

Monday Nov 1, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. * 35 °F	Dir. W	Temp. 64 °F		S - ocnl S 085 (31 <sup>st</sup> ) - 1100 LT		
Min. 31 °F	Vel. 8 m.p.h.	Read. 28.57 in.		S - mixed JP, R - 1100 - 1430 <span style="float: right;">OVER</span>		
Set 31 °F	Char. Gusts 16	Corr. 28.47 in.		S - ocnl S 1430 - 1730 LT		
			0700	1400	1900	
R.H. 76 %	24 hr. Mov. - mi.	Sea L. 29.86 in.	Clds. 10/10	Clds. 10/10	Clds. 8/10	
Ppn. Liq. .57 in.	Prev. Dir. -	3 hr. Tend. +2.91 mb	Wx S-	Wx SW-	Wx Clearing	
Ppn. Sol. 4.1 * in.	Snow Depth 1 * in.	Observer DLD	Vis. 3 mi.	Vis. 15-SW 5-E mi.	Vis. 10 mi.	

$$\bar{T} = 33$$

$$HDD = 32$$

$$\Sigma HDD = 32$$

$$\Sigma PCN_2 = 0.57''$$

$$\Sigma PCN_5 = 4.1''$$

$$T_{RAMOS} = 30/21$$

$$T_{UNV} = 31/27$$

OBS. CONT.

OCNL S-, SW- 1730 - OBS (15+)

\* SNOW DEPTH 2-3" on golf course

\* RECORD MIN MAX - PREVIOUS 37° - 1917

RECORD SNOWFALL for Nov 1,

PREVIOUS 0.1" - 1951

GREATEST snow  
so early in

season

2.5" - 10/30/25

7.6" - 11/05/39

Tuesday, November 2, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max. <sup>*</sup>	35 °F	Dir.	NW	Temp.	68 °F	- ocnl SW - throughout morning & mid afternoon. * TIES RECORD MAX. FROM 1953 & 1954					
Min.	30 °F	Vel.	5 m.p.h.	Read.	29.25 in.						
Set	31 °F	Char.	LdV	Corr.	29.13 in.						
R.H.	78 %	24 hr. Mov.	NA mi.	Sea L.	30.56 in.	0700	1800	1900			
Clds.	3/10 Sc	Clds.	3/10 Ci	Clds.	OVC						
Ppn.	T in.	Prev. Dir.	NA	3 hr. Tend.	+3.0/mb	Wx	Blue	Wx	Sunny	Wx	Calm + cold
Ppn.	T in.	Snow Depth	T in.	Observer	5GG	Vis.	25 mi.	Vis.	25 mi.	Vis.	6 mi.

$$\bar{T} = 33$$

$$HDD = 32$$

$$\Sigma HDD = 64$$

$$\Sigma PCN_L = 0.57''$$

$$\Sigma PCN_S = 4.1''$$

$$T_{RPMs} = 31/19$$

$$T_{min} = 31/25$$

Wednesday, Nov 3, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.			
Max.			Dir.	Temp.	* trace of snow on golf course in areas sheltered from full sun (patches of snow)			
46	°F		WSW	70				°F
Min.	*		Vel.	Read.	* overnight low = 35°			
31	°F		8 m.p.h.	28.99				in.
Set			Char.	Corr.	0700	1300	1900	
36	°F		5v. 10	28.87	in.			
R.H.			24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
59	%		- mi.	30.27	in.	10/10 Cc Cs	10/10	10/10
Ppn.	Liq.		Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0	in.		-	-1.0v mb	Cloudy & cool	R h/est	Rw-	
Ppn.	Sol.		Snow Depth *	Observer	Vis.	Vis.	Vis.	
0	in.		T in.	HDS	20 mi.	20 mi.	7 mi.	

$\bar{T} = 39$   
HDD = 26  
 $\Sigma \text{HDD} = 80$   
 $\Sigma \text{PCN}_L = 0.57''$   
 $\Sigma \text{PCN}_S = 4.1''$

