

Thursday May 1, 2003

0700 EST

Meteor. University Park, PA  
General Obs.

Temp.	Wind	Barom.	*Overnight low 60°		
Max. 71 °F	Dir. —	Temp 74 °F			
Min. 49* °F	Vel. 0 m.p.h.	Read. 28.85 in.			
Set 61 °F	Char. Calm	Corr. 28.72 in.	0700	1300	1900
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.04 in.	Clds. 7/10 Ci	Clds. 9/10 Cu, Cn	Clds. 10/10 Cn, St
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 10.4 mb	Wx HZ	Wx HZ	Wx -TSRA
Ppn. Sol. 0.0 in.	Snow Depth — in.	Observer KRJ	Vis. 5 mi.	Vis. 20 mi.	Vis. 15 mi.

HDD: 5  
CDD: 0  
 $\Sigma$ HDD: 5  
 $\Sigma$ CDD: 0  
 $\Sigma$ PEN<sub>L</sub>: 0.00

Days: 61/57  
Turn: 59/52

T<sub>w</sub>: 56  
T<sub>d</sub>: 53

PEN<sub>TB</sub>: 0.09  
 $\Sigma$ PEN<sub>TB</sub>: 0.00

Friday May 2, 2003

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 84 °F	Dir. —	Temp 77 °F	Temp 77 °F	* OUNT Low 62		
Min. * 61 °F	Vel. 0 m.p.h.	Read. 28.52 in.	Read. 28.52 in.	-SHRA 1820-1830LT -SHRA 0440-0500LT -TSRA 1920-1940LT -SHRA 2130-2150LT -SHRA 0300-0350LT		
Set 62 °F	Char. Calm	Corr. 28.40 in.	Corr. 28.40 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.71 in.	Sea L. 29.71 in.	Clds. 9/10 ac	Clds. 9/10 Ac, Sc	Clds. 9/10 Ac
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. 10.3 mb	3 hr. Tend. 10.3 mb	Wx -Fg valley	Wx HZ	Wx
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer RJDh	Observer RJDh	Vis. 25 mi.	Vis. 20 mi.	Vis. 25 mi.

$\bar{T} = 73$   
HDD = 0  
CDD = 8  
E HDD = 5  
E CDD = 8  
E PCN<sub>q</sub> = 0.01

$T_{\text{Davis}} = 62/60$   
 $T_{\text{uv}} =$

$T_w = 60$   
 $T_D = 62$

$PCN_{TB} = 0.00$   
 $E PCN_{TB} = 0.00$

Saturday May 3, 2003 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind		Barom.	General Obs.				
Max.	75 °F	Dir.	NNE	Temp	74 °F				
Min.	44 °F	Vel.	8 m.p.h.	Read.	28.90 in.				
Set	45 °F	Char.	Steady	Corr.	28.78 in.	0700	1300	1900	
R.H.	80 %	24 hr. Mov.	M mi.	Sea L.	30.16 in.	Clds.	210 ci	Clds.	Clds.
Ppn. Liq.	0.00 in.	Prev. Dir.	M	3 hr. Tend.	41.5 mb	Wx	MZ	Wx	Wx
Ppn. Sol.	0.0 in.	Snow Depth	0 in.	Observer	JEP	Vis.	20 mi.	Vis.	mi.

T: 60  
HDD: 5  
CDD: 0  
 $\Sigma$ HDD: 10  
 $\Sigma$ CDD: 8  
 $\Sigma$ PCNL: 0.01

T<sub>DAVIS</sub>: 47/38  
T<sub>UNV</sub>: 45/33

T<sub>w</sub>: 42  
T<sub>D</sub>: 39

PCNTB: 0.00  
 $\Sigma$ PCNTB: 0.00

Sunday May 4, 2003

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	*OVRT LOW 49			
65 °F	E/NE	74 °F				
Min.	Vel.	Read.				
45* °F	3 m.p.h.	28.97 in.				
Set	Char.	Corr.				
49 °F	Light	28.85 in.	0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
58 %	- mi.	30.22 in.	9/10 st		6 Ci 1016 Cu	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.00 in.	-	√+1.5 mb	cool			
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	0 in.	RSM	25 mi.		25 mi.	

