Fri. March 1 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 46 °F	Dir. —	Temp. 72 °F	• few Sprinkles 2000 LT
Min. 25 °F	Vel. 0 m.p.h.	Read. 23.95 in.	
Set 32 °F	Char. Calm	Corr. 28.72 in.	• CVNT low 30
R.H. 59 %	24 hr. Mov. 92 mi.	Sea L. 30.12 in.	
Ppn. Liq. T in.	Prev. Dir. S	3 hr. Tend. +1/2 — mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. 10/10 cirrus altocum	Clds.	Clds.
Wx • Dim Sun • Ridge base Fog	Wx	Wx
Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{Rouj} = 35$	$\overline{T} = 36$	$\sum PCN_i = T$
$T_w =$ —	$IHD = 29$	$\sum PCN_s = 0$
$T_d = 22$	$\sum IHD = 29$	

SAT. MARCH 2, 91 / 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 62 °F	Dir. SE	Temp. 74 °F	RW- 3:00 - OBS LT
Min. 32 °F	Vel. 10 m.p.h.	Read. 28.92 in.	OVRNT LO = 50
Set 52 °F	Char. Steady	Corr. 28.29 in.	
R.H. %	24 hr. Mov. — mi.	Sea L. 29.62 in.	
Ppn. .41 Liq. in.	Prev. Dir. S	3 hr. Tend. -2 mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer SC	

	0700	1300	1900
Clds.	10/10	Clds.	Clds.
Wx	RW- Overcst	Wx	Wx
Vis.	1 mi.	Vis. mi.	Vis. mi.

$T_{ROOM} = —$ $\bar{T} = 47$ $\Sigma PCN_L = .41$

$T_W = —$ $HDD = 18$ $\Sigma PCN_C = 0$

$T_{d.} = —$ $\Sigma HDD = 47$

Sunday, March 3, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. SE	Temp. 74 °F	* NEW MAX-MIN RECORD OLD RECORD 40° RW 7:00 AM - 10:00 AM
Min. * 45 °F	Vel. 2 m.p.h.	Read. 28.50 in.	
Set 46 °F	Char. Calm	Corr. 28.37 in.	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx OVRCST	Wx	Wx
Vis. 5 mi.	Vis. mi.	Vis. mi.

R.H. 94 %	24 hr. Mov. 93.7 mi.	Sea L. 29.72 in.	
Ppn. Liq. .03 in.	Prev. Dir. S	3 hr. Tend. +3 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SC	

$T_0 = 46.5$ $\bar{T} = 57$ $\Sigma P(N_L = .44$

$T_{noon} = 47$ $HDD = 8$ $\Sigma P(N_S = 0$

$T_w = -$ $\Sigma HDD = 55$

Mon. March 4 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 61 °F	Dir. WNW	Temp. 75 °F	• Low cloud deck obscuring ridge tops. • Pres trof ~ 430 LT • R- and R 1530 LT - [illegible]		
Min. 40 °F	Vel. 13-24 m.p.h.	Read. 28.01 in.			
Set 40 °F	Char. Variable	Corr. 27.78 in.	0700	1300	1900
R.H. 79 %	24 hr. Mov. 64 mi.	Sea L. 29.23 in.	Clds. 10/10 stratus scud	Clds.	Clds.
Ppn. Liq. .77 in.	Prev. Dir. NE	3 hr. Tend. +3 / mb	Wx • Windy • R-	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{Nof} = 38$ $\quad \overline{F} = 51$ $\quad \Sigma_{PLN_L} = 1.31"$

$T_N = —$ $\quad MDD = 14$ $\quad \Sigma_{PLN_S} = 0$

$T_d = 32$ $\quad \Sigma_{MDD} = 69$

Tues. March 5 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 40 °F		Dir. WSW	Temp. 70 °F	• R-- 085 - 0715 LT • A few 1-10 minute flurry events early b. after • Sprinkles + Flurries 1915 - 1945 • event low: 31		
Min. 31 °F		Vel. 7-15 m.p.h.	Read. 28.56 in.			
Set 31 °F		Char. Variable	Corr. 28.44 in.	0700	1300	1900
R.H. 57 %		24 hr. Mov. 216 mi.	Sea L. 29.84 in.	Clds. 1/10 altocum	Clds.	Clds.
Ppn.	Liq. T in.	Prev. Dir. W	3 hr. Tend. +5 / mb	Wx • M sunny • breezy	Wx	Wx
Ppn.	Sol. T in.	Snow Depth 0 in.	Observer JcK	Vis. 20 mi.	Vis. mi.	Vis. mi.

