

Sunday August 1, 2004 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 77 °F	Dir. SSW	Temp 71 °F	1005 - 1023 LT -SHRA 1125 - 1145 LT -SHRA			
Min. 69 °F	Vel. 1 m.p.h.	Read. 28.91 in.	1303 - 1458 LT -TSRA 1323 - 1406 LT TSRA			
Set 70 °F	Char. Calm	Corr. 28.79 in.	1620 - 1805 LT -SHRA 1829 - 2000 LT -SHRA OCLL +TSRA			
R.H. 97 %	24 hr. Mov. — mi.	Sea L. 30.10 in.	Clds. 10/10 Cb	Clds.	Clds. 1/10 Cu	
Ppn. Liq. 0.54 in.	Prev. Dir. —	3 hr. Tend. .9 / mb	Wx valley Fog	Wx	Wx —	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SLM	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.	

$$\bar{T} = 73$$

$$CDD = 8$$

$$HDD = 0$$

$$\sum CDD = 8$$

$$\sum HDD = 0$$

$$\sum PCNL = 0.54$$

$$T_{davis} = 70/70$$

$$T_{unv} = 70/70$$

$$T_w = 69$$

$$T_d = 69$$

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

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

Monday August 2, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	83 °F	Dir. NNW	Temp 72 °F	0745 - 085 - 02		
Min.	67 °F	Vel. 1 m.p.h.	Read. 28.88 in.			
Set	67 °F	Char. Varying	Corr. 28.76 in.	0700	1300	1900
R.H.	97 %	24 hr. Mov. - mi.	Sea L. 30.07 in.	Clds. 10/10 st	Clds. 6/10 cu	Clds. 7/10 cu
Ppn. Liq.	T in.	Prev. Dir. -	3 hr. Tend. - mb	Wx -DZ	Wx -	Wx pic
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SLM	Vis. 1 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 75$   
 $\%DD = 10$   
 $\%HD = 0$   
 $\%OD = 18$   
 $\%HDD = 0$   
 $\%PCNL = 0.54$

$T_{\text{trans}} = 67/66$   
 $T_{\text{uv}} = 68/66$

$T_w = 66$   
 $T_d = 66$

$\%PCNL_{TB} = N/A$   
 $\%PCNL_{TD} = N/A$

Tuesday August 3, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F	Dir. SW	Temp 72 °F	D2 0800 - 0805 G			
Min. 66 °F	Vel. 3 m.p.h.	Read. 28.98 in.				
Set 68 °F	Char. light	Corr. 28.66 in.	0700	1300	1900	
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 29.96 in.	Clds. —	Clds. 3/10 Ci Cu	Clds. 3/10 Cu	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +1 mb	Wx —	Wx —	Wx —	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KAP	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\begin{aligned}T &= 74 \\HDD &= 0 \\CDD &= 9 \\E HDD &= 0 \\E CDD &= 27 \\E PCN_L &= 0.54''\end{aligned}$$

$$\begin{aligned}T_{DAVIS} &= 66/66 \\T_{UNV} &= 64/64\end{aligned}$$

$$\begin{aligned}T_W &= 66 \\T_d &= 65\end{aligned}$$

$$\begin{aligned}PCN_{LTB} &= M \\E PCN_{LTB} &= M\end{aligned}$$

Wednesday August 4, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	86 °F	Dir. NW	Temp 72 °F			
Min.	65 °F	Vel. — m.p.h.	Read. 28.71 in.			
Set	69 °F	Char. Calm	Corr. 27.51 in.	0700	1300	1900
R.H.	88 %	24 hr. Mov. — mi.	Sea L. 28.81 in.	Clds. C: 4/10 Cs Cu	Clds. Sc 10/10 Co	Clds. Cu 10/10 Co
Ppn. Liq.	0.00 in.	Prev. Dir.	3 hr. Tend. N/A mb	Wx Fog/haze	Wx HZ	Wx —
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer KAA	Vis. 6 mi.	Vis. 20 mi.	Vis. 25 mi.

