Meteorological Observatory
University Park, Pa.

SUNDAY, APRIL 1, 1990 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 43 °F	Dir. —	Temp. 73°F	- scattered L - & RW - throughout the entire day: mostly L -
Min. 37 °F	Vel. — m.p.h.	Read. 28.77"	
Set 42 °F	Char. calm	Corr. 28.64"	
R. H. 86 %	24 hr. Mov. 26.4mi	Sea L. 29.93"	
Ppn. Liq. 0.04 in.	Prev. Dir. E	3 hr. Tend. +1/2 mb ~	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

rains overnt to: 39°F

0700	1300	1900
Clds. 10/10 status	Clds.	Clds.
Wx -DZ -F	Wx	Wx
Vis. 2 miles	Vis.	Vis.

$T_{roof} = 40°F$

$\bar{T} = 40°F$

$T_{bsy} = 43°F$

$T_w = 41°F$

$T_d = 39°F$

$HDD = 25$

$\Sigma HDD = 25$

$\Sigma CDD = 0$

$\Sigma PCN_l = 0.04''$

$\Sigma PCN_s = 0$

MONDAY, APRIL 2, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. SSW	Temp. 73°F	- fog especially noticeable along ridges - TRW 1915 - 2000 LT - LGT ICCC 1945 LT - TRW 2145 - 2215 LT no overnt low
Min. 42 °F	Vel. 2 m.p.h.	Read. 28.67"	
Set 42 °F	Char. light	Corr. 28.54"	

R. H.	24 hr. Mov.	Sea L.	0700	1300	1900
93 %	38.9 mi	29.82"	Clds. 1/10 stratus	Clds.	Clds.
Ppn. Liq. 0.18 in.	Prev. Dir. SSW	3 hr. Tend. +1/2 mb	Wx F	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	Vis. 4 miles	Vis.	Vis.

$T_{roof} = 44°F$

$T_{psy} = 45°F$

$T_w = 43°F$

$T_d = 41°F$

$\bar{T} = 46°$

$HDD = 19$

$\sum HDD = 44$

$\sum CDD = 0$

$\sum PCN_l = 0.22"$

$\sum PCN_s = 0$

TUESDAY, APRIL 3, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 59 °F	Dir. —	Temp. 73°	R 1350 - 1620 LT (cont R+)
Min. 34 °F	Vel. — m.p.h.	Read. 28.55"	TRW - 1450 - 1515 LT
Set 39 °F	Char. calm	Corr. 28.42"	RW 1800 - 1820 LT
R. H. 76 %	24 hr. Mov. 78.9 mi.	Sea L. 29.69"	some cumulus to west
Ppn. Liq. 0.44 in.	Prev. Dir. S	3 hr. Tend. ± 0 —	RAWOS 57/36
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. - 9/10 - stratus	Clds.	Clds.
Wx H (to E)	Wx	Wx
Vis. 7 miles	Vis.	Vis.

$T_{roof} = 38°F$

$\bar{T} = 47°F$

$T_{psy} = 40°F$

$T_w = 37°F$

$T_d = 33°F$

$HDD = 18$

$\Sigma HDD = 62$

$\Sigma CDD = 0$

$\Sigma PCN_l = 0.66"$

$\Sigma PCN_s = 0$

WED., APRIL 4, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 46 °F	Dir. W	Temp. 72°F	• SG TRACE 1855LT • S- began 2000LT (ocnl S--) • Snow melted upon contact with ground • Snow depth 1-2" at higher elevations • ranges 44/31
Min. 33 °F	Vel. 10 m.p.h.	Read. 28.26"	
Set 33 °F	Char. gusty	Corr. 28.14"	
R. H. 85 %	24 hr. Mov. 196.4 mi.	Sea L. 29.41"	
Ppn. Liq. 0.05 in.	Prev. Dir. W	3 hr. Tend. -1mb \	
Ppn. Sol. E.15 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. X	Clds.	Clds.
Wx S-	Wx	Wx
Vis. 1½ mi.	Vis.	Vis.

