

Friday October 1, 2004 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 65 °F		Dir. —	Temp 75 °F			
Min. 45 °F		Vel. 0 m.p.h.	Read. 29.08 in.			
Set 45 °F		Char. Calm	Corr. 28.96 in.	0700	1300	1900
R.H. 93 %		24 hr. Mov. — mi.	Sea L. 30.35 in.	Clds. 1/10 Ci Cs	Clds.	Clds. 0/10
Ppn. 0 in.	Liq. in.	Prev. Dir. —	3 hr. Tend. /H mb	Wx —	Wx	Wx Clear
Ppn. — in.	Sol. in.	Snow Depth — in.	Observer KPA	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 55$   
 $HDD = 10$   
 $CDD = 0$   
 $S HDD = 0$   
 $\Sigma CDD = 10$   
 $\Sigma PCN_L = 0.00$

$T_{DAVIS} = 45/45$   
 $T_{unv} = 45/45$

$T = 45$   
 $TW = 45$

$PCN_{UTB} = M$   
 $\Sigma PCN_{UTB} = M$

Saturday, 2 October, 2004 0700 EST

Temp.		Wind	Barom.	General Obs.				
Max.	Dir.	Temp	* Overnight low at set					
70 °F	SW	73 °F						
Min.	Vel.	Read.						
45* °F	4 m.p.h.	28.95 in.	Set	Char.	Corr.	0700	1300	1900
64 °F	steady	28.83 in.	R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
92 %	— mi.	30.15 in.	10 As, Ac, 10 Cs, St	—	—	8 St, Sc, 10 As		
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	Wx	Wx	Wx
0.00 in.	—	-0.5 mb	Overcast w/ Fog					M. Cloudy
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	Vis.	Vis.	Vis.
0.0 in.	0 in.	AGM	3.5 mi.		mi.			20 mi.

T = 58

HDD = 7

CDD = 0

$\Sigma HDD = 17$

$\Sigma CDD = 0$

$\Sigma PCN_L = 0.00''$

$T_{DAVIS} = 63.5^\circ / 62^\circ$

$T_{UNV} = 64^\circ / 61^\circ$

$T_W = 63^\circ$

$T_D = 62^\circ$

$PCN_{LTS} = 0.00''$

$\Sigma PCN_{LTS} = 0.00''$

Sunday, 3 October, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	0840-1200LT: OCNL+DB 2100-2230 :TSLA			
70 °F	—	73 °F				
Min.	Vel.	Read.				
42 °F	0 m.p.h.	29.12 in.				
Set	Char.	Corr.	0700	1300	1900	
42 °F	calm	29.00 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
95 %	— mi.	30.39 in.	$\frac{0}{10}$		$\frac{4}{10}$ Cu	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.19 in.	—	+0.8 mb	Clear + Fog		Clear	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	0 in.	AGM	25 mi.	mi.	20 mi.	

$$\bar{T} = 56$$

$$HDD = 9$$

$$CDD = 0$$

$$\Sigma HDD = 26$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 0.19''$$

$$T_{DAVIS} = 42^\circ / 41.5^\circ$$

$$T_{UNV} = 41^\circ / 41^\circ$$

$$T_w = 41.5^\circ$$

$$T_D = 41^\circ$$

④ Fog at base of near side of both Nittany and Tussey ridges from NE to S, light fog along ridge top of Tussey from SW to SSE.

$$PCN_{LTB} = 0.00''$$

$$\Sigma PCN_{LTB} = 0.00''$$

Monday October 4, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	61 °F	Dir. SW	Temp 73 °F	* OUNT LOW 44		
Min.	42 °F	Vel. 1 m.p.h.	Read. 28.79 in.			
Set	44 °F	Char. light	Corr. 28.67 in.			
R.H.	89 %	24 hr. Mov. — mi.	Sea L. 30.04 in.	Clds. 2/10 Ci	Clds. 2/10 Cs Ci	Clds.
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. -0.2 mb	Wx light valley fog	Wx —	Wx
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SKM	Vis. 20 mi.	Vis. 25 mi.	Vis. mi.

$\bar{T} = 52$   
MDD = 13  
COD = 0  
 $\Sigma$ MDD = 39  
 $\Sigma$ COD = 0  
 $\Sigma$ PWL = 0.19"

$T_{avg} = 45/43$   
 $T_{dev} = 49/45$

$T_w = 43$   
 $T_c = 41$

PWL<sub>TB</sub> = N/A  
 $\Sigma$ PWL<sub>TB</sub> = N/A



Tuesday October 5, 2024

0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.			Dir.	Temp			
70	°F		N	73	°F		
Min.			Vel.	Read.			
41	°F		0 m.p.h.	29.16	in.		
Set			Char.	Corr.			
41	°F		Steady	29.04	in.	0700	1300
R.H.			24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
89	%		— mi.	30.43	in.	1/10	
Ppn.	Liq.		Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0.00	in.		—	2 / mb	light valley fog		Nice
Ppn.	Sol.		Snow Depth	Observer	Vis.	Vis.	Vis.
0.0	in.		0 in.	SUM	25 mi.		25 mi.

