

SAT. July 1, 1989 0700 EST

Meteorological
University Park, Pa.
General Obs.

Temp.		Wind		Barom.				
Max.	80 °F	Dir.	WSW	Temp.	78°			
Min.	50 °F	Vel.	3 m.p.h.	Read.	28.92			
Set	55 °F	Char.	Light	Corr.	28.78	0700	1300	1900
R. H.	78 %	24 hr. Mov.	29 mi.	Sea L.	30.11	Clds.	Clds.	Clds.
Ppn.	0 in.	Prev. Dir.	NNE	3 hr. Tend.	+1 /	Wx	Wx	Wx
Ppn.	0 in.	Snow Depth	0 in.	Observer	JCK	Vis.	Vis.	Vis.
						W3		
						- SUN		
						- CIRRUS		
						17 mi.		

$$T_{\text{roof}} = 60 \quad \bar{T} = 65 \quad \sum P_{LN} = 0$$

$$T_w = 56 \quad H_{DD} = 0$$

$$T_d = 53 \quad \sum H_{DD} = 370$$

$$C_{DD} = 0$$

$$\sum C_{DD} = 1030$$

SUN. JULY 2, 1989

0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

Temp.		Wind		Barom.		General Obs.		
Max.	84 °F	Dir.	—	Temp.	81!			
Min.	55 °F	Vel.	0 m.p.h.	Read.	28.88			
Set	61 °F	Char.	calm	Corr.	28.73	0700	1300	1900
R. H.	79 %	24 hr. Mov.	NA	Sea L.	30.12	Clds.	Clds.	Clds.
Ppn.	0 in.	Prev. Dir.	S	3 hr. Tend.	+1.0mb	Wx	Wx	Wx
Ppn.	0 in.	Snow Depth	0 in.	Observer	JHM	Vis.	Vis.	Vis.
						3 V 8		

$$T_{\text{out}} = 67.5 \quad T_w = 63 \quad T_d = 61$$

$$T_{d \text{ rms}} = 49$$

$$T_{d \text{ unv}} = 58$$

$$\bar{T} = 70$$

$$CDD = 5$$

$$\sum DD_c = 5$$

$$\sum PCN = 0$$

MON. JULY 3, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	86 °F	Dir.	—	Temp.	83		
Min.	60 °F	Vel.	0 m.p.h.	Read.	28.86		
Set	62 °F	Char.	calm	Corr.	28.71		
R. H.	76 %	24 hr. Mov.	37.4 mi.	Sea L.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	SSW	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	Wx	Wx	Wx
				JHM	5/10 ci		
					FOG + HAZE		
					Vis.	Vis.	Vis.
					1 V 3		

$$T_{mf} = 67 \quad T_w = 62 \quad T_d = 59$$

$$T_{d \text{ unv}} = 60$$

$$T_{d \text{ vados}} = 49$$

$$\bar{T} = 73$$

$$DD_c = 8$$

$$\sum DD = 13$$

TUES. JULY 4, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 83 °F		Dir. —	Temp. 75	• RAIN FELL OVERNIGHT SOMETIME AFTER 2400 LT • RAIN OVERNIGHT - 68		
Min. 62 °F		Vel. 0 m.p.h.	Read. 28.82			
Set 67 °F		Char. CALM	Corr. 28.68			
				0700	1300	1900
R. H. 90 %		24 hr. Mov. NA	Sea L. 29.98	Clds. 10/10	Clds.	Clds.
Ppn. Liq. .01 in.		Prev. Dir. NA	3 hr. Tend. + 1/2	Wx • ALTOSTRATUS • HAZE	Wx	Wx
Ppn. Sol. 0 in.		Snow Depth 0 in.	Observer JLK	Vis. 5 mi.	Vis.	Vis.

$$T_{roof} = 70 \quad \bar{T} = 73 \quad \sum PCN = .01''$$

$$T_w = 68 \quad HDD = 0$$

$$T_d = 67 \quad \sum HDD = 0$$

$$CDD = 8$$

$$\sum CDD = 21$$

Wed. July 5, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	79 °F	Dir.	SW	Temp.	72	* RAIN ALMOST CONTINUOUSLY FROM 1550 IT THROUGH OBS TIME (R and R -) * Record precip. for date		
Min.	62 °F	Vel.	3 m.p.h.	Read.	28.86			
Set	63 °F	Char.	LIGHT	Corr.	28.73			
R. H.	100 %	24 hr. Mov.	NA	Sea L.	30.04	Clds.	10/10	
Ppn.	Liq. 1.29* in.	Prev. Dir.	NA	3 hr. Tend.	+1 /	Wx	2--	
Ppn.	Sol. 0 in.	Snow Depth	0 in.	Observer	JLK	Vis.	2 mi.	
						0700	1300	1900
						Clds.	Clds.	Clds.
						Wx	Wx	Wx
						Vis.	Vis.	Vis.