$$\bar{T} = 55$$

$$HDD = 10$$

$$CDD = 0$$

$$\Sigma HDD = 20$$

$$ECDD = 8$$

$$EPCN_e = 0.01$$

$$T_{Dens} = 50/37$$

$$T_{unv} =$$

$$T_w = 43$$

$$T_d = 35$$

$$PCN_{T0} = 0.00$$

$$EPCN_{T0} = 0.00$$



Monday, May 5, 2003

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 65 °F	Dir. SSE	Temp 78 °F	* Overnight low 52°			
Mjn. 49* °F	Vel. 10 m.p.h.	Read. 28.92 in.				
Set 52 °F	Char. STEADY	Corr. 28.78 in.	0700	1300	1900	
R.H. 47 %	24 hr. Mov. — mi.	Sea L. 30.15 in.	Clds. 10/10 As	Clds. 10/10 NS	Clds. 10/10 st	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. v -0.5 mb	Wx Cool	Wx -Ra, Fg	Wx	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer RAK	Vis. 25 mi.	Vis. 2.5 mi.	Vis. 4 mi.	

$$\bar{T} = 57$$

$$HOD = 8$$

$$COD = 0$$

$$\epsilon_{HOD} = 28$$

$$\epsilon_{COD} = 8$$

$$\epsilon_{PCN_L} = 0.01''$$

$$T_{davi} = 51/37$$

$$T_{LWR} = 48/32$$

$$T_m = 43^\circ$$

$$T_d = 32^\circ$$

$$\rho_{CN_{TP}} = 0.00''$$

$$\epsilon_{PCN_B} = 0.00''$$

TUESDAY, MAY 6 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 53 °F	Dir. —	Temp 74 °F	*VIS. 4 MI TO SW - RA OCCN - RA 0855LT - 1715LT			
Min. 43 °F	Vel. 0 m.p.h.	Read. 28.78 in.				
Set 46 °F	Char. CALM	Corr. 28.66 in.				
R.H. 86 %	24 hr. Mov. — mi.	Sea L. 30.02 in.	0700 Clds. 10/10 St	1300 Clds. 10/10 St	1900 Clds. 9/10 Cu	
Ppn. Liq. 0.40 in.	Prev. Dir. —	3 hr. Tend. +1 mb	Wx Fg to SW	Wx H2	Wx VCTS, H2	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer J.M.M.	Vis. 16* mi.	Vis. 20 mi.	Vis. 10 mi.	

$$\bar{T} = 48$$

$$HDD = 17$$

$$CDD = 0$$

$$\Sigma HDD = 45$$

$$\Sigma CDD = 8$$

$$\Sigma P/NL = 0.41''$$

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

$$TW = 44$$

$$T_{MNV} = 45/41$$

$$T_D = 42$$

$$P_{CNTB} = 0.00''$$

$$\Sigma P_{CNTB} = 0.00''$$

Wednesday, May 7, 2003

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 67 °F	Dir. —	Temp 75 °F	* Overnight Low 52° -TSRA 1935 - 2000LT			
Min. 46* °F	Vel. 0 m.p.h.	Read. 28.85 in.				
Set 56 °F	Char. Calm	Corr. 28.72 in.	0700	1300	1900	
R.H. 78 %	24 hr. Mov. — mi.	Sea L. 30.05 in.	Clds. 7/10 Ci	Clds. 10/10 St, AC	Clds. 10/10 Ns	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. 12.0 mb	Wx Fg	Wx HZ	Wx Fg	
Ppn. Sol. 0.00 in.	Snow Depth 0 in.	Observer KRV	Vis. 2 mi.	Vis. 8 mi.	Vis. 5 mi.	

$T: 57$

$HDD: 8$

$CDD: 0$

$\Sigma HDD: 53$

$\Sigma CDD: 8$

$\Sigma PCN_L: 0.41$

$\Sigma PCN_S: 0.0$

$T_{Davis}: 58/57$

$T_{avr}: 50/48$

$T_w: 52$

$T_o: 49$

$PCN_{to}: 0.00$

$\Sigma PCN_{to}: 0.09$

Thursday May 8, 2003

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	76 °F	Dir.	Temp	*Overnight + Low 57° -TSRA 1500 - 1630LT -RA 1630 - 1700LT -RA 1900 - 1950LT -RA 0750 - 065 LT		
Min.	56* °F	—	74 °F			
Ver.	0 m.p.h.	Read.	28.75 in.			
Set	59 °F	Char.	Corr.	0700	1300	1900
		Calm	28.62 in.			
R.H.	90 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		— mi.	29.94 in.	10/10 NS	10/10 ST, RC	6/10 AC, Cn
Ppn. Liq.	0.08 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		—	10.3 mb	-RA, Fg	HZ	HZ
Ppn. Sol.	0.0 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		— in.	KRV	2 mi.	10 mi.	10 mi.

