Friday November 1 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 63 °F	Dir. —	Temp. 74 °F			
Min. 35 °F	Vel. 0 m.p.h.	Read. 28.91 in.			
Set 37 °F	Char. Calm	Corr. 28.79 in.	0700	1300	1900
R.H. 76 %	24 hr. Mov. 22 mi.	Sea L. 30.18 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. ±0 — mb	Wx • clear • Thin Ridge fog NW	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. Hazy 20 v. 30 mi.	Vis. mi.	Vis. mi.

$T_{Adj} = 39$ $\quad \bar{T} = 49$ $\quad \Sigma PCN_c = 0$

$T_w = 36$ $\quad HDD = 16$ $\quad \Sigma PCN_s = 0$

$T_d = 32$ $\quad \Sigma HDD = 16$

$CDD = 0$

$\Sigma CDD = 0$

Saturday November 2, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 64 °F	Dir. ENE	Temp. 76 °F	* OVNGT. LO: ~ 50 RW- ~ 2230-2315 LT - "BRIGHTER SKIES" S & E @ OBS TIME w/ FOG		
Min. 37 * °F	Vel. 4 m.p.h.	Read. 28.72 in.			
Set 52 °F	Char. STEADY	Corr. 28.58 in.			
			0700	1300	1900
R.H. 71 %	24 hr. Mov. 58.7 mi.	Sea L. 29.92 in.	Clds. - 10/10 (OVC)	Clds.	Clds.
Ppn. Liq. .01 in.	Prev. Dir. S	3 hr. Tend. +2.0 mb	Wx CLOUDY	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer CPB	Vis. 6F mi.	Vis. mi.	Vis. mi.

$\bar{T} = 51$

$H_{pp} = 14$

$\sum H_{pp} = 30$

$\sum C_{pp} = 0$

$T_{roof} = 52$

$T_w = 47.5$

$T_d = 43$

$T_{d\,RAMOS} = 40$

$T_{d\,WW} = 45$

$\sum ppw_L = 0.01''$ / $\sum ppw_S = 0$

SUNDAY, NOV. 3, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 53 °F	Dir. W	Temp. 74 °F			
Min. 28 °F	Vel. 7 m.p.h.	Read. 29.01 in.			
Set 29 °F	Char. Steady	Corr. 28.88 in.	0700	1300	1900
R.H. 81 %	24 hr. Mov. 134.5 mi.	Sea L. 30.31 in.	Clds. 2/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +1 / mb	Wx Mst. Sun.	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer SC	Vis. 10 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 41$

$H_{00} = 24$

$\Sigma H_{00} = 54$

$\Sigma C_{00} = 0$

$\Sigma PPN_i = 0.01$

$\Sigma PPN_s = 0$

$T_{ROOF} = 28$

$T_w =$

$T_{DRAMOS} = 17$

$T_{DUNN} = 23$

Monday November 4, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 45 °F	Dir. SSW	Temp. 75 °F	* RECORD MINIMUM (18°) (FORMERLY 20° IN 1939)		
Min. 18 * °F	Vel. 4 m.p.h.	Read. 29.12 in.			
Set 22 °F	Char. STEADY	Corr. 28.99 in.	0700	1300	1900
R.H. 65 %	24 hr. Mov. 99.5 mi.	Sea L. 30.44 in.	Clds. -3/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. ↓+0.5 mb	Wx MOSTLY SUNNY	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer CPB	Vis. 20 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 32$

$H_{DD} = 33$

$\Sigma C_{DD} = 0$

$\Sigma H_{DD} = 87$

$Td_{UNV} = 12$

$Td_{RAMOS} = 7$

$\Sigma_{PPN.} = 0.01''$ $\Sigma PPN_S = 0''$

TUESDAY NOV. 5, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 33 °F	Dir. N	Temp. 75 °F	* RECORD LO OLD RECORD 20 (1908)		
Min. *15† °F	Vel. 4 m.p.h.	Read. 29.17 in.	PATCH OF FOG OVER BLUE GOLF COURSE		
Set 16 °F	Char. Steady	Corr. 29.03 in.	F. ALONG RIDGES †COLDEST 30 EARLY IN SEASON		
			0700	1300	1900
R.H. 80 %	24 hr. Mov. 82.9 mi.	Sea L. 30.50 in.	Clds. 2/10	Clds.	Clds.
Ppn. Liq. — in.	Prev. Dir. W	3 hr. Tend. +/1.5 mb	Wx Mst. Sun.	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer SC	Vis. 15 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 24$

