Meteorological
University Park, Pa.

TUE., MAY 1, 1990 — 0700 EST — General Obs.

Temp.	Wind	Barom.
Max. 59 °F	Dir. SSE	Temp. 75°F
Min. 44 °F	Vel. 5 m.p.h.	Read. 28.78"
Set 49 °F	Char. light	Corr. 28.65"
R. H. 89 %	24 hr. Mov. 25.4mi.	Sea L. 29.94"
Ppn. Liq. 0.01 in.	Prev. Dir. E	3 hr. Tend. +1mb ~
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS

- L - ended 1000 LT
- few stratocumulus visible

0700	1300	1900
Clds. — X	Clds.	Clds.
Wx Fog	Wx	Wx
Vis. 2 miles	Vis.	Vis.

$T_{d_{roof}} = 45°F$

$T_{uuv} = 48°F$

$T_{d_{uuv}} = 46°F$

$\bar{T} = 52°F$

HDD = 13

$\Sigma HDD = 13$ $\quad \Sigma CDD = 0$

$\Sigma PCN_L = 0.01"$

$\Sigma PCN_S = 0$

WEDNESDAY, MAY 2, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 67 °F	Dir. NNE	Temp. 76 °F
Min. 47 °F	Vel. 5 m.p.h.	Read. 29.00"
Set 48 °F	Char. steady	Corr. 28.86"
R. H. 48 %	24 hr. Mov. 113.6 mi.	Sea L. 30.15"
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. +3½mb /
Ppn. — Sol. in.	Snow Depth — in.	Observer MSS

General Obs.

- Trace precip occurred @ ~1430LT ~1900LT
- some clearing to N

0700	1300	1900
Clds. 9/10	Clds.	Clds.
Wx - few CI N - stratocum - nimbostrat	Wx	Wx
Vis. 12 miles	Vis.	Vis.

$T_{roof} = 47°F$

$T_{d_{roof}} = 28°F$

$T_{conv} = 47°F$

$T_{d_{conv}} = 29°F$

$\bar{T} = 57°F$

HDD = 8

$\Sigma HDD = 21$

$\Sigma CDD = 0$

$\Sigma PCN_l = 0.01"$

$\Sigma PCN_s = 0$

THURS MAY 3, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 59 °F	Dir. ENE	Temp. 75
Min. 40 °F	Vel. 5 m.p.h.	Read. 29.22
Set 45 °F	Char. STDY	Corr. 29.08
R. H. 46 %	24 hr. Mov. 64.6 mi.	Sea L. 30.45
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +2.0mbr
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM

General Obs.

OVC = ALTOCU BINOVC NNE

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

$T_{roof} = 47$ $T_w = 39$ $T_d = 27.5$

$T_{d\ remote} = 25$

$T_{d\ new} = 29$

$\overline{T} = 50$

$H_{DD} = 15$

$\Sigma_{HDD} = 36$

$\Sigma_{CDD} = 0$

$\Sigma_{PCN} = .01"$

Fri. May 4, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 60 °F		Dir. E	Temp. 76	L- 1700-2030 LT, 0700-Obs R- 1700-0700 LT Wshft (Aprnt Fropa ~2130 LT Pcpn was Lgt at obs. F8 / Cufra Radon Ovar Co: 45		
Min. 45 °F		Vel. 5 m.p.h.	Read. 29.08			
Set 46 °F		Char. Going to 14	Corr. 28.84	**0700**	**1300**	**1900**
R. H. 86 %		24 hr. Mov. 65.4 mi	Sea L. 30.22	Clds. 10/10 Fog Ns	Clds.	Clds.
Ppn. .26 in.	Liq.	Prev. Dir. SSW→E	3 hr. Tend. -03 mb	Wx L-F	Wx	Wx
Ppn. — in.	Sol.	Snow Depth — in.	Observer ESP	Vis. 1 mi	Vis.	Vis.

T_{roof}: 47

T_{wall}: 45

Td: 43

$\bar{T}$: 53

H_{DD}: 12

$\$H_{DD}$: 48

$\$_{cold}$: 0

$\varepsilon_{pen}(L)$: .27"

Sat. May 5 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 52 °F	Dir. WSW	Temp. 75°
Min. 46 °F	Vel. 6 m.p.h.	Read. 28.44
Set 52 °F	Char. Steady	Corr. 28.31
R. H. 83 %	24 hr. Mov. 70 mi.	Sea L. 29.63
Ppn. Liq. .90 in.	Prev. Dir. SSE	3 hr. Tend. ± 0 —
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK

General Obs.

