

Sunday, 1 May, 2005

0700 EST

Meteorological Observations
University Park, PA

General Obs.

Temp.	Wind	Barom.	0450-1100LT: -RA SH 1600-1750LT: -RA/ocnl RA		
Max. 56 °F	Dir. SW	Temp 76 °F			
Min. 41 °F	Vel. 2 m.p.h.	Read. 28.75 in.			
Set 43 °F	Char. light	Corr. 28.62 in.	0700	1300	1900
R.H. 79 %	24 hr. Mov. — mi.	Sea L. 29.99 in.	Clds. 1 Sc, Cu, 10 As	Clds.	Clds. 4/10 Cu As
Ppn. Liq. 0.08 in.	Prev. Dir. —	3 hr. Tend. +1.3 mb	Wx Rapid clearing since dawn	Wx	Wx
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. mi.	Vis. mi.

HDD = 16

Σ HDD = 16

Σ PCN_L = 0.08"

Σ PCN_S = 0.0"

T_{DAVIS} = 43°/38°

T_{UMV} = 44.5°/36°

T_w = 40.5°

T_b = 37°

PCN_{UB} = 0.00"

Σ PCN_{LTB} = 0.00"

Monday 2 May 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 57 °F		Dir. SSW	Temp 76 °F	- SHRA 10:20-10:40 LT 14:20-14:45 LT 15:45-16:14 LT		
Min. 40 °F		Vel. 2 m.p.h.	Read. 28.82 in.			
Set 44 °F		Char. light	Corr. 28.69 in.			
R.H. 65 %		24 hr. Mov. — mi.	Sea L. 30.06 in.	Clds. 0700 10/110 Cu Sc	Clds. 1300	Clds. 1900
Ppn. Liq. T in.		Prev. Dir. —	3 hr. Tend. — mb	Wx —	Wx	Wx
Ppn. Sol. 0.0 in.		Snow Depth 0 in.	Observer KAA	Vis. 25 mi.	Vis. mi.	Vis. mi.

$$\bar{T} = 40$$

$$HDD = 16$$

$$CDD = 0$$

$$\Sigma HDD = 32$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 0.08''$$

$$\Sigma PCN_S = 0.0''$$

$$T_{davis} = 42/36$$

$$T_{uw} = 43/36$$

$$T_w = 40$$

$$T_d = 34$$

$$PCN_{LTS} = M$$

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

Tuesday, 3 May, 2005

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max.	51 °F	Dir. SW	Temp 75 °F	0815-1145 LT: OCNL --RA SH/--DZ 1410-1455 LT: -RA SH		
Min.	37 °F	Vel. 5 m.p.h.	Read. 28.89 in.			
Set	40 °F	Char. variable speed	Corr. 28.76 in.	0700	1300	1900
R.H.	87 %	24 hr. Mov. — mi.	Sea L. 30.15 in.	Clds. 8 Ac, Sc, 10 St	Clds.	Clds. Sc 5/10
Ppn. Liq.	T in.	Prev. Dir. —	3 hr. Tend. —0.4mb	Wx M. Cloudy but bright	Wx	Wx —
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 44^\circ$
HDD = 21
 $\Sigma \text{HDD} = 53$

$T_{\text{DAVIS}} = 40^\circ/35.5^\circ$
 $T_{\text{UNV}} = 43^\circ/34^\circ$

$T_w = 37^\circ$
 $T_D = 33.5^\circ$

$\Sigma \text{PCN}_L = 0.08''$

$\text{PCN}_{L18} = 0.00''$

$\Sigma \text{PCN}_{L18} = \text{N/A}$

Wednesday May 4, 2005

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	51 °F	Dir. W	Temp 74 °F	740-755 LT OCLL - SN		
Min.	32 °F	Vel. 0 m.p.h.	Read. 29.13 in.			
Set	36 °F	Char. light	Corr. 29.01 in.	0700	1300	1900
R.H.	85 %	24 hr. Mov. — mi.	Sea L. 30.41 in.	Clds. $\frac{1}{10}$ cu	Clds. $\frac{1}{10}$ sc	Clds. $\frac{4}{10}$ cu
Ppn. Liq.	T in.	Prev. Dir. —	3 hr. Tend. +2.1 mb	Wx —	Wx Mostly Cloudy	Wx —
Ppn. Sol.	T in.	Snow Depth 0 in.	Observer SLM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$F = 42$
 $HDD = 23$
 $COB = 0$
 $\Sigma HDD = 76$
 $\Sigma COB = 0$
 $\Sigma PCNL = 0.08"$
 $\Sigma PCNLS = 7$