$$\bar{T} = 76$$

$$HDD = 0$$

$$CDD = 11$$

$$\sum HDD = 0$$

$$\sum CDD = 38$$

$$\sum PCN_L = 0.54''$$

$$T_{DMS} = 68/66$$

$$T_{UNV} = 68/66$$

$$T_W = 66$$

$$T_d = 65$$

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

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



Thursday August 5, 2004 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir. NE	Temp 72 °F	1605-1755 LT SHRA 1625-1650 LT TSHRA		
Min.	61 °F	Vel. 2 m.p.h.	Read. 28.71 in.	2245-0247 LT OCCL - DZ		
Set	62 °F	Char. Varying	Corr. 28.59 in.	0700	1300	1900
R.H.	93 %	24 hr. Mov. — mi.	Sea L. 29.90 in.	Clds. Cs 9/10 Cs Cb	Clds. St 7/10 CU Ci	Clds. St 7/10 CU Ci
Ppn. Liq.	1.27 in.	Prev. Dir. —	3 hr. Tend. 1.1 / mb	Wx Nce	Wx Nice	Wx Nice
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SLM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 71$   
CDD = 6  
HDD = 0  
 $\sum \text{CDD} = 44$   
 $\sum \text{HDD} = 0$   
 $\sum \text{PCNL} = 1.81$

$T_{\text{clears}} = 63/61$   
 $T_{\text{unv}} = 63/59$

$T_{\text{w}} = 61$   
 $T_{\text{d}} = 60$

$\text{PCNL}_{\text{T9}} = \text{N/A}$   
 $\sum \text{PCNL}_{\text{T9}} = \text{N/A}$

Friday, August 6, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	71 °F	Dir. N	Temp 70 °F			
Min.	51 °F	Vel. 3 m.p.h.	Read. 28.89 in.			
Set	54 °F	Char. Steady	Corr. 28.77 in.	0700	1300	1900
R.H.	77 %	24 hr. Mov. - mi.	Sea L. 30.12 in.	Clds. Ac 4/10 Sc Ci	Clds. Cu 10/10 Sc	Clds. Sc 6/10 Cu
Ppn. Liq.	- in.	Prev. Dir. -	3 hr. Tend. +0.5 mb	Wx Nice	Wx Cloudy	Wx Cloudy
Ppn. Sol.	- in.	Snow Depth -	Observer TPH	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$$\bar{T} = 61$$

$$CDD = 0$$

$$HDD = 4$$

$$\Sigma CDD = 44$$

$$\Sigma HDD = 4$$

$$\Sigma PCN_L = 1.81$$

$$\bar{T}_{davis} = 54150$$

$$\bar{T}_{UNV} = 53148$$

$$\bar{T}_w = 52$$

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

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

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

Saturday August 7, 2004  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 65 °F	Dir. NNW	Temp 70 °F	2115 - 2148 - SHRA			
Min. 54 °F	Vel. 2 m.p.h.	Read. 28.82 in.				
Set 55 °F	Char. Steady	Corr. 28.70 in.	0700	1300	1900	
R.H. 83 %	24 hr. Mov. — mi.	Sea L. 30.04 in.	Clds. cu 6/10 sc c.	Clds.	Clds. 7/10 Ac	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. +0.8 / mb	Wx Some Valleyfog	Wx	Wx Nice	
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.	

$\bar{T} = 60$   
CDD = 0  
HDD = 5  
 $\Sigma$ CDD = 44  
 $\Sigma$ HDD = 9  
 $\Sigma$ PCN<sub>L</sub> = 1.82

$T_{\text{davis}} = 56/52$   $T_w = 54$   
 $T_{\text{UNV}} = 55/50$   $T_d = 50$

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

Sunday August 8, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	65 °F	Dir. WSW	Temp 70 °F			
Min.	54 °F	Vel. 7 m.p.h.	Read. 28.95 in.			
Set	57 °F	Char. breezy	Corr. 28.84 in.	0700	1300	1900
R.H.	82 %	24 hr. Mov. - mi.	Sea L. 30.20 in.	Clds. 7/10 Cu Ci	Clds.	Clds. 2/10 Cu Ci
Ppn.	0.0 in.	Prev. Dir. -	3 hr. Tend. 1.2 mb	Wx Nice	Wx	Wx Nice
Ppn.	0.0 in.	Snow Depth 0 in.	Observer SM	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 60$   
CDD = 0  
MDD = 5  
 $\Sigma CDD = 44$   
 $\Sigma MDD = 14$   
 $\Sigma PCWL = 1.82$

