MONDAY, JULY 2, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 79 °F	Dir. NE	Temp. 78 °F	• few altostrat & cumulus to distant west •RW 1455 - 1506 LT •RW- 1855 - 1905 LT gauge emptied @ 2030LT		
Min. 54 °F	Vel. 2 m.p.h.	Read. 28.83 in.			
Set 60 °F	Char. very light	Corr. 28.69 in.	0700	1300	1900
R.H. 67 %	24 hr. Mov. 104 mi.	Sea L. 29.97 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0.03 in.	Prev. Dir. W	3 hr. Tend. ↓ +1½ mb	Wx clear & sunny	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 62°F$

$T_{d.} = 51°F$

$\Sigma HDD = 0$

$CDD = 2$

$\Sigma CDD = 10$

$T_{unv} = 59°F$

$T_{d_{unv}} = 52°F$

$\Sigma PCN_d = 0.19$

$\bar{T} = 67°F$

$T_{pav} = 62°F$

$T_w = 57°F$

TUES. July 3, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 82 °F	Dir. SW	Temp. 74 °F	STREAKY CIRRUS E and N DISSIPATING GF PENN VALLEY		
Min. 56 °F	Vel. 2 m.p.h.	Read. 28.91 in.			
Set 60 °F	Char. light	Corr. 28.78 in.	0700	1300	1900
R.H. 71 %	24 hr. Mov. 35 mi.	Sea L. 30.10 in.	Clds. 2/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. N	3 hr. Tend. Γ+1.0 mb	Wx MSTLY SUNNY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 63.5$ $T_W = 58$ $T_d = 54$

$T_{d\ max} = 53$

$T_{d\ MW} = 54$

$\bar{T} = 69$

$DD_C = 4$ $\Sigma_{DD_C} = 14$

$\Sigma_{DD_H} = 0$

$\Sigma_{PPN.} = 0.19''$

WED., JULY 4, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 85 °F	Dir. WSW	Temp. 80 °F	- few Ci ovhd & S - ridges still hazy		
Min. 60 °F	Vel. 18 m.p.h.	Read. 28.80 in.			
Set 74 °F	Char. varying 12-24	Corr. 28.65 in.	Pmags current lo = 65		
R.H. 56 %	24 hr. Mov. 82 mi.	Sea L. 29.92 in.	0700 Clds. 2/10	1300 Clds.	1900 Clds.
Ppn. 0 Liq. in.	Prev. Dir. SW	3 hr. Tend. - 0 mb	Wx Sunny & breezy	Wx	Wx
Ppn. — Sol. in.	Snow Depth — in.	Observer MSS	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 75°F$

$T_d = 58°F$

$T_{wwv} = 75°F$

$T_{dwwv} = 61°F$

$\bar{T} = 73°F$

$T_{psy} = 77°F$

$T_w = 67°F$

$\Sigma HDD = 0$

$CDD = 8$

$\Sigma CDD = 22$

$\Sigma PCN_6 = 0.19"$

Tues., July 5, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 94 °F	Dir. WSW	Temp. 85 °F	missed record max by 2° missed record max min by 3° a very gray & sticky morning rained ovnt to = 77		
Min. 74 °F	Vel. 9 m.p.h.	Read. 28.76 in.			
Set 79 °F	Char. steady	Corr. 28.60 in.	0700	1300	1900
R.H. 72 %	24 hr. Mov. 210 mi.	Sea L. 29.86 in.	Clds. 10/10 stratus	Clds.	Clds.
Ppn. 0 Liq. in.	Prev. Dir. SW	3 hr. Tend. — + 2/9 mb	Wx very hazy	Wx	Wx
Ppn. - Sol. in.	Snow Depth - in.	Observer MSS	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 79°F$

