SUN., DEC. 1, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 64 °F *	Dir. WNW	Temp. 74 °F	CLDS: ALMOST W/ WAVES RW: 1035-45 LT (.02") RW-: 1145-1200 Z(T) 1530-1600 Z(T)		
Min. 47 °F	Vel. 7 m.p.h.	Read. 29.00 in.			
Set 47 °F	Char. STDY	Corr. 28.87 in.	FROPA ~ 0100 LT / * 1° HRLY OF REC. MAX		
R.H. 59 %	24 hr. Mov. 173 mi.	Sea L. 30.24 in.	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq. .02 in.	Prev. Dir. SW	3 hr. Tend. ~+1.0 mb	Wx OVC	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{max} = 47$ $T_w = 41$ $T_d = 335$

$T_{d\ min} = 34$

$T_{d\ range} = 30$

$\overline{T} = 56$

$H_{DD} = 9$

$\Sigma H_{DD} = 9$

$\Sigma_{PPN(L)} = .02''$

$\Sigma_{PPN(S)} = 0$

Monday Dec. 2, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 49 °F	Dir. N	Temp. 74 °F	R-: ~ 1100-1300 LT 0600 - [illegible] 0645 LT		
Min. 40 °F	Vel. 9 m.p.h.	Read. 28.97 in.			
Set 41 °F	Char. STEADY'	Corr. 28.84 in.			
R.H. 60 %	24 hr. Mov. 26.1 mi.	Sea L. 30.22 in.	0700	1300	1900
Ppn. Liq. .03 in.	Prev. Dir. W	3 hr. Tend. F+2.0 mb	Clds. -8/10	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	Wx MSTLY. CLOUDY	Wx	Wx
			Vis. 6 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 45$

$H_{\gg} = 20$

$\sum C_{\gg} = 0$

$\sum H_{\gg} = 29$

$\sum PPN_{.2} = .05"$ $\sum PPN_{.5} = 0$

$T_{roof} = 41$

$Td_{UNV} = 28$

$Td_{RAMOS} = 26$

TUESDAY DEC. 3, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. SW	Temp. 73 °F	RB 1545 LT R-1545-(OCNL R) L-0130 LT 3130 - 2200 R R-0440 LT R 0000 - 2330 LT R 0455 - L - 085 * NEW PRECIP RECORD FOR DATE (OLD 1.21 1905)		
Min. 33 °F	Vel. 5 m.p.h.	Read. 28.49 in.			
Set 36 °F	Char. VAR	Corr. 28.36 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. 62.3 mi.	Sea L. 29.74 in.	Clds. 10/10	Clds.	Clds.
Ppn. Liq. *1.98 in.	Prev. Dir. E	3 hr. Tend. -1.5 \ mb	Wx Fog L -	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer SC	Vis. 1 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 38$

$HDD = 27$

$\Sigma HDD = 56$

$\Sigma CDD = 0$

$\Sigma PPN_L = 2.03"$

$\Sigma PPN_S = 0$

$T_{UNV} = 37$

$T_{DUNV} = 34$

$T_{ROOF} = 35$

$T_{DRAINAGE} = 28$

$T_V = 35$

$T_O = 35$

Wed. December 4, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 43 °F	Dir. W	Temp. 73 °F	L- ~0805 - 0900 LT; 1830 - 2030 LT		
Min. 29 °F	Vel. 10 m.p.h.	Read. 28.48 in.	IPSN - ~2143 LT S - ~2143 - 2246 S - ~0430 - 0500 (over)		
Set 29 °F	Char. MODERATE	Corr. 28.34 in.	0700	1300	1900
R.H. 60 %	24 hr. Mov. 157.3 mi.	Sea L. 29.73 in.	Clds. 5 10	Clds.	Clds.
Ppn. Liq. .01 in.	Prev. Dir. W	3 hr. Tend. ↗ +1 mb	Wx Chilly and partly sunny	Wx	Wx
Ppn. Sol. T in.	Snow Depth — in.	Observer LAM	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{max} = 27$ $T_{min} = 12$

