

Thursday July 1, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	78 °F	Dir.	SE	Temp	71 °F			
Min.	59 °F	Vel.	1 m.p.h.	Read.	28.97 in.			
Set	62 °F	Char.	calm	Corr.	28.86 in.	0700	1300	1900
R.H.	84 %	24 hr. Mov.	— mi.	Sea L.	30.19 in.	Clds. 5/10 cu	Clds. 4/10 cu ci	Clds. 0/10
Ppn. Liq.	0.0 in.	Prev. Dir.	—	3 hr. Tend.	-0.1 mb	Wx Valley Fog	Wx HZ	Wx Nice
Ppn. Sol.	0.0 in.	Snow Depth	0 in.	Observer	SM	Vis. 7 mi.	Vis. 15 mi.	Vis. 25 mi.

$$\begin{aligned}T &= 69 \\CDD &= 4 \\HDD &= 0 \\E CDD &= 4 \\E HDD &= 0 \\E PNL &= 0\end{aligned}$$

$$\begin{aligned}T_{cooling} &= 64/61 \\T_{heating} &= 61/61\end{aligned}$$

$$\begin{aligned}T_w &= 59 \\T_d &= 57\end{aligned}$$

$$\begin{aligned}PNL_{TB} &= N/A \\E PNL_{TB} &= N/A\end{aligned}$$

Friday July 2nd, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.			
Max.	82 °F		Dir.	—		Temp	71 °F					
Min.	60 °F		Vel.	0 m.p.h.		Read.	28.95 in.					
Set	63 °F		Char.	Calm		Corr.	28.83 in.					
R.H.	81 %		24 hr. Mov.	— mi.		Sea L.	30.15 in.					
Ppn. Liq.		— in.		Prev. Dir.	—		3 hr. Tend.	+ .5 mb		0700	1300	1900
Ppn. Sol.		— in.		Snow Depth	— in.		Observer	TPH		Clds.	Clds.	Clds.
										0/10	4/10 Cu Ci	7/10 Cu Ci
										Wx Valley fog HZ	Wx HZ	Wx Nice
										Vis.	Vis.	Vis.
										5 mi.	17 mi.	20 mi.

$\bar{T} = 71$
CDD = 6
HDD = 0
 Σ CDD = 10
 Σ HDD = 0
 Σ PCNL = 0

$\bar{T}_{\text{davis}} = 64/61$
 $\bar{T}_{\text{UNV}} = 62/60$

$\bar{T}_w = 60$
 $\bar{T}_d = 57$

PCN_{LTB} = N/A
 Σ PCN_{LTB} = N/A

Saturday, July 3, 2004
0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 84 °F	Dir. ENE	Temp 72 °F			
Min. 61 °F	Vel. 3 m.p.h.	Read. 28.92 in.			
Set 62 °F	Char. Steady	Corr. 28.80 in.	0700	1300	1900
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.13 in.	Clds. Ci 2/10 Cs	Clds.	Clds. 0/10
Ppn. Liq. — in.	Prev. Dir. —	3 hr. Tend. 0 mb	Wx HZ	Wx	Wx N/A
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 73$
CDD = 8
HDD = 0
 $\Sigma CDD = 18$
 $\Sigma HDD = 0$
 $\Sigma PCN_L = 0$

$\bar{T}_{davis} = 64158$
 $\bar{T}_{UNV} = 62159$

$\bar{T}_w = 63$
 $\bar{T}_d = 59$

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

Sunday July 4, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. SSE	Temp 72 °F	*OUNT LOW 70		
Min.	62 °F	Vel. 7 m.p.h.	Read. 28.82 in.			
Set	72 °F	Char. light	Corr. 28.70 in.			
R.H.	68 %	24 Hr. Mov. — mi.	Sea L. 30.00 in.	0700 Clds. 10/10 Cu Cs	1300 Clds.	1900 Clds. 10/10 Cu
Ppn.	0 in.	Prev. Dir. —	3 hr. Tend. — mb	Wx Valley Fog	Wx	Wx - RASH
Ppn.	0.0 in.	Snow Depth 0 in.	Observer KAA	Vis. 25 mi.	Vis.	Vis. 25 mi.

