	1900
						Clds.	Clds.	Clds.
						9/10 Sc	Wx	Wx
						Wx Rdgs	Wx	Wx
						obscd	Vis.	Vis.
						5 mi.	mi.	mi.

$\bar{T} = 25$
HDD = 40
 $\Sigma \text{ HDD} = 330$
 $\Sigma \text{ PCN}_L = 1.74''$
 $\Sigma \text{ PCN}_S = ~~1.74~~$
173''

$T_{\text{RAMOS}} = 20/9$
 $T_{\text{UNV}} = 21/15$

OBS CONT

- S- 2030LT - 0130LT
- sidewalks covered in $\frac{1}{2}''$ ice
afternoon of 7th

SUNDAY JANUARY 9, 1994

0700 EST

Meteorological Observations
University Park, PA

General Obs.

Temp.		Wind	Barom.		General Obs.		
Max.	23 °F	Dir. W	Temp.	69 °F	SW- 0915-0945 LT		
Min.	7 °F	Vel. 12 m.p.h.	Read.	29.08 in.	SW- 1500-1615 LT		
Set	10 °F	Char. Anemometer frozen	Corr.	28.96 in.	OCNL SW-- overnight		
R.H.	55 %	24 hr. Mov.	Sea L.	30.46 in.	OCNL gusts > 30 mph w/ Blowing snow afternoon of 8th		
Ppn.	.03 in.	Prev. Dir.	3 hr. Tend.	+2.9 mb	0700	1300	1900
Ppn.	.3 in.	Snow Depth	Observer	DLD	Clds.	Clds.	Clds.
		11 in.			Wx	Wx	Wx
					Wx	Wx	Wx
					Vis.	Vis.	Vis.
					15 mi.	mi.	mi.

$I = 15$
HDD = 50
 $\Sigma 4DD = 380$

$\Sigma PCN_L = 1.77''$
 $\Sigma PCN_S = 17.6''$

$T_{Ramos} = 10/9$
 $T_{UNV} = 10/2$

Monday January 10, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.	General Obs.					
Max.	17	°F	Dir.	-	Temp.	69	°F	OCNL SW - (Just Flurries) SUN. A.M.			
Min.	2	°F	Vel.	0 m.p.h.	Read.	29.50	in.				
Set	4	°F	Char.	calm	Corr.	29.38	in.				
R.H.	79	%	24 hr. Mov.	- mi.	Sea L.	30.65	in.	0700	1300	1900	
Ppn.	T	in.	Prev. Dir.	-	3 hr. Tend.	+2.0	mb	Clds.	0/10	Clds.	10/10 (10/10)
Ppn.	T	in.	Snow Depth	10 in.	Observer	HDS		Wx	Frigid	Wx	Wx Calm + Cold
								Vis.	20 mi.	Vis.	20 mi.

$\bar{T} = 10$
HDD = 55
 $\Sigma HDD = 435$
 $\Sigma PCN_L = 1.77''$
 $\Sigma PCN_S = 17.6''$

$T_{\text{ramos}} = 5/1$
 $T_{\text{JNV}} = 5/-1$

Tuesday January 11, 1994 0700 EST

Temp.			Wind		Barom.		General Obs.			
Max.	23	°F	Dir.	W	Temp.	70	°F	overnight min = 13 Temp unsteady overnight		
Min.	2	°F	Vel.	6 m.p.h.	Read.	29.21	in.			
Set	18	°F	Char.	Light	Corr.	29.09	in.	0700	1300	1900
R.H.	59	%	24 hr. Mov.	- mi.	Sea L.	30.55	in.	Clds. 6/10 - Cs	Clds. -10/10	Clds. 10/10 St
Ppn.	0	in.	Prev. Dir.	-	3 hr. Tend.	-0.7	mb	Wx Warmer than past nights !!	Wx Sun visible	Wx Cloudy yet calm
Ppn.	0	in.	Snow Depth	9 in.	Observer	DLD		Vis. 15 mi.	Vis. 25 mi.	Vis. 6 mi.