$\overline{T} = 36$ $T_{DNV} = 15$

$H_{DD} = 29$

$\Sigma H_{DD} = 85$ $\Sigma C_{DD} = 0$

$\Sigma PPN_L = 2.04"$

$\Sigma PPN_S = T$

Gust to 40 mph @ 0600 LT

Thursday December 5 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 29 °F	Dir. W	Temp. 72 °F	• SW- 0800-0845 LT (OCNL SW) • Gust to 64 mph at 0938 LT • SW-- 1300 - 2200 LT • OCNL SW-- 0030 - 0700 LT (SOME SW)
Min. 16 °F	Vel. 10 - 20 m.p.h.	Read. 29.11 in.	
Set 16 °F	Char. Variable	Corr. 28.98 in.	

0700	1300	1900
Clds. 8/10 stratocum	Clds.	Clds.
Wx • windy • SW -	Wx	Wx
Vis. 10 mi.	Vis. mi.	Vis. mi.

R.H.	24 hr. Mov.	Sea L.
77 %	267 mi.	30.45 in.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +3 / mb
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JCK

$T_{Roof} = 14$ $\overline{T} = 23$ $\Sigma PCN_L = 2.04"$

$T_w = —$ $HDD = \cancel{32}\ 42$ $\Sigma PCN_S = T$

$T_{d.inv} = 8$ $\Sigma_{HDD} = \cancel{67}\ 127$

Friday December 6 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.
Max. 37 °F	Dir. W	Temp. 72 °F
Min. 16* °F	Vel. 10 - 31 m.p.h.	Read. 28.76 in.
Set 37 °F	Char. Variable	Corr. 28.63 in.
R.H. 76 %	24 hr. Mov. 135 mi.	Sea L. 30.02 in.
Ppn. Liq. .02 in.	Prev. Dir. SW	3 hr. Tend. ± 0 \/ mb
Ppn. Sol. .20 in.	Snow Depth T in.	Observer JCK

General Obs.

- OCNL SW-- 0700 LT - 0000
- SW- OCNL SW 0005 LT - 0145 (MOST ACCUMULATION HERE)
- PERIODIC S- 0145 - 0455

	0700	1300	1900
Clds.	10/10 stratocumulus	*yesterday Mgr.	
Wx	• OV[illegible] • S[illegible]	Temp dropped during the night.	
Vis.	[illegible] mi.	mi.	mi.

$T_{Roof} = 36$ $\bar{T} = 27$ $\Sigma PCN_1 = 2.06"$

$T_w = —$ $HDD = 38$ $\Sigma PCN_2 = .20"$

$T_{level} = 24$ $\Sigma HDD = 165$

Saturday Dec. 7, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 37* °F	Dir. SW	Temp. 72 °F	- WRM FROPA ~ 0600 LT (Tadv ≈ 6°/1hr. !!!) 0600-0700 LT
Min. 23** °F	Vel. 15 m.p.h.	Read. 28.83 in.	S-- OBS- 0740 LT
Set 33 °F	Char. VAR. SPDS.	Corr. 28.71 in.	IP-S-- ~ 0740-0815 LT
R.H. 77 %	24 hr. Mov. 120.2 mi.	Sea L. 30.11 in.	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. L-1.0 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer CPB	

0700	1300	1900 (Low)
Clds. -10/10 ovc.	Clds.	Clds.
Wx CLOUDY	Wx	Wx
Vis. 4 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 30$

$H_{\gg} = 35$

$\sum C_{\gg} = 0$

$\sum H_{\gg} = 200$

$Td_{RAMOS} = 17$

$Td_{UNV} = 21$

($T_{UNV} = 27$!!!)

[redacted] $PPN_L = T$

$\sum PPN_L = 2.06''$

[redacted] $PPN_S = T$

$\sum PPN_S = .20''$

* OBS TMP/127 FRI.

