

Monday, March 3, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 34 °F	Dir. SW	Temp. 73 °F	BKNVC SUN VISIBLE @ HORIZON			
Min. 7* °F	Vel. 10 m.p.h.	Read. 28.95 in.	QVNT LOW: 17°F			
Set 24 °F	Char. Steady	Corr. 28.82 in.	0700	1300	1900	
R.H. 47 %	24 hr. Mov. NA mi.	Sea L. 3026 in.	Clds. 10/10	Clds. -9/10	Clds. 3/10	
Ppn. 0 in.	Liq. NA	Prev. Dir. NA	3 hr. Tend. 0-1 mb	Wx Cold & Breezy	Wx bright, calm	Wx M. Clear + Fairly Calm
Ppn. 0 in.	Sol. 0 in.	Snow Depth 8 in.	Observer JGG	Vis. 20 mi.	Vis. 15H mi.	Vis. 10 mi.

$$T_{\text{RAMS}} = 22$$

$$T_{\text{RAMS}} = 5$$

$$T_{\text{LOW}} = 8$$

$$\bar{T} = 21$$

$$HDD = 44$$

$$\Sigma HDD = 44$$

$$\Sigma PEN_1 = 0.00''$$

$$\Sigma PEN_5 = 0.0''$$

Tuesday, March 2, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	41 °F	Dir.	W	Temp.	74 °F	* overnight low ~ 30 - hazy	
Min.	24 °F	Vel.	12 m.p.h.	Read.	28.68 in.		
Set	37 °F	Char.	Steady	Corr.	28.55 in.	0700	1300
R.H.	72 %	24 hr. Mov.	NA mi.	Sea L.	29.93 in.	Clds.	10/10 St
Ppn.	0 in.	Prev. Dir.	NA	3 hr. Tend.	+0.5 mb	Wx	Grey skies, Breezy, Cool
Ppn.	0 in.	Snow Depth	7 in.	Observer	HDS	Wx	"mild" Evening
						Vis.	8 mi.
						Vis.	6 mi.

$\bar{T} = 33$
HDD = 32
 $\Sigma \text{HDD} = 76$
 $\Sigma \text{PCN}_L = 0.0''$
 $\Sigma \text{PCN}_S = 0.0''$

$T_{\text{roof}} = 36$ $T_w = 33$

$T_o = 28$
 $T_{\text{UNV}} = 28$
 $T_{\text{ramos}} = 25$

Wednesday Mar. 3, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp		Wind	Barom.	General Obs.		
Max. 49 °F	Dir. WNW	Temp. 73 °F	~ HIGHEST MAX. TEMP. IN NEARLY 3 WEEKS (SINCE 2/11)			
Min. 33 °F	Vel. 8 m.p.h.	Read. 28.78 in.				
Set 35 °F	Char. STEADY	Corr. 28.66 in.	0700	1300	1900	
R.H. 82 %	24 hr. Mov. N/A mi.	Sea L. 3005 in.	Clds. -10/10 St	Clds. -10/10 St	Clds. -10/10 St	CS
Ppn. 0 in.	Liq. N/A	Prev. Dir.	3 hr. Tend. +1.5 mb	Wx cloudy, CALM	Wx bright, foggy	Wx chilly, breezy
Ppn. 0 in.	Sol.	Snow Depth 4 in.	Observer CPB	Vis. 6 mi.	Vis. 5 F mi.	Vis. 10 mi.

$$\bar{T} = 41$$

$$H_{\text{DD}} = 24$$

$$\sum H_{\text{DD}} = 100$$

$$T_{\text{roof}} = 36$$

$$T_w = 33$$

$$T_d = 30$$

$$T_{d_{\text{min}}} = 29$$

$$T_{d_{\text{RAMS}}} = 29$$

$$\sum \text{ppm}_L = 0.0''$$

$$\sum \text{ppm}_S = 0.0''$$

Thursday, 04 March 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	41 °F	Dir.	NE	Temp.	76 °F	0430 - 0600 LT L-		
Min.	34 °F	Vel.	10 m.p.h.	Read.	28.72 in.	0600 - 0630 LT R-		
Set	35 °F	Char.	Gusty	Corr.	28.58 in.	0630 - obs LT R- OCNL IP-		
R.H.	82 %	24 hr. Mov.	N/A mi.	Sea L.	29.97 in.	0700	1300	1900
Ppn.	0.02 in.	Prev. Dir.	N/A	3 hr. Tend.	-1V mb	Clds.	Clds.	Clds.
Ppn.	T in.	Snow Depth	2" in.	Observer	MHB	10/10 NS	10/10 NS	10/10 NS
						Wx	Wx	Wx
						rain, fog, sleet	Windy, Sleet Freezing Rain	Moderate Snow, Breezy
						Vis.	Vis.	Vis.
						4 FR - OCNL IP - mi.	2 v. 5 mi.	1/2 v. 3/4 mi.

