FRI. JUNE 1, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 72 °F	Dir. —	Temp. 78	Ci OVHD AND SW MANY CONTRAILS
Min. 44 °F	Vel. 0 m.p.h.	Read. 29.11	
Set 51 °F	Char. CALM	Corr. 28.97	
R. H. 63 %	24 hr. Mov. 50.4 mi	Sea L. 30.31	
Ppn. Liq. 0 in.	Prev. Dir. WSW	3 hr. Tend. +2.0 mb/	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

0700	1300	1900
Clds. 5/10	Clds.	Clds.
Wx PTLY CLDY	Wx	Wx
Vis. 20 mi.	Vis.	Vis.

$T_{roof} = 55$ $T_w = 48.5$ $T_d = 42.5$

$T_{d\,RAMOS} = 41$

$T_{d\,UAV} = 44$

$\bar{T} = 58$

$H_{DD} = 7$

SAT., JUNE 2, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 79 °F	Dir. —	Temp. 80 °F	• sun dim'y visible thru thick haze		
Min. 51 °F	Vel. — m.p.h.	Read. 29.03"			
Set 61 °F	Char. calm	Corr. 28.88"	rains OVRNT LO = 56		
R. H. 60 %	24 hr. Mov. 46.8 mi	Sea L. 30.17"	0700	1300	1900
Ppn. 0 Liq. in.	Prev. Dir. S	3 hr. Tend. 0 —	Clds. CLR	Clds.	Clds.
Ppn. 0 Sol. in.	Snow Depth — in.	Observer MSS	Wx fog & haze	Wx	Wx
			Vis. 5 mi.	Vis.	Vis.

$T_{roof} = 64°F$

$T_{d\,roof} = 50°F$

$T_{wall} = 60°F$

$T_{d\,wall} = 53°F$

$T_w = 59°F$

$\bar{T} = 65°F$

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

$\Sigma HDD = 7$ $\quad \Sigma CDD = 0$

$\Sigma PCN_e = 0$

$\Sigma PCN_s = 0$

SUN. JUNE 3, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 81 °F	Dir. SW	Temp. 84!!	SUN VISIBLE THRU CIRRUS VEIL PARTIAL 22° HALO 4/10 ALTOCUMULUS TOP OF TUSSEY RIDGE FROM PINE GROVE MILLS → S obscured by clouds VERY BREEZY AT OBS PRECIP. DATA on BACK →
Min. 61 °F	Vel. 15 m.p.h.	Read. 28.71	
Set 67 °F	Char. VARYING 8-20 mph	Corr. 28.56	
R. H. 77 %	24 hr. Mov. 139 mi.	Sea L. 29.86	
Ppn. Liq. .18 in.	Prev. Dir. S	3 hr. Tend. -1.0 mb ↘	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

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

$T_{max} = 70$ $T_w = 65$ $T_d = 62.5$

$T_{d\ RAMOS} = 61$

$T_{d\ UNW} = 62$

$\bar{T} = 71$

$C_{DD} = 6$ $\Sigma C_{DD} = 6$

$\Sigma H_{DD} = 7$

$\Sigma P_{CN} = 0.18"$

RAMOS OVRNT LO = 65

RW: 1800-1805, 2ND

TRW: 2010-2045, 2ND (LTGCC)

TRW: 0535-0625, 3RD

Monday, June 4, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 82 °F	Dir. WNW	Temp. 82 °F	• Quite windy yesterday, and at obs • altostratus north & west • nimbostratus south & east • scattered stratocumulus algds • min occurred at obs
Min. 51 °F	Vel. 14 m.p.h.	Read. 28.64"	
Set 51 °F	Char. gusting to 22mph	Corr. 28.49"	
R. H. 74 %	24 hr. Mov. 201 mi	Sea L. 29.75"	
Ppn. Liq. 0.05 in.	Prev. Dir. SW	3 hr. Tend. +2½mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

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

$T_{roof} = 50°F$

$T_{d_{roof}} = 42°F$

$HDD = 0$ $CDD = 2$

$\Sigma HDD = 7$ $\Sigma CDD = 8$

$T_{unv} = 52°F$

$T_{d_{unv}} = 44°F$

$\Sigma PCN_e = 0.23"$

$T_w = 48°F$

- PRSJMP 2000LT, 3rd
  0030LT, 4th

$T = 67°F$

- TRW - 0045 - 0130 LT, 4th
- PK WND 40mph 0100LT, 4th (est.)

