

Nov. Nov 1 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	62 °F	Dir.	WSW	Temp.	72°	* RW - 0730 - 0830 LT 1300 - 1400 LT <u>Frosts</u> 1530 - 1630 LT ~1810 LT * RW + 1800 - 1820 LT * RW - 1820 - <u>Ranoms: 61, 39</u>		
Min.	41 °F	Vel.	12-18 m.p.h.	Read.	28.84			
Set	41 °F	Char.	variable	Corr.	28.71			
R. H.	53 %	24 hr. Mov.	137 mi.	Sea L.	30.09	0700	1300	1900
Ppn.	.56 in.	Prev. Dir.	W	3 hr. Tend.	+2	Clds 9/10	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	JCK	Wx - Heavy wind	Wx	Wx
						Vis. 20 mi.	Vis.	Vis.

$$T_{\text{roof}} = 42 \quad \bar{T} = 52 \quad \sum \text{PEN.} = .56''$$

$$T_w = 36 \quad \text{NDD} = 13$$

$$T_d = 26 \quad \sum \text{NDD} = 13$$

$$\text{CDD} = 0$$

$$\sum \text{CDD} = 0$$

Thurs. Nov 2, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	52 °F	Dir.	Temp.			
		-	75			
Min.	33 °F	Vel.	Read.			
		Calm m.p.h.	29.00			
Set	33 °F	Char.	Corr.	Roses 49/33		
		Calm	28.87	0700	1300	1900
R. H.	90 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		114.5 mi	30.31	6/10 Ci CL		
Ppn.	0 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		WSW	V -0.5 mi	BKN		
Ppn.	0 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		0 in.	ESP	15 mi		

$T_{\text{ref}} : 32$   
 $T_{\text{ref}} : 30.5$   
 $T_d : 29$

$\bar{T} : 43$

$H_{\text{so}} : 22$

$E_{H_{\text{so}}} : 35$

$E_{\mu_n(1)} : 0.56^\circ$

$E_{\mu_n(2)} : 0$

FRI NOV 3, 1989

Meteorological Observatory  
University Park, Pa.  
General Obs.

Temp.		Wind		0700 EST		General Obs.		
Max.	49 °F	Dir.	WNW	Barom.	Temp.	VERY LIGHT STEADY RAIN ~ 0400 - 0700LT		
Min.	33 °F	Vel.	9 m.p.h.	Read.	76°			
Set	39 °F	Char.	STEADY	Corr.	28.72			
R. H.	73 %	24 hr. Mov.	42.1 mi	Sea L.	28.58	RAMOS OVNT LO: 37 c. 0700LT		
Ppn. Liq.	T in.	Prev. Dir.	S	3 hr. Tend.	+7.7 ✓	0700	1300	1900
Ppn. Sol.	— in.	Snow Depth	— in.	Observer	MJL	Clds.	Clds.	Clds.
						St. 10% Ns 10%		
						Wx	Wx	Wx
						OVC		
						Vis.	Vis.	Vis.
						6 mi		

$$T_{\text{ROOF}} = 42 \quad T_w = 38 \quad T_D = 34 \quad T_{\text{ENV}} = 33$$

$$\bar{T} = 41$$

$$\text{HDD} = 27$$

$$\sum_{\text{HDD}} = 59$$

$$\sum_{\text{PCM(L)}} : .56''$$

$$\sum_{\text{PCM(S)}} : \phi$$

Sat. Nov 4 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	43 °F	Dir.	—	Temp.	72°	• RW - 0715-0820 LT		
Min.	23 °F	Vel.	0 m.p.h.	Read.	28.99	• RW - / SW - 0820-0920 LT		
Set	24 °F	Char.	CALM	Corr.	28.86	• OCNL. PM SW--		
R. H.	68 %	24 hr. Mov.	12 mi	Sea L.	30.28	• RAIN: 41, 24		
Ppn.	.06 in.	Prev. Dir.	W	3 hr. Tend.	+1 1/2	0700	1300	1900
Ppn.	T in.	Snow Depth	0 in.	Observer	JCK	Clds.	Clds.	Clds.
						Wx	Wx	Wx
						Vis.	Vis.	Vis.
						30 mi.		