$\bar{T} = 72$
HDD = 0
CDD = 7
 $\Sigma \text{HDD} = 0$
 $\Sigma \text{CDD} = 25$
 $\Sigma \text{PCNL} = 0.00$

T DAVIS = 71/68
T UNV = 72/68

Td = 61
Tw = 63

PCNL_{TD} = N/A
 $\Sigma \text{PCNL}_{TD} = \text{N/A}$

Monday July 5, 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	80 °F	Dir. WSW	Temp 73 °F	1420-1500 LT SHRA 1920-2300LT SHRA 2200-2300LT + SHRA 0520-0620LT -SHRA		
Min.	69 °F	Vel. 68 4 m.p.h.	Read. 28.73 in.			
Set	71 °F	Char. Varying	Corr. 28.61 in.			
R.H.	94 %	24 hr. Mov. — mi.	Sea L. 29.91 in.			
Ppn. Liq.	0.86 in.	Prev. Dir. —	3 hr. Tend. 1.2 / mb	0700 Clds. cu 7/10	1300 Clds. cu 6/10	1900 Clds. cu 8/10
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer SLM	Wx Valley Fog	Wx —	Wx —
				Vis. 10 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{F} = 75$
COD = 10
HDD = 0
 $\Sigma \text{COD} = 35$
 $\Sigma \text{HDD} = 0$
 $\Sigma \text{PCNL} = .86$

$T_{\text{davis}} = 71/70$
 $T_{\text{uv}} = 73/72$

$T_w = 70$
 $T_d = 69$

$\text{PCNL}_{\text{TB}} = \text{N/A}$

$\Sigma \text{PCNL}_{\text{TB}} = \text{N/A}$

Tuesday July 6, 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 85 °F	Dir. N	Temp 72 °F	RAST 1615 - 1630 LT			
Min. 63 °F	Vel. 5 m.p.h.	Read. 28.88 in.				
Set 64 °F	Char. light	Corr. 28.76 in.	0700	1300	1900	
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.09 in.	Clds. Sc 5/10 Cu 2/10	Clds. Cu 1/10	Clds. 0/10	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +1 mb	Wx Valley Fog	Wx —	Wx —	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KAA	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\bar{T} = 74$
 $HDD = 0$
 $CDD = 9$
 $\Sigma HDD = 0$
 $\Sigma CDD = 44$
 $\Sigma PCN_L = 0.816''$

$T_{UNV} = 64/59$
 $T_{DAVIS} = 64/59$

$T_{dW} = 59$
 $T_d = 56$



Wednesday July 7, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. SSE	Temp 72 °F	* overnight low 68		
Min.	64 °F	Vel. 0 m.p.h.	Read. 28.73 in.			
Set	68 °F	Char. calm	Corr. 28.61 in.			
R.H.	96 %	24 hr. Mov. - mi.	Sea L. 29.91 in.	0700	1300	1900
Ppn. Liq.	0.0 in.	Prev. Dir.	3 hr. Tend. -.3 mb	Clds. 8/10 Cb Sc	Clds. 5/10 Cb Ci	Clds. 9/10 Cb
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SLM	Wx Valley Fog	Wx HZ	Wx -
				Vis. .3 mi.	Vis. 15 mi.	Vis. 15 mi.

$\bar{T} = 73$
HDD = 0
CDD = 8
 $\sum HDD = 0$
 $\sum CDD = 52$
 $\sum PCNL = .86$

$\bar{T}_{Davis} = 68/67$
 $\bar{T}_{unv} = 66/66$

$T_w = 67$
 $T_d = 67$

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

Thursday July 5, 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	1200-1236 LT -SHRA 1830-1910 LT +TSRA 1910-1940 LT -TSRA			
83 °F	WSW	71 °F				
Min.	Vel.	Read.				
65 °F	3 m.p.h.	28.71 in.				
Set	Char.	Corr.				
67 °F	light	28.59 in.	0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.	Clds. cu	Clds. cy	Clds. ci	
96 %	- mi.	29.89 in.	3/10 ac	6/10 ci	4/10 cu	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.07 in.	-	1.1 / mb	Valley Fog	Nice	Nice	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	0 in.	SLM	20 mi.	20 mi.	25 mi.	

$\bar{T} = 74$
 $COO = 9$
 $HOD = 0$
 $\sum COO = 61$
 $\sum HOD = 0$
 $\sum PCNL = 1.53$