$T_{d_{roof}} = 69°F$

$T_{ww} = 79°F$

$T_{d_{ww}} = 69°F$

$T_{poy} = 81°F$

$T_w = 74°F$

$\bar{T} = 84°F$

$\Sigma HDD = 0$

$CDD = 19$

$\Sigma CDD = 41$

$\Sigma PCN_e = 0.19"$

Meteorological Observatory
University Park, PA

FRIDAY, JULY 6, 1990 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 83 °F	Dir. WSW	Temp. 76 °F	• a couple of stratocu. NE • ridges hazy • TRW 1215-50 LT • TB 1210 & 1325 MOVD S • FREQ LTGICCG 1220-1250 LT
Min. 59 °F	Vel. 4 m.p.h.	Read. 28.82 in.	
Set 62 °F	Char. light	Corr. 28.68 in.	
R.H. 78 %	24 hr. Mov. 92 mi.	Sea L. 29.97 in.	
Ppn. Liq. 0.15 in.	Prev. Dir. WSW	3 hr. Tend. /+1 mb	
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx clear & sunny	Wx	Wx
Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{max} = 63°F$

$T_{d_{max}} = 56°F$

$T_{min} = N/A$

$T_{d_{min}} = N/A$

$T_{obs} = 65°F$

$T_w = 61°F$

$\bar{T} = 71°F$

$\Sigma HDD = 0$ CDD = 6

$\Sigma CDD = 47$

$\Sigma PCN_L = 0.34"$

- SONL LT61CCG 1250 - 1310 LT
- RW- 1330 - 1340 LT
- GAUGE EMPTIED @ 1350 LT = 0.15"

Sat. July 7 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 80 °F	Dir. ·ENE	Temp. 73 °F			
Min. 52 °F	Vel. 6 m.p.h.	Read. 29.06 in.			
Set 56 °F	Char. Steady	Corr. 28.93 in.	·RAMOS: 81, 53		
R.H. 67 %	24 hr. Mov. 55 mi.	Sea L. 30.28 in.	0700 Clds. 4/10 Altocum 4/10 cirrus	1300 Clds.	1900 Clds.
Ppn. Liq. 0 in.	Prev. Dir. NNE	3 hr. Tend. +2 / mb	Wx ·M sunny	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{Adj} = 57$ $\bar{T} = 66$ $\Sigma_{PCN_L} = 0.34"$

$T_W = 51$ $HDD = 0$

$T_d = 46$ $\Sigma_{HDD} = 0$

$CDD = 1$

$\Sigma_{CDD} =$ [redacted]
48

Sunday, July 8, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 77 °F	Dir. —	Temp. 74 °F	• Some altocumulus E • BKNOVC E • rained ount to ~ 60° • rained hi ~ 79°		
Min. 56 °F	Vel. — m.p.h.	Read. 29.03 in.			
Set 64 °F	Char. calm	Corr. 28.90 in.			
R.H. 70 %	24 hr. Mov. 30 mi.	Sea L. 30.19 in.	0700 Clds. -ovc • stratus	1300 Clds.	1900 Clds.
Ppn. Liq. 0 in.	Prev. Dir. none	3 hr. Tend. — 0 mb	Wx foggy	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Vis. 4 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 64°F$

$T_d = 54°F$

$\Sigma HDD = 0$

$CDD = 2$

$\Sigma CDD = 50$

$\Sigma PCW = 0.34"$

$T_{avg} = 66°F$

$T_w = 60°F$

$T = 67°F$

MONDAY, JULY 9, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 81 °F	Dir. WSW	Temp. 79 °F	• cumulus OVHD giving way to stratus ALODS • nice crepuscular rays E • some altocumulus NW rained ovnt lo: 68°F		
Min. 64 °F	Vel. 4 m.p.h.	Read. 28.85 in.			
Set 73 °F	Char. varying 0-8	Corr. 28.71 in.	0700	1300	1900
R.H. 71 %	24 hr. Mov. 104 mi.	Sea L. 29.99 in.	Clds. 7/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. ∨ 0 mb	Wx foggy	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Vis. 3 V 5 mi.	Vis. mi.	Vis. mi.

