Wed. May 1, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 76 °F	Dir. SW	Temp. 72 °F	RW -- 0730 - 0915 LT
Min. 50 °F	Vel. 3 m.p.h.	Read. 28.77 in.	
Set 55 °F	Char. Steady	Corr. 28.64 in.	
R.H. 52 %	24 hr. Mov. 125.6 mi.	Sea L. 29.97 in.	
Ppn. Liq. T in.	Prev. Dir. SSW	3 hr. Tend. L -0.1 mb	
Ppn. Sol. - in.	Snow Depth - in.	Observer ESP	

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

$\bar{x}_{prof}$: 63

$\bar{x}_{prof1}$: 53

$\bar{x}_{prof2}$: 45

$\bar{x}$: 63

H_{00}: 2

$\sum H_{0j}$: 2

$\sum C_{0j}$: 0

$\sum_{0 \leq n}$: T

THURSDAY, MAY 2, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 80 °F	Dir. W	Temp. 72 °F	• Some virga E • RW- 1750 - 1845 LT - some clmam - LTGIC distant NW - NE [NO THUNDER HEARD] - frequent gusts >50 mph 1700-1800 LT - frntpa/prsjmp 1710 LT
Min. 48 °F	Vel. 12 m.p.h.	Read. 28.74 in.	
Set 51 °F	Char. G20	Corr. 28.61 in.	

R.H.	24 hr. Mov.	Sea L.	0700	1300	1900
63 %	164 mi.	29.90 in.	Clds. Cu 7/10 Sc	Clds.	Clds.
Ppn. Liq. 0.01 in.	Prev. Dir. S → W	3 hr. Tend. ⌐ +1 mb	Wx partly Sunny	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 49$

$T_{drywall} = 28$

$T_{wall} = 50$

$T_{dwall} = 38$

$\bar{T} = 64$

$HDD = 1$

$\Sigma HDD = 3$

$\Sigma CDD = 0$

$\Sigma PCN_L = 0.01"$

Fri. May 3 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. NNW	Temp. 74 °F	• A few of Sprinkle at 0725 LT and at 0755 LT. WAS NOT Sprinkling during obs.		
Min. 43 °F	Vel. 7-12 m.p.h.	Read. 28.82 in.			
Set 43 °F	Char. Variable	Corr. 28.69 in.	0700	1300	1900
R.H. 58 %	24 hr. Mov. 196 mi.	Sea L. 30.05 in.	Clds. 7/10 Stratocumulus	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +3/ mb	Wx • A few clouds • windy (W)	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 45 (sw) v. 30 (NW) mi.	Vis. mi.	Vis. mi.

$T_{Adj} = 46$ $\quad F = 50$ $\quad \Sigma_{PLN_1} = .01''$

$T_{\perp} = 40$ $\quad HDD = 15$ $\quad \Sigma_{PLN_2} = 0''$

$T_{\angle} = 32$ $\quad \Sigma_{HDD} = 18$

$CDD = 0$

$\Sigma_{CDD} = 0$

Sat. May 4, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 61 °F	Dir. –	Temp. 74 °F			
Min. 36 °F	Vel. 0 m.p.h.	Read. 28.95 in.			
Set 42 °F	Char. Calm	Corr. 28.82 in.			
			0700	1300	1900
R.H. 68 %	24 hr. Mov. 112.4 mi.	Sea L. 30.20 in.	Clds. 3/10	Clds.	Clds.
Ppn. – Liq. in.	Prev. Dir. W	3 hr. Tend. +2 mb	Wx Mst Clr	Wx	Wx
Ppn. – Sol. in.	Snow Depth – in.	Observer SC	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{MW} = 43$