$\bar{T} = 50$   
CDD = 0  
HDD = 9  
 $\Sigma$ CDD = 0  
 $\Sigma$ HDD = 48  
 $\Sigma$ PCNL = 0.19?

$T_{avg} = 35/37$   
 $T_{equiv} = 45/38$

$T_w = 40$   
 $T_a = 38$

PCNL<sub>TB</sub> = N/A  
 $\Sigma$ PCNL<sub>TB</sub> = N/A

Wed Oct 6, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 56 °F	Dir. E	Temp 72 °F	PARTIAL FROST			
Min. 36 °F	Vel. 0 m.p.h.	Read. 29.23 in.				
Set 37 °F	Char. Calm	Corr. 29.11 in.	0700	1300	1900	
R.H. 92 %	24 hr. Mov. — mi.	Sea L. 30.52 in.	Clds. 2/10 ci	Clds. Ci 5/10 Cs	Clds. 0/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +1/ mb	Wx Valley fog	Wx —	Wx Clear	
Ppn. Sol. — in.	Snow Depth — in.	Observer TPI+	Vis. 12 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\bar{T} = 46$   
CDD = 0  
HDD = 19  
 $\Sigma CDD = 0$   
 $\Sigma HDD = 67$   
 $\Sigma PCN_L = 0.19$

$\bar{T}_{davis} = 37/37$      $T_w = 38$   
 $\bar{T}_{UNV} = 35/33$      $T_d = 35$

$PCN_{LTB} = N/A$   
 $\Sigma PCN_{LTB} = N/A$

Thurs October 7, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 64 °F	Dir. SW	Temp 74 °F	*Overnight Low - 45			
Min. 37* °F	Vel. 0 m.p.h.	Read. 29.25 in.				
Set 45 °F	Char. Calm	Corr. 29.12 in.	0700	1300	1900	
R.H. 86 %	24 hr. Mov. — mi.	Sea L. 30.49 in.	Clds. 0/10	Clds. 0/10	Clds. 0/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +0.8/mb	Wx Slight Valley fog	Wx —	Wx —	
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\bar{T} = 51$   
CDD = 0  
HDD = 14  
 $\Sigma CDD = 0$   
 $\Sigma HDD = 81$   
 $\Sigma PCNL = 0.19$

$\bar{T}_{Davis} = 45/42$   
 $\bar{T}_{UNV} = 42/39$

$T_w = 45$   
 $T_d = 41$

$PCN_{LTB} = N/A$   
 $\Sigma PCN_{LTB} = N/A$

Friday, October 8, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 72 °F	Dir. S	Temp 76 °F	*overnight low = 47°			
Min. 45 °F	Vel. 2 m.p.h.	Read. 29.33 in.				
Set 47 °F	Char. light	Corr. 29.20 in.	0700	1300	1900	
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.59 in.	Clds. 3/10 C.	Clds. 5/10 C.	Clds.	
Ppn. — in.	Liq. — in.	Prev. Dir. —	3 hr. Tend. — mb	Wx —	Wx	
Ppn. — in.	Sol. — in.	Snow Depth — in.	Observer KAA	Vis. 25 mi.	Vis. 25 mi.	

1 - 37  
HDD = 6  
CDD = 0  
 $\Sigma$  HDD = 87  
 $\Sigma$  CDD = 0  
 $\Sigma$  PCN<sub>L</sub> = 0.19"

ADVIS = 47/47  
Tunv = 45/45

Tw = 49  
Td = 48

PCN<sub>LTB</sub> = N/A  
 $\Sigma$  PCN<sub>LTB</sub> = N/A



Saturday, 9 October, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 73 °F	Dir. WSW	Temp 76 °F	* OVERNIGHT LOW at SET		
Min. 47* °F	Vel. 3 m.p.h.	Read. 29.01 in.			
Set 54 °F	Char. steady	Corr. 28.88 in.			
			0700	1300	1900
R.H. 83 %	24 hr. Mov. — mi.	Sea L. 30.23 in.	Clds. $\frac{10}{10}$ As, St, Cs	Clds.	Clds. $\frac{1}{10}$ St, Cu, As
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -0.3 mb	Wx Cloudy	Wx	Wx Overcast
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. mi.	Vis. 8 mi.

