Tues. March 11 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 34 °F	Dir. WSW	Temp. 74°	• Gloriously clear sky all-day yesterday except the first hour or two.
Min. 16 °F	Vel. 8 m.p.h.	Read. 29.13	
Set 18 °F	Char. Steady	Corr. 29.00	• Range: 32, 15
R. H. 70 %	24 hr. Mov. 128 mi.	Sea L. 30.47	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. ±0 —	
Ppn. Sol. 0 in.	Snow Depth T in.	Observer JCK	

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx • Clear •	Wx	Wx
Vis. 30 mi.	Vis.	Vis.

$T_{\text{neighbors}} = 16$ $\quad \bar{T} = 25$ $\quad \Sigma PCN_L = 0$ "

$T_w =$ —— $\quad \Sigma ND = 40$ $\quad \Sigma PCN_S = 0$ "

$T_d =$ —— $\quad \Sigma NDD = 40$

$cDD = 0$

$T_{\text{new}} = 17$ $\quad \Sigma cDD = 0$

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

Fri. March 2, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 42 °F	Dir. WSW	Temp. 74	. Few patches of snow left on ground
Min. 18 °F	Vel. 6 m.p.h.	Read.	
Set 29 °F	Char. Steady	Corr.	. Ramos 41/29

	0700	1300	1900
Clds.	Clds. CS 1/10	Clds.	Clds.
Wx	Wx CLR	Wx	Wx
Vis.	Vis. 25 mi	Vis.	Vis.

R. H. 45 %	24 hr. Mov. 109 mi.	Sea L. 30.02	
Ppn. 0 in.	Liq.	Prev. Dir. SW	3 hr. Tend. -2 _
Ppn. 0 in.	Sol.	Snow Depth T in.	Observer MK

$\bar{T}$ = [redacted] 30°F

$T_{d(UNV)}$ = [redacted] [?] 1°F

T_{DD} = [redacted] 35°F

$\Sigma PCN_L = 0$

$\Sigma PCN_C = 0$

Saterdey March 3, 1930

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 52 °F	Dir. 230	Temp. 74° F			
Min. 27 °F	Vel. 4 m.p.h.	Read. 28.56			
Set 34 °F	Char. Light	Corr. 28.42	0700	1300	1900
R. H. 69%	24 hr. Mov. 133.0 mi	Sea L. 29.81	Clds. 7/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. +.6	Wx	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JBK	Vis. 25 mi	Vis.	Vis.

$\bar{T} = 40°F$

$T_{R(WW)} = 25°F$

$T_{DD} =$ [redacted] $25°F$

$\Sigma Pcn_L = 0$

$\Sigma Pcn_c = 0$

Sunday March 4, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. N	Temp. 76°F	• Stratocu widespread toward west at time of obs.
Min. 18 °F	Vel. 3 m.p.h.	Read. 28.85	
Set 18 °F	Char. Light	Corr. 28.72	

0700	1300	1900
Clds. 4/10	Clds.	Clds.
Wx	Wx	Wx
Vis. 25 mi	Vis.	Vis.

R. H. 57 %	24 hr. Mov. 128.9 mi	Sea L. 30.17	
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. +2.0 /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JBK	

$\bar{T} = 34°F$

$T_{d(WW)} = 5°F$

$T_{DD} = 31°F$

$\Sigma P_{cn_L} = 0$

$\Sigma P_{cn_S} = 0$

Monday, March 5, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 34 °F	Dir. NE	Temp. 75 °F	• visibility slightly better to W • S- began ~0300 LT
Min. 18 °F	Vel. 6 m.p.h.	Read. 29.18"	
Set 25 °F	Char. steady	Corr. 29.04"	- Ramos overnight low = 23°F

	0700	1300	1900
R. H. 74 %	Clds. OVC	Clds.	Clds.
Ppn. Liq. 0.02 in.	Wx S-	Wx	Wx
Ppn. Sol. 0.4 in.	Vis. 2 miles	Vis.	Vis.
24 hr. Mov. 82.3 mi.			
Prev. Dir. W			
Snow Depth T in.			
Sea L. 30.35"			
3 hr. Tend. +2mb /			
Observer MSS			