** OVERNITE LOW = 23

Sunday Dec 8, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 50 °F	Dir. SW	Temp. 73 °F			
Min. 33 °F	Vel. 5 m.p.h.	Read. 28.88 in.			
Set 46 °F	Char. light	Corr. 28.75 in.	DAILY LOW = 40		
R.H. 71 %	24 hr. Mov. 129.1 mi.	Sea L. 30.11 in.	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. A5 mb	Clds. 8/10	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer LAM	Wx Chilly & Mostly Cloudy	Wx	Wx
			Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 47$

$T_W = 40.5$

$\overline{T} = 42$

$HDD = 23$

$\Sigma HDD = 223$

$\Sigma CDD = 0$

$\Sigma PPN_L = 2.06''$

T_D ramos $= 35$

$T_D = 32$

T_D UNR $= 38$

(USED T_D ONLY FOR RH)

$\Sigma PPN_S = .20''$

Monday Dec. 9, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 60 °F	Dir. WSW	Temp. 75 °F	RW- ~ 2100 - 0000 LT, 8th (ocnl R-)		
Min. 44 °F	Vel. 15 m.p.h.	Read. 28.71 in.	MNT ocrd ~1000 LT, 8th		
Set 58 °F	Char. GUSTS to 20	Corr. 28.58 in.	OVNGT. LO ~ 57!!		
R.H. 64 %	24 hr. Mov. 151.0 mi.	Sea L. 29.91 in.	0700	1300	1900
Ppn. Liq. .02 in.	Prev. Dir. SW	3 hr. Tend. `0' mb	Clds. -10/10 ovc.	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	Wx CLOUDY, WINDY	Wx	Wx
			Vis. 4 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 52$

$T_{roof} = 58$

$T_w = 51.5$

$T_d = 46$

$H_{DD} = 13$

$\sum H_{DD} = 236$

$\sum C_{DD} = 0$

$Td_{UNV\,(w./R-)} = 50$

$Td_{RAMOS} = 45$

$\sum ppN._L = 2.08''$

$\sum ppN._S = .20''$

TUESDAY DEC. 10, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 59 °F	Dir. –	Temp. 72 °F	RW- ~1440-1500 LT ~1830-2100 LT		
Min. 35 °F	Vel. – m.p.h.	Read. 28.92 in.			
Set 35 °F	Char. Calm	Corr. 28.79 in.	0700	1300	1900
R.H. 67 %	24 hr. Mov. 70.8 mi.	Sea L. 30.19 in.	Clds. 7/10	Clds.	Clds.
Ppn. Liq. 0.08 in.	Prev. Dir. W	3 hr. Tend. +2/ mb	Wx M. Cloudy	Wx	Wx
Ppn. Sol. – in.	Snow Depth – in.	Observer SC	Vis. 5 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 47$

$T_{WL} = 35$

$T_{DWL} = 25$

$HDD = 18$

$\Sigma HDD = 254$

$\Sigma CDD = 0$

$\Sigma PPN_L = 2.16''$

$\Sigma PPN_S = .20''$

Wed. Dec 11, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 45 °F	Dir. SE	Temp. 74 °F			
Min. 25 °F	Vel. 4 m.p.h.	Read. 29.04 in.			
Set 28 °F	Char. light	Corr. 28.91 in.	0700	1300	1900
R.H. 72 %	24 hr. Mov. 45.9 mi.	Sea L. 30.33 in.	Clds. 2/10	Clds.	Clds.
Ppn. Liq. — in.	Prev. Dir. SW	3 hr. Tend. ✓ 0 mb	Wx Chilly	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer LAM	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 29$