$T_{davis} = N/A$   
 $T_{uv} = 63/52$

$T_w = 54$   
 $T_i = 52$

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



Monday August 9, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	76 °F	Dir. WSW	Temp 71 °F	* Overnight Low - 58		
Min.	57* °F	Vel. 1 m.p.h.	Read. 29.00 in.			
Set	60 °F	Char. Calm	Corr. 28.88 in.			
R.H.	84 %	24 hr. Mov. — mi.	Sea L. 30.22 in.	0700 Clds. AC 2/10 CU CS	1300 Clds. CU 5/10 CI	1900 Clds. AC 4/10 CU CU
Ppn. Liq.	0 in.	Prev. Dir. —	3 hr. Tend. +0.9 mb	Wx Vallayfog	Wx HZ	Wx Niu
Ppn. Sol.	— in.	Snow Depth — in.	Observer TPH	Vis. 15 mi.	Vis. 17 mi.	Vis. 25 mi.

$\bar{T} = 67$   
CDD = 2  
HDD = 0  
 $\Sigma$ CDD = 46  
 $\Sigma$ HDD = 14  
 $\Sigma$ PCN<sub>L</sub> = 1.82

$\bar{T}_{\text{davis}} = 61158$   
 $\bar{T}_{\text{UNV}} = 57155$

$\bar{T}_w = 59$   
 $\bar{T}_d = 55$

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

Tuesday August 10, 2004 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.				
Max.	Dir.	Temp	* overnight low 62						
79 °F	SW	71 °F							
Min.	Vel.	Read.							
60 °F	0 m.p.h.	28.85 in.	Set	Char.	Corr.	0700	1300	1900	
62 °F	Calm	28.73 in.	R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
90 %	— mi.	30.05 in.	3 hr. Tend.	Wx	Wx	Wx	3/10 cu	10/10 cu	10/10 cu
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	0.0 in.	—	—	5/10 A
0.0 in.	—	0.1 ^ mb	valley fog	—	—	Ppn. Sol.	Snow Depth	Observer	Vis.
0.0 in.	0 in.	SLM	20 mi.	20 mi.	17 mi.	0.0 in.	0 in.	SLM	20 mi.

$\bar{T} = 70$   
COD = 5  
HDD = 0  
 $\Sigma \text{COD} = 51$   
 $\Sigma \text{HDD} = 14$   
 $\Sigma \text{PCWL} = 1.82$

T<sub>davis</sub> = N/A  
T<sub>unv</sub> = 63/61

T<sub>w</sub> = 60  
T<sub>d</sub> = 59

PCWL<sub>TB</sub> = N/A  
 $\Sigma \text{PCWL}_{TB} = N/A$

Wednesday August 11, 2004 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 81 °F		Dir. WSW	Temp 72 °F	* overnight low 65 1430-1440LT -SRA		
Min. 62 °F		Vel. 0 m.p.h.	Read. 28.76 in.	1440-1500LT -DZ 1920-2020LT -TSA		
Set 65 °F		Char. light	Corr. 28.64 in.	0700	1300	1900
R.H. 90 %		24 hr. Mov. — mi.	Sea L. 29.95 in.	Clds. 5/10 CC	Clds. CU 6/10 Ci	Clds. Ci 6/10 CC
Ppn. Liq. 0.24 in.		Prev. Dir. —	3 hr. Tend. 1 / mb	Wx Valley Fog	Wx Slight HZ	Wx —
Ppn. Sol. 0.0 in.		Snow Depth 0 in.	Observer SLM	Vis. 10 mi.	Vis. 17 mi.	Vis. 20 mi.

$\bar{T} = 72$   
COD = 7  
HDD = 0  
 $\Sigma \text{COD} = 58$   
 $\Sigma \text{HDD} = 14$   
 $\Sigma \text{PCNT} = 2.06$

$\bar{T}_{\text{avis}} = 63/63$   
 $\bar{T}_{\text{uv}} = 66/64$

$T_{\text{w}} = 64$   
 $T_{\text{d}} = 63$

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

Thursday August 12 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	80 °F	Dir. WSW	Temp 72 °F			
Min.	63 °F	Vel. 2 m.p.h.	Read. 28.84 in.			
Set	64 °F	Char. calm	Corr. 28.72 in.	0700	1300	1900
R.H.	84 %	24 hr. Mov. — mi.	Sea L. 30.64 in.	Clds. 6 10/10 cu cc	Clds. NS 10/10 ST SC	Clds. NS 10/10 ST SC
Ppn. Liq.	0.0 in.	Prev. Dir. —	3 hr. Tend. 2 / mb	Wx light valley fog	Wx SHRA	Wx SHRA
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SUM	Vis. 25 mi.	Vis. 15 mi.	Vis. 15 mi.