$\bar{T} = 13$
HDD = 52
 $\Sigma \text{HDD} = 487$

$T_{\text{RAMOS}} = 16/2$

$T_{\text{UNV}} = 17/8$

$\Sigma \text{PCN}_c = 1.77''$

$\Sigma \text{PCN}_s = 17.6''$

Wednesday, January 12, 1994

0700 EST
 Meteorological Observatory,
 University Park, PA

General Obs.

Temp.		Wind		Barom.		overnight min = 27 few flakes 1000-1100LT S - occasional S 0545-0700LT					
Max.	32 °F	Dir.	WNW	Temp.	69 °F						
Min.	18 °F	Vel.	3 m.p.h.	Read.	29.02 in.						
Set	27 °F	Char.	light	Corr.	28.90 in.				0700	1300	1900
R.H.	81 %	24 hr. Mov.	— mi.	Sea L.	30.23 in.	Clds.	-X	Clds.	-X		
Ppn.	0.11 in.	Prev. Dir.	—	3 hr. Tend.	-1.5 mb	Wx	light snow and fog	Wx	light snow tapering off		
Ppn.	1.1 in.	Snow Depth	10 in.	Observer	PAF	Vis.	1/2 mi.	Vis.	1 1/2 mi.		

$$T = 25$$

$$HDD = 40$$

$$\Sigma HDD = 527$$

$$\Sigma PCN_L = 1.88''$$

$$\Sigma PCN_S = 10.7''$$

$$T_{RAMS} = 26/20$$

$$T_{UNV} = 25/22$$

Thursday January 13, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.					
Max.			Dir.		Temp.		S acnl S- obs -1130LT 1 1/8" snow 800LT to 900LT S- 1130LT to 1430LT Temp slowly rising from 30 at midnight Gauge Emptied @ 213 0.32" liq 3.2" solid					
35	°F		SW		70	°F						
Min.			Vel.		Read.							
26	°F		6	m.p.h.	28.63	in.						
Set			Char.		Corr.		0700	1300	1900			
35	°F		light		28.51	in.						
R.H.			24 hr. Mov.		Sea L.		Clds.		Clds.			
75	%		-	mi.	29.90	in.	10/10 SC	10/10 St	10/10 St			
Ppn.	Liq.		Prev. Dir.		3 hr. Tend.		Wx	Wx	Wx			
0.32	in.		-		+0.2	mb	relatively mild	Damp, some drizzle	becoming foggy			
Ppn.	Sol.		Snow Depth		Observer		Vis.	Vis.	Vis.			
3.2	in.		12	in.	MDP		15	mi.	10	mi.	5	mi.

T = 31°
HOD = 34°
ΣHDD = 561
ΣPCNL = 2.20"
ΣPCN₃ = 21.9"

T_{RAMOS} 33/25
T_{ONV} 35/29



Friday, January 14, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	36 °F	Dir. WSW	Temp. 70 °F	OCNL L-, SW - during the day dusting of snow on ground at 0700LT		
Min.	30 °F	Vel. 6 m.p.h.	Read. 28.35 in.			
Set	30 °F	Char. light	Corr. 28.23 in.	0700	1300	1900
R.H.	75 %	24 hr. Mov. — mi.	Sea L. 29.52 in.	Clds. 10/10 St	Clds. 10/10 Sc	Clds. 10 Cu
Ppn.	Liq. Tr. in.	Prev. Dir. —	3 hr. Tend. -1.5 mb	Wx light snow and fog	Wx ocnl SW-, breezy	Wx Bitterly Cold, Windy
Ppn.	Sol. Tr. in.	Snow Depth 10 in.	Observer PAF	Vis. 3 mi.	Vis. 5 v. 15 mi.	Vis. 10 mi.