THES. JUNE 5 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 56 °F	Dir. WSW	Temp. 75°	• SPRINKLER AT 11:15 (1100) AM. • MAMMATUS VISIBLE W. N ~1300 LT — ?
Min. 40 °F	Vel. 4 m.p.h.	Read. 28.94	
Set 44 °F	Char. Light	Corr. 28.81	• RAMOS: 55, MA.
R. H. 65 %	24 hr. Mov. 100 mi.	Sea L. 30.18	
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. +2½ /	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer Jck	

	0700	1300	1900
Clds.	1/10 CIRRUS	Clds.	Clds.
Wx	• PR SUNNY	Wx	Wx
Vis.	35 mi.	Vis.	Vis.

$T_{hourly} = 46$ $\quad \bar{T} = 48$ $\quad \Sigma P_{CW_L} = .23"$

$T_w = 41$ $\quad HDD = 17$

$T_d = 35$ $\quad \Sigma_{HDD} = 24$

$CDD = 0$

$\Sigma_{CDD} = 8$

Wednesday, June 6, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 71 °F	Dir. WSW	Temp. 73°F	• BINOVC ALGDS • Stratocumulus gives way to Altocumulus and Altostratus to the NW
Min. 44 °F	Vel. 5 m.p.h.	Read. 28.82"	
Set 56 °F	Char. generally light	Corr. 28.69"	ramos pvnt 10 = 55 (8 obs)

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 18 miles	Vis.	Vis.

R. H. 62 %	24 hr. Mov. 53 miles	Sea L. 29.98"	
Ppn. — Liq. in.	Prev. Dir. SW	3 hr. Tend. 0 ^	
Ppn. — Sol. in.	Snow Depth —— in.	Observer MSS	

$T_{roof} = 55°F$

$T_{d_{roof}} = 42°F$

$HDD = 7$

$\Sigma HDD = 31$

$\Sigma CDD = 8$

$\Sigma PCN_\ell = 0.23"$

$T_{unv} = 55°F$

$T_{d_{unv}} = 44°F$

$T_{wet} = 52°F$

$\bar{T} = 58°F$

THURS., JUNE 7, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 78 °F	Dir. W	Temp. 77°F	• Few Ci 0440 • Nimbostrat to N and NW • TRW 2300 - 2330 LT, 6th • RW - 2330, 6th - 0130, 7th (occnl heavy) • RW - 0340 - 0345, 7th • Ramos cont 6 = 61°F
Min. 56 °F	Vel. 8 m.p.h.	Read. 28.81"	
Set 65 °F	Char. steady	Corr. 28.69"	
R. H. 84 %	24 hr. Mov. 98 miles	Sea L. 29.97"	
Ppn. Liq. 0.39 in.	Prev. Dir. S	3 hr. Tend. +2mb /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. -X, 10/10 Stratocumulus	Clds.	Clds.
Wx breezy, hazy	Wx	Wx
Vis. 3 miles	Vis.	Vis.

$T_{roof} = 64^{\circ}F$

$T_d = 59^{\circ}F$

$\Sigma HDD = 31$

CDD = 2

$\Sigma CDD = 10$

$T_{surr} = 65^{\circ}F$

$T_{dsurr} = 60^{\circ}F$

$\Sigma PCN_l = 0.62''$

$T_w = 63^{\circ}F$

$\bar{T} = 67^{\circ}F$

FRI. JUNE 8, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 78 °F	Dir. —	Temp. 77	Sky Bright SE
Min. 55 °F	Vel. 0 m.p.h.	Read. 28.94	
Set 58 °F	Char. calm	Corr. 28.80	

	0700	1300	1900
R. H. 78 %	Clds. 10/10	Clds.	Clds.
Ppn. 0 Liq. in.	Wx OVC	Wx	Wx
Ppn. 0 Sol. in.	Vis. 15 WEST 25 EAST	Vis.	Vis.