$T_{DWN} = 10$

$T_{O_{RAMOS}} = 2$

$T_{ROOF} = 15$

$H_{DD} = 41$

$\Sigma H_{DD} = 128$

$\Sigma C_{DD} = 0$

$\Sigma PP_N = 0.01"$

Wed. Nov 6, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 37 °F	Dir. SW	Temp. 76 °F	* RECORD LOW (3rd in a row)
Min. *16 °F	Vel. 6 m.p.h.	Read. 28.97 in.	OVT LOW = 23
Set 28 °F	Char. light	Corr. 28.83 in.	
R.H. 48 %	24 hr. Mov. 26.8 mi.	Sea L. 30.26 in.	
Ppn. — Liq. in.	Prev. Dir. SW	3 hr. Tend. −0 mb	
Ppn. — Sol. in.	Snow Depth — in.	Observer LAM	

0700	1300	1900
Clds. 4/10	Clds.	Clds.
Wx Cloudy with patchy clouding	Wx	Wx
Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 27$

$\overline{T} = 27$

$H_{DD} = 38$

$\Sigma H_{DD} = 166$

$\Sigma C_{DD} = 0$

$\Sigma_{PPN} = .01''$

$T_{D\,TANKS} = 6$

$T_{D\,CNV} = 10$

Thursday November 7 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 46 °F	Dir. —	Temp. 75 °F			
Min. 28 °F	Vel. 0 m.p.h.	Read. 28.99 in.			
Set 33 °F	Char. Calm	Corr. 28.86 in.	ovnt low: 33		
			0700	1300	1900
R.H. 69 %	24 hr. Mov. 49 mi.	Sea L. 30.28 in.	Clds. 10/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. +½ ∪ mb	Wx • ovc • haze, Smoke	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer Jck	Vis. 7 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 31$ $\overline{T} = 37$ $\Sigma P_{CN_c} = .01"$

$T_w =$ $MDD = 28$ $\Sigma P_{CN_f} = 0"$

$TL_{unw} = 20$ $\Sigma_{MDD} = 194$

$col = 0$

$\Sigma_{col} = 0$

Friday November 8 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 45 °F	Dir. NNW	Temp. 74 °F	• Don't ask me how we missed the Snow flurries yesterday. Everyone else was flabbered tho, it seems.		
Min. 30 °F	Vel. 6-13 m.p.h.	Read. 29.12 in.	• Reports of flakes about 1½ miles south of Smethport ~6:30 ET		
Set 31 °F	Char. mostly mcmd 10	Corr. 28.99 in.	0700	1300	1900
R.H. 69 %	24 hr. Mov. 58 mi.	Sea L. 30.42 in.	Clds. 10/10 • Stratocum.	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +2½ / mb	Wx • OVC • Steady	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JAK	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{adj} = 29$ $\bar{T} = 38$ $\sum A_{W_1} = .01"$

$T_w =$ $HDA = 27$ $\sum A_{W_2} = 0"$

$T_{dew} = 20$ $\sum HDD = 221$

$CDD = 0$

$\sum CDD = 0$

Saturday Nov. 9, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max. 38 °F		Dir. —		Temp. 74 °F		* RECORD MIN. (16°) FOURTH OF WEEK (OLD RECORD 19° IN 1976)		
Min. 16* °F		Vel. 0 m.p.h.		Read. 29.27 in.		– FIRST FLAKES OF SEASON (FLURRIES @ 0800, 0845 LT)		
Set 17 °F		Char. CALM		Corr. 29.14 in.		– AURORA BOREALIS VISIBLE (2000–2200 LT)		
						0700	1300	
R.H. 87 %		24 hr. Mov. 37.6 mi.		Sea L. 30.60 in.		Clds. 2/10 – Ci – Ac	Clds.	Clds.
Ppn. Liq. T in.		Prev. Dir. N		3 hr. Tend. V +1.0 mb		Wx MOSTLY SUNNY/COLD	Wx	Wx
Ppn. Sol. T in.		Snow Depth 0 in.		Observer CPB		Vis. 20 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 27$