$\bar{T} = 72$   
CDD = 7  
HDD = 0  
 $\sum CDD = 65$   
 $\sum HDD = 14$   
 $\sum PCNL = 2.06''$

$T_{davis} = 63/63$   
 $T_{unv} = 64/59$

$T_w = 61$   
 $T_d = 59$

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



Friday August 13, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 66 °F	Dir. N	Temp 72 °F		0940-1000 -SHRA 1120-1220 -SHRA 1320-0440 SHRA 0540-0600 -SHRA 0640-0700 -SHRA 0720-0740 -SHRA		
Min. 60 °F	Vel. 0 m.p.h.	Read. 28.75 in.				
Set 62 °F	Char. Calm	Corr. 28.63 in.		0700	1300	1900
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 29.95 in.		Clds. Sc 9/10 St Cw	Clds. Sc 10/10 Cw	Clds.
Ppn. Liq. 0.85 in.	Prev. Dir. —	3 hr. Tend. +4.4 mb		Wx Valleyfog	Wx HZ	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH		Vis. 10 mi.	Vis. 15 mi.	Vis. mi.

$\bar{T} = 63$   
CDD = 0  
HDD = 2  
 $\Sigma CDD = 65$   
 $\Sigma HDD = 18$   
 $\Sigma PCN_L = 2.91"$

$\bar{T}_{davis} = 62/62$      $\bar{T}_w = 62$   
 $\bar{T}_{UNV} = 62/62$      $\bar{T}_d = 59$

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

Saturday August 14, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 71 °F		Dir W	Temp 70 °F			
Min. 54 °F		Vel. 0 m.p.h.	Read. 29.09 in.			
Set 55 °F		Char. Calm	Corr. 28.97 in.	0700	1300	1900
R.H. 90 %		24 hr. Mov. — mi.	Sea L. 30.32 in.	Clds. 4/10 ci	Clds.	Clds. 7/10 ci
Ppn. Liq. 0.00 in.		Prev. Dir. —	3 hr. Tend. +1/ mb	Wx Valleyfog	Wx	Wx None
Ppn. Sol. — in.		Snow Depth — in.	Observer TPH	Vis. 7 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 63$   
CDD = 0  
HDD = 2  
 $\Sigma CDD = 65$   
 $\Sigma HDD = 18$   
 $\Sigma PCN_L = 2.91''$

$\bar{T}_{davis} = 56/56$      $\bar{T}_w = 55$   
 $\bar{T}_{UNV} = 55/55$      $\bar{T}_d = 52$

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

Sunday August 15, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	69 °F	Dir. W	Temp 70 °F			
Min.	54 °F	Vel. 3 m.p.h.	Read. 29.08 in.			
Set	56 °F	Char. calm	Corr. 28.97 in.			
R.H.	89 %	24 hr. Mov. — mi.	Sea L. 30.31 in.	0700 Clds. 0/10	1300 Clds.	1900 Clds. 4/10 ca 26
Ppn. Liq.	0.0 in.	Prev. Dir. —	3 hr. Tend. +1.8 / mb	Wx valley fog	Wx	Wx NIL
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SLM	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$F = 62$   
 $CDD = 0$   
 $HOD = 3$   
 $\Sigma CDD = 65$   
 $\Sigma HOD = 21$   
 $\Sigma PCNL = 2.91$

$T_{davis} = 57/56$   
 $T_{unv} = 57/57$

$T_w = 55$   
 $T_d = 54$

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

Monday August 16, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	* overnight low 60 0300 - 0330 LT -SHRA 0715 - 083 LT -SHRA			
75 °F	SSW	72 °F				
Min.	Vel.	Read.				
56 °F	1 m.p.h.	29.06 in.				
Set	Char.	Corr.	0700	1300	1900	
60 °F	light	28.94 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
100 %	— mi.	30.28 in.	10/10 cb	3/10 cu	9/10 cu	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.01 in.	—	.2 / mb	-SHRA	Nice	—	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	0 in.	SUM	17 mi.	25 mi.	25 mi.	