$T_{\text{amos}} = 36/20$   
 $T_{\text{UNN}} = 36/26$

Thursday Nov 4, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.				
Max.	43 °F	Dir.	SW	Temp.	70 °F	OCNL R-, S- ~ 1030 LT				
Min.	35 °F	Vel.	7 m.p.h.	Read.	28.92 in.	OCNL R- ~ 1300 LT, 1700-1900 LT				
Set	35 °F	Char.	steady	Corr.	28.80 in.	FOG IN VALLEY EAST				
R.H.	90 %	24 hr. Mov.	— mi.	Sea L.	30.20 in.	Clds.	4/10	Clds.	10/10	
Ppn.	T in.	Prev. Dir.	—	3 hr. Tend.	-0.17 mb	Wx	Cirrus	Wx	Tranquil	
Ppn.	T in.	Snow Depth	0 in.	Observer	DLD	Vis.	15 mi.	Vis.	6 mi.	
								0700	1300	1900

$$\bar{T} = 39$$

$$T = 37 \quad T_w = 36 \quad T_b = 34\frac{1}{2}$$

$$HDD = 26$$

$$T_{RAMOS} = 37/28$$

$$\Sigma HDD = 106$$

$$T_{UNR} = 36/31$$

$$\Sigma PCN_2 = 0.57''$$

$$\Sigma PCN_5 = 4.1''$$



Friday November 5, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	53 °F	Dir. SW	Temp. 73 °F	- Higher clouds & patches of blue visible through BINOC		
Min.	* 35 °F	Vel. 4 m.p.h.	Read. 28.56 in.	R- 2240-2330 LT 0530-0645 LT L- 0645-0700 LT		
Set	47 °F	Char. steady	Corr. 28.43 in.	* overnight low ~ 47"		
R.H.	86 %	24 hr. Mov. - mi.	Sea L. 27.78 in.	Clds. 10/10 St.	Clds. 10/10	Clds. 0/10
Ppn.	Liq. .04 in.	Prev. Dir. -	3 hr. Tend. -1.7 mb	Wx Ocnl L-	Wx thin spots in OVC	Wx VES: Tower top Ground 4.5
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer HDS	Vis. 5 F mi.	Vis. 5 mi.	Vis. 2 mi.

$$\begin{aligned}\bar{T} &= 44 \\ HDD &= 21 \\ \Sigma HDD &= 127 \\ \Sigma PCN_L &= 0.61'' \\ \Sigma PCN_S &= 4.1''\end{aligned}$$

$$T = 46 \quad T_W = 44 \quad T_D = 42$$

$$T_{\text{trans}} = 46/38$$

$$T_{\text{UNV}} = 47/43$$

Saturday, November 6, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	58 °F	Dir.	W	Temp.	L- 0700 - 0830 LT		
Min.	39 °F	Vel.	20 m.p.h.	Read.	RW- 1235 LT - 1400 LT		
Set	40 °F	Chan	Steady	Corr.	T heard 1245 LT		
R.H.	60 %	24 hr. Mov.	NA mi.	Sea L.	Ochl RW- after 2000 LT		
Ppn.	0.14 in.	Prev. Dir.	NA	3 hr. Tend.	0700	1300	1900
Ppn.	0 in.	Snow Depth	0 in.	Observer	Clds. 10/10 Sc	Clds.	Clds.
					Wx Bright East	Wx	Wx
					Vis. 10 mi.	Vis.	Vis.

$$\bar{T} = 49$$

$$H_{DD} = 16$$

$$\Sigma H_{DD} = 143$$

$$\Sigma PCN_2 = 0.75''$$

$$\Sigma PCN_5 = 4.1''$$

$$T = 40$$

$$T_w = 35$$

$$T_o = 27$$

$$T_{unn} =$$

$$T_{trans} = 39/24$$

Sunday, November 7, 1993  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 42 °F	Dir. W	Temp. 69 °F		RW - 1230 LT SW - 2345 LT		
Min. 31 °F	Vel. 12 m.p.h.	Read. 28.89 in.				
Set 32 °F	Char. gusts to 20	Corr. 28.77 in.		0700	1300	1900
R.H. 56 %	24 hr. Mov. - mi.	Sea L. 30.18 in.		Clds. 10/10 Sc	Clds.	Clds. 9/10
Ppn. .01 in.	Liq. -	Prev. Dir. -	3 hr. Tend. +3.0 / mb	Wx BKNVC E	Wx	Wx BKNVC
Ppn. T in.	Sol. -	Snow Depth 0 in.	Observer HDS	Vis. 20 mi.	Vis. mi.	Vis. 10 mi.