$T_{DMW} = 30$

$T_A = 43$

$T_{DA} = 30$

$\bar{T} = 48$

$HDD = 17$

$\Sigma HDD = 35$

$\Sigma CDD = 0$

$\Sigma PCN_L = .01$

$\Sigma PCN_S = 0$

SUN. MAY 5, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 68 °F	Dir. —	Temp. 74 °F	LENTIC. ALTOCU E		
Min. 42 °F	Vel. 0 m.p.h.	Read. 29.01 in.			
Set 46 °F	Char. CALM	Corr. 28.88 in.	OVRNT LO = 43		
R.H. 57 %	24 hr. Mov. 32.3 mi.	Sea L. 30.24 in.	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. /+1.0 mb	Clds. 2/10	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Wx MSTLY CLR	Wx	Wx
			Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 48$ $T_w = 42$ $T_d = 33.5$

$T_{d\ ramos} = 33$

$T_{d\ unv} = 38$

$\bar{T} = 55$

$H_{DD} = 10$ $\Sigma_{H_{DD}} = 45$

$\Sigma_{pen.} = .01"$

Monday, May 6, 1991 — 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 73 °F	Dir. W	Temp. 71 °F	RW - 2230 - 2245, 5th 0045 - 0100, 6th
Min. 46 °F	Vel. 6 m.p.h.	Read. 28.77 in.	R - 0720 - obs
Set 58 °F	Char. Steady	Corr. 28.65 in.	overnite low = 57

	0700	1300	1900
R.H. 93 % / 24 hr. Mov. 123 mi. / Sea L. 29.94 in.	Clds. 10/10 Ns	Clds.	Clds.
Ppn. Liq. 0.07 in. / Prev. Dir. SSE / 3 hr. Tend. ⌣ +1/3 mb	Wx R-F	Wx	Wx
Ppn. Sol. — in. / Snow Depth — in. / Observer MSS	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 57$

$T_{d\,roof} = 51$

$HDD = 5$

$\Sigma HDD = 50$

$\Sigma CDD = 0$

$\Sigma PCN_L = 0.08"$

$T_{conv} = 58$

$T_{d\,conv} = 56$

$\bar{T} = 60$

TUES. MAY 7, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. W	Temp. 74 °F	R - (OCNL R) 0855 - 1000 LT (.13")
Min. 45 °F	Vel. 18 m.p.h.	Read. 28.97 in.	TRW + 1455 - 1500 LTGICCG
Set 47 °F	Char. VAR	Corr. 28.84 in.	TRW - 1500 - 1520
R.H. 54 %	24 hr. Mov. 113.4 mi.	Sea L. 30.21 in.	TRW + 1550 - 1555 PK WND 60 PRSTMP 2.5mb
Ppn. Liq. 0.73 in.	Prev. Dir. W	3 hr. Tend. +2 mb	TRW - 1555 - 1740 LT LTGICCG
Ppn. Sol. — in.	Snow Depth — in.	Observer SC	

0700	1300	1900
Clds. 8/10	Clds.	Clds.
Wx Mst Cldy	Wx	Wx
Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{UW} = 47$

$T_{DW} = 33$

$T_R = 46$

$T_{RL} = 28$

$\bar{T} = 57$

$H_{DD} = 8$

$\Sigma H_{DD} = 58$

$\Sigma C_{DD} = 0$

$\Sigma PCN_L = 0.81"$

WED. MAY 8, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 58 °F	Dir. —	Temp. 75 °F	MUTED SUNDOG		
Min. 40 °F	Vel. 0 m.p.h.	Read. 29.20 in.			
Set 47 °F	Char. CALM	Corr. 29.06 in.	0700	1300	1900
R.H. 63 %	24 hr. Mov. 110.4 mi.	Sea L. 30.43 in.	Clds. 5/10 ci	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +2.0 mb	Wx Ptly Sunny	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer LAM	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 48$ $T_w = 47.5$ $T_d = 36$