$T_{roof} = 31°F$

$T_{dew-pt} = 27°F$

$\bar{T} = 40°F$

$HDD = 25$

$\Sigma HDD = 87$

$\Sigma CDD = 0$

$\Sigma PCN_R = 0.71"$

$\Sigma PCN_S = 0.5"$

Thurs. April 5 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 41 °F	Dir. W	Temp. 74	• S- 0800-0930 LT • 2045 LT • S 0930-1200 LT • S- 1200-1600 LT • TRACE Liq. 0830 LT • TRACE Snow 0730 LT • Ranges: 43, 31
Min. 32 °F	Vel. 12-20 m.p.h.	Read. 28.36	6 hrs to 48 mph estimated * Did not Accumulate Except briefly on Trees
Set 38 °F	Char. variable	Corr. 28.23	
R. H. Ranges 54 %	24 hr. Mov. 262 mi.	Sea L. 29.60	
Ppn. Liq. .30 in.	Prev. Dir. W	3 hr. Tend. +4	
Ppn. Sol. E 3.0* in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. 9/10 Stratocum	Clds.	Clds.
Wx • Mcloudy • Windy	Wx	Wx
Vis. 35 mi.	Vis.	Vis.

$T_{Roof\ Rafters} = 37$

$T_w = \_\_\_\_$

$T_d = 20$

$\overline{T} = 37$

$HDD = 28$

$\Sigma_{HDD} = 115$

$CDD = 0$

$\Sigma_{CDD} = 0$

$\Sigma_{Pen_L} = 1.01''$

$\Sigma_{Pen_S} = 3.5''$

RATING CURRENT CO
$= 37$

Fri. Apr. 6, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	
Max.	52 °F	Dir.	W	Temp.	72
Min.	33 °F	Vel.	6 m.p.h.	Read.	28.79
Set	34 °F	Char.	Steady	Corr.	28.65
R. H.	59 %	24 hr. Mov.	202.8 mi	Sea L.	30.07
Ppn. Liq.	.07 in.	Prev. Dir.	WSW	3 hr. Tend.	✓ +2.0 mb
Ppn. Sol.	0 in.	Snow Depth	0 in.	Observer	ESP

General Obs.

RW- 1930-2015 LT (local RW)
Fropa [Pressjump 3mb in 10 minutes
Gust to 48 mph — 1945 LT
Few gusts to 45 - 1915-2015 LT
RW- 2300-0000 LT
[illegible] CO: 32

	0700	1300	1900
Clds.	7/10 Ci Cc AS		
Wx	-BKN		
Vis.	30 mi		

T_{roof}: 36

T_{wr}: 31

T_d: 23

$\bar{T}$: 43

H_{ag}: 22

ΣH_{ag}: 137

$\varepsilon_{pca}(v)$: 1.08"

$\varepsilon_{pca}(s)$: 3.5"

Sat. April 7 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 41 °F	Dir. NNE	Temp. 72°	• SW-b began Sometime Between 0030 and 0300. ended ~0545
Min. 29 °F	Vel. 5 m.p.h.	Read. 28.79	• SW- 0700 LT through 0745
Set 29 °F	Char. Steady	Corr. 28.66	• SW 0745 through 0845.
R. H. Remote 87 %	24 hr. Mov. 57 mi.	Sea L. 30.08	• Ramos: 41, 27
Ppn. Liq. .12 in.	Prev. Dir. W	3 hr. Tend. +2 /	
Ppn. Sol. 1.2 (18) in.	Snow Depth 1 in.	Observer JCK	

0700	1300	1900
Clds. X	Clds.	Clds.
Wx • SW	Wx	Wx
Vis. 1/4 mi.	Vis.	Vis.