$$T_{roof} = 67 \quad \bar{T} = 71 \quad \sum PCN = 1.30''$$

$$T_w = 67 \quad HDD = 0$$

$$T_d = 67 \quad \sum HDD = 0$$

$$CDD = 6$$

$$\sum CDD = 27$$

Thur. July 6, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	71 °F	Dir.	82	BRIGHT SPOTS IN OVC OVHD OCNL. L- AM 5th OCNL R- 1400-1900 LT, 5th		
Min.	63 °F	Vel.	28.92			
Set	64 °F	Char.	28.77			
R. H.	90 %	24 hr. Mov.	30.14	0700	1300	1900
Ppn.	.21 in.	Prev. Dir.	+0.5 mb	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	JHM	Wx	Wx	Wx
				Vis.	Vis.	Vis.

$$T_{roof} = 68 \quad T_w = 66 \quad T_d = 65$$

$$T_{down} = 63$$

$$T_{rooms} = 54$$

$$\bar{T} = 67$$

$$DD_c = 2$$

$$\sum DD_c = 29$$

$$\sum PCN = 1.51''$$

Fri. July 7 1989

0700 EST

Meteorological Observatory
University Park, Pa.

General Obs.

Temp.		Wind		Barom.		General Obs.		
Max.	83 °F	Dir.	SSW	Temp.	74 °			
Min.	64 °F	Vel.	2-6 m.p.h.	Read.	28.80			
Set	66 °F	Char.	VAR.	Corr.	28.67			
R. H.	90 %	24 hr. Mov.	63 mi.	Sea L.	29.96	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	SW	3 hr. Tend.	$\frac{1}{2}$ ✓	Clds. FEW 0/10 cu.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	JCK	Wx - HAZE - Fog - Fog Grounds	Wx	Wx
				Observer	JCK	Vis. 5 mi.	Vis.	Vis.

$$T_{\text{roof}} = 72 \quad \bar{T} = 74 \quad \sum P_{\text{cN}} = 1.51''$$

$$T_w = 70 \quad \text{HDD} = 0$$

$$T_d = 69 \quad \sum \text{HDD} = 0$$

$$\text{CDD} = 9$$

$$\sum \text{CDD} = 38$$

SAT. July 8, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	86 °F	Dir.	NE	Temp.	72	T from TRW - c. 1900 LT VRY STRONG TRWS SW of S.C. (Athens, Huntington) GREAT MAMMATUS @ SUNSET		
Min.	63 °F	Vel.	6 m.p.h.	Read.	28.78			
Set	63 °F	Char.	light.	Corr.	28.65			
R. H.	68 %	24 hr. Mov.	87 mi.	Sea L.	29.95	Clds. 0700	Clds. 1300	Clds. 1900
Ppn.	T in.	Prev. Dir.	W	3 hr. Tend.	+1 1/2 ↓	Clds. FFW 0/10 cu.		
Ppn.	0 in.	Snow Depth	0 in.	Observer	JCK	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						12 mi.		

$$T_{roof} = 68 \quad \bar{T} = 75 \quad \Sigma PCN = 1.51''$$

$$T_w = 61 \quad HAD = 0$$

$$T_d = 57 \quad \Sigma HAD = 0$$

$$CAD = 10$$

$$\Sigma CAD = 48$$

SUN. JULY 9, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	82 °F	Dir.	-	Temp.	70	OBS. TAKEN AT 1245Z CLCS W-SW QUADS		
Min.	56 °F	Vel.	- m.p.h.	Read.	28.87			
Set	64 °F	Char.	CALM	Corr.	28.75			
R. H.	81 %	24 hr. Mov.	51.7 mb	Sea L.	30.07	0700	1300	1900
						Clds.	Ci	Clds.
							2/10 Cs	
Ppn.	0 in.	Prev. Dir.	N	3 hr. Tend.	+0.346r	Wx	-	Wx
Ppn.	0 in.	Sol.	- in.	Snow Depth	- in.	Observer	FJG	Vis.
								25 mi
						Vis.		Vis.