$$T_{\text{med}} = 28 \quad \bar{T} = 33 \quad \sum P_{\text{ch.}} = .62''$$

$$T_u = 25 \quad \text{MOD} = 32$$

$$T_l = 19 \quad \sum \text{MOD} = 91$$

$$c_{00} = 0$$

$$\sum c_{00} = 0$$

SUN. NOV 5, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	44 °F	Dir.	E	Temp.	72°	CI SE TO NE (DISTANT)		
Min.	24 °F	Vel.	— m.p.h.	Read.	28.95			
Set	31 °F	Char.	CALM	Corr.	28.82	RAMOS CNT Lo: 33 c. 0700		
R. H.	59 %	24 hr. Mov.	58.4 mi	Sea L.	30.23	Clds. 0700	Clds. 1300	Clds. 1900
Ppn.	— in.	Prev. Dir.	S	3 hr. Tend.	+ .7 ✓	Wx 0700	Wx 1300	Wx 1900
Ppn.	— in.	Snow Depth	— in.	Observer	MJL	Wx CLEAR	Vis.	Vis.
							16 mi	

$$T_{\text{ROOF}} = 36 \quad T_w = 31.5 \quad T_o = 23 \quad T_{o_{\text{ENV}}} = 25$$

$$\bar{T} = 34$$

$$\text{HDD} = \del{122} 31$$

$$\sum_{\text{HDD}} = 122$$

$$\sum_{\text{PCN}} : .62''$$

MON. NOV 6, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	55 °F	Dir. SW	Temp. 72°	RW - B ~ 2330LT E ~ 0415LT TRW - 0215LT AND 0315LT PCN VRY LT EXCEPT 0315-0330LT  RAMOS QVNT LO: 48 c. 0400LT		
Min.	31 °F	Vel. 10 m.p.h.	Read. 28.66			
Set	51 °F	Char. (MOSTLY) STEADY	Corr. 28.53			
R. H.	63 %	24 hr. Mov. 145.0 mi	Sea L. 29.89	Clds. 10/ St. 10/ Se 10	Clds.	Clds.
Ppn.	Liq. .07 in.	Prev. Dir. S	3 hr. Tend. -.8	Wx OVC	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer MJL	Vis. 13 mi	Vis.	Vis.

$$T_{\text{Roof}} = 52.5 \quad T_w = 46 \quad T_o = 39.5 \quad T_o = 41$$

$$\bar{T} = 43$$

$$HDD = 22$$

$$\sum_{HDD} = 144$$

$$\sum_{PCU} : .69''$$

Tues. Nov. 7, 1999

Meteorological Observatory  
University Park, Pa.  
General Obs.

Temp.		Wind		0700 EST		General Obs.			
Max.	66 °F	Dir.	—	Barom.	Temp.	Ptkly CF all quarters Ci, Cs drst W  Raines: 63/36			
Min.	34 °F	Vel.	Calm	Read.	28.84				
Set	37 °F	Char.	Lt & W nearly calm	Corr.	28.70				
R. H.	84 %	24 hr. Mov.	90.4 mi	Sea L.	30.10	Clds.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	WSW	3 hr. Tend.	— 0.0-0	Ci Cs As	8/10		
Ppn.	0 in.	Snow Depth	0 in.	Observer	ESP	Wx	BKN	Wx	Wx
				Vis.	7 mi	Vis.		Vis.	Vis.

$T_{\text{roof}} : 38.5$

$T_{\text{air}} : 36.5$

$T_{\text{in}} : 34$

$T_{\text{out}} : 50$

$H_{\text{roof}} : 15$

$E_{\text{Hroof}} : 159$

$E_{\text{Ain}(L)} : .64''$

$E_{\text{Ain}(D)} : T$

WED Nov 8 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	58 °F	Dir.	—	Temp.	76°	- THICK Ground Fog W, S, E RW ~ 1800-2100 LT  - Ramos 56, 37		
Min.	38 °F	Vel.	0 m.p.h.	Read.	28.59			
Set	43 °F	Char.	CALM	Corr.	28.45			
R. H.	79 %	24 hr. Mov.	65	Sea L.	29.80	0700	1300	1900
						Clds.	Clds.	Clds.
Ppn.	Liq. .07" in.	Prev. Dir.	S	3 hr. Tend.	±0 —	Wx	Wx	Wx
						Wz		
Ppn.	Sol. 0 in.	Snow Depth	0 in.	Observer	JCK	Vis.	Vis.	Vis.
						15 mi		