$$\bar{T}_{\text{roof}} = 34 \quad T_w = 32$$

$$T_d = 29$$

$$T_{d_{uvv}} = 26$$

$$T_{d_{\text{Ramos}}} = 25$$

$$\bar{T} = 38$$

$$HDD = 27$$

$$\Sigma HDD = 127$$

$$\Sigma pen_L = 0.02''$$

$$\Sigma pen_S = T$$

Friday, March 5, 1993
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 35 °F	Dir. —		Temp. 76 °F	R- OCNL IP- 0700-0730 LT R- IP- S- 0730-1000 LT FQT GUSTS > 30 MPH		
Min. 31 °F	Vel. 0 m.p.h.		Read. 28.44 in.	ZR- IP- 1000-1325 LT FQT GUSTS > 40 MPH GUST TO 62 MPH 1248 LT (over)		
Set 33 °F	Char. Calm		Corr. 28.31 in.	0700	1300	1900
R.H. 92 %	24 hr. Mov. NA mi.		Sea L. 29.69 in.	Clds. 10/10 NS	Clds. 10/10 NS	Clds. 10/10
Ppn. 2.07 in.	Liq. *	Prev. Dir. NA	3 hr. Tend. +2.0/mb	Wx Light Snow Fog	Wx Light Snow fog	Wx S-F
Ppn. 9 in.	Sol.	Snow Depth 10 in.	Observer HDS	Vis. 1v.2 mi.	Vis. 3/4 FS-mi.	Vis. 1/4V 3/4 mi.

$\bar{T} = 33$
HDD = 32
 $\Sigma \text{HDD} = 159$
 $\Sigma \text{PCN}_L = 2.09''$
 $\Sigma \text{PCN}_S = 9''$

R-IP-S- 1325-1625 LT
(OCNL IP+)
GUST TO 64 MPH 1330 LT
S- (OCNL S) 1625-1900 LT
S 1900-2300 LT
S- 2300-0700 LT
(IP ALLUM. $\sim 2.5''$)

* REL. PRECIP FOR ONE

$T_{\text{ROOF}} = 31$
 $T_{\text{DUNV}} = 31$
 $T_{\text{ATMOS}} = 27$

Saturday, March 6, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 34 °F		Dir. WSW	Temp. 75 °F	Rime closely visible on trees on all ridges, especially on Zesty. In most of day dense fog ~ 1800-2000 & 4 Remains low: 29		
Min. 31 °F		Vel. 6-10 m.p.h.	Read. 28.65 in.			
Set 31 °F		Char. Good To 14	Corr. 28.52 in.			
R.H. 72 %		24 hr. Mov. NA mi.	Sea L. 29.93 in.	Clds. 10/10 Stratus Alto	Clds. SC Alto	Clds.
Ppn. .37 in.	Liq.	Prev. Dir. NA	3 hr. Tend. +6.5 mb	Wx cool but Comfortable!	Wx SW-- Rime seen with 29	Wx
Ppn. 2.6 in.	Sol.	Snow Depth 8 in.	Observer DHG	Vis. 10 mi.	Vis. 6 mi. Very Hazy	Vis. mi.

$\bar{T} = 33$
 $NDD = 32$
 $\Sigma NDD = 191$
 $\Sigma PCN_2 = 2.46''$
 $\Sigma PCN_3 = 11.6''$

$T_{ans} =$
 $T_{ans} = 26$
 $T_{ans} = 21$

Sunday March 7 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	35 °F	Dir.	SW	Temp.	76 °F	• a few wet flakes the afternoon of the 6th, but no-thing in gauge.		
Min.	21 °F	Vel.	7 m.p.h.	Read.	28.78 in.			
Set	22 °F	Char.	steady	Corr.	28.64 in.			
R.H.	74 %	24 hr. Mov.	NA mi.	Sea L.	30.06 in.	0700	1300	1900
Clds.	0/10	Clds.	scattered	Clds.	scattered	Clds.	scattered	Clds.
Ppn.	T in.	Prev. Dir.	NA	3 hr. Tend.	± 0 mb	Wx	Haze	Wx
Wx	• Haze	Wx	• Haze	Wx	• Haze	Wx	Very Hazy	Wx
Ppn.	T in.	Snow Depth	8 in.	Observer	JCK	Vis.	15 mi.	Vis.
Vis.	15 mi.	Vis.	15 mi.	Vis.	20 mi.	Vis.	15 mi.	Vis.