- L- ended 0900 LT
- R- 1230-1800 LT
- L- 1800-1930 LT
- R- 1930-
- RW+ 2215-2300
- [illegible] ovnt lo 48
- Ranges: 41, 55 lo: 48

LTG (ICCGCC) ~2315 LT

TRW ~2330 LT

(OCNL R THRU DAY)

0700	1300	1900
Clds. 10/10 [illegible]	Clds.	Clds.
Wx [illegible]	Wx	Wx
Vis. 15 mi.	Vis.	Vis.

$T_{avg} = 54$

$T_w = 51$

$T_d = 49$

$\overline{T} = 49$

HDD = 16

$\Sigma_{HDD} = 64$

CDD = 0

$\Sigma_{CDD} = 0$

$\Sigma_{PCN_2} = 1.17''$

$\Sigma_{PCN_3} = 0$

SUN. MAY 6, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 64 °F	Dir. WSW	Temp. 72	FEW CU OVER RIDGES RW- C. 1800-1900 LT, 5th
Min. 39 °F	Vel. 8 m.p.h.	Read. 28.66	
Set 45 °F	Char. STDY	Corr. 28.53	

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx HAZY	Wx	Wx
Vis. 4 V 8 mi.	Vis.	Vis.

R. H. 77 %	24 hr. Mov. 119.7 mi.	Sea L. 29.89	
Ppn. .01 in. Liq.	Prev. Dir. W	3 hr. Tend. +1.5mb/	
Ppn. 0 in. Sol.	Snow Depth 0 in.	Observer JHM	

$T_{roof} = 46$ $T_w = 43$ $T_d = 39$

$T_{d\,max} = 37$

$T_{d\,min} = 37$

$\bar{T} = 52$

$H_{DD} = 13$

$\Sigma H_{DD} = 77$

$\Sigma C_{DD} = 0$

$\Sigma P_{LN} = 1.18''$

MON. MAY 7, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 60 °F	Dir. WSW	Temp. 72	VRY THIN Ci ALQDS STRATOCU NW RW - 1330-1345 LT 1415-1430 LT 1605-1620 LT (occas. RW) PK WIND = 65 MPH @ 1553 LT WINDSHIFT, PRESSMP
Min. 38 °F	Vel. 8 m.p.h.	Read. 28.78	
Set 45 °F	Char. GUSTS TO 18 MPH	Corr. 28.65	
R. H. 59 %	24 hr. Mov. 102 mi.	Sea L. 30.01	
Ppn. Liq. .01 in.	Prev. Dir. WSW	3 hr. Tend. +1.0mb F	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

0700	1300	1900
Clds. 6/10	Clds.	Clds.
Wx SUNNY	Wx	Wx
Vis. 25 mi.	Vis.	Vis.

$T_{roof} = 47$ $T_w = 42$ $T_d = 33.5$

$T_{dromus} = 33$

$T_{d\,unv} = 34$

$\bar{T} = 49$

$H_{DD} = 16$

$\Sigma_{HDD} = 93$

$\Sigma_{CDD} = 0$

$\Sigma_{PCN} = 1.19''$

Tues. May 8 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 68 °F	Dir. SSW	Temp. 76°
Min. 45 °F	Vel. 9 m.p.h.	Read. 28.86
Set 59 °F	Char. Steady	Corr. 28.72
R. H. 62 %	24 hr. Mov. 195 mi.	Sea L. 30.05
Ppn. Liq. 0 in.	Prev. Dir. WSW	3 hr. Tend. +1 /
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK

General Obs.

• Est. ovnt low ~54

• Records: 67 44 ovnt low: 54

	0700	1300	1900
Clds.	0/10		
Wx	• Sunny • Lt Haze		
Vis.	15 mi.		

$T_{max} = 60$ $\quad \bar{T} = 57$ $\quad \Sigma P_{RAIN_L} = 1.19''$

$T_{min} = 53$ $\quad n_{obs} = 8$ $\quad \Sigma P_{RAIN_S} = 0''$

$T_L = 47$ $\quad \Sigma_{n_{obs}} = 101$

$c_{DH} = 0$

$\Sigma_{c_{DD}} = 0$

WED., MAY 9, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 79 °F	Dir. W	Temp. 77°F
Min. 54 °F	Vel. 2 m.p.h.	Read. 28.88"
Set 59 °F	Char. very light	Corr. 28.74"
R. H. 53 %	24 hr. Mov. 123.3 mi.	Sea L. 30.03"
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. + 1½ mb ⁄
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS

General Obs.