$T_{adv} = 67/67$
 $T_{unv} = 68/68$

$T_w = 606$
 $T_a = 606$

$PCNL_{TB} = N/A$

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

Friday, July 9, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 77 °F		Dir. W	Temp 72 °F	1040-1100 LT TSRA		
Min. 60 °F		Vel. 3 m.p.h.	Read. 28.98 in.			
Set 62 °F		Char. Steady	Corr. 28.86 in.	0700	1300	1900
R.H. 78 %		24 hr. Mov. — mi.	Sea L. 30.18 in.	Clds. cu 8/10 ci	Clds. cu 6/10 ci	Clds. cs 8/10 ci
Ppn. Liq. .21 in.		Prev. Dir. —	3 hr. Tend. +1.51 mb	Wx HZ	Wx Nice	Wx Nice
Ppn. Sol. — in.		Snow Depth — in.	Observer TPH	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 69$
CDD = 4
HDD = 0
 $\Sigma CDD = 65$
 $\Sigma HDD = 0$
 $\Sigma PCN_L = 1.74$

$\bar{T}_{davis} = 63/58$
 $\bar{T}_{UNY} = 64/59$

$\bar{T}_w = 60$
 $\bar{T}_d = 55$

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

Sat. July 10, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	74 °F	Dir.	Temp			
		—	72 °F			
Min.	59 °F	Vel.	Read.			
		0 m.p.h.	28.98 in.			
Set	61 °F	Char.	Corr.	0700	1300	1900
		Calm	28.86 in.			
R.H.	84 %	24 hr. Mov.	Sea L.	Clds. Hc	Clds.	Clds. Sc
		— mi.	30.19 in.	6/10 Ci		9/10 Sc
Ppn. Liq.	— in.	Prev. Dir.	3 hr. Tend.	Wx Valley	Wx	Wx
		—	+0.55 mb	fog & HZ		Nice
Ppn. Sol.	— in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		— in.	TPH	7 mi.	mi.	25 mi.

$$\begin{aligned}\bar{T} &= 67 \\ \text{CDD} &= 2 \\ \text{HDD} &= 0 \\ \Sigma \text{CDD} &= 67 \\ \Sigma \text{HDD} &= 0 \\ \Sigma \text{PCN}_L &= 1.74\end{aligned}$$

$$\begin{aligned}\bar{T}_{\text{davis}} &= 63/61 \\ \bar{T}_{\text{UNV}} &= 60/60\end{aligned}$$

$$\begin{aligned}\bar{T}_w &= 60 \\ \bar{T}_d &= 56\end{aligned}$$

$$\begin{aligned}\text{PCN}_{\text{LTB}} &= \text{N/A} \\ \Sigma \text{PCN}_{\text{LTB}} &= \text{N/A}\end{aligned}$$

Sunday July 11, 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. WNW	Temp 71 °F	* overnight low 65		
Min.	61 °F	Vel. 0 m.p.h.	Read. 28.98 in.			
Set	66 °F	Char. calm	Corr. 28.87 in.	0700	1300	1900
R.H.	87 %	24 hr. Mov. — mi.	Sea L. 30.19 in.	Clds. C 8/10 Cb Ci	Clds.	Clds. C 7/10 Cs Sc
Ppn. Liq.	0.0 in.	Prev. Dir. —	3 hr. Tend. 1 ✓ mb	Wx valley fog	Wx	Wx haze
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SKM	Vis. 17 mi.	Vis. mi.	Vis. 25 mi.

$F = 70$
 $CDD = 5$
 $HDD = 6$
 $ECPD = 72$
 $\%HDD = 0$
 $EPCNL = 1.74$

$T_{davis} = 66/64$
 $T_{unv} = 66/64$

$T_w = 64$
 $T_d = 63$

$PCNLTB = N/A$
 $EPCNLTB = N/A$

Monday July 12, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F		Dir. ESE	Temp 72 °F	Overnight LOW = 71°		
Min. * 66 °F		Vel. 4 m.p.h.	Read. 28.86 in.			
Set 72 °F		Char. light	Corr. 28.74 in.			
R.H. 91 %		24 hr. Mov. — mi.	Sea L. 30.04 in.	0700 Clds. 10/10 Cu	1300 Clds. 10/10 Cu	1900 Clds. 10/10 Cu
Ppn. Liq. 0.00 in.		Prev. Dir. —	3 hr. Tend. — mb	Wx Valley Fog	Wx SHRA	Wx —
Ppn. Sol. 0.0 in.		Snow Depth 0 in.	Observer KAR	Vis. 20 mi.	Vis. 20 mi.	Vis. 20 mi.