$T_{MN/MAX} = 28$

$T_w =$ ——

$T_d = 24$

$\bar{T} = 35$

$HDD = 30$

$\Sigma HDD = 167$

$CDD = 0$

$\Sigma CDD = 0$

$\Sigma PCN_L = 1.20"$

$\Sigma PCN_S = 4.7"$

Sun. Apr. 8, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 40 °F	Dir. SW	Temp. 72	S-E ~ 0920 LT (occnl S)
Min. 26 °F	Vel. 6 m.p.h.	Read. 29.04	SW ~1700-1730 LT
Set 30 °F	Char. Steady	Corr. 28.91	SW- ~1845-1900 LT
R. H. 47 %	24 hr. Mov. 139.4 mi	Sea L. 30.35	~1920-1920 LT
Ppn. Liq. .02 in.	Prev. Dir. W	3 hr. Tend. / +2.0 mb	Ptchs GF E
Ppn. Sol. .2 in.	Snow Depth 0 in.	Observer ESP	Rain began 0: 26

0700	1300	1900
Clds. 2/10 St	Clds.	Clds.
Wx SCT	Wx	Wx
Vis. 25 mi	Vis.	Vis.

T_{roof}: 35

T_{wet}: 29

T_d: 17

$\bar{T}$: 33

$\#_{Hrs}$: 32

Σ_{Hrs}: 199

Σ_{Obs}: 0

$\Sigma_{pcp(L)}$: 1.22"

$\Sigma_{pcp(S)}$: 4.9"

Monday, April 9, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. SSE	Temp. 72°F	• some ground fog along foot of ridges • otherwise, rather quiet
Min. 27 °F	Vel. 2 m.p.h.	Read. 29.24"	
Set 30 °F	Char. very light	Corr. 29.11"	- RAMOS 46/29
R. H. 56 %	24 hr. Mov. 109.2mi	Sea L. 30.42"	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +1½ mb /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. CLR	Clds.	Clds.
Wx light fog/haze	Wx	Wx
Vis. 10 miles	Vis.	Vis.

$T_{roof} = 32°F$

$T_{d_{mean}} = 18°F$

$HDD = 28$

$\Sigma HDD = 227$

$\Sigma CDD = 0$

$\bar{T} = 37°F$

$\Sigma PCN_l = 1.22"$

$\Sigma PCN_s = 4.9"$

TUESDAY, APRIL 10, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 65 °F	Dir. SSW	Temp. 74 °F	- some haze limits vsby to E
Min. 30 °F	Vel. 8 m.p.h.	Read. 28.87"	
Set 51 °F	Char. steady	Corr. 28.74"	- ramos 61/50 (time of ob)
R. H. ramos 37 %	24 hr. Mov. 194.5 mi	Sea L. 30.03"	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. -1mb ^	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

	0700	1300	1900
Clds.	OVC	Clds.	Clds.
Wx	- stratus - some NS	Wx	Wx
Vis.	10 miles	Vis.	Vis.

$T_{roof} = 50°F$

$T_{psy} = 54°F$

$T_w = 44°F$

$\bar{T} = 48°F$

$T_a = 46°F$

$T_{d_{frames}} = 25°F$

$T_{d_{unw}} = 28°F$

$HDD = 17$

$\sum HDD = 244$

$\sum CDD = 0$

$\sum PCN_I = 1.22"$

$\sum PCN_S = 4.9"$

WEDNESDAY, APRIL 11, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 57 °F	Dir. W	Temp. 74°F	•R- 1300 - 1530 LT •R- 1900 - 2230 LT (ocnl R) •R+ ~ 2330 • FROPA 2339 LT •PK WND 34 2340 LT • ig OCCURED AT TIME OF OB
Min. 40 °F	Vel. 16 m.p.h.	Read. 28.60"	
Set 40 °F	Char. occasionally gusty	Corr. 28.47"	
R. H. 78 %	24 hr. Mov. 205.3mi.	Sea L. 29.75"	
Ppn. Liq. 0.37 in.	Prev. Dir. SW	3 hr. Tend. +2mb /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. OVC	Clds.	Clds.
Wx -nimbostratus -ocnl L-	Wx	Wx
Vis. 7 miles	Vis.	Vis.