24 hr. Mov.	Sea L.	3 hr. Tend.	Prev. Dir.	Snow Depth	Observer
93 mi.	30.13	+0.5 mb/	W	0 in.	JHM

$T_{roof} = 59$ $T_w = 55$ $T_d = 52$

$T_{d\,rooms} = 60$

$T_{d\,unw} = 52$

$\bar{T} = 67$

$DD_c = 2$ $\quad \Sigma H_{DD} = 31$

$\Sigma C_{DD} = 12$

$\Sigma_{PCW} = 0.62''$

SAT. JUNE 9 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 74 °F	Dir. WSW	Temp. 76°	• WHAT A NIGHT! ALL TIMES LOCAL • RW 1000-1035 • TRW 1510-1600 • TRW 2110-2115 • OCNL LIGHTNING CC CG 2030-2230 THEN AT 2230 IT BECAME FREQUENT OVHD →
Min. 58 °F	Vel. 6-26 m.p.h.	Read. 28.81	
Set 67 °F	Char. VAR. + CONSTG	Corr. 28.67	
R. H. 75 %	24 hr. Mov.	Sea L. 29.97	
Ppn. .94 Liq. in.	Prev. Dir.	3 hr. Tend. +2 ✓	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JCL	

0700	1300	1900
Clds. SOME 1D/ AMAZING 110 STRATUSCUM	Clds.	Clds.
Wx -OVC • WINDY	Wx	Wx
Vis. 20 MI.	Vis.	Vis.

$T_{max} = 69$
$T_w = 64$
$T_d = 61$

$\overline{T} = 66$
HDD = 0
Σ_{mHDD} 31
CDD = 1
$\Sigma_{CDD} = 13$

$\Sigma_{PLN_i} = 1.56"$

- TRW+ 2315-2325
- TRW- 2325-0015
- FREQUENT LIGHTNING CC CG OVHD, W, N, E 2300-2330
- TRW+ 0110-0145
- STILL LIGHTNING TO EAST AFTER 0145
- POWER OUT 0125 All STATE College black THEN only a few Lights
- CAN stalled on Hcooled ATHERTON 0140
- FIRE ON SW HORIZON (TRANSFORMER?) 0125-0150

- THREE VERY BRIGHT GREEN FLASHES THAT LIT THE ENTIRE SW HORIZON IN COLOR. @ 0125

Sunday, June 10, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 75 °F	Dir. SW	Temp. 75°	OB 2140 RW 0840 - 0900 TRW 1135 - 1150
Min. 59 °F	Vel. 5 m.p.h.	Read. 28.75"	
Set 59 °F	Char. varying intensity	Corr. 28.62"	ramos ovnt t_0 = 58°F

0700	1300	1900
R. H. 79 %	24 hr. Mov. 86 mi.	Sea L. 29.91"
Clds. - 5/10 - Cumulus	Clds.	Clds.
Ppn. Liq. 0.18 in.	Prev. Dir. WSW	3 hr. Tend. +½mb /
Wx breezy, pdly sunny	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS
Vis. 20 miles	Vis.	Vis.

$T_{max} = 59°F$

$T_d = 53°F$

$CDD = 2$

$\Sigma CDD = 15$

$\Sigma HDD = 31$

$\Sigma PCN_e = 1.74"$

$\bar{T} = 67°F$

Monday, June 11, 1990 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 70 °F	Dir. NNW	Temp. 78°F	• FQT WND GSTS to 30mph yesterday • Darkest clouds N & E • Mostly bright & blue to SW • Clouds moving rapidly SWRD •
Min. 58 °F	Vel. 7 m.p.h.	Read. 28.84"	
Set 60 °F	Char. varying 4-15mph	Corr. 28.70"	
R. H. 67 %	24 hr. Mov. 137 mi.	Sea L. 29.98"	
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. +1½mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. 8/10 Stratocumulus	Clds.	Clds.
Wx breezy • ptly sunny	Wx	Wx
Vis. 15 miles	Vis.	Vis.