$H_{\gg} = 38$

$\sum C_{\gg} = 0$

$\sum H_{\gg} = 259$

$Td = 14_{(UNV)}$

$Td_{RAMUS} = 7$

$\sum_{PPN.i} = .01"$

$\sum_{PPN.s} = T$

Sunday November 10 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. NNE	Temp. 75 °F			
Min. 17 * °F	Vel. 7-13 m.p.h.	Read. 29.00 in.			
Set 31 °F	Char. Steady variable	Corr. 28.87 in.	* overnt low: 30		
			0700	1300	1900
R.H. 58 %	24 hr. Mov. 31 mi.	Sea L. 30.29 in.	Clds. 9/10 Stratocumulus (high)	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. -1 mb	Wx • Fog • Rain	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{Avg} = 30$ $\overline{T} = 27$ $\Sigma P_{CN_L} = .01"$

$T_w =$ $HDD = 38$ $\Sigma P_{CN_E} = T$

$T_{dew} = 17$ $\Sigma_{HDD} = 297$

$CDD = 0$

$\Sigma_{CDD} = 0$

Monday Nov. 11, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 44 °F	Dir. W	Temp. 74 °F	L-S-Ip-	1030-1110 LT	
Min. 31 °F	Vel. 4 m.p.h.	Read. 28.64 in.	R-S--	1415-45 LT	
Set 34 °F	Char. STEADY	Corr. 28.51 in.	L-S-	1230-1310 LT	
			L-	1800 LT	
			R-	2000 LT-2200 LT	
R.H. 94 %	24 hr. Mov. 56.8 mi.	Sea L. 29.96 in.	0700	1300	1900
Ppn. Liq. .23 in.	Prev. Dir. NNE	3 hr. Tend. +0 mb	Clds. -10/10 (Ovc.)	Clds.	Clds.
Ppn. Sol. T in.	Snow Depth 0 in.	Observer CPB	Wx COLD, GRET, DRZ	Wx	Wx
			Vis. 4F mi.	Vis. mi.	Vis. mi.

$\bar{T} = 37$

$H_{DD} = 28$

$\Sigma H_{DD} = 325$

$\Sigma C_{DD} = 0$

$\Sigma PPN_L = .24"$

$\Sigma PPN_S = T$

$T_{Roof} = 34$

$T_w = 32.5$

$Td = 32$

$Td_{RAMOS} = 26$

$Td_{UNIV} = 32$

TUESDAY NOV. 12, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 37 °F	Dir. W	Temp. 74 °F	OCNL R-, L- 0830 - 1030 LT OCNL IP; SG- SW - 1030-1220 LT SW-, OCNL SW 1220-2100 LT * ESTIMATED
Min. 32 °F	Vel. 12 m.p.h.	Read. 28.94 in.	
Set 34 °F	Char. steady	Corr. 28.81 in.	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 10 EAST 5 WEST mi.	Vis. mi.	Vis. mi.

R.H.	24 hr. Mov.	Sea L.
82 %	64.7 mi.	30.22 in.
Ppn. Liq. 0.29 in.	Prev. Dir. W	3 hr. Tend. +2/ mb
Ppn. Sol. 2.6* in.	Snow Depth 1 in.	Observer SC

$\bar{T} = 35$

$HDD = 30$

$\Sigma HDD = 355$

$\Sigma CDD = 0$

$\Sigma PPN_L = .53''$

$\Sigma PPN_S = 2.6''$

$T_{ROOF} = 33$

$T_w = 30.5$

$Td = 28$

$T_{d\,RAMS} = 23$

$T_{d\,WU} = 28$

Wed Nov 13, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. W	Temp. 75 °F	RW- 1815-1830		
Min. 34 °F	Vel. 14G18 m.p.h.	Read. 28.89 in.	L-,S- 2030 LT ~ 2245 LT		
Set 35 °F	Char. Gusty	Corr. 28.76 in.	0700	1300	1900
R.H. 89 %	24 hr. Mov. 965 mi.	Sea L. 30.17 in.	Clds. 10 10	Clds.	Clds.
Ppn. Liq. .02 in.	Prev. Dir. W	3 hr. Tend. /+1 mb	Wx Drizzle and Fog	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer LAM	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 83$