$\overline{T} = 35$

$H_{DD} = 30$

$\Sigma H_{DD} = 284$

$\Sigma C_{DD} = 0$

$\Sigma_{PPNL} = 2.16''$

$\Sigma_{PPNS} = .20''$

$T_{DRAINS} = 20$

$T_{DUMU} = 21$

Thursday December 12 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 49 °F	Dir. —	Temp. 73 °F			
Min. 28 * °F	Vel. 0 m.p.h.	Read. 29.14 in.			
Set 33 °F	Char. Calm	Corr. 29.01 in.	# ovnt low: 33		
			0700	1300	1900
R.H. 75 %	24 hr. Mov. 37 mi.	Sea L. 30.43 in.	Clds. 6/10 cirrus	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. +1 — mb	Wx * Thin Ridge - Base Fog	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JcK	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{Roof} = 33$ $\overline{T} = 39$ $\Sigma PCN_c = 2.16"$

$T_w =$ $HDD = 26$ $\Sigma PCN_f = .20"$

$T_{design} = 26$ $\Sigma_{HDD} = 310$

Friday December 13 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 50 °F	Dir. WSW	Temp. 74 °F	• RB 1640 it then continued more off than on as sporadic RW-'s into + through the night.		
Min. 33* °F	Vel. 5 m.p.h.	Read. 28.77 in.			
Set 46 °F	Char. light + steady	Corr. 28.64 in.	* overthrow: 45		
			0700	1300	1900
R.H. 86 %	24 hr. Mov. 113 mi.	Sea L. 30.00 in.	Clds. 10/10 • thick stratocumulus • scud	Clds.	Clds.
Ppn. Liq. .04 in.	Prev. Dir. SSW	3 hr. Tend. ±0 mb	Wx • OVC • RW--	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{Proj} = 46$ $\quad \bar{T} = 42$ $\quad \Sigma PCN_L = 2.20"$

$T_w = 44$ $\quad HDD = 23$ $\quad \Sigma PCN_S = .20"$

$T_d = 42$ $\quad \Sigma HDD = 333$

Saturday Dec. 14, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 58 °F	Dir. SW	Temp. 76 °F	OVNGT. LO ~ 54° !!
* Min. 46 °F	Vel. 11 m.p.h.	Read. 28.55 in.	* NEW REC.: MAX. MIN. (46) (OLD REC.: 45° IN 1901)
Set 54 °F	Char. 'STEADY'	Corr. 28.41 in.	RW- ~ OBS-0900 LT (OVER)

	0700	1300	1900
R.H. 83 % / 24 hr. Mov. 90.5 mi. / Sea L. 29.74 in.	Clds. -10/10 OVC.	Clds.	Clds.
Ppn. Liq. .30 in. / Prev. Dir. SW / 3 hr. Tend. \-1.5 mb	Wx CLOUDY/DRIZZLE	Wx	Wx
Ppn. Sol. 0 in. / Snow Depth 0 in. / Observer CPB	Vis. 4L-F mi.	Vis. mi.	Vis. mi.

$\bar{T} = 52$

$H_{DD} = 13$

$\Sigma C_{DD} = 0$

$\Sigma H_{DD} = 346$

$\Sigma PPN._L = 2.50''$

$\Sigma PPN._S = .20''$

RW- ~ 0000-0200 LT
(OCNL RW)

R- ~ 2100-2130 LT

L-- ~ 0600-0BS

$T_{roof} = 54$ } $T_d = 49$
$T_w = 51$ }

$T_{d_{RAMOS}} = 44$

$T_{d_{NAV}} = 50$

Sun. Dec 15, 1991 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 55* °F	Dir. W	Temp. 72 °F	RW ~ 1100 LT 1140 LT RW/IPW — ~ 1520 LT SW -- 1747 LT		
Min. 26 °F	Vel. G30 24 m.p.h.	Read. 2884 in.	Gust to 53 ~1350 LT / Gust to 71 ~1523 LT		
Set 26 °F	Char. Gusty	Corr. 28.71 in.	0700	1300	1900
R.Hr. 53 %	24 hr. Mov. * mi.	Sea L. 30.14 in.	Clds. 4/10	Clds.	Clds.
Ppn. Liq. .07 in.	Prev. Dir. *	3 hr. Tend. ↓2.5 mb	Wx P.C. and Cld	Wx	Wx
Ppn. Sol. T in.	Snow Depth — in.	Observer LAM	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{\text{Roof UNV}} = 26$ ~~Toramos~~