$T_{d\,range} = 35$

$T_{d\,um} = 39$

$\bar{T} = 49$

$H_{DD} = 16$ $\Sigma_{H_{DD}} = 74$

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

$\Sigma_{P_{CN.}} = 0.81"$

THURSDAY, MAY 9, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 70 °F	Dir. –	Temp. 69 °F	R-- 0600- obs pcpn very light few wave clouds imbedded in AS OVRNT LO ≃ 49		
Min. 47 °F	Vel. 0 m.p.h.	Read. 29.19 in.			
Set 50 °F	Char. calm	Corr. 29.07 in.	0700	1300	1900
R.H. 86 %	24 hr. Mov. 80 mi.	Sea L. 30.38 in.	Clds. 10/10 AS	Clds.	Clds.
Ppn. Liq. 0.01 in.	Prev. Dir. W	3 hr. Tend. / +1½ mb	Wx R-	Wx	Wx
Ppn. Sol. – in.	Snow Depth – in.	Observer MSS	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{conv} = 49$

$T_{d_{conv}} = 45$

$HDD = 6$

$\Sigma HDD = 80$

$\Sigma CDD = 0$

$\Sigma PCN_L = 0.82"$

$T_{roof} = 49$

$T_{d_{roof}} = 39$

$\bar{T} = 59$

Fri. May 10 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 62 °F	Dir. SW	Temp. 68 °F	• Fog thicker along Ridge base south + down valley to SW • R- obs - 1100 LT, 9th • ¼ mi vis. hlfg 0550 LT - 0710 LT
Min. 49 °F	Vel. 2 m.p.h.	Read. 29.10 in.	
Set 53 °F	Char. Very light	Corr. 28.98 in.	
R.H. 93 %	24 hr. Mov. 51 mi.	Sea L. 30.33 in.	
Ppn. .03 Liq. in.	Prev. Dir. SW	3 hr. Tend. +1 mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JCK	

0700	1300	1900
Clds. 4/10 stratus	Clds.	Clds.
Wx • Hzy • Fog, thicker	Wx	Wx
Vis. 2 v. 3 v. 2 mi.	Vis. mi.	Vis. mi.

$T_{Roof} = 58$ $\quad \bar{T} = 56$ $\quad \Sigma P_{CN_1} = 0.85"$

$T_w = 57$ $\quad HDD = 9$ $\quad \Sigma P_{CN_2} = 0"$

$T_l = 56$ $\quad \Sigma_{HDD} = 89$

$CDD = 0$

$\Sigma_{CDD} = 0$

SAT. MAY 11, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 75 °F	Dir. —	Temp. 69 °F	STRATOCU OVR TUSSEY RDG. FROM DISPTG FOG		
Min. 48 °F	Vel. 0 m.p.h.	Read. 29.15 in.			
Set 52 °F	Char. CALM	Corr. 29.03 in.	0700	1300	1900
R.H. 70 %	24 hr. Mov. 469 mi.	Sea L. 30.39 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NNE	3 hr. Tend. /+1.0 mb	Wx HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 4V10 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 55$ $T_W = 50$ $T_d = 45.5$

$T_{d\ RMW} = 41$*

$T_{d\ UNV} = 45$

$\bar{T} = 62$

$H_{DD} = 3$ $\varepsilon_{HDD} = 92$

$\varepsilon_{PPN} = 0.85$''

* 10 min. earlier was 46 !!

SUN. MAY 12, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 79 °F	Dir. SW	Temp. 74 °F	OVRNT LO = 54		
Min. 52 °F	Vel. 6 m.p.h.	Read. 28.89 in.			
Set. 60 °F	Char. STDY	Corr. 28.76 in.	0700	1300	1900
R.H. 64 %	24 hr. Mov. 67.9 mi.	Sea L. 30.09 in.	Clds. CIRCU 1/10 E	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. ^ +0 mb	Wx HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 61$ $T_W = 54$ $T_d = 48.5$