$\bar{T} = 60$   
HDD = 5  
CDD = 0

$\Sigma \text{HDD} = 92$

$\Sigma \text{CDD} = 0$

$\Sigma \text{PCN}_L = 0.19''$

$T_{\text{DAVIS}} = 54^\circ/50^\circ$

$T_{\text{UNV}} = 54^\circ/48^\circ$

$T_w = 51.5^\circ$

$T_D = 49^\circ$

$\text{PCN}_{\text{LTS}} = 0.00''$

$\Sigma \text{PCN}_{\text{LTS}} = \text{N/A}$

Sunday, 10 October, 2004 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	Dir.	Temp	-DB/ocm. DZ: 1855-1910 LT				
70 °F	NW	75.5 °F					
Min.	Vel.	Read.					
46 °F	1 m.p.h.	28.98 in.					
Set	Char.	Corr.		0700	1300	1900	
46 °F	variable	28.85 in.					
R.H.	24 hr. Mov.	Sea L.		Clds.	Clds.	Clds.	
99 %	- mi.	30.22 in.		$\frac{2}{10}$ As, Sc		9/10	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.		Wx	Wx	Wx	
Trace in.	-	✓+0.9 mb		M. Clear		-	
Ppn. Sol.	Snow Depth	Observer		Vis.	Vis.	Vis.	
0.0 in.	0 in.	AGM		25 mi.	mi.	20 mi.	



T = 58

HDD = 7

CDD = 0

$\Sigma$  HDD = 99

$\Sigma$  CDD = 0

$\Sigma$  PCN<sub>L</sub> = 0.19"

T<sub>DAVIS</sub> = 47°/46°

T<sub>UNV</sub> = 50°/46°

T<sub>w</sub> = 46°

T<sub>D</sub> = 46°

PCN<sub>UB</sub> = 0.00"

$\Sigma$  PCN<sub>UB</sub> = N/A

Monday October 11, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	55 °F	Dir. N	Temp 74 °F			
Min.	43 °F	Vel. 4 m.p.h.	Read. 29.00 in.			
Set	44 °F	Char. light	Corr. 28.88 in.	0700	1300	1900
R.H.	86 %	24 hr. Mov. — mi.	Sea L. 30.20 in.	Clds. sc 7/10	Clds. 0/10	Clds. 0/10
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. +0.2 mb	Wx light Valley Fog	Wx —	Wx —
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SLM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 49$   
CDB = 0  
HDB = 112  
 $\Sigma$ CDB = 0  
 $\Sigma$ HDB = 115  
 $\Sigma$ PCNL = 0.19"

T<sub>univ</sub> = 45/39  
T<sub>dwis</sub> = 45/40

$\bar{T}_N = 42$   
T<sub>d</sub> = 40

PCNL<sub>TS</sub> = N/A  
 $\Sigma$ PCNL<sub>TS</sub> = N/A

Tuesday October 12, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	61 °F	Dir. WNW	Temp 73 °F			
Min.	36 °F	Vel. 3 m.p.h.	Read. 28.82 in.			
Set	36 °F	Char. light	Corr. 28.70 in.	0700	1300	1900
R.H.	92 %	24 hr. Mov. — mi.	Sea L. 30.10 in.	Clds. Cu 2/10 Sc ci	Clds. 1/10 Ci	Clds. 2/10 Ci
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. -.1 mb	Wx —	Wx —	Wx —
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$$\bar{T} = 49$$

$$HDB = 16$$

$$COD = 0$$

$$\sum HDB = 131$$

$$\sum COD = 0$$

$$\sum PCNL = 0.19''$$

$$T_{unv} = 37/34$$

$$T_{dms} = 36/34$$

$$T_w = 35$$

$$T_d = 34$$

$$PCNL_{TB} = N/A$$

$$\sum PCNL_{TB} = N/A$$



Wednesday October 13, 2004  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.			
Max.	65 °F	Dir.	W	Temp	*Overnight low - 41			
Min.	36* °F	Vel.	1 m.p.h.	74 °F				
Set	41 °F	Char.	Steady	Read.				28.59 in.
R.H.	89 %	24 hr. Mov.	— mi.	Sea L.	28.46 in.	0700	1300	1900
Ppn. Liq.	0.00 in.	Prev. Dir.	—	3 hr. Tend.	-0.21 mb	Clds. Cs 8/10 Cl Ac	Clds.	Clds. St 0/10 NS
Ppn. Sol.	— in.	Snow Depth	— in.	Observer	TPH	Wx Light Valley Fog	Wx	Wx -SHRA
				Vis.	15 mi.	Vis.	mi.	Vis. 15 mi.