$T_{uv} = 30/32$
 $T_{davis} = 35/32$

$T_w = -$
 $T_d = 32$

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

Thursday, May 5, 2005
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 53 °F	Dir. NE	Temp 74 °F	-SMAA ~ 1330-1400 LT			
Min. 32 °F	Vel. 2 m.p.h.	Read. 29.32 in.				
Set 36 °F	Char. Calm	Corr. 29.19 in.	0700	1300	1900	
R.H. 67 %	24 hr. Mov. — mi.	Sea L. 30.61 in.	Clds. ci 2/10 cc	Clds.	Clds.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +0.2/mb	Wx Valley Fog	Wx	Wx	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer TPH	Vis. 15 mi.	Vis. mi.	Vis. mi.	

$\bar{T} = 43$
HDD = 22
CDD = 0
 Σ HDD = 98
 Σ CDD = 0
 Σ PCN_L = 0.08"
 Σ PCN_S = T

$\bar{T}_{\text{davis}} = 38132$
 $\bar{T}_{\text{UNV}} = 35132$

$\bar{T}_w = 35$
 $\bar{T}_d = 26$

PCN_{LTB} = N/A
 Σ PCN_{LTB} = N/A

Friday, May 6, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	64 °F	Dir. ESE	Temp 76 °F			
Min.	36 * °F	Vel. 3 m.p.h.	Read. 29.15 in.			
Set	46 °F	Char. Light + Variable	Corr. 29.02 in.	*Ovrnqt Low = 45°F		
				0700	1300	1900
R.H.	75 %	24 hr. Mov. — mi.	Sea L. 30.40 in.	Clds. 9/10 Cs	Clds.	Clds.
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. — 0.0 mb	Wx Haze	Wx	Wx
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer MLS	Vis. 15 mi.	Vis. mi.	Vis. mi.

$I = 50$
 $HDD = 15$
 $CDD = 0$
 $\Sigma HDD = 113$
 $\Sigma CDD = 0$
 $\Sigma PCN_L = 0.08''$
 $\Sigma PCN_S = T$

$T_{DAVS} = 46/39$
 $T_{LWR} = 45/37$

$T_w = M$
 $T_d = M$

Saturday, May 7, 2005

0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.	Wind	Barom.			
Max. 63 °F	Dir. ESE	Temp 75 °F			
Min. 38 °F	Vel. 0 m.p.h.	Read. 28.87 in.			
Set 41 °F	Char. Calm	Corr. 28.74 in.	0700	1300	1900
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.12 in.	Clds. Ac 8/10 Cs	Clds.	Clds.
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 7-0.6 mb	Wx Mostly Cloudy	Wx	Wx
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MLS	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T = 30$
HDD = 15
CDD = 0
 $\Sigma HDD = 187$
 $\Sigma CDD = 0$
 $\Sigma PCNL = 0.08''$
 $\Sigma PCNs = T$

$T_{DAVIS} = 41/33$
 $T_{UNV} = 41/34$

$T_w = M$
 $T_d = M$

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

Sunday, May 8, 2005

0700 EST

Meteorological Office
University Park, PA

General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	64 °F	Dir.	N	Temp	78 °F	
Min.	41* °F	Vel.	4 m.p.h.	Read.	28.85 in.	
Set	55 °F	Char.	Light	Corr.	28.72 in.	* Overnight low: 50 °F
R.H.	29 %	24 hr. Mov.	— mi.	Sea L.	30.14 in.	0700 Clds. 0/10
Ppn.	0 in.	Prev. Dir.		3 hr. Tend.	+1.1 mb	1300 Clds. Wx
Ppn.	0 in.	Snow Depth	0 in.	Observer	SBS	1900 Clds. 2/10 Ci
				Vis.	25 mi.	Wx Breezy
				Vis.		mi. 25 mi.