$T_{roof} = 38°F$

$T_{d\,roof} = 32°F$

$\bar{T} = 49°F$

$T_{d\,min} = 33°F$

$HDD = 16$

$\sum HDD = 260$

$\sum CDD = 0$

$\sum PCN_l = 1.59"$

$\sum PCN_s = 4.9"$

- RAMOS 55/38
- LOW AT TIME OF OB

Thurs. April 12 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 46 °F	Dir. NNW	Temp. 73°	* Trace of Liquid + solid Right after obs yesterday
Min. 30 °F	Vel. 6 m.p.h.	Read. 28.81	* 5- Began before 0300 LT ended ~ 0600 LT
Set 30 °F	Char. Steady	Corr. 28.68	
R. H. Range 61 %	24 hr. Mov. 106 mi.	Sea L. 30.09	
Ppn. T Liq. in.	Prev. Dir. WNW	3 hr. Tend. +2½ /	
Ppn. .1 Sol. in.	Snow Depth T in.	Observer JaK	

0700	1300	1900
Clds. 9/10	Clds.	Clds.
Wx *CLEAR *BLOWSN	Wx	Wx
Vis. 30 mi.	Vis.	Vis.

$T_{Roof\,Rafters} = 30$ $\quad \overline{T} = 38$ $\quad \Sigma D_{CN_L} = 1.59''$

$T_W = \_\_\_\_$ $\quad NDD = 27$ $\quad \Sigma D_{CN_S} = 5.0''$

$T_d = 16$ $\quad \Sigma_{NDD} = 297$

$CDD = 0$

$\Sigma_{CDD} = 0$

Fri. Apr. 13, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 39 °F	Dir. S	Temp. 73	Sw- 1515 - 1545 LT 1600 - 1615 LT B[illegible] Range Over Lo: 25 (0430 LT)		
Min. 25 °F	Vel. 3 m.p.h.	Read. 29.23			
Set 30 °F	Char. [illegible]	Corr. 29.10	0700	1300	1900
R. H. 75 %	24 hr. Mov. 1250	Sea L. 30.54	Clds. 10/10 Sc	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. / +1.7 mb	Wx OVC	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ESP	Vis. 20 mi	Vis.	Vis.

T_{roof} : 32

T_{wet} : 29.5

T_a : 25

$\bar{T}$: 32

H_{DD} : 33

ΣH_{DD} : 320

$\delta_{pcm(c)}$: 1.54°

$\varepsilon_{pcm(g)}$: 5.0°

Sat. April 14 1990 | 0700 EST | Meteorological Observatory University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 50 °F	Dir. SSW	Temp. 74°	· Ovnt low ~ 37°		
Min. 30 °F	Vel. 2 m.p.h.	Read. 28.97			
Set 40 °F	Char. Very Light	Corr. 28.84	· Ranges: 47, 28		
			0700	1300	1900
R. H. Ranges 61 %	24 hr. Mov. 74 mi.	Sea L. 30.23	Clds. 10/ · cirrus /10 altocum	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. ±0 ——	Wx · ovcst (bright ☀)	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JcK	Vis. 17 mi.	Vis.	Vis.

$T_{\text{[illegible]}} = 39$

$T_w = $ —

$Td = 25$

$\overline{T} = 40$

$HDD = 25$

$\sum HDD = 345$

$CDD = 0$

$\sum CDD = 0$

$\sum PCN_L = 1.59''$

$\sum PCN_S = 5.0''$

Sun. Apr. 15, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 58 °F	Dir. W	Temp. 74	R- 1700 - 0330 LT
Min. 40 °F	Vel. 5 m.p.h.	Read. 28.88	Cu/Sc ok quads
Set 45 °F	Char. Steady	Corr. 28.75	(Psychometer humidity readings seem low)
R. H. 54? %	24 hr. Mov. 97.8	Sea L. 30.12	Rgmgs ovnt to: 44
Ppn. Liq. .18 in.	Prev. Dir. S	3 hr. Tend. — +00mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	

	0700	1300	1900
Clds.	Clds. 9/10 Sc w/Cu Pos	Clds.	Clds.
Wx	Wx Fog	Wx	Wx
Vis.	Vis. 4mi	Vis.	Vis.