$T_{roof} = 59°F$

$T_d = 48°F$

$T_{unv} = 61°F$

$T_{d_{unv}} = 49°F$

$F = 64°F$

$T_w = 55°F$

$HDD = 1$

$\Sigma HDD = 32$

$\Sigma CDD = 15$

$\Sigma PCN_2 = 1.74"$

Tuesday, June 12, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 71 °F	Dir. SW	Temp. 75°F	• brief RW-- ~ 1100 LT, 11th • few lonely Ci north & west • Some valley fog & haze along east end of Tussey Ridge.
Min. 46 °F	Vel. 3 m.p.h.	Read. 29.05"	
Set 53 °F	Char. very light	Corr. 28.91"	
R. H. 69 %	24 hr. Mov. NA	Sea L. 30.21"	
Ppn. T Liq. in.	Prev. Dir. NA	3 hr. Tend. +2mb ✓	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MSS	

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

$T_{roof} = 52°F$

$T_d = 42°F$

$T_{warm} = 52°F$

$T_{d_{warm}} = 45°F$

$\bar{T} = 59°F$

$T_w = 49°F$

HDD = 6

$\Sigma HDD = 38$

$\Sigma CDD = 15$

$\Sigma PCN_e = 1.74"$

Wed. June 13 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 75 °F	Dir. —	Temp. 73	• OVNT low ~ 55
Min. 53 °F	Vel. 0 m.p.h.	Read. 29.01	
Set 59 °F	Char. Calm	Corr. 28.87	• Ramos: 77, 53 OVNT: 55

	0700	1300	1900
R. H. 75 %	Clds. 10/ Altocum. 110 Few Bits East	Clds.	Clds.
Ppn. 0 Liq. in.	Wx • ove • calm	Wx	Wx
Ppn. 0 Sol. in.	Vis. 25 mi.	Vis.	Vis.

Prev. Dir.	3 hr. Tend.	Snow Depth	Observer
SW	+½ —	0 in.	JCK
24 hr. Mov. 30 mi.	Sea L. 30.20		

$T_{hourly} = 61$ $\quad \bar{T} = 64$ $\quad \Sigma P_{CN_L} = 1.74"$

$T_w = 56$ $\quad HDD = 1$

$T_l = 53$ $\quad \Sigma_{HDD} = 39$

$CDD = 0$

$\Sigma_{CDD} = 15$

THURS. JUNE 14, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 80 °F	Dir. SW	Temp. 75	PATCHY CIRRUS OVHD AND W
Min. 59 °F	Vel. 5 m.p.h.	Read. 28.83	
Set 66 °F	Char. STDY	Corr. 28.69	RAINED OVERNT LO = 59
R. H. 75 %	24 hr. Mov. 67 mi.	Sea L. 30.00	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. -0.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

0700	1300	1900
Clds. 5/10	Clds.	Clds.
Wx ∞	Wx	Wx
Vis. 2 V 6 mi.	Vis.	Vis.

$T_{ROOF} = 69.5$ $T_W = 64$ $T_d = 61$

$T_{d\,MAUS} = 58.5$

$T_{d\,UNV} = 60$

$\bar{T} = 70$

$C_{DD} = 5$ $\Sigma_{CDD} = 20$

$\Sigma_{HDD} = 39$

$\Sigma_{PCN} = 1.74"$

FRI. JUNE 15, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 87 °F	Dir. ENE	Temp. 78	RW-- 1520-1525 LT TRW c. 2150-2230 LT Few LT&IC TRW c. 0215-0400 LT LT&ICCC&G RW- 0400-0600 (over)
Min. 66 °F	Vel. 5 m.p.h.	Read. 28.79	
Set 66 °F	Char. STDY	Corr. 28.65	
R. H. 87 %	24 hr. Mov. NA	Sea L. 29.96	
Ppn. Liq. .92 in.	Prev. Dir. SSW	3 hr. Tend. +.75mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

	0700	1300	1900
Clds.	10/10		
Wx	FOG BINOVC		
Vis.	3/4 mi.		