$$T_{roof} = 47 \quad \bar{T} = 47 \quad \sum PCN_{(i)} = .78$$

$$T_w = 44 \quad HDD = 18 \quad \sum PCN_{(i)} = T$$

$$T_d = 41 \quad \sum HDD = 177$$

$$CDD = 0$$

$$\sum CDD = 0$$

Thurs. Nov 9, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	55 °F	Dir.	SW	Temp.	80	R-1600 LT - 1630 LT L-1630- 1830 LT R-1930- 2200 LT L-2200 LT R- ~ 2230 LT - 0310 LT Wm Frogs ~ 0300 LT R- ~ 8 ~ 0600 LT R- actual R or obs Remarks: No Over 60		
Min.	43 °F	Vel.	10 m.p.h.	Read.	28.35			
Set	54 °F	Char.	steady	Corr.	28.21			
R. H.	100 %	24 hr. Mov.	62.5 mi	Sea L.	29.52	0700	1300	1900
Ppn.	Liq.	Prev. Dir.	S	3 hr. Tend.	↓ -1.5 mb	Clds.	Clds.	Clds.
	0.12" in.					X		
Ppn.	Sol.	Snow Depth	0 in.	Observer	ESP	Wx	Wx	Wx
	0 in.					R-F		
						Vis.	Vis.	Vis.
						1/2 mi		

T<sub>roof</sub>: 54

T<sub>wat</sub>: 54

T<sub>d</sub>: 54

$\bar{T}$ : 49

H<sub>0</sub>: 6

$\Sigma H_{00}$ : 193

$\Sigma p_{cn}(u)$ : -90"

$\Sigma p_{cn}(s)$ : T

FRI. NOV 10, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	55 °F	Dir. SW	Temp. 79°	RWT 0800-0820LT R- 0820-0930LT		
Min.	37 °F	Vel. 15 m.p.h.	Read. 28.44	FROPA - 0845LT FAT. GUSTS TO 30+ 0830-1500LT		
Set	40 °F	Char. STRONG & STEADY	Corr. 28.30	RAMOS CNT LD: 58 C. 0600LT		
R. H.	57 %	24 hr. Mov. 181.4 mi	Sea L. 29.66	0700 Clds. 19% Sc 10	1300 Clds.	1900 Clds.
Ppn. Liq.	.22 in.	Prev. Dir. W	3 hr. Tend. -8 V	Wx OVC	Wx	Wx
Ppn. Sol.	- in.	Snow Depth -	Observer MJL	Vis. 18 mi	Vis.	Vis.

$$T_{\text{ROOF}} = 40 \quad T_w = 34.5 \quad T_o = 26 \quad T_{\text{DOWN}} = 23$$

$$\bar{T} = 46$$

$$HDD = 19$$

$$\sum_{HDD} = 212$$

$$\sum_{PCU(L)} : 1.12''$$

$$\sum_{PCU(S)} : T$$

Sat. Nov 11 1987

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	45 °F	Dir.	SW	Temp.	• RW - 0845 - 0915 LT • RW - 1040 - 1050 LT • 1 PM - → SW - 1050 - 1055 LT • 1 PM + 1120 - 1130 LT ~ 1127 LT PL WST 55 mb • RW - → SW - 1700 - 1930 LT • Rain: 43, 31 • PM RW - -		
Min.	31 °F	Vel.	6 m.p.h.	Read.	28.71 28.56		
Set	32 °F	Char.	Steady	Corr.	0700	1300	1900
R. H.	64 %	24 hr. Mov.	170 mi.	Sea L.	Clds.	Clds.	Clds.
Ppn.	0.07 in.	Prev. Dir.	WSW	3 hr. Tend.	2 / AUTO 10 auto		
Ppn.	T in.	Snow Depth	0 in.	Observer	Wx	Wx	Wx
					• misty Sun		
					Vis.	Vis.	Vis.
					25 mi.		

$$T_{\text{roof}} = 35 \quad \bar{T} = 38 \quad \sum PCN_s = 1.19$$

$$T_w = 31 \quad MAD = 27 \quad \sum PCN_s = T$$

$$T_h = 24 \quad \sum MAD = 239$$

$$LDD = 0$$

$$\sum LDD = 0$$

SUN. NOV. 12, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	57 °F	Dir.	NW	Temp.	77 °	RW--- (OCNL RW---?) ~ 1500 ~ 2030 LT F&T GUSTS TO 30+ MPH IN 24 HR. PERIOD		
Min.	32 °F	Vel.	17 m.p.h.	Read.	28.80			
Set	42 °F	Char.	GUSTY / VARIABLE	Corr.	28.66	RAMPS ON RT LO: 40 c. 0700 LT		
R. H.	53 %	24 hr. Mov.	236.8 mi	Sea L.	30.03	0700	1300	1900
Ppn.	T in.	Prev. Dir.	WSW	3 hr. Tend.	+4.5 /	Clds.	Clds.	Clds.
Ppn.	— in.	Snow Depth	— in.	Observer	MJL	Sc 2/10	Wx	Wx
						Wx	Wx	Wx
						Vis.	Vis.	Vis.
						20 mi		

