

WED. MAR 1, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	37 °F	Dir. W	Temp. 74	PRESRR		
Min.	16 °F	Vel. 14 m.p.h.	Read. 28.78			
Set	23 °F	Char. GUSTS TO 22 MPH	Corr. 28.65			
R. H.	48 %	24 hr. Mov. 103 mi.	Sea L. 30.08	0700 Clds. 5/10	1300 Clds.	1900 Clds.
Ppn.	0 in.	Prev. Dir. S	3 hr. Tend. +30 mb/	Wx PTLY CLOUDY	Wx	Wx
Ppn.	0 in.	Snow Depth 0 in.	Observer JHM	Vis. 30 mi.	Vis.	Vis.

$$T_{\text{RAMOS}} = 24 \quad T_{\text{d RAMOS}} = 5 \quad T_{\text{d UNV}} = 7$$

$$\bar{T} = 27$$

$$DD = 38$$

$$\sum DD = 38$$

$$\sum PN = 0$$

THURS. MAR 2, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	32 °F	Dir.	WSW	Temp.	FEW FLAKES AM, 1ST CI SOUTH, CLR NORTH			
				74				
Min.	15 °F	Vel.	3 m.p.h.	Read.				28.97
Set	16 °F	Char.	light	Corr.	28.84			
R. H.	60 %	24 hr. Mov.	197 mi.	Sea L.	29.30	0700	1300	1900
						Clds.	Clds.	Clds.
Ppn.	T in.	Prev. Dir.	W	3 hr. Tend.	+1.5mb	Wx	Wx	Wx
						PTLY CLDY		
Ppn.	T in.	Snow Depth	0 in.	Observer	JHM	Vis.	Vis.	Vis.
						25 mi.		

$$T_{RAMS} = 17 \quad T_{d RAMS} = 2 \quad T_{d UNV} = 7$$

$$\bar{T} = 24$$

$$DD = 41$$

$$\Sigma DD = 79$$

$$\Sigma PCN(2) = T$$

$$\Sigma PCN(5) = T$$

FRI. MAR 3, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 37 °F		Dir. E	Temp. 74	CIRRUS SOUTH PREVAILING OVRNT. WIND = NE VRY LST & AFTERNOON END		
Min. 16 °F		Vel. 3 m.p.h.	Read. 28.91			
Set 23 °F		Char. light	Corr. 28.78			
R. H. 74 %		24 hr. Mov. 62	Sea L. 30.21	0700 Clds. 1/10	1300 Clds.	1900 Clds.
Ppn. Liq. T in.		Prev. Dir. S	3 hr. Tend. +2.0mb/	Wx MPLY CLR	Wx	Wx
Ppn. Sol. T in.		Snow Depth 0 in.	Observer JHM	Vis. 15 mi.	Vis.	Vis.

$$T_{\text{ramos}} = 25 \quad T_{\text{ramos}} = 13 \quad T_{\text{unv}} = 18$$

$$\bar{T} = 27$$

$$DD = 38$$

$$\Sigma DD = 117$$

$$\Sigma PN(L) = T$$

$$\Sigma PN(S) = T$$

SAT. MAR. 4, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 44 °F		Dir. ESE	Temp. 74	PCPN VRY LGT		
Min. 23 °F		Vel. 3 m.p.h.	Read. 28.91			
Set 32 °F		Char. light	Corr. 28.78			
R. H. 72 %		24 hr. Mov. 70 mi.	Sea L. 30.19	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq. .02 in.		Prev. Dir. E	3 hr. Tend. +.5mb/	Wx 99	Wx	Wx
Ppn. Sol. 0 in.		Snow Depth 0 in.	Observer JHM	Vis. 7 mi.	Vis.	Vis.

$$T_{\text{RAMS}} = 33 \quad T_{\text{d RAMS}} = 20 \quad T_{\text{d unv}} = 25^* \quad \left(\begin{array}{l} \text{used} \\ \text{for} \\ \text{RH} \\ \text{calc.} \end{array} \right)$$

$$\bar{T} = 34$$

$$DD = 31$$

$$\Sigma DD = 148$$

$$\Sigma \text{RN}(L) = 0.02''$$

$$\Sigma \text{RN}(S) = T$$

SUN. MAR. 5, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	37 °F	Dir. S	Temp. 28.73	R- ~ 0830 LT 4th INTERVALS of 99 DAY+EVE, 4th		
Min.	31 °F	Vel. 3 m.p.h.	Read. 76			
Set	33 °F	Char. light	Corr. 28.59			
R. H.	89 %	24 hr. Mov. 67 mi.	Sea L. 29.99	0700 Clds. -X	1300 Clds.	1900 Clds.
Ppn. Liq.	.05 in.	Prev. Dir. S	3 hr. Tend. -2.0 mb	Wx FOG	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer JHM	Vis. 3/4 mi.	Vis.	Vis.