$$T_d = 58$$

(UNV)

$$\bar{T} = 69$$

$$\sum PCV = 1.51''$$

$$H_{DD} = 0$$

$$\sum H_{DD} = 0$$

$$C_{DD} = 4$$

$$\sum C_{DD} = 52$$

$$T_{\text{ROOF}} = 74 \quad T_w = 71.5 \quad T_o = 70.5 \quad T_{\text{DOWN}} = 65$$

$$\bar{T} = 75$$

$$HDD = 0$$

$$CDD = 10$$

$$\sum_{HDD} = 0$$

$$\sum_{CDD} = 62$$

$$\sum_{PCU} : 1.51''$$

TUES. JULY 11, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	88 °F	Dir.	NE	Temp.	71°	• CB MAM ~ 2045 LT		
Min.	69 °F	Vel.	4 m.p.h.	Read.	28.74			
Set	71 °F	Char.	STDY.	Corr.	28.62	• RAMOS OUNT. ~ 74°		
R. H.	74 %	24 hr. Mov.	198 mi.	Sea L.	29.90	0700	1300	1900
						Clds	Clds.	Clds.
						1/10		
Ppn.	0 in.	Prev. Dir.	W	3 hr. Tend.	+1 1/2 f	Wx	Wx	Wx
						SUN		
						• SOME H2.		
Ppn.	0 in.	Snow Depth	0 in.	Observer	JCK	Vis.	Vis.	Vis.
						8 mi. W		
						LESS E		

$$T_{\text{roof}} = 75 \quad \bar{T} = 79 \quad \sum PCN = 1.51''$$

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

$$T_d = 66 \quad \sum HDD = 0$$

$$CDD = 14$$

$$\sum CDD = 76$$

WED. JULY 12, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	89 °F	Dir.	SW	Temp.	70°		
Min.	63 °F	Vel.	5 m.p.h.	Read.	28.80		
Set	63 °F	Char.	stdy	Corr.	28.68		
R. H.	76 %	24 hr. Mov.	72 mi.	Sea L.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	WNW	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	9/10		
					Wx	Wx	Wx
					SKN CIRRS ALTOCUM		
					Vis.	Vis.	Vis.
					15 mi.		

$$T_{\text{roof}} = 67 \quad T = 76 \quad \Sigma P_{\text{LN}} = 1.51''$$

$$T_w = 62 \quad \text{HDD} = 0$$

$$T_d = 59 \quad \Sigma \text{HDD} = 0$$

$$\text{CDD} = 11$$

$$\Sigma \text{CDD} = 87$$

THUR. JULY 13, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	76 °F	Dir. NE	Temp. 73	INTERMITTENT R-- B 1730 Loc. R-, OCNL. R OVRNT (MAX 0200-0400 loc.)		
Min.	56 °F	Vel. 5 m.p.h.	Read. 28.64			
Set	57 °F	Char. STDY	Corr. 28.51			
R. H.	93 %	24 hr. Mov. 39.1 mi	Sea L. 29.85	0700	1300	1900
Ppn. Liq.	0.99 in.	Prev. Dir. N	3 hr. Tend. -3mb ~	Clds. 10/10	Clds.	Clds.
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer JHM	Wx R-F	Wx	Wx
				Vis. 3/4 mi.	Vis.	Vis.

$$T_{\text{roof}} = 59 \quad T_d = 57$$

$$\bar{T} = 66$$

$$DD_c = 1$$

$$\sum DD_c = 88 \quad \sum H_{DO} = 0$$

$$\sum p_{cN} = 2,50''$$

Fri. July 14, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

General Obs.

Temp.		Wind		Barom.		Rain fell overnight, 8 (over) most during 8 and 9z about .1" is carry- over from rain at 0800 LT to ~ 1100 LT yesterday A.M.					
Max.	77 °F	Dir.	NE	Temp.	70°						
Min.	54 °F	Vel.	4 m.p.h.	Read.	28.63						
Set	56 °F	Char.	STBY	Corr.	28.51						
R. H.	90 %	24 hr. Mov.	31 mi.	Sea L.	29.83	Clds.	1/10	Clds.		Clds.	
Ppn.	.43 in.	Prev. Dir.	N	3 hr. Tend.	+1	Wx	SUNNY	Wx		Wx	
Ppn.	0 in.	Snow Depth	0 in.	Observer	JCK	Vis.	17 mi.	Vis.		Vis.	