T = 31  
CDD = 0  
HDD = 14  
 $\Sigma$ CDD = 0  
 $\Sigma$ HDD = 145  
 $\Sigma$ PCN<sub>L</sub> = 0.19

T<sub>davis</sub> = 42/40      T<sub>w</sub> = 42  
T<sub>UNV</sub> = 39/37      T<sub>d</sub> = 38

PCN<sub>LB</sub> = N/A  
 $\Sigma$ PCN<sub>LB</sub> = N/A

Thursday, October 14, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind		Barom.	General Obs.		
Max.		58 °F	Dir.	SE	Temp	* Overnight Low - 49		
					76 °F	1840 - 2000 - SHRA		
Min.		41* °F	Vel.	1 m.p.h.	Read.	2040 - 2300 SHRA		
					28.46 in.	0220 - 0340 - SHRA		
Set		49 °F	Char.	Steady	Corr.			
					28.33 in.	0700	1300	1900
R.H.		90 %	24 hr. Mov.	— mi.	Sea L.	Clds. St	Clds. St	Clds. St
					29.68 in.	10/10 Ns	10/10 St	10/10 St
Ppn. Liq.		0.18 in.	Prev. Dir.	—	3 hr. Tend.	Wx Valley fog	Wx Valley Fog	Wx Valley Fog
					-.22 mb			
Ppn. Sol.		— in.	Snow Depth	— in.	Observer	Vis.	Vis.	Vis.
					TPT	7 mi.	7 mi.	5 mi.

$T = 50$   
 $CDD = 0$   
 $HDD = 15$   
 $\Sigma CDD = 0$   
 $\Sigma HDD = 160$   
 $\Sigma PCN_L = 0.37$

$\overline{T}_{davis} = 49/48$   
 $\overline{T}_{UNV} = 50/48$

$\overline{T}_w = 50$   
 $\overline{T}_d = 46$

$PCN_{LTB} = N/A$   
 $\Sigma PCN_{LTB} = N/A$

Friday October 15, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 56 °F	Dir. SE	Temp 76 °F	* Overnight low 50		
Min. 49 °F	Vel. 6 m.p.h.	Read. 28.82 in.	0550-0905 LT DZ		
Set 55 °F	Char. Varying	Corr. 28.69 in.	0002-0620 LT -SHRA		
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.03 in.	0700 Clds. 10/10 St	1300 Clds. 19/10 Cu	1900 Clds. 10/10 Cu
Ppn. Liq. 0.15 in.	Prev. Dir. —	3 hr. Tend. -1.9 mb	Wx Valley Fog	Wx -SHRA	Wx —
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SLM	Vis. 17 mi.	Vis. 20 mi.	Vis. 20 mi.

$$\bar{T} = 53$$

$$HDD = 12$$

$$CDD = 0$$

$$\sum HDD = 172$$

$$\sum CDD = 0$$

$$\sum PCWL = 0.52^*$$

$$T_{\text{check}} = 55/54$$

$$T_{\text{min}} = \text{N/A}$$

$$T_{\text{no}} = 54$$

$$T_d = 53$$

$$PCWL_{\text{TB}} = \text{N/A}$$

$$\sum PCWL_{\text{TB}} = \text{N/A}$$

Saturday October 16, 2024 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 58 °F	Dir. SW	Temp 74 °F		0940-1000 LT -SHRA 1000-1050LT SHRA 1140-1200LT -SHRA 1200-1400LT SHRA UCCL TSRA 1400-1430LT -SHRA 1600-1630LT -SHRA 1700-1730 LT -SHRA UCCL SHRA 2250-0015LT -SHRA		
Min. 46 °F	Vel. 2 m.p.h.	Read. 28.38 in.				
Set 47 °F	Char. calm	Corr. 28.26 in.		0700	1300	1900
R.H. 79 %	24 hr. Mov. — mi.	Sea L. 29.60 in.		Clds. Sc 9/10 ST	Clds.	Clds. 3/10 Sc
Ppn. Liq. 0.29 in.	Prev. Dir. —	3 hr. Tend. +1.1 mb		Wx —	Wx	Wx M. Clear
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SLM		Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$T = 52$   
COD = 0  
HDD = 13  
 $\Sigma \text{COD} = 0$   
 $\Sigma \text{HDD} = 185$   
 $\Sigma \text{PENL} = 0.81^*$

$T_{\text{duns}} = 47/41$   
 $T_{\text{unv}} = 46/39$

$T_w = 44$   
 $T_d = 41$

PCNLTB = N/A  
 $\Sigma \text{PCNLTB} = \text{N/A}$



Sunday, 17 October, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	72.5 °F	-SHAA 1200~1400 SHAA, GS 1520-1600 -SHAA ~0700-085		
52 °F		Read.				
Min.	Vel.	28.61 in.				
41 °F	m.p.h.					
Set	Char.	Corr.	0700	1300	1900	
43 °F	breezy	28.47 in.	Clds.	Clds.	Clds.	
R.H.	24 hr. Mov.	Sea L.	$\frac{10}{10}$ Sc		8/10 cu	
70 %	— mi.	29.85 in.	Wx	Wx	Wx	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Sprinkles		—	
0.09 in.	—	/+1.0 mb	Vis.	Vis.	Vis.	
Ppn. Sol.	Snow Depth	Observer	25 mi.		15 mi.	
T in.	0 in.	AGM				

$I = 47$   
 $HDD = 18$   
 $CDD = 0$   
 $\Sigma HDD = 203$   
 $\Sigma CDD = 0$