$T = 53^{\circ}\text{F}$
HDD = 12
CDD = 0
 $\Sigma \text{HDD} = 199$
 $\Sigma \text{CDD} = 0$
 $\Sigma \text{PCN}_L = 0.08''$
 $\Sigma \text{PCN}_S = T$

$T_{\text{davis}} = 54/34$
 $T_{\text{unv}} = 54/30$

$T_{\text{dry}} = 55^{\circ}\text{F}$
 $T_{\text{wet}} = 44^{\circ}\text{F}$
 $T_{\text{dew}} = 31^{\circ}\text{F}$

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

Monday May 9, 2005 0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	73 °F	Dir. WSW	Temp 78 °F			
Min.	46 °F	Vel. 2 m.p.h.	Read. 28.92 in.			
Set	56 °F	Char. Light Variable	Corr. 28.79 in.	0700	1300	1900
R.H.	36 %	24 hr. Mov. — mi.	Sea L. 30.21 in.	Clds. c; 1/10	Clds.	Clds. 5/10 c;
Ppn. Liq.	0 in.	Prev. Dir. —	3 hr. Tend. +0.8mb	Wx clear	Wx	Wx Partly cloudy
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer SBS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$$\begin{aligned} &T = 60 \\ &HDD = 5 \\ &CDD = 0 \\ &\sum HDD = 144 \\ &\sum CDD = 0 \\ &\sum PCN_L = 0.08'' \\ &\sum PCN_S = T \end{aligned}$$

$$\begin{aligned} T_{davis} &= N/A \\ T_{unv} &= 5/139 \end{aligned}$$

$$\begin{aligned} T_{dry} &= 56^\circ F \\ T_{wet} &= 46^\circ F \\ T_{dew} &= 36^\circ F \end{aligned}$$

$$\begin{aligned} PCN_{LTB} &= N/A \\ \sum PCN_{LTB} &= N/A \end{aligned}$$

Tuesday May 10, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	79 °F	Dir. SE	Temp 80 °F			
Min.	52 °F	Vel. 4 m.p.h.	Read. 28.86 in.			
Set	57 °F	Char. Light? Variable	Corr. 28.69 in.	0700	1300	1900
R.H.	47 %	24 hr. Mov. — mi.	Sea L. 30.03 in.	Clds. 2/10 ci	Clds. 1/10 ci	Clds. 9/10 St
Ppn.	0 in.	Prev. Dir. —	3 hr. Tend. — mb	Wx Mostly Clear	Wx Clear	Wx —
Ppn.	0 in.	Snow Depth 0 in.	Observer SBS	Vis. 25 mi.	Vis. 25 mi.	Vis. 20 mi.

$$\bar{T} = 66$$

$$HDD = 0$$

$$CDD = 1$$

$$\sum HDD = 144$$

$$\sum CDD = 1$$

$$\sum PCN_i = 0.68''$$

$$\sum PCN_s = T$$

$$T_{davis} = 57/47$$

$$T_{UNV} = 57/43$$

$$T = 57^{\circ}F$$

$$T_{max} = 49^{\circ}F$$

$$T_d = 42^{\circ}F$$

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

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

Wednesday May 11, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. SW	Temp 74 °F	* overnight low 61° 2015 - 2020 LT - 2A		
Min.	57 * °F	Vel. 1 m.p.h.	Read. 28.80 in.			
Set	63 °F	Char. light	Corr. 28.68 in.			
R.H.	81 %	24 hr. Mov. — mi.	Sea L. 29.99 in.	0700 Clds. cu 3/10	1300 Clds.	1900 Clds. sc 8/10
Ppn. Liq.	T in.	Prev. Dir. —	3 hr. Tend. 4.5 mb	Wx HZ	Wx	Wx —
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer SW	Vis. 20 mi.	Vis. mi.	Vis. 20 mi.

$\bar{T} = 70$
CDD = 5
HDD = 0
 $\Sigma CDD = 6$
 $\Sigma HDD = 144$
 $\Sigma PCNL = 0.08''$
 $\Sigma PCNL_s = T$

$T_{max} = 63/58$
 $T_{min} = 43/57$

$T_{10} = 59$
 $\bar{T}_d = 57$

$PCNL_{70} = N/A$
 $\Sigma PCNL_{70} = N/A$

Thursday May 12, 2005

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	85 °F	Dir.	N	Temp	0034-0024 LT -SHRA 0109-0150 LT -SHRA 0217-0230 LT -SHRA 0344-0427 LT -SHRA		
Min.	54 °F	Vel.	7 m.p.h.	Read.			
Set	55 °F	Char.	breezy	Corr.	0700	1300	1900
R.H.	62 %	24 hr. Mov.	— mi.	Sea L.	Clds. 5r 10/10 cu	Clds.	Clds.
Ppn. Liq.	T in.	Prev. Dir.	—	3 hr. Tend.	Wx	Wx	Wx
Ppn. Sol.	0.0 in.	Snow Depth	0 in.	Observer	+2.5 / mb SLM	Vis.	Vis.
					25 mi.	mi.	mi.