$$T_{\text{ramos}} = 34 \quad T_{d \text{ ramos}} = 26 \quad T_{d \text{ unv}} = 30^*$$

$$\bar{T} = 34$$

$$DD = 31$$

$$\Sigma 00 = 179$$

$$\Sigma \rho_{N(L)} = 0.07''$$

$$\Sigma \rho_{N(S)} = T$$

* used for
RH calc.

MON. MAR 6, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	41 °F	Dir. NE	Temp. 76°	PERIODS OF R, R-, L THRU DAY + EVE, 5th ZL, ZR B ~ 0100LT IP B ~ 200 ~ 400LT SB ~ 400LT		
Min.	19 °F	Vel. 15 m.p.h.	Read. 28.82			
Set	19 °F	Char. CUST TO 32 VARIABLE	Corr. 28.68			
R. H.	72 %	24 hr. Mov. —	Sea L. 30.12	0700 Clds. X	1300 Clds.	1900 Clds.
Ppn. Liq.	.79 in.	Prev. Dir. NNE	3 hr. Tend. +1.5 mb	Wx SNOW	Wx	Wx
Ppn. Sol.	1.8 in.	Snow Depth 2 in.	Observer MJL	Vis. 1/4 mi	Vis.	Vis.

$$T_{\text{ROCF}} = 20 \quad T_D = 10 \quad T_{\text{DUNV}} = 14$$

$$\bar{T} = 30$$

$$OD = 35$$

$$\sum_{DD} = 214$$

$$\sum_{PCU(L)} = .86''$$

$$\sum_{PCN(S)} = ~~1.5~~ 1.5''$$

Tues. Mar. 7, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	24 °F	Dir.	NE	Temp.	S ~ 0700 LT - 0730 LT ST ~ 0730 LT - 1100 LT (Aftn Snow) S ~ 1130 LT - 1200 LT S ~ 1230 LT - 1300 LT SW ~ 1530 LT - 1600 LT ~ 0430 LT - 0530 LT Range Over Lg: 11		
Min.	9 °F	Vel.	10 m.p.h.	Read.	29.07		
Set	9 °F	Char.	Gusting to 18	Corr.	28.84		
R. H.	52 %	24 hr. Mov.	116.7 m	Sea L.	Clds.	Clds.	Clds.
Ppn.	.54 in.	Prev. Dir.	NE	3 hr. Tend.	10/10 NS		
Ppn.	5.3 in.	Snow Depth	7 in.	Observer	Wx	Wx	Wx
					SW--		
					Vis.	Vis.	Vis.
					7 mi		

Time: 10

To use: -4

\bar{T} : 17

N_{ad} : 48

ΣV_{ad} : 262

$\Sigma A_{ad}(L)$: 1.46"

$\Sigma A_{ad}(S)$: ~~7.04~~
7.04

Heaviest snow since 11/11/87

2ft drift on roof at obs.

WED. MAR 8, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 25 °F	Dir. E	Temp. 77°	S-B ~ 0715 LT, 7TH OCNL S, SB S-E ~ 1100 LT			
Min. -1* °F	Vel. 0 m.p.h.	Read. 29.32	RAMOS OVNT LO: 2			
Set 1 °F	Char. CALM	Corr. 29.17	* NEW MIN T RECORD! OLD RECORD OF 3° IN 1986			
R. H. 62 %	24 hr. Mov. 54.7 mi	Sea L. 30.70	Clds. 0/10	Clds.	Clds.	
Ppn. Liq. .09 in.	Prev. Dir. NNE	3 hr. Tend. +1.5mb /	Wx CLEAR	Wx	Wx	
Ppn. Sol. 1.5 in.	Snow Depth 7 in.	Observer mjl	Vis. 15mi	Vis.	Vis.	