Tmed: 48
Tmer: 41
Td: 32

$\bar{T}$: 49

Hav: 16

Σ Hav: 361

Σ pcn(c): 1.77"

Σ pca(s): 5.0"

MONDAY, APRIL 16, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 59 °F	Dir. —	Temp. 74 °F	• RAIN'S OVNT LO: 40°F (0400LT) • NOTICEABLE DIFFERENCE IN MIN T BETWEEN SHELTER & ROOF • FEW STRATOCUMULUS TO SOUTH • AN - PROBABLY OVNT
Min. 36 °F	Vel. — m.p.h.	Read. 28.85"	
Set 43 °F	Char. calm	Corr. 28.72"	
R. H. 66 %	24 hr. Mov. 121.6mi	Sea L. 30.01"	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +2mb /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

	0700	1300	1900
Clds.	1/10		
Wx	Fog		
Vis.	3 miles		

$T_{roof} = 44°F$

$T_{d_{roof}} = 33°F$

$\bar{T} = 48°F$

$\sum CDD = 0$

$HDD = 17$

$\sum HDD = 378$

$\sum PCN_l = 1.77"$

$\sum PCN_s = 5.0"$

Tue. Apr 17, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 65 °F	Dir. SW	Temp. 72° F	Ob Dlad RW-- 0700 - 0900 LT Pcpn Very Lgt at Obs
Min. 43 °F	Vel. 20 m.p.h.	Read. 28.62	
Set 55 °F	Char. Gusts to 28	Corr. 28.49	Rainf Durnk to: 52°F (08Z)
R. H. 54 %	24 hr. Mov. 128.8 mi.	Sea L. 29.77	
Ppn. T Liq. in.	Prev. Dir. S	3 hr. Tend. +1mb ✓	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

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

$T_{roof} = 53^{\circ}F$

$\bar{T} = 54^{\circ}F$

HDD = 11

$\sum HDD = 389$

$\sum CDD = 0$

$\sum PCN_2 = 1.77"$

$\sum PCN_3 = 5.0"$

WEDNESDAY, APRIL 18, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 55 °F	Dir. W	Temp. 73°F	• FRONT 0955 LT • RW - 1000 - 1045 LT • RW-SW - IPW - 1200 - 1300 LT		
Min. 29 °F	Vel. 10 m.p.h.	Read. 29.20"			
Set 31 °F	Char. Steady	Corr. 29.07"	• RAOB 54/28		
R. H. 61 %	24 hr. Mov. 201.2 mi.	Sea L. 30.38"	0700 Clds. 1/10	1300 Clds.	1900 Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +3mb /	Wx • Cu E, W, S • Cl N	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MSS	Vis. 15 miles	Vis.	Vis.

$T_{roof} = 30°F$

$T_{d_{roof}} = 18°F$

$\bar{T} = 42°F$

$HDD = 23$

$\sum HDD = 412$

$\sum CDD = 0$

$\sum PCN_l = 1.77"$

$\sum PCN_s = 5.0"$

Thurs. April 19 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 50 °F	Dir. ——	Temp. 76°
Min. 29 °F	Vel. 0 m.p.h.	Read. 29.32
Set 34 °F	Char. Calm	Corr. 29.18
R. H. Ramos 56 %	24 hr. Mov. 95 mi.	Sea L. 30.60
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +2 ⅃
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK

General Obs.

• Yesterday was gorgeous except for what some would consider a slightly too chilly breeze. Hardly an afternoon cloud.

Ramos: 49, 30

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx • Clear • Sunny	Wx	Wx
Vis. 40 mi.	Vis.	Vis.