$$T_{\text{roof}} = 25$$

$$T_{\text{L sun}} = 18$$

$$T_{\text{L sun}} = 14$$

$$\overline{T} = 28$$

$$H_{\text{BD}} = 37$$

$$\sum H_{\text{BD}} = 228$$

$$\sum PCN_L = 2.46''$$

$$\sum PCN_S = 11.6''$$

Monday, March 8 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	47 °F	Dir.	SSW	Temp.	76 °F	Shaw ~ 0400 LT		
Min.	22 °F	Vel.	6-10 n.p.h.	Read.	28.50 in.	Rains overnight low: 35 20400 LT		
Set	39 °F	Char.	Steady	Corr.	28.37 in.	0700	1300	1900
R.H.	82 %	24 hr. Mov.	NA mi.	Sea L.	29.74 in.	Clds.	Clds. 2/10 SC 10/10 AS	Clds. 10/10
Ppn.	T in.	Prev. Dir.	NA	3 hr. Tend.	-0.8 mb	Wx Shaw arriving from SW-W	W Dark snow RW - Rough along Hwy	Wx Breezy
Ppn.	0 in.	Snow Depth	6 in.	Observer	DHG	Vis. Lower in West 8-12 mi.	Vis. (To SW) 5 (East mi) Roads	Vis. 15 mi.

$$T_{\text{conf}} = 38$$

$$T_{\text{conf}} = 37 \quad T_{\text{conf}} = 39$$

$$T_{\text{ran}} = 28$$

$$T_{\text{unv}} = 30$$

$$\bar{T} = 35$$

$$NDD = 30$$

$$\Sigma HDD = 258$$

$$\Sigma PCN_2 = 2.46''$$

$$\Sigma PCN_3 = 11.6''$$

Tuesday March 9 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max.	43 °F	Dir.	W	Temp.	73 °F	<ul style="list-style-type: none"> • R-- 1300-1320 • R- 1300-1345 • A-15- 1345-1430 • R-- and A- 1430-1630 • INTPT S-1/A- 1630-085 (w/ NUMEROUS EXTENDED TEG TIMES) 					
Min.	32 °F	Vel.	15 m.p.h.	Read.	28.69 in.						
Set	32 °F	Char.	slightly var. S-wind	Corr.	28.56 in.						
R.H.	53 %	24 hr. Mov.	NA mi.	Sea L.	29.96 in.				Clds.	0700	1300
Ppn.	.15 in.	Prev. Dir.	NA	3 hr. Tend.	+3 1/2 / mb	Wx	10/10 Sc Ci	Clds.		Clds.	BKN
Ppn.	T in.	Snow Depth	5 in.	Observer	JK	Wx	mostly B-cumy	Wx		Wx	3200ZF • cool
						Vis.	25 mi.	Vis.		Vis.	15 mi.

$$T_{avg} = 31$$

$$T_{down} = 16$$

$$T_{up} = 21$$

$$\bar{T} = 38$$

$$HDD = 27$$

$$\sum HDD = 285$$

$$\sum PCN_2 = 2.61''$$

$$\sum PCN_3 = 11.6''$$

$$T_{\text{avg}} = 23$$

$$T_{\text{dr}} = 9$$

$$T_{\text{down}} = 12$$

$$T = 32$$

$$HDD = 33$$

$$\sum HDD = 318$$

$$\sum PCN_L = 2.61''$$

$$\sum PCN_S = 11.6''$$

Thursday, 11 March 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	35 °F	Dir.	W	Temp.	74 °F	S - B	1120 → 1300 LT	
Min.	24 °F	Vel.	15 m.p.h.	Read.	28.69 in.	S	1440 - 1450 LT 1555 - 1625 LT ocnl S 1645 - 1725	
Set	25 °F	Char.	breezy	Corr.	28.56 in.	SW - ocnl S - 0630 - 0700 LT		
R.H.	61 %	24 hr. Mov.	N/A mi.	Sea L.	29.98 in.	Clds.	0700	1300
Ppn.	0.17 in.	Prev. Dir.	N/A	3 hr. Tend.	12.3 / mb	Clds.	BKN sc	1900
Ppn.	2.3 in.	Snow Depth	6 in.	Observer	MHR	Wx	some fog E, SW -	Wx
						Vis.	7 mi.	15 mi.

$$T_{\text{roof}} = 23$$

$$T_{\text{d Ramos}} = 9$$

$$T_{\text{duvv}} = 14$$

$$\bar{T} = 30$$

$$HDO = 35$$

$$\sum HDO = 353$$

$$\sum \text{pen}_L = 2,78''$$

$$\sum \text{pen}_S = 13,3''$$

Friday March 12, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 35 °F	Dir. —		Temp. 74 °F	• ONLY SW - 0700 (11th) clear day • Periods of bright extensive sunshine on 11th at well		
Min. 24 °F	Vel. 0 m.p.h.	Read. 29.00 in.				
Set 25 °F	Char. Calm	Corr. 28.87 in.				
				0700	1300	1900
R.H. 68 %	24 hr. Mov. NA mi.	Sea L. 30.31 in.	Clds. Sa 10/10 few streaks	Clds. As 8/10 Sc 2/10	Clds. Sc 9/10 As	
Ppn. T in.	Liq. in.	Prev. Dir. NA	3 hr. Tend. +2 mb	Wx • Dim sunshine • light snow	Wx	Wx
Ppn. T in.	Sol. in.	Snow Depth 6 in.	Observer JK	Vis. 10 mi.	Vis. 10 mi.	Vis. 15 mi.