$\bar{T} = 26^{\circ}F$

$T_{d_{min}} = 18^{\circ}F$

$T_{roof} = 23^{\circ}F$

$HDD = 39$

$\Sigma HDD = 170$

$\Sigma PCN_l = 0.02"$

$\Sigma PCN_s = 0.4"$

Tue., March 6, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 36 °F	Dir. NE	Temp. 73°F	• ocnl SW - 1530 - 2300 LT • S - 0300 - 0500 LT • Some snow melt upon impact
Min. 25 °F	Vel. 15 m.p.h.	Read. 29.20"	
Set 30 °F	Char. Varying intensity	Corr. 29.07"	Ramos DWPT low: 29°F
R. H. 84 %	24 hr. Mov. 27.3 mi.	Sea L. 30.38"	
Ppn. Liq. 0.04 in.	Prev. Dir. NNE	3 hr. Tend. +2mb ✓	
Ppn. Sol. 0.4 in.	Snow Depth T in.	Observer MSS	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx ZL-	Wx	Wx
Vis. 3 miles	Vis.	Vis.

$T_{roof} = 29^{\circ}F$

$T_{dew\ point} = 25^{\circ}F$

$\bar{T} = 31^{\circ}F$

$HDD = 34$

$\Sigma HDD = 204$

$\Sigma PCN_l = 0.06"$

$\Sigma PCN_s = 0.8"$

WED., MARCH 7, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 36 °F	Dir. NE	Temp. 73°F	• SW- 0800-0930 LT
Min. 9 °F	Vel. 5 m.p.h.	Read. 29.60"	• ZL- ended 0930 LT
Set 9 °F	Char. light	Corr. 29.47"	• SW- 1000 - 1100 LT
R. H. 66 %	24 hr. Mov. 82.4 mi	Sea L. 30.84"	• vsby slightly better to west
Ppn. Liq. T in.	Prev. Dir. NE	3 hr. Tend. +1mb	
Ppn. Sol. T in.	Snow Depth T in.	Observer MSS	

0700	1300	1900
Clds. CLR	Clds.	Clds.
Wx sunny	Wx	Wx
Vis. 6 miles	Vis.	Vis.

$T_{roof} = 9°F$

$T_{dew_{roof}} = 0°F$

$\bar{T} = 23°F$

HDD = 42

$\sum HDD = 246$

$\sum PCN_g = 0.06"$

$\sum PCN_s = 0.8"$

· Ramas: 37/7

Thurs. Mar 8 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 36 °F	Dir. —	Temp. 74°	• Overnight low ~ 14°
Min. 9 °F	Vel. 0 m.p.h.	Read. 29.32	
Set 14 °F	Char. CALM	Corr. 29.19	*Avg Prev. Dir ~ NE
R. H. MAX 70 %	24 hr. Mov. 22 mi.	Sea L. 30.48	• Rain: 39.7
Ppn. Liq. 0 in.	Prev. Dir.* N to E to S to E	3 hr. Tend. ±0	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

	0700	1300	1900
Clds.	0/10		
Wx	• clear • Sunny		
Vis.	25 mi.		

$T_{no\ of\ Rooms} = 15$

$T_w = —$

$T_d = —$

$T_{mw} = 14$

$T_{dmw} = 6$

$\bar{T} = 23$

$HDD = 42$

$\Sigma HDD = 288$

$CDD = 0$

$\Sigma CDD = 0$

$\Sigma P_{CN_v} = .06"$

$\Sigma P_{CN_s} = 0.8"$

Fri. Mar 9, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 45 °F	Dir. –	Temp. 76	R-ZR-F 0 ~ 0330 LT
Min. 14 °F	Vel. Calm m.p.h.	Read. 29.02	Glaze on most sfcs
Set 32 °F	Char. Calm	Corr. 29.88	Ranos: 43/2a = OVRNT LO (~ 0500 LT)
R. H. 90 %	24 hr. Mov. 38.8	Sea L. 30.32	
Ppn. .04 Liq. in.	Prev. Dir. S	3 hr. Tend. – 0.0 mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. X	Clds.	Clds.
Wx R-ZR-F	Wx	Wx
Vis. 5/8 mi	Vis.	Vis.