F: 66

HDD: 0

CDD: 1

$\Sigma$ HDD: 53

$\Sigma$ CDD: 9

$\Sigma$ PEN<sub>L</sub>: 0.49

T<sub>draw</sub>: 59/59

T<sub>run</sub>: 55/55

T<sub>w</sub>: 57

T<sub>D</sub>: 56

PEN<sub>FB</sub>: 0.09

$\Sigma$ PEN<sub>FB</sub>: 0.00



Friday May 9, 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	71 °F	Dir. -	Temp 77 °F	-RA 0800-0850LT -RA 1245-1400LT occl Thunder -SHRA 0545-1545LT +TSRA 1630-1730 GR		
Min.	53 °F	Vel. 0 m.p.h.	Read. 28.82 in.	*TRACE OF HAIL		
Set	55 °F	Char. Calm	Corr. 28.67 in.	0700	1300	1900
R.H.	100 %	24 hr. Mov. - mi.	Sea L. 30.05 in.	Clds. 10/10 St	Clds. 10/10 St	Clds. 10/10 St
Ppn. Liq.	0.50 in.	Prev. Dir. -	3 hr. Tend. +1.0 mb	Wx Fg	Wx HZ	Wx HZ
Ppn. Sol.	0.0* in.	Snow Depth 0 in.	Observer RSM	Vis. 1/2 mi.	Vis. 6 mi.	Vis. 10 mi.

$T = 62$   
 $HDD = 3$   
 $EOD = 0$   
 $EHDD = 8$   
 $ECDD = 9$   
 $ERML = 0.99$

$T_{Davis} = 54/54$   
 $T_{unv} =$

$T_w = -$   
 $T_D = 55$

$PC_{TB} = 0.00$   
 $ER_{NTB} = 0.00$

Saturday, May 10, 2003  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	*OUNT LOW 610			
63 °F	W	78 °F	- RA 1030 - 1100 LT			
Min.	Vel.	Read.	- TSRA 1100 - 1120 LT			
52* °F	2 m.p.h.	28.78 in.	- RA 1120 - 1145 LT			
Set	Char.	Corr.	- RA 0415 - 0430 LT			
63 °F	light	28.63 n.	- RA 0430 - 0530 LT			
R.H.	24-hr. Mov.	Sea L.	0700	1300	1900	
93 %	m mi.	30.94 in.	Clds. Ci/Ak, 1	Clds. 1	Clds. 10/10 Cu	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.31 in.	N	10.5 mb	H2		H2	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	0 in.	JEP	20 mi.	mi.	15 mi.	

T: 58  
HDD: 7  
CDD: 0  
 $\Sigma$ HDD: 56  
 $\Sigma$ CDD: 9  
 $\Sigma$ PCNL: 1.30

T DAVIS: 57/56  
T UNV: 54/53

T W: 62  
T O: 61

PCNTB: 0.00  
EPCNTB: 0.00

Sunday May 11, 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	75 °F	Dir.	Temp	*OUNT LOW -63 -RA 0800-1020 -RA 0800-0810 -RA 0320-0335 RA 0405-0420 -RA 0940-0610 -RA 0620-0700		
		—	72 °F			
Min.	55* °F	Vel.	Read.			
		0 m.p.h.	28.53 in.			
Set	67 °F	Char.	Corr.	0700	1300	1900
		Calm	28.41 in.	Clds.	Clds.	Clds.
R.H.	84 %	24 hr. Mov.	Sea L.	10/10 AS		4/10 AC
		— mi.	29.71 in.	Wx	Wx	Wx
Ppn. Liq.	0.05 in.	Prev. Dir.	3 hr. Tend.	Valley Fog		
		—	70.5 mb	Vis.	Vis.	Vis.
Ppn. Sol.	0.00 in.	Snow Depth	Observer	15 mi.		20 mi.
		— in.	JAS			

T: 65  
H00: 0  
C00: 0  
 $\Sigma$  H00: 63  
 $\Sigma$  C00: 9  
 $\Sigma$  PCN: 1.35

T Davis: 65/68  
Tuvu: 63/61

Tu=64  
T0=62

PCN<sub>T0</sub>: 0.00  
 $\Sigma$  PCN<sub>T0</sub>: 0.00

MONDAY MAY 12 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp		- RA 1055-1115 LT OCCNL THUNDER/LTG 845-1120 LT - RA 1500-1520 LT OCCNL - RA 0350-085 LT		
81 °F	WSW	77 °F				
Min.	Vel.	Read.				
51 °F	10 m.p.h.	28.40 in.				
Set	Char.	Corr.		0700	1300	1900
53 °F	BUSY	28.27 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
74 %	— mi.	29.60 in.	10/10 NS SC	10/10 SC	9/10 SC	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.08 in.	—	-1 mb	-RA	—	—	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	0 in.	M.T.M.	8 mi.	22 mi.	22 mi.	