$$\bar{T} = 37$$

$$HDD = 28$$

$$\Sigma HDD = 171$$

$$\Sigma PCN_L = 0.76''$$

$$\Sigma PCN_S = 4.1''$$

$$T_{amos} = 31/14$$

$$T_{uni} = 32/19$$

MONDAY Nov 8, 1953

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	37 °F	Dir.	W	Temp.	6.8 °F	SW - 0750 LT, 0930 LT		
Min.	29 °F	Vel.	9 m.p.h.	Read.	29.18 in.			
Set	31 °F	Char.	Steady	Corr.	29.06 in.	0700	1300	1900
R.H.	61 %	24 hr. Mov.	— mi.	Sea L.	30.47 in.	Clds.	Clds. #	Clds.
Ppn.	T in.	Prev. Dir.	—	3 hr. Tend.	+1.9 / mb	7/10 Ac	5/10 Ci	0/10
						Wx	Wx	Wx
						Cold	Sunny	Cool
Ppn.	T in.	Snow Depth	0 in.	Observer	DLD	Vis.	Vis.	Vis.
						20 mi.	20 mi.	5 mi.

$$\bar{T} = 33$$

$$HDD = 32$$

$$\sum HDD = 203$$

$$\sum PCN_4 = 0.76''$$

$$\sum PCN_5 = 4.1''$$

$$T_{Ramos} = 30/16$$

$$T_{unn} = 32/20$$



Tuesday, November 9, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.							
Max.	45 °F	Dir.	-	Temp.	69 °F	- Frost on golf course. - Thin haze layer visible in valley to the east.					
Min.	24 °F	Vel.	0 m.p.h.	Read.	29.19 in.						
Set	25 °F	Char.	calm	Corr.	29.07 in.						
				0700	1800	1900					
R.H.	74 %	24 hr. Mov.	- mi.	Sea L.	30.51 in.	Clds.	9/10 - Cs	Clds.	10/10 Cs	Clds.	0/10
Ppn.	0 in.	Prev. Dir.	-	3 hr. Tend.	-0.25 mb	Wx	Nonthreatening skies	Wx	Cold	Wx	Starry
Ppn.	0 in.	Snow Depth	0 in.	Observer	HDS	Vis.	20 mi.	Vis.	20 mi.	Vis.	5 mi.

$$\bar{T} = 35$$

$$HDD = 30$$

$$\Sigma HDD = 233$$

$$\Sigma PCN_L = .76''$$

$$\Sigma PCN_S = 4.1''$$

$$T_{\text{amos}} = 25/16$$

$$T_{\text{UNV}} = 25/20$$

Wednesday November 10, 1993 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	46 °F	Dir.	-	Temp.	69 °F	-much frost this morning		
Min.	23 °F	Vel.	0 m.p.h.	Read.	29.34 in.			
Set	25 °F	Char.	Calm	Corr.	29.02 in.			
R.H.	81 %	24 hr. Mov.	NA mi.	Sea L.	30.47 in.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	NA	3 hr. Tend.	+0.21 mb	Clds. 2/10 St	Clds. 6/10	Clds. 0/10
Ppn.	0 in.	Snow Depth	0 in.	Observer	SEGG	Wx SK over mbns.	Wx Thin Haze	Wx CALM
						Vis. 20 mi.	Vis. 20 mi.	Vis. 15 mi.

T = 35

H<sub>00</sub> = 30

ΣH<sub>00</sub> = 263

ΣPEN<sub>L</sub> = 76"

ΣPEN<sub>S</sub> = 4.1"

TRAMS = 24/15

TUNN = 27/20

Thursday Nov 11, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	52 °F	Dir. SSW	Temp. 68 °F	* overnight Low = 26 Frost on golf course		
Min.	25 °F	Vel. 6 m.p.h.	Read. 29.01 in.	Fog in Penns Valley & along base of Tussey Ridge		
Set	29 °F	Char. steady	Corr. 28.89 in.	0700	1200	1900
R.H.	66 %	24 hr. Mov. — mi.	Sea L. 30.30 in.	Clds. 2/10 -ci	Clds. 4/10 ci	Clds. 0/10
Ppn.	0 in.	Prev. Dir. —	3 hr. Tend. -0.2 v mb	Wx Frosty	Wx CLEARING from NW to SE	Wx Peaceful
Ppn.	0 in.	Snow Depth 0 in.	Observer DLD	Vis. 15 mi.	Vis. 20 mi.	Vis. 4 mi.

$$\bar{T} = 39$$

$$HDD = 26$$

$$\Sigma HDD = 289$$

$$\Sigma PCN_L = .76''$$

$$\Sigma PCN_S = 4.1''$$

$$T_{RMS} = 30/17$$

$$T_{MAX} = 30/23$$

Friday, November 12, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	55 °F	Dir. W	Temp. 74 °F			
Min.	* 29 °F	Vel. 20 m.p.h.	Read. 28.90 in.			
Set	51 °F	Char. steady	Corr. 28.77 in.	*overnight low ~ 41°		
				0700	1300	1900
R.H.	44 %	24 hr. Mov. - mi.	Sea L. 30.12 in.	Clds. 8/10 St	Clds. 3/0 Cu	Clds. 0/0
Ppn.	0 in.	Prev. Dir. -	3 hr. Tend. +2.01 mb	Wx Pleasantly Mild	Wx Quite Hazy	Wx Lb. Fog
Ppn.	0 in.	Snow Depth 0 in.	Observer HDS	Vis. 20 mi.	Vis. 10 mi.	Vis. 5 mi.