$$T_{\text{roof}} = 24$$

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

$$T_{\text{down}} = 18$$

$$\bar{T} = 30$$

$$HDD = 35$$

$$\sum HDD = 388$$

$$\sum PCN_L = 2.78''$$

$$\sum PCN_S = 13.3''$$

Saturday March 13 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F	Dir. NNE	Temp. 72 °F	Read. 28.64 in.	• clear sun, SW-brazy daytime 1200 • Snow began 0215 LT and has been mostly S 80000, some S-		
Min. 25 °F	Vel. 74 ¹³ m.p.h.	Corr. 28.51 in.				
Set 28 °F	Char. Slightly cloudy					
R.H. 78 %	24 hr. Mov. NA mi.	Sea L. 29.92 in.	Clds. 10/10	Clds. 10/10	Clds. 10/10	
Ppn. .18 in.	Liq. Prev. Dir. NA	3 hr. Tend. -4 mb	Wx • Snow • Drizzle (light)	Wx St	Wx St+BS	
Ppn. 2.5 in.	Sol. Snow Depth 7 in.	Observer JCK	Vis. 1/4 or 1/2 mi.	Vis. 1/8 mi.	Vis. 1/6 or 1/8 mi.	

$$T_{\text{Roof}} = 27$$

$$T_{\text{Room}} = 21$$

$$T_{\text{Down}} = 24$$

$$T = 32$$

$$HOD = 33$$

$$\Sigma HOD: 421$$

$$\Sigma PEN_2 = 2.96''$$

$$\Sigma PEN_3 = 15.3''$$

Sunday, March 14, 1973

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. 28 °F	Dir. W	Temp. 70 °F	5 obs → 0900 LT (COVER)				
Min. 10 °F	Vel. 640 24 m.p.h.	Read. 28.26 in.	S+BS - 0900 → 0930 SCALE SW - 0900 → 0930 PRWD - 54 MPH @ 0934 LT				
Set 10 °F	Char. Gusty	Corr. 28.14 in.	LOWEST STATION PRESSURE = 933 mb LOWEST APPROX. MSL PRES. = 979 mb				
R.H. 61 %	24 hr. Mov. NA mi.	Sea L. 29.59 in.	0700	1300	1900		
Ppn. * 1.92 in.	Prev. Dir. NA	3 hr. Tend. +6.0/ mb	Clds. 10/10	Clds.	Clds. 1/10		
Ppn. * 25.0 in.	Sol. 26 in.	Snow Depth 26 in.	Observer JGG	Wx Ocnl BS	Wx	Wx BS	
			Vis. 10 mi.	Vis.	Vis. 15 mi.		

* NEW LIQUID AND SOLID PRECIPITATION RECORDS FOR THIS DATE
(24 HR TOTALS)

** ALL TIME RECORD FOR 24 HR. SNOWFALL
(OLD RECORD = 17.6")

*** TIED FOR 2ND HIGHEST STORM TOTAL EVER (27.5")

$T_{\text{RAVINS}} = 7$

$\bar{T} = 19$

$T_{\text{PRAVINS}} = -2$

$HDD = 46$

$T_{\text{D WNV}} = NA$

$\Sigma HDD = 467$

$\Sigma PCN_4 = 4.88"$

$\Sigma PCN_5 = 40.3"$

MON. MAR. 15, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. [*] 19 °F	Dir. SW	Temp. 69 °F	OCNL SW - ESP. 1545-50LT FRT GUSTS 50+ MPH 1300-1400LT			
Min. ^{**} -1 °F	Vel. 7 m.p.h.	Read. 29.19 in.	* REC MIN MAX FOR DATE ** REC MIN FOR DATE *** EST. AFTER MANY SAMPLINGS			
Set 0 °F	Char. SV10	Corr. 29.07 in.	0700	1300	1900	
R.H. 89 %	24 hr. Mov. NA mi.	Sea L. 30.40 in.	Clds. 0/10	Clds.	Clds. 0/10	
Ppn. Liq. .01 in.	Prev. Dir. NA	3 hr. Tend. +3.5 / mb	Wx CLR + COLD!	Wx	Wx Tranquil	
Ppn. Sol. 0.2 in.	Snow Depth 25 *** in.	Observer JHM	Vis. 15V20 mi.	Vis.	Vis. mi. 20 mi.	