$T_{ref} = 73°F$

$T_d = 63°F$

$T_{pay} = 76°F$

$T_w = 69°F$

$\bar{T} = 73°F$

$\Sigma HDD = 0$ CDD = 8

$\Sigma CDD = 58$

$\Sigma PCN = 0.34"$

TUES. JULY 10, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 90 °F	Dir. NNE	Temp. 76 °F	CU OVR RIDGES, ALTOCU OVHD + THIN CI TRW 1410-25 LT PK WND TRW - 1425-40 69 mph TRW/TRW - 1505-1620 1410 LT RW - 1620-1745 (over)		
Min. 67 °F	Vel. 3 m.p.h.	Read. 28.88 in.			
Set 71 °F	Char. light	Corr. 28.74 in.	0700	1300	1900
R.H. 72 %	24 hr. Mov. 54 mi.	Sea L. 30.03 in.	Clds. 8/10	Clds.	Clds.
Ppn. Liq. .21 in.	Prev. Dir. SW	3 hr. Tend. /+1.2 mb	Wx MSTLY CLDY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 6 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 74$ $T_W = 67.5$ $T_d = 64.5$

$T_{d\,RAWS} = 65$

$T_{d\,UNV} = NA$

$\overline{T} = 79$

$DD_C = 14$ $\Sigma_{DD_C} = 72$

$\Sigma_{DD_H} = 0$

$\Sigma_{PPN} = 0.55"$

STORM REPORT:

LTGICCCCBG
BGOMN 1330 LT

OCNL LTGICCG
1525 - 1620 LT
and
1650 - 1740 LT

Wed., July 11, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 78 °F	Dir. N	Temp. 71 °F	• RW- 1350-1445 LT (ocnl MDT) • R- 0400-obs (ocnl R) • few cbatocumulus visible
Min. 61 °F	Vel. 6 m.p.h.	Read. 28.93 in.	
Set 61 °F	Char. varying 4-10	Corr. 28.81 in.	
R.H. 90 %	24 hr. Mov. 24 mi.	Sea L. 30.12 in.	
Ppn. Liq. 0.46 in.	Prev. Dir. SW	3 hr. Tend. F+1½ mb	
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. -X	Clds.	Clds.
Wx R-F	Wx	Wx
Vis. 1 mi.	Vis. mi.	Vis. mi.

T_{roof} = 61°F

T_{dew} = 58°F

$\Sigma HDD = 0$

$\Sigma CDD = 77$

$CDD = 5$

$\Sigma PCN = 1.01"$

$T_{unw} = NA$

$\bar{T} = 70°F$

THURS., JULY 12, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 63 °F **	Dir. ESE	Temp. 70 °F	ALL TIMES LOCAL: R- 0615 - 1115 (ocnl R) RW- 1250 - 1300 R 2330 - 0140 (ocnl R+) RW- 0215 - 0315 (ocnl MOD) 0425 - 0435 ; 0650 - 0715		(over) **
Min. 59 °F	Vel. 4 m.p.h.	Read. 28.78 in.			
Set 61 °F	Char. varying 0-8	Corr. 28.66 in.	0700	1300	1900
R.H. 90 %	24 hr. Mov. 33 mi.	Sea L. 29.96 in.	Clds. OVC	Clds.	Clds.
Ppn. Liq. 0.79 in.	Prev. Dir. E	3 hr. Tend. \ -½ mb	Wx R-F	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	Vis. 2V4 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 60°F$

$T_{d_{roof}} = 57°F$

$T_{PCY} = 61°F$

$T_{MRY} = 60°F$

$\bar{T} = 61°F$
(BRRR!)