$$T_{\text{ROOF}} = 5 \quad T_0 = -5 \quad T_{\text{DOWN}} = -4$$

$$T = 13$$

$$DD = 52$$

$$\Sigma_{DD} = 314$$

$$\Sigma_{PCN(L)} : 1.49''$$

$$\Sigma_{PCN(S)} : 8.6''$$

Thurs. Mar. 9, 1929

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	34 °F	Dir.	-	Temp.	74	Valley Fog and haze all Quads		
Min.	1 * °F	Vel.	0 m.p.h.	Read.	29.30	* New Record min old record : 2 (1922)		
Set	7 °F	Char.	Calm	Corr.	29.17	Ramos Overt 40:		
R. H.	63 %	24 hr. Mov.	31.2	Sea L.	30.67 !	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	E	3 hr. Tend.	- +0.0 mb	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	5 in.	Observer	ESP	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						4/10 ci		
						-SCT		
						5 mi		

$T_{inf} : 12$

$T_0 : 2$

$T_{sup} :$

$T : 17$

$OD : 48$

$\epsilon_{00} : 362$

$\sum A_n(L) : 1.49''$

$\sum A_n(S) : 8.3$

Fri Mar. 10, 1989

0700 EST

Meteorology
University Park, Pa.
General Obs.

Temp.		Wind		Barom.				
Max.	41 °F	Dir.	ENE	Temp.	74 °			
Min.	7 °F	Vel.	4 m.p.h.	Read.	29.26			
Set	20 °F	Char.	Steady	Corr.	29.13	Rains overnight low ~ 23		
R. H.	%	24 hr. Mov.	22.6	Sea L.	30.59	0700	1300	1900
Ppn.	Liq.	Prev. Dir.	NE	3 hr. Tend.	+1.5 MB/3h.	Clds.	Clds.	Clds.
	in.					3		
						As 10		
Ppn.	Sol.	Snow Depth	3 in.	Observer	JSL	Wx	Wx	Wx
	in.					Sct		
						Vis.	Vis.	Vis.
						15		

$$T_0 = 12$$

$$\bar{T} = 24$$

$$DD = 41$$

$$\Sigma DD = 403$$

$$\Sigma PCN(L) = 1.49\%$$

$$\Sigma PCN(S) = 8.3\%$$

SAT. MAR. 11, 1989

0700 EST

Meteorological
University Park, Pa.
General Obs.

Temp.		Wind		Barom.
Max.	45 °F	Dir.	SSE	Temp.
Min.	20 °F	Vel.	1 m.p.h.	78°
Set	20 °F	Char.	V. LIGHT	Read.
R. H.	50 %	24 hr. Mov.	25.2 mi	28.95
Ppn.	0 in.	Prev. Dir.	NNE	Corr.
Ppn.	0 in.	Snow Depth	3 in.	28.81
				Sea L.
				30.26
				3 hr. Tend.
				-0.8 in.
				Observer
				MJL

FEW ST, N, NE, E
LT. FOG SRDG. RIDGES

RAMOS OVNT LO: 25 c. 0700ET

	0700	1300	1900
Clds.			
Wx	3t 10		
Wx	CLEAR		
Vis.	15 mi.		

$$I_0 = 25 \quad T_0 = 9 \quad T_{\text{ounn}} = 12$$

$$\bar{T} = 33$$

$$DD = 32$$

$$\Sigma_{00} = 435$$

$$\Sigma_{\text{PCN}(L)}: 1.49''$$

$$\Sigma_{\text{PCN}(S)}: 8.3''$$

SUN. MAR 12, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	51 °F	Dir. NE	Temp. 75°	VALLEY FOG SRDG. RIDGES		
Min.	20 °F	Vel. 3 m.p.h.	Read. 28.65	PRES RR		
Set	32 °F	Char. STEADY	Corr. 28.52	RAMOS OVNT LD: 33c. 0600LT		
R. H.	52 %	24 hr. Mov. 68.2 mi	Sea L. 29.92	Clds. 0700 St 10/10	Clds. 1300	Clds. 1900
Ppn.	0 in.	Prev. Dir. S	3 hr. Tend. +2.5mb /	Wx OVC	Wx	Wx
Ppn.	0 in.	Snow Depth 1 in.	Observer mjl	Vis. 7mi	Vis.	Vis.