$\bar{T} = 66$   
CDD = 1  
HDD = 0  
 $\Sigma CDD = 66$   
 $\Sigma HDD = 21$   
 $\Sigma PCNL = 2.92$

T Davis = 59/59  
Tenn = 59/59

Tw = 60  
Td = 60

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



Tuesday August 17<sup>th</sup>, 2004

Meteorological Observatory  
Univeristy Park, PA

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max. 75 °F	Dir. NW	Temp 72 °F	-RA OBS - 09:00 CT			
Min. 57 °F	Vel. 1 m.p.h.	Read. 29.02 in.				
Set 60 °F	Char. Calm	Corr. 28.90 in.	0700	1300	1900	
R.H. 94 %	24 hr. Mov. — mi.	Sea L. 30.24 in.	Clds. Cu 5/10	Clds. Cu 7/10	Clds. Cu 5/10	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. +0.5 mb	Wx Valley Fog	Wx Haze	Wx Haze	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KAR	Vis. 5 mi.	Vis. 20 mi.	Vis. 17 mi.	

T =  
HDD =  
CAD =  
 $\Sigma$  HDD =  
 $\Sigma$  CAD =  
 $\Sigma$  PCN<sub>L</sub> =

T Davis = 58/58  
T UNV = 56/56

Td = 58  
TW = 59

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

Wednesday August 18, 2004 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.			
Max.			Dir.			Temp						
74	°F		SE			72	°F					
Min.			Vel.			Read.						
59	°F		2	m.p.h.		28.88	in.					
Set			Char.			Corr.						
60	°F		Steady			28.76	in.	0700	1300	1900		
R.H.			24 hr. Mov.			Sea L.		Clds. Ci	Clds. Ci	Clds. Ci		
93	%		-	mi.		30.09	in.	7/10	4/10	1/10		
Ppn. Liq.			Prev. Dir.			3 hr. Tend.		Wx	Wx	Wx		
0.0	in.		-			+0.8	mb	valley fog	HZ	Nice		
Ppn. Sol.			Snow Depth			Observer		Vis.	Vis.	Vis.		
0.0	in.		0	in.		SLM		1.5	17	25	mi.	mi.

$\bar{T} = 68$   
COD = 3  
HOD = 0  
LCOD = 70  
 $\Sigma HOD = 21$   
 $\Sigma PCNL = 293$

$T_{davis} = 59/59$   
 $T_{univ} = 59/59$

$T_w = 59$   
 $T_d = 58$

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



$\bar{T} = 70$   
COB = 5  
HOB = 0  
 $\Sigma COB = 75$   
 $\Sigma HOB = 21$   
 $\Sigma PCNL = 3.16$

$T_{davis} = 666/664$   
 $T_{unc} = 666/664$

$T_w = 67$   
 $T_d = 67$

$PCNL_{DB} = N/A$   
 $\Sigma PCNL_{TB} = N/A$

Friday August 20, 2004

0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	75 °F	Dir.	W	Temp	Obs - 0840 TSRA		
Min.	66 °F	Vel.	6 m.p.h.	Read.	● 1120 - 1140 - SHRA		
Set	67 °F	Char.	Breezy	Corr.	1300 - 1340 - SHRA		
R.H.	91 %	24 hr. Mov.	— mi.	Sea L.	1520 - 1640 SHRA		
Ppn.	0.37 in.	Prev. Dir.	—	3 hr. Tend.	2100 - 2140 TSRA		
Ppn.	— in.	Snow Depth	— in.	Observer	0700	1300	1900
					Clds. Ci	Clds. Sc	Clds. Sc
					9/10 Cu	10/10 St	0/10 Cu
					Wx HZ	Wx HZ	Wx SHRA
					Vis. 10 mi.	Vis. 15 mi.	Vis. 10 mi.

T = 77  
CDD = 6  
HDD = 0  
 $\Sigma$ CDD = 81  
 $\Sigma$ HDD = 21  
 $\Sigma$ PCNL = 3.53

T<sub>davis</sub> = 72/69  
T<sub>UNV</sub> = 66/66

T<sub>w</sub> = 67  
T<sub>d</sub> = 64

PCN<sub>LTR</sub> = N/A  
 $\Sigma$ PCN<sub>CRB</sub> = N/A



Saturday August 21, 2004 0700 EST Meteorological Observatory  
 University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir. WSW	Temp 74 °F	*Overnight low = 68		
Min.	67* °F	Vel. 2 m.p.h.	Read. 28.78 in.	1440 - 1500 TSRA		
Set	68 °F	Char. Calm	Corr. 28.65 in.	2000 - 2040 TSRA		
R.H.	100 %	24 hr. Mov. — mi.	Sea L. 29.96 in.	0700	1300	1900
Ppn. Liq.	1.11 in.	Prev. Dir. —	3 hr. Tend. -0.26 mb	Clds. St 10/10 NS	Clds.	Clds. Cu 2/10
Ppn. Sol.	— in.	Snow Depth — in.	Observer TPH	Wx Valley SHRA	Wx	Wx —
				Vis. 7 mi.	Vis. — mi.	Vis. 25 mi.