$\overline{T} = 41$ $T_{D\,UNV} = 11$

$H_{DD} = 24$

$\Sigma H_{DD} = 370$

$\Sigma C_{DD} = 0$

* = 55 ties Rec Max T for DATE

$\Sigma_{PPN\,L} = 2.57"$ $\Sigma_{PPN\,S} = .20"$

* RAMOS IS OUT! #1 USED UNV

Mon, Dec 16, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 31 °F	Dir. WSW	Temp. 72 °F	SW - 2100-2200CT OCNL SW- OVERT		
Min. 16 °F	Vel. 16 m.p.h.	Read. 29.01 in.			
Set 17 °F	Char. Gusty 24	Corr. 28.88 in.			
R.H. 61 %	24 hr. Mov. 238 mi.	Sea L. 30.34 in.	0700 Clds. 9/10	1300 Clds.	1900 Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +2.0 mb	Wx MSLY CLDY	Wx	Wx
Ppn. Sol. .1 in.	Snow Depth T in.	Observer LKB	Vis. 20 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 24$

$H_{DD} = \cancel{22}\ 41$

$\Sigma H_{DD} = \cancel{39}\ 41$

$\Sigma C_{DD} = 0$

$\Sigma_{PPM_L} = 2.57"$

$\Sigma_{PPWS} = \cancel{.27}\ .3"$

$T_{d\,WV} = 6$

$T_{d\,(ramo)} = 0$

Tuesday December 17 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 24 °F	Dir. S	Temp. 73 °F	• Flurries fell randomly [?] much of yesterday + overnight.		
Min. 15* °F	Vel. 4 m.p.h.	Read. 28.87 in.			
Set 24 °F	Char. light slightly var.	Corr. 28.74 in.	Temps rose through night * 15° was yesterday morn [?]		
			0700	1300	1900
R.H. 74 %	24 hr. Mov. 107 mi.	Sea L. 30.18 in.	Clds. 10/10	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. −2½ ╲ mb	Wx • ovc • Few Flakes	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JCK	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{max} = 22$ $\quad \overline{T} = 20$ $\quad \Sigma PCN_o = 2.57"$

$T_w = —$ $\quad HDD = 45$ $\quad \Sigma PCN_s = ~~2.87"~~ .30"$

$T\lambda_{min} = 15$ $\quad \Sigma HDD = ~~437~~ 456$

Wednesday, December 18, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. W	Temp. 73 °F	APRNT FROPA 1755 LT SPW- ~ 1800-1830 LT		
Min. 24 °F	Vel. 14 m.p.h.	Read. 28.91 in.			
Set 27 °F	Char. Steady Velocity Drizzle V. Misty	Corr. 28.78 in.	0700	1300	1900
R.H. 71 65 %	24 hr. Mov. 144 mi.	Sea L. 30.21 in.	Clds. 8/10 SC	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. 2 / mb	Wx Few Flakes	Wx	Wx
Ppn. Sol. T in.	Snow Depth T in.	Observer DHG	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{ref} = 25$ $\bar{T} = 31$ $\Sigma PCN_L = 2.57"$

$T_w = —$ $HDD = 34$ $\Sigma PCN_S = .30"$

$T_{base} = 17$ $\Sigma HDD = 490$

Thursday Dec 19, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 29 °F	Dir. WSW	Temp. 74 °F	SW - ~1645 - 1730 LT SW 0815 - 0900 LT		
Min. 10 °F	Vel. 4 m.p.h.	Read. 29.62 in.			
Set 11 °F	Char. LIGHT	Corr. 29.98 in.			
R.H. 63 %	24 hr. Mov. * mi.	Sea L. 30.89 in.	0700 Clds. 0/10	1300 Clds.	1900 Clds.
Ppn. Liq. T in.	Prev. Dir. *	3 hr. Tend. +2.0 mb	Wx Clear	Wx	Wx
Ppn. Sol. .1 in.	Snow Depth T in.	Observer LKB	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{avw} = 1°C$