$T_{DAYS} = M/M$   
 $T_{WV} = 43/34$

$T_w = 39^\circ$   
 $T_b = 34^\circ$

$\Sigma PCN_s = 0.90^\circ$   
 $\Sigma PCN_e = Trace$

$PCN_{USE} = 0.00^\circ$   
 $\Sigma PCN_{USE} = N/A$

Monday, 18 October, 2004 0700 EST

Temp.			Wind	Barom.	General Obs.		
Max.	46 °F	Dir.	W	Temp	OBS - 1010LT: OCNL RA / -DB		
				72 °F			
Min.	34 °F	Vel.	2 m.p.h.	Read.			
				28.93 in.			
Set	34 °F	Char.	steady	Corr.	0700	1300	1900
				28.01 in.			
R.H.	96 %	24 hr. Mov.	— mi.	Sea L.	Clds.	Clds.	Clds.
				30.22 in.	$\frac{4}{10}$ As, Ac	10/10 ST SC	10/10 CA
Ppn. Liq.	Trace in.	Prev. Dir.	—	3 hr. Tend.	Wx	Wx	Wx
				^ +0.6 mb	P. Cloudy	Cloudy	—
Ppn. Sol.	0.0 in.	Snow Depth	● in.	Observer	Vis.	Vis.	Vis.
				AGM	25 mi.	25 mi.	15 mi.



T = 40

HDD = 25

CDD = 0

$\Sigma$ HDD = 228

$\Sigma$ CDD = 0

$\Sigma$ PCN<sub>L</sub> = 0.90"

$\Sigma$ PCN<sub>S</sub> = Trace

T<sub>DAVIS</sub> = 35.5°/33°

T<sub>UNV</sub> = 34°/32°

T<sub>w</sub> = 33.5°

T<sub>D</sub> = 33°

PCN<sub>UTB</sub> = 8.00"

$\Sigma$ PCN<sub>UTB</sub> = N/A

Tuesday October 19, 2004 0700 EST

Temp.			Wind	Barom.	General Obs.		
Max.	Dir.	Temp			* overnight low 45		
53 °F	ENE	73 °F			1735-2045 LT -SURA		
Min.	Vel.	Read.			2045-2140 LT -OZ		
34 * °F	2 m.p.h.	28.75 in.			2140-0005 LT SURA		
Set	Char.	Corr.			0005-0020 LT +S HRA		
47 °F	light	28.63 in.			0020-0230 LT +S HRA		
					MORE ON BACK		
				0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.		Clds. &	Clds. &	Clds.	
93 %	— mi.	29.99 in.		10/10	10/10	10/10	st
Ppn. Liq.	Prev. Dir.	3 hr. Tend.		Wx	Wx	Wx	
0.73 in.	—	0 — mb		Valley fog	—	Cloudy	
Ppn. Sol.	Snow Depth	Observer		Vis.	Vis.	Vis.	
0.0 in.	0 in.	SLM		15 mi.	10 mi.	15 mi.	

T = 44  
HDD = 21  
COB = 0  
ΣHDD = 249  
ΣCOB = 0  
ΣPCNL = 1103

T<sub>clavis</sub> = N/A  
T<sub>unv</sub> = 46/46

T<sub>w</sub> = 46  
T<sub>d</sub> = 45

0230 - 0300 LT SHRA  
0300 - 0400 LT DZ  
0400 - 0500 LT +SHRA  
0500 - 0550 LT DZ

PCNL<sub>TB</sub> = N/A  
ΣPCNL<sub>TB</sub> = N/A

Wednesday October 20, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 50 °F	Dir. E	Temp 74 °F		0240-0900 -SHRA 0940-1020 -SHRA 1740-1800 SHRA 1820-2020 DZ 0120-0240 -SHRA 0700-0730 -SHRA		
Min. 46 °F	Vel. 0 m.p.h.	Read. 28.87 in.				
Set 47 °F	Char. Calm	Corr. 28.74 in.		0700	1300	1900
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.11 in.		Clds. <sup>st</sup> 10/10 <sup>sc</sup>	Clds.	Clds. <sup>st</sup> 10/10 <sup>sc</sup>
Ppn. Liq. 0.07 in.	Prev. Dir. —	3 hr. Tend. +0.4 mb		Wx Valley fog	Wx	Wx Fog
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH		Vis. 5 mi.	Vis. mi.	Vis. 5 mi.