$$\begin{aligned}\bar{T} &= 43 \\ \text{HDD} &= 22 \\ \Sigma \text{HDD} &= 311 \\ \Sigma \text{PCN}_L &= .76 \\ \Sigma \text{PCN}_S &= 4.1\end{aligned}$$

$$T = 50 \quad T_w = 41 \quad T_o = 29$$

$$T_{\text{ramos}} = 50/29$$

$$T_{\text{unv}} = 51/31$$





T = 45

HOD = 20

SHOD = 33.1

SPCN<sub>L</sub> = 0.77"

SPCN<sub>S</sub> = 4.1"

T = 43

T<sub>L</sub> = 40

T<sub>D</sub> = 37

T<sub>UNN</sub> = 40/31 (RW-)

T<sub>TRANS</sub> = 41/29

Sunday, November 14, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 50 °F	Dir. -	Temp. 75 °F	R- 0700 - 0930 LT 1330 - 1515 LT			
Min. 43 °F	Vel. 0 m.p.h.	Read. 28.90 in.	R 1515 - 1645 LT R- 1645 - 1800 LT			
Set * 48 °F	Char. calm	Corr. 28.76 in.	*overnight low = 47°			
R.H. 86 %	24 hr. Mov. - mi.	Sea L. 30.13 in.	Clds. 10 10 Sc	Clds. 1300	Clds. 1900 10/10 NS	
Ppn. Liq. .39 in.	Prev. Dir. -	3 hr. Tend. 0.0 - mb	Wx Muggy + foggy	Wx	Wx RW fog	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer HDS	Vis. 5 v. 7 mi.	Vis. mi.	Vis. mi.	

$$\bar{T} = 47$$

$$HDD = 18$$

$$\Sigma HDD = 349$$

$$\Sigma PCN_L = 1.16''$$

$$\Sigma PCN_S = 4.1''$$

$$T = 49 \quad T_w = 47 \quad T_o = 45$$

$$T_{\text{ramos}} = 49/43$$

$$T_{\text{JUNY}} = 47/45$$

MONDAY NOVEMBER 15, 1923 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	68 °F	Dir. SW v. NW	Temp. 72 °F	* OVERNIGHT LOW at 2000 LT - 5.6°		
Min.	48 * °F	Vel. 8 m.p.h.	Read. 28.74 in.	RW - 1205 - 1300 LT RW - , OCNL RW 1555 - 1905 LT		
Set	62 °F	Char. Gusts 17	Corr. 28.61 in.	0700	1800	1900
R.H.	84 %	24 hr. Mov. — mi.	Sea L. 29.92 in.	Clds. 10/10 Sc	Clds. 9/10 Sc	Clds. 7/10 Sc
Ppn.	.33 in.	Prev. Dir. —	3 hr. Tend. + 0.4 / mb	Wx Balmly for Nov.	Wx M. D. Sprinkles Wind 30mph	Wx M. Cloudy + cool
Ppn.	0 in.	Snow Depth 0 in.	Observer DLD	Vis. 20 mi.	Vis. 20 mi. Blw to Wind & water	Vis. 4 mi.

$$\bar{T} = 58$$

$$HDD = 7$$

$$\sum HDD = 356$$

$$\sum PCN_L = 1.49''$$

$$\sum PCN_S = 4.1''$$

$$T = 63 \quad T_W = 60 \quad T_D = 58$$

$$T_{RAMOS} = 63/50$$

$$T_{UNV} = 63/56$$

OBS. CONT.