$$T_{ROCF} = 35 \quad T_0 = 19 \quad T_{DUNY} = 22$$

$$\bar{T} = 36$$

$$DD = 29$$

$$\Sigma_{DD} = 464$$

$$\Sigma_{PCN(L)} : 1.49''$$

$$\Sigma_{PCN(S)} : 8.3''$$

MON. MAR 13, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	45 °F	Dir. NE	Temp. 73°	SOME ST, CI ALL DIRS SUN DOG OVER MT. NITTANI AT OBS. TIME AURORA BOREALIS BRIGHTLY VISIBLE DURING NIGHT. CONTINUOUS BLUE STREAK @ 20° ALGN (SEE VISIBL ON PPT.) RAINBOW QVNT. 10:15 C. 0130 LT		
Min.	14 °F	Vel. 8 m.p.h.	Read. 28.91			
Set	14 °F	Char. STEADY	Corr. 28.78			
R. H.	54 %	24 hr. Mov. 105.1 mi	Sea L. 30.25	Clds. 0700 3/10	Clds. 1300	Clds. 1900
Ppn.	Liq. — in.	Prev. Dir. N	3 hr. Tend. +0.0mb-	Wx DTLY CLOUDY	Wx	Wx
Ppn.	Sol. — in.	Snow Depth T in.	Observer MJL	Vis. 13mi	Vis.	Vis.

$$T_{\text{ROOF}} = 17 \quad T_0 = 3 \quad T_{\text{DUNV}} = 7$$

$$\bar{T} = 30$$

$$DD = 35$$

$$\Sigma_{DD} = 499$$

$$\Sigma_{\text{PCN(L)}} : 1.49''$$

$$\Sigma_{\text{PCN(S)}} : 8.3''$$

Tues. Mar 14, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.						
Max.	41 °F	Dir.	SW	Temp.	Aurora Borealis brightly visible ~ 2000-2100 LT Bright red curtain SW, blue arc N, some green rays N,W Sun pillar at sunset ZR W -- ~ 0400 LT. Rains over Co: 30' (~200 LT)						
Min.	14 °F	Vel.	3 m.p.h.	Read.				28.77			
Set	31 °F	Char.	Steady	Corr.				28.64			
R. H.	75 %	24 hr. Mov.	920 mi	Sea L.	30.04	Clds.	- X	Clds.		Clds.	
Ppn.	T in.	Prev. Dir.	S	3 hr. Tend.	✓ +0.0mb	Wx	Fog, haze	Wx		Wx	
Ppn.	0 in.	Sol.	T in.	Snow Depth		Observer	ESP	Vis.	1 mi	Vis.	

$T_{root} : 32$

$T_D : 22$

$T_{uv} : 25$

$\bar{T} : 28$

$DD : 37$

$\Sigma H_{10} : 536$

$\Sigma A_{2(L)} : 1.49''$

$\Sigma A_{2(S)} : 8.3''$

WED, MAR 15, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	44 °F	Dir.	NE	Temp.	74°		
Min.	31 °F	Vel.	6 m.p.h.	Read.	28.38		
Set	37 °F	Char.	VARIABLE	Corr.	28.25		
R. H.	83 %	24 hr. Mov.	142 mi.	Sea L.	29.62		
Ppn. Liq.	.01 in.	Prev. Dir.	S	3 hr. Tend.	-2.5		
Ppn. Sol.	- in.	Snow Depth	T in.	Observer	mjl		
				Vis.	3 mi		
					0700	1300	1900
				Clds.	Ac 3/10		
				Wx	PARTLY CLOY		
				Vis.			