T_{aramos} —

$\bar{T} = 20°$

HDD = 45

$\Sigma HDD = 535$

$\Sigma PCN_L = 2.57"$

$\Sigma PCN_S = .3"$

*Power Shut off

FRIDAY DEC 20, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 26 °F	Dir. SW	Temp. 72 °F	SOME VERY LIGHT & VAR WINDS FROM SW @ 7:00 LT MIN T OCRD ~ 0830 LT, 19TH OVRNT LO ~ 12		
Min. 8 °F	Vel. 0 m.p.h.	Read. 29.55 in.			
Set 14 °F	Char. Calm	Corr. 29.41 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. 13.9 mi.	Sea L. 30.74 in.	Clds. 1/10	Clds.	Clds.
Ppn. Liq. – in.	Prev. Dir. W	3 hr. Tend. +1.0 mb	Wx SOME Ci	Wx	Wx
Ppn. Sol. – in.	Snow Depth T in.	Observer LKB	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{bury} = 9$

$T_{drama} = 5$

$\bar{T} = 16$

HDD = 49

$\Sigma HDD = 584$

$\Sigma PCN_L = 2.57"$

$\Sigma PCN_S = .3"$

Saturday Dec 21, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 43* °F	Dir. W	Temp. 74 °F	•RB ~ 0500 LT; Quickly Changed To Snow • High Temp Occurred 0430-0600 LT • Low occurred after set yesterday • Ramos Max 41 • Accumulation's Even Lighter East Side of Town. * See Reverse		
Min. 13 °F	Vel. 14 m.p.h.	Read. 28.97 in.			
Set 34 °F	Char. Gust To 30	Corr. 28.84 in.	0700	1300	1900
R.H. 92 %	24 hr. Mov. 36 mi.	Sea L. 30.26 in.	Clds. 7/10 SC 10/10 Higher Deck	Clds.	Clds.
Ppn. Liq. .04 in.	Prev. Dir. SW	3 hr. Tend. +.4 mb ✓	Wx SW-/RW- BINOVC	Wx	Wx
Ppn. Sol. .3 in.	Snow Depth T in.	Observer DHG	Vis. 4 1/2 mi.	Vis. mi.	Vis. mi.

$T_{max} = 32$

$T_{min} = 30$

$\bar{T} = 28$

$HDD = 37$

$\Sigma HDD = 628$

$\Sigma PCN_L = 2.61"$

$\Sigma PCN_S = .6"$

* Hg separated in max Thermometer. After columns merged, value of 43 obtained which is consistent with Ramos and early a.m. high of 44 in ADD.

Sunday, December 22, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. WSW	Temp. 74 °F	• Precipitation occurred as very light wet snow around obs time yesterday. • Somewhat hazy • Few SC mixed up along Tussey. • Ramos Min: 29°		
Min. 31 °F	Vel. 9 m.p.h.	Read. 28.97 in.			
Set 31 °F	Char. Steady	Corr. 28.83 in.	0700	1300	1900
R.H. 75%	24 hr. Mov. 174 mi.	Sea L. 30.25 in.	Clds. 1/10 AS,SC	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +.2 mb	Wx AS Thicker SE Few SC S	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer DHG	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 29$

$T_{dunv} = 22$

$\bar{T} = 35$

$HDD = 30$

$\Sigma HDD = 651$

$\Sigma DCN_2 = 2.61''$

$\Sigma DCN_3 = .6''$

Monday, December 23, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 43 °F	Dir. SW	Temp. 74 °F	MIN T OCRD ~0830 AM of 12/22/91; OVRNT LO ~ 32 · WIND DIRECTION CHANGING SW to WSW · SPEED 6-12 RW-- B@ OBS		
Min. 27 °F	Vel. 10 m.p.h.	Read. 28.58 in.			
Set 39 °F	Char. VARIABLE	Corr. 28.45 in.	0700	1300	1900
R.H. 75.5 %	24 hr. Mov. 60.5 mi.	Sea L. 29.73 in.	Clds. 10/10	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. SW	3 hr. Tend. ↘ -1.8 mb	Wx * RW--	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth — in.	Observer LKB	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{DUW} = 32$