RW - 2100 - 2300 LT

RW - ~ 0100 LT

Tuesday, November 16, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max.	67 °F	Dir.	NW	Temp.	70 °F	RW- 1055 LT, Gust to 30mph					
Min.	45 °F	Vel.	6 m.p.h.	Read.	29.18 in.						
Set	45 °F	Char.	steady	Corr.	29.06 in.						
R.H.	62 %	24 hr. Mov.	- mi.	Sea L.	30.45 in.	0700	1000	1900			
Clds.	19/10 Sc	Clds.	10/10 Sc	Clds.	0/10						
Ppn.	.01 in.	Prev. Dir.	-	3 hr. Tend.	+1.75/mb	Wx	BINOVC	Wx	mild few breaks	Wx	cool
Ppn.	0 in.	Snow Depth	0 in.	Observer	HDS	Vis.	20 mi.	Vis.	20 mi.	Vis.	10 mi.

$$\bar{T} = 56$$

$$HDD = 9$$

$$\Sigma HDD = 365$$

$$\Sigma PCN_L = 1.49''$$

$$\Sigma PCN_S = 4.1''$$

$$T = 45 \quad T_w = 39.5 \quad T_o = 32.5$$

$$T_{\text{trans}} = 45/30$$

$$T_{\text{unv}} = 46/24$$



Wednesday, November 17, 1993 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.						
Max.	53 °F	Dir.	—	Temp.	RW- 6500 → Obs Ridge tops visible (barely)						
				72 °F							
Min.	37 °F	Vel.	0 m.p.h.	Read.				28.96 in.			
Set	40 °F	Char.	Calm	Corr.	28.83 in.	0700	10 1500	1900			
R.H.	93 %	24 hr. Mov.	NA mi.	Sea L.	30.22 in.	Clds. 10/10 NS	Clds. 10/10 NS	Clds. 10/10			
Ppn.	.13 in.	Prev. Dir.	NA	3 hr. Tend.	+3.07 mb	Wx	RW-F	L--F	Wx	RW-E	
Ppn.	0 in.	Snow Depth	0 in.	Observer	SGG	Vis.	1/2 mi.	Vis.	5 mi.	Vis.	3 mi.

$$\bar{T} = 45$$

$$H_{DD} = 20$$

$$\Sigma H_{DD} = 385$$

$$\Sigma PCN_L = 1.62''$$

$$\Sigma PCN_S = 4.1''$$

$$T = 40$$

$$T_w = 39$$

$$T_o = 38$$

$$T_{uw} = 38/35$$

$$T_{rms} = 40/33$$

Thursday November 18, 1993 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 54 °F	Dir. N	Temp. 71 °F		RW- OBS (17 <sup>th</sup> ) - 0720 LT, 1050 LT - 1120 LT, 1540 LT - 1620 LT TRW- OCNL TRW OVER		
Min. 38 °F	Vel. 9 m.p.h.	Read. 29.04 in.				
Set 38 °F	Char. steady	Corr. 28.91 in.				
				0700	1200	1900
R.H. 81 %	24 hr. Mov. — mi.	Sea L. 30.31 in.	Clds. 6/10 Ac — Ci	Clds. 10/10 - Ci	Clds. 0/10	
Ppn. .33 in.	Liq. —	Prev. Dir. —	3 hr. Tend. + 2.1 / mb	Wx Few Contrails	Wx 22° HALO!	Wx Cool
Ppn. 0 in.	Sol. 0 in.	Snow Depth 0 in.	Observer DLD	Vis. 20 mi.	Vis. 25 mi.	Vis. 5 mi.

$\bar{T} = 46$

HDD = 19

$\Sigma$  HDD = 404

$\Sigma$  PCN<sub>2</sub> = 1.95"

$\Sigma$  PCN<sub>5</sub> = 4.1"

T = 38 T<sub>w</sub> = 34 T<sub>d</sub> = 28

T<sub>trans</sub> = 38/23

T<sub>uvv</sub> = 38/26

OBS CONT

1620 - 1700 LT

RW - 1700 - 1900 LT

PR JMP @ 1700 LT - 2.7 mb

COLD FROPA @ 1930 LT

OCNL RW -- 1930 LT - 2300 LT

Friday, November 19, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	45 °F	Dir.	S	Temp.	71 °F				
Min.	35 °F	Vel.	12 m.p.h.	Read.	28.79 in.				
Set	41 °F	Char.	10v.15	Corr.	28.67 in.	0700	11 000	1900	
R.H.	60 %	24 hr. Mov.	- mi.	Sea L.	30.05 in.	Clds.	10/10 St	Clds.	5b 10/10 Sc
Ppn.	0 in.	Prev. Dir.	-	3 hr. Tend.	-3.01 mb	Wx	Grey OVC	Wx	Very Grey Pv-
Ppn.	0 in.	Sol.	0 in.	Snow Depth	0 in.	Observer	HDS	Vis.	20 mi.
								Vis.	20 mi.
								Vis.	10 mi.