$T = 37$

$H_{DD} = 28$

$\Sigma H = 383$

$\Sigma C = 0$

$T_{DRAWS} = 24$

$T_{DUNT} = 30$

$\Sigma_{PP_2} = .55''$

$\Sigma_{PP_3} = 2.6''$

Thursday November 14 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 41 °F	Dir. SW	Temp. 74 °F	TMPS DURING DAY, 13TH STPY IN MID-30S MIN T OCRD ~ 0400LT, 14TH MAX T OCRD JUST BEFORE OBS
Min. 32 °F	Vel. 6 m.p.h.	Read. 28.95 in.	
Set 40 °F	Char. Steady	Corr. 28.82 in.	
R.H. 73 %	24 hr. Mov. 103 mi.	Sea L. 30.21 in.	
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. +2½ / mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. 10/10 stratocum (tops unclear)	Clds.	Clds.
Wx 'overcast	Wx	Wx
Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{Avg} = 39$ $\bar{T} = 37$ $\Sigma PCN_c = .55"$

$T_w =$ $HDD = 28$ $\Sigma PCN_s = 2.6"$

$T_d = 31$ $\Sigma HDD = 911$

$CDD = 0$

$\Sigma CDD = 0$

Friday November 15 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 58 °F	Dir. SW	Temp. 74 °F	• RW- ~0330 LT		
Min. 39* °F	Vel. 10 m.p.h.	Read. 28.96 in.	* the 39° occurred just after the set on the 14th so the real overnight low: 49		
Set 50 °F	Char. Steady	Corr. 28.83 in.	0700	1300	1900
R.H. 71 %	24 hr. Mov. 30 mi.	Sea L. 30.19 in.	Clds. 10/10 stratocumulus / 10 stratus	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. ±0 mb	Wx • ovc	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JcK	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{Roof} = 50$ $F = 49$ $\Sigma P_{CW_1} = .55"$

$T_v =$ $HDH = 16$ $\Sigma P_{CW_2} = 2.6"$

$T_d = 41$ $\Sigma_{HDD} = 427$

$CDD = 0$

$\Sigma_{CDD} = 0$

Saturday Nov. 16, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 67 °F	Dir. SW	Temp. 74 °F	L- ~1830 LT ~0200 LT- 0900 LT
Min. 50* °F	Vel. 4 m.p.h.	Read. 28.87 in.	* YESTERDAY'S OBS TEMP. AND APPROX. OVNGT. "LOW"
Set 51 °F	Char. STEADY	Corr. 28.74 in.	

0700	1300	1900
Clds. -10/10	Clds.	Clds.
Wx CLDY. W./DRIZZLE	Wx	Wx
Vis. 2 1/2 L-F mi.	Vis. mi.	Vis. mi.

R.H.	24 hr. Mov.	Sea L.	3 hr. Tend.
80 %	161.2 mi.	30.09 in.	~+0.5 mb

Ppn. Liq.	Prev. Dir.	Ppn. Sol.	Snow Depth	Observer
T in.	SW	0 in.	0 in.	CPB

$\bar{T} = 59$

$C_{DD} = 0$

$H_{DD} = 6$

$\sum C_{DD} = 0$

$\sum H_{DD} = 633$

$T_{roof} = 51$

$T_w = 48$

$T_d = 45$

$T_{d_{RAMOS}} = 42$

$T_{d_{NW}} = 47$

$\sum ppN_L = .55''$ $\sum ppN_S = 2.6''$

Sunday Nov. 17, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 53 °F	Dir. –	Temp. 73 °F			
Min. 25 °F	Vel. 0 m.p.h.	Read. 29.24 in.			
Set 28 °F	Char. Calm	Corr. 29.11 in.	0700	1300	1900
R.H. 68 %	24 hr. Mov. 92.9 mi.	Sea L. 30.55 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. +21 mb	Wx Sunny	Wx	Wx
Ppn. Sol. – in.	Snow Depth – in.	Observer SC	Vis. 15 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 39$

$C_{DD} = 0$

$H_{DD} = 26$

$\Sigma C_{DD} = 0$

$\Sigma H_{DD} = 459$

$\Sigma PP_{N} = .55"$

$\Sigma PPN_{S} = 2.6"$

$T_{OWV} = 19$

$T_{UWV} = 29$

$T_{RAMOS} = X$

$T_{DRAMOS} = 15$

Monday Nov. 18, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 46 °F	Dir. —	Temp. 75 °F			
Min. 24 °F	Vel. 0 m.p.h.	Read. 29.11 in.			
Set 25 °F	Char. CALM	Corr. 28.98 in.	0700	1300	1900
R.H. 78 %	24 hr. Mov. 13.8 mi.	Sea L. 30.42 in.	Clds. -3/10 Ci	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. -0.5 mb	Wx SUNNY & COLD	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	Vis. 15 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 35$