T_{avg} = 29 $\overline{T}$ = 36 $\sum PCN_L$ = 1.31"

T_w = — HDA = 29 $\sum PCN_S$ = T

$T\lambda$ - 16 $\sum HDD$ = 98

Wed. March 6 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. E	Temp. 73 °F	• Beautiful sunrise.
Min. 30 °F	Vel. 4 m.p.h.	Read. 28.50 in.	
Set 32 °F	Char. Light	Corr. 28.37 in.	
R.H. 72 %	24 hr. Mov. 79 mi.	Sea L. 29.76 in.	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. -2½ mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. cirrus 10/10 altocum	Clds.	Clds.
Wx Mainly clear sw	Wx	Wx
Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{Avg_R} = 32$ $\quad \overline{T} = 40$ $\quad \Sigma PCN_L = 1.31"$

$T_W = —$ $\quad HDD = 26$ $\quad \Sigma PCN_S = T$

$T_L = 24$ $\quad \Sigma HDD = 123$

Thurs. March 7 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.
Max. 53 °F	Dir. WNW	Temp. 72 °F
Min. 30 °F	Vel. 18-29 m.p.h.	Read. 28.32 in.
Set 35 °F	Char. Variable gusty	Corr. 28.20 in.
R.H. 54 %	24 hr. Mov. 177 mi.	Sea L. 29.57 in.
Ppn. Liq. .48 in.	Prev. Dir. SSW	3 hr. Tend. +3 / mb
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JCK

General Obs.

- FRZPA ~ 07Z
- R-, ended 1105 LT till after I went to bed.
- Flurries just before + during + after observation
- Overnight low: 35

0700	1300	1900
Clds. 10/10 stratocumulus	Clds.	Clds.
Wx • ovc; • SW-windy	Wx	Wx
Vis. 20 E 5 W (SW) mi.	Vis. mi.	Vis. mi.

$T_{Roof} = 34$ $\overline{T} = 42$ $\Sigma P_{CN_D} = 1.79"$

$T_W = —$ $HDD = 23$ $\Sigma P_{CN_S} = T$

$T_L = 19$ $\Sigma HDD = 146$

Fri. March 8 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 36 °F	Dir. NNW	Temp. 74 °F	• clouds scattering very quickly • Random Harbor much of the time yesterday with 1 or 2 plunge showers, but no accumulation thereof. MAX T OCURD AT 0BS, 7th
Min. 24 °F	Vel. 6-11 m.p.h.	Read. 28.73 in.	
Set 26 °F	Char. slightly variable	Corr. 28.60 in.	
R.H. 63 %	24 hr. Mov. 210 mi.	Sea L. 30.03 in.	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. ±0 ~ mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JCK	

	0700	1300	1900
Clds.	3/10 Stratocum	Clds.	Clds.
Wx	Partly cloudy	Wx	Wx
Vis.	25 mi.	Vis. mi.	Vis. mi.

$T_{Roof} = 23$ $\bar{T} = 30$ $\Sigma P_{CN_1} = 1.79"$

$T_w = —$ $HDD = 35$ $\Sigma P_{CN_2} = T$

$T_d = 12$ $\Sigma HDD = 181$

SAT. MARCH 9, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. SW	Temp. 76 °F			
Min. 19 °F	Vel. 4 m.p.h.	Read. 28.77 in.			
Set 20 °F	Char. Light	Corr. 28.63 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. 99.0 mi.	Sea L. 30.07 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +2 mb	Wx Clear	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SC	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 18$ $\bar{T} = 28$ $\Sigma PCN_L = 1.79"$

$T_w = -$ $HDD = 37$ $\Sigma PCN_S = T$

$T_d = 13$ $\Sigma HDD = 218$

SUN. MARCH 10, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 44 °F	Dir. NW	Temp. 73 °F	MIN T OCURD ~ 0730 LT, 9°F OVRNT LO = 29
Min. 19 °F	Vel. 3 m.p.h.	Read. 28.82 in.	
Set 32 °F	Char. Light	Corr. 28.69 in.	
R.H. 91 %	24 hr. Mov. 34.1 mi.	Sea L. 30.10 in.	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +2 mb	
Ppn. Sol. T in.	Snow Depth T in.	Observer SC	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx SW - Overcast	Wx	Wx
Vis. 1 mi.	Vis. mi.	Vis. mi.