- sun dimly visible
- some valley fog E

[illegible] ovrnt lo : 57

	0700	1300	1900
Clds.	10/10		
Wx	stratus		
Vis.	12 miles		

$T_{roof} = 60°F$

$T_{d_{roof}} = 43°F$

$T_{conv} = 60°F$

$T_{d_{conv}} = 45°F$

$\bar{T} = 67°F$

HDD = 0 CDD = 2

$\Sigma HDD = 101$ $\Sigma CDD = 2$

$\Sigma PCN_L = 1.19"$

$\Sigma PCN_S = 0$

Thurs. May 10 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 76 °F	Dir. S	Temp. 74°	• R-- 0330 (on ground) - 0730 • RW 0730 - 0740 (end at) • R-- 0740 then obs.
Min. 58 °F	Vel. 6-12 m.p.h.	Read. 28.43	
Set 59 °F	Char. Variable	Corr. 28.30	• Ramos 75, 56

0700	1300	1900
Clds. 10/ Stratocumulus 10 (Ramos bottom)	Clds.	Clds.
Wx • overcast • R-	Wx	Wx
Vis. 4 mi.	Vis.	Vis.

R. H. Ramos	24 hr. Mov.	Sea L.	Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Ppn. Sol.	Snow Depth	Observer
90 %	132 mi.	29.61	.12" in.	S	-3 \	0 in.	0 in.	JLK

$T_{Raw/Ranges} = 58$ $\quad \overline{T} = 67$ $\quad \sum Pcn_{L} = 1.31''$

$T_{w} = $ —— $\quad HDD = 0$ $\quad \sum Pcn_{S} = 0$

$T_{d} = 55$ $\quad \sum HDD = 101$

$CDD = 2$

$\sum CDD = 4$

FRIDAY, MAY 11, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 66 °F	Dir. WSW	Temp. 72°F	• BINOVC E • FREQUENT WIND GUSTS TO 40MPH • FROPA (PRS JMP) ~ 1400 LT • TOVHD LGTCC ~1400 LT • RAMOS : 64/39
Min. 41 °F	Vel. 20 m.p.h.	Read. 28.59"	
Set 43 °F	Char. very gusty	Corr. 28.46"	
R. H. 63 %	24 hr. Mov. 260.9mi	Sea L. 29.74"	
Ppn. Liq. 0.52 in.	Prev. Dir. W	3 hr. Tend. +3mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. OVC	Clds.	Clds.
Wx - Stratocumulus - nimbostratus	Wx	Wx
Vis. 15 miles	Vis.	Vis.

$T_{roof} = 41°$

$Td_{roof} = 29°F$

$T_{univ} = 42°F$

$Td_{univ} = 30°F$

$\overline{T} = 54°F$

HDD = 11

ΣHDD = 112

CDD = 0

ΣCDD = 4

ΣPCN_{ℓ} = 1.83"

ΣPCN_{S} = 0

- R- (ocnl R-- and R) OBS - 0930 LT
- RW- ~1045 LT
- RW ~1105 LT
- LTGCC 1105 LT
- R- (ocnl R) 1135 - 1240 LT
- RW+ 1350 - 1355 LT
- RW- ~2100 LT
- PK WND (observed) 51 mph 2045 LT
- FREQUENT STRONG GUSTS AFTER FROPA (46; 1640, 45; 0730, 11th)
- GAUGE EMPTIED 1545 LT; 0.50"

Sat. May 12 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 60 °F	Dir. ——	Temp. 71°	• L- 1R- 0815 to 0820 LT • Very windy yesterday Pk wind gust 52mph 0900 • Ramos: 56, 34		
Min. 34 °F	Vel. 0 m.p.h.	Read. 29.13			
Set 39 °F	Char. calm	Corr. 29.00	0700	1300	1900
R. H. Ramos 65 %	24 hr. Mov. 122 mi.	Sea L. 30.40	Clds. 10/10 altostrat	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +2½	Wx •ovc •calm	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JcK	Vis. 40 mi.	Vis.	Vis.