SOME C.
VERY HAZY IN DIR. OF
SOUTH RIDGES
R- 0400 ~ 0500 LT
NO OVNT LD
RAMOS OVNT HI: 43c. 22300LT

$$T_{\text{Rope}} = 41 \quad T_0 = 31 \quad T_{\text{Down}} = 36$$

$$\bar{T} = 38$$

$$OD = 27$$

$$\Sigma_{OD} = 563$$

$$\Sigma_{PCN(L)} : 1.49''$$

$$\Sigma_{PCN(S)} : 8.3''$$

Thurs. Mar 16, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	65 °F	Dir. S.W	Temp. 71	Gust of 65 mph at 12:35 LT Fast gusts to 50 mph Foggy ~ 1600 LT Rw-- ~ 0300 LT Sml BNOVC Range over LO: 32		
Min.	31 °F	Vel. 12 m.p.h.	Read. 29.00			
Set	31 °F	Char. Gusts to 18	Corr. 28.87			
R. H.	52 %	24 hr. Mov. 225.6 mi	Sea L. 30.28	0700	1300	1900
Ppn.	T in.	Prev. Dir. WSW	3 hr. Tend. +3.0 mb	Clds. 10/10 SC	Clds.	Clds.
Ppn.	0 in.	Snow Depth 0 in.	Observer ESP	Wx OVC	Wx	Wx
				Vis. 10 mi	Vis.	Vis.

$T_{\text{root}} = 32$

$T_0 = 13$

$T_{\text{unv}} = 16$

$\bar{T} = 48$

$H_{00} = 17$

$\sum H_{00} = 580$

$\sum R_n(t) = 150''$

$\sum PC_n(s) = 8.3''$

Fri 17 Mar 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	50 °F	Dir.	—	Temp.	Ground Frozen Thin ground Fog		
Min.	29 °F	Vel.	10 10 m.p.h.	Read.	29.06		
Set	30 °F	Char.	calm	Corr.	Ramos overnight ^{low} ~ 39°		
R. H.	39 %	24 hr. Mov.	135.8 mi	Sea L.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	SW	3 hr. Tend.	Clds.	Clds.	Clds.
		Snow Depth	0 in.	Observer	Wx	Wx	Wx
				JSL	Vis.	Vis.	Vis.
					20 miles		

$$T_{\text{rood}} = 41$$

$$T_{\text{wet}} = 33$$

$$T_{\text{D}} = 18$$

$$\bar{T} = 40$$

$$DD = 25$$

$$\Sigma DD = 605$$

$$\Sigma PCN(L) = 1.50''$$

$$\Sigma PCN(S) = 8.3''$$

$$T_{\text{ROOF}} = 66 \quad T_0 = 42 \quad T_{\text{DOWN}} = 45$$

$$\bar{T} = 51$$

$$DD = 14$$

$$\Sigma_{DD} = 619$$

$$\Sigma_{PCN(L)} : 1.50''$$

$$\Sigma_{PCN(S)} : 8.3''$$

SUN. MAR 19, 1989
0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	68 °F	Dir.	NW	Temp.	TRW- B ~ 0750 (LT) E ~ 0900 (LT) Ocal LT 6.2cc		
Min.	21 °F	Vel.	20 m.p.h.	Read.	RW ~ 1030-1100 (LT) FROPA ~ 1130 Gauge emptied ~ 1400 LT 18"		
Set	21 °F	Char.	Steady	Corr.	0700	1300	1900
R. H.	64 %	24 hr. Mov.	NA	Sea L.	Clds.	Clds.	Clds.
Ppn.	0.18 in.	Prev. Dir.	W	3 hr. Tend.	Wx	Wx	Wx
Ppn.	T in.	Snow Depth	T in.	Observer	Vis.	Vis.	Vis.

+1.4 mb
3hr

Clds. 7/10

Wx BKN

Vis. 20 miles

$T_{\text{root}} = 22$
 $T_0 = 12$
 $\bar{T} = 45$
 $DD = 20$
 $\Sigma PD = 639$
 $\Sigma PCN(1) = 1.68''$
 $\Sigma PCN(2) = 8.3''$

Ramos overnight Low ~ 22

MAN. MAR 20, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	36 °F	Dir. SE	Temp. 77°	S--- 0800-0930 LT, 22 19TH		
Min.	20 °F	Vel. — m.p.h.	Read. 29.07	LT. RIDGE FOG		
Set	23 °F	Char. CALM	Corr. 28.93	ROMOS QYNT LD: 22 C. 0500 LT		
R. H.	60 %	24 hr. Mov. —	Sea L. 30.37	0700	1300	1900
Ppn.	T in.	Prev. Dir. W	3 hr. Tend. -0.2mb	Clds. St 10%	Clds.	Clds.
Ppn.	T in.	Snow Depth — in.	Observer MTL	Wx OVC	Wx	Wx
				Vis. 22 mi	Vis.	Vis.