** record min max
(old 64°: 1971, 86)

HDD = 4

ΣHDD = 4

ΣCDD = 77

ΣPCN = 1.80"

. Stratocu. + nimbostrat
. R- 0730 - obs

* precip off & on all night with most noteworthy events listed

FRIDAY, JULY 13, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 63* °F	Dir. ENE	Temp. 69 °F	• stratocumulus and scud * breaks record min max of 70° set in 1905 & tied in 1919 • R- obs - 2100 LT (ocnl R) • R- 0215 - 0700 LT, 13th (ocnl R)		
Min. 56 °F	Vel. 5 m.p.h.	Read. 28.99 in.			
Set 56 °F	Char. varying 2-10	Corr. 28.87 in.	0700	1300	1900
R.H. 90 %	24 hr. Mov. 60 mi.	Sea L. 30.18 in.	Clds. OVC	Clds.	Clds.
Ppn. Liq. 1.14 in.	Prev. Dir. NE	3 hr. Tend. / +1½ mb	Wx fog	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	Vis. 2 V 5 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 56^{\circ}F$

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

HDD = 5

$\Sigma HDD = 9$

$\Sigma CDD = 77$

$\Sigma PCN = 2.94''$

$T_{psy} = 57^{\circ}F$

$T_{wet} = 55^{\circ}F$

$\bar{T} = 60^{\circ}F$

** breaks record precip of 0.99 set just last year (1989)

Sat. July 14 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 61 * °F	Dir. E to SE	Temp. 69 °F	• Ridge tops obscured by low cloud base. • * 3rd Consecutive Min Max (old: 71°, 1903 1926 1928) • Rain fall, spotty, mod AM – eve • Ramos: 60, 56
Min. 56 °F	Vel. 2-10 m.p.h.	Read. 28.93 in.	
Set 60 °F	Char. Variable	Corr. 28.81 in.	

0700	1300	1900
Clds. 10/10 STRATUS	Clds.	Clds.
Wx • OVC • DRIZZLY	Wx	Wx
Vis. 8 mi.	Vis. mi.	Vis. mi.

R.H.	24 hr. Mov.	Sea L.
90 %	67 mi.	30.13 in.
Ppn. Liq. .10 in.	Prev. Dir. E	3 hr. Tend. ±0 — mb
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JcK

$T_{mof} = 64$ $\bar{T} = 59$ $\Sigma_{Pcp} = 3.04''$

$T_w = 62$ $HDD = 6$

$T_d = 61$ $\Sigma_{HDD} = 15$

$CDD = 0$

$\Sigma_{CDD} = 77$

SUNDAY, JULY 15, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 72 °F	Dir. S	Temp. 70 °F	• temperatures generally rose overnite • RAWS dipped to 70° for ovnt to (07Z) • lonely BKNOVC 5		
Min. 60 °F	Vel. 9 m.p.h.	Read. 28.75 in.			
Set 71 °F	Char. steady	Corr. 28.63 in.			
R.H. 79 %	24 hr. Mov. 74 mi.	Sea L. 29.93 in.	0700	1300	1900
Ppn. Liq. 0.01 in.	Prev. Dir. E	3 hr. Tend. -0 mb	Clds. OVC • stratocum • stratus	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Wx L-F	Wx	Wx
			Vis. 2 v 5 mi.	Vis. mi.	Vis. mi.

$T_{max} = 72°F$
$T_d = 65°F$

$CDD = 1$
$\Sigma CDD = 78$

$\Sigma HDD = 15$

$\Sigma PCN = 3.05"$

$T_{avg} = 78°F$
$T_w = 74°F$
} valid?

$F = 66°F$

- L- 1845 - 1900 (est)
- Trace L @ obs

MONDAY, JULY 16, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 79 °F	Dir. SW	Temp. 76 °F	• RW- 0835-0855 LT • INTERMITTENT RW- EARLY TO MID-AFTERNOON • RW 1800-1845 (OCNL RW+) • SOME THUNDER WITH LAST RW • GAUGE EMPTIED @ 2000 LT: 0.23" (OVER)		
Min. 59 °F	Vel. 4 m.p.h.	Read. 29.02 in.			
Set 62 °F	Char. unsteady	Corr. 28.88 in.			
			0700	1300	1900
R.H. 84 %	24 hr. Mov. 83 mi.	Sea L. 30.18 in.	Clds. some cirrus -X	Clds.	Clds.
Ppn. Liq. 0.23" in.	Prev. Dir. SSW	3 hr. Tend. /+1.8 mb	Wx foggy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 62°F$

$T_d = 57°F$

$\bar{T} = 69°F$

$T_{psy} = 68°F$

$T_w = 65°F$ } valid?