$\bar{T} = 74$   
CDD = 9  
HDD = 0  
ZCDD = 90  
 $\Sigma$ HDD = 21  
 $\Sigma$ PCN<sub>L</sub> = 4.64

$\bar{T}_{\text{Davis}} = 68/68$   
 $\bar{T}_{\text{UNV}} = 68/68$

$\bar{T}_w = 68$   
 $\bar{T}_d = 68$

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

Sunday August 22, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	69 °F	Dir.	NNW	Temp	Obs-1120 SHRA		
Min.	51 °F	Vel.	0 m.p.h.	Read.	28.96 in.		
Set	52 °F	Char.	Calm	Corr.	0700	1300	1900
R.H.	93 %	24 hr. Mov.	— mi.	Sea L.	Clds.	Clds.	Clds.
Ppn.	0.54 in.	Prev. Dir.	—	3 hr. Tend.	0/10		0/10
Ppn.	— in.	Snow Depth	— in.	Observer	Wx	Wx	Wx
				TPH	Valley fog		Nice
					Vis.	Vis.	Vis.
					2 mi.		25 mi.

$T = 60$   
 $CDD = 0$   
 $HDD = 5$   
 $\Sigma CDD = 90$   
 $\Sigma HDD = 26$   
 $\Sigma PCN_L = 5.18$

$\overline{T}_{davis} = 53.53$        $\overline{T}_w = 52$   
 $\overline{T}_{UNV} = 50.50$        $\overline{T}_d = 50$

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

Monday August 23, 2004 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind		Barom.		General Obs.		
Max.		Dir.	Temp						
72	°F	SW	70	°F					
Min.		Vel.	Read.						
52	°F	2 m.p.h.	28.98	in.					
Set		Char.	Corr.						
55	°F	light	28.87	in.	0700	1300	1900		
R.H.		24 hr. Mov.	Sea L.		Clds.	Clds.	Clds.		
93	%	- mi.	30.22	in.	1/10 Ci	2/10 Cu	2/10 Cu		
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.		Wx	Wx	Wx		
0.00	in.		100.5 mb		Haze	-	Haze		
Ppn.	Sol.	Snow Depth	Observer		Vis.	Vis.	Vis.		
0.0	in.	0.0 in.	KAR		25 mi.	20 mi.	20 mi.		

$\bar{T} =$   
HDD =  
CDD =  
 $\Sigma HDD =$   
 $\Sigma CDD =$   
 $\Sigma PCN_L =$

$T_{davis} = 54/54$   
 $T_{unv} = 55/55$

$T_w = 55$   
 $T_d = 54$

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

Tuesday August 24, 2004

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.				
Max.		Dir.		Temp	*overnight low = 63°				
80	°F	—		72				°F	
Min.		Vel.		Read.					
55*	°F	0	m.p.h.	29.02	in.				
Set		Char.		Corr.	0700	1300	1900		
64	°F	Calm		28.90	in.				
R.H.		24 hr. Mov.		Sea L.	Clds.	Clds.	Clds.		
90	%	—	mi.	30.23	in.	1/10 Cu	8/10 Sc	8/10 cu	
Ppn.	Liq.	Prev. Dir.		3 hr. Tend.	Wx	Wx	Wx		
0.00	in.	—		—	mb	Haze	Haze	Haze	
Ppn.	Sol.	Snow Depth		Observer	Vis.	Vis.	Vis.		
0.0	in.	0	in.	VAA	20 west 1 east	25	mi.	25	mi.