$$\bar{T} = 33$$

$$HDD = 32$$

$$\Sigma HDD = 593$$

$$\Sigma PCN_L = 2.20''$$

$$\Sigma PCN_S = 21.9''$$

$$T_{RAMOS} = 29/21$$

$$T_{UNV} = 30/25$$

$$T = 16$$

$$HDD = \cancel{450}$$

$$\Sigma HDD = 643$$

$$\Sigma PCN_L = 2.23''$$

$$\Sigma PCN_S = 22.2''$$

$$T_{RAMOS} = 0/-9$$

$$T_{UNV} = 0/-7$$

Sunday, January 16, 1994 0700 EST

Temp.		Wind	Barom.	General Obs.		
Max. 3 * °F	Dir. SW	Temp. 68 °F		* Record Min Max, previous 10°, 1912		
Min. -6 ** °F	Vel. 12 m.p.h.	Read. 29.37 in.		** Ties Record Min, also set in 1972		
Set -6 °F	Char. Gusts 18	Corr. 29.25 in.		OCNL SW - 1800-2100 LT		
				0700	1300	1900
R.H. 64 %	24 hr. Mov. - mi.	Sea L. 30.71 in.	Clds. 4/10 Cu	Clds.	Clds. 10/10 CS	
Ppn. .01 in.	Liq. -	Prev. Dir. -	3 hr. Tend. +2.6/mb	Wx windchill -38°F	Wx	Wx Moon Dimly Visible
Ppn. .1 in.	Sol. -	Snow Depth 10 in.	Observer DLD	Vis. 2.0 mi.	Vis. mi.	Vis. 7 mi.

$$\bar{T} = -2$$

$$HDD = 67$$

$$\Sigma HDD = 700$$

$$\Sigma PCN_L = 2.24''$$

$$S = 22.3''$$

$$T_{Ramas} = -6/-18$$

$$T_{unv} = -6/-14$$

OBS CONT

- OCNL gusts > 30 mph on afternoon of 15th with drifting snow
- windchill ~ -40°F most of day

$$\bar{T} = 3$$

$$HDD = 62$$

$$\Sigma HDD = 772$$

$$\Sigma PCN_L = 2.34''$$

$$\Sigma PCN_S = 23.5''$$

$$T_{ramos} = 9/0$$

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

Tuesday, Jan 18, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 25 °F	Dir. W	Temp. 69 °F	S- BS obs - 800 LT (PCN VERY LIGHT)			
Min. 6 °F	Vel. 15 m.p.h.	Read. 28.77 in.	S- BS 0800 - 2000 LT OCNL S- 2000 LT - 2230 LT			
Set 6 °F	Char. Gusty	Corr. 28.65 in.	0700	1300	1900	
R.H. 60 %	24 hr. Mov. — mi.	Sea L. 29.95 in.	Clds. 5/10 AC, SC	Clds. 5/10 AC	Clds. 2/10 CU	
Ppn. Liq. .28 in.	Prev. Dir. —	3 hr. Tend. +2/ mb	Wx SW- BS FRIGID!	Wx SWLL Tussy Rdg. SW	Wx windy, v. cold blowing snow	
Ppn. Sol. 3.4" in.	Snow Depth 13 in.	Observer MDP	Vis. 1045 mi.	Vis. 15 V 25 mi.	Vis. 6 mi.	

$$\bar{T} = 16$$

$$HDD = 49$$

$$\Sigma HDD = 821$$

$$\Sigma PCN_L = 2.62''$$

$$\Sigma PCN_S = 26.8''$$

$$T_{Keros} = 4/-7$$

$$T_{UVV} = 6/-3$$

Wednesday, January 19, 1994
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max. *	6 °F	Dir. SW	Temp. 68 °F	* Record Min Max, previous 7°, 1977			
Min. **	-18 °F	Vel. 10 m.p.h.	Read. 29.31 in.	** Record Min, previous -13, 1904 - sets all-time record for January - 2 nd coldest Min on record (over)			
Set	-18 °F	Char. steady	Corr. 29.19 in.	0700	1300	1900	
R.H.	56 %	24 hr. Mov. - mi.	Sea L. 30.50 in.	Clds. 0/10	Clds. 0/10	Clds. 0/10	
Ppn. Liq.	T in.	Prev. Dir. -	3 hr. Tend. 2.5 / mb	Wx A bit nippy!	Wx Bright sun, but ice cold	Wx Few Ci W Still Cold	
Ppn. Sol.	T in.	Snow Depth 13 in.	Observer HDS	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\bar{T} = -6$$