CDD = 4

$\Sigma CDD = 82$

$\Sigma HDD = 15$

$\Sigma PCN = 3.28"$

- Sun causing extreme glare to E

TUES. JULY 17, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 79 °F	Dir. SW	Temp. 78 °F			
Min. 61 °F	Vel. 2 m.p.h.	Read. 29.17 in.			
Set 64 °F	Char. light	Corr. 29.03 in.			
			0700	1300	1900
R.H. 79 %	24 hr. Mov. 97 mi.	Sea L. 30.36 in.	Clds. 5/10 Altocu	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. /+1.2 mb	Wx HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 8 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 64$ $T_w = 60$ $T_d = 57.5$

$T_{d\ (max)} = 57$

$T_{d\ (min)} = NA$

$\bar{T} = 70$

$DD_C = 5$ $\Sigma_{DD_C} = 87$

$\Sigma_{DD_H} = 15$

$\Sigma_{ppn.} = 3.28"$

WEDNESDAY, JULY 18, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 86 °F	Dir. SW	Temp. 77 °F	• Cirrus approaching from N
Min. 63 °F	Vel. 7 m.p.h.	Read. 29.11 in.	
Set 66 °F	Char. varying 2-10	Corr. 28.97 in.	
R.H. 78 %	24 hr. Mov. 79 mi.	Sea L. 30.27 in.	
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. +0.8 mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. 1/10 cirrus	Clds.	Clds.
Wx hazy	Wx	Wx
Vis. 3 V 5 mi.	Vis. mi.	Vis. mi.

$T_{mof} = 66°F$

$T_d = 59°F$

$T_w = 62°F$

$\bar{T} = 75°F$

$CDD = 10$

$\Sigma CDD = 97$

$\Sigma HDD = 15$

$\Sigma PCN = 3.28"$

THURSDAY, JULY 19, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 87 °F	Dir. SW	Temp. 71 °F	· sun visible through haze		
Min. 63 °F	Vel. 2 m.p.h.	Read. 29.04 in.			
Set 67 °F	Char. light	Corr. 28.92 in.	0700	1300	1900
R.H. 78 %	24 hr. Mov. 68 mi.	Sea L. 30.23 in.	Clds. -X some cirrus	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. /+2 mb	Wx haze	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 66^{\circ}F$

$T_d = 59^{\circ}F$

$CDD = 10$

$\Sigma CDD = 107$

$\Sigma HDD = 15$

$T_w = 63^{\circ}F$

$\Sigma PCN = 3.28"$

$T = 75^{\circ}F$

Friday, July 20, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 89 °F	Dir. S	Temp. 70 °F	• A near carbon copy of yesterday morning		
Min. 65 °F	Vel. 4 m.p.h.	Read. 28.89 in.			
Set 68 °F	Char. light	Corr. 28.77 in.	0700	1300	1900
R.H. 79 %	24 hr. Mov. 76 mi.	Sea L. 30.08 in.	Clds. -X few cirrus	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. - 0 mb	Wx haze	Wx	Wx
Ppn. Sol. - in.	Snow Depth - in.	Observer MSS	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 68°F$

$T_d = 61°F$

$T_w = 64°F$

$\bar{T} = 77°F$

$CDD = 12$ ~~14~~

$\Sigma CDD = 119$ ~~121~~

$\Sigma HDD = 15$

$\Sigma PCN = 3.28"$

Sat. July 21 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 85 °F	Dir. SW	Temp. 72 °F	• RW- 1610 - 1615 • TB 1620 • TRW+ 1625 - 1650 FREQ LTG IC CG • RW- 1650 - OCCNL LTG IC CG • GAUGE MEASURED 1740 = .36		
Min. 67 °F	Vel. 0 - 3 m.p.h.	Read. 28.80 in.			
Set 68 °F	Char. • Light • Variable	Corr. 28.67 in.			
R.H. 100 %	24 hr. Mov. NA mi.	Sea L. 29.96 in.	0700 Clds. 10/10 STRATOCUM	1300 Clds.	1900 Clds.
Ppn. Liq. .52 in.	Prev. Dir. NA	3 hr. Tend. ±0 — mb	Wx • OVC • FOG • RW-	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 1 1/2 mi.	Vis. mi.	Vis. mi.