T_{roof}: 32.5

T_{wet}: 31

T_d: 29.5

$\bar{T}$: 30

H_{dd}: 35

ΣH_{dd}: 323

$\Sigma P_{CP}(c)$: 0.10"

$\Sigma P_{CP}(s)$: 0.8"

Sat Mar 10 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. WNW	Temp. 74°	• Amazingly sharp boundary between no-fog samples/atmosphere str. and thick-surface-fog golf course. • R-, ZR- End ~0800 LT • Ocnl L- 1200-1630 LT • RW- 1630-1800 LT • Ocnl L- 1800 on		Radios Orient Lot 35
Min. 32 °F	Vel. 9 m.p.h.	Read. 28.96			
Set 36 °F	Char. Smly	Corr. 28.83			
			0700	1300	1900
R. H. 77 %	24 hr. Mov. 14 mi.	Sea L. 30.21	Clds. 6/ CIRRUS 10 ALTOSTRAT	Clds.	Clds.
Ppn. Liq. .17 in.	Prev. Dir. SW	3 hr. Tend. +2 ~ /	Wx • Rfg SW. • Gnd Fog	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JcK	Vis. 2-5 mi.	Vis.	Vis.

$T_{Roof} = 42$ $\quad \bar{T} = 36$ $\quad \Sigma P_{CN_L} = .27''$

$T_W = 39$ $\quad HDD = 29$ $\quad \Sigma P_{CN_S} = .8''$

$T_L = 35$ $\quad \Sigma HDD = 352$

$CDD = 0$

$\Sigma CDD = 0$

Sun. Mar. 11, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 64 °F	Dir. —	Temp. 74	RW 0300-0400 LT (ocnl RW-)
Min. 36 °F	Vel. calm m.p.h.	Read. 29.00	Vsby 1/4 v 5/8
Set 48 °F	Char. nearly calm ocnl SW	Corr. 28.87	Twr vsby 1 1/2 RAMOS CRNT LDS= 47
R. H. 83 %	24 hr. Mov. 41.7 mi	Sea L. 30.24	Ramos: 64/39
Ppn. .11 Liq. in.	Prev. Dir. SSW	3 hr. Tend. ↑ +0.8 mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 10/10 fog cu st	Clds.	Clds.
Wx Fog	Wx	Wx
Vis. 1/2 v	Vis.	Vis.

T_{roof}: 51

T_{wet}: 48.5

T_d: 46

$\bar{T}$: 50

H_{DD}: 15

SH_{DD}: 367

$S_{pcp(c)}$: .36"

$S_{pcp(s)}$: .8"

Mon., March 12, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 65 °F	Dir. SW	Temp. 77°F	• fog/haze significant to E MIN T occurred 0700 LT, 11th
Min. 48 °F	Vel. 10 m.p.h.	Read. 28.98"	
Set 56 °F	Char. steady	Corr. 28.84"	• RAMOS not available
R. H. 75 %	24 hr. Mov. N/A	Sea L. 30.13"	
Ppn. Liq. T in.	Prev. Dir. N/A	3 hr. Tend. +0.5mb/	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. 5/10	Clds.	Clds.
Wx altostrat altocu.	Wx	Wx
Vis. 5 mi/cs	Vis.	Vis.

T_{roof} : N/A

$\bar{T}$ = 57°F

T_{psy} = 59°F

T_{wet} = 54°F

T_d = 51°F

HDD = 8

ΣHDD = 375

ΣPCN_e = 0.36"

ΣPCN_s = 0.8"

TUE., MARCH 13, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. *77 °F	Dir. W	Temp. 80°F	*breaks record of 69° (1927, 1946) HIGHEST ON RECORD SO EARLY IN SEASON
Min. **54 °F	Vel. 12 m.p.h.	Read. 28.97"	**breaks record of 52° (1977)
Set 64 °F	Char. steady	Corr. 28.82"	• fog/haze significant to E • visibility better to W

0700	1300	1900
Clds. 7/10	Clds.	Clds.
Wx stratus / stratocu.	Wx	Wx
Vis. 5 miles	Vis.	Vis.