$$HDD = 71$$

$$\Sigma HDD = 892$$

$$\Sigma PCN_L = 2.62''$$

$$\Sigma PCN_S = 26.9''$$

$$T_{\text{max}} = -16 / -28$$

$$T_{\text{min}} = -18 / -26$$

OCNL SW-
AM + PM

* max temp = previous day set temp

Thursday January 20, 1994 0700 EST

Temp.			Wind	Barom.	General Obs.		
Max. *	Dir.	Temp.			* Record min max, previous		
-1 °F	W	72 °F			12°, 1940		
Min. **	Vel.	Read.			** Record min, previous		
-18 °F	6 m.p.h.	29.36 in.			-4°, 19		
Set	Char.	Corr.			OVERNIGHT MIN = -8 OCCURRED ~ 0100 LT		
-3 °F	Light	29.93 in.		0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.		Clds. Ci	Clds.	Clds.	
53 %	- mi.	30.73 in.		5/10 -Ac	0/10	0/10	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.		Wx Still	Wx	Wx	
T in.	-	+0.9 / mb		a tad cold	Frigid	Crystal clear	
Ppn. Sol.	Snow Depth	Observer		Vis.	Vis.	Vis.	
T in.	13 in.	DLD		15 mi.	20 mi.	15 mi.	

$$\bar{T} = -10$$

$$HDD = 75$$

$$\Sigma HDD = 367$$

$$\Sigma PCN_L = 2.62''$$

$$\Sigma PCN_S = 26.9''$$

$$T_{Ramos} = -1/-14$$

$$T_{unv} = -3/-18$$

OBS CONT

- qcnl SW-- (few flakes) around midnight
- tied for 3rd coldest mean on record
coldest was -13° on Feb 10, 1899

Friday, January 21, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	13 °F	Dir. 55W	Temp. 73 °F	Sc clouds visible over Tussey Ridge towards the SE.		
Min.	-8 °F	Vel. 3 m.p.h.	Read. 29.40 in.	*-36°F recorded in Barrens (T. MINER, C. MAROUS, P. MAROUS, A. CANTER, M. WOLF, J. VINUTI)		
Set	-5 °F	Char. very light	Corr. 29.27 in.	0700	1300	1900
R.H.	49 %	24 hr. Mov. - mi.	Sea L. 30.58 in.	Clds. 3/10 SC	Clds. 5/10 Ci Cs	Clds. 4/10 CLS
Ppn. Liq.	0 in.	Prev. Dir. -	3 hr. Tend. +0.8 mb	Wx still quite cold	Wx Thin Haze	Wx chilly
Ppn. Sol.	0 in.	Snow Depth 13 in.	Observer PAF	Vis. 20 mi.	Vis. 20 mi.	Vis. 20 mi.

$$\bar{T} = 3$$

$$HDD = 62$$

$$\Sigma HDD = 1029$$

$$\Sigma PCN_L = 2.62''$$

$$\Sigma PCN_S = 26.9''$$

$$T_{RAMOS} = 1/-7$$

$$T_{UNV} = -6/-22$$

Saturday, January 22, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	17 °F	Dir.	W	Temp.	73 °F	Overnight Low = 11°		
Min.	-5 °F	Vel.	15 m.p.h.	Read.	28.87 in.			
Set	17 °F	Char.	6vst 25	Corr.	28.75 in.			
R.H.	64 %	24 hr. Mov.	- mi.	Sea L.	30.22 in.	0700	1300	1900
Ppn.	T in.	Prev. Dir.	-	3 hr. Tend.	+1 / mb	Clds.	Clds.	Clds.
						10/10 SC		6/10 Cu
						Wx	Wx	Wx
						SW-		Breezy
Ppn.	T in.	Snow Depth	13 in.	Observer	MOP	Vis.	Vis.	Vis.
						4.5 mi.	mi.	15 mi.