$T_{Roof} = 72$ $\quad \bar{T} = 76$ $\quad \Sigma PCN_d = 3.80''$

$T_w = 72$ $\quad HDD = 0$

$T_d = 72$ $\quad \Sigma HDD = 15$

$CDD = 11$

$\Sigma CDD = 130$

- MOLD SHOWERS CONT.
- RAMOS OUT - ORDER M of 1625 LT. (IN ITS DONT THROWS IT WENT TO All LOWER CASE)

Sun. July 22 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 73 °F	Dir. —	Temp. 70 °F	• RW OBS - 0920 LT • RW - 1200 LT - 1220 LT • occasional sprinkles Rest of Day. • Amos still fixed		
Min. 65 °F	Vel. 0 m.p.h.	Read. 28.79 in.			
Set 66 °F	Char. Calm	Corr. 28.67 in.			
R.H. 100 %	24 hr. Mov. NA mi.	Sea L. 29.97 in.	0700 Clds. X	1300 Clds.	1900 Clds.
Ppn. Liq. .09 in.	Prev. Dir. NA	3 hr. Tend. + ½ ✓ mb	Wx • Fog	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. ½ mi.	Vis. mi.	Vis. mi.

$T_{Ref} = 70$ $\bar{T} = 69$ $\Sigma PLN_L = 3.89"$

$T_w = 70$ $HDD = 0$

$T_d = 70$ $\Sigma_{HDD} = 15$

$CDD = 4$

$\Sigma_{CDD} = 134$

MON JULY 23, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 81 °F	Dir. SW	Temp. 72 °F	LOW T YESTERDAY'S SET T OVRNT LO ≈ 71 BRIEF RW- 1900 LT, 22ND 0759 LT, 23RD (MAYBE AN OVRNT SPRINKLE)		
Min. 66 °F	Vel. 10 m.p.h.	Read. 28.65 in.			
Set 71 °F	Char. GUSTS TO 16	Corr. 28.52 in.	0700	1300	1900
R.H. 92 %	24 hr. Mov. NA mi.	Sea L. 29.81 in.	Clds. 10/10	Clds.	Clds.
Ppn. Liq. .01 in.	Prev. Dir. NA	3 hr. Tend. +.5 mb	Wx RW--	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 73$ $T_W = 70$ $T_d = 68.5$

$T_{d\ UNV} = 66$ $T_{d\ [illegible]} = 65$

$\bar{T} = 74$

$DD_c = 9$ $\Sigma_{DD_c} = 143$

$\Sigma_{DD_c} = 15$

$\Sigma_{PPN.} = 3.90''$

Tuesday, July 24, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 73 °F	Dir. SW	Temp. 78 °F	• "Textbook" altocumulus ALQDS • Some altostratus Distant W • Brief RW-- at obs, 23rd		
Min. 57 °F	Vel. 2 m.p.h.	Read. 28.92 in.			
Set 61 °F	Char. light	Corr. 28.78 in.	0700	1300	1900
R.H. 87 %	24 hr. Mov. 79 mi.	Sea L. 30.06 in.	Clds. 7/10	Clds.	Clds.
Ppn. Liq. 0.01 in.	Prev. Dir. W	3 hr. Tend. / +1 mb	Wx partly sunny	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	Vis. 10 mi.	Vis. mi.	Vis. mi.