$T_{RWP} = 30$ $\bar{T} = 32$ $\Sigma PCN_L = 1.99''$

$T_0 = 28$ $HDD = 33$ $\Sigma PCN_S = T$

$T_W = -$ $\Sigma HDD = 241$

Monday, March 11, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 43 °F	Dir. NW	Temp. 75 °F	· SW - obs 10^h · few Cu & Ci distant SW		
Min. 23 °F	Vel. 14 m.p.h.	Read. 28.91 in.			
Set 23 °F	Char. G 20	Corr. 28.78 in.	0700	1300	1900
R.H. 43 %	24 hr. Mov. 116 mi.	Sea L. 30.07 in.	Clds. 0/10	Clds.	Clds.
Ppn. T Liq. in.	Prev. Dir. NW	3 hr. Tend. -/+1½ mb	Wx Sunny	Wx	Wx
Ppn. T Sol. in.	Snow Depth 0 in.	Observer MSS	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 20$ $\quad HDD = 32$

$T_{d_{frame}} = 1$ $\quad \Sigma HDD = 273$

$\bar{T} = 33$ $\quad \Sigma PCN_L = 1.79"$

$\Sigma PCN_S = T$

Tues. March 12, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. NW	Temp. 75 °F	– Patchy haze to the east Vis. 10 mi.		
Min. 16 °F	Vel. 5 m.p.h.	Read. 28.79 in.			
Set 19 °F	Char. Steady	Corr. 28.66 in.	0700	1300	1900
R.H. 64 %	24 hr. Mov. 130.8 mi.	Sea L. 30.09 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. +0 mb	Wx Clear	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SC	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{DWN} = 9$ HDD = 38

$T_{ROOF} = 17$ $\Sigma HDD = 311$

$\bar{T} = 27$ $\Sigma PCN_A = 1.79$"

$\Sigma PCN_S = T$

Wed. Mar. 13, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. NE	Temp. 74 °F	CLDS LOWERING & THICKENING RAPIDLY VIRGA SE-W OVRNT LO ~ 25		
Min. 19 °F	Vel. 4 m.p.h.	Read. 28.70 in.			
Set 26 °F	Char. Steady	Corr. 28.57 in.	0700	1300	1900
R.H. 53 %	24 hr. Mov. 25.2 mi.	Sea L. 2999 in.	Clds. 9/10 As Ac Ns	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NW→NE	3 hr. Tend. \ -0.2 mb	Wx BKN	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	Vis. 15 mi.	Vis. mi.	Vis. mi.

T_{max}: 37

T wet: 23

Td: 12

$\bar{T}$: 31

Hgt_0: 34

εHgt_0: 345

Zpcn (c): 679

ε Acn (s): T

THURSDAY, MARCH 14, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 36 °F	Dir. NE	Temp. 74 °F	-S- 1515 - obs (ocnl S) -S+ 0330 LT (new crsic) -SP- 1515 - 1800 LT		
Min. 26 °F	Vel. 10 m.p.h.	Read. 28.57 in.	PRESIMP ~ 0500 LT, 14th * RECORD SNOW (5.2, 1980)		
Set 30 °F	Char. Steady	Corr. 28.44 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. 38 mi.	Sea L. 29.72 in.	Clds. X	Clds.	Clds.
Ppn. Liq. 0.63 in.	Prev. Dir. NE	3 hr. Tend. ✓ +1 mb	Wx S-F	Wx	Wx
Ppn. Sol. * 5.8 in.	Snow Depth 6 in.	Observer MSS	Vis. 3/8 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 29$

$T_{d_{unv}} = 29$

$HDD = 34$

$\Sigma HDD = 379$

$\bar{T} = 31$

$\Sigma PCN_L = 2.42"$

$\Sigma PCN_S = 5.8"$

Fri. March 15 1991 — 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	
Max.	34 °F	Dir.	NNW	Temp.	72 °F
Min.	28 °F	Vel.	6 m.p.h.	Read.	28.85 in.
Set	32 °F	Char.	Steady	Corr.	28.72 in.
R.H.	72 %	24 hr. Mov.	39 mi.	Sea L.	3013 in.
Ppn. Liq.	.47 in.	Prev. Dir.	NNE	3 hr. Tend.	+2 ✓ mb
Ppn. Sol.	4.7 in.	Snow Depth	8 in.	Observer	JCK

General Obs.