$$T_{\text{Roof}} = 42 \quad T_w = 36 \quad T_o = 26 \quad T_{o_{\text{un}}} = 26$$

$$\bar{T} = 45$$

$$HDD = 20$$

$$\Sigma_{HDD} = \cancel{47} 259$$

$$\Sigma_{PCN(L)} : 1.19$$

$$\Sigma_{PCN(S)} : T$$

MON. NOV. 13, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.			
Max.	48 °F	Dir.	S	Temp.	76°	FEW CONTRAILS EAST SCT CI ALQDS.			
Min.	28 °F	Vel.	— m.p.h.	Read.	29.04				
Set	30 °F	Char.	CALM	Corr.	28.90	RAMOS OVNT 20:30 c. 0400LT			
R. H.	56 %	24 hr. Mov.	112.1 mi	Sea L.	30.32	Clds.	0700	1300	1900
Ppn.	— in.	Prev. Dir.	W	3 hr. Tend.	+0 —	Clds.	0700	1300	1900
Ppn.	— in.	Snow Depth	— in.	Observer	MJL	Wx	CLEAR		
						Vis.	0700	1300	1900
						Vis.	25 mi		

$$T_{\text{ROOF}} = 35 \quad T_w = 30 \quad T_0 = 21 \quad T_{\text{DOWN}} = 20$$

$$\bar{T} = 38$$

$$HDD = 27$$

$$\Sigma_{HDD} = 286$$

$$\Sigma_{PCN(4)} : 1.19''$$

$$\Sigma_{PCN(5)} : T$$

Tues. Nov. 14, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	59 °F	Dir.	Temp.	Dpchy GF at base of Mt. Nittany		
			78			
Min.	30 °F	Vel.	Read.			
		Calm m.p.h.	28.89	Rain: 58/46		
Set	41 °F	Char.	Corr.	0700	1300	1900
		Calm	28.75			
R. H.	73 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		107.5 mi	30.11	7/10 Ac AS		
Ppn. Liq.	0 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		SSW	+0.0 in. —	BKN		
Ppn. Sol.	0 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		0 in.	ESP	20 mi		

$T_{\text{max}}: 47$

$T_{\text{min}}: 43$

$T_0: 39$

$\bar{T}: 45$

$n_{\text{obs}}: 20$

$\sum K_{\text{obs}}: 306$

$\sum P_n(c): 19''$

$\sum P_n(s): 7$

Wed. Nov 15 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	71 °F	Dir. SW	Temp. 80°	• RW - ~ 1988 - 1990 LT • Some precip overnight. (~ 0300 LT?)		
Min.	41 °F	Vel. 9 m.p.h.	Read. 28.73			
Set	56 °F	Char. Steady	Corr. 28.58			
R. H.	72 %	24 hr. Mov. 110 mi.	Sea L. 29.91	0700 Clds. 10/10 Squalls	1300 Clds.	1900 Clds.
Ppn. Liq.	.04 in.	Prev. Dir. SSW	3 hr. Tend. -1/2 ✓	Wx • over	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer JCK	Vis. 15 mi.	Vis.	Vis.

• RAMPS: 54, 70 (OR VMS VMSA)

$$T_{\text{maj}} = 58 \quad \bar{T} = 56 \quad \sum \text{PEN.} = 1.23''$$

$$T_w = 53 \quad \text{HDD} = 9$$

$$T_d = 49 \quad \sum \text{HDD} = 315$$

$$\text{CDD} = 0$$

$$\sum \text{CDD} = 0$$

Thur. Nov 16, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	68 °F	Dir.	SW	Temp.	TRW - 1505-1554 RL - 1515-1554		
Min.	53 °F	Vel.	16 m.p.h.	Read.	TRW 0400-0500LT (Ocnl Ltg ice) RW - 0500-0654LT (Ocnl RW) # wind 0044LT - 50 mph		
Set	53 °F	Char.	60310 24	Corr.	Presfr Rains: 70/52		
R. H.	90 %	24 hr. Mov.	169.6 mi	Sea L.	0700	1300	1900
Ppn.	1.06 in.	Prev. Dir.	SW	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	Wx	Wx	Wx
				ESP	Wx	L-F	
					Vis.	Vis.	Vis.
					5 mi		