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

$T_{dmmos} = 55^{\circ}F$

$T_{w} = 57.5^{\circ}F$

$T_{dpsy} = 56^{\circ}F$

$\bar{T} = 65^{\circ}F$

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

$T_{dunv} = 55^{\circ}F$

$\Sigma CDD = 143$ $\Sigma HDD = 15$

NO DEGREE DAYS

$\Sigma PCN = 3.91"$

Wednesday, July 25, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 82 °F	Dir. WSW	Temp. 71 °F	- Few altocumulus SW - NW		
Min. 58 °F	Vel. 2 m.p.h.	Read. 29.02 in.			
Set 61 °F	Char. very light	Corr. 28.89 in.	0700	1300	1900
R.H. 87 %	24 hr. Mov. 26 mi.	Sea L. 30.20 in.	Clds. CLR	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. / +1½ mb	Wx light fog & haze	Wx	Wx
Ppn. Sol. — in.	Snow Depth - in.	Observer MSS	Vis. 5 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 62°F$

$T_{d_{morn}} = 56°F$

$T_{d_{psy}} = 58°F$

$T_w = 59.5°F$

$CDD = 5$

$\Sigma CDD = 148$

$\Sigma HDD = 15$

$\Sigma PCN = 3.91''$

$F = 70°F$

$T_{env} = 61°F$

$T_{d_{env}} = 58°F$

Thursday, July 26, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 83 °F	Dir. NE	Temp. 71 °F	• sun w/ fog causing strong glare E		
Min. 58 °F	Vel. 4 m.p.h.	Read. 29.13 in.			
Set 62 °F	Char. light	Corr. 29.01 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. 27 mi.	Sea L. 30.34 in.	Clds. CLR	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. / +1½ mb	Wx FOGGY	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Vis. 3 v 5 mi.	Vis. mi.	Vis. mi.

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

$T_{d\,ramos} = 55^{\circ}F$

$T_w = 60^{\circ}F$

$T_{d\,wet} = 57.5^{\circ}F$

$\bar{T} = 71^{\circ}F$

$CDD = 6$

$\Sigma CDD = 154$

$\Sigma HDD = 15$

$\Sigma PCN = 3.91"$

Meteorological Observatory
University Park, PA

FRIDAY, JULY 27, 1990 — 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 83 °F	Dir. E	Temp. 72 °F	-few thin cirrus ovhd
Min. 62 °F	Vel. 4 m.p.h.	Read. 29.10 in.	
Set 66 °F	Char. light	Corr. 28.97 in.	-temps ovnt 60's 63°F
R.H. 70 %	24 hr. Mov. 34 mi.	Sea L. 30.28 in.	
Ppn. 0 Liq. in.	Prev. Dir. N	3 hr. Tend. /+½ mb	
Ppn. — Sol. in.	Snow Depth — in.	Observer MSS	

0700	1300	1900
Clds. CLR	Clds.	Clds.
Wx foggy	Wx	Wx
Vis. 6 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 68°F$ $T_w = 62°F$

$T_{d_{range}} = 58°F$ $T_{d_{pw}} = 58.5°F$

CDD = 8

$\Sigma CDD = 162$ $\Sigma HDD = 15$

$T = 73°F$

$\Sigma PCN = 3.91"$

Sat July 28 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 86 °F	Dir. ENE	Temp. 76 °F	• Main Fog to the east along bases of Ridge and Mt Nittany		
Min. 63 °F	Vel. 3 m.p.h.	Read. 29.05 in.			
Set 67 °F	Char. Light	Corr. 28.91 in.	• Ramos: 87, 63		
			0700	1300	1900
R.H. 87 %	24 hr. Mov. 32 mi.	Sea L. 30.22 in.	Clds. 9/10 Cirrus	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. +1 / mb	Wx • M sunny • Fog - Haze	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 8 mi.	Vis. mi.	Vis. mi.