$T_{d\,RANGE} = 46$

$T_{d\,MW} = 51$

$\bar{T} = 66$

$C_{DD} = 1$ $\varepsilon_{C_{DD}} = 1$

$\varepsilon_{H\,DD} = 92$

$\varepsilon_{PPN} = 0.85''$

MON MAY 13, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 84 °F	Dir. SW	Temp. 72 °F	1° SHY of REC. MAX T FOR DATE		
Min. 60 °F	Vel. 4 m.p.h.	Read. 28.79 in.			
Set 67 °F	Char. STDY	Corr. 28.66 in.	0700	1300	1900
R.H. 76 %	24 hr. Mov. 111.6 mi.	Sea L. 29.99 in.	Clds. 7/10 ALTOCU	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. /+1.0 mb	Wx HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 6 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 67$ $T_w = 62$ $T_d = 59$

$T_{d\ RAMS} = 57$

$T_{d\ NWS} = 62$

$\overline{T} = 72$

$C_{DD} = 7$ $\Sigma_{C_{DD}} = 8$

$\Sigma_{HDD} = 92$

$\Sigma_{PPN.} = 0.85''$

Tuesday May 14, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 84 °F	Dir. SW	Temp. 70 °F	T 1430 LT TRW- LT6/CCG 1445 LT RE50 TRW- 1500 LT / TRW+ 1615-30 LT TRW- 1530- 1630 LT / FRT LT6/CCCG RW- 1815-30 LT / PK WND 34@25
Min. 61 °F	Vel. 4 m.p.h.	Read. 28.69 in.	
Set 63 °F	Char. STDY	Corr. 28.57 in.	

0700	1300	1900
Clds. 8/10	Clds.	Clds.
Wx HAZY	Wx	Wx
Vis. 4x8 mi.	Vis. mi.	Vis. mi.

R.H. 84 %	24 hr. Mov. 59.6 mi.	Sea L. 29.88 in.			
Ppn. Liq. 0.21 in.	Prev. Dir. SW	3 hr. Tend. +1.0 mb			
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB			

$T_{roof} = 63.0°F$ / $T_W = 60°F$ / $Td = 58$

$Td_{RAMOS} = 56$

$Td_{UNV} = 61$

$\overline{T} = 73$

$C_{DD} = 8$

$\Sigma C_{DD} = 16$

$\Sigma H_{DD} = 92$

$\Sigma PPN. = 1.06"$

GENL OBS (CONT.)
OCNLT
1930-45 LT
T°↓18 DEG. W./TRW

Wed. May 15, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 85 °F	Dir. NNE	Temp. 71 °F	1740 LT RW- 1800-1820 TRW- LTGICG 1820-1830 TRW 1/4" HAIL (PEA SIZED) (ΔT= 10° IN TRW)		
Min. 57 °F	Vel. 6 m.p.h.	Read. 28.84 in.			
Set 63 °F	Char. GUSTY	Corr. 28.72 in.	0700	1300	1900
R.H. 84 %	24 hr. Mov. 647 mi.	Sea L. 3004 in.	Clds. 9/10	Clds.	Clds.
Ppn. Liq. 0.31 in.	Prev. Dir. W	3 hr. Tend. +3.0 mb	Wx HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	Vis. 4x6 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 63^\circ$ / $T_W = 60^\circ$

$Td = 60$ 58

$Td_{RAMOS} = 54$

$Td_{UNV} = 57$

($T_{UNV} = 61^\circ$)

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

$C_{>>} = 6$

$\Sigma C_{>>} = 22$ $\quad \Sigma APN. = 1.37''$

$\Sigma H_{>>} = 92$

THURS., MAY 16, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 84 °F	Dir. —	Temp. 71 °F	Strong glare E		
Min. 57 °F	Vel. 0 m.p.h.	Read. 28.94 in.			
Set 59 °F	Char. calm	Corr. 28.82 in.			
R.H. 70 %	24 hr. Mov. 26 mi.	Sea L. 30.12 in.	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. ENE	3 hr. Tend. / +1 mb	Clds. 7/10 Ci	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer MSS	Wx haze	Wx	Wx
			Vis. 4 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 64$