$$\begin{aligned}\bar{T} &= 6 \\ H_{00} &= 59 \\ \sum H_{00} &= 1088 \\ \sum PCN_1 &= 2.62'' \\ \sum PCN_2 &= 26.9''\end{aligned}$$

$$\begin{aligned}T_{RAMOS} &= 14/2 \\ T_{UNV} &= 16/9\end{aligned}$$

Sunday January 23, 1994 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	25 °F	Dir.	W	Temp.	74 °F	min occurred ~ 0100 LT occ SW - 0700-0900 LT ZL-, S- 0545-0630 LT		
Min.	12 °F	Vel.	6 m.p.h.	Read.	28.95 in.			
Set	21 °F	Char.	Light	Corr.	28.82 in.			
R.H.	68 %	24 hr. Mov.	- mi.	Sea L.	30.25 in.	0700	1300	1900
Ppn.	T in.	Prev. Dir.	-	3 hr. Tend.	-1.71 mb	Clds.	Clds.	Clds.
						10/10 St		10/10 St
						Wx	Wx	Wx
						Foggy		low clouds
Ppn.	T in.	Snow Depth	12 in.	Observer	DLD	Vis.	Vis.	Vis.
						5 mi.	mi.	6 mi.

$$\bar{T} = 19$$

$$HDD = 46$$

$$\Sigma HDD = 1134$$

$$\Sigma PCN_L = 2.62'$$

$$\Sigma PCN_S = 26.9''$$

$$T_{RAMOS} = 19/10$$

$$T_{WNY} = 29/14$$

Monday January 24, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	40 °F	Dir.	SW	Temp.	74 °F	SW - 1000 - 1030 LT FROPA (warm) ~20 00 LT		
Min.	21 °F	Vel.	10 m.p.h.	Read.	28.85 in.			
Set	37 °F	Char.	Gusting 16	Corr.	28.72 in.	* overnight low = 37		
						0700	1300	1900
R.H.	82 %	24 hr. Mov.	- mi.	Sea L.	30.03 in.	Clds.	Clds.	Clds.
						10/10 St	10/10 St	10/10 St
Ppn.	T in.	Prev. Dir.	-	3 hr. Tend.	+1.75 mb	Wx	Wx	Wx
						Grey Ovc + Foggy	windy	Breezy
Ppn.	T in.	Snow Depth	9 in.	Observer	HDS	Vis.	Vis.	Vis.
						2.5 mi.	12 mi.	10 mi.

$$\bar{T} = 31$$

$$HDD = 34$$

$$\Sigma HDD = 1168$$

$$\Sigma PCN_L = 2.62''$$

$$\Sigma PCN_S = 26.9''$$

$$T_{\text{trans}} = 37/26$$

$$T_{\text{UNV}} = 37/31$$

$$T = 37$$

$$T_w = 35$$

$$T_0 = 32$$

Tuesday, Jan 25, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.						
Max.	39 °F	Dir.	Calm		Temp.	75 °F	A few brief periods of drizzle during day.						
Min.	36 °F	Vel.	0 m.p.h.		Read.	28.94 in.							
Set	36 °F	Char.	Calm		Corr.	28.80 in.							
R.H.	90 %	24 hr. Mov.	- mi.		Sea L.	30.22 in.	0700	1300	1900				
Clds.	10/10 St	Clds.	10/10 St		Clds.	-X							
Ppn.	T in.	Prev. Dir.	-		3 hr. Tend.	0 - mb	Wx	Mild	Wx	Fog & Drizzle	Wx	S-F	
Ppn.	0 in.	Sol.	Snow Depth		6 in.	Observer	MDP	Vis.	10 V 6 mi.	Vis.	1 1/2 mi.	Vis.	1 mi.