$$\bar{T} = 66$$

$$HDD = 0$$

$$COD = 1$$

$$\Sigma HDD = 63$$

$$\Sigma COD = 10$$

$$\Sigma PENL = 1.43$$

$$TDAVIS = 53/46$$

$$TUNV = 52/43$$

$$TW = 49$$

$$TD = 46$$

$$PCNTB = 0.00$$

$$\Sigma PCNTB = 0.00$$



Tuesday, May 13, 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 54 °F	Dir. WNW	Temp 74 °F	- RA OBS 1030-1000LT 1315-1349LT 1445-1600LT 1710-1845LT 1910-1925LT - DZ 0500-0530LT	1030-1000LT	2035-2045LT	
Min. 46 °F	Vel. 11 m.p.h.	Read. 28.55 in.		1315-1349LT	2200-2205LT	
Set 46 °F	Char. Gusty	Corr. 28.42 in.		0700	1300	1900
R.H. 80 %	24 hr. Mov. — mi.	Sea L. 29.77 in.	Clds. 10/10 Sc	Clds. 10/10 Sc	Clds. 8/10 ac	
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. 1.0 mb	Wx —	Wx windy	Wx -DZ	
Ppn. Sol. — in.	Snow Depth — in.	Observer BPM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\bar{T} = 50$$

$$HDD = 15$$

$$CDD = 0$$

$$\Sigma HDD = 78$$

$$\Sigma CDD = 10$$

$$\Sigma PCNL = 1.45$$

$$T_{\text{Davis}} = 46/41$$

$$T_{\text{uuv}} = 45/37$$

$$T_w = 43$$

$$T_D = 40$$

$$PCNTB = M$$

$$\Sigma PCNTB = M$$

Wednesday, May 14<sup>th</sup> 2003

0700 EST

Temp.			Wind	Barom.	General Obs.		
Max.	52 °F	Dir.	NW	Temp	73 °F	-RA 1315-1425 LT 1455-2010 LT	
Min.	44 °F	Vel.	5 m.p.h.	Read.	28.70 in.	OCLL - DZ	
Set	48 °F	Char.	GUSTY	Corr.	28.64 in.	0700	1300
R.H.	74 %	24 hr. Mov.	- mi.	Sea L.	30.00 in.	Clds.	2/10 SC
Ppn.	0.02 in.	Prev. Dir.	-	3 hr. Tend.	+1.8 mb	Clds.	7/10 SC
Ppn.	- in.	Snow Depth	- in.	Observer	SMM	Wx	-
Sol.	- in.					Wx	-
						Vis.	25 mi.
						Vis.	25 mi.
						Vis.	25 mi.

$$\bar{T} = 48$$

$$HDD = 17$$

$$CDD = 0$$

$$T_{DAVIS} = 48/43$$

$$T_{UNV} = 48/39$$

$$T_w = 44$$

$$T_D = 40$$

$$\Sigma HDD = 95$$

$$\Sigma CDD = 10$$

$$\Sigma PCNL = 1.47$$

$$PCNTB = M$$

$$\Sigma PCNTB = M$$

Thursday, May 15<sup>th</sup> 2003 0700 EST

Temp.			Wind		Barom.		General Obs.		
Max.		Dir.	Temp						
66	°F	NE	74	°F					
Min.		Vel.	Read.						
48	°F	2 m.p.h.	28.88	in.					
Set		Char.	Corr.						
49	°F	light	28.75	in.	0700	1300	1900		
R.H.		24 hr. Mov.	Sea L.		Clds.	Clds.	Clds.		
74	%	— mi.	31.10	in.	10/10 St BINOVC	10/10 St, Sc	10/10 Ns		
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.		Wx	Wx	Wx		
0.00	in.	—	1.5	mb	Haze	Haze	<del>Haze</del> - DZ Fog		
Ppn.	Sol.	Snow Depth	Observer		Vis.	Vis.	Vis.		
—	in.	— in.	SMM		20	23	10	mi.	mi.