Troof: 56

Tuet: 54

Td: 53

T: ~~56~~

Woa: ~~4~~

$\Sigma H_{00}$ : 324

$\Sigma p_{00}(L)$ : 2.29"

$\Sigma p_{00}(S)$ : T

FRI NOV 17, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	54 °F	Dir. SW	Temp. 75°	L - 0700 - 0745 LT RW - 0745 - 0945 LT RW - SW - 0945 - 1030 LT SW - 1030 - 1045 LT → OVER RAMOS QYNT LG: 25 c 0700LT		
Min.	27 °F	Vel. 11 m.p.h.	Read. 28.63			
Set	28 °F	Char. VARIABLE	Corr. 28.50			
R. H.	63 %	24 hr. Mov. 270.6 mi	Sea L. 29.91	Clds. 7/10	Clds.	Clds.
Ppn.	.17 in.	Prev. Dir. W	3 hr. Tend. +3.0 /	Wx SW-	Wx	Wx
Ppn.	.1 in.	Snow Depth 0 in.	Observer MJL	Vis. 10 v 1/2	Vis.	Vis.

$$T_{\text{RAMOS}} = 25 \quad T_{0_{\text{RAMOS}}} = 12 \quad T_{0_{\text{UNV}}} = 17$$

$$\bar{T} = 41$$

$$HDD = 24$$

$$\sum_{HDD} = 348$$

$$\sum_{PCN(L)} = 2.46''$$

$$\sum_{PCN(S)} = .1''$$

LOWEST PRS (@ FROPA)  
5 MIN. = 29.19"  
SUSTAINED WIND OF 45  
MPH  
GUST TO 67 (MAX GUST)  
OCNL PM SW -  
SW+ 1535 - 1545 LT  
- GROUND WHITENED  
- GUSTS TO 44 MPH  
FRT SW - / SW - - ONVT

Sat Nov 18 1989

0700 EST

Meteorological Observatory  
University Park, Pa.  
General Obs.

Temp.		Wind		Barom.		General Obs.		
Max.	35 °F	Dir.	SW	Temp.	75°	• SW -- 0200 - 0345 LT		
Min.	27 °F	Vel.	10 - 18 m.p.h.	Read.	28.67			
Set	32 °F	Char.	variable	Corr.	28.54	Rhos: 33, 27		
R. H.	54 %	24 hr. Mov.	177 mi.	Sea L.	29.93	0700	1300	1900
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	• Pm young • windy	Clds. <del>4/10</del>	Clds.	Clds.
Ppn.	Sol.	Snow Depth	Observer	Vis.	35 mi.	Wx	Wx	Wx
	T in.	0 in.	JCK	Vis.		Vis.	Vis.	Vis.

$$T_{avg} = 33 \quad \bar{T} = 31 \quad \sum PCN_2 = 2.46''$$

$$T_w = 28 \quad HD_6 = 34 \quad \sum PCN_3 = .1''$$

$$T_d = 18 \quad \sum HD_0 = 392$$

$$\sum HD = 0$$

$$\sum HD = 0$$

SUN. NOV 19, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	35 °F	Dir.	SW	Temp.	75°	CONTRAIL TO EAST SW - ~0750 - 0920 LT SW - 1030 - 1050 LT		
Min.	20 °F	Vel.	7 m.p.h.	Read.	29.06	SW + 1050 ~ 1115 LT - 2 GUSTS TO 50MPH - VISIBILITY ZERO SW - VISIBILITY ZERO 1115 - 1130 LT (OVER)		
Set	20 °F	Char.	STEADY	Corr.	28.92	RAMOS QVNT LO: 18 C. 0700 LT		
R. H.	49 %	24 hr. Mov.	201.4 mi	Sea L.	30.36	0700	1300	1900
Ppn.	.02 in.	Prev. Dir.	W	3 hr. Tend.	+ .5 ✓	Clds.	Clds.	Clds.
Ppn.	.20 in.	Snow Depth	— in.	Observer	MJL	Wx	Wx	Wx
						St	4/10	
						Wx	MSTLY CLEAR	
						Vis.	20 mi	

$$T_{\text{RAMOS}} = 18 \quad T_{D_{\text{RAMOS}}} = 2 \quad T_{D_{\text{UNV}}} = 10$$