$$\bar{T} = 74$$

$$HDD = 0$$

$$CDD = 9$$

$$\sum HDD = 0$$

$$\sum CDD = 81$$

$$EPCN_c = 1.74'$$

$$T_{DMS} = 71/70$$

$$T_{UMV} = 72/72$$

$$T_w = 70$$

$$T_d = 69$$

Tuesday July 13, 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	73 °F	Dir.	NE	Temp	72 °F	* New Record! Old → 1.14" 1990 RA, OCLL + TSRA, -AA 0810 - 1615 LT		
Min.	65 °F	Vel.	0 m.p.h.	Read.	28.74 in.			
Set	66 °F	Char.	Calm	Corr.	28.102 in.			
R.H.	100 %	24 hr. Mov.	- mi.	Sea L.	29.94 in.	0700	1300	1900
Ppn. Liq.	* 1.39 in.	Prev. Dir.	-	3 hr. Tend.	+1 mb	Clds.	Clds.	Clds.
Ppn. Sol.	0.0 in.	Snow Depth	0 in.	Observer	KAA	10/10	8/10 Cu Cb	4/10 Cu Sc
						Wx	Wx	Wx
						DZ	-	-
						Vis.	Vis.	Vis.
						6 mi.	20 mi.	25 mi.

$$\bar{T} = 69$$

$$HDD = 0$$

$$CDD = 4$$

$$\sum HDD = 0$$

$$\sum CDD = 85$$

$$\sum PCN_v = 3.13''$$

$$T_{DAVIS} = 66/66$$

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

$$T_w = 66$$

$$T_d = 66$$

Wednesday July 14, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. SE	Temp 72 °F	085 - 1000LT OZ 0655 - 0710LT TSRA		
Min.	66 °F	Vel. 3 m.p.h.	Read. 28.50 in.	* overnight low = 68		
Set	69 °F	Char. light	Corr. 28.38 in.			
R.H.	97 %	24 hr. Mov. - mi.	Sea L. 29.67 in.	0700	1300	1900
Ppn. Liq.	0.11 in.	Prev. Dir. -	3 hr. Tend. -1.3 mb	Clds. 10/10 ^{cb}	Clds. 6/10 ^{cu} 05 ^{cb} 01 ^{ci}	Clds. 8/10 ^{cu}
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SM	Wx Valley Fog	Wx HZ	Wx -
				Vis. 20 mi.	Vis. 15 mi.	Vis. 25 mi.

$\bar{T} = 72$
CDD = 7
HDD = 0
 $\sum CDD = 92$
 $\sum HDD = 0$
 $\sum PCNL = 3.24$

$T_{Davis} = 71/70$
 $T_{unv} = 70/70$

$T_w = 68$
 $T_d = 68$

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

Thursday July 15, 2024 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. SW	Temp 72 °F	1315-1345 LT TSRA 1330-1333 LT CR (PEAS) (S)			
Min. 63 °F	Vel. G13 7 m.p.h.	Read. 28.47 in.	0445-0510 - SHRA			
Set 64 °F	Char. Gusty	Corr. 28.35 in.	* HAIL			
R.H. 81 %	24 hr. Mov. - mi.	Sea L. 29.65 in.	0700 Clds. 10/10 CB	1300 Clds. CU SC	1900 Clds. CU SC	
Ppn. Liq. .21 in.	Prev. Dir. -	3 hr. Tend. .8 / mb	Wx windy	Wx Cloudy	Wx Cloudy	
Ppn. Sol. T* in.	Snow Depth 0 in.	Observer SLM	Vis. 25 mi.	Vis. 20 mi.	Vis. 20 mi.	

$$\bar{T} = 71$$

$$COD = 0$$

$$HOD = 0$$

$$\Sigma COD = 98$$

$$\Sigma HOD = 0$$

$$\Sigma PCNL = 3.45$$

$$\Sigma PCNS = T$$

$$T_{davis} = 65/58$$

$$T_{unv} = 64/61$$

$$T_w = 60$$

$$T_a = 58$$

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

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

Friday July 16, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 71 °F	Dir. W	Temp 72 °F		1348-1358 -SHRA 10736-00 1433-1440 -SHRA -SHRA 1448-1503 -SHRA 1545-1550 SHRA 1604-1616 -SHRA 1954-2004 -SHRA 2029-2036 -SHRA 0659-0707 -SHRA		
Min. 63 °F	Vel. 5 m.p.h.	Read. 28.68 in.				
Set 64 °F	Char. Steady	Corr. 28.56 in.		0700	1300	1900
R.H. 100 %	24 hr. Mov. - mi.	Sea L. 29.87 in.	Clds. 10/10 SC	Clds. CU 11/10 SC CI	Clds. CU 4/10 CI	
Ppn. Liq. 0.04 in.	Prev. Dir. -	3 hr. Tend. +1.2 mb	Wx -SHRA	Wx Nice	Wx Nice	
Ppn. Sol. - in.	Snow Depth - in.	Observer TPH	Vis. 20 mi.	Vis. 20 mi.	Vis. 25 mi.	