$\bar{T} = 48$   
CDD = 0  
HDD = 17  
 $\Sigma CDD = 0$   
 $\Sigma HDD = 266$   
 $\Sigma PCNL = 1.7$

$\bar{T}_{davis} = 48/48$   
 $\bar{T}_{UNV} = 46/46$

$\bar{T}_w = 47$   
 $\bar{T}_d = 45$

PCNLTB = N/A  
 $\Sigma PCNLTB = N/A$



Thursday October 21, 2004  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.			
Max.	50 °F	Dir.	SSE	Temp	74 °F	1900-1920 -SHRA 2320-2340 DZ 0000-0040 SHRA 0400-0420 -SHRA		
Min.	46 °F	Vel.	2 m.p.h.	Read.	28.94 in.			
Set	48 °F	Char.	Steady	Corr.	28.81 in.	0700	1300	1900
R.H.	93 %	24 hr. Mov.	- mi.	Sea L.	30.17 in.	Clds. st 10/10 so	Clds. st 10/10 Sc	Clds. st 10/10 St
Ppn. Liq.	0.10 in.	Prev. Dir.	-	3 hr. Tend.	+0.3 mb	Wx Valley fog	Wx -	Wx MIST
Ppn. Sol.	- in.	Snow Depth	- in.	Observer	TPH	Vis. 5 mi.	Vis. 20 mi.	Vis. 20 mi.

T = 48  
CDD = 0  
HDD = 17  
 $\Sigma$ CDD = 0  
 $\Sigma$ HDD = 283  
 $\Sigma$ PCN<sub>L</sub> = 1.80

T<sub>davis</sub> = 48/48      T<sub>w</sub> = 49  
T<sub>UNV</sub> = 48/48      T<sub>d</sub> = 46

PCN<sub>LTS</sub> = N/A  
 $\Sigma$ PCN<sub>LTS</sub> = N/A

Friday October 22, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind		Barom.		General Obs.			
Max.	51	°F	Dir.	E	Temp	74	°F	→ DZ. GENL obs → 1100 LT 1500 → 2140 LT		
Min.	46	°F	Vel.	1 m.p.h.	Read.	29.05	in.	-RA-DZ 0250 - 0700 LT		
Set	46	°F	Char.	light	Corr.	28.93	in.	0700	1300	1900
R.H.	97	%	24 Hr. Mov.	— mi.	Sea L.		in.	Clds. ST 10/10 SC	Clds. ST 10/10 SC	Clds. 10/10 ST, SC
Ppn. Liq.	0.02	in.	Prev. Dir.	—	3 hr. Tend.	+1	mb	Wx Valley Fog	Wx —	Wx Overcast
Ppn. Sol.	—	in.	Snow Depth	— in.	Observer	KAA		Vis. 6 mi.	Vis. 25 mi.	Vis. 25 mi.

$T = 49$   
 $ADD = 16$   
 $CDD = 0$   
 $\sum HDD = 299$   
 $\sum CDD = 0$   
 $\sum PCN_L = 1.82''$

$T_{DAVIS} = 47/47$   
 $T_{UNV} = 46/45$

$TW = 47$   
 $T_d = 46$

$PCN_{UTB} = M$   
 $\sum PCN_{UTB} = M$

Saturday, 23 October, 2004 0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	Dir.	Temp			OCNL -DZ: 085-1030LT, 2050-0010LT		
47 °F	E	73 °F			-DZ: 0300-0340LT		
Min.	Vel.	Read.			Dense Fog: 0215LT-085		
38 °F	1 m.p.h.	29.06 in.					
Set	Char.	Corr.		0700	1300	1900	
38 °F	light	28.94 in.		Clds.	Clds.	Clds.	
R.H.	24 hr. Mov.	Sea L.		$\frac{10}{10}$ St			$\frac{5}{10}$ Cl, Co, Sc
100 %	— mi.	30.33 in.		Wx	Wx	Wx	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.		Dense Fog			Fair
0.01 in.	—	-0.3 mb		Vis.	Vis.	Vis.	
Ppn. Sol.	Snow Depth	Observer		$\frac{1}{8}$ mi.			mi. 25 mi.
0.0 in.	0 in.	AGM					

HDD = 22  
CDD = 0  
 $\Sigma HDD = 321$   
 $\Sigma CDD = 0$

$\Sigma PCN_L = 1.83''$   
 $\Sigma PCN_G = \text{Trace}$

$T_{\text{max}} = 38.5^\circ / 38.5^\circ$   
 $T_{\text{min}} = 39^\circ / 39^\circ$

$T_w = 38^\circ$   
 $T_d = 38^\circ$

$PCN_{L18} = 0.00''$   
 $\Sigma PCN_{L18} = N/A$

Sunday, 24 October, 2004

0700 EST

Temp.			Wind	Barom.	General Obs.		
Max.		Dir.	Temp	* Overnight low at set -RA: 0405-0510LT, 0600LT-0805			
48 °F		SSE	72.5 °F				
Min.	*	Vel.	Read.				
38 °F		1 m.p.h.	28.70 in.				
Set		Char.	Corr.	0700	1300	1900	
42 °F		light	28.55 in.	Clds.	Clds.	Clds.	
R.H.		24 hr. Mov.	Sea L.	10 St. As, 13 Ac, Sc		10/10 Cu	
95 %		— mi.	29.95 in.	Wx	Wx	Wx	
Ppn. Liq.		Prev. Dir.	3 hr. Tend.	— RA		-DZ	
0.02 in.		—	√ +0.7 mb	Vis.	Vis.	Vis.	
Ppn. Sol.		Snow Depth	Observer	15 mi.		15 mi.	
0.0 in.		0 in.	AGM				