$$\bar{T} = 40$$

$$T = 39 \quad T_w = 34 \quad T_o = 26$$

$$HDD = 25$$

$$T_{\text{ramos}} = 39/26$$

$$\Sigma HDD = 429$$

$$T_{\text{UNV}} = 41/32$$

$$\Sigma PCN_L = 1.95''$$

$$\Sigma PCN_S = 4.1''$$

Saturday, November 20, 1993 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	48 °F	Dir.	W	Temp.	71 °F	RW-SW-(0001) began as RW-around 0820ulu.			
Min.	36 °F	Vel.	620 10 m.p.h.	Read.	28.50 in.	min sea-level Pres. 1001mb " 5bn pres. 958mb			
Sea	36 °F	Char.	Highly Variable	Corr.	28.38 in.	0700	1300	1900	
R.H.	91 %	24 hr. Mov.	NA mi	Sea L.	29.76 in.	Clds.	10 10/15	Clds.	3/10 Ac
Ppn.	.05 in.	Prev. Dir.	NA	3 hr. Tend.	+2.5 ✓ mb	Wx	SW	Wx	Wx Cold + Breezy
Ppn.	T in.	Snow Depth	Ø in.	Observer	JGG	Vis.	1/4v. 1/2 mi.	Vis.	6 mi.

$$\bar{T} = 42$$

$$HDD = 23$$

$$\Sigma HDD = 452$$

$$\Sigma PCN_L = 2.00''$$

$$\Sigma PCN_S = 4.1''$$

$$T = 36$$

$$T_w = 35$$

$$T_D = 33.5$$

$$T_{unw} = 36/37$$

$$T_{trans} = 37/19$$



Sunday, November 21, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. *	36 °F	Dir. SW	Temp. 68 °F	SW- (OCNL SW) 0700-0830 LT		
Min.	25 °F	Vel. 6 m.p.h.	Read. 29.01 in.	OCNL SW- 1200-0700 LT WINDY: 20-30 mph, G 48 mph		
Set	25 °F	Char. gusty	Corr. 28.89 in.	* Max temp = Previous Day Set		
R.H.	60 %	24 hr. Mov. - mi.	Sea L. 30.33 in.	Clds. 0/10	1300 Clds.	1900 Clds. 0/10
Ppn. Liq.	.01 in.	Prev. Dir. -	3 hr. Tend. +1.75/mb	Wx Clear + cold	Wx	Wx Clear
Ppn. Sol.	0.2 in.	Snow Depth 0 in.	Observer HDS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi. (max)

$$\bar{T} = 31$$

$$HDD = 34$$

$$ZHDD = 486$$

$$ZPCN_L = 2.01''$$

$$ZPCN_S = 4.3''$$

$$T_{ramos} = 26/11$$

$$T_{UNV} = 27/16$$

MONDAY Nov 22, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max.	49 °F	Dir.	SW	Temp.	69 °F	*Overnight Low = 29					
Min.	25 * °F	Vel.	8 m.p.h.	Read.	29.11 in.						
Set	32 °F	Char.	steady	Corr.	28.99 in.						
R.H.	64 %	24 hr. Mov.	- mi.	Sea L.	30.41 in.	Clds.	2/10 ci	Clds.	1/10 ci	Clds.	0/10
Ppn.	0 in.	Prev. Dir.	-	3 hr. Tend.	+0.2 / mb	Wx	Quiet!	Wx	Calm, mild, Sunny	Wx	Tranquil
Ppn.	0 in.	Sol.	0 in.	Snow Depth	0 in.	Observer	DLD	Vis.	25 mi.	Vis.	25 mi.
								Vis.	7 mi.		

$$\bar{T} = 37$$

$$HDD = 28$$

$$\sum HDD = 514$$

$$\sum PCN_L = 2.01''$$

$$\sum PCN_S = 4.3''$$

$$T_{Ramos} = 34/18$$

$$T_{UVV} = 34/22$$

$$T = 34 \quad T_w = 30 \quad T_0 = 23$$

Tuesday, November 23, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.			
Max.	56 °F	Dir.	-	Temp.	68 °F		- haze in valley to E
Min.	28 °F	Vel.	0 m.p.h.	Read.	29.16 in.		
Set	29 °F	Char.	calm	Corr.	29.04 in.		
				0700	1000	1900	
R.H.	69 %	24 hr. Mov.	- mi.	Sea L.	29.47 in.	Clds.	8/10 - CC CS
						Clds.	8/10 CS
						Clds.	3/10 C
Ppn.	0 in.	Prev. Dir.	-	3 hr. Tend.	+0.5 mb	Wx	chilly
						Wx	MILD
						Wx	Chilly
Ppn.	0 in.	Snow Depth	0 in.	Observer	HDS	Vis.	25 mi.
						Vis.	25 mi.
						Vis.	10 mi.