$\bar{T} = 67$
CDD = 2
HDD = 0
 $\Sigma CDD = 100$
 $\Sigma HDD = 0$
 $\Sigma PCN_L = 3.49$
 $\Sigma PCN_S = T$

$\bar{T}_{davis} = 64161$
 $\bar{T}_{UNV} = 64160$

$\bar{T}_w = 64$
 $\bar{T}_d = 64$

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

Sat. July 17, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 76 °F	Dir. W	Temp 72 °F	Ob - SHRA 1425-1433 - SHRA 1706-1748 OCCLT.			
Min. 59 °F	Vel. 1 m.p.h.	Read. 28.73 in.				
Set 62 °F	Char. Calm	Corr. 28.61 in.				
R.H. 84 %	24 hr. Mov. - mi.	Sea L. 29.83 in.	0700 Clds. 5/10 ci	1300 Clds.	1900 Clds. As 10/10 Cb	
Ppn. Liq. 1 in.	Prev. Dir. -	3 hr. Tend. +0.5 mb	Wx valley fog	Wx	Wx	
Ppn. Sol. - in.	Snow Depth - in.	Observer TPH	Vis. 10 mi.	Vis. mi.	Vis. 20 mi.	

$$\bar{T} = 68$$

$$CDD = 3$$

$$HDD = 0$$

$$\Sigma CDD = 103$$

$$\Sigma HDD = 0$$

$$\Sigma PCN_L = 3.49$$

$$\Sigma PCN_S = T$$

$$\bar{T}_{Davis} = 63/62$$

$$\bar{T}_{UNV} = 60/60$$

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

$$T_d = 57$$

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

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

Sunday July 18, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. N	Temp 71 °F	1930-1945 - SHRA 0100 - obs - RA, OCLL+TSRA, OCCL DE		
Min.	62 °F	Vel. 1 m.p.h.	Read. 28.74 in.			
Set	64 °F	Char. Calm	Corr. 28.62 in.	0700	1300	1900
R.H.	100 %	24 hr. Mov. — mi.	Sea L. 29.93 in.	Clds. 10/10 Cu	Clds.	Clds. 10/10 Cu
Ppn. Liq.	0.44 in.	Prev. Dir. —	3 hr. Tend. +0.5 mb	Wx DZ Fog	Wx	Wx —
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer KAA	Vis. 4 mi.	Vis. mi.	Vis. 20 mi.

$$T = 70$$

$$HDD = 0$$

$$CDD = 5$$

$$\Sigma HDD = 0$$

$$\Sigma CDD = 108$$

$$\Sigma PLN_L = 3.93''$$

$$T_{max} = 64/64$$

$$T_{min} = 64/64$$

$$T_w = 64$$

$$T_d = 64$$

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

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

Monday July 19, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 69 °F		Dir. E	Temp 72 °F	- RASH 0100 - 0620 LT - TSKA 0640 - 0700 LT - RASH 0720 - 1520 LT		
Min. 63 °F		Vel. 0 m.p.h.	Read. 28.71 in.			
Set 64 °F		Char. Calm	Corr. 28.59 in.			
R.H. 97 %		24 hr. Mov. — mi.	Sea L. 29.90 in.	0700 Clds. 10/10 Cu	1300 Clds. 8/10 Cu 5c	1900 Clds. 4/10 Cu Ci
Ppn. Liq. 0.26 in.		Prev. Dir. —	3 hr. Tend. 40.5 mb	Wx Valley Fog	Wx —	Wx —
Ppn. Sol. 0.0 in.		Snow Depth 0 in.	Observer KPA	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.

$$\begin{aligned} \bar{F} &= 66 \\ HDD &= 0 \\ CDD &= 1 \\ \Sigma HDD &= 0 \\ \Sigma CDD &= 109 \\ \Sigma PCN_L &= 4.19'' \end{aligned}$$