R. H.	24 hr. Mov.	Sea L.
70 %	N/A	30.10"

Ppn.	Liq.	Prev. Dir.	3 hr. Tend.
0	in.	N/A	+1mb

Ppn.	Sol.	Snow Depth	Observer
0	in.	0 in.	MSS

T_{roof} = N/A

$\bar{T}$ = 66°F

HDD = 0 CDD = 1

ΣHDD = 375 ΣCDD = 1

ΣPCN_L = 0.36"

ΣPCN_S = 0.8"

T_{DSY} = 65°F

T_w = 59°F

T_d = 55°F

- TCU to NW @ 0730 LT min occured ~0800 LT
- RAMOS NOT AVAILABLE

WED., MARCH 14, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 75 °F	Dir. NE	Temp. 78 °F	- fog significant over ridges & golf course, but dissipating rapidly * breaks record of 73° (1946) * breaks record of 47° (1929)
Min. 49 °F	Vel. 4 m.p.h.	Read. 28.94"	
Set 49 °F	Char. light & variable	Corr. 28.80"	

0700	1300	1900
Clds. - 2/10 - altocumulus	Clds.	Clds.
Wx FOG	Wx	Wx
Vis. 2 miles	Vis.	Vis.

R. H.	24 hr. Mov.	Sea L.
88 %	56.8 mi	30.09"
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. +0.5mb /
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS

$T_{roof} = 51°F$

$\bar{T} = 62°F$

$T_{psy} = 54°F$

$T_{wet} = 52°F$

$T_{dew} = 50°F$

HDD = 3

CDD = 0

$\Sigma HDD = 378$

$\Sigma CDD = 1$

$\Sigma PCN_2 = 0.36"$

$\Sigma PCN_3 = 0.8"$

THURS. MAR 15 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. * 80 °F	Dir. E	Temp. 80°	* CRUSHES, DEMOLISHES, SHATTERS, /5-SLIT. 2A-2TS/ OLD RECORD of 70° in 1945. ALSO: SETS NEW RECORD FOR CONSECUTIVE RECORD Highs in March (3). ALSO²: EARLIEST 80° ACHIEVED IN SEASON.
Min. 49 °F	Vel. 3 m.p.h.	Read. 28.80	
Set 52 °F	Char. Light	Corr. 28.65	
R. H. 62 %	24 hr. Mov. 65mi	Sea L. 29.97	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +1½ /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ICK	

• Rems: 79, 50

0700	1300	1900
Clds. 10/ VERY THIN 10 CIRRUS	Clds.	Clds.
Wx • Partly Sun • Gnd Fog E	Wx	Wx
Vis. 20 mi.	Vis.	Vis.

$T_{max} = 59$ $\quad \overline{T} = 65$ $\quad \Sigma_{PCN_L} = 0.36"$

$T_{min} = 52$ $\quad HDD = 0$ $\quad \Sigma_{PCN_S} = 0.8"$

$T_d = 46$ $\quad \Sigma_{HDD} = 378$

$CDD = 0$

$\Sigma_{CDD} = 1$

Fri. Mar. 16, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. * 82 °F	Dir. S	Temp. 82	* 49th record hi ; in a row. Prev. record 78 (1943). Warmest hi so early in season
Min. 52 °F	Vel. 14 m.p.h.	Read. 28.84	Aceas w/ wave clouds all quads
Set 66 °F	Char. Gusts to 20	Corr. 28.69	Ramos: 79/64
R. H. 68 %	24 hr. Mov. 129.4 mi	Sea L. 30.01	
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. L - 1.0 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. Ci 10/10 Aceas CU	Clds.	Clds.
Wx -OVC	Wx	Wx
Vis. 25 mi	Vis.	Vis.