$$\bar{T} = 9$$

$$H_{DD} = 56$$

$$\Sigma H_{DD} = 523$$

$$T_{\text{ramos}} = 2$$

$$T_{\text{d rams}} = -3$$

$$T_{\text{d unv}} = -2$$

} used
Avg.

$$\Sigma PCN(L) = 4.89''$$

$$\Sigma PCN(S) = 41.1''$$

$$T_{\text{AMOS}} = 22$$

$$T_{\text{DRAMOS}} = 4$$

$$T_{\text{down}} = 6$$

$$\bar{T} = 14$$

$$H_{\text{DD}} = 51$$

$$\Sigma H_{\text{DD}} = 574$$

$$\Sigma PCN_{\text{L}} = 4.89''$$

$$\Sigma PCN_{\text{S}} = 41.1'$$

WED. MAR. 17, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 45 °F	Dir. SSW	Temp. 72 °F	* OVRNT LO = 38 PCPN VRY LGT RW-0500-obs ** SNOW DEPTH VARIES 1" - 36"			
Min. 24* °F	Vel. 12 m.p.h.	Read. 28.98 in.				
Set 39 °F	Char. G TO 22	Corr. 28.85 in.	0700	1300	1900	
R.H. 76 %	24 hr. Mov. NA mi.	Sea L. 30.23 in.	Clds. 10/10	Clds. 10/10 NS	Clds. 4/10 SC	
Ppn. .04 in.	Liq. Prev. Dir. NA	3 hr. Tend. -.5 mb	Wx RW-	Wx RW-	Wx chilly, breezy	
Ppn. 0 in.	Sol. Snow Depth 17*** in.	Observer JHM	Vis. 10 mi.	Vis. 5F mi.	Vis. 10 mi.	

$$\bar{T} = 35$$

$$H_{00} = 30$$

$$\Sigma H_{00} = 604$$

$$\Sigma PCN(L) = 4.93''$$

$$\Sigma PCN(S) = 41.1''$$

$$T_{d \text{ ranges}} = 30$$

$$T_{d \text{ unv}} = 33$$

Thursday, 18 March 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	42 °F	Dir.	N	Temp.	70 °F	OCNL RW-, L- obs - 1230LT		
Min.	7 °F	Vel.	10 m.p.h.	Read.	29.28 in.	L- 1400-1500 LT		
Set	9 °F	Char.	breezy	Corr.	29.16 in.	0700	1300	1900
R.H.	72 %	24 hr. Mov.	N/A mi.	Sea L.	30.66 in.	Clds.	Clds.	Clds.
Ppn.	0.07 in.	Prev. Dir.	N/A	3 hr. Tend.	+1.9/mb	Wx	Wx	Wx
Ppn.	T in.	Snow Depth	16 in.	Observer	MHB	bitter cold breezy	Crystal Clear, Cold, L. Breeze	Clear & Cold
						Vis.	Vis.	Vis.
						25 mi.	25 mi.	20 mi.

$$T_{\text{roof}} = 9$$

$$T_{\text{d Ramos}} = -1$$

$$T_{\text{d unv}} = -3$$

$$\bar{T} = 25$$

$$HDD = 40$$

$$\sum HDD = 644$$

$$\sum pen_L = 4.93''$$

$$\sum pens = 41.1''$$

Friday, March 19, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	28 °F	Dir.	NE	Temp.	70 °F	* Tied Record Low Set in 1967			
Min.	3 °F	Vel.	5 m.p.h.	Read.	29.46 in.				
Set	5 °F	Char.	Steady	Corr.	29.34 in.				
R.H.	67 %	24 hr. Mov.	NA mi.	Sea L.	30.87 in.	Clds.	0/10	1300 Clds. 8/10	1900 Clds. 7/10-
Ppn.	0 in.	Prev. Dir.	NA	3 hr. Tend.	+1.0 mb	Wx	Clear, Bitterly Cold	Wx	bright, light winds
Ppn.	0 in.	Snow Depth	15 in.	Observer	HDS	Vis.	25 mi.	Vis.	25 mi.
						Vis.	25 mi.	Vis.	25 mi.