$T_w = 58$

$T_d = 54$

$T_{uuv} = 59$

$T_{duv} = 54$

$\bar{T} = 72$

$CDD = 7$

$\Sigma CDD = 29$

$\Sigma HDD = 92$

$\Sigma PCN = 1.37"$

Friday May 17, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 85 °F	Dir. SW	Temp. 71 °F	-SUN USBL. BINOVC OVHD. W/ CIRRUS BILLOWS (ELSE ALTOCUMULUS)
Min. 59 °F	Vel. 6 m.p.h.	Read. 28.77 in.	
Set 66 °F	Char. 6 TO 10	Corr. 28.66 in.	
R.H. 53 %	24 hr. Mov. 138.5 mi.	Sea L. 29.96 in.	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. L 0.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPBJ.	

	0700	1300	1900
Clds.	8/10 Aca	Clds.	Clds.
Wx	OVC	Wx	Wx
Vis.	6 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 73$

$T_w = 64$

$Td = 55$

$T_{MAV} = 66°$

$Td_{MAV} = 55°$

$\bar{T} = 72$

$CDD = 7$ $\quad \Sigma$ PCN. $= 1.37"$

$\Sigma CDD = 36$

$\Sigma HDD = 92$

Saturday May 18, 1996 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 80 °F	Dir. NE	Temp. 73 °F	RW 1940-2005 LT FROPA APPROX 32. PRESSR		
Min. 51 °F	Vel. 14 m.p.h.	Read. 29.06 in.			
Set 52 °F	Char. GTO 79	Corr. 28.92 in.	0700	1300	1900
R.H. 83 %	24 hr. Mov. 123.1 mi.	Sea L. 30.28 in.	Clds. 4/10 AC	Clds.	Clds.
Ppn. Liq. .06 in.	Prev. Dir. SW	3 hr. Tend. +3.0 mb	Wx MSTLY CLR.	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 55^\circ$ $T_d = 47^\circ$

$T_w = 50^\circ$ $(DP = 5)$

$\bar{T} = 66$

$CDD = 1$

$\Sigma_{CDD} = 37$

$\Sigma_{HDD} = 92$ $\Sigma_{PCN} = 1.43$

$T_{unv} = 52$

$T_{d\,unv} = 45$

$(RH = 77\%)$

Sunday, May 19, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 68 °F	Dir. SSW	Temp. 70 °F	B/NOVC—SUN DIMLY VSBL C/G→E9 R- 0500-0620 LT (est.)		
Min. 51 °F	Vel. 5 m.p.h.	Read. 29.24 in.			
Set. 52 °F	Char. STDY	Corr. 29.12 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. 75.7 mi.	Sea L. 30.09 in.	Clds. 9/10 Ac	Clds.	Clds.
Ppn. Liq. .05 in.	Prev. Dir. NE	3 hr. Tend. +2.0 mb	Wx OVC	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	Vis. 2 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 51$ } $DP = 3$
$T_W = 48$

$T_d = 45°$

$T_{UNV} = 53$

$Td_{UNV} = 48$

$Td_{RAMOS} = 42°$

$H_{DP} = 5$

$\Sigma H_{DP} = 97$

$\Sigma C_{DP} = 37$

$\Sigma PPM. = 1.48''$

$(\bar{T} = 60)$

Monday May 20, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 59 °F	Dir. SSE	Temp. 72 °F	PATCHY DENSE FOG 10Z-1130Z (MON.) RW- 1200-1230Z (SUN.)
Min. 42 °F	Vel. 2 m.p.h.	Read. 29.24 in.	
Set 46 °F	Char. VRY LGT.	Corr. 29.11 in.	
R.H. 80 %	24 hr. Mov. 42.6 mi.	Sea L. 30.50 in.	
Ppn. Liq. T in.	Prev. Dir. S	3 hr. Tend. +0.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	