$i = 70$
 $CSD = 5$
 $HDD = 0$
 $\Sigma CDD = 11$
 $\Sigma HDD = 144$
 $\Sigma PCNL = 0.08'$
 $\Sigma PCNL_s = T$

$T_{inv} = 54/46$
 $T_{davis} = 55/48$

$T_w = 47$
 $T_a = 42$

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

Friday, May 13, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	64 °F	Dir.	ENE	Temp	73 °F		
Min.	37 °F	Vel.	4 m.p.h.	Read.	29.22 in.		
Set	39 °F	Char.	Gusty	Corr.	29.10 in.		
R.H.	57 %	24 hr. Mov.	— mi.	Sea L.	36.50 in.		
Ppn. Liq.	0.00 in.	Prev. Dir.	—	3 hr. Tend.	+0.8 mb		
Ppn. Sol.	0.0 in.	Snow Depth	0 in.	Observer	MLS		
				0700	1300	1900	
				Clds. Ac	Clds.	Clds.	
				7/10 Sc			
				Wx Partly	Wx	Wx	
				sunny			
				Vis.	Vis.	Vis.	
				25 mi.	mi.	mi.	

T = 51
HDD = 14
CDD = 0
 Σ HDD = ~~109~~ 158
 Σ CDD = ~~11~~ 11
 Σ PCN_L = 0.08"
 Σ PCN_S = T

T_{DAVIS} = 40/26
T_{UNV} = 41/25

T_d = M
T_w = M

PCN_{UTB} = M
 Σ PCN_{UTB} = M

Saturday, May 14, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 64 °F	Dir. SSE	Temp 71 °F		-RA 0130 - 0200 LT -RA 0340 - 0400 LT		
Min. 39* °F	Vel. 2 m.p.h.	Read. 28.77 in.		* Overnight Low = 54°		
Set 56 °F	Char. Light + Variable	Corr. 28.65 in.	0700	1300	1900	
R.H. 44 %	24 hr. Mov. — mi.	Sea L. 29.98 in.	Clds. Cs 6/10 Cu	Clds.	Clds. Sc 7/10	
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. -1.8 mb	Wx Partly Sunny	Wx	Wx Mostly Cloudy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MLS	Vis. 15 mi.	Vis. mi.	Vis. 25 mi.	

$\bar{T} = 52$
HDD = 13
COD = 0
 $\Sigma \text{HDD} = 272.171$
 $\Sigma \text{COD} = 0$
 $\Sigma \text{PCN}_L = 0.10''$
 $\Sigma \text{PCN}_S = T$

$T_{\text{DAVIS}} = 54/33$
 $T_{\text{M}} = 55/54$

$T_d = m$
 $T_w = m$

$\text{PCN}_{L10} = m$
 $\Sigma \text{PCN}_{L10} = m$

Sunday, May 15, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir. SWA -	Temp 70 °F	-RA 1757-1802 RA 1803-1824		
Min.	56 °F	Vel. mm m.p.h.	Read. 28.69 in.	-RA 1825-1903, 1931-1944 -RA 2034-2133, 2224-2212 RA 0213-0214 -RA 0219-0303		
Set	56 °F	Char. -	Corr. 28.58 in.	0700	1300	1900
R.H.	71 %	24 hr. Mov. - mi.	Sea L. 29.91 in.	Clds. < 1 5/10 Cs	Clds.	Clds. Cc 4/10 Sc
Ppn. Liq.	0.26 in.	Prev. Dir. -	3 hr. Tend. /+2 mb	Wx Partly Cloudy	Wx	Wx Partly cloud.
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer SRS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 69$
HDD = 0
CDD = 4
 $\sum HDD = ~~171~~$
 $\sum CDD = 15$
 $\sum PCN_L = 0.36''$
 $\sum PCN_S = T$

$T_{DAVIS} = 57/57$
 $T_{UNV} = 57/52$

$T_{dry} = 56$
 $T_{wet} = 52$
 $T_{dew} = 49$

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

Monday May 16, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	69 °F	Dir. W	Temp 72 °F			
Min.	45 °F	Vel. 4 m.p.h.	Read. 28.79 in.			
Set	48 °F	Char. Light? Variable	Corr. 28.67 in.	0700	1300	1900
R.H.	77 %	24 hr. Mov. — mi.	Sea L. 30.03 in.	Clds. 4/10 Cc	Clds.	Clds.
Ppn. Liq.	0 in.	Prev. Dir. —	3 hr. Tend. + 2 mb	Wx Partly Sunny	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer SBS	Vis. 25 mi.	Vis. mi.	Vis. mi.