$$\begin{aligned} T_{DAVIS} &= 64/63 \\ T_{UNV} &= 64/64 \end{aligned}$$

$$\begin{aligned} T_w &= 63 \\ T_d &= 63 \end{aligned}$$

$$\begin{aligned} PCN_{LTS} &= N/A \\ \Sigma PCN_{LTS} &= N/A \end{aligned}$$

Tuesday July 20, 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind			Barom.			General Obs.		
Max.	76 °F		Dir.	WSW		Temp	71 °F		1735 - 1925 LT - TSRA 1745 - 1810 LT TSRA OCCL + TSRA		
Min.	61 °F		Vel.	3 m.p.h.		Read.	28.79 in.				
Set	64 °F		Char.	calm		Corr.	28.67 in.		0700	1300	1900
R.H.	93 %		24 hr. Mov.	- mi.		Sea L.	29.98 in.		Clds. cu	Clds. cu	Clds. ci
Ppn. Liq.	0.10 in.		Prev. Dir.	-		3 hr. Tend.	1.5 / mb		Wx Valley Fog	Wx -	Wx -
Ppn. Sol.	0.0 in.		Snow Depth	0 in.		Observer	SLM		Vis.	Vis.	Vis.
									17 mi.	25 mi.	25 mi.

$\bar{T} : 69$
COD : 4
HDD : 0
 $\Sigma \text{COD} : 113$
 $\Sigma \text{HDD} : 0$
 $\Sigma \text{PCWL} : 4,29$

$T_{\text{avis}} = 64/63$
 $T_{\text{uvv}} = 64/64$

$T_w = 63$
 $T_d = 62$

$P(\text{NLTB}) = \text{N/A}$
 $C(\text{NLTB}) = \text{N/A}$

Wednesday July 21, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	79 °F		Dir. WSW	Temp 71 °F			
Min.	62 °F		Vel. 0 m.p.h.	Read. 28.86 in.			
Set	65 °F		Char. calm	Corr. 28.75 in.	0700	1300	1900
R.H.	87 %		24 hr. Mov. — mi.	Sea L. 30.06 in.	Clds. 0/10	Clds. CU 7/10 CI	Clds. CU 5/10
Ppn. Liq.	0.0 in.		Prev. Dir. —	3 hr. Tend. .3 mb	Wx Valley fog	Wx HZ	Wx HZ
Ppn. Sol.	0.0 in.		Snow Depth 0 in.	Observer SLM	Vis. 5 mi.	Vis. 15 mi.	Vis. 20 mi.

T = 71
COD = 6
HDD = 0
ΣCOD = 119
ΣHDD = 0
ΣPENL = 4.29

T class 65/64
T unv = 64/64

Tw = 63
Td = 61

PENL TB = N/A
ΣPENL TB = N/A

Thursday July 22, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.		Dir.	Temp	← overnight low 69			
83 °F		SE	72 °F				
Min.		Vel.	Read.				
65 °F		0 m.p.h.	29.75 in.				
Set		Char.	Corr.	0700	1300	1900	
70 °F		calm	29.63 in.				
R.H.		24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
87 %		— mi.	29.93 in.	7/10 cu	10/10 Sc	4/10 Sc	
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.0 in.		—	-.6 mb	Valley Fog	HZ	Nice	
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.		0 in.	SMY	5 mi.	15 mi.	20 mi.	

$\bar{T} = 74$
CDD = 9
WDD = 0
 Σ CDD = 128
 Σ WDD = 0
 Σ PCNL = 4.29

$T_{davis} = 70/69$
 $T_{unw} = 70/70$

$T_D = 67$
 $T_d = 66$

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

Friday, July 23, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F	Dir. ESE	Temp 73 °F		1420 - 1453 SHRA 1454 - 1508 TSRA 1509 - 1634 SHRA 1641 - 1701 -SHRA 1814 - 1829 -SHRA 1838 - 1848 -SHRA 1855 - 1856 -SHRA		
Min. 69 °F	Vel. 2 m.p.h.	Read. 28.74 in.				
Set 70 °F	Char. Calm	Corr. 28.61 in.		0700	1300	1900
R.H. 97 %	24 hr. Mov. — mi.	Sea L. 29.91 in.	Clds. St 0/10 SC CU	Clds. St 0/10 SC	Clds. St 10/10 SC	
Ppn. Liq. 0.30 in.	Prev. Dir. —	3 hr. Tend. +5.5 mb	Wx Hzb Fog	Wx -SHRA	Wx Cloudy	
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH	Vis. 5 mi.	Vis. 17 mi.	Vis. 20 mi.	