$$T_{ROOF} = 25 \quad T_0 = 9 \quad T_{DUNN} = 13$$

$$\bar{T} = 28$$

$$DD = 37$$

$$\Sigma_{00} = 676$$

$$\Sigma_{PCN(L)} = 1.68''$$

$$\Sigma_{PCN(S)} = 8.3''$$

Tue. Mar 21, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	37 °F	Dir. W	Temp. 74	S-B ~ 1145 LT (ocnl S) - wet snow I-P-B ~ 1630 LT, E ~ 1700 LT Z-R-B ~ 1830 LT		
Min.	23 °F	Vel. 5 m.p.h.	Read. 28.71	S-Z-R-E, R-B ~ 2000 LT R-E ~ 2030 LT R-B ~ 2100 LT E ~ 000 LT (ocnl L-) Gauge emptied, 1900 LT → 3.0" (E) Rains OVRT Lo: None		
Set	33 °F	Char. Steady	Corr. 28.58	0700 1300 1900		
R. H.	73 %	24 hr. Mov. 1086	Sea L. 29.98	Clds. AS 10/10 SC FC	Clds.	Clds.
Ppn. Liq.	.38 in.	Prev. Dir. S	3 hr. Tend. 1 + 30 mb	Wx OVC	Wx	Wx
Ppn. Sol.	3.0" in.	Snow Depth 1 in.	Observer ESP	Vis. 10 mi	Vis.	Vis.

T_{max}: 34

T_o: 22

T_{avg}: 26

\bar{T} : 30

H_{avg}: 35

ΣH_{oo} : 74

$\Sigma P_m(c)$: 2.06"

$\Sigma P_m(s)$: 11.3"

max temp set: 37 (could not
reset)

Wed 22 Mar 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	38 °F	Dir. NW	Temp. 76°	SUN!!		
Min.	17 °F	Vel. 2 m.p.h.	Read. 29.15			
Set	17 °F	Char. light	Corr. 29.01	Ramos overnight Low ~ 18°		
R. H.	%	24 hr. Mov. 117.2 mi	Sea L. 30.48	Clds. CS $\frac{8}{10}$	Clds.	Clds.
Ppn.	Liq. — in.	Prev. Dir. NW	3 hr. Tend +2.5 $\frac{mb}{3hrs}$	Wx CLR	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer JSL	Vis. 20miks	Vis.	Vis.

$$T_{\text{roof}} = 22$$

$$T_0 = 15$$

$$\bar{T} = 27^\circ$$

$$DD = 38$$

$$\Sigma DD = 749$$

$$\Sigma PCN(W) = 2.06^\circ$$

$$\Sigma PCN(S) = 11.3''$$

Thurs. Mar 23, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	40 °F	Dir. E	Temp. 78	Fog N, E → base of Mt. Nittany Obscured. Vis N, E ~ 2mi Small sun pillar at sunrise.		
Min.	17 °F	Vel. 3 m.p.h.	Read. 29.30			
Set	23 °F	Char. 4 & Variable	Corr. 29.16			
R. H.	57 %	24 hr. Mov. N4	Sea L. 30.61	0700	1300	1900
Ppn.	0 in.	Prev. Dir. E	3 hr. Tend. +2.0mb	Clds. 8/10 Ci	Clds.	Clds.
Ppn.	0 in.	Snow Depth 0 in.	Observer ESP	Wx -8KN	Wx	Wx
				Vis. 10	Vis.	Vis.

$t_{\text{ref}} = 25$

$T_D = 9$

$t_{\text{sum}} = 12$

$\bar{T} = 29$

$H_{\text{AD}} = 36$

$\Sigma H_{\text{AD}} = 795$

$\Sigma \rho_{\text{AD}}(L) = 2.06''$

$\Sigma \rho_{\text{AD}}(S) = 11.3''$

24 March 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 47 °F	Dir. —	Temp. 72	Freezing rain on metal S's and grass			
Min. 23 °F	Vel. 0 m.p.h.	Read. 29.08	R- Br 2300 (LT) IP: 21:45-2150 (LT)			
Set 29 °F	Char. calm	Corr. 28.95	Rains overnight Low -30			
R. H. 72 %	24 hr. Mov. 93.7 miles	Sea L. 30.38	Clds. 0700 Ns 10	Clds. 1300	Clds. 1900	
Ppn. Liq. .35 in.	Prev. Dir. E	3 hr. Tend. -1 mb SACS	Wx ZR-	Wx	Wx	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JSL	Vis. 5 miles	Vis.	Vis.	