$H_{TT} = 30$

$\Sigma C_{TT} = 0$

$\Sigma H_{TT} = \$89$

$\Sigma pp_{N.L} = .55''$

$Td_{UM} = 18$

$Td_{RATIOS} = 14$

$\Sigma pp_{N.S} = 2.6''$

TUES. NOV. 19 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. —	Temp. 75 °F	LIGHT FOG AROUND RIDGES RW- ~0230 LT
Min. *25 °F	Vel. 0 m.p.h.	Read. 29.05 in.	* OVERNITE Lo = 37
Set 37 °F	Char. Calm	Corr. 28.91 in.	
R.H. 62 %	24 hr. Mov. 32.6 mi.	Sea L. 30.31 in.	
Ppn. T Liq. in.	Prev. Dir. SW	3 hr. Tend. +1/ mb	
Ppn. — Sol. in.	Snow Depth — in.	Observer SC	

0700	1300	1900
Clds. 2/10	Clds.	Clds.
Wx M. CLEAR	Wx	Wx
Vis. 15 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 36$

$HDD = 29$

$\Sigma CDD = 0$

$\Sigma HDD = 518$

$\Sigma PPN_L = .55"$

$\Sigma PPN_S = 2.6"$

$T_{DUNV} = 28$

$T_{ROOF} = 38$

$T_W = 30$

$T_O = 26$

$T_{DRAINS} = 24$

Wed. Nov 20, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 58 °F	Dir. —	Temp. 74 °F	RW- ~1246-1345 LT RW- ~1515-1530 LT
Min. 36 °F	Vel. 0 m.p.h.	Read. 28.96 in.	FOG IN VALLEYS
Set 45 °F	Char. Calm	Corr. 28.83 in.	OVNT LOW = 45
R.H. 72 %	24 hr. Mov. 105 mi.	Sea L. 30.10 in.	
Ppn. Liq. .05 in.	Prev. Dir. SSW	3 hr. Tend. −0 mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer LAM	

	0700	1300	1900
Clds.	7/10	Clds.	Clds.
Wx	Partly Cloudy	Wx	Wx
Vis.	10 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 51$ $T_{D.roof} = 42$

$T_W = 46.5$ $T_D = 42$

$\overline{T} = 47$ $T_{DWV} = 42$

$A_{DD} = 18$

$\Sigma A_{DD} = 536$

$\Sigma C_{DD} = 0$

$\Sigma_{PPN} = 3.10^{\wedge}$

Meteorological Observatory
University Park, PA

Tuesday November 21 1991 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 72* °F	Dir. WSW	Temp. 70 °F	RW-- 1630-1700 LT
Min. 45** °F	Vel. 3-7 m.p.h.	Read. 28.82 in.	* New Record old: 70, 1931
Set 61 °F	Char. Slightly var. obs.	Corr. 28.70 in.	** Ovnt low: 60°
R.H. 75 %	24 hr. Mov. 106 mi.	Sea L. 30.02 in.	
Ppn. Liq. T in.	Prev. Dir. SW	3 hr. Tend. ±0 ✓ mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. 10/ 10 stratocum	Clds.	Clds.
Wx •ovc • drizzle mist	Wx	Wx
Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 61$ $\overline{T} = 59$ $\Sigma P_{cw_2} = 0.60"$ (0.60")

$T_w =$ $HDA = 4976$ $\Sigma P_{cw_3} = 2.6"$

$T_{dew} = 53$ $\Sigma_{HDA} = 5942$

$cDA = 0$

$\Sigma_{cDA} = 0$

Friday November 22 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 63 °F	Dir. —	Temp. 70 °F	• RW -- 0840 - 0900 LT • RW - 1200 - 1630 LT • R, R - 1730 LT - 1900 LT ~2300 → OBS
Min. 52 °F	Vel. 0 m.p.h.	Read. 28.85 in.	
Set 52 °F	Char. calm	Corr. 28.73 in.	