T = 73  
HDD = 22  
CDD = 0  
 $\Sigma$ HDD = 523  
 $\Sigma$ CDD = 0

TRANS = 42.5°/40°  
TUNV = 43°/39°

T<sub>w</sub> = 41°  
T<sub>b</sub> = 40°

$\Sigma$ PCN<sub>L</sub> = 1.85"  
 $\Sigma$ PCN<sub>S</sub> = Trace

⊕ Ridge-top fog (spotty) on N-Hwy and  
Tunney (NB-B). Tunney range becoming  
obscured by fog, SE.

PCN<sub>L18</sub> = 0.00°  
 $\Sigma$ PCN<sub>L18</sub> = N/A



Monday October 25, 2004 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 48 °F	Dir. S	Temp 74 °F		* overnight low 45 086 - 0940 LT -SHRA 1040 - 1060 LT DZ 1240 - 1220 LT DZ 1945 - 2005 LT -DZ		
Min. * 42 °F	Vel. 0 m.p.h.	Read. 28.85 in.				
Set 46 °F	Char. Calm	Corr. 28.73 in.				
R.H. 93 %	24 hr. Mov. - mi.	Sea L. 30.10 in.	Clds. 10/10 ST	Clds. 10/10 ST	Clds. 10/10 CU	
Ppn. Liq. T in.	Prev. Dir. -	3 hr. Tend. +9 / mb	Wx Valley Fog	Wx -	Wx -	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SM	Vis. 1 mi.	Ym mi.	Vis. 10 mi.	

T: 45  
WDD: 20  
COD: 0  
ΣHDD: 363  
ΣCOD: 0  
ΣPCNL: 1.85"

Tune: 46/46  
Tdays:

T<sub>10</sub> = 45  
T<sub>2</sub> = 44

PCNL<sub>75</sub> = N/A  
ΣPCNL<sub>75</sub> = N/A

Tuesday October 26, 2004 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	56 °F	Dir. NW	Temp 74 °F	*overnight low 47		
Min. *	46 °F	Vel. 3 m.p.h.	Read. 29.02 in.			
Set	47 °F	Char. light	Corr. 28.89 in.			
R.H.	93 %	24 hr. Mov. - mi.	Sea L. 20.26 in.	0700 Clds. Sc 10/10	1300 Clds. 0/10	1900 Clds. ci 0/10 bc bc
Ppn. Liq.	0.0 in.	Prev. Dir. -	3 hr. Tend. +1.2 mb	Wx Valley Fog	Wx -	Wx -
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SLM	Vis. 20 mi.	Vis. 25 mi.	Vis. 20 mi.

$\bar{T} = 51$   
CDD = 0  
HDD = 14  
 $\Sigma CDD = 0$   
 $\Sigma HDD = 377$   
EPCNL = 1.85°

T<sub>unv</sub> = 48/46  
T<sub>days</sub> =

T<sub>u</sub> = 46  
E<sub>l</sub> = 45

PCNL<sub>TD</sub> = N/A  
 $\Sigma PCNL_{TD} = N/A$

Wed October 27, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	60 °F	Dir. SE	Temp 74 °F			
Min.	46 °F	Vel. 3 m.p.h.	Read. 29.03 in.			
Set	46 °F	Char. Steady	Corr. 28.90 in.	0700	1300	1900
R.H.	93 %	24 hr. Mov. — mi.	Sea L. 30.29 in.	Clds. St 9/10	Clds. Ci 3/10 Cs As	Clds. Bk 4/10
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. 0 mb	Wx Light valley fog	Wx —	Wx —
Ppn. Sol.	— in.	Snow Depth — in.	Observer TPH	Vis. 17 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 53$   
CDD = 0  
HDD = 12  
 $\Sigma$ CDD = 0  
 $\Sigma$ HDD = 389  
 $\Sigma$ PCN<sub>L</sub> = 1.85

$\bar{T}_{\text{davis}} = 47/46$   
 $\bar{T}_{\text{UNV}} = 44/42$

$T_w = 46$   
 $T_d = 44$

PCN<sub>LTB</sub> = N/A  
 $\Sigma$ PCN<sub>LTB</sub> = N/A

Thursday October 28, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	61 °F	Dir. NNE	Temp 74 °F			
Min.	44 °F	Vel. 2 m.p.h.	Read. 29.12 in.			
Set	44 °F	Char. Steady	Corr. 28.99 in.	0700	1300	1900
R.H.	86 %	24 hr. Mov. — mi.	Sea L. 30.37 in.	Clds. 0/10	Clds. 0/10	Clds. 0/10
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. +4 / mb	Wx Valley fog	Wx —	Wx —
Ppn. Sol.	— in.	Snow Depth — in.	Observer TPH	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 53$   
CDD = 0  
HDD = 12  
 $\Sigma$ CDD = 0  
 $\Sigma$ HDD = 401  
 $\Sigma$ PCNL = 1.85