$$\bar{T} = 42$$

$$HDD = 23$$

$$\Sigma HDD = 537$$

$$\Sigma PCN_L = 2.01''$$

$$\Sigma PCN_S = 4.3''$$

$$T_{ramos} = 31/20$$

$$T_{UNV} = 30/24$$

Wednesday, November 24 1973 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	53 °F	Dir.	-	Temp.	57 °F	
Min.	27 °F	Vel.	0 m.p.h.	Read.	28.91 in.	
Set	38 °F	Char.	Calm	Corr.	28.80 in.	Omb Min = 34
R.H.	65 %	24 hr. Mov.	NA mi.	Sea L.	30.19 in.	
Ppn.	0 in.	Prev. Dir.	NA	3 hr. Tend.	-0.2 mb	
Ppn.	0 in.	Snow Depth	0 in.	Observer	JGG	
				Vis.	15 mi.	
				Vis.	15 mi.	
				Vis.	15 mi.	

Omb Min = 34

0700      1300      1900

Clds. 10/10      Clds. 10/10      Clds. 10/10

Wx Fog in valleys      Wx Very Grey      Wx Wind N @ 7 mph

$\bar{T} = 41$

$n_{HD} = 24$

$\Sigma HD = 561$

$\Sigma RV_{*} = 2.01''$

$\Sigma RV_{S} = 4.3''$

$T = 38$

$T_w = 34$

$T_b = 27.5$

$T_{un} = 36/30$

$T_{trans} = 37/25$



Thurs. NOV. 25, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	49 °F	Dir. NNE	Temp. 69 °F			
Min.	24 °F	Vel. 18 m.p.h.	Read. 29.28 in.			
Set	24 °F	Char. STIFF!	Corr. 29.16 in.			
R.H.	65 %	24 hr. Mov. — mi.	Sea L. 30.49 in.	0700	1300	1900
				Clds. 3/10 AC Lentic.	Clds.	Clds. 10/10
Ppn.	Liq. 0 in.	Prev. Dir. —	3 hr. Tend. 13.0 mb	Wx BRISK	Wx	Wx BRNOVC
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.	Vis.	Vis. 15 mi.

$$\bar{T} = 37$$

$$T_d \text{ ranges} = 10$$

$$H_{DD} = 28$$

$$T_d \text{ unv} = 15$$

$$\Sigma H_{DD} = 589$$

$$\Sigma PCN(L) = 2.02''$$

$$(S) = 4.3''$$

FRI. NOV. 26, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	37 °F	Dir. SW	Temp. 69 °F			
Min.	24* °F	Vel. 5 m.p.h.	Read. 29.22 in.	* OVRNT LO ≈ 28		
Set	31 °F	Char. OV10	Corr. 29.10 in.			
R.H.	66 %	24 hr. Mov. — mi.	Sea L. 30.44 in.	0700	1300	1900
Clds.			Clds. 10/10 <sup>v</sup>	Clds.		Clds. 5/10
Ppn.	0 in.	Prev. Dir. —	3 hr. Tend. STDY mb	Wx BKN OVC (cica vis.)	Wx	Wx SCT
Ppn.	0 in.	Snow Depth 0 in.	Observer JHM	Vis. 15 mi.	Vis. mi.	Vis. 15 mi.

$$\bar{T} = 31$$

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

$$H_{\text{DD}} = 34$$

$$T_{\text{d unv}} = 22$$

$$\Sigma H_{\text{DD}} = 623$$

$$\Sigma \text{pcw}(L) = 2.02''$$

$$(S) = 4.3''$$

SAT. NOV 27, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F	Dir. ESE	Temp. 68 °F	RIDGETOPS OBSOBERD FORT RW - 0200 - 0445 LT L - 0445 LT - OBS MIN TEMP OCCURD AFTER OBS, 26TH DUNITE TEMPS 36-38			
Min. * 30 °F	Vel. 12 m.p.h.	Read. 29.10 in.				
Set 38 °F	Char. 67020	Corr. 28.98 in.	0700	1300	1900	
R.H. 82 %	24 hr. Mov. — mi.	Sea L. 30.34 in.	Clds. 10/10 ST	Clds.	Clds. 10/10	
Ppn. Liq. .07 in.	Prev. Dir. —	3 hr. Tend. 1-1.5 mb	Wx L--	Wx	Wx R-windy 10/10	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 3.4 mi.	Vis. mi.	Vis. 4 mi.	