$T_{\text{surf}} = 61$ $\bar{T} = 66$ $\Sigma P_{\text{CN}} = 2.93''$

$T_w = 59$ $HDD = 0$

$T_d = 58$ $\Sigma HDD = 0$

$CDD = 1$

$\Sigma CDD = 89$

RB ~ 0330 LT, 14th
tripping to R- by ~ 0530
OCNL LTGIC ~ 2200 LT → 2300 LT 13th

OBSD: ACCAS
ATOCU CASTELANNA
ON WAVE CLOUDS SOUTH

SAT. July 15 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. —	Temp. 68°	RW--N 1705-1709 LT RW--N 1920-1930 LT		
Min.	50 °F	Vel. 0 m.p.h.	Read. 28.86	ALSO RW-N BETWEEN 1530-1600 LT		
Set	54 °F	Char. CALM	Corr. 28.74	0700	1300	1900
R. H.	84 %	24 hr. Mov. 36 mi.	Sea L. 30.07	Clds. 3/10 CIRRUS	Clds.	Clds.
Ppn. Liq.	.01 in.	Prev. Dir. NW	3 hr. Tend. +1 1/2 /	Wx SUNNY	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer JCK	Vis. 15 mi.	Vis.	Vis.

$$T_{\text{roof}} = 59 \quad \bar{T} = 64 \quad \sum P_c N = 2.94''$$

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

$$T_A = 54 \quad \sum HDD = 1$$

$$CDD = 0$$

$$\sum CDD = 89$$

SUN JUL 16, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	79 °F	Dir.	E	Temp.	69°	RW- ~0145-0515		
Min.	54 °F	Vel.	4 m.p.h.	Read.	28.82			
Set	61 °F	Char.	LGT. + VAR.	Corr.	28.70			
R. H.	80 %	24 hr. Mov.	45.4 mi	Sea L.	30.02	0700	1300	1900
						Clds.	Clds.	Clds.
Ppn.	.02 in.	Prev. Dir.	SW	3 hr. Tend.	-0.1-	Wx	OVC	
Ppn.	- in.	Snow Depth	- in.	Observer	MJL	Wx		
				Observer		Vis.	3 mi	Vis.

$$T_{\text{ROE}} = 65 \quad T_N = 62 \quad T_D = 60.5$$

$$T_{\text{OINV}} = ?$$

$$\bar{T} = 67$$

$$HDD = 0 \quad COD = 2$$

$$\sum_{HDD} = 1 \quad \sum_{COD} = 91$$

$$\sum_{PCN} = 2.96''$$

MON JUL 17, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	68 °F	Dir.	N	Temp.	R-, R 0920 ~ 1345LT		
Min.	57 °F	Vel.	2 m.p.h.	Read.	RW -- 2220 ~ 2250LT		
Set	58 °F	Char.	STEADY	Corr.	RAMOS QVNT LD: 59 C. 0600LT		
R. H.	86 %	24 hr. Mov.	67.8 mi	Sea L.	0700	1300	1900
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Clds.	Clds.	Clds.	
21 in.		ENE	+1.0 ✓	7/10			
Ppn.	Sol.	Snow Depth	Observer	Wx	Wx	Wx	
— in.		— in.	MJL	PARTLY CLOUDY			
				Vis.	Vis.	Vis.	
				4 mi			

$$T_{\text{ROOF}} = 63 \quad T_w = 60 \quad T_o = 58 \quad T_{\text{OUNV}} = 55$$

$$\bar{T} = 63$$

$$\text{CDD} = 0 \quad \text{HDD} = 2$$

$$\sum_{\text{CDD}} = 91 \quad \sum_{\text{HDD}} = 3$$

$$\sum_{\text{PCN}} : 3.17''$$

TUE. JUL 18, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir. SE	Temp. 68°			
Min.	56 °F	Vel. - m.p.h.	Read. 28.85			
Set	59 °F	Char. CALM	Corr. 28.73	RAMOS OVNT 10: 59 C. 0630CT		
R. H.	85 %	24 hr. Mov. 22.4 mi	Sea L. 30.06	0700	1300	1900
Ppn.	Liq. - in.	Prev. Dir. S	3 hr. Tend. +1.0 ✓	Clds. Ci 19/10	Clds.	Clds.
Ppn.	Sol. - in.	Snow Depth - in.	Observer MJL	Wx -OVC	Wx	Wx
				Vis. 2 mi FH	Vis.	Vis.