	0700	1300	1900
R.H. 93 %	Clds. 10/10 stratus	Clds.	Clds.
24 hr. Mov. 51 mi.			
Sea L. 30.08 in.			
Ppn. Liq. 1.06 in.	Wx • Rvc • Fog • Light Rain	Wx	Wx
Prev. Dir. SW			
3 hr. Tend. ±0 mb			
Ppn. Sol. 0 in.	Vis. 1v.3 mi.	Vis. mi.	Vis. mi.
Snow Depth 0 in.			
Observer JCK			

$T_{hourly} = 51$ $\bar{T} = 58$ ~~$\Sigma P_{LN_s} = \Sigma P_{LN_L}$~~

$T_w =$ $HDD = 7$ $\Sigma P_{LN_s} = 2.6"$

$T_l = 49$ $\Sigma HDD = 549$ $\Sigma P_{LN_L} = 1.66$

$CDD = 0$

$\Sigma CDD = 0$

Saturday Nov. 23, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 54 °F	Dir. WSW	Temp. 70 °F	R- 0855 - 1310 LT R 1310 - 1320 LT 1400 - 07 LT 1458 - 1512 LT 1830 - 1910 LT (ELSE R-)	@ 1120 LT .26"	@ 1415 LT .70" (OVER)
Min. 47 °F	Vel. 4 m.p.h.	Read. 28.85 in.			
Set 47 °F	Char. GUST TO 10	Corr. 28.73 in.	0700	1300	1900
R.H. 86 %	24 hr. Mov. 74.6 mi.	Sea L. 30.10 in.	Clds. BINOVC -10/10 6	Clds.	Clds.
Ppn. Liq. * 1.79 in.	Prev. Dir. W	3 hr. Tend. 1+1.2 mb	Wx CLOUDY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	Vis. 6 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 51$

$H_{TT} = 14$

@ 1912 LT
1.62"

[redacted]

$Td_{MW} = 44$

$Td_{RAMOS} = 37$

$\Sigma C_{TT} = 0$

$\Sigma H_{TT} = 463$

$\Sigma PPN_L = 3.45"$ | $\Sigma PPN_S = 2.6"$

2.85" IN 48 HRS. !!!
R-- 1910-2045 LT
* RECORD PPN. FOR DATE (BREAKS 1.28"/1934)

Sunday, Nov 24, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 53 °F	Dir. WSW	Temp. 70 °F			
Min. 40 °F	Vel. 18G24 m.p.h.	Read. 28.64 in.			
Set 40 °F	Char. Gusty/Moderate	Corr. 28.52 in.	0700	1300	1900
R.H. 70 %	24 hr. Mov. 59 mi.	Sea L. 29.91 in.	Clds. 10/10	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +3 mb	Wx Gray	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer LAM	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 39$ $T_{Dramos} = 24$

$T_{DONV} = 31$

$T = 47$

$H_{DD} = 18$

$\Sigma H_{DD} = 581$

$\Sigma f_{DD} = 0$

$\Sigma_{PPN_L} = 3.45^{11}$

$\Sigma_{PPN_S} = 2.6^{11}$

Monday Nov. 25, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs. * MAX T OCRD AT OBS, 24th		
Max. * 40 °F	Dir. W	Temp. 70 °F	L- ~ 0800 LT SW- ~ 1015-35 LT SG- ~ 1145 LT SW- ~ 1550-1605 LT OCNL SW- ~ 1900 LT - OBS		
Min. 25 °F	Vel. 20 m.p.h.	Read. 28.80 in.			
Set 25 °F	Char. GUSTS TO 28	Corr. 28.68 in.	0700	1300	1900
R.H. 65 %	24 hr. Mov. 253.8 mi.	Sea L. 30.11 in.	Clds. 10/10 (AC)	Clds.	Clds.
Ppn. Liq. .01 in.	Prev. Dir. W	3 hr. Tend. /+1.2 mb	Wx BLUSTERY, COLD	Wx	Wx
Ppn. Sol. T in.	Snow Depth T in.	Observer CPB	Vis. 4 SW- mi.	Vis. mi.	Vis. mi.