$T_{Proj\,Ramos} = 34$ $\quad \overline{T} = 40$ $\quad \Sigma_{PCN_L} = 1.77''$

$T_w =$ ——— $\quad HDD = 25$ $\quad \Sigma_{PCN_S} = 5.0''$

$T_d = 18$ $\quad \Sigma_{1+DD} = 437$

$CDD = 0$

$\Sigma_{-DD} = 0$

Fri. Apr. 20, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 64 °F	Dir. SW	Temp. 75	RWU W ~20mi virga SW-NW in patchs Thn spts invc E
Min. 34 °F	Vel. 6 m.p.h.	Read. 29.21	
Set 50 °F	Char. Steady	Corr. 29.07	Rmks over 40: 48
R. H. 41 %	24 hr. Mov. 168.8 mi	Sea L. 30.45	
Ppn. 0 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. 10/10 As Ns	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 30 mi	Vis.	Vis.

r_{root} : 52

r_{et} : 42

r_d : 29

$\bar{r}$: 49

H_{d_0} : 16

$\varepsilon(H_{d_0})$: 453

$\varepsilon(d_0)$: 0

$\varepsilon_{pcn(L)}$: 1.77

$\varepsilon_{pcn(S)}$: 5.0

Sat. April 21 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 60 °F	Dir. SSW	Temp. 76
Min. 50 °F	Vel. 4 m.p.h.	Read. 28.75
Set 53 °F	Char. Steady	Corr. 28.61
R. H. 93 %	24 hr. Mov. 123 mi.	Sea L. 29.75
Ppn. Liq. .48 in.	Prev. Dir. S	3 hr. Tend. ±0 ∨
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK

General Obs.

• MT. NIT AND Ridges obscured by low clouds/fog except the very tops.

• R- 2300 LT – 0600 LT (RW+ C.0230 LT)

• EST. OVNT LO ~ 51.

• RAMOS: 58, 49 10:52

	0700	1300	1900
Clds.	10/10 [illegible]		
Wx	• OVCST • LT FOG		
Vis.	5 mi. E 2½ mi. W		

$T_{roof} = 54$ $\quad \bar{T} = 55$ $\quad \Sigma P_{eN_L} = 2.25"$

$T_w = 53$ $\quad HDD = 10$ $\quad \Sigma P_{eN_S} = 5.0"$

$T_d = 52$ $\quad \Sigma HDD = 463$

$CDD = 0$

$\Sigma CDD =$

Sun. Apr. 22, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 64 °F	Dir. —	Temp. 76	RW -- ~1208LT
Min. 34 °F	Vel. Calm m.p.h.	Read. 29.01	
Set 38 °F	Char. Calm	Corr. 28.87	Ground Temp Lo: 37
R. H. 73 %	24 hr. Mov. 32.1 mi	Sea L. 30.27	
Ppn. T Liq. in.	Prev. Dir. NE	3 hr. Tend. ↓ +1.5mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

	0700	1300	1900
Clds.	Clds. 1/10 Fog	Clds.	Clds.
Wx	Wx Fog	Wx	Wx
Vis.	Vis. 2 1/4 mi	Vis.	Vis.

T_{root}: 45

T_{wet}: 41

T_d: 37

$\bar{T}$: 49

H_{oo}: 16

ΣH_{oo}: 479

ΣC_{oo}: 0

$\Sigma pcn(L)$: 2.35"

$\Sigma pcn(S)$: 5.10"

Monday, April 23, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 73 °F	Dir. —	Temp. 77°F	- A few contrails, otherwise a perfect morning
Min. 38 °F	Vel. — m.p.h.	Read. 28.95"	- Vsby ~5 mi to SW due to fog
Set 49 °F	Char. calm	Corr. 28.81"	ramos ovrnt lo = 46°F (11Z)

	0700	1300	1900
R. H. 50 %	Clds. CLR	Clds.	Clds.
Ppn. 0 Liq. in.	Wx • light fog & haze	Wx	Wx
Ppn. 0 Sol. in.	Vis. 10 miles	Vis.	Vis.