$T_{\text{Roof Beams}} = 39$ $\quad \bar{T} = 47$ $\quad \Sigma_{PCN_c} = 1.83''$

$T_w = \text{——}$ $\quad HDD = 18$ $\quad \Sigma_{PCN_s} = T$

$T_l = 27$ $\quad \Sigma_{HDD} = 130$

$CDD = 0$

$\Sigma_{CDD} = 4$

SUNDAY, MAY 13, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 56 °F	Dir. S	Temp. 74 °F	- TEMPERATURE ROSE OVERNIGHT - RAINS MIN OCCD DURING PRECIP (46°F, 1600 LT) - RW - 1500 - 1615 LT - RW-(ocnl RW) 1800 - 1900 LT - ocnl RW - ovnt - RAINS 54/38
Min. 39 °F	Vel. 4 m.p.h.	Read. 28.73"	
Set 52 °F	Char. generally light	Corr. 28.60"	

	0700	1300	1900
R. H. 83 %	Clds. 10/10 •NS	Clds.	Clds.
Ppn. Liq. 0.13 in.	Wx •L- •F	Wx	Wx
Ppn. Sol. — in.	Vis. 5 miles	Vis.	Vis.
Snow Depth — in.			
24 hr. Mov. 95.5 mi.			
Sea L. 29.89"			
Prev. Dir. S			
3 hr. Tend. -1½mb \			
Observer MSS			

$T_{roof} = 52^{\circ}F$

$T_{d_{roof}} = 47^{\circ}F$

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

$T_{d_{wwv}} = 48^{\circ}F$

$\bar{T} = 48^{\circ}F$

$HDD = 17$ $\quad CDD = 0$

$\Sigma HDD = 147$ $\quad \Sigma CDD = 4$

$\Sigma PCN_l = 1.96"$

$\Sigma PCN_s = T$

MONDAY, MAY 14, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 68 °F	Dir. NNE	Temp. 74 °F	• few Cu to E & S • L - obs - 0830 • R - 0900 - 1100 LT (cont R) • R - 1710 - 1805 (cont R) • TRW - 1725 - 1735 LT • PRSMP ~ 1700 LT
Min. 45 °F	Vel. 6 m.p.h.	Read. 29.01"	
Set 49 °F	Char. generally light	Corr. 28.88"	

	0700	1300	1900
R. H. 69 %	Clds. CLR	Clds.	Clds.
Ppn. Liq. 0.19 in.	Wx - Sunny - some haze	Wx	Wx
Ppn. Sol. — in.	Vis. 15 miles	Vis.	Vis.

24 hr. Mov.	Sea L.	3 hr. Tend.	Prev. Dir.	Snow Depth	Observer
146.3 mi	30.18"	+2mb /	SSW	— in.	MSS

T_{roof} = 49 °F

$T_{d_{mmos}}$ = 39 °F

T_{conv} = 50°F

$T_{d_{conv}}$ = 39 °F

$\bar{T}$ = 57°F

- PK WND (observed) 31 mph ~2005 LT
- TOVHD 1725 LT
- LTGCG 1725 LT
- Ramos 66/46

HDD = 8 CDD = 0

ΣHDD = 155 ΣCDD = 4

ΣPCN_l = 2.15"

ΣPCN_s = T

Tues May 15 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 72 °F	Dir. SSW	Temp. 78°
Min. 49 °F	Vel. 9 m.p.h.	Read. 28.98
Set 59 °F	Char. Steady	Corr. 28.84
R. H. Ramos 72 %	24 hr. Mov. 73 mi.	Sea L. 30.18
Ppn. Liq. T in.	Prev. Dir. SSW	3 hr. Tend. +1 ⎽⎺
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JcK

General Obs.

- Ovnt Low: 59
- RW-- ~ 0430-0450 LT.
- Ramos: 72, 49 Lo: 57

	0700	1300	1900
Clds.	8/10 [illegible] / 10 [illegible]		
Wx	Ptly Sunny - Breezy		
Vis.	15 mi.		

$T_{Avg/Range} = 58$ $\bar{T} = 61$ $\Sigma P_{CN_2} = 2.15$"

$T_w =$ —— $HDD = 4$ $\Sigma P_{CN_2} = T$

$T_{d\,Range}$ 49 $\Sigma HDD = 159$

$CDD = 0$.

$\Sigma CDD = 4$.