$$\bar{T} = 38$$

$$HDD = 27$$

$$\sum HDD = 1195$$

$$\sum PCN_L = 2.62''$$

$$\sum PCN_S = 26.9''$$

$$T_{RAMOS} = 36/29$$

$$T_{UNV} = 35/31$$

$$T = 36 \quad T_w = 35 \quad T_o = 33.5$$

Wednesday January 26, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max. *	36 °F	Dir.	N	Temp.	70 °F	OCNL L- 1045-1715 LT R- 1715-1835 LT R-S- 1835-1850 LT PCN _{Liq} = 0.13 in. @ 1850 LT S- 1850-0700 LT (OBS) (OCNL S) (over)		
Min.	18 °F	Vel.	12 m.p.h.	Read.	29.10 in.			
Set	18 °F	Char.	Gusty	Corr.	28.98 in.	0700	1300	1900
R.H.	80 %	24 hr. Mov.	- mi.	Sea L.	30.29 in.	Clds.	Clds.	Clds.
Ppn.	.63 in.	Prev. Dir.	-	3 hr. Tend.	+4.0 / mb	-X	10/10 St	10/10 St
						Wx	Wx	Wx
						S-	Breezy, cold	Cold
Ppn.	3.5 in.	Snow Depth	7 in.	Observer	HDS	Vis.	Vis.	Vis.
						1 1/2 v. 5 mi.	5 mi.	10 mi.

$$\bar{T} = 27$$

$$\text{HDD} = 38$$

$$\Sigma \text{HDD} = 1233$$

$$\Sigma \text{PCN}_L = 3.25''$$

$$\Sigma \text{PCN}_S = 30.4''$$

$$T_{\text{AMOS}} = 17/10$$

$$T_{\text{UNV}} = 17/13$$

- max temp = previous day set temp
- temperature steady or falling throughout period
- visibility higher E at obs

Thursday January 27, 1994 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	19 °F	Dir.	S	Temp.	69 °F	S- obs (26 th) - 0900 LT (.02" Liquid) SW-- 2000-2230 LT SW-- 0330-0345 LT		
Min.	15 °F	Vel.	6 m.p.h.	Read.	29.31 in.			
Set	16 °F	Char.	Light	Corr.	29.19 in.			
R.H.	70 %	24 hr. Mov.	— mi.	Sea L.	30.69 in.	0700	1300	1900
Ppn.	.02 in.	Prev. Dir.	—	3 hr. Tend.	+0.11 mb	Clds.	Clds.	Clds.
Ppn.	.2 in.	Snow Depth	7 in.	Observer	DLD	10/10 S+	10/10 NS	10/10 NS
						Wx Cloudy f Cold	Wx light snow	Wx sleet
						Vis.	Vis.	Vis.
						12 mi.	3.5 mi.	2V3 mi.

$$\bar{T} = 17$$

$$HDD = 48$$

$$\Sigma HDD = 1281$$

$$\Sigma PCN_L = 3.27''$$

$$\Sigma PCN_S = 30.6''$$

$$T_{RAMOS} = 15/5$$

$$T_{WYV} = 16/9$$

Friday, January 22, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	33 °F	Dir.	NE	Temp.	70 °F	S- 0730 - 1500 LT		
Min.	15 °F	Vel.	3 m.p.h.	Read.	28.63 in.	ZL- 1500 - 1600 LT		
Set	33 °F	Char.	light	Corr.	28.51 in.	IP- 1600 - 2100 LT		
R.H.	78 %	24 hr. Mov.	- mi.	Sea L.	29.82 in.	IP 2100 - 0100 LT, IP-ZR R 0530 - 085 0100-0500 *temperature rising since min. LT		
Ppn.	1.21 in.	Prev. Dir.	-	3 hr. Tend.	-5.5 mb	Clds.	10/10 Nb	Clds.
Ppn.	3 in.	Snow Depth	9 in.	Observer	PAF	Vis.	3 mi.	Clds.
								10/10 St (BZNOVC)
						Wx An	icy mess!	Wx
								drying out, breezy
						Vis.	6 v. 20 mi.	Wx
								Breezy
						Vis.	15 mi.	