T_{roof}: 67

T_{wet}: 60

T_d: 56

$\bar{T}$: 67

C_{DD}: 2

ΣC_{DD}: 3

ΣH_{DD}: 378

$\Sigma_{pen(1)}$: 0.86"

$\Sigma_{pen(2)}$: 0.8"

Sat March 17 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. SSW	Temp. 79°	• RA ~ 0930 LT + CONTINUED OFF + ON AS R- FOR DAY AND NIGHT. (NIGHT WAS MOSTLY "OFF") * RECORD MAX MIN FOR MONTH OF MARCH
Min. 62* °F	Vel. 12 - 42 m.p.h.	Read. 28.37	• GORGEOUS MULTI-LEVEL, FAST-MOVING CLOUDS OVERHEAD
Set 64 °F	Char. · Hvy/v variable	Corr. 28.23	• Ramg: 68, 60
R. H. 81 %	24 hr. Mov. 182 mi.	Sea L. 29.52	
Ppn. .14 Liq. in.	Prev. Dir. S	3 hr. Tend. -1½	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. 10/10 CONTINUOUS CU	Clds.	Clds.
Wx · Mod · SHOWERS	Wx	Wx
Vis. 13 mi.	Vis.	Vis.

$T_{mef} = 65$ $\bar{T} = 66$ $\Sigma PCN_L = 0.50"$

$T_w = 61$ $HDD = 0$ $\Sigma PCN_S = 0.8"$

$T_d = 59$ $\Sigma_{HDD} = 378$

$CDD = 1$

$\Sigma_{CDD} = 4$

Sun Mar 18 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 64 °F	Dir. WSW	Temp. 76°	• FROPA 0815 LT • RW- OFF + ON OBS TO FROPA • AT FROPA RW, RW+ • OENL RW- THEN UNTIL ~1230 LT
Min. 41 °F	Vel. 10 - 30 m.p.h.	Read. 28.55	
Set 41 °F	Char. Variable	Corr. 28.41	• RAMOS: 64, 39
R. H. Ramos 54 %	24 hr. Mov. 188 mi.	Sea L. 29.78	
Ppn. Liq. .11 in.	Prev. Dir. WSW	3 hr. Tend. +2	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

	0700	1300	1900
Clds.	9/10 • CIRRUS • STRATOCUMULUS	Clds.	Clds.
Wx	• BL. HAZE • PC cloudy	Wx	Wx
Vis.	40 mi.	Vis.	Vis.

$T_{\text{reflamos}} = 39$ $\quad \overline{T} = 58$ $\quad \Sigma_{PCN_L} = 0.61"$

$T_w = \text{——}$ $\quad HDD = 12$ $\quad \Sigma_{PCN_S} = 0.8"$

$T_{\text{lamos}} = 22$ $\quad \Sigma_{HDD} = 385$

$CDD = 0$

$\Sigma_{CDD} = 4$

Mon., March 19, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 46 °F	Dir. SSW	Temp. 74°F	- sun dimly visible - fog at foot of ridges FBW ∇ 1000-1200 LT, 18th
Min. 30 °F	Vel. 2 m.p.h.	Read. 28.97"	
Set 35 °F	Char. light	Corr. 28.84"	Ramos : 44/33
R. H. ramos 59 %	24 hr. Mov. 167.2 mi.	Sea L. 30.13"	
Ppn. Liq. T in.	Prev. Dir. WSW	3 hr. Tend. ± 0 —	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 9 miles	Vis.	Vis.

$T_{roof} = 35°F$

$T_{d\,roof} = 22°F$

HDD = 27

CDD = 0

$\Sigma HDD = 412$

$\Sigma CDD = 4$

$\Sigma PCN_e = 0.61"$

$\Sigma PCN_s = 0.8"$

$T_{surr} = 33°F$

$T_d = 22°F$

$\bar{T} = 38°F$

TUES., MARCH 20, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. NNW	Temp. 73°F	• occnl R- 1510 - 1900 LT • S- 1815 LT - 0300 LT • some snow melt upon contact with ground
Min. 28 °F	Vel. 7 m.p.h.	Read. 28.96"	
Set 28 °F	Char. varying intensity	Corr. 28.83"	runs: 47/27
R. H. 75 %	24 hr. Mov. 73.3 mi.	Sea L. 30.13"	
Ppn. Liq. 0.45 in.	Prev. Dir. W	3 hr. Tend. +1/2 mb	
Ppn. Sol. 2.6 in.	Snow Depth 1 in.	Observer MSS	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx • OVC • Stratus	Wx	Wx
Vis. 4 miles	Vis.	Vis.