Wed May 16 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 78 °F	Dir. —	Temp. 74°
Min. 59 °F	Vel. 0 m.p.h.	Read. 28.80
Set 61 °F	Char. Calm	Corr. 28.67
R. H. Range 90 %	24 hr. Mov. 85 mi.	Sea L. 29.99
Ppn. Liq. .64 in.	Prev. Dir. S	3 hr. Tend. −1½ ╲
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK

General Obs. [illegible]

- •RW - 1700-1820
- •TRWND 1705 LTG CG 1705
- •TRW - 1800-1810
- •RW - 1815-1940
- •LTG CCG 1925, 1945
- •LTG IC 2300
- •TRW - 2330-0100 OCNL RW
- •EST OVNT to 61
- •Ranges: 75 58

	0700	1300	1900
Clds.	10/ [illegible] /10 [illegible]		
Wx	•OVC		
Vis.	4 mi.		

$T_{Avg/Normal} = 60$	$\bar{T} = 69$	$\Sigma PCN_L = 2.79''$
$T_w =$ —	$HDD = 0$	$\Sigma PCN_S = T$
$Td_{Avg} = 57$	$\Sigma HDD = 159$	
	$CDD = 4$	
	$\Sigma CDD = 8$	

THU., MAY 17, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. S	Temp. 74 °F	• R- 0815 - 1300 LT (ocnl R)
Min. 61 °F	Vel. 10 m.p.h.	Read. 28.49"	• RW- 1630 - 1700 LT
Set 64 °F	Char. steady	Corr. 28.36"	• RW 1835 - 1900 LT
R. H. 81 %	24 hr. Mov. 71.5 miles	Sea L. 29.63"	• R- 0715 - obs (ocnl R)
Ppn. Liq. 0.78 in.	Prev. Dir. S	3 hr. Tend. -3mb \	• ocnl RW-, R- overnight
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	• PRESFR

Min. is 10F < max. min.

0700	1300	1900
Clds. OVC • few strato cumulus • nimbostratus	Clds.	Clds.
Wx R-F	Wx	Wx
Vis. 3 miles	Vis.	Vis.

$\bar{T} = 65°F$

$HDD = 0$ $CDD = 0$

$\Sigma HDD = 159$ $\Sigma CDD = 8$

$T_{ref} = 63°F$

$T_{frame} = 58°F$

$\Sigma PCN_l = 3.57"$

$\Sigma PCN_s = T$

Meteorological Observatory
University Park, Pa.

FRI., MAY 18, 1990 — 0700 EST

Temp.	Wind	Barom.
Max. 72 °F	Dir. WNW	Temp. 72° F
Min. 51 °F	Vel. 20 m.p.h.	Read. 28.62"
Set 51 °F	Char. strong gusts	Corr. 28.49"
R. H. 63 %	24 hr. Mov. 276.2 mi.	Sea L. 29.77"
Ppn. Liq. 0.03 in.	Prev. Dir. W	3 hr. Tend. +1mb ✓
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS

General Obs. (all LT)

- R- obs - 0830
- TRW- 1355 - 1410
- PRS JMP, WNDSHFT, FROPA ~ 1400 LT
- RW- 1710 - 1720
- TCB ~1710
- TRW- 1825 - 1840

0700	1300	1900
Clds. 9/10 stratocumulus	Clds.	Clds.
Wx very windy	Wx	Wx
Vis. 15 miles	Vis.	Vis.

$T_{hour} = 50°F$

$T_{d_{hour}} = 38°F$

$\bar{T} = 62°F$

$T_{max} = 52°$

$T_{min} = 40°$

HDD = 3 CDD = 0

$\Sigma HDD = 162$ $\Sigma CDD = 8$

$\Sigma PCN_L = 3.60"$

$\Sigma PCN_S = T$

- HAIL REPORTED @ BEALER STADIUM ~ 1830
- VIRGA NW ~ 2035
- RW- 2045-2050
- RW-- ~ 0425, 18th
- RAINBOWS
  - 1725
  - 1830-1840 (double)
- WIND GUSTS (in mph):
  - 44 @ 1332
  - 46 @ 1333
  - 53 @ 1338
  - 47 @ 0720, 18th
- very gusty at obs
- min reached at obs

SAT., MAY 19, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 60 °F	Dir. W	Temp. 71 °F	• very windy yesterday (frequent gusts to 30 mph)
Min. 47 °F	Vel. 18 m.p.h.	Read. 28.80"	• RW- 0930 - 0940 LT 1255 - 1310 LT 1540 - 1545 LT
Set 51 °F	Char. steady	Corr. 28.68"	
R. H. 57 %	24 hr. Mov. 220* mi	Sea L. 29.98"	
Ppn. T Liq. in.	Prev. Dir. W*	3 hr. Tend. +1mb /	
Ppn. — Sol. in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. 1/10 few cirrus	Clds.	Clds.
Wx sunny	Wx	Wx
Vis. 20 miles	Vis.	Vis.