$T = 68$   
 $HDD = 0$   
 $CDD = 3$   
 $\Sigma HDD = 29$   
 $\Sigma CDD = 93$   
 $\Sigma PCN_L = 5.18^k$

$T_{DAYS} = 03/03$   
 $T_{UNV} = 03/03$

$TW = 68$   
 $Td = 62$

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



Wednesday August 25, 2004 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. S	Temp 72 °F	*CONT Low 30			
Min. 64 °F	Vel. 7 m.p.h.	Read. 29.10 in.				
Set 70 °F	Char. Slightly Breezy	Corr. 28.98 in.	0700	1300	1900	
R.H. 87 %	24 hr. Mov. — mi.	Sea L. 30.31 in.	Clds. 10/10 Cu	Clds. 7/10 Cu	Clds. 2/10 Cu	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 71 mb	Wx Valley Fog Trace	Wx Valley Fog	Wx -H2	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KAA	Vis. 6 mi.	Vis. 20 mi.	Vis. 20 mi.	

$$T = 72$$

$$HDD = 0$$

$$CDD = 7$$

$$\Sigma HDD = 29$$

$$\Sigma CDD = 100$$

$$\Sigma PCN_L = 5.18''$$

$$T_{Davis} = 69/67$$

$$T_{unv} = 70/66$$

$$T_w = 67$$

$$T_d = 66$$

$$PCN_{LTB} = M$$

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

Thurs. August 26, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. S	Temp 72 °F				
Min. 67 °F	Vel. 5 m.p.h.	Read. 29.08 in.				
Set 67 °F	Char. Steady	Corr. 28.96 in.	0700	1300	1900	
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.28 in.	Clds. Sc 7/10 C <sub>2</sub>	Clds. Cu 9/10 C <sub>1</sub>	Clds. Cu 3/10 C <sub>1</sub>	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +0.1 mb	Wx HZ	Wx HZ	Wx HZ	
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH	Vis. 15 mi.	Vis. 17 mi.	Vis. 17 mi.	

$\bar{T} = 73$   
CDD = 8  
HDD = 0  
 $\Sigma CDD = 108$   
 $\Sigma HDD = 29$   
 $\Sigma PCNL = 5.18$

$T_{davis} = 68.65$   
 $T_{UNV} = 68.62$

$T_w = 65$   
 $T_d = 64$

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

Friday August 27, 2004  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. SW	Temp 72 °F	*Overnight Low - 69			
Min. 67* °F	Vel. 2 m.p.h.	Read. 29.01 in.				
Set 69 °F	Char. Calm	Corr. 28.89 in.	0700	1300	1900	
R.H. 76 %	24 hr. Mov. — mi.	Sea L. 30.20 in.	Clds. Ac 2/10 Ci	Clds. Cu 5/10 Ci	Clds. Cs, 6/10 As, Cu	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +0.9/mb	Wx HZ	Wx HZ	Wx HZ	
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH	Vis. 17 mi.	Vis. 15 mi.	Vis. 13 mi.	

$\bar{T} = 73$   
CDD = 8  
HDD = 0  
 $\Sigma CDD = 116$   
 $\Sigma HDD = 29$   
 $\Sigma PCNL = 5.18$

$\bar{T}_{davis} = 70/65$   
 $\bar{T}_{UNV} = 69/62$

$\bar{T}_w = 65$   
 $\bar{T}_d = 61$

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

Saturday, 28 August, 2004 0700 EST

Temp.			Wind	Barom.	General Obs.		
Max.	Dir.	Temp	TRASH- 2250-2305				
84 °F	WNW	72 °F					
Min.	Vel.	Read.					
69 °F	1 m.p.h.	28.89 in.					
Set	Char.	Corr.	0700	1300	1900		
69 °F	steady	28.77 in.					
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.		
96 %	— mi.	30.08 in.	$\frac{2}{10}$ Ci		$\frac{8}{10}$ Cs, As, Ca		
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx		
0.06 in.	—	✓ +0.0mb	Fg, Hz		Hz		
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.		
0.0 in.	0 in.	AGM	5 S+E $\odot$ 10 N+W mi.		mi.	15 $\odot$ mi.	

$$\bar{T} = 77$$

$$CDD = 12$$

$$HDD = 0$$

$$\Sigma CDD = 128$$

$$\Sigma HDD = 29$$

$$\Sigma PCN_L = 5.24$$

$$T_{davis} = 68.5/68$$

$$T_{unv} = 70/68$$

$$T_w = 68^\circ$$

$$T_b = 68^\circ$$

\*\* Base of Mt. Nittany obscured in haze

Ⓢ Reduced visibility caused by ground fog - only ~~highest~~ highest 100' of Mt. Nittany visible, and haze - only portions of Tussey Mt. visible are a 1/2 mile wide stretch between Pine Grove Mills + Tussey Ski Resort.