T - 24

T_{RAMOS} = 33/27

HDD = 41

T_{UNV} = NO DATA

Σ HDD = 1322

Σ PCN_L = 4.48"

Σ PCN_S = 33.6"

Saturday January 29, 1994
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.	General Obs.			
Max.	44 °F		Dir.	WNW		Temp.	66 °F		
Min.	31 °F		Vel.	15 m.p.h.		Read.	28.63 in.		
Set	31 °F		Char.	Gusting 30		Corr.	28.52 in.		
R.H.	60 %		24 hr. Mov.	- mi.		Sea L.	29.92 in.		
Ppn.	Liq.	.36 in.		Prev. Dir.	-		3 hr. Tend.	+2.21 mb	
Ppn.	Sol.	T in.		Snow Depth	7.0 in.		Observer	MOP	
							0700	1300	1900
							Clds. 10/10 st	Clds. 7/10 sc	Clds. 19/10 sc
							Wx Windy, Brsk	Wx Breezy	Wx BINOVC
							Vis. 15 mi.	Vis. 25 mi.	Vis. 20 mi.

R obs - 1015 LT
RW - 1625 LT
RW + 1645 LT
OCLL SW - 0030-0400 LT

$\bar{T} = 38^\circ$
HOD = 27
 $\Sigma HOD = 1317^\circ$
 $\Sigma PCN_2 = 4.84''$
 $\Sigma PCN_3 = 33.6''$

$T_{RAMOS} = 29/16$
 $T_{UNV} = 31/22$

Sunday JANUARY 30, 1934

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	31 * °F	Dir.	NW	Temp.	70 °F	SW- ~ 0900 LT (just flakes) *max temp was yesterday's set temp		
Min.	22 °F	Vel.	3 m.p.h.	Read.	29.00 in.			
Set	23 °F	Char.	Light	Corr.	28.88 in.			
R.H.	64 %	24 hr. Mov.	- mi.	Sea L.	30.32 in.	0700	1300	1900
Ppn.	Liq. 7 in.	Prev. Dir.	-	3 hr. Tend.	+1.1 ✓ mb	Clds.	Clds.	Clds.
Ppn.	Sol. 7 in.	Snow Depth	7 in.	Observer	DLD	Wx snow pack a sheet of ice!	Wx	Wx
						Vis.	Vis.	Vis.
						25 mi.	mi.	6 mi.

$$\bar{T} = 27$$

$$T_{\text{RAMOS}} = 22/9$$

$$HDD = 38$$

$$T_{\text{UNV}} = 22/12$$

$$\sum HDD = 1387$$

$$\sum PCN_L = 4.84''$$

$$S = 33.6''$$

Monday January 31, 1994

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	28 °F	Dir.	-	Temp.	70 °F	
Min.	11 °F	Vel.	0 m.p.h.	Read.	28.99 in.	
Set	13 °F	Char.	calm	Corr.	28.87 in.	
R.H.	78 %	24 hr. Mov.	- mi.	Sea L.	30.18 in.	
Ppn.	0 in.	Prev. Dir.	-	3 hr. Tend.	-0.5L mb	
Ppn.	0 in.	Snow Depth	7 in.	Observer	HDS	
				0700	1300	1900
				Clds.	Clds.	Clds.
				-9/10 CS	-9/10 CS	6/10 CS
				Wx	Wx	Wx
				uneventful	cold	cold
				Vis.	Vis.	Vis.
				20 mi.	20 mi.	20 mi.

$$\bar{T} = 20$$

$$HDD = 45$$

$$\Sigma HDD = 1432$$

$$\Sigma PCN_L = 4.84''$$

$$\Sigma PCN_S = 33.6''$$

$$T_{ramos} = 11/2$$

$$T_{UNV} = 10/5$$