* RAMOS OUT AT @ ~1500LT ; values estimated

T_{roof} = —

T_{unv} = 52°F

$T_{d_{unv}}$ = 37°F

$\bar{T}$ = 54°F

HDD = 11 CDD = 0

ΣHDD = 173 ΣCDD = 8

ΣPCN_l = 3.60"

ΣPCN_s = T

SUN. MAY 20, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 70 °F	Dir. —	Temp. 73	RW- 0030 – 0300 LT, 20mi		
Min. 51 °F	Vel. 0 m.p.h.	Read. 28.71			
Set 55 °F	Char. CALM	Corr. 28.58			
			0700	1300	1900
R. H. 72 %	24 hr. Mov. NA	Sea L. 29.91	Clds. 5/10	Clds.	Clds.
Ppn. Liq. .02 in.	Prev. Dir. NA	3 hr. Tend. STDY	Wx PTLY SUNNY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 28 mi.	Vis.	Vis.

$T_{d\ min} = 46$ $T_{d\ range} = NA$

$\bar{T} = 61$

$H_{DD} = 4$

$\Sigma_{HDD} = 177$ $\Sigma_{CDD} = 8$

$\Sigma_{PCN} = 3.62$

MONDAY, MAY 21, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 71 °F	Dir. —	Temp. 72 °F	RW- c. 1700-1800 LT (.01") c 2200 - 0400 LT RW+ c. 0330 LT THUNDER HEARD c. 2300 LT
Min. 55 °F	Vel. — m.p.h.	Read. 28.69"	
Set 59 °F	Char. calm	Corr. 28.56"	
R. H. 93 %	24 hr. Mov. NA	Sea L. 29.85"	
Ppn. Liq. 0.28 in.	Prev. Dir. NA	3 hr. Tend. +1½mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. 10/10 • nimbostratus • stratocumulus	Clds.	Clds.
Wx FOG	Wx	Wx
Vis. 3 miles	Vis.	Vis.

$T_{unv} = 60°F$

$T_{d_{unv}} = 58°F$

$\bar{T} = 63°F$

$HDD = 2.$ $\quad CDD = 0$

$\sum HDD = 179$ $\quad \sum CDD = 8$

$\sum PCN_l = 3.90"$

$\sum PCN_s = T$

TUE. MAY 22, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 60 °F	Dir. NE	Temp. 70	L c. 1100-1200 LT, 21ST
Min. 46 °F	Vel. 6 m.p.h.	Read. 28.86	* 12TH CONSECUTIVE DAY ≥ T precip.
Set 47 °F	Char. VARYING 3-10	Corr. 28.74	

	0700	1300	1900
R. H. 74 %	Clds. 10/10 OVC	Clds.	Clds.
Ppn. T Liq. * in.	Prev. Dir. NNE	3 hr. Tend. +1.5 mb	Wx CLDY
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.
24 hr. Mov. 57 mi.	Sea L. 30.10	Wx	Vis.

$T_{max} = 48$ $T_W = 44$ $T_Q = 40$

$T_{Q\,max} = 39$

$T_{Q\,min} < 39$

$\overline{T} = 53$

$H_{DD} = 12$

$\Sigma H_{DD} = 191$ $\Sigma C_{DD} = 8$

$\Sigma P_{LN(L)} = 3.90''$

$(S) = T$

WEDNESDAY, MAY 23, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 62 °F	Dir. S'W	Temp. 72 °F	• BINOVC to S and OVHD
Min. 41 °F	Vel. 7 m.p.h.	Read. 28.83"	
Set 47 °F	Char. steady	Corr. 28.70"	ramos : 64/39
R. H. 82 %	24 hr. Mov. 46.9 mi.	Sea L. 29.99"	
Ppn. Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. +½ mb /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx Stratocumulus	Wx	Wx
Vis. 15 miles	Vis.	Vis.