Wx
pleasant,
yet cold

$\bar{T} = 16$
HDD = 49
 $\Sigma \text{HDD} = 693$
 $\Sigma \text{PCN}_L = 4.93''$
 $\Sigma \text{PCN}_S = 41.1''$

$T_{\text{ROOF}} = 4$
 $T_{\text{drains}} = -5$
 $T_{\text{UNV}} = -4$

Saturday March 20, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	34 °F	Dir.	S	Temp.	71 °F			
Min.	** 5* °F	Vel.	6 m.p.h.	Read.	29.25 in.	* QUNT LOW = 25		
Set	26 °F	Char.	Steady	Corr.	29.12 in.	** TIES RECORD LOW FOR THE DATE		
						0700	1300	1900
R.H.	55 %	24 hr. Mov.	NA mi.	Sea L.	30.57 in.	Clds. 10/10	Clds.	Clds. 10/10
Ppn.	0 in.	Prev. Dir.	NA	3 hr. Tend.	+0.1 mb	Wx Cloudy & Cool	Wx	Wx cloudy cool
Ppn.	0 in.	Snow Depth	13 in.	Observer	JGG	Vis. 10-15 mi.	Vis.	Vis. 10 mi.

$$T_{\text{RAMOS}} = 24$$

$$T_{\text{D RAMOS}} = 10$$

$$T_{\text{DOWN}} = 14$$

$$\bar{T} = 20$$

$$H_{\text{OD}} = 45$$

$$\Sigma H_{\text{OD}} = 738$$

$$\Sigma PCNL = 4.93''$$

$$\Sigma PCNS = 41.1''$$

Sunday, 21 March 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	35 °F	Dir.	SW	Temp.	72 °F	IP- ocnl SW- 1200-1300		
Min. *	26 °F	Vel.	7 m.p.h.	Read.	29.04 in.	ZL- ocnl ZR- 1820-1900		
Set	33 °F	Char.	steady	Corr.	28.91 in.	S- ocnl SW- 2230-0330		
R.H.	87 %	24 hr. Mov.	N/A mi.	Sea L.	30.33 in.	* overnight low = 3*		
Ppn.	.10 in.	Prev. Dir.	N/A	3 hr. Tend.	+1.0/mb	0700	1300	1900
Ppn.	8 in.	Snow Depth	12 in.	Observer	MHB	Clds.	Clds.	Clds.
						10/10		7/10
						Wx	Wx	Wx
						foggy		pleasantly springish
						Vis.	Vis.	Vis.
						3 1/2 v 5 mi.		10 mi.

** estimated on various surf.

pleasantly
springish

$$T_{\text{roof}} = 31$$

$$T_{\text{d Rinos}} = 26$$

$$T_{\text{d unv}} = 29$$

$$\bar{T} = \cancel{29} 31$$

$$HDD = 3\cancel{4}$$

$$\Sigma HDD = 774$$

$$\Sigma \text{pen}_L = 5.03''$$

$$\Sigma \text{pen}_S = 41.9''$$

Monday March 22, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	45 °F	Dir.	Temp.	*Set just before midnight Fog in distance, all quads		
		-	72 °F			
Min.	29* °F	Vel.	Read.			
		0 m.p.h.	29.24 in.	0700	1300	1900
Set	34 °F	Char.	Corr.			
		Calm	29.11 in.			
R.H.	66 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		NA mi.	30.53 in.	10/10	-10/10	-4/10 CS
Ppn.	0 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		NA	+1.7/mb	Mild	mild, hazy	Calm, Hazy, Chilly
Ppn.	0 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		10 in.	JGG	7 mi.	10 mi.	10 mi.

$$T_{RAMS} = 34$$

$$T_{DRAMOS} = 24$$

$$T_{DOWN} =$$

$$T = 37$$

$$H_{DID} = 28$$

$$\Sigma H_{DID} = 802$$

$$\Sigma PCN_L = 5.03''$$

$$\Sigma PCN_S = 41.9''$$

Tuesday, March 23, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	44 °F	Dir.	SSE	Temp.	72 °F	* SUN DIMLY VISIBLE		
Min.	31 °F	Vel.	2 m.p.h.	Read.	29.21 in.			
Set	35 °F	Char.	light	Corr.	29.08 in.	0700	1300	1900
R.H.	64 %	24 hr. Mov.	NA mi.	Sea L.	30.49 in.	Clds. * -10/10 St	Clds. -10/10	Clds. -10/10
Ppn.	0 in.	Prev. Dir.	NA	3 hr. Tend.	+0.0- mb	Wx Chilly and Grey	Wx DRIZLE, OVC	Wx MODERATE RAIN SHRA
Ppn.	0 in.	Snow Depth	7 in.	Observer	HDS	Vis. 20 mi.	Vis. 4v.6 mi.	Vis. 4F mi.