S- OBS - 2300 LT (R- mixing in toward the end) (OCNL S)
• 4.6" by 1830 yest. AM. Z
• Heaviest snow in 24 HRS since 1/22-1/23/87 (old: 11.8")

	0700	1300	1900
Clds.	9/10 Stratocumulus		
Wx	S- cloudy		
Vis.	40 mi.	mi.	mi.

$T_{Avg} = 31$ $\bar{T} = 31$ $\Sigma PCN_L = 2.89"$

$T_w = —$ $HDD = 34$ $\Sigma PCN_S = 10.5"$

$T_L = 23$ $\Sigma HDD = 413$

SAT. MARCH 16, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 41 °F	Dir. SW	Temp. 72 °F	SW -- 0920 - 1000 LT
Min. 23 °F	Vel. 3 m.p.h.	Read. 29.14 in.	
Set 24 °F	Char. Light	Corr. 29.01 in.	
R.H. 71 %	24 hr. Mov. 66.7 mi.	Sea L. 30.46 in.	
Ppn. T Liq. in.	Prev. Dir. N	3 hr. Tend. /+1.5 mb	
Ppn. T Sol. in.	Snow Depth 5 in.	Observer SC	

0700	1300	1900
Clds. 9/10	Clds.	Clds.
Wx Clear	Wx	Wx
Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 26$

$T_W = —$

$T_d = 18$

$\overline{T} = 32$

$HDD = 33$

$\Sigma HDD = 446$

$\Sigma PCN_c = 2.89''$

$\Sigma PCN_s = 10.5''$

Sun. Mar 17, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 52 °F	Dir. –	Temp. 72 °F	Partly GF N-E
Min. 23 °F	Vel. 0 m.p.h.	Read. 29.15 in.	
Set 23 °F	Char. Calm	Corr. 29.02 in.	
R.H. 66 %	24 hr. Mov. 51.8 mi.	Sea L. 30.47 in.	
Ppn. Liq. 0 in.	Prev. Dir. WSW	3 hr. Tend. L-0.5 mb	
Ppn. Sol. 0 in.	Snow Depth 3 in.	Observer ESP	

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx CLR	Wx	Wx
Vis. 25 mi.	Vis. mi.	Vis. mi.

T_{ref}: 28

$\bar{T}_{frame}$: 17

T_{nf}: 25

T_d: 18

$\bar{T}$: 38

H_{00}: [redacted] 27

ΣH_{00}: 473

$\varepsilon_{pca}(c)$: 2.89°

$\varepsilon_{pca}(s)$: 10.5°

MONDAY, MARCH 18, 1991 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 54 °F	Dir. —	Temp. 72 °F	R- 1230-0230 LT, 18th L- 0230 - obs (cont R-)		
Min. 23 °F	Vel. 0 m.p.h.	Read. 28.65 in.	vsby lower SE		
Set 39 °F	Char. calm	Corr. 28.52 in.	0700	1300	1900
R.H. 93 %	24 hr. Mov. 80 mi.	Sea L. 29.81 in.	Clds. 10/10 NS	Clds.	Clds.
Ppn. Liq. 0.23 in.	Prev. Dir. SSE	3 hr. Tend. \ -3 mb	Wx L-F	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth T in.	Observer MSS	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 38$

$T_{frames} = 36$

$T = 39$

$HDD = 26$

$\Sigma HDD = 499$

$\Sigma PCN_L = 3.12"$

$\Sigma PCN_S = 10.5"$

TUES. MARCH 19, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. NW	Temp. 72 °F	L - 085 - 930 LT 0000 - 0630 LT OCNL RW - 0930 - 1900 LT S - 0500 - 0545 LT
Min. 35 °F	Vel. G 26 18 m.p.h.	Read. 28.52 in.	
Set 37 °F	Char. Var.	Corr. 28.39 in.	
R.H. 86 %	24 hr. Mov. 141.6 mi.	Sea L. 29.76 in.	
Ppn. Liq. .09 in.	Prev. Dir. W	3 hr. Tend. +2 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer SC	