$T_{roof} = 50°F$

$T_{wet} = 45°F$

$T_d = 40°F$

$T_{roof\ ramos} = 47°F$

$T_{d\ ramos} = 38°F$

$\bar{T} = 52°F$

$T_{unv} = 47°F$

$T_{d\ unv} = 41°F$

$HDD = 13$ $\quad CDD = 0$

$\sum HDD = 204$ $\quad \sum CDD = 8$

$\sum PCN_l = 3.90"$

$\sum PCN_s = T$

THURS MAY 24, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 63 °F	Dir. SW	Temp. 74	CLEAR WEST		
Min. 47 °F	Vel. 3 m.p.h.	Read. 28.88			
Set 51 °F	Char. light	Corr. 28.75	RAMOS : 64/46		
R. H. 69 %	24 hr. Mov. 56 mi.	Sea L. 30.10	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. +1.5 mb/	Clds. ALTO-CU 7/10	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Wx MSTLY CLDY	Wx	Wx
			Vis. 20 mi.	Vis.	Vis.

$T_{roof} = 61$ $T_{d\,roof} = 41$

$T_{d\,unv} = 43$

$\bar{T} = 55$

$H_{DD} = 10$

$\Sigma_{HDD} = 214$ $\Sigma_{CDD} = 8$

$\Sigma_{PCN(L)} = 3.90''$ $\Sigma_{PCN(S)} = T$

FRIDAY, MAY 25, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 66 °F	Dir. WSW	Temp. 75°F	• dense fog developed ~ 0630 LT, 25th
Min. 42 °F	Vel. 3 m.p.h.	Read. 29.01"	• RW- C 1830 LT
Set 44 °F	Char. very light	Corr. 28.88"	• dense fog remains on golf course
R. H. unv 93 %	24 hr. Mov. 32.7 mi.	Sea L. 30.18"	• elsewhere – fog dissipating moderately quickly
Ppn. T Liq. in.	Prev. Dir. NE	3 hr. Tend. +1mb	
Ppn. 0 Sol. in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. partially obscured	Clds.	Clds.
Wx • FOG • few Ci • otherwise sunny	Wx	Wx
Vis. 3/4 mile	Vis.	Vis.

$T_{urw} = 44^{\circ}F$

$T_{durw} = 42^{\circ}F$

$\mu DD = 11$

$\Sigma HDD = 225$

$\Sigma CDD = 8$

$\Sigma PCNe = 3.90''$

$\Sigma PCN_S = T$

$T_{psy} = 46^{\circ}F$

$T_{wet} = 44^{\circ}F$

$T_{manos} = 45^{\circ}F$

$T_{dmanos} = 41^{\circ}F$

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

SAT. MAY 26, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 71 °F	Dir. E	Temp. 78	R-, OCNL R 02 – 05 LT R- 05 LT – OBS PCN. VRY LT. @ OBS TUSSEY RIDGE OBSCURED MT. NITTANY PART. VIS.
Min. 44 °F	Vel. 8 m.p.h.	Read. 28.73	
Set 56 °F	Char. GUSTY TO 14	Corr. 28.59	
R. H. 87 %	24 hr. Mov. 50 mi.	Sea L. 29.92	
Ppn. Liq. .40 in.	Prev. Dir. S	3 hr. Tend. -0.5MB\	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx R- F	Wx	Wx
Vis. 2 mi	Vis.	Vis.

$T_{RAMOS} = 56$ $T_{d\,RAMOS} = 52$

$T_{d\,UNV} = 51$

$\overline{T} = 58$

$H_{DD} = 7$

$\Sigma H_{DD} = 232$ $\Sigma C_{DD} = 8$

$\Sigma P_{CN(L)} = 4.30''$ $\Sigma P_{CN(S)} = T$

SUN MAY 27, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 58 °F	Dir. ESE	Temp. 78	R- 0800 - 1000 2614 (LT) OCNL. L, L- 1800 - 0000 LT
Min. 53 °F	Vel. 5 m.p.h.	Read. 28.74	
Set 55 °F	Char. VAR. 2-8	Corr. 28.60	
R. H. 78 %	24 hr. Mov. 46 mi.	Sea L. 29.93	
Ppn. Liq. .02 in.	Prev. Dir. NE	3 hr. Tend. +1.0 mb/	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

	0700	1300	1900
Clds.	6/10		
Wx	PTLY SUNNY		
Vis.	4 V 10 (HAZE)		