$T_{roof} = 67$ $T_w = 64.5$ $T_d = 63$

$T_{d\,unv} = 62$

$\bar{T} = 77$

$C_{OD} = 12$ $\Sigma C_{OD} = 32$

$\Sigma H_{OD} = 39$

$\Sigma P_{CN} = 2.66''$

* TRW + CELL C. 2000 LT OVER MT. NITTANY PLEASANT GAP AND CENTRE HALL HAD HEAVY RAIN

SAT. JUNE 16 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 80 °F	Dir. SW	Temp. 80			
Min. 65 °F	Vel. 5 m.p.h.	Read. 28.96			
Set 67 °F	Char. Steady	Corr. 28.81	Ramos: 79, 64		
R. H. 76 %	24 hr. Mov. 63 mi.	Sea L. 30.12	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +2	Clds. 7/10 CIRRUS TEN CUM	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Wx • Hazy • Mostly Sunny	Wx	Wx
			Vis. 3 1/2 mi.	Vis.	Vis.

$T_{Roof} = 69$ $\overline{T} = 73$ $\Sigma PCN_L = 2.66$"

$T_w = 64$ $HDD = 0$

$T_d = 61$ $\Sigma HDD = 7$

$CDD = 8$

$\Sigma CDD = 40$

SUN. JUNE 17 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 85 °F	Dir. SSW	Temp. 81			
Min. 66 °F	Vel. 3 m.p.h.	Read. 29.00			
Set 69 °F	Char. light	Corr. 28.85	RAMOS: 82, 66		
R. H. 73 %	24 hr. Mov. 53 mi.	Sea L. 30.15	0700 Clds. 7/10 CIRRUS CIRROCUM	1300 Clds.	1900 Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +1	Wx • HAZE • PTLY SUNNY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 7 mi.	Vis.	Vis.

$T_{no.} = 71$ $\bar{T} = 76$ $\sum P_{LN_L} = 2.66"$

$T_w = 65$ HDD $= 0$

$T_d = 62$ $\sum_{HDD} = 7$

CDD $= 11$

$\sum_{CDD} = 51$

MONDAY, JUNE 18, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 86 °F	Dir. SSW	Temp. 82°F	- few strato cumulus visible		
Min. 68 °F	Vel. 7 m.p.h.	Read. 28.76"			
Set 72 °F	Char. varying 6-12	Corr. 28.61"	- ramos 82/67		
R. H. 69 %	24 hr. Mov. 103 mi.	Sea L. 29.88"	0700 Clds. -X	1300 Clds.	1900 Clds.
Ppn. 0 Liq. in.	Prev. Dir. S	3 hr. Tend. -1½mb	Wx hazy	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MSS	Vis. 4 miles	Vis.	Vis.

$T_{heat} = 73°F$

$T_d = 62°F$

$T_{uww} = 71°F$

$T_{duww} = 63°F$

$T_w = 69°F$

$\bar{T} = 77°F$

Σ HDD = 39

CDD = 12

ΣCDD = 63

$\Sigma PCN_e = 2.66"$

TUE. JUNE 19, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 86 °F	Dir. SW	Temp. 76	OB DLAD CLR EARLY BUT RAPIDLY "SELF-DESTRUCTING" (over) TRW+ B 1500LT E 1525 LT LTGICCG PK WND 54 mph @ PEA-S1ZED HAIL 1510LT 1505LT		
Min. 62 °F	Vel. 6 m.p.h.	Read. 28.62			
Set 67 °F	Char. STDY	Corr. 28.58	0700	1300	1900
R. H. 73 %	24 hrs Mov. 63 mi.	Sea L. 29.87	Clds. 5/10	Clds.	Clds.
Ppn. Liq. .42 in.	Prev. Dir. SW	3 hr. Tend. +.5mb/	Wx PTLY CLDY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 20 mi.	Vis.	Vis.