0700	1300	1900
Clds. 9/10	Clds.	Clds.
Wx Overcst	Wx	Wx
Vis. 10 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 42$ HDD = 23

$T_b = 35$ $\Sigma HDD = 522$

$\Sigma PCN_L = 3.21"$

$\Sigma PCN_A = 10.5"$

Wed. Mar. 20, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 43 °F	Dir. NW	Temp. 72 °F	RW -- 1800-2200 LT RW - 2030-2130 LT Few 5-- 3000 LT PRESAR Hazy NE
Min. 35 °F	Vel. 9 m.p.h.	Read. 28.80 in.	
Set 36 °F	Char. Steady	Corr. 28.67 in.	
R.H. 67 %	24 hr. Mov. 200.7 mi.	Sea L. 30.07 in.	
Ppn. Liq. T in.	Prev. Dir. NW	3 hr. Tend. /+3.0 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 8/10 Sc	Clds.	Clds.
Wx BKN	Wx	Wx
Vis. 12 mi.	Vis. mi.	Vis. mi.

T_{ad}: 37
T_{wt}: 33
T_d: 27

$\bar{T}$: 39

H_{20}: 26

ΣH_{00}: 548

$\Sigma PCN(L)$: 3.21 "
$\Sigma pan(s)$: 10.5 "

THURSDAY, MARCH 21, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 52 °F	Dir. —	Temp. 74 °F	: RW- 0400 - 0450 (est) LT
Min. 36 °F	Vel. 0 m.p.h.	Read. 28.84 in.	
Set 38 °F	Char. calm	Corr. 28.71 in.	
R.H. 76 %	24 hr. Mov. 87 mi.	Sea L. 30.00 in.	
Ppn. Liq. 0.01 in.	Prev. Dir. W	3 hr. Tend. — 0 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. 10/10 As	Clds.	Clds.
Wx cloudy	Wx	Wx
Vis. 12 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 36$ HDD = 21

$T_{d_{range}} = 29$ $\Sigma HDD = 569$

$\bar{T} = 44$ $\Sigma DCH_L = 3.22"$

$\Sigma PCN_S = 10.5"$

Fri. Mar 22, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 64 °F	Dir. —	Temp. 74 °F	RW — ~1430 LT GF all quads, esp NE (vis, NE 1/4) overnt LO ~ 40 @ 0500 LT
Min. 38 °F	Vel. 0 m.p.h.	Read. 28.79 in.	
Set 42 °F	Char. Calm	Corr. 28.66 in.	TWR visby 5 mi
R.H. 70 %	24 hr. Mov. 71.2 mi.	Sea L. 30.04 in.	
Ppn. T Liq. in.	Prev. Dir. SSW	3 hr. Tend. -/+1.0 mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 10/10 As Ac	Clds.	Clds.
Wx GF	Wx	Wx
Vis. 2 mi.	Vis. mi.	Vis. mi.

T_{mat}: 45

T_{mat}: 41

Tot: 35

$\bar{T}$: 57

H_{obs}: 14

ΣH_{obs}: 58.3

$\Sigma_{Rcn}(1)$: 3.22"

$\Sigma_{Rcn}(5)$: 10.5"

SAT. MAR 23, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 56 °F	Dir. SE	Temp. 74 °F	RDGTPS PTLY OBSCD TRW 0900-0915 (LTGCCCG) RW- 0915 - 1100 L,R- 1845 - 2100 RW 0245 - 0315		ALL TIMES LOCAL
Min. 41 °F	Vel. 14G24 m.p.h.	Read. 28.84 in.			
Set 41 °F	Char. GUSTY	Corr. 28.70 in.	0700	1300	1900
R.H. 86 %	24 hr. Mov. 58.3 mi.	Sea L. 30.08 in.	Clds. 10/10 V	Clds.	Clds.
Ppn. Liq. .25 in.	Prev. Dir. E	3 hr. Tend. ^+0 mb	Wx OVC	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 40$ $T_{d\ min} = 33$ $T_{d\ max} = 38$