$T_{DRAWER} = 29$

$\bar{T} = 35$

$HDD = 30$

$\Sigma HDD = 681$

$\Sigma PCN_L = 2.61"$

$\Sigma PCN_S = .6"$

* ZR- reported vicinity stowe valley

TUE. DEC 24, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 44 °F	Dir. NNW	Temp. 74 °F	RW--- obs - 0830 LT L- 0830 - 0930 LT OCNL RW - 1000 - 1100 LT L-, OCNL L 1100 - 1800 LT		
Min. 30 °F	Vel. 15 m.p.h.	Read. 28.66 in.			
Set 30 °F	Char. STDY	Corr. 28.53 in.	PRESRR		
R.H. 58 %	24 hr. Mov. mi.	Sea L. 29.92 in.	0700 Clds. 10/10 OVC	1300 Clds.	1900 Clds.
Ppn. Liq. .02 in.	Prev. Dir.	3 hr. Tend. ↓ +2.0 mb	Wx BINOVC E	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 37$ $T_{d\ UNV} = 17$

$T_{d\ RAMOS} = 14$

$H_{DD} = 28$

$\Sigma_{HDD} = 709$

$\Sigma_{PPN.(L)} = 2.63"$

$(S) = 0.6"$

Wednesday, Dec 25 1996 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 34 °F	Dir. WNW	Temp. 73 °F	Few SW- 1000 - 1200 LT PRESRR Min Occurred ~ 1900-2000 LT		
Min. 27 °F	Vel. 14 m.p.h.	Read. 28.94 in.			
Set 34 °F	Char. Gust To 25	Corr. 28.81 in.	0700	1300	1900
R.H. 63 %	24 hr. Mov. 129 mi.	Sea L. 30.22 in.	Clds. BINOVC 10/10 SC	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. 3.5 / mb	Wx Somewhat Darker North	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer DHG	Vis. 15 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 31$

$HDD = 34$

$\Sigma HDD = 743$

$\Sigma PPN_L = 2.63''$

$\Sigma PPN_S = 0.6''$

$T_{d\,UNV} = 21$

$T_{...f} = 32$

THU DEC 26, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 36 °F	Dir. —	Temp. 74 °F	PRS RISE ENDED 1200 LT SOME FOG IN VALLEY TO NW AT 0700 LT		
Min. 18 °F	Vel. 0 m.p.h.	Read. 29.28 in.			
Set 21 °F	Char. CALM	Corr. 29.15 in.	0700	1300	1900
R.H. 81 %	24 hr. Mov. 58.1 mi.	Sea L. 30.46 in.	Clds. 0/10	Clds.	Clds.
Ppn. 0 Liq. in.	Prev. Dir. W	3 hr. Tend. -0.0 mb	Wx CLEAR	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer LKB	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{Duvy} = 16$

$T_{D_{Ramos}} = 13$

$\bar{T} = 27$

$HDD = 38$

$\Sigma HDD = 781$

$\Sigma PPN_L = 2.63''$

$\Sigma PPN_g = .6''$

FRIDAY, DEC 27 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 39 °F	Dir. WSW	Temp. 74 °F	OVRNT low ~ 29 PRS Fall 1200 - 1800 LT - 4MB
Min. 21 °F	Vel. 2 m.p.h.	Read. 29.35 in.	
Set 33 °F	Char. STEADY	Corr. 29.29 in.	
R.H. 72 %	24 hr. Mov. 27.4 mi.	Sea L. 30.56 in.	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +2.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer LKB	

	0700	1300	1900
Clds.	10/10		
Wx	OVC		
Vis.	15 mi.	mi.	mi.