$$\begin{aligned}\bar{T} &= 57 \\ HDD &= 8 \\ CDD &= 0 \\ \Sigma HDD &= 179 \\ \Sigma CDD &= 15 \\ \Sigma PCN_L &= 0.36'' \\ \Sigma PCN_S &= T\end{aligned}$$

$$\begin{aligned}T_{Davis} &= N/A \\ T_{UVI} &= 52/41\end{aligned}$$

$$\begin{aligned}T_{air} &= 48 \\ T_{wet} &= 43 \\ T_{dew} &= 37\end{aligned}$$

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

Tuesday May 17, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 59 °F	Dir. NNW	Temp 73 °F				
Min. 41 °F	Vel. 3 m.p.h.	Read. 28.17 in.				
Set 46 °F	Char. Light: Variable	Corr. 28.85 in.		0700	1300	1900
R.H. 47 %	24 hr. Mov. — mi.	Sea L. 30.22 in.	Clds. 1/10	Clds. 3/10 Cu	Clds. 5/10 Cu	
Ppn. Liq. 0 in.	Prev. Dir. —	3 hr. Tend. N/A mb	Wx Mostly Sunny	Wx	Wx A. Cloudy	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SBS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\bar{T} = 50$$

$$HDD = 15$$

$$CDD = 0$$

$$\sum HDD = 144$$

$$\sum CDD = 15$$

$$\sum PCN_L = 0.36''$$

$$\sum PCN_S = T$$

$$T_{Dewis} = 48/34$$

$$T_{UNV} = 48/34$$

$$T_{dry} = 46^{\circ}F$$

$$T_{wet} = 40^{\circ}F$$

$$T_{dew} = 37^{\circ}F$$

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

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

Wednesday May 18, 2005

0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp				
64 °F	NE	72 °F				
Min.	Vel.	Read.				
42 °F	1 m.p.h.	29.00 in.				
Set	Char.	Corr.				
46 °F	calm	28.88 in.	0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
71 %	— mi.	30.25 in.	2/10 ci	4/10 cu	4/10 cu	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.00 in.	—	42.1 mb	—	—	P. cloudy	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.00 in.	0 in.	SMH	25 mi.	25 mi.	25 mi.	

T = 83
H00 = 12
C10 = 0
ΣH00 = 206
ΣC10 = 15
ΣPCNL = 0.36"
ΣPCNL₃ = T

T_{univ} = 46/39
T_{okvis} = 48/40

T₀ = 42
T_a = 37

PCNL_{TB} = N/A
ΣPCNL_{TB} = N/A

T = 31
HDD = 8
CDD = 0
 Σ HDD = 214
 Σ CDD = 15
 Σ PENL = 0.34"
 Σ PCNL₃ = T

T_{days} = 50/39
T_{ANV} = 52/37

T_{GW} = 46
T_a = 44

PCNL_{1B} = N/A
 Σ PCNL_{1B} = N/A

Friday, May 20, 2005

0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.	Wind	Barom.	-RA/RA 2045-OBS		
Max. 73 °F	Dir. ENE	Temp 75 °F			
Min. * 48 °F	Vel. 4 m.p.h.	Read. 28.78 in.	*Ornght Low = 50°F		
Set 50 °F	Char. Gusty	Corr. 28.65 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.00 in.	Clds. N5 20/10	Clds. N5 10/10 St	Clds. Sc 5/10
Ppn. Liq. 0.35 in.	Prev. Dir. —	3 hr. Tend. 7+0.8 mb	Wx Rain w/ fog	Wx Drizzle	Wx Partly Cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MLS	Vis. ~1 mi.	Vis. 10 mi.	Vis. 25 mi.

$I = 61$
 $HDD = 4$
 $CDD = 0$
 $\Sigma HDD = 218$
 $\Sigma CDD = 15$
 $\Sigma PCN_L = 0.91''$
 $\Sigma PCN_S = T$

$T_{DAVIS} = 50/50$
 $T_{LAW} = 54/50$

$T_s = M$
 $T_w = M$

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

Saturday, May 21, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 56 °F	Dir. WSW	Temp 73 °F	-RA OBS - 1230 LT			
Min. 41 °F	Vel. 1 m.p.h.	Read. 28.85 in.				
Set 47 °F	Char. Light	Corr. 28.72 in.				
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 30.08 in.	0700	1300	1900	
Ppn. Liq. 0.17 in.	Prev. Dir. —	3 hr. Tend. /+1.0 mb	Clds. Ci 2/10 St	Clds.	Clds. Cu 7/10 Sc	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer M.L.S	Wx Fog	Wx	Wx Mos Cl.	
			Vis. 6 mi.	Vis. mi.	Vis. 25 mi.	