$$T_{\text{Reos Rues}} = 31$$

$$T_0 = 27^\circ$$

$$\bar{T} = 35$$

$$OD = 30$$

$$EOD = 815$$

$$\sum PCN(L) = 241''$$

$$\sum PCN(S) = 11.3''$$

SAT. MAR 25, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	36 °F	Dir. SW	Temp. 76°	R,R-,L THRU PERIOD, 24TH RE ~ 1630 LT DENSE FOG SRDG. RIDGES STRATUS SRDG. TOPS OF MT. MITTANY RIDGE RAMS OVNT LO: 33 (TMP. STD)		
Min.	29 °F	Vel. 4 m.p.h.	Read. 28.82			
Set	33 °F	Char. LGT. & STEADY	Corr. 28.68			
R. H.	82 %	24 hr. Mov. 56.1 mi	Sea L. 30.08	Clds. St 3/10	Clds.	Clds.
Ppn.	Liq. .72 in.	Prev. Dir. N	3 hr. Tend. +15mb /	Wx RAPIDLY CLEARING	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer MJL	Vis. 4 mi	Vis.	Vis.

$$T_{\text{ROCK}} = 34 \quad T_{\text{Q}} = 25 \quad T_{\text{DUNV}} = 28^*$$

$$\bar{T} = 33$$

*USED FOR RH CALC.

$$DD = 32$$

$$\Sigma_{\text{DO}} = 847$$

$$\Sigma_{\text{PCN}(L)} = 3.13''$$

$$\Sigma_{\text{PCN}(S)} = 11.3''$$

SUN. MAR 26, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	63 °F	Dir.	SE	Temp.	FOG, EVERYWHERE.		
				75°			
Min.	31 °F	Vel.	—	Read.			
			m.p.h.	28.96			
Set	31 °F	Char.	CALM	Corr.	RAMOS CVNT LG: 36 c. 0700LT		
				28.82	0700	1300	1900
R. H.	90 %	24 hr. Mov.	N/A	Sea L.	Clds.	Clds.	Clds.
				30.24	-X		
Ppn.	— in.	Prev. Dir.	N/A	3 hr. Tend.	Wx	Wx	Wx
				+2.5mb/	F		
Ppn.	— in.	Snow Depth	— in.	Observer	Vis.	Vis.	Vis.
				MJL	1/2 mi.		

$$T_{\text{ROOF}} = 37 \quad T_0 = 27 \quad T_{\text{DUV}} = 34$$

$$\bar{T} = 47$$

$$DD = 18$$

$$\Sigma_{00} = 865$$

$$\Sigma_{\text{PCN(L)}}: 3.13''$$

$$\Sigma_{\text{PCN(S)}}: 11.3''$$

MON. MAR 27, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	66 °F	Dir. SW	Temp. 75°	SOME LT. RIDGE FOG. HABE		
Min.	31 °F	Vel. — m.p.h.	Read. 29.01			
Set	39 °F	Char. CALM	Corr. 28.87	RAMOS ONJT LO: 45 C. 0300LT		
R. H.	54 %	24 hr. Mov. —	Sea L. 30.26	Clds. 0/10	Clds.	Clds.
Ppn.	— in.	Prev. Dir. —	3 hr. Tend. +1.5 ✓	Wx H	Wx	Wx
Ppn.	— in.	Snow Depth — in.	Observer MJL	Vis. 6 mi.	Vis.	Vis.

$$T_{\text{root}} = 49 \quad T_D = 33 \quad T_{\text{downy}} = 33$$

$$\bar{T} = 49$$

$$DD = 16$$

$$\sum_{DD} = 881$$

$$\sum_{PCU(L)} : 3.13''$$

$$\sum_{PCU(S)} : 11.3''$$

Tues. Mar 28, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. S	Temp. 80	Towering Cu. <i>BN</i> Virga w		
Min.	39 °F	Vel. 10 m.p.h.	Read. 28.89			
Set	63 °F	Char. Gusts to 18	Corr. 28.74	Rames gunt L ₀ : 60		
R. H.	46 %	24 hr. Mov. 111.3	Sea L. 30.03	0700 Clds. 9/10 tc cu	1300 Clds.	1900 Clds.
Ppn.	0 in.	Prev. Dir. SW	3 hr. Tend. -10.0-6	Wx BEN	Wx	Wx
Ppn.	0 in.	Snow Depth 0 in.	Observer ESP	Vis. 25	Vis.	Vis.