$\bar{T} = 49$

$H_{DD} = 16$

$\Sigma H_{DD} = 599$

$\Sigma_{pcv.(L)} = 3.47"$

$(S) = 10.5"$

Sun. March 24 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 46 °F	Dir. NNW	Temp. 73 °F	• TRW 0815 - 0830 LT • RW - 0830 - 1000 LT • 4 L - 1500 - AT LEAST 0100 LT • AB:
Min. 39 °F	Vel. 3 m.p.h.	Read. 28.42 in.	
Set 45 °F	Char. Light	Corr. 28.29 in.	• DWPT LO: 39 @ ~ 0430 LT

0700	1300	1900
Clds. 10/10 STRATOCUMULUS 10/10 (FEW GAPS)	Clds.	Clds.
Wx • R - • mdly	Wx	Wx
Vis. 25 mi.	Vis. mi.	Vis. mi.

Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Ppn. Sol.	Snow Depth	Observer
.16 in.	SSE	-1 ↘ mb	0 in.	0 in.	JCK

$T_{Roof\,a} = 44$ $\bar{T} = 43$ $\Sigma PCN_L = 3.63$

$T_w = ---$ $HDD = 22$ $\Sigma PCN_S = 10.5$"

$T_d = 36$ $\Sigma_{HDD} = 621$

Monday, March 25, 1991 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 49 °F	Dir. WNW	Temp. 72 °F	• R- obs - 1200 (est) LT • RW/IPW 1508 - 1511 LT OK WND 62mph (1125 LT) • L - 1845 - 2100 (est) LT
Min. 39 °F	Vel. 10 m.p.h.	Read. 28.81 in.	
Set 41 °F	Char. gusty	Corr. 28.68 in.	

	0700	1300	1900
R.H. 79 %	Clds. 10/10 · As · Sc	Clds.	Clds.
Ppn. Liq. 0.11 in.	Wx cloudy / breezy	Wx	Wx
Ppn. Sol. T in.	Vis. 15 mi.	Vis. mi.	Vis. mi.

Snow Depth	Observer	24 hr. Mov.	Sea L.	3 hr. Tend.
0 in.	MSS	242 mi.	29.97 in.	/ +2 mb

$T_{roof} = 39$

$T_{d\ max} = 30$

$T_{d\ min} = 35$

$\bar{T} = 44$

HDD = 21

$\Sigma HDD = 642$

$\Sigma PCM_L = 3.74"$

$\Sigma PCM_S = 10.5"$

Tues, March 26, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 43 °F	Dir. —	Temp. 73 °F	RW - 0715 - 0745 LT 1030 - 1130 LT 1400 - 1430 LT 1530 - 1600 LT L - 0700 - 1600 LT HEAVY FROST ON GOLF COURSE		
Min. 27 °F	Vel. 0 m.p.h.	Read. 29.05 in.			
Set 27 °F	Char. Calm	Corr. 28.92 in.	0700	1300	1900
R.H. 85 %	24 hr. Mov. 840 mi.	Sea L. 30.35 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. .03 in.	Prev. Dir. W	3 hr. Tend. /+1 mb	Wx HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SC	Vis. 2 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 29$

$T_{d\,NORMALS} = 25$

$T_{d\,VAN} = 27$

$\bar{T} = 35$

$HDD = 30$

$\Sigma HDD = 677$

$\Sigma PCN_L = 3.77"$

$\Sigma PCN_S = 10.5"$

"ACCIDENT" ON ROOF

Wed. Mar. 27, 1991 — 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.
Max. 51 °F	Dir. S	Temp. 74 °F
Min. 27 °F	Vel. 10 m.p.h.	Read. 28.86 in.
Set 45 °F	Char. Steady	Corr. 28.73 in.
R.H. 93 %	24 hr. Mov. 62.4 mi.	Sea L. 30.10 in.
Ppn. Liq. .31 in.	Prev. Dir. SSE	3 hr. Tend. V-0.0 mb
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP

General Obs.

OCNL RW-- 1530-obs LT
R- 1730-2030 LT
RW- 2330-0000 LT
0500-0645 LT (OCNL RW)
TRW- 0245-0400 LT (OCNL [illegible], TRW)
CIG RGD / CIG ~ 1000 FT
Over Lo: 45

	0700	1300	1900
Clds.	10/10 St		
Wx	Fog (OCNL RW-)		
Vis.	3 mi.	mi.	mi.