$$T = 48$$

$$HDD = 17$$

$$CDD = 0$$

$$\Sigma HDD = 235$$

$$\Sigma CDD = 15$$

$$\Sigma PCN_L = 0.88''$$

$$\Sigma PCN_S = T$$

$$T_{DAVIS} = 49/49$$

$$T_{UN} = 50/48$$

$$T_d = M$$

$$T_w = M$$

$$PCN_{L70} = M$$

$$\Sigma PCN_{L70} = M$$

Sunday May 22, 2005 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 69 °F	Dir. NE	Temp 75 °F	Temp 75 °F	-RA 1509-1517 -RA 1614-1622 -RA 1637-1659, RA 1900-1905, -RA 1906-1928 -RA 0137-0224, 0408, 0433 * Overnight low: 48°F		
Min. 47 * °F	Vel. 1 m.p.h.	Read. 28.67 in.	Read. 28.67 in.			
Set 51 °F	Char. Light	Corr. 28.54 in.	Corr. 28.54 in.	0700	1300	1900
R.H. 60 %	24 hr. Mov. — mi.	Sea L. 21.88 in.	Sea L. 21.88 in.	Clds. Sc 7/10 Ci	Clds.	Clds. Sc 8/10
Ppn. Liq. 0.09 in.	Prev. Dir. —	3 hr. Tend. -0.3 mb	3 hr. Tend. -0.3 mb	Wx Mostly cloudy	Wx	Wx Mostly cloudy
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SBS	Observer SBS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$$\begin{aligned}T &= 58 \\HDD &= 7 \\CDD &= 0 \\ \Sigma HDD &= 242 \\ \Sigma CDD &= 15 \\ \Sigma PCN_L &= 0.97'' \\ \Sigma PCN_S &= T\end{aligned}$$

$$\begin{aligned}T_{dry} &= 54/48 \\ T_{wet} &= 55/48\end{aligned}$$

$$\begin{aligned}T_{dry} &= 51 \\ T_{wet} &= 46 \\ T_{den} &= 41\end{aligned}$$

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

Monday May 23, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	-RA 2255-2324 -RA 2349-2358 -RA 0009-0018 -RA 0620-065			
71 °F	—	75 °F				
Min.	Vel.	Read.				
48 °F	0 m.p.h.	28.49 in.				
Set	Char.	Corr.	0700	1300	1900	
48 °F	Calm	28.36 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds. St	
82 %	— mi.	29.70 in.	10/10	10/10	10/10 SC	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.02 in.	—	0.8 mb	-RA	DZ	Fog south mostly cloudy	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0 in.	0 in.	SBS	~10 mi.	~10 mi.	25 E ~10 S mi.	



$$\bar{T} = 60$$

$$HDD = 5$$

$$CDD = 0$$

$$\Sigma HDD = 247$$

$$\Sigma CDD = 15$$

$$\Sigma PCN_L = 0.99''$$

$$\Sigma PCN_S = T$$

$$T_{DwS} = 49/46$$

$$T_{UNV} = 50/46$$

$$T_{dry} = 48$$

$$T_{wet} = 46$$

$$T_{dew} = 44$$

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

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

Tuesday May 24, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 55 °F		Dir. N	Temp 75 °F	- RA 065-0931 LT RA 0932-1133 LT - RA 1134-1213 LT, 1241-1503 LT		
Min. 47 °F		Vel. 3 m.p.h.	Read. 28.52 in.			
Set 50 °F		Char. Light	Corr. 28.39 in.			
R.H. 74 %		24 hr. Mov. — mi.	Sea L. 29.73 in.	0700 Clds. st 10/10 Sc	1300 Clds. St 8/10 Sc	1900 Clds.
Ppn. Liq. 0.24 in.		Prev. Dir. —	3 hr. Tend. /+1 mb	Wx Cloudy	Wx Mostly Cloudy	Wx
Ppn. Sol. 0 in.		Snow Depth 0 in.	Observer SBS	Vis. 25 mi.	Vis. 25 mi.	Vis. mi.