$\bar{T} = 33$

$H_{DD} = 32$

$\Sigma G_{DD} = 0$

$\Sigma H_{DD} = 613$

$Td_{UNV} = 16°$

$Td_{RAMOS} = 8°$

$PPN_L = 0.01"$ $\quad \Sigma PPN_L = 3.46"$

$PPN_S = T$ $\quad \Sigma PPN_S = 2.6"$

TUES. NOV 26, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 30 °F	Dir. W	Temp. 73 °F	FQT SW— AM 11/25
Min. 24 °F	Vel. 16 m.p.h.	Read. 29.08 in.	SW— OCCASIONAL OBS-OBS
Set 25 °F	Char. VAR	Corr. 28.95 in.	
R.H. 71 %	24 hr. Mov. mi.	Sea L. 30.39 in.	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +1.5/mb	
Ppn. Sol. T in.	Snow Depth — in.	Observer SC	

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

$\bar{T} = 27$

$H_{DD} = 38$

$\Sigma H_{DD} = 651$

$\Sigma CDD = 0$

$PPN_L = T$

$PPN_S = T$

$\Sigma PPN_L = 3.46"$

$\Sigma PPN_S = 2.6"$

$T_{DWW} = 17$

$T_{WW} = 05$

$T_{DNMOS} =$

$T_{NMOS} =$

Wed. Nov. 27, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 29 °F	Dir. N	Temp. 73 °F	FAT SW- ~820 LT FOG ALONG RIDGES FRONT ON GOLF COURSE
Min. 16 °F	Vel. 2 m.p.h.	Read. 29.23 in.	
Set 18 °F	Char. Light	Corr. 29.10 in.	
R.H. 84 %	24 hr. Mov. 81.6 mi.	Sea L. 30.58 in.	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. ±0 mb	
Ppn. Sol. T in.	Snow Depth — in.	Observer SC	

0700	1300	1900
Clds. 4/10	Clds.	Clds.
Wx M. CLEAR	Wx	Wx
Vis. 10 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 23$

$HDD = 42$

$\Sigma HDD = 693$

$\Sigma CDD = 0$

$PAN_L = T$

$PAN_S = T$

$\Sigma PAN_L = 3.46"$

$\Sigma PAN_S = 2.6"$

$T_{WALL} = 16$

$T_{GROUND} = 12$

$T_{ROOM} = 16$

$T_{ROOF} = 9$

Thurs. Nov. 28, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. SW	Temp. 72 °F	OVRNT LO T = 33		
Min. 18 °F	Vel. 9 m.p.h.	Read. 29.10 in.			
Set 37 °F	Char. STDY	Corr. 28.97 in.	0700	1300	1900
R.H. 59 %	24 hr. Mov. 99 mi.	Sea L. 30.32 in.	Clds. 9/10 U	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. /+1.0 mb	Wx MISTY CLDY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 36$ $T_W = 30$ $T_d = 23$

$T_{d\,UW} = 24$

$T_{d\,RANGE} = 20$

$\bar{T} = 28$

$H_{DD} = 37$

$\Sigma H_{DD} = 730$

$\Sigma_{PDN(L)} = 3.46''$

$\Sigma_{PDN(S)} = 2.6''$

FRI NOV 29, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 53 °F	Dir. SW	Temp. °F	OVCST LO ≈ 4/3 * MIN T OCURD AFTER OBS, 20% RW - 0710 - 0930 LT
Min. 36 °F	Vel. 12 m.p.h.	Read. in.	
Set 53 °F	Char. VARIABLE	Corr. 28.80 in.	
R.H. 53 %	24 hr. Mov. 828 mi.	Sea L. 30.16 in.	
Ppn. .01 Liq. in.	Prev. Dir. SW	3 hr. Tend. 12 mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer LUB	

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

$\bar{T} = 44.5$

$T_D = 38$

$H_{DD} = 20.5$

$\Sigma H_{DD} = 751$

$\Sigma_{DPW}(L) = 3.47"$

$\Sigma_{PD}(S) = 2.6"$

SAT. NOV. 30, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 61 °F	Dir. SW	Temp. 74 °F	BINOVC SE -OVC MITLY CISTRT, CU W OVRNT LO OCURD ~ 0400LT RAPID WARMING DUE TO BKN INVRSN.
Min. 40 °F	Vel. 12 m.p.h.	Read. 28.92 in.	
Set 54 °F	Char. GUSTS TO 18	Corr. 28.79 in.	
R.H. 59 %	24 hr. Mov. 75 mi.	Sea L. 30.13 in.	
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. -.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx -OVC	Wx	Wx
Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 55$ $T_w = 48$ $T_d = 41$

$T_{d\,MIN} = 37$

$T_{d\,RANGE} = 36$

$\overline{T} = 51$

$HDD = 14$

$\Sigma_{1HDD} = 765$

$\Sigma_{PPN(L)} = 3.47''$

$\Sigma_{PPN(J)} = 2.6''$