$T_{roof} = 66$ $T_d = 57$

$\overline{T} = 74$

$C_{DD} = 9$ $\Sigma_{CDD} = 72$

$\Sigma_{HDD} = 39$

$\Sigma_{PCN} = 3.08"$

2ND CELL B 1535 LT
E 1555 LT
MORE MAIL
PEA → MARBLE SIZED
FQT LTGCG

3RD CELL B c. 0000 LT, 19TH MAINLY NORTH
ONLY .01" IN GAGE OF TOWN

WED., JUNE 20, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 75 °F	Dir. SW	Temp. 75° F	• Altostratus moving in from west & northwest • Some Cirrostratus east • RW - 0915 - • RW - 1100 - 1130 LT
Min. 53 °F	Vel. 3 m.p.h.	Read. 28.75"	
Set 56 °F	Char. generally light	Corr. 28.62"	
R. H. 74 %	24 hr. Mov. 101 mi	Sea L. 29.89"	
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. +½ mb ~	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. • 6/10 • cirrus	Clds.	Clds.
Wx lingering fog	Wx	Wx
Vis. 6 miles	Vis.	Vis.

$T_{roof} = 56°F$

$T_{b\,roof} = 48°F$

$HDD = 1$

$\Sigma HDD = 40$

$\Sigma CDD = 72$

$T_{uuw} = 57°F$

$T_{duw} = 48°F$

$\Sigma PCN_e = 3.08''$

$\bar{T} = 64°F$

$T_w = 54°F$

THURSDAY, JUNE 21, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 78 °F	Dir. SW	Temp. 79°F	• min ocrd at obs, 20th • sky mostly obscured, but some stratus visible • RW- ~ 2000LT Range: 75/61
Min. 56 °F	Vel. 4 m.p.h.	Read. 28.72"	
Set 64 °F	Char. steady	Corr. 28.58"	
R. H. 87 %	24 hr. Mov. 48 miles	Sea L. 29.84"	
Ppn. Liq. T in.	Prev. Dir. SW	3 hr. Tend. +1mb ✓	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. -X	Clds.	Clds.
Wx Fog	Wx	Wx
Vis. 3 miles	Vis.	Vis.

$\bar{T}_{roof} = 62°F$

$\bar{T}_d = 58°F$

$\Sigma HDD = 40$ CDD = 2

$\Sigma CDD = 74$

$\Sigma PCN_\ell = 3.08''$

$\bar{T}_{uww} = 63°F$

$\bar{T}_{duww} = 59°F$

$\bar{T}_{psy} = 65°F$

$\bar{T}_{wet} = 62°F$

$\bar{T} = 67°F$

FRIDAY, JUNE 22, 1990 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 80 °F	Dir. SW	Temp. 81 °F	• Some valley fog & haze • few Ci to S • few altostrat to N & W • RW-- ~1200 LT
Min. 61 °F	Vel. 5 m.p.h.	Read. 28.80"	
Set 67 °F	Char. light	Corr. 28.65"	
R. H. 61 %	24 hr. Mov. 112 miles	Sea L. 29.92"	
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. 0 ⌣	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MSS	

	0700	1300	1900
Clds.	1/10		
Wx	mostly Sunny		
Vis.	15mi.		