24 hr. Mov.	Sea L.	3 hr. Tend.	Prev. Dir.	Snow Depth	Observer
65.6 mi.	30.10"	+2mb ✓	W	0 in.	MSS

$T_{roof} = 52°F$

$T_d = 34°F$

$\bar{T} = 56°F$

$HDD = 49$

$\Sigma HDD = 493$

$\Sigma CDD = 0$

$\Sigma PCN_l = 2.25"$

$\Sigma PCN_s = 5.0"$

TUESDAY, APRIL 24, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 81 °F	Dir. —	Temp. 79 °F	• few cirrus and lots of contrails
Min. 46 °F	Vel. — m.p.h.	Read. 28.97"	
Set 51 °F	Char. Calm	Corr. 28.82"	ramos: 80/49
R. H. 54 %	24 hr. Mov. 24.3 mi.	Sea L. 30.11"	
Ppn. 0 in. Liq.	Prev. Dir. SSW	3 hr. Tend. +1mb /	
Ppn. 0 in. Sol.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. CLR	Clds.	Clds.
Wx - light haze	Wx	Wx
Vis. 15 miles	Vis.	Vis.

$T_{roof} = 53^{\circ F}$

$T_{d_{roof}} = 37^{\circ F}$

$\bar{T} = 64^{\circ F}$

$HDD = 1$

$\Sigma HDD = 494$

$\Sigma CDD = 0$

$\Sigma PCN_8 = 2.25''$

$\Sigma PCN_5 = 5.0''$

WED., APRIL 25, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 83 °F	Dir. SW	Temp. 78 °F	• K observed from forest fire ~20 mi W of SCE @ ~1800-2000 LT • vsby to E ~3 miles • CB to NW RAMS OUT LO = 55
Min. 51 °F	Vel. 4 m.p.h.	Read. 28.93"	
Set 58 °F	Char. light	Corr. 28.79"	
R. H. 57 %	24 hr. Mov. 65.4 mi.	Sea L. 30.08"	
Ppn. 0 Liq. in.	Prev. Dir. SW	3 hr. Tend. +½ mb /	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. 8/10	Clds.	Clds.
Wx • FH to E • CI & CU	Wx	Wx
Vis. 7 miles	Vis.	Vis.

$T_{roof} = 59°F$

$T_{d\,roof} = 44°F$

$\bar{T} = 67°F$

HDD = 0 CDD = 2

$\Sigma HDD = 494$ $\Sigma CDD = 2$

$\Sigma PCN_l = 2.25"$

$\Sigma PCN_s = 5.0"$

• ramos 81/55

Thurs. April 26 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 85 °F	Dir. WSW	Temp. 80°	*RW- 0945 - 1200 LT * est. cvnt low ~ 64
Min. 58 °F	Vel. 3 m.p.h.	Read. 28.79	
Set 69 °F	Char. Steady	Corr. 28.64	*Ranges: 34, 59 cvnt to 64
R. H. 62 %	24 hr. Mov. 93 mi.	Sea L. 29.93	
Ppn. Liq. .02 in.	Prev. Dir. W	3 hr. Tend. +1	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JcK	

0700	1300	1900
Clds. 0/10 few Clouds	Clds.	Clds.
Wx * Steady * Haze	Wx	Wx
Vis. 15 mi.	Vis.	Vis.

$T_{Avg} = 71$ $\quad \bar{T} = 72$ $\quad \Sigma RAIN_L = 2.27"$

$T_w = 62$ $\quad HDD = 0$ $\quad \Sigma RAIN_S = 5.0"$

$T_d = 57$ $\quad \Sigma HDD = 494$

$CDD = 7$

$\Sigma CDD = 9$

Fri. Apr. 27, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 89 * °F	Dir. —	Temp. 80	Rain ~1400 LT T ~1435-1445 LT 1530-1540 LT Light F 1900-2200 LT * tied Record hi (Also in 1945) K lyr ME Records over 50: 58
Min. 55 °F	Vel. Calm m.p.h.	Read. 28.90	
Set 60 °F	Char. Calm	Corr. 28.75	
R. H. 65 %	24 hr. Mov. 59.7	Sea L. 30.08	
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. +1.3mb /	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

	0700	1300	1900
Clds.	Clds. 3/10 Fog Haze	Clds.	Clds.
Wx	Wx FH	Wx	Wx
Vis.	Vis. 5mi	Vis.	Vis.