$$\bar{T} = 34$$

$$T_{\text{roof}} = 37 \quad T_w = 35 \quad T_d = 32$$

$$H_{\text{DD}} = 31$$

$$T_{\text{dmin}} = 29$$

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

$$\sum H_{\text{DD}} = 654$$

$$\sum p_{\text{LW}}(\omega) = 2.09''$$

$$\omega = 4.3''$$

SUN NOV 28, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. <sup>*</sup>	54 °F	Dir. SW	Temp. 72 °F	* REL PRECIP. FOR DATE, FOR MONTH 5th HIGHEST 24 HR TOTAL ON REC. (OVER) SLUD ON RIDGETOPS CURNT LD = 41		
Min.	38 °F	Vel. 8 m.p.h.	Read. 28.58 in.			
Set	41 °F	Char. 67016	Corr. 28.45 in.			
R.H.	74 %	24 hr. Mov. — mi.	Sea L. 29.79 in.	Clds. 10/10 <sup>u</sup>	Clds. —	Clds. 5/10 <sup>sc</sup>
Ppn. Lig.	3.25* in.	Prev. Dir. —	3 hr. Tend. -1.3 mb	Wx L--	Wx —	Wx <del>to</del> Breezy
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer JHM	Vis. 12-15 mi.	Vis. — mi.	Vis. 17 mi.

$$\bar{T} = 46$$

$$T_{\text{roof}} = 43 \quad T_w = 39.5 \quad T_d = 35$$

$$H_{\text{DD}} = 19$$

$$T_{\text{drains}} = 31$$

$$T_{\text{down}} = 38$$

$$\Sigma H_{\text{DD}} = 673$$

$$\Sigma \text{pcn(L)} = 5.34''$$

$$(S) = 4.3''$$

R-(OCNLR):

0830 LT - 1100 LT

1200 LT - 1715 LT

1815 LT - 0445 LT: F&T R&D

OCNLR

\* ROOFTOP TEMPS TO 66 ??  
~ 0100 LT



MON NOV 29, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.				
Max.	41 °F	Dir.	SSW	Temp.	RW - 0710-0725 LT SW - 1730-1800 LT				
				69 °F					
Min.	30 °F	Vel.	5 m.p.h.	Read.				28.87 in.	
Set	31 °F	Char.	light	Corr.	28.75 in.	0700	1400	1900	
R.H.	60 %	24 hr. Mov.	- mi.	Sea L.	30.10 in.	Clds.	6/10 alcu	Clds. Stratus 10/10 FC	Clds. 10/10 Sc
Ppn.	.01 in.	Prev. Dir.	-	3 hr. Tend.	+25 mb	Wx	INCRSG. LLDS	Wx Cloudy, breezy Cool	Wx cloudy + cold
Ppn.	T in.	Snow Depth	0 in.	Observer	JHM	Vis.	30 mi.	Vis.	25 mi.
						Vis.		Vis.	5 mi.

$$\bar{F} = 36$$

$$T_{d \text{ um}} = 21$$

$$T_{d \text{ v amos}} = 16$$

$$H_{DD} = 29$$

$$\sum H_{DD} = 702$$

$$\sum p_{LN}(L) = 5.35''$$

$$(S) = 4.3''$$

Tuesday November 30, 1993

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	35 °F	Dir. WNW	Temp. 68 °F	OCNL SW-- (RANDOM FLAKES) AFTERNOON 29TH		
Min.	27 °F	Vel. 6 m.p.h.	Read. 29.27 in.			
Set	30 °F	Char. steady	Corr. 29.15 in.			
R.H.	69 %	24 hr. Mov. - mi.	Sea L. 30.59 in.	0700	1300	1900
Clds.				Clds. 7/10 Ac	Clds. 9/10 Cu	Clds. 0/10
Ppn.	T in.	Prev. Dir. -	3 hr. Tend. +3.5/ mb	Wx Mostly cloudy	Wx PRISTINE!	Wx Full moon over Mt. Nittany
Ppn.	T in.	Snow Depth 0 in.	Observer HDS	Vis. 20 mi.	Vis. 25 mi.	Vis. 15 mi.

$$\bar{T} = 31$$

$$HDD = 34$$

$$\Sigma HDD = 736$$

$$\Sigma PCN_L = 5.35''$$

$$\Sigma PCN_S = 4.3''$$

$$T_{ramos} = 29/17$$

$$T_{UNV} = 30/23$$