$$\bar{T} = 28$$

$$HOD = 37$$

$$\sum_{HOD} = 419$$

$$\sum_{PCD(L)} : 2.48''$$

$$\sum_{PCN(S)} : .3''$$

SW - 1630-1730LT  
SW 1730-1830LT  
SW - 1830-1915LT

MON Nov 20, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	47 °F	Dir.	SW	Temp.	76 °	SW-- ~1415-1430LT		
Min.	20 °F	Vel.	15 m.p.h.	Read.	28.36	WARM FROPA ~ 2300LT		
Set	47 °F	Char.	VARIABLE	Corr.	28.23	TEMP CONSTANT INCREASE PAST 24HRS		
R. H.	59 %	24 hr. Mov.	154.1 mi	Sea L.	29.57	RAMOS OVNT HI: 45 c. 0700LT		
Ppn.	T in.	Prev. Dir.	SW	3 hr. Tend.	-3.0	0700	1300	1900
Ppn.	T in.	Snow Depth	— in.	Observer	MJL	Clds.	Clds.	Clds.
						ST 3/10		
						Wx	Wx	Wx
						PTDY CLOUDY		
						Vis.	Vis.	Vis.
						15 mi		

$$T_{\text{ROOF}} = 47 \quad T_{\omega} = 41 \quad T_{\delta} = 33.5 \quad T_{\text{D}_{\text{UNV}}} = 33$$

$$\bar{T} = 34$$

$$\text{HDD} = 31$$

$$\sum_{\text{HDD}} = 450$$

$$\sum_{\text{PCN}(L)} = 2.48''$$

$$\sum_{\text{PCN}(S)} = .3''$$

TUES NOV. 21, 1949

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 56 °F		Dir. NW	Temp. 70	T+RW 1945-1930 LT Ft Lytle's Peak gust 85mph - 1946 LT Gust 70 71-1944 LT. Pres jump: 6mb in 1 min. Lowest pres. 29.20" From 1930 LT R- 1930-2030 LT SP- 2000-2030 LT (over)		
Min. 26 °F		Vel. 20 m.p.h.	Read. 28.45			
Set 27 °F		Char. Gusts to 36	Corr. 28.33			
R. H. 60 %		24 hr. Mov. NA	Sea L. 29.72	Clds. 2/10 sc	Clds.	Clds.
Ppn. Liq. .04 in.		Prev. Dir. NA	3 hr. Tend. /+4.5mb	Wx BKN	Wx	Wx
Ppn. Sol. .2 in.		Snow Depth T in.	Observer ESP	Vis. 25mi	Vis.	Vis.

Troof: 28

Tair: 24

To: 16

T: 41

H<sub>2</sub>O: 24

Σ H<sub>2</sub>O: 474

Σ pen(i): 2.52

Σ pen(s): .5"

OCN/ SW -- 2030 - obs

SW 0200-0300

Fat gusts to 60 mph gust.

\*- T<sub>1</sub>R<sub>1</sub>W probably produced  
more rain, but high winds  
~~blew~~ blew the rain  
across the rain gauge instead  
of into the gauge

SWU N - (visby 4 mi)

Cig rpd

3rd Highest wind gust ever recorded

Wed. Nov 22 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	31 °F	Dir. —	Temp. 74°			
Min.	20 °F	Vel. 0 m.p.h.	Read. 28.79			
Set	20 °F	Char. cum	Corr. 28.66	-Ramos: 27, 18		
R. H.	59 %	24 hr. Mov. 123.	Sea L. 30.07	0700 Clds. cumulus 5/10 stratus cumulo cum	1300 Clds.	1900 Clds.
Ppn. Liq.	0 in.	Prev. Dir. WAW	3 hr. Tend. + 1/2	Wx • Sunny	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer JCK	Vis. 35 mi.	Vis.	Vis.

$$T_{\text{roof}} = 19 \quad \overline{T} = 26 \quad \sum PCN_{\text{r}} = 2.52''$$

$$T_{\text{cl. roof}} = 10 \quad HAD = 39 \quad \sum PCN_{\text{c}} = .5''$$

$$T_{\text{cl. univ}} = 7 \quad \sum IAD = 513$$

$$CDD = 0$$

$$\sum CDD = 0$$

THURS. NOV 23, 1989 0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	26 °F	Dir. NNW	Temp. 75	Cu over RIDGES; Ci SE S--1245-1315 LT S-1610-0500 LT PLW VRY LT THRU 0200LT 0200-0500 LT ONLY S SNOW VRY DRY, "FLUFFY"		
Min.	19 °F	Vel. 7 m.p.h.	Read. 28.68			
Set	19 °F	Char. STDY	Corr. 28.55			
R. H.	81 %	24 hr. Mov. 22.6 mi.	Sea L. 29.98	0700 Clds. 1/10	1300 Clds.	1900 Clds.
Ppn. Liq.	0.13 in.	Prev. Dir. NNE	3 hr. Tend. +2.0 mb	Wx CLR	Wx	Wx
Ppn. Sol.	2.4 in.	Snow Depth 2 in.	Observer JHM	Vis. 30 mi.	Vis.	Vis.