$\bar{T} = 38$
HDD = 27
 $\Sigma \text{HDD} = 829$
 $\Sigma \text{PCNL} = 5.03''$
 $\Sigma \text{PCNS} = 41.9''$

$T_{\text{ROOF}} = 35$ $T_w = 31$

$T_o = 24$
 $T_{\text{ATMOSP}} = 19$
 $T_{\text{UNV}} = 21$

Wednesday Mar. 24, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	39 °F	Dir.	SE	Temp.	LA 1000-30 LT		
				72 °F	R- 1030-1800 LT		
Min.	34 °F	Vel.	2 m.p.h.	Read.	R 1800-2330 LT (ocnl R-)		
				28.97 in.	L- 0600 - obs (over)		
Set	34 °F	Char.	VRT. LIGHT	Corr.	*ESTIMATE FROM RANDOM MEAS.		
				28.84 in.	0700	1300	1900
R.H.	90 %	24 hr. Mov.	N/A mi.	Sea L.	Clds.	Clds.	Clds.
				30.26 in.	- 10/10 oc.		- 10/10
Ppn.	0.68 in.	Prev. Dir.	N/A	3 hr. Tend.	Wx	Wx	Wx
				+0.1 mb	DRIZZLE		FOG
Ppn.	0 in.	Snow Depth	6* in.	Observer	Vis.	Vis.	Vis.
				CPB	1/2 mi.		3/4 mi.

$$\bar{T} = 37$$

$$H_{DD} = 28$$

$$\sum H_{DD} = 857$$

$$\sum \text{PPN}_L = 5.71''$$

$$\sum \text{PPN}_S = 41.9''$$

$$T_{\text{roof}} = 34$$

$$T_w = 33$$

$$T_d = 32$$

$$[T_{d_{\text{atmos}}} = 30]$$

$$[T_{d_{\text{min}}} = 31]$$

PODDING ON CURBS/
ROADWAYS DUE TO POOR
DRAINAGE FROM SNOW
CONGESTION!

Thursday, 25 March 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 45 °F	Dir. NE	Temp. 73 °F	L-ocul R- 0600 1030			
Min. 34* °F	Vel. 2 m.p.h.	Read. 29.04 in.	** Estimated w/several random meas.			
Set 38 °F	Char. gusty	Corr. 28.91 in.	* overnight low = 38			
R.H. 93 %	24 hr. Mov. N/A mi.	Sea L. 30.31 in.	0700 Clds. 10/10 St	1300 Clds. 10/10 St	1900 Clds. 0/10	
Ppn. .01 in.	Liq. N/A	Prev. Dir. N/A	3 hr. Tend. +1 ✓ mb	Wx mild, foggy	Wx Chilly & Foggy	Wx Hazy & Mild
Ppn. 0 in.	Sol. 5** in.	Snow Depth 5** in.	Observer MHB	Vis. 3 1/2 v 5 mi.	Vis. 3 1/2 mi.	Vis. 9 mi.

$$T_{\text{roof}} = 37$$

$$T_w = 36$$

$$T_d = 35$$

$$T_{d_{\text{ramos}}} = 32$$

$$T_{d_{\text{uvv}}} = 33$$

$$\bar{T} = 40$$

$$HDD = 25$$

$$\sum HDD = 882$$

$$\sum \text{pen}_L = 5.72''$$

$$\sum \text{pens} = 41.9''$$

Friday, March 26, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	47 °F	Dir.	—	Temp.	73 °F			
Min.	27 °F	Vel.	0 m.p.h.	Read.	29.06 in.			
Set	28 °F	Char.	Calm	Corr.	28.93 in.	0700	1300	1900
R.H.	91 %	24 hr. Mov.	NA mi.	Sea L.	30.36 in.	Clds.	Clds.	Clds.
						X	-3/10	9/10
Ppn.	0 in.	Prev. Dir.	NA	3 hr. Tend.	+1.0 mb	Wx	Wx	Wx
						Dense Fog, Calm	sunny, mild foggy	very pleasant
Ppn.	0 in.	Snow Depth	4 in.	Observer	HDS	Vis.	Vis.	Vis.
						1/16 mi.	3/4 mi.	25 mi.

$\bar{T} = 37$
HDD = 28
 $\Sigma \text{HDD} = 910$
 $\Sigma \text{PCN}_L = 5.72''$
 $\Sigma \text{PCN}_S = 41.9''$

$T_{\text{roof}} = 28$
 $T_{\text{DUNV}} = 26$
 $T_{\text{Dramos}} = 25$

Saturday, March 27, 1993: 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max.	55 °F	Dir.	NE	Temp.	74 °F	- Fog obscuring base of mountains. DURANT 10 = 30					
Min.	28 °F	Vel.	6 m.p.h.	Read.	28.96 in.						
Set	33 °F	Char.	Steady	Corr.	28.83 in.						
R.H.	72 %	24 hr. Mov.	NA mi.	Sea L.	30.23 in.	Clds.	10	0700	1300	1900	
Ppn.	0 in.	Liq.	NA	Prev. Dir.	NA	3 hr. Tend.	+0 - mb	Wx	Sunny & clear	Wx	cloudy, rain
Ppn.	0 in.	Sol.	3 in.	Snow Depth	3 in.	Observer	JGG	Vis.	3v.6 mi.	Vis.	8 mi.