T_{mid}: 46

T_{mar}: 45

T_{ob}: 44

$\bar{T}$: 38

H_{e0}: 26

$\#H_{e0}$: 703

$\#pixel(t)$: 4208''

$\#pixel(s)$: 105"

THURSDAY, MARCH 28, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 67 °F	Dir. WSW	Temp. 77 °F	•RW- obs - 1030 LT •TRW- 0905 - 0930 LT LTGCG N •max ocrd ~ [illegible] LT, 28th • PRESER • PRESIMP ~ 0400 LT, 28th •few Cu along Tussey Ridge (over)		
Min. 45 °F	Vel. 35 m.p.h.	Read. 28.38 in.			
Set 59 °F	Char. gust to 64	Corr. 28.24 in.	0700	1300	1900
R.H. 40 %	24 hr. Mov. 132 mi.	Sea L. 29.50 in.	Clds. 1/10 Ci	Clds.	Clds.
Ppn. Liq. 0.03 in.	Prev. Dir. WSW	3 hr. Tend. / + 4 mb	Wx windy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 58$

$T_{d\,max} = 30$

$T_{d\,min} = 34$

$\bar{T} = 56$

$HDD = 9$

$\Sigma HDD = 712$

$\Sigma PCN_L = 4.11"$

$\Sigma PCN_S = 10.5"$

Cont from front:

Est wind gust 70 mph @ 0830 LT

Light damage to trees in the area.

Sustained winds 40-50 0615-0645 LT.

Fri March 29 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 60 °F	Dir. W	Temp. 76 °F	• Gusts to 60 [illegible] • [illegible] Gusts to 50 mph [illegible] – 1000 LT		
Min. 42 °F	Vel. 10 m.p.h.	Read. 28.53 in.			
Set 48 °F	Char. Steady	Corr. 28.39 in.	0700	1300	1900
R.H. 40 %	24 hr. Mov. 257 mi.	Sea L. 29.73 in.	Clds. 10/10 [illegible]	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +2 mb	Wx •OVC •[illegible]	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JAK	Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{avg_{n}} = 48$ $\overline{T} = 51$ $\Sigma Prec_{L} = 4.11"$

T_w = — $HDD = 14$ $\Sigma Pcn_{S} = 10.5"$

$Td = 25$ $\Sigma HDD = 726$

Sat. Mar. 30, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 53 °F	Dir. N	Temp. 76 °F	S- 2230 – S 0100-0940 (ocnl S+) Fropa 0730 LT (29th) VSBL 3/4 V 1 1/2 (S7) WET SNW SNW DALY VSBL PRESRR		
Min. 28 °F	Vel. 5 m.p.h.	Read. 28.66 in.			
Set 28 °F	Char. Steady	Corr. 28.52 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. 83.7 mi.	Sea L. 29.93 in.	Clds. 10/10 Snw NS Fc	Clds.	Clds.
Ppn. Liq. .18 in.	Prev. Dir. N	3 hr. Tend. / +4.0 mb	Wx S-F	Wx	Wx
Ppn. Sol. 1.8 in.	Snow Depth 2 in.	Observer ESP	Vis. V 1 1/4 mi.	Vis. mi.	Vis. mi.

[illegible]: 28

[illegible]: [illegible]

[illegible]: 28

$\bar{T}$: 41

H_{0s}: 24

$\Sigma\, H_{0b}$: 750

$\Sigma\, pm(4)$: 4.29°

$\Sigma\, pm(5)$: 12.3°

Sun. Mar. 31, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 41 °F	Dir. —	Temp. 76 °F	S- obs - 0720 LT Patchy VLy Fog Penns VLy		
Min. 22 °F	Vel. 0 m.p.h.	Read. 29.13 in.			
Set 26 °F	Char. calm	Corr. 28.99 in.	0700	1300	1900
R.H. 71 %	24 hr. Mov. 99.4 mi.	Sea L. 30.44 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. WNW	3 hr. Tend. /+1.5 mb	Wx CLR	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ESP	Vis. 25 mi.	Vis. mi.	Vis. mi.

Tmin: 26

Tmax: 33.5

Td: 18

$\bar{T}$: 32

HDD: 33

ΣHDD: 783

Σpcp(t): 4.29"

Σpcp(s): 12.3"