$$T_{\text{ROOF}} = 64 \quad T_w = 61 \quad T_o = 59 \quad T_{\text{DOWN}} = 56$$

$$\bar{T} = 69$$

$$H_{00} = 0$$

$$C_{00} = 4$$

$$\sum H_{00} = 3$$

$$\sum C_{00} = 95$$

$$\sum_{PCW} : 3.17''$$

Wed. July 19 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.						
Max.	82 °F	Dir.	—	Temp.	RAMOS OVNT = 63°						
Min.	58 °F	Vel.	0 m.p.h.	Read.				28.73			
Set	63 °F	Char.	CALM	Corr.				28.61			
R. H.	81 %	24 hr. Mov.	80 mi.	Sea L.	29.91	0700		1300		1900	
						Clds.	9/ALTOcum.	Clds.		Clds.	
Ppn.	0 in.	Prev. Dir.	S	3 hr. Tend.	-1 ✓	Wx	Fog/Haze	Wx		Wx	
Ppn.	0 in.	Sol.	0 in.	Snow Depth	0 in.	Observer	JKK	Vis.	5 mi.	Vis.	

$$T_{\text{roof}} = 68 \quad \bar{T} = 70 \quad \Sigma P_e N = 3.17''$$

$$T_w = 64 \quad HDD = 0$$

$$T_d = 62 \quad \Sigma HDD = 3$$

$$CDD = 5$$

$$\Sigma CDD = 100$$

THU JULY 20, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. SE	Temp. 70°	RW-- 1715-1925 (OCNL RW-) TRW 1925-2050LT (OCNL RW-)		
Min.	63 °F	Vel. 3 m.p.h.	Read. 28.56	RW-, RW 2050-0240LT RW- 0435-0445LT		
Set	64 °F	Char. LGT. 9 VAR	Corr. 28.44	LOW (ALMOST TO GRD.) STATUS ALSO		
R. H.	95 %	24 hr. Mov. N/A	Sea L. 29.7	0700 Clds. ST, 19/10 CS, NS	1300 Clds.	1900 Clds.
Ppn.	Liq. 1.53 in.	Prev. Dir. SE	3 hr. Tend. +0.8 ✓	Wx OVC	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer MJL	Vis. 5 mi	Vis.	Vis.

$$T_{\text{ROCF}} = 68.5 \quad T_w = 67.5 \quad T_D = 67 \quad T_{\text{OUNV}} = 64$$

$$\bar{T} = 73$$

$$HDD = 0$$

$$CDD = 8$$

$$\sum_{HDD} = 3$$

$$\sum_{CDD} = 108$$

$$\sum_{PCN} = 4.70''$$

Fri. July 21 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	80 °F	Dir. E	Temp. 70°	<ul style="list-style-type: none"> • THUNDER ~ 1730 LT • TRW ~ 1800 LT THEN RW ~ FROM 1820-1845 LT • RW ~ 2040 LT - ? • JOHN KELLY REPORTED 1/4" HAIL NB. HAZARD FROM 1806 LT. • REC. WX REPORTED 6:55 PM @ 750 		
Min.	63 °F	Vel. 4 m.p.h.	Read. 28.78			
Set	64 °F	Char. stry.	Corr. 28.66			
R. H.	97 %	24 hr. Mov. 37 mi.	Sea L. 29.96	0700 Clds. STRAT 10/10 ST. CUM	1300 Clds.	1900 Clds.
Ppn. Liq.	.27 in.	Prev. Dir. NNE	3 hr. Tend. +2 /	Wx fog OK	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer JCK	Vis. 2 mi.	Vis.	Vis.

$$\begin{array}{l} T_{\text{roof}} = 69 \\ T_w = 68 \\ T_d = 68 \end{array} \quad \begin{array}{l} \bar{T} = 72 \quad \Sigma P_{\text{c.w.}} = 4.97'' \\ \text{HDD} = 0 \\ \Sigma \text{HDD} = 3 \\ \text{CDD} = 7 \\ \Sigma \text{CDD} = 115 \end{array}$$