$$\bar{T} = 51$$

$$HDD = 14$$

$$CDD = 0$$

$$\Sigma HDD = 261$$

$$\Sigma CDD = 15$$

$$\Sigma PCN_L = 1.23''$$

$$\Sigma PCN_S = T$$

$$\bar{T}_{Davis} = N/A$$

$$T_{UNV} = 54/48$$

$$T_{dry} = 50$$

$$T_{wet} = 47$$

$$T_{dew} = 44$$

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

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

Wednesday, May 25, 2005

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	58 °F	Dir. N	Temp 75 °F	-RA 1020-1310		
Min.	48 °F	Vel. 2 m.p.h.	Read. 28.70 in.	-RA/RA 1525-1630		
Set	49 °F	Char. Light Variable	Corr. 28.57 in.	-RA 1710-1750		
R.H.	100 %	24 hr. Mov. — mi.	Sea L. 29.92 in.	-RA 1955-2010		
Ppn. Liq.	0.11 in.	Prev. Dir. —	3 hr. Tend. +0.1 mb	-RA 0435-0510		
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer MLS	-0# 0745-OBS		
				0700	1300	1900
				Clds. As 10/10	Clds. St	Clds. St 8/10
				Wx	Wx	Wx
				Vis.	Vis.	Vis.
				10 mi.	mi.	25 mi.

T = 53
HDD = 12
CDD = 0
 Σ HDD = 273
 Σ CDD = 15
 Σ PCN_L = 1.34"
 Σ PCN_S = T

T_{DAVIS} = 51/48
T_{UNV} = 52/48

T_{dry} = M
T_{wet} = M

PCN_{LTB} = N/A
 Σ PCN_{LTB} = N/A

Thursday May 26, 2005

0700 EST

Meteorological Observations
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.			Dir.	Temp	+ overnight low 51 1200 - 1300 LT - SHRA 1410 - 1420 LT - SHRA 1500 - 1545 LT OZCL - OZ		
60	°F		WNW	76 °F			
Min.			Vel.	Read.			
49*	°F		2 m.p.h.	28.64 in.			
Set			Char.	Corr.			
56	°F		light	28.51 in.	0700	1300	1900
R.H.			24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
72	%		— mi.	29.84 in.	0/10	7/10 cu ci	7/10 ci
Ppn.	Liq.		Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx M.
T	in.		—	0 - mb	Clear	—	Clear
Ppn.	Sol.		Snow Depth	Observer	Vis.	Vis.	Vis.
0.0	in.		0 in.	SJM	25 mi.	25 mi.	25 mi.

1 - 55
HDD = 16
COD = 0
 Σ HDD = 282
 Σ COD = 15
 Σ PCNL = 1.34"
 Σ PCNLs = T

T_{days} = 57/48
T_{unit} = 54/46

T_w = 50
T_t = 46

PCNLTB = N/A
 Σ PCNLTB = N/A

Friday, May 27, 2005

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. SW	Temp 76 °F			
Min.	52 °F	Vel. 1 m.p.h.	Read. 28.69 in.			
Set	57 °F	Char. Lght Variable	Corr. 28.56 in.	0700	1300	1900
R.H.	70 %	24 hr. Mov. — mi.	Sea L. 30.19 in.	Clds. Cu 2/10	Clds. Cu 8/10	Clds. Ns 10/10 Cu
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. +0.5 mb	Wx Mostly Sunny	Wx AM Cloudy	Wx Cloudy
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer MLS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$$T = 65$$

$$HDD = 0$$

$$CDD = 0$$

$$\Sigma HDD = 282$$

$$\Sigma CDD = 45$$

$$\Sigma PCN_L = 1.34''$$

$$\Sigma PCN_S = T$$

$$T_{DAVIS} = 59/49$$

$$T_{UNV} = 63/48$$

$$T_w = M$$

$$T_d = M$$

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

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

Saturday, May 28, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 75 °F		Dir. WSW	Temp 72 °F	- RA 2210 - 2245		
Min. 51 °F		Vel. 1 m.p.h.	Read. 28.69 in.			
Set 54 °F		Char. Light Variable	Corr. 28.57 in.			
R.H. 93 %		24 hr. Mov. — mi.	Sea L. 7-0.5 in.	0700 Clds. Ac 8/10 As Cs	1300 Clds.	1900 Clds. Ci 6/10 Ac
Ppn. Liq. T in.		Prev. Dir. —	3 hr. Tend. 7-0.5 mb	Wx Mostly Cloudy	Wx	Wx Partly Sunny
Ppn. Sol. 0.0 in.		Snow Depth 0 in.	Observer MLS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$T = 63$
 $HDD = 2$
 $CDD = 0$
 $\Sigma HDD = 284$
 $\Sigma CDD = 15$
 $\Sigma PCN_L = 1.34''$
 $\Sigma PCN_S = T$