$T_{roof} = 27°F$

$T_{Droof} = 20°F$

$T_{conv} = 28°F$

$T_{Dconv} = 20°F$

$\bar{T} = 39°F$

$HDD = 26$ $\quad CDD = 0$

$\Sigma HDD = 438$ $\quad \Sigma CDD = 4$

$\Sigma PCN_l = 1.06"$

$\Sigma PCN_s = 3.4"$

- vsby slightly better to west
- gauge changed at 1900LT (0.19" rain)

WED., MARCH 21, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 30 °F	Dir. WNW	Temp. 73°F	· SW - 1030 - 1130 LT · S - 1200 - 1900 LT
Min. 26 °F	Vel. 12 m.p.h.	Read. 29.01"	
Set 28 °F	Char. occasn'l gusty	Corr. 28.88"	remos 28/24 ; min ocrd ~ 0400 LT
R. H. 63 %	24 hr. Mov. 172.3 mi.	Sea L. 30.18"	
Ppn. Liq. 0.01 in.	Prev. Dir. WNW	3 hr. Tend. +1.5mb /	
Ppn. Sol. 0.2 in.	Snow Depth T in.	Observer MSS	

0700	1300	1900
Clds. CLR	Clds.	Clds.
Wx - Sunny - hazy	Wx	Wx
Vis. 7 miles	Vis.	Vis.

$T_{roof} = 27°F$

$T_{droof} = 16°F$

$\bar{T} = 28°F$

$HDD = 37$

$\Sigma HDD = 475$

$\Sigma CDD = 4$

$\Sigma PCN_e = 1.07"$

$\Sigma PCN_s = 3.6"$

Tues Mar 27 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 49 °F	Dir. —	Temp. 74°	• OVNT Lo ~ 32 • A little fog at base of Ridges.
Min. 28 °F	Vel. 0 m.p.h.	Read. 28.96	
Set 32 °F	Char. calm	Corr. 28.83	• Ramos: 48, 27
R. H. Ramos 63 %	24 hr. Mov. 107.1 mi.	Sea L. 30.24	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +½ —	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. 10/10 • cirrus • altocum	Clds.	Clds.
Wx • Milky sun • calm	Wx	Wx
Vis. 25 mi.	Vis.	Vis.

$T_{\text{Roof Rafters}} = 34$

$T_{WL} = —$

$T_{ol} = 23$

$\overline{T} = 39$

$HDD = 26$

$\sum HDD = 501$

$CDD = 0$

$\sum CDD = 4$

$\sum P_c N_c = 1.07"$

$\sum P_c N_s = 3.6$

Fri. Mar. 23, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 66 °F		Dir. W	Temp. 74	RW- 0445-0530 LT Fropa ~ 0530 LT Precip Binoc Ramos: 63, 34 OVRNT Lo = 44		
Min. 32 °F		Vel. 20 m.p.h.	Read. 28.90			
Set 46 °F		Char. Steady	Corr. 29.77			
				0700	1300	1900
R. H. 60 %		24 hr. Mov. 260 mi	Sea L. 30.15	Clds. 10/10 Sc	Clds.	Clds.
Ppn. .01	Liq. in.	Prev. Dir. SSW	3 hr. Tend. ↓ +40 mb	Wx OVC	Wx	Wx
Ppn. 0	Sol. in.	Snow Depth 0 in.	Observer ESP	Vis. 15 mi.	Vis.	Vis.

T_{wet} : 44

T_d : 30 @ Sychrometer reading.

$\bar{T}$: 49

H_{dd} : 16

ΣH_{dd} : 517

$\Sigma pcp(c)$: 1.08

$\Sigma pcp(s)$: 3.6"

Sat Mar 24 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. ENE	Temp. 73°	•RW - 1210 - 1215 LT • NOTE: High was achieved shortly after 0A.M. yesterday. Temp. then fell gradually.
Min. 28 °F	Vel. 2 m.p.h.	Read. 29.09	
Set 29 °F	Char. Very Light	Corr. 28.96	• Rawcs: 46, 26
R. H. Rawcs 58 %	24 hr. Mov. 170 mi.	Sea L. 30.33	
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. +1½	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. 10/10 Stratus	Clds.	Clds.
Wx • OVC	Wx	Wx
Vis. 20 mi.	Vis.	Vis.