$$T_{RMS} = 36$$

$$T_{DRMS} = 28$$

$$T_{UNW} = 29$$

$$\bar{T} = 42$$

$$HDD = 23$$

$$\Sigma HDD = 933$$

$$\Sigma PCNL = 5.72''$$

$$\Sigma PCNS = 41.9''$$

$$T_{\text{roof}} = 43$$

$$T_w = 42$$

$$T_d = 41$$

$$T_{d_{\text{Ramos}}} = 39$$

$$T_{d_{\text{UNV}}} = 39$$

$$\bar{T} = 44$$

$$HDO = 21$$

$$\sum HDO = 954$$

$$\sum PCN_L = 5.90''$$

$$\sum PCN_S = 41.9''$$

Monday, March 29, 1973

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	50 °F	Dir.	-	Temp.	75 °F	L- obs → 0300 H 0615-0900 LT	
Min.	41 °F	Vel.	Ø m.p.h.	Read.	28.66 in.	VSBY < 1/8 mi 0615 → obs	
Set.	45 °F	Char.	Calm	Corr.	28.53 in.	0700	1300
R.H.	93 %	24 hr. Mov.	NA mi.	Sea L.	29.88 in.	Clds.	X
Ppn.	.18 in.	Prev. Dir.	NA	3 hr. Tend.	+0.57 mb	Clds.	10/10
Ppn.	Ø in.	Snow Depth	T in.	Observer	SGG	Wx	Foggy
				Observer	SGG	Wx	Patches of Fog, Mild
				Observer	SGG	Vis.	Ø mi.
				Observer	SGG	Vis.	1/2 mi.
				Observer	SGG	Vis.	6 mi.

$$T_{\text{ROOF}} = 47$$

$$T_W = 46$$

$$T_D = 45$$

$$T_{\text{DRAMES}} = 40$$

$$T_{\text{DOWN}} = 41$$

$$T = 46$$

$$HDD = 89$$

$$\Sigma HDD = 974$$

$$\Sigma PCN_L = 6.08'$$

$$\Sigma PCN_S = 41.9''$$

Tuesday, March 30, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 52 °F	Dir. SSW	Temp. 76 °F	- considerable fog in valley to E			
Min. 41 °F	Vel. 2 m.p.h.	Read. 28.66 in.	R- 0800 - 0930 LT			
			R- 1600 - 1800 LT			
			OCNL RW- 2000 - 2300 LT			
Set 42 °F	Char. light	Corr. 28.52 in.	0700	1100	1900	
R.H. 81 %	24 hr. Mov. NA mi.	Sea L. 29.88 in.	Clds. - 4/10 Ci	Clds. - 1/10 Ci	Clds. - 3/10 Ci	
Ppn. .20 in.	Liq. NA	Prev. Dir.	3 hr. Tend. +1.5/ mb	Wx Mostly Sunny +Mild	Wx Sunny & pleasant	Wx Mild, Nice Sunset
Ppn. 0 in.	Sol. T in.	Snow Depth	Observer HDS	Vis. 9 mi.	Vis. 20 mi.	Vis. 20 mi.

$\bar{T} = 47$
HDD = 18
 $\Sigma HDD = 992$
 $\Sigma PCN_L = 6.28''$
 $\Sigma PCN_S = 41.9''$

$T_{roof} = 42$ $T_w = 39.5$ $T_o = 36.5$
 $T_{down} = 37$
 $T_{atmos} = 35$

Wednesday March 31, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 66 °F	Dir. -	Temp. 75 °F	"SECOND WETTEST MARCH ON RECORD" (8.96" IN 1936)			
Min. 35 °F	Vel. 0 m.p.h.	Read. 28.76 in.	"WETTEST MONTH SINCE DECEMBER, 1990 (5.93")			
Set 37 °F	Char. CALM	Corr. 28.63 in.	"66° WARMEST SO FAR IN 1993"			
R.H. 72 %	24 hr. Mov. N/A mi.	Sea L. 30.02 in.	Clds. -0/10	Clds. 10/10 NS	Clds. 10/10 NS	
Ppn. 0 in.	Liq. N/A	Prex. Dir. N/A	3 hr. Tend. -0 mb	Wx Clear, Cool	Wx RW, mild	
Ppn. 0 in.	Sol. T in.	Snow Depth T in.	Observer CPB	Vis. 20 mi.	Vis. 5 mi.	

$$\bar{T} = 51$$

$$H_{\text{day}} = 14$$

$$\sum H_{\text{day}} = 1006$$

$$T_w = 34$$

$$T_d = 29$$

$$T_{d_{\text{atmos}}} = 29$$

$$T_{d_{\text{wet}}} = 31$$

$$\sum \text{ppw}_L = \frac{\text{---}}{6.35} / \sum \text{ppw}_S = \frac{\text{---}}{42.4}$$