$T_{roof} = 68°F$

$T_d = 54°F$

$T_{lum} = 67°F$

$T_{d_{lum}} = 54°F$

$T_{pool} = 71°F$

$T_w = 64°F$

$\bar{T} = 70°F$

$\Sigma HDD = 40$ $\quad CDD = 5$

$\Sigma CDD = 79$

$\Sigma PCN_e = 3.08"$

Sat. June 23 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 82 °F	Dir. WSW	Temp. 78°	• R4 Sometime after 0130 LT. (maybe considerably after) ~ 0230 – 0630 LT		
Min. 62 °F	Vel. 13-20 m.p.h.	Read. 28.54			
Set 62 °F	Char. Variable	Corr. 28.40	• Own Lo: 62 • Ramos: 80, 61		
			0700	1300	1900
R. H. 75 %	24 hr. Mov. 140 mi.	Sea L. 29.70	Clds. 7/10 breaks between band	Clds.	Clds.
Ppn. Liq. .20 in.	Prev. Dir. S	3 hr. Tend. +1 /	Wx • Breezy • M cloudy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 25 mi.	Vis.	Vis.

$T_{Roof} = 63$ $\bar{T} = 72$ $\Sigma Pen_L = 3.28$

$T_w = 58$ $HDD = 0$

$T_d = 55$ $\Sigma HDD = 40$

$CDD = 7$

$\Sigma CDD = 86$

SUNDAY, JUNE 24, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 77 °F	Dir. WSW	Temp. 81°F	• BINOVC to extreme E • STRATOCUMULUS ALQDS • RW- ~1730LT Temps: 74/57		
Min. 58 °F	Vel. 8 m.p.h.	Read. 28.60"			
Set 60 °F	Char. variable 6-12	Corr. 28.45"			
R. H. 75 %	24 hr. Mov. 166 miles	Sea L. 29.71"	0700	1300	1900
Ppn. Liq. 0.01 in.	Prev. Dir. SW	3 hr. Tend. +1 3/4 mb /	Clds. 10/10	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Wx cloudy & breezy	Wx	Wx
			Vis. 15 miles	Vis.	Vis.

$T_{roof} = 58°F$
$T_d = 50°F$

$\Sigma HDD = 40$

$CDD = 3$
$\Sigma CDD = 89$

$T_{uw} = 59°F$
$T_{dew} = 51°F$

$\Sigma PDN_e = 3.29$

$T_{psy} = 61°F$
$T_w = 56°F$

$\bar{T} = 68°F$

MONDAY, JUNE 25, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 65 °F	Dir. WNW	Temp. 79 °F	· RW 1350 - 1405 LT · RW- 2330 - 0000 LT · RW 0100 - 0130 LT · BINOVC to N & E · ranos: 62/53		
Min. 53 °F	Vel. 4 m.p.h.	Read. 28.87 in.			
Set 55 °F	Char. very unsteady	Corr. 28.73 in.			
R.H. 83 %	24 hr. Mov. 129 mi.	Sea L. 30.01 in.	0700 Clds. 10/10 · stratocumulus · nimbostratus	1300 Clds.	1900 Clds.
Ppn. Liq. 0.14 in.	Prev. Dir. SW	3 hr. Tend. +2.1 mb	Wx light fog	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Vis. 2 mi E 5 mi W mi.	Vis. mi.	Vis. mi.

$T_{roof} = 54°F$

$T_d = 49°F$

$T_{uw} = 55°F$

$T_{dw} = 49°F$

$\bar{T} = 59°F$

$T_{psy} = 58°F$

$T_{wet} = 54°F$

$HDD = 6$

$\Sigma HDD = 46$

$\Sigma CDD = 89$

$\Sigma PCN_e = 3.43"$

TUES. JUNE 26, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 73 °F	Dir. SSW	Temp. 80 °F	HAZE + DISSIPATING GF EAST (LEMONT, PENNS VALLEY) PATCHY ALTOCU WEST		
Min. 55 °F	Vel. 2 m.p.h.	Read. 29.01 in.			
Set 60 °F	Char. light	Corr. 28.86 in.	0700	1300	1900
R.H. 78 %	24 hr. Mov. 48 mi.	Sea L. 30.19 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. /+.5 mb	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 4V9 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 63$ $T_w = 58.5$ $T_d = 56$