$\bar{T}_{\text{davis}} = 45/42$   
 $\bar{T}_{\text{UNV}} = 42/39$

$\bar{T}_w = 44$   
 $\bar{T}_d = 40$

PCNL<sub>LTB</sub> = N/A  
 $\Sigma$ PCNL<sub>LTB</sub> = N/A



Friday October 29, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 61 °F	Dir. —	Temp 76 °F	*overnight low = 49°			
Min. * 43 °F	Vel. 0 m.p.h.	Read. 28.94 in.				
Set 49 °F	Char. Calm	Corr. 28.91 in.	0700	1300	1900	
R.H. 86 %	24 hr. Mov. — mi.	Sea L. 30.17 in.	Clds. St 10/10	Clds. St 10/10	Clds. 10/10 St, Sc	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -1.0 mb	Wx —	Wx —	Wx -DB, FG to NB, SS	
Ppn. Sol. — in.	Snow Depth — in.	Observer KAA	Vis. ~15 mi.	Vis. 17 mi.	Vis. 3 mi.	

$\bar{T} = 52$   
 $\text{ADD} = 13$   
 $\text{CDD} = 0$   
 $\Sigma \text{HDD} = 414$   
 $\Sigma \text{CDD} = 0$   
 $\Sigma \text{PCN}_L = 1.85''$

$\text{TDAWS} = 50/46$   
 $\text{TUNV} = 46/43$

$\text{TW} = 49$   
 $\text{TD} = 47$

$\text{PCN}_{\text{LTB}} = \text{N/A}$   
 $\Sigma \text{PCN}_{\text{LTB}} = \text{N/A}$

Saturday, 30 October, 2004 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	56 °F	Dir. SSW	Temp 74 °F	-RA: 0805-0150LT -RA SHs: 1725-1800LT, 2240-2300LT, 0135-0155LT -TRA SH / TRA SH: 2315-0125LT		
Min.	49 °F	Vel. 1 m.p.h.	Read. 28.71 in.	- Overnight low ~ 54°		
Set	55 °F	Char. light	Corr. 28.58 in.	0700	1300	1900
R.H.	98 %	24 hr. Mov. — mi.	Sea L. 29.91 in.	Clds. 10 St, As, 10 Cu	Clds.	Clds.
Ppn. Liq.	0.29 in.	Prev. Dir. —	3 hr. Tend. ✓ +0.0 mb	Wx Fog, dense to East	Wx	Wx
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 8-SWEN 3.5-NEQ mi.	Vis. mi.	Vis. mi.

$$\bar{T} = 53$$

$$HDD = 12$$

$$CDD = 0$$

$$\Sigma HDD = 426$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 2.14^\circ$$

$$T_{DAVIS} = 54.5^\circ / 54.5^\circ$$

$$T_{UNV} = 54^\circ / 54^\circ$$

$$T_w = 54.5^\circ$$

$$T_o = 54.5^\circ$$

$$PCN_{LTS}^\circ$$

$$\Sigma PCN_{LTS}^\circ$$

Sunday, 31 October, 2004 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 71 °F	Dir. WSW	Temp 74.5 °F	-- RASH: 1430 - 1530 LT			
Min. * 54 °F	Vel. 17 m.p.h.	Read. 28.65 in.				
Set 56 °F	Char. breezy	Corr. 28.52 in.	☉ MAX at 0015 LT * ORAL LOW 56			
R.H. 66 %	24 hr. Mov. — mi.	Sea L. 29.85 in.	Clds. 1/10 Co, 2/10 Sc, Cu	Clds. 2/10 Cu	Clds. 3/10 Cu	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. / +1.1 mb	Wx Bright, yet mild sunrise	Wx —	Wx M. Clear	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. 25 mi.	Vis. 5 mi.	

$$\bar{T} = 63$$

$$HDD = 2$$

$$CDD = 0$$

$$\Sigma HDD = 428$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 2.15''$$

$$T_{DAVIS} = 56^\circ / 46.5^\circ$$

$$T_{UNV} = 55^\circ / 45^\circ$$

$$T_w = 50^\circ$$

$$T_b = 46^\circ$$

OCT. TEMP'S	
$\bar{T}_{MAX}$	= 59.2°F
$\bar{T}_{MIN}$	= 42.7
$\bar{T}_{OCT}$	= 50.94

$$PCN_{LTD} = 0.00''$$

$$\Sigma PCN_{LTD} = N/A$$