	0700	1300	1900
Clds.	1/10 Ci	Clds.	Clds.
Wx	MSTLY. SUNNY	Wx	Wx
Vis.	2 1/2 V.4 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 52$ 48

$T_{w\,roof} = 49$ 45

[DD = 3°] $T_d = 42$

$T_{MIN} = 43°$

$Td_{MIN} = 43°$ (1145Z)

$Td_{RAMOS} = 39°$

$\bar{T} = 51$

$\sum H_{DD}$ (HEATING) $= 14$

$\sum C_{DD} = 37$ $\sum H_{DD} = 111$ $\sum PCN = 1.48$

TUES MAY 21 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 71 °F	Dir. SSW	Temp. 70 °F	crepuscular rays E overnight low: 48		
Min. 46 °F	Vel. 2 m.p.h.	Read. 29.13 in.			
Set 52 °F	Char. Wimpy	Corr. 29.01 in.	0700	1300	1900
R.H. 69 %	24 hr. Mov. 81 mi.	Sea L. 30.37 in.	Clds. 10/10 U	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. / +1.0 mb	Wx BINOVC	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer LAM	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{ROOF} = 52$ $T_w = 47$ $T_d = 42$

$\bar{T} = 59$

$T_{d\ rooms} = 39$

$T_{d\ unv} = [redacted]43$

$H_{DD} = 6$

$\Sigma H_{DD} = 117$

$\Sigma C_{DD} = 37$

$\Sigma_{pen} = 1.48''$

Wednesday May 22, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 80 °F	Dir. WSW	Temp. 71 °F	OVNGT. LO = 60° MIN. IS SET FOR AVG. DAY
Min. 52 °F	Vel. 2 m.p.h.	Read. 29.04 in.	
Set 63 °F	Char. VRY LGT.	Corr. 28.92 in.	
R.H. 84 %	24 hr. Mov. 58.1 mi.	Sea L. 30.24 in.	
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. +1.0 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	

0700	1300	1900
Clds. 4/10 Cu	Clds.	Clds.
Wx MOSTLY SUNNY	Wx	Wx
Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 70\,65$

$T_w = 67\ 62$

$\bar{T} = 66$

$C_{DD} = 1$

$\sum C_{DD} = 38$

$\sum H_{DD} = 117$

$T_d = 62\ 60$

$T_{d\,RAMOS} = 54$

$T_{d\,UNV} = 59$

$\sum \rho_{GN.} = 1.48''$

Thursday May 23 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 84 °F	Dir. —	Temp. 78 °F	few cirrus		
Min. 55 °F	Vel. 0 m.p.h.	Read. 29.07 in.			
Set 61 °F	Char. Calm	Corr. 28.93 in.	0700	1300	1900
R.H. 65 %	24 hr. Mov. 34.5 mi.	Sea L. 30.26 in.	Clds. 1/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +3.0 mb	Wx Hazy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer LAM	Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_D - 51$

$T_{D\,NMOS} - 49°$

$T_{D\,INV} - 55°$

$T_{roof} - 63$

$\frac{T_{IN}}{T} - 56$

$T - 69 \quad C_{DD} - 4$

$\Sigma P_{CN} = 1.48''$

$\Sigma C_{DD} = 42$

$\Sigma H_{DD} = 117$

FRI. MAY 24, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 84 °F	Dir. WSW	Temp. 73 °F	OVRNT LO = 67 HAZY SUNDOG 0745 LT @ ~ 0600 LT RW NORTH (WALMART → HOUSEVILLE)		
Min. 61 °F	Vel. 3 m.p.h.	Read. 28.99 in.			
Set 70 °F	Char. light	Corr. 28.86 in.	0700	1300	1900
R.H. 73 %	24 hr. Mov. 59.8 mi.	Sea L. 30.17 in.	Clds. 8/10 ci cu	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. /+0.5 mb	Wx HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 8 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 71$ $T_w = 65$ $T_d = 62$