SAT. JULY 22, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	75 °F	Dir. —	Temp. 70°	• TRACE WAS L - N / 000LT		
Min.	64 °F	Vel. 0 m.p.h.	Read. 28.96			
Set	67 °F	Char. CALM	Corr. 28.84	• RAMDS OINT. = 68°		
R. H.	97 %	24 hr. Mov. 36 mi.	Sea L. 30.14	0700	1300	1900
Ppn.	Liq. T in.	Prev. Dir. E	3 hr. Tend. +1½ /	Clds. X	Clds.	Clds.
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Wx Fog	Wx	Wx
				Vis. 1½ mi.	Vis.	Vis.

$$T_{roof} = 71 \quad \bar{T} = 70 \quad \sum PCN. = 4.97''$$

$$T_w = 70 \quad HDD = 0$$

$$T_d = 70 \quad \sum HDD = 3$$

$$CDD = 5$$

$$\sum CDD = 120$$

SUN. JULY 23, 1909 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	84 °F	Dir. W.S.W	Temp. 69	- TRW ~ 1600 LT - TRW + ~ 1800 LT. H.V. RAIN FOR 15 MIN. - FOGGY AM		
Min.	63 °F	Vel. 2 m.p.h.	Read. 29.07			
Set	64 °F	Char. STDY	Corr. 28.95			
R. H.	78 %	24 hr. Mov. 28.5 mi	Sea L. 30.27	0700 Clds. OBS.	1300 Clds.	1900 Clds.
Ppn. Liq.	.42 in.	Prev. Dir. SSW	3 hr. Tend. +1mb	Wx O.C.	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer GX	Vis. 2 miles	Vis.	Vis.

$$T_r = 68$$

$$T_w = 62$$

$$T_d = 59$$

$$\bar{T} = 74$$

$$H_{DD} = 0$$

$$\Sigma H_{DD} = 3$$

$$C_{DD} = 9$$

$$\Sigma C_{DD} = 129$$

$$\Sigma P_{DD} = 5.39''$$

$$T_{\text{ROOF}} = 72 \quad T_w = 69.5 \quad T_o = 88.5 \quad T_{\text{air}} = 66$$

$$\bar{T} = 76$$

$$HDD = 0$$

$$CDD = 11$$

$$\sum HDD = 3$$

$$\sum CDD = 140$$

$$\sum PCW : 5.39''$$

TUE, JULY 25, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	90 °F	Dir. N	Temp. 70°	TSTM W OF BORO ~2000 LT - 2130 LT T HEARD AT STATION LT66CCA		
Min.	66 °F	Vel. 2 m.p.h.	Read. 29.05	RADOS QVNT LD. 69 C. 0600LT		
Set	67 °F	Char. STEADY	Corr. 28.93	0700	1300	1900
R. H.	88 %	24 hr. Mov. 33.4 mi	Sea L. 30.25	Clds. -X	Clds.	Clds.
Ppn.	Liq. — in.	Prev. Dir. E	3 hr. Tend. +0.5 ✓	Wx HAZY	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer MJL	Vis. 1 mi H	Vis.	Vis.

$$\overline{T}_{\text{ROOF}} = 73 \quad T_w = 70 \quad T_o = 69 \quad T_{\text{DUNV}} = 66$$

$$\overline{T} = 78$$

$$HDD = 0$$

$$\sum HDD = 3$$

$$CDD = 13$$

$$\sum CDD = 153$$

WED. July 26 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 90 °F		Dir. —	Temp. 71°	• LIGHTNING SEEN FROM SEEN HOUSERVILLE OFF TO THE EAST ~ 2100 LT. RAIN: EXTREMES 93°, 70°		
Min. 67 °F		Vel. 0 m.p.h.	Read. 28.98			
Set 69 °F		Char. CALM	Corr. 28.86			
R. H. 82 %		24 hr. Mov. 31 mi.	Sea L. 30.16	0700 Clds. -X	1300 Clds.	1900 Clds.
Ppn. 0 in.	Liq.	Prev. Dir. SW	3 hr. Tend. + 1/2"	Wx • HAZE • SUN	Wx	Wx
Ppn. 0 in.	Sol.	Snow Depth 0 in.	Observer JCK	Vis. 2 1/2 mi.	Vis.	Vis.