$$PCN_{LTB} = 0.00$$
$$\Sigma PCN_{LTB} = N/A$$



Sunday, 29 August, 2004 0700 EST

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	1225-1255LT: TRASHY			
82 °F	—	72 °F	1315-1440LT: OCNL RASHY			
Min.	Vel.	Read.	⊗ Ground Fog obscuring base of Mt. Nittany and Tussey Mt. to E+ESE			
68 °F	0 m.p.h.	28.80 in.				
Set	Char.	Corr.	0700	1300	1900	
69 °F	calm	28.68 in.	Clds.	Clds.	Clds.	
R.H.	24 hr. Mov.	Sea L.	1/10 ci		7/10 U	
98 %	— mi.	29.98 in.	Wx	Wx	Wx	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	H2		Valley Fog	
0.39 in.	—	+0.0 mb	Vis. ⊗	Vis.	Vis.	
Ppn. Sol.	Snow Depth	Observer	15, ⊗			
0.0 in.	0 in.	AGM	3 East mi.	mi.	17 mi.	

$$\bar{T} = 75$$

$$CDD = 10$$

$$HDD = 0$$

$$\Sigma CDD = 138$$

$$\Sigma HDD = 29$$

$$\Sigma PCN_L = 5.63$$

$$T_{DHW} = 69.5/69.5$$

$$T_{DAV} = 68/68$$

$$T_W = 68.5$$

$$T_D = 68$$

$$PCN_{LTB} = 0.30$$

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

Monday August 30, 2004 0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind			Barom.			General Obs.		
Max.	84 °F	Dir.	SSW	Temp	75 °F	1640-1700 LT +TSA 1700-1740 LT TSA 1810-1830 LT -TS 1830-1840 LT +RA 1840-1900 LT +RA 0620-0640 LT -RA *Tied Daily Record Precip for 2003					
Min.	69 °F	Vel.	1 m.p.h.	Read.	28.85 in.						
Set	71 °F	Char.	Calm	Corr.	28.72 in.	0700	1300	1900			
R.H.	97 %	24 hr. Mov.	- mi.	Sea L.	30.02 in.	Clds. Co	Clds. Cu	Clds. Cu			
						10/10 St	8/10	9/10			
Ppn. Liq.	* 1.53 in.	Prev. Dir.	-	3 hr. Tend.	+1.1 ✓ mb	Wx	Wx	Wx			
						valley Fog	-	-			
Ppn. Sol.	0.0 in.	Snow Depth	0 in.	Observer	Sum	Vis.	Vis.	Vis.			
						10 mi.	25 mi.	20 mi.			

$F = 7$   
COB = 12  
HOD = 0  
 $\Delta COB = 150$   
 $\Sigma HOD = 29$   
 $\Sigma PCNL = 7.16$

$T_{unv} = 70/70$   
 $T_{advts} = 72/72$

$T_w = 70$   
 $T_d = 70$

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

Tuesday August 31, 2004 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F		Dir. N	Temp 73 °F	0600-0630 LT DZ		
Min. 65 °F		Vel. 2 m.p.h.	Read. 28.93 in.			
Set 65 °F		Char. light	Corr. 28.81 in.	0700	1300	1900
R.H. 84 %		24 hr. Mov. — mi.	Sea L. 30.15 in.	Clds. 10/10 Cu Cb	Clds. 0/10	Clds. 8/10 Cu Sc
Ppn. Liq. T in.		Prev. Dir. —	3 hr. Tend. +1 mb	Wx Valley Fog	Wx —	Wx None
Ppn. Sol. 0.0 in.		Snow Depth 0 in.	Observer YAA	Vis. 20 mi.	Vis. 25 mi.	Vis. 20 mi.

$\bar{T} = 74$   
CDD = 9  
HDD = 0  
 $\Sigma CDD = 159$   
 $\Sigma HDD = 29$   
 $\Sigma PCWL = 7.16''$

$T_{max} = 106/101$   
 $T_{dewts} = 106/104$

$T_{co} = 68$   
 $T_d = 62$

AVG. TEMPS.

$\bar{T}_{max} = 76.9$	PCWL <sub>TS</sub> = PCWL <sub>TB</sub> =
$\bar{T}_{min} = 60.9$	
$\bar{T}_{avg} = 68.90^\circ F$	