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

$$T_{d \text{ root}} = 5$$

$$T_{d \text{ unv}} = 14$$

$$\bar{T} = 23$$

$$DD = 42 \quad \Sigma DD = 555$$

$$\Sigma PCN(L) = 2.65''$$

$$\Sigma PCN(S) = 2.9''$$

FRI NOV 24, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	31 °F	Dir.	WSW	Temp.	75	INTERMITTENT SW-- MID-AFTERNOON 23 <sup>rd</sup> - EARLY AM 24 <sup>th</sup>		
Min.	15 °F	Vel.	10 m.p.h.	Read.	28.86			
Set	20 °F	Char.	G15	Corr.	28.73			
R. H.	77 %	24 hr. Mov.	NA	Sea L.	30.17	0700	1300	1900
Ppn.	T in.	Prev. Dir.	NA	3 hr. Tend.	+2.0 mb	Clds. CU, <sup>U</sup>	Clds.	Clds.
Ppn.	T in.	Snow Depth	1 in.	Observer	JHM	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						25 mi.		

$$T_{\text{trans}} = NA$$

$$T_{\text{d unv}} = 14$$

$$\bar{T} = 23$$

$$DD = 42$$

$$\sum DD = 597$$

$$\sum p_{LN}(L) = 2.65''$$

$$\sum p_{LN}(S) = 2.9''$$

SAT. Nov 25 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	34 °F	Dir.	W	Temp.	75°	• ~ 70% - 80% of ground still covered with snow, mostly in shade or where drifting occurred.		
Min.	20 °F	Vel.	4 m.p.h.	Read.	28.89			
Set	29 °F	Char.	• Light • steady	Corr.	28.67			
R. H. UNV	51 %	24 hr. Mov.	NA	Sea L.	30.08	0700	1300	1900
Ppn. Liq.	0 in.	Prev. Dir.	NA	3 hr. Tend.	± 0 —	Clds. 10/10	Clds.	Clds.
Ppn. Sol.	0 in.	Snow Depth	T in.	Observer	JCK	Wx -ovc	Wx	Wx
						Vis. 35 mi.	Vis.	Vis.

$$T_{roof} = 31 \quad \bar{T} = 27 \quad \sum PCN_s = 2.65''$$

$$T_w = \text{---} \quad HDD = 28 \quad \sum PCN_s = 2.9''$$

$$T_d = \text{---} \quad \sum HDD = 635$$

$$CDD = 0$$

$$T_{min} = 30 \quad \sum CDD = 0$$

$$T_{down} = 14$$

Sun Nov 26 1979

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	51 °F	Dir.	WSW	Temp.	75°	No more snow on ground R-, L~0400-0700 LT .Rams: 50, 43		
Min.	29 °F	Vel.	5 m.p.h.	Read.	28.50			
Set	45 °F	Char.	Steady	Corr.	28.37			
R. H.	80 %	24 hr. Mov.	NA	Sea L.	29.72	0700	1300	1900
						Clds.	Clds.	Clds.
Ppn.	.02 in.	Prev. Dir.	NA	3 hr. Tend.	-1/2 L	Wx	Wx	Wx
						Wx	Wx	Wx
Ppn.	0 in.	Snow Depth	0 in.	Observer	JCK	Vis.	Vis.	Vis.
						5 mi.		

$$T_{\text{roof}} = 47 \quad \bar{T} = 40 \quad \sum PCN_L = 2.67''$$

$$T_w = 44 \quad HDD = 25 \quad \sum PCN_S = 2.9''$$

$$T_d = 41 \quad \sum HDD = 660$$

$$CDD = 0$$

$$\sum CDD = 0$$

MON NOV 27, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	47 °F	Dir. SW	Temp. 76°	DISTANT ST ALQDS L,R - 0700 - 1000 LT, 26th		
Min.	28 °F	Vel. — m.p.h.	Read. 28.91			
Set	29 °F	Char. CALM	Corr. 28.77			
R. H.	59 %	24 hr. Mov. NA	Sea L. 30.19	RAMOS OVNT LO: 30 C. 0700LT		
Ppn.	.03 in.	Prev. Dir. NA	3 hr. Tend. +1.0	0700	1300	1900
Ppn.	— in.	Snow Depth — in.	Observer MJL	Clds. St 1/10	Clds.	Clds.
				Wx CLEAR	Wx	Wx
				Vis. 15mi	Vis.	Vis.