$T_{Roof} = 72$ $\quad F = 75$ $\quad \Sigma PCN_L = 3.91"$

$T_w = 69$ $\quad HDD = 0$

$T_L = 68$ $\quad \Sigma_{HDD} = 15$

$CDD = 10$

$\Sigma_{CDD} = [redacted]172$

Sunday, July 29, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 87 °F	Dir. ENE	Temp. 72 °F	* foggy in all areas, but especially thick E, along with lower clouds		
Min. 63 °F	Vel. 4 m.p.h.	Read. 28.96 in.			
Set 65 °F	Char. light	Corr. 28.83 in.	0700	1300	1900
R.H. 90 %	24 hr. Mov. 27 mi.	Sea L. 30.13 in.	Clds. 9/10 nimbostratus	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. E	3 hr. Tend. ↗ +1/2 mb	Wx fog	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	Vis. 2 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 65°F$

$T_{drains} = 59°F$

CDD = 10

$\sum$CDD = 182

$\sum$HDD = 15

$T_w = 63°F$

$\sum$PCN = 3.91"

$T_d = 62°F$

$\bar{T} = 75°F$

MONDAY, JULY 30, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 89 °F	Dir. —	Temp. 72 °F	• CLR OVHD • Strong glare E		
Min. 65 °F	Vel. — m.p.h.	Read. 28.82 in.			
Set 69 °F	Char. Calm	Corr. 28.69 in.	rained overnt lo = 66°F		
R.H. 81 %	24 hr. Mov. 30 mi.	Sea L. 29.98 in.	0700 Clds. X Some stratocu.	1300 Clds.	1900 Clds.
Ppn. Liq. 0 in.	Prev. Dir. ENE	3 hr. Tend. 0 — mb	Wx FOG	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth — in.	Observer MSS	Vis. 2 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 70°$

$T_{drums} = 63°$

$T_{dpsy} = 65.5°F$

$T_{wb} = 67°F$

$\bar{T} = 77°F$

$COD = 12$

$\Sigma COD = 194$

$\Sigma HDD = 15$

$\Sigma PCN = 3.91''$

TUES. JULY 31, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 86 °F	Dir. WSW	Temp. 73 °F	RW- c. 0700, 313T		
Min. 68 °F	Vel. 7 m.p.h.	Read. 28.70 in.			
Set 70 °F	Char. STDY	Corr. 28.57 in.			
R.H. 86 %	24 hr. Mov. 75.4 mi.	Sea L. 29.86 in.	0700	1300	1900
Ppn. Liq. T in.	Prev. Dir. S	3 hr. Tend. +.75 mb	Clds. 10/10 V	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Wx OVC/OO	Wx	Wx
			Vis. 5 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 70$ $T_w = 67$ $T_d = 65.5$

$T_{d\ rooms} = 64$

$\bar{T} = 77$

$DD_c = 12$

$\Sigma DD_c = 206$ $\Sigma DD_H = 15$

$\Sigma\ ppn. = 3.91"$

SUNDAY, JULY 1, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 82 °F	Dir. W	Temp. 79 °F	· stratocu. E & NNW, more rolling in from W · clouds moving rapidly · FREQ LTGCC 2000 - 0100, 1ST		
Min. 63 °F	Vel. 5 m.p.h.	Read. 28.78 in.			
Set 66 °F	Char. varying 0-10	Corr. 28.64 in.			
R.H. 78 %	24 hr. Mov. 98 mi.	Sea L. 29.91 in.	0700	1300	1900
Ppn. Liq. 0.16 in.	Prev. Dir. WSW	3 hr. Tend. + 3/4 mb	Clds. 4/10 stratocum.	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Wx fog & haze	Wx	Wx
			Vis. 1 V 4 mi.	Vis. mi.	Vis. mi.

$T_{ramos} = 65°F$

$T_{d_{ramos}} = 59°F$

$T_{cuna} = 67°F$

$T_{d_{cuna}} = 60°F$

$T_{psy} = 68°F$

$T_{wet} = 64°F$

$\bar{T} = 73°F$

HDD = 0

CDD = 8

$\Sigma CDD = 8$

$\Sigma PCN = 0.16$

TRW 2000 - 2045 LT

RW- 2100 - 2105 LT

TRW- 2330 - 2345 LT