$T_{roof\ Rooms} = 27$ $\quad \overline{T} = 38$ $\quad \Sigma P_{CH_L} = 1.08''$

$T_w = \text{——}$ $\quad HDD = 27$ $\quad \Sigma P_{AN_S} = 3.6''$

$T_{dp} = 12$ $\quad \Sigma_{HDD} = 544$

$CDD = 0$

$\Sigma_{CDD} = 16$

Sun. Mar. 25, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 31* °F	Dir. SW	Temp. 76	S- 1000-1830 LT (ocnl S-)		
Min. 24 °F	Vel. 3 m.p.h.	Read. 29.13	SP- 1600-1700 LT		
Set 25 °F	Char. Steady	Corr. 28.99	SG- 1000-1830 LT		
R. H. 71 %	24 hr. Mov. 36.7 mi	Sea L. 30.44	more snow melted on contact		
Ppn. Liq. .01 in.	Prev. Dir. SSW	3 hr. Tend. ↓ 1.0mb	Tur visby 6 mi		
Ppn. Sol. .1 in.	Snow Depth T in.	Observer ESP	Ranges: 29.24		
			0700	1300	1900
			Clds. 1/10 Fog	Clds.	Clds.
			Wx GF	Wx	Wx
			Vis. 2 1/2 mi	Vis.	Vis.

* TIES RECORD MIN-MAX (also 1972)

T_{WBF}: 28

T_{wet}: 25.5

T_d: 21

$\bar{T}$: 28

H_{DD}: 37

ΣH_{DD}: 581

Σ_{CDD}: 16

$\Sigma_{pcn(L)}$: 1.09"

$\Sigma_{pcn(S)}$: 3.7"

Mon. Mar. 26, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 49 °F	Dir. SW	Temp. 74	A capacenic morning
Min. 25 °F	Vel. 8 m.p.h.	Read. 29.02	
Set 33 °F	Char. Steady	Corr. 28.89	RAMOS OVRNT Lo = 28 Ramos: 43,25
R. H. 50 %	24 hr. Mov. 108.9 mi	Sea L. 30.30	
Ppn. Liq. 0 in.	Prev. Dir. WSW	3 hr. Tend. ✓ +0.8 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 9/10 Sc	Clds.	Clds.
Wx BkN	Wx	Wx
Vis. 30 mi	Vis.	Vis.

T_{roof}: 34

T_{wall}: 29

T_{δ}: 17

$\bar{T}$: 37

U_{op}: 29

ΣH_{op}: 619

ΣC_{op}: 16

$\varepsilon_{pca(L)}$: 1.09"

$\varepsilon_{pca(S)}$: 2.7"

Tues., March 27, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 44 °F	Dir. NW	Temp. 73° F	- Some haze to E & SE limits vsby
Min. 21 °F	Vel. 5 m.p.h.	Read. 29.23"	
Set 22 °F	Char. steady	Corr. 29.10"	Ramos: 42/19
R. H. 54 %	24 hr. Mov. 146.6mi.	Sea L. 30.41"	
Ppn. Liq. 0 in.	Prev. Dir. WNW	3 hr. Tend. +2mb ✓	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. CLR	Clds.	Clds.
Wx sunny	Wx	Wx
Vis. 10miles	Vis.	Vis.