$\bar{T} = 76$
CDD = 11
HDD = 0
 $\Sigma CDD = 139$
 $\Sigma HDD = 0$
 $\Sigma PCN_L = 4.59$
 $\Sigma PCN_S = \bar{T}$

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

$\bar{T}_w = 70$
 $\bar{T}_d = 69$

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

Sat. July 24, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind		Barom.		General Obs.		
Max.	77 °F	Dir.	NNE	Temp	71 °F	1257-1302 OOCLT 1303-1333 TSRA 1334-1417 SHRA			
Min.	59 °F	Vel.	5 m.p.h.	Read.	29.04 in.				
Set	60 °F	Char.	Steady	Corr.	28.92 in.	0700	1300	1900	
R.H.	77 %	24 hr. Mov.	— mi.	Sea L.	30.26 in.	Clds.	6/10 Sc Cu Ci	Clds.	5/10 Cs
Ppn. Liq.	.15 in.	Prev. Dir.	—	3 hr. Tend.	+1.5/mb	Wx	Nice	Wx	—
Ppn. Sol.	— in.	Snow Depth	— in.	Observer	TPH	Vis.	25 mi.	Vis.	25 mi.

$\bar{T} = 68$
CDD = 3
HDD = 0
 $\Sigma CDD = 142$
 $\Sigma HDD = 0$
 $\Sigma PCN_L = 4.74$
 $\Sigma PCN_S = T$

$\bar{T}_{davis} = 60157$ $\bar{T}_w = 57$
 $\bar{T}_{UNV} = 59159$ $\bar{T}_d = 53$

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

Sunday July 25, 2004

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	73 °F	Dir. N	Temp 71 °F			
Min.	57 °F	Vel. 7 m.p.h.	Read. 29.13 in.			
Set	59 °F	Char. light	Corr. 29.02 in.	0700	1300	1900
R.H.	78 %	24 hr. Mov. — mi.	Sea L. 30.33 in.	Clds. 10/10 Cu Sc	Clds.	Clds. 10/10 Sc Cu
Ppn. Liq.	0.0 in.	Prev. Dir. —	3 hr. Tend. +1 mb	Wx —	Wx	Wx —
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer KAA	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

T = 66
HDD = 0
CDD = 0
Σ HDD = 0
Σ CDD = 142
Σ PCN_L = 4.74"

T_{DAVIS} = 58/55

T_{UNV} =

T_W = 55

T_d = 52

PCN_{LTB} = N/A

Σ PCN_{LTB} = N/A

Monday July 26, 2004

0700 EST
 Meteorological Observatory
 University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 72 °F	Dir. SE	Temp 72 °F	Read. 29.00 in.	-RA 8:20W 0800 (obs) *overnight LOW=66°		
Min. * 58 °F	Vel. 5 m.p.h.	Char. light	Corr. 28.88 in.			
Set 68 °F	24 hr. Mov. mi.	Sea L. 2.19 in.	0700	1300	1900	
R.H. 100 %	Prev. Dir.	3 hr. Tend. mb	Clds. 10/10 Cu	Clds. 10/10 Cu	Clds. 10/10 Cu	
Ppn. Liq. T in.	Observer KAA	Vis.	Wx -RA SH	Wx Valley Fog	Wx -RA SH	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Vis. 15 mi.	Vis. 20 mi.	Vis. 20 mi.	Vis. 20 mi.	

$$\begin{aligned} TDD &= 0 \\ CDD &= 0 \\ \sum TDD &= 0 \\ \sum CDD &= 142 \\ \sum PCN_L &= 4.74'' \end{aligned}$$

$$\begin{aligned} T_{MUS} &= 60/64 \\ T_{NW} &= 68/64 \end{aligned}$$

$$\begin{aligned} T_W &= 68 \\ T_d &= 68 \end{aligned}$$

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

Tuesday July 27, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.		
Max.	68 °F		Dir.	E	Temp	72 °F	-RA cbs → 10:00 LT OCC L		
Min.	62 °F		Vel.	3 m.p.h.	Read.	28.83 in.	-RA, OCC RA 10:00 LT → 0:00		
Set	65 °F		Char.	light	Corr.	28.71 in.	OCC RA 0:00 → 04:00 LT		
R.H.	100 %		24 hr. Mov.	— mi.	Sea L.	30.02 in.	0700	1300	1900
Ppn.	1.04 in.		Prev. Dir.	—	3 hr. Tend.	— mb	Clds.	Clds.	Clds.
Ppn.	0.0 in.		Snow Depth	0 in.	Observer	KAA	10/10 C4	10/10 C6	10/10 C6
							Wx	Wx	Wx
							RASH	-SHRA	—
							Vis.	Vis.	Vis.
							5 mi.	10 mi.	17 mi.