$T_{dmax} = 58$

$T_{dmin} = 64$

$F = 73$

$C_{DD} = 8$

$\Sigma_{CDD} = 50$

$\Sigma_{HDD} = 117$

$\Sigma_{ppn} = 1.48''$

Sat. May 25, 1991

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 83 °F	Dir. WSW	Temp. 73 °F	RW-- ~ 1440 LT TRW-~ 1530-1540 LT TRW-~ 1540-1550 LT FQT LIGHTG RW-(LOCAL RW) 1550-1610 LT RW to ~ 1659 LT.
Min. * 66 °F	Vel. 8 m.p.h.	Read. 28.89 in.	* Record Max. Min. (PEAK = 63, 1977)
Set 69 °F	Char. MODERATE	Corr. 28.76 in.	

0700	1300	1900
Clds. 8/10	Clds.	Clds.
Wx Hazy	Wx	Wx
Vis. 8 mi.	Vis. mi.	Vis. mi.

R.H.	24 hr. Mov.	Sea L.	3 hr. Tend.
90 %	722 mi.	30.07 in.	F +1.0 mb

Ppn. Liq.	Prev. Dir.	Ppn. Sol.	Snow Depth	Observer
.14 in.	SW	0 in.	0 in.	LAM

$T_{roof} = 69$ $T_{D\,nMOS} = 60$ $T_{D\,UNV} = 67$

$T_W = 67$ $T_D = 66$

$T = 75$

$C_{DD} = 10$

$\Sigma_{CDD} = 60$

$\Sigma_{ODD} = 117$

$\Sigma_{PPN} = 1.62''$

Sunday May 26, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 85 °F	Dir. NE	Temp. 73 °F	L- ~0810LT-0830 RW- ~1636 LT		
Min. 65 °F	Vel. 3 m.p.h.	Read. 28.91 in.			
Set 68 °F	Char. light	Corr. 28.78 in.	0700	1300	1900
R.H. 87 %	24 hr. Mov. 465 mi.	Sea L. 30.09 in.	Clds. 5/10 ci	Clds.	Clds.
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. ↓ +1.9mb	Wx HAZ	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer LAM	Vis. 5 mi.	Vis. mi.	Vis. mi.

$T_{mb} = 70$
$T_N = 67$

$T_D = 66$
$T_{D\ UNIV} = 66$
$T_{D\ ramos} = 60$

$\bar{T} = 75$
$C_{DD} = 10$
$\Sigma_{CDD} = 70$
$\Sigma_{HDD} = 117$
$\Sigma_{PPN} = 1.62''$

Monday May 27 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 87 °F	Dir. SSW	Temp. 73 °F	OVRNT LO ≈ 71		
Min. 68 °F	Vel. 10 m.p.h.	Read. 28.88 in.			
Set 73 °F	Char. light	Corr. 28.75 in.	0700	1300	1900
R.H. 79 %	24 hr. Mov. 110.1 mi.	Sea L. 30.05 in.	Clds. 5/10 Ci	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. — +1.0 mb	Wx Hazy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer LAM	Vis. 6 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 74$ $T_{D\,ramos} = 60$

$T_W = 69$ $T_D = 67$

$T_{D\,UNV} = 68$

$\overline{T} = 78$

$C_{DD} = 12$

$\Sigma_{CDD} = 82$

$\Sigma_{HDD} = 117$

Σ_{PPN} 1.62"

Tuesday May 28 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 85 °F	Dir. NW	Temp. 73 °F	RW- ~1623 [Rain heavier NE]		
Min. * 67 °F	Vel. 4 m.p.h.	Read. 28.91 in.	* Tied a max min		
Set 71 °F	Char. light	Corr. 28.78 in.	Windshift from SW to NW during obs		
R.H. 76 %	24 hr. Mov. 59.6 mi.	Sea L. 30.09 in.	0700	1300	1900
Ppn. T Liq. in.	Prev. Dir. SW	3 hr. Tend. +1.0 mb	Clds. Strato-cu 7/10	Clds.	Clds.
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer LAM	Wx Hazy	Wx	Wx
			Vis. 5 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 70$