Troof: 64
T₀: 38
T_{ann}: 43
F: 59
OD: 6

ΣD_p: 887

ΣPCN(L): 3.13"

ΣPCN(G): 16.3"

29 March 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 78 °F		Dir. SW	Temp. 80	RW-915 at 945 (LT) Gauge emptied 1030 LT ~.02"		
Min. 57* °F		Vel. 10 m.p.h.	Read. 28.72	Thin fog on ridges Ramos overnight Low ~ 58°		
Set 57 °F		Char. Steady	Corr. 28.57	*New Max Min Over →		
				0700	1300	1900
R. H. 66 %		24 hr. Mov. 189.7 miles	Sea L. 29.90	Clds. Sc 10	Clds.	Clds.
Ppn. .25 in.	Liq.	Prev. Dir. S	3 hr. Tend. +1 mb 3 hrs	Wx OVC	Wx.	Wx
Ppn. — in.	Sol. — in.	Snow Depth — in.	Observer JSL	Vis. 10 miles	Vis.	Vis.

$$T_{\text{RootsRamos}} = 59^\circ$$

$$RV \sim 350(LT) - 525(LT)$$

$$T_0 = 52^\circ$$

$$\bar{T} = 68$$

$$COD = 1$$

$$\Sigma COD = 1$$

$$\Sigma HDD = 887$$

$$\Sigma PCNR = 3.38''$$

$$\Sigma PCN(s) = 11.3''$$

Thurs. Mar 30, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	69 °F	Dir. SE	Temp. 79	R- B 0600 - 0930 LT		
Min.	43 °F	Vel. 9 m.p.h.	Read. 28.70	R-B ~ 0130LT (local R, R+) (Some LT900 ~ 0230LT)		
Set	46 °F	Char. varying E-SE	Corr. 28.56	Low cig - Ridges Obsc. Ramas Ount Lo: 44		
R. H.	84 %	24 hr. Mov. 98.4 mi	Sea L. 29.91	0700	1300	1900
Ppn.	.52 in.	Prev. Dir. SW	3 hr. Tend. -1.5 in	Clds. 10/10 NS ST	Clds.	Clds.
Ppn.	0 in.	Snow Depth 0 in.	Observer ESP	Wx R-F	Wx	Wx
				Vis. 3/4 mi	Vis.	Vis.

$T_{ref} = 48$
 $T_0 = 40$
 $T_{room} = 43$

$\bar{T} = 56$

$Q_0 = 9$

$E_{th,0} = 896$

$E_{cool} = 2$

$E_{Pen(L)} = 3.90''$

$E_{Pen(S)} = 11.3''$

Fri 31 March 89

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	49 °F	Dir.	—	Temp.	0700-1000 (LT) R → L = 11"		
Min.	42 °F	Vel.	0 m.p.h.	Read.	L 1400-1530 LT		
Set	42 °F	Char.	calm	Corr.	R-M 1530-1750 LT		
R. H.	100 %	24 hr. Mov.	544 miles	Sea L.	L-M 1750-1930 LT		
Ppn.	.35 in.	Prev. Dir.	E	3 hr. Tend.	R-B ~ 2100 LT ^{4.2} _{4.2} F _{4.2} all quads		
Ppn.	— in.	Snow Depth	— in.	Observer	Ramos overnight Low ~ 44		
					0700	1300	1900
					Clds. 10	Clds.	Clds.
					St 10		
					Wx	Wx	Wx
					L-F		
					Vis.	Vis.	Vis.
					EST 1/2 mile		

$$T_{\text{roof}} = 45^{\circ}$$

$$T_w = 45^{\circ}$$

$$T_0 = 45^{\circ}$$

$$\bar{T} = 45^{\circ}$$

$$\text{CDD} = 0$$

$$\Sigma \text{LDD} = 1$$

$$\text{HDD} = 20$$

$$\Sigma \text{HDD} = 946$$

$$\Sigma \text{pcn}(L) = 4.25''$$

$$\Sigma \text{pcn}(S) = 11.3''$$