$T = 65$
 $HDD = 0$
 $CDD = 0$
 $\Sigma HDD = 0$
 $\Sigma CDD = 142$
 $\Sigma PCN_L = 5.78''$

$T_{DAVS} = 65/65$
 $T_{UNV} = 66/66$

$T_w = 65$
 $T_d = 65$

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

Wednesday July 28, 2004 0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.	General Obs.		
Max.	Dir.	Temp	OBS - 1115 LT - SHRA 1150 - 1415 LT - SHRA 1415 - 1545 LT + SHRA 1545 - 1755 LT - SHRA			0700	1300	1900
69 °F	NE	72 °F						
Min.	Vel.	Read.						
62 °F	1 m.p.h.	28.82 in.						
Set	Char.	Corr.						
63 °F	calm	28.70 in.						
R.H.	24 hr. Mov.	Sea L.				Clds.	Clds. SC	Clds.
100 %	- mi.	30.02 in.				10/10	10/10 st	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.				Wx	Wx	Wx
1.06 in.	-	.9 / mb				Fog	HZ	
Ppn. Sol.	Snow Depth	Observer				Vis.	Vis.	Vis.
0.0 in.	0.0 in.	SIM				.1 mi.	17 mi.	mi.

$\bar{T} = 66$
HOS = 0
COD = 1
 $\Sigma \text{COD} = 143$
 $\Sigma \text{HDD} = 0$
 $\Sigma \text{PCNL} = 6.84'$

$T_{\text{avis}} = 62/62$
 $T_{\text{unv}} = 64/64$

$T_w = 63$
 $T_d = 63$

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

Thursday July 29, 2004

0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.		Wind	Barom.	1310-1325 LT - SARA		
Max.	Dir.	Temp				
74 °F	WSW	72 °F				
Min.	Vel.	Read.				
57 °F	0 m.p.h.	29.97 in.				
Set	Char.	Corr.	0700	1300	1900	
60 °F	calm	28.85 in.	Clds. cu	Clds. cu	Clds. cu	
R.H.	24 hr. Mov.	Sea L.	10/10	4/10	2/10	
91 %	— mi.	30.18 in.	Wx Valley Fog	Wx Nice	Wx Nice	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Vis.	Vis.	Vis.	
T in.	—	1.5 / mb	10 mi.	20 mi.	20 mi.	
Ppn. Sol.	Snow Depth	Observer				
0.0 in.	0 in.	SLM				

T = 66
CDD = 1
HDD = 0
 Σ CDD = 144
 Σ HDD = 0
 Σ PCNL = 6.84

T_{days} = 59/59
T_{unit} = 101/101

T_w = 59
T_d = 58

PCNL_{TS} = N/A
 Σ PCNL_{TS} = N/A

$I = 69$
CDD = 4
HDD = 0
 Σ CDD = 148
 Σ HDD = 0
 Σ PCN_L = 6.84

$\overline{T}_{\text{davis}} = 71168$
 $\overline{T}_{\text{UNV}} = 66166$

$\overline{T}_w = 68$
 $\overline{T}_d = 66$

PCN_{LTB} = N/A
 Σ PCN_{LTB} = N/A

Saturday July 31, 2004
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.				
Max.	80 °F	Dir.	S	Temp	72 °F	*Overnight Low - 71*							
Min.	69* °F	Vel.	4 m.p.h.	Read.	28.86 in.	**Wettest July: 7.30 in							
Set	72 °F	Char.	Steady	Corr.	28.74 in.	Old record: 7.09 in 1923							
R.H.	87 %	24 hr. Mov.	- mi.	Sea L.	30.04 in.	1514 - 1532 - SHRA 2011 - 2131 1655 - 1608 - SHRA TSRA 1640 - 1624 - SHRA 2145 - 2154 1840 - 1741 SHRA 2219 - 2243 SHRA							
Ppn. Liq.	0.46 in.	Prev. Dir.	-	3 hr. Tend.	0 mb	0700	1300	1900	Clds.	sc	Clds.	ca	
Ppn. Sol.	- in.	Snow Depth	- in.	Observer	TPH				9/10	sc	10/10 ca		
									Wx	Nice		Wx	-
									Vis.	20 mi.	Vis.	mi.	25 mi.

$T = 75$
 $CDD = 10$
 $HDD = 0$
 $\Sigma CDD = 158$
 $\Sigma HDD = 0$
 $\Sigma PCN_L = 7.30$

$T_{davis} = 73171$ $T_w = 70$
 $T_{UNV} = 73169$ $T_d = 67$

JULY TEMP'S.
 $\bar{T}_{MAX} = 77.5$
 $\bar{T}_{MIN} = 62.3$
 $\bar{T}_{JUL} = 69.9$

$PCN_{L7B} = N/A$
 $\Sigma PCN_{L7B} = N/A$