T_{roof}: 65

T_w: 58

T_0: 53

$\bar{T}$: 72

H_{as}: 0

ξH_{as}: 494

c_{as}: 7

ξc_{as}: 16

$\xi_{pen}(4)$: 2.27"

$\xi_{pen}(s)$: 5.0"

SAT. APRIL 28, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 90* °F	Dir. —	Temp. 78	REC. MAX T FOR DATE (FORMER REC = 88, 1962) FEW CU OVER RIDGES
Min. 59 °F	Vel. 0 m.p.h.	Read. 28.67	
Set 63 °F	Char. CALM	Corr. 28.53	
R. H. 59 %	24 hr. Mov. 51.4 mi.	Sea L. 29.84	
Ppn. 0 in. Liq.	Prev. Dir. S	3 hr. Tend. +0.5mb/	
Ppn. 0 in. Sol.	Snow Depth 0 in.	Observer JHM	

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx HAZY	Wx	Wx
Vis. 5 V 10	Vis.	Vis.

$T_{d\,UNV} = 52$

$T_{roof} = 68$ $T_W = 59$ $T_{d\,roof} = 53$

$\bar{T} = 75$

$C_{DD} = 10$

$\Sigma_{CDD} = 26$ $\Sigma_{HDD} = 494$

$\Sigma_{PCN(L)} = 2.27''$

$\Sigma_{PCN(S)} = 5.0''$

Sun. Apr. 29, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. * 88 °F	Dir. —	Temp. 80
Min. 63 °F	Vel. Calm m.p.h.	Read. 28.78
Set 68 °F	Char. Calm	Corr. 28.65
R. H. 69 %	24 hr. Mov. NA	Sea L. 29.96
Ppn. Liq. 0 in.	Prev. Dir. NA**	3 hr. Tend. / +1.5 mb
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP

General Obs.

* 3rd consecutive record hi.
(prev. record 86 in 1956)
1 degree shy of max/min record.
Thn spots inmc, H2

Rang Gust Lg: NA

	0700	1300	1900
Clds.	10/10 Haze & Ac		
Wx	Haze		
Vis.	5 mi		

Tmot : 69.5

TW : 60

TN : 54

$\bar{T}$: 76

Cdd: 11

Σcdd: 37

Σhdd: 494

Σpcn (c): 2.27"

Σpcn(s): 5.0"

** MANY GUSTS TO 35 mph during AFTERNOON, 28th

PREV. DIR = S

MONDAY, APRIL 30, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 71 °F	Dir. E	Temp. 74°F	• RW - 1230-1530 LT (ocnl RW)
Min. 53 °F	Vel. 6 m.p.h.	Read. 28.81"	• THUNDER HEARD ~ 1330 LT
Set 53 °F	Char. varying intensities	Corr. 28.68"	• L - began ~ 0730 LT
R. H. 87 %	24 hr. Mov. 69.9 mi	Sea L. 29.97"	• GAUGE EMPTIED @ 2010 LT : 0.21"
Ppn. Liq. 0.24 in.	Prev. Dir. E	3 hr. Tend. +1mb ⌣	• RW - CURRENT ≈ 0200-0400 LT
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. OVC	Clds.	Clds.
Wx L-F	Wx	Wx
Vis. 2½ miles	Vis.	Vis.

$T_{roof} = 52°F$

$T_{d_{roof}} = 48°F$

$T_{wall} = 52°F$

$T_{d_{wall}} = 48°F$

$\bar{T} = 62°F$

HDD = 3 COD = 0

$\Sigma HDD = 497$ $\Sigma COD = 37$

$\Sigma DCN_l = 2.51"$

$\Sigma DCN_s = 5.0"$