$T_{d\ remove} = 54$

$T_{d\ new} = 55$

$\bar{T} = 64$

$DD_H = 1$ $\Sigma DD_H = 47$

$\Sigma DD_C = 89$

$\Sigma_{PEN} = 3.43"$

WED., JUNE 27, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 82 °F	Dir. —	Temp. 77 °F	• lots of haze along ridges • sun dimly visible through cirrostratus area		
Min. 57 °F	Vel. — m.p.h.	Read. 28.87 in.			
Set 64 °F	Char. Calm	Corr. 28.73 in.	0700	1300	1900
R.H. 70 %	24 hr. Mov. 80 mi.	Sea L. 30.02 in.	Clds. 6/10 • Ci. • Cs. • Acu.	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. — 0 mb	Wx somewhat hazy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	Vis. 4 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 64°F$

$T_d = 54°F$

$T_{wav} = 64°F$

$T_{dew} = 56°F$

$T_{psy} = 67°F$

$T_{wet} = 60°F$

$\bar{T} = 71°F$

$\Sigma HDD = 47$

$CDD = 6$

$\Sigma CDD = 95$

$\Sigma PCN_L = 3.43"$

THURSDAY, JUNE 28, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 82 °F	Dir. –	Temp. 76 °F	· a few BINOVC · ridges hazy · a morning much like yesterday		
Min. 59 °F	Vel. 0 m.p.h.	Read. 28.96 in.			
Set 62 °F	Char. calm	Corr. 28.82 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. 85 mi.	Sea L. 30.11 in.	Clds. 10/10 · stratocu. · few altostrat	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. / +1 mb	Wx hazy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth – in.	Observer MSS	Vis. 3V7 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 61°F$

$\bar{T}_d = 55°F$

$\Sigma HDD = 47$

$CDD = 6$

$\Sigma CDD = 101$

$T_{conv} = 61°F$

$T_{down} = 56°F$

$\Sigma PCN_e = 3.43"$

$\bar{T} = 71°F$

FRIDAY, JUNE 29, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 84 °F	Dir. WSW	Temp. 76 °F	• few cirrocumulus & altostratus visible		
Min. 62 °F	Vel. 5 m.p.h.	Read. 28.87 in.			
Set 69 °F	Char. varying 3-8 mph	Corr. 28.73 in.	• rained ovnt lo: 67 (~midnight)		
R.H. 79 %	24 hr. Mov. 64 mi.	Sea L. 30.02 in.	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. — 0 mb	Clds. -X	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	Wx quite hazy	Wx	Wx
			Vis. 1 V 3 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 69^{\circ}F$

$T_d = 62^{\circ}F$

$T_{town} = 69^{\circ}F$

$T_{d_{town}} = 62^{\circ}F$

$\bar{T} = 73^{\circ}F$

$\Sigma HDD = 47$

CDD = 8

$\Sigma CDD = 109$

$\Sigma PCN_\ell = 3.43''$

Meteorological Observatory
University Park, PA

Sat. June 30 1990 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 86 °F	Dir. W	Temp. 78 °F	• TRW + 1800 - 1810 GT PK W 52 mph • TRW 1825 - 1835 • TRW - 1905 - 1910 • LTLCG 1900 • RW 1930 - 1935, 1955 2015 • RW — 2034 - 2045 • WARM GREEN GLOW 2020 →		
Min. 65 °F	Vel. 8 - 14 m.p.h.	Read. 28.78 in.			
Set 69 °F	Char. Vmod46	Corr. 28.64 in.	0700	1300	1900
R.H. 81 %	24 hr. Mov. 47 mi.	Sea L. 29.94 in.	Clds. 10/STRATOCUM/10	Clds.	Clds.
Ppn. Liq. .67 in.	Prev. Dir. WSW	3 hr. Tend. +½ / mb	Wx • OVC • GLOOMY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCL	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{hourly} = 70$ $\bar{T} = 76$ $\Sigma P_{eN_L} = 4.10''$

$T_w = 66$ $HDD = 0$

$T_d = 64$ $\Sigma HDD = 47$

$CDD = 11$

$\Sigma CDD = 120$

- Peak flow 2045
- Rainfall: NA