$T_W = 65$

$\overline{T} = 76$

$C_{DD} = 11$

$\Sigma_{CDD} = 94$

$\Sigma_{HDD} = 117$

$\Sigma_{PPN} = 1.62^{4}$

$T_{Dramos} = 59$

$T_D = 62$

$T_{D\,VNV} = 65$

Wednesday May 29, 1996

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 86 °F	Dir. —	Temp. 73 °F	*TIED A MAX. MIN. SET IN 1935 (65°)
Min. 65 °F	Vel. 0 m.p.h.	Read. 28.93 in.	
Set 68 °F	Char. CALM	Corr. 28.80 in.	
R.H. 84 %	24 hr. Mov. 63.1 mi.	Sea L. 30.11 in.	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. 1705 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	

	0700	1300	1900
Clds.	10/10 OVC	Clds.	Clds.
Wx	FOG/HAZE	Wx	Wx
Vis.	1 1/4 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 69$

$T_w = 65$

$\bar{T} = 77$

$C_{PP} = 12$

$\sum C_{PP} = 106$

$\sum H_{PP} = 117$

$\sum ppN. = 1.62''$

$T_{D\ RAMOS} = 60$

$T_D = 63$

$T_{D\ UNV} = 64$ @ 2002

Thurs. May 30, 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 90 °F	Dir. —	Temp. 75 °F	TRW - N1720 LT * RECORD MAX MIN FOR DATE (PREV. 67) **RAMOS IS DOWN REL HUMIDITY DERIVED FROM UNV OBS		
Min. 68* °F	Vel. 0 m.p.h.	Read. 28.72 in.			
Set 70 °F	Char. CALM	Corr. 28.59 in.	0700	1300	1900
R.H. 87** %	24 hr. Mov. (NA) mi.	Sea L. 29.87 in.	Clds. 8/10	Clds.	Clds.
Ppn. Liq. .02 in.	Prev. Dir. (NA)	3 hr. Tend. \0.5 mb	Wx VERY HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer LAM	Vis. 3 mi.	Vis. mi.	Vis. mi.

$T_{UNV} = 71$ $T_{W_{DED\ ROOF}} = 3$

$T_{D\ UNV} = 67$

$\overline{T} = 79$

$C_{DD} = 14$

$\Sigma C_{DD} = 120$

$\Sigma H_{DD} = 117$

$\Sigma_{PPN} = 1.64''$

Friday May 31 1991 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 87 °F	Dir. W	Temp. 74 °F	• Av. 1855-1930 (It was a welcome Rel. q.)
Min. 70* °F	Vel. 5-9 m.p.h.	Read. 28.66 in.	* Record minimum, old: '29, '42
Set 71 °F	Char. slightly variable	Corr. 28.53 in.	

0700	1300	1900
Clds. 9/ • Cirrus • Cumulus 10 • Altocum	Clds.	Clds.
Wx • Hazy Sun	Wx	Wx
Vis. 12 mi.	Vis. mi.	Vis. mi.

R.H. 81 %	24 hr. Mov. 111 mi.	Sea L. 29.82 in.	
Ppn. Liq. .02 in.	Prev. Dir. WSW	3 hr. Tend. +1½ mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer Jck	

$T_{roof} = 71$ $\quad \bar{T} = 79$ $\quad \Sigma PRN_1 = 1.68"$

$T_w = 67$ $\quad MDD = 0$ $\quad \Sigma PRN_2 = 0"$

$T_L = 65$ $\quad \Sigma MDD = 117$

$CDD = 14$

$\Sigma CDD = 134$