$T_{roof} = 21^{\circ}F$

$T_{d_{roof}} = 7^{\circ}F$

$\bar{T} = 33^{\circ}F$

$HDD = 32$

$\Sigma HDD = 651$

$\Sigma CDD = 16$

$\Sigma PCN_e = 1.09"$

$\Sigma PCN_s = 3.7"$

Wed. Mar. 28, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 40 °F	Dir. —	Temp. 73	Patchy Gr NE-SE
Min. 20 °F	Vel. Calm m.p.h.	Read. 29.23	
Set 24 °F	Char. nearly calm (Wind E)	Corr. 29.10	Ramos Ovnt Go: 21
R. H. 48 %	24 hr. Mov. 63.6 mi	Sea L. 30.55	
Ppn. Liq. 0 in.	Prev. Dir. WNW	3 hr. Tend. ↓ +1.1 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 8/10 Ci	Clds.	Clds.
Wx -BkN	Wx	Wx
Vis. 25 mi	Vis.	Vis.

T_{roof}: 25

T_{wet}: 20.5

TD: 8

$\bar{T}$: 30

H_{20}: 35

ΣH_{20}: 686

ΣCO_0: 16

$\Sigma P_{tot}(L)$: 1.09

$\Sigma P_{tot}(S)$: 3.7

Tuesday May 29 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 53 °F	Dir. ENE	Temp. 74	• OVNT Low ~ 33°
Min. 24 °F	Vel. 3 m.p.h.	Read. 29.16	
Set 33 °F	Char. Light	Corr. 29.03	• Ramos: 52, 24
R. H. Ramos 49 %	24 hr. Mov. 51 m.	Sea L. 30.45	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +1 —	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

	0700	1300	1900
Clds.	9/10 • cirrus • Altocum	Clds.	Clds.
Wx	• Bull Sun • Pt cloudy	Wx	Wx
Vis.	20 m.	Vis.	Vis.

$T_{ref\,dems} = 33$

$T_w =$ ——

$T_d = 13$

$\bar{T} = 39$

$HDD = 26$

$\Sigma_{HDD} = 982$

$CDD = 0$

$\Sigma_{CDD} = 16$

$\Sigma_{len_L} = 1.09''$

$\Sigma_{len_c} = 3.7''$

Fri. Mar 30, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 45 °F	Dir. SE	Temp. 72	L-SG - 1640-1500 LT
Min. 33 °F	Vel. 8 m.p.h.	Read. 29.12	R - 1815-0500 LT (occl S-IP-)
Set 37 °F	Char. Steady	Corr. 28.99	L - 0400-obs
			cig ~500ft / cig rgd
			Cufra all quads
			Ramos over Lo: 35

0700	1300	1900
Clds. 10/10 St Cufra	Clds.	Clds.
Wx L-	Wx	Wx
Vis. 7 mi	Vis.	Vis.

R. H. 76 %	24 hr. Mov. 97.2 mi	Sea L. 30.40	
Ppn. .16 Liq. in.	Prev. Dir. ESE	3 hr. Tend. - 0.0 mb	
Ppn. T Sol. in.	Snow Depth 0 in.	Observer ESP	

T: 38

T_{wet}: 35

Td: 31

$\bar{T}$: 39

H_{oo}: 26

ΣH_{oo}: 938

ΣC_{oo}: 16

$\Sigma pcp(L)$: 1.25"

$\Sigma pcp(S)$: 3.7"

Sat Mar 31 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 40 °F	Dir. ESE	Temp. 73	• R- and L- essentially the entire time. (True, there were some dry periods, but you can hardly blame students not to note all of them, and the exact moments they took place.)
Min. 36 °F	Vel. 3 m.p.h.	Read. 28.74	
Set 38 °F	Char. Light	Corr. 28.61	• Ramos: 38, 35
R. H. Ramos 87 %	24 hr. Mov. 51 mi.	Sea L. 30.00	
Ppn. Liq. .12 in.	Prev. Dir. E	3 hr. Tend. ±0 —	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	

	0700	1300	1900
Clds.	Clds. 10/10 STRATUS	Clds.	Clds.
Wx	Wx • OVC • E • R- on Ridges	Wx	Wx
Vis.	Vis. 1½ mi.	Vis.	Vis.

$T_{Ref\ Range} = 36$

$T_M =$ ——

$T_d = 33$

$\bar{T} = 38$

$HDD = 27$

$\Sigma HDD = 965$

$CDD = 0$

$\Sigma CDD = 16$

$\Sigma PCN_L = 1.37''$

$\Sigma PCN_S = 3.7''$