$T_{roof} = 56$ $T_{droof} = 47$

$T_{duN} = 48$

$\bar{T} = 56$

$H_{DD} = 9$

$\Sigma_{HDD} = 241$ $\Sigma_{CDD} = 8$

$\Sigma_{pcw(L)} = 4.32"$ $\Sigma_{pcw(J)} = T$

MON. MAY 28, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 70 °F	Dir. ENE	Temp. 78	Ci VRY THIN OVHD THICKER SOUTH, CLR NORTH FOG AT BASES OF MTNS.		
Min. 49 °F	Vel. 2 m.p.h.	Read. 28.79			
Set 54 °F	Char. VRY LT.	Corr. 28.64			
			0700	1300	1900
R. H. 75 %	24 hr. Mov. 53 mi.	Sea L. 29.98	Clds. 7/10 ci	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. +0.5mbr	Wx HAZY SUN	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 1V6	Vis.	Vis.

$T_{roof} = 57$ $T_W = 52.5$ $T_d = 49$

$T_{d\,ramos} = 48$

$T_{d\,unv} = 50$

$\bar{T} = 60$

$H_{DD} = 5$

$\Sigma_{HDD} = 246$ $\Sigma_{CDD} = 8$

$\Sigma_{pcw(L)} = 4.32''$ $\Sigma_{pcw(S)} = T$

TUESDAY, MAY 29, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. E	Temp. 78°F	• R - 1730 - 0050 LT
Min. 51 °F	Vel. 9 m.p.h.	Read. 28.60"	• RW - 0740 - obs
Set 51 °F	Char. steady	Corr. 28.46"	• temperature continuing to fall
			ramos. 67/51

0700	1300	1900
Clds. 10/10 • nimbostratus • few stratocum.	Clds.	Clds.
Wx RW-F	Wx	Wx
Vis. 3 miles	Vis.	Vis.

R. H.	24 hr. Mov.	Sea L.
74 %	74.3 mi.	29.73"

Ppn. Liq.	Prev. Dir.	3 hr. Tend.
0.17 in.	S	-1mb ↘

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

$T_{max} = 51°F$

$T_{d_{max}} = 43°F$

$HDD = 5$

$\Sigma HDD = 251$

$\Sigma CDD = 8$

$\Sigma PCN_e = 4.49"$

$\Sigma PCN_s = T$

$T_{min} = 51°F$

$T_{d_{min}} = 42°F$

$T_{wet} = 49°F$

$\bar{T} = 60°F$

WED. MAY 30, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 51* °F	Dir. NNW	Temp. 77	FEW CU WEST R-, OCNL R 0800, 29th – 0120, 30th * REC. MIN MAX FOR DATE (PREV. REC=52) MAX OCURD AT OBS, 29th		
Min. 45 °F	Vel. 10 m.p.h.	Read. 28.76			
Set 47 °F	Char. VARIABLE NW→N	Corr. 28.62			
R. H. 61 %	24 hr. Mov. 85 mi.	Sea L. 29.97	0700	1300	1900
Ppn. Liq. 1.32 in.	Prev. Dir. N	3 hr. Tend. +3.0 mb/	Clds. 0/10	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Wx CLR + BREEZY	Wx	Wx
			Vis. 25 mi.	Vis.	Vis.

$T_{roof} = 48$ $T_W = 42$ $T_d = 35$

$T_{d\,min} = 35$

$T_{d\,max} = 36$

$\bar{T} = 48$

$H_{DD} = 17$

$\Sigma_{HDD} = 268$ $\Sigma_{CDD} = 8$

$\Sigma_{PCN(L)} = 5.81''$ $\Sigma_{PCN(S)} = T$

THURSDAY, MAY 31, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 66 °F	Dir. SW	Temp. 77°F	• Some light haze E • one small Ci cloud S
Min. 41 °F	Vel. 6 m.p.h.	Read. 29.04"	
Set 47 °F	Char. steady	Corr. 28.90"	• ramos 65/40
R. H. 63 %	24 hr. Mov. 100.3 mi	Sea L. 30.19"	
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. +2½mb	
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. CLR	Clds.	Clds.
Wx sunny	Wx	Wx
Vis. 20 miles	Vis.	Vis.

$T_{Trenton} = 47°F$

$T_{d_{Trenton}} = 35°F$

$T_{Willow} = 48°F$

$T_{d_{Willow}} = 36°F$

$T_w = 44°F$

$\bar{T} = 54°F$

$HDD = 11$. $CDD = 0$

$\sum HDD = 279$ $\sum CDD = 8$

$\sum PCN_L = 5.81''$

$\sum PCN_S = T$