$T_{DAVES} = 54/52$
 $T_{UNV} = 57/52$

$T_d = M$
 $T_w = M$

$PCN_{179} = M$
 $\Sigma PCN_{179} = M$

Sunday May 29, 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 63 °F		Dir. SW	Temp 73 °F	-RA 0923 - 1013 RA 1014 - 1150 -RA 1151 - 1400 -RA 1725 - 1819		
Min. 48 °F		Vel. 3 m.p.h.	Read. 28.77 in.			
Set 52 °F		Char. Light	Corr. 28.65 in.			
R.H. 74 %		24 hr. Mov. — mi.	Sea L. 30.00 in.	Clds. Sc 10/10	Clds.	Clds. Ci 5/10 Cu
Ppn. Liq. 0.55 in.		Prey. Dir.	3 hr. Tend. /+1.5 mb	Wx Fog Cloudy	Wx	Wx Partly Cloudy
Ppn. Sol. 0 in.		Snow Depth 0 in.	Observer SBS	Vis. ~15 mi.	Vis. mi.	Vis. 25 mi.

$$\bar{T} = 56$$

$$HDD = 9$$

$$CDD = 0$$

$$\Sigma HDD = 293$$

$$\Sigma CDD = 15$$

$$\Sigma PCN_L = 1.89''$$

$$\Sigma PCN_S = T$$

$$T_{Davis} = 51/50$$

$$T_{UVV} = 55/52$$

$$T_{dry} = 52$$

$$T_{wet} = 49$$

$$T_{dew} = 46$$

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

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

Monday, May 30, 2005

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 68 °F	Dir. —	Temp 76 °F	- RA 1639-1656			
Min. 47 °F	Vel. 0 m.p.h.	Read. 28.83 in.				
Set 50 °F	Char. Calm	Corr. 28.70 in.				
R.H. 82 %	24 hr. Mov. — mi.	Sea L. 30.05 in.	0700	1300	1900	
Ppn. Liq. 0.04 in.	Prev. Dir. —	3 hr. Tend. +1.8 mb	Clds. Sc 10/10	Clds. Cu 7/10 As	Clds. Cu 5/10 As ci	
Wx Cloudy	Wx Mostly Cloudy	Wx H ₂ Partly Cloudy	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SBS				

$$\bar{T} = 58$$

$$HDD = 7$$

$$CDD = 0$$

$$\Sigma HDD = 300$$

$$\Sigma CDD = 15$$

$$\Sigma PCN_L = 1.93''$$

$$\Sigma PCN_S = T$$

$$T_{Davis} = 49/47$$

$$T_{UNV} = 52/48$$

$$T_{dry} = 50$$

$$T_{wet} = 48$$

$$\bar{T}_{dec} = 46$$

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

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

Tuesday, May 31, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.			
Max.	66 °F	Dir.	—	Temp	*RA 1654-1734 LT OCCLT			
Min.	45 °F	Vel.	0 m.p.h.	74 °F				
Set	50 °F	Char.	Calm	Read.				28.90 in.
R.H.	82 %	24 hr. Mov.	— mi.	Sea L.	30.14 in.	0700	1300	1900
Ppn.	0.13 in.	Prev. Dir.	—	3 hr. Tend.	+1 mb	Clds. C.	Clds. Cu	Clds. Cu
Ppn.	0 in.	Snow Depth	0 in.	Observer	SBS	Wx Fog	Wx Partly Cloudy	Wx —
						Vis.	Vis.	Vis.
						25 mi.	25 mi.	20 mi.

$$\bar{T} = 56$$

$$HDD = 1$$

$$CDD = 0$$

$$\Sigma HDD = 30.9$$

$$\Sigma CDD = 15$$

$$\Sigma PCN_L = 2.06''$$

$$\Sigma PCN_S = T$$

$$T_{oniss} = 45/45 (11\%)$$

$$T_{uvv} = 52/50$$

$$T_{dry} = 50$$

$$T_{wet} = 44$$

$$T_{dew} = 46$$

MAY TEMPS.

$$\bar{T}_{MAX} = 65.8$$

$$\bar{T}_{MIN} = 44.6$$

$$\bar{T}_{MAX} = 55.18$$

$$PCN_{L3B} = N/A$$

$$\Sigma PCN_{L3} = N/A$$