$$T_{roof} = 74 \quad \bar{T} = 79 \quad \sum PCN = 5.39''$$

$$T_w = 70 \quad HDD = 0$$

$$T_d = 68 \quad \sum HDD = 3$$

$$CDD = 14$$

$$\sum CDD = 167$$

THU. JULY 27, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	89 °F	Dir. SW NE	Temp. 71°	OCNL LTG 1715 - LT		
Min.	65 °F	Vel. 4 m.p.h.	Read. 28.84	TRW - 1742 - LT		
Set	67 °F	Char. STEADY	Corr. 28.72	RAMOS OVNLT LO: 68 c. 0700LT		
R. H.	86 %	24 hr. Mov. 33.5 mi	Sea L. 30.03	Clds 0700 X	Clds. 1300	Clds. 1900
Ppn. Liq.	.01 in.	Prev. Dir. SW	3 hr. Tend. +2 ✓	Wx OVC	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer MJL	Vis. 1½ FH	Vis.	Vis.

$$T_{\text{ROOF}} = 72 \quad T_w = 69 \quad T_o = 67.5 \quad T_{\text{DOWN}} = 65$$

$$\bar{T} = 77$$

$$\text{HDD} = 0 \quad \text{CDD} = 12$$

$$\sum_{\text{HDD}} = 3 \quad \sum_{\text{CDD}} = 189$$

$$\sum_{\text{PCW}} : 5.40''$$

Fri. July 28 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 83 °F		Dir. W	Temp. 70°	• Thunder ~ 1450 LT • RW - ~ 1635 - 1640 LT		
Min. 64 °F		Vel. 8 m.p.h.	Read. 28.62			
Set 66 °F		Char. Stoy	Corr. 28.50			
R. H. 81 %		24 hr. Mov. 81 mi.	Sea L. 29.79	0700 Clds. 10/10 Stratus	1300 Clds.	1900 Clds.
Ppn. T in.	Liq.	Prev. Dir. WSW	3 hr. Tend. + 1/2 -	Wx • OVC	Wx	Wx
Ppn. 0 in.	Sol.	Snow Depth 0 in.	Observer JCK	Vis. 5 mi.	Vis.	Vis.

$$T_{\text{roof}} = 71 \quad \bar{T} = 74 \quad \sum \text{PEN.} = 5.39''$$

$$T_w = 67 \quad \text{HDD} = 0$$

$$T_l = 65 \quad \sum \text{HDD} = 3$$

$$\text{CDD} = 9$$

$$\sum \text{CDD} = 188$$

Sat. July 29 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	84 °F	Dir.	Temp.	* A NEW RECORD MIN FOR THIS DAY. PREVIOUS WAS 51° IN 1937.		
		—	68°			
Min.	48* °F	Vel.	Read.			
		0 m.p.h.	28.85			
Set	52 °F	Char.	Corr.	0700	1300	1900
		CALM	28.73			
R. H.	90 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		71 mi.	30.07	0/10		
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0	in.	NNW	+2 ↓	CLEAR HAZE		
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.
0	in.	0 in.	JCK	7 mi.		

$$T_{roof} = 57 \quad \bar{T} = 66 \quad \sum PCN = 5.39''$$

$$T_w = 55 \quad HDD = 0$$

$$T_d = 54 \quad \sum HDD = 3$$

$$COD = 1$$

$$\sum COD = 189$$

$$T_r = 62$$

$$T_w = 57$$

$$T_d = 54$$

$$\bar{T} = 66$$

$$HDD = 0$$

$$\sum HDD = 3$$

$$CDD = 1$$

$$\sum CDD = 190$$

$$\sum PCN = 5.39''$$

MON, JULY 31, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	Dir.	Temp.	*RECORD MIN MAX (66, 1925)				
*65 °F	E	67					
Min.	Vel.	Read.	→ R = 10-11.2 T; 15-16.02 T.				
53 °F	10 m.p.h.	28.83					
Set	Char.	Corr.	0700 1300 1900				
56 °F	STDY	28.72					
R. H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.		
94 %	45.9 mi	30.12	10/10				
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx		
.07 in.	ESE	4.51	o/c				
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.		
0 in.	0 in.	GB	10 mi				

$$\begin{aligned}T_r &= 60 \\T_w &= 59 \\T_d &= 58\end{aligned}$$

$$\begin{aligned}\bar{T} &= 59 \\M_{00} &= 6 \\ \sum H_{00} &= 9 \\C_{00} &= 0 \\ \sum C_{00} &= 190\end{aligned}$$

$$\sum PCN = 5.46''$$