$T_{DWW} = 25$

$T_{BRAMOS} = 22$

$\bar{T} = 29$

$HDD = 36$

$\Sigma HDD = 817$

$\Sigma PPN_L = 2.62"$

$\Sigma PPN_S = .6"$

Saturday, December 28, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 41 °F	Dir. SE	Temp. 75 °F	Heavy Frost Ground Fog Along Tussey Ridge		
Min. 17 °F	Vel. 0 m.p.h.	Read. 29.28 in.			
Set 20 °F	Char. Dead calm	Corr. 29.14 in.			
			0700	1300	1900
R.H. 88 %	24 hr. Mov. 3 mi.	Sea L. 30.60 in.	Clds. 4/10 Thin Ci	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. -.8 mb	Wx Hazy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer DHG	Vis. 6 mi.	Vis. mi.	Vis. mi.

$T_{Ref} = 21$

$T_{Hum} = 18$

$\bar{T} = 29$

$HDD = 36$

$\Sigma HDD = 853$

$\Sigma PPN_6 = 2.63''$

$\Sigma PPN_1 = 0.6''$

SUN. DEC 29, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 36 °F	Dir. —	Temp. 75 °F	MIN T OCURD AFTER OBS, 28TH OVRNT LO = 31 R- 1945 LT → OBS OCNL ZR- * LOWEST 24 HR WIND MVMT IN OBSERVERS TENURE		
Min. 17 °F	Vel. 0 m.p.h.	Read. 28.71 in.			
Set 33 °F	Char. CALM	Corr. 28.57 in.			
R.H. 92 %	24 hr. Mov. 0.3 * mi.	Sea L. 29.96 in.	0700 Clds. X	1300 Clds.	1900 Clds.
Ppn. Liq. .34 in.	Prev. Dir. NONE	3 hr. Tend. \-2.5 mb	Wx = R-	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. ½ mi.	Vis. mi.	Vis. mi.

$\bar{T} = 27$ $T_{d\ HW} = 31$

$T_{d\ RAMOS} = 27$

$H_{DD} = 38$

$\Sigma_{HDD} = 891$

$\Sigma_{PPN(L)} = 2.97''$

$\Sigma_{PPN(S)} = 0.7''$

MONDAY, DEC 30 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. NW	Temp. 74 °F	R-0700-1000 LT L-1000-1130 LT L-1545-1600 LT SW-2345-0015 LT } = .09" FRSRR		
Min. 32 °F	Vel. 10 m.p.h.	Read. 28.87 in.			
Set 32 °F	Char. VARIBLE	Corr. 28.74 in.	0700	1300	1900
R.H. 66 %	24 hr. Mov. 527 mi.	Sea L. 29.03 in.	Clds. 9/10	Clds.	Clds.
Ppn. Liq. .10 in.	Prev. Dir. W	3 hr. Tend. +3.0 mb	Wx BLOVC	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer LWB	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{dunn} = 23$

$T_{a\ ramos} = 20$

$\bar{T} = 36$

$HDD = 29$

$\Sigma HDD = 920$

$\Sigma PDN(L) = 3.07"$

$\Sigma PDN(s) = .\#"$

TUES. DEC. 31, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 35 °F	Dir. NE	Temp. 74 °F	FAIR WX TO END THE YEAR		
Min. 16 °F	Vel. 2 m.p.h.	Read. 29.37 in.			
Set 17 °F	Char. VRY light	Corr. 29.23 in.			
			0700	1300	1900
R.H. 80 %	24 hr. Mov. 23.4 mi.	Sea L. 30.60 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. N	3 hr. Tend. /+1.0 mb	Wx CLR + FROSTY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 30 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 26$ $T_{dew} = 12$

$T_{d\,range} = 10$

$H_{DD} = 39$

$\Sigma_{HDD} = 959$

$\Sigma_{PPN(L)} = 3.07''$

$\Sigma_{PPN(S)} = 0.7''$