$$T_{\text{ROOF}} = 35 \quad T_{\omega} = 30.5 \quad T_0 = 22 \quad T_{0_{\text{UNV}}} = 25$$

$$\bar{T} = 38$$

$$\text{HDD} = 27$$

$$\sum_{\text{HDD}} = 687$$

$$\sum_{\text{PCN}(L)} : 2.70''$$

$$\sum_{\text{PCN}(S)} : 2.9''$$

Tues. Nov. 28, 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	51 °F	Dir. SW	Temp. 75	JPW - 0645 LT ~ 1715 - 1815 LT } mixed RW - 1705 - 1800 LT RW - 0640 - 0700 LT. Brief RW Gust to 46 mph @ 0550 LT. PWS Temp 3 mb in 5 min. WmFropa. L-B ~ 0645 LT PWS Unstady. Raos: 49/37		
Min.	29 °F	Vel. 12 m.p.h.	Read. 28.48			
Set	50 °F	Char. Gusting to 20	Corr. 28.35			
R. H.	86 %	24 hr. Mov. 190.5	Sea L. 29.70	Clds. 0700 4s 700 sc	Clds. 1300	Clds. 1900
Ppn. Liq.	.14 in.	Prev. Dir. S	3 hr. Tend. mm 0.0 mb	Wx R-L-	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer ESP	Vis. 4 mi	Vis.	Vis.

Proof: 50

Tuet: 448

Td: 46

T: 400

Hoo: 25

$\Sigma Hoo$ : 625

$\Sigma pen(u)$ : 2.81"

$\Sigma pen(w)$ : 2.9"

Wed. Nov 29 1989

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	55 °F	Dir.	NW	Temp.	• TRACK of L WAS EARLY AFTERNOON, BUT THAT IS ALL I KNOW. ~ 1305 LT  • Ramos: 54, 25			
Min.	27 °F	Vel.	6-20 m.p.h.	Read.				28.83
Set	27 °F	Char.	variable	Corr.				28.70
R. H.	65 %	24 hr. Mov.	268.4	Sea L.	30.12	0700	1300	1900
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Clds.	00% amount 10			
T	in.	W	4 1/2 /	Wx	• WINDY • FOGGERS			
Ppn.	Sol.	Snow Depth	Observer	Vis.	30 mi			
T	in.	0 in.	JCK	Vis.	Vis.			

$$\bar{T}_{\text{roof}} = 28 \quad \bar{T} = 41 \quad \sum \text{PCN}_4 = 2.8''$$

$$T_w = - \quad \text{HDD} = 24 \quad \sum \text{PCN}_5 = 2.9''$$

$$T_d = - \quad \sum \text{HDD} = 709$$

$$\text{CDD} = 0$$

$$T_{\text{NW}} = 26 \quad \sum \text{CDD} = 0$$

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

Thurs. Nov. 20, 1929

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	29 °F	Dir.	W	Temp.	72	SW 0830-0900 LT SW- 0900-1000 LT SW-- 0900-001		
Min.	20 °F	Vel.	23 m.p.h.	Read.	28.74	SWU all quads Binoce		
Set	27 °F	Char.	Coasting to 36	Corr.	28.61	Rains over to: 19 (~32)		
R. H.	64 %	24 hr. Mov.	196.8 mi	Sea L.	30.04	0700	1300	1900
Ppn.	T in.	Prev. Dir.	WSW	3 hr. Tend.	-0.5 mb	Clds.	Clds.	Clds.
Ppn.	0.1 in.	Snow Depth	0 in.	Observer	ESP	Wx	Wx	Wx
						Wx	Wx	Wx
						SW--		
						Vis.	Vis.	Vis.
						4 mi		

T<sub>roof</sub>: 26.5

T<sub>wr</sub>: 24

T<sub>dMNV</sub> = 16

F: 25

H<sub>20</sub>: 40

E<sub>h20</sub>: 749

Σpcn(L): 2.81"

Σpcn(S): 3.0"