$$\bar{T} = 57$$

$$HDD = 8$$

$$CDD = 0$$

$$\sum HDD = 103$$

$$\sum CDD = 10$$

$$\sum PCNL = 1.47$$

$$T_{DAVIS} = 50/45$$

$$T_{WV} = 48/41$$

$$T_W = 45$$

$$T_D = 41$$

$$PCNTB = M$$

$$\sum PCNTB = M$$

16 May 2003, Friday 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 64 °F	Dir. —	Temp 72 °F	* ovnt low 50 - RA 14:10 - 19:00 LT - RA 19:40 - obs LT occl RA, + RA			
Min. 49 * °F	Vel. calm m.p.h.	Read. 28.97 in.				
Set 50 °F	Char. calm	Corr. 28.84 in.	0700	1300	1900	
R.H. 90% %	24 hr. Mov. — mi.	Sea L <sup>30</sup> 30.20 in.	Clds. Ns 10 10	Clds. 10/10 As	Clds. 10/10 Sc	
Ppn. Liq. .61 in.	Prev. Dir. —	3 hr. Tend. +1.5 mb	Wx rainy	Wx —	Wx drizzle	
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 5 mi.	Vis. 17 mi.	Vis. 20 mi.	

$$\bar{T} = 57$$

$$HDD = 8$$

$$CDD = 0$$

$$\sum HDD = 111$$

$$\sum CDD = 10$$

$$\sum PCNL = 2.08$$

$$T_{\text{davis}} = 50/49 \quad T_w = 48.5$$

$$T_{\text{unv}} = 50/44 \quad T_d = 47$$

$$PCN_{TB} = M$$

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



SAT. MAY 17, 2003

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 53 °F	Dir. E	Temp 72 °F	* VIS 5 MI E, 20 MI W OCELL - RA OBS - 1330 LT			
Min. 47 °F	Vel. 3 m.p.h.	Read. 29.15 in.				
Set 48 °F	Char. LIGHT	Corr. 29.02 in.				
R.H. 89 %	24 hr. Mov. - mi.	Sea L. 30.40 in.	0700 Clds. 10/10 NS	1300 Clds.	1900 Clds. 10/10 AS	
Ppn. Liq. 0.03 in.	Prev. Dir. -	3 hr. Tend. +1.5 mb	Wx -DZ	Wx	Wx -	
Ppn. Sol. - in.	Snow Depth - in.	Observer SGH	Vis. 5 <sup>x</sup> mi.	Vis. mi.	Vis. 3 mi.	

$$\begin{aligned}\bar{T} &= 50 \\ HDD &= 15 \\ CDD &= 0 \\ \Sigma HDD &= 126 \\ \Sigma CDD &= 10 \\ \Sigma ACN_L &= 2.11\end{aligned}$$

$$\begin{aligned}T_{DMS} &= 48/46 \\ T_{UM} &= 46/42\end{aligned}$$

$$\begin{aligned}T_w &= 46.5 \\ T_D &= 45\end{aligned}$$

$$\begin{aligned}PCNT_B &= M \\ \Sigma PCNT_B &= M\end{aligned}$$

Sunday May 18, 2003

0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.			
Max.	51 °F	Dir.	ENE	Temp	72 °F	-RA 0100-0130 -RA 0220-0800		
Min.	47 °F	Vel.	3 m.p.h.	Read.	29.13 in.			
Set	48 °F	Char.	light	Corr.	29.00 in.			
R.H.	100 %	24 hr. Mov.	- mi.	Sea L.	30.34 in.	0700	1300	1900
Ppn. Liq.	.02 in.	Prev. Dir.	-	3 hr. Tend.	1.5 mb	Clds.	Clds.	Clds.
Ppn. Sol.	- in.	Snow Depth	- in.	Observer	JAS	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						3.5 mi.	mi.	25 mi.

$$\begin{aligned}\bar{T} &= 49 \\ H00 &= 16 \\ C00 &= 0 \\ \Sigma H00 &= 142 \\ \Sigma C00 &= 10 \\ \Sigma PCN_i &= 2.13\end{aligned}$$

$$\begin{aligned}T_{davs} &: 48/48 \\ T_{uv} &: 48/45\end{aligned}$$

$$\begin{aligned}T_w &= 48 \\ T_d &= 48\end{aligned}$$

$$\begin{aligned}PCN_{TB} &= 0.00 \\ \Sigma PCN_{TB} &= 0.00\end{aligned}$$

MONDAY MAY 19 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind		Barom.	General Obs.					
Max.	59 °F	Dir.	—	Temp	71 °F	OCCNL RA 0800-0915 LT					
Min.	41 °F	Vel.	0 m.p.h.	Read.	29.17 in.						
Set	45 °F	Char.	CALM	Corr.	29.06 in.	0700	1300	1900			
R.H.	79 %	24 hr. Mov.	— mi.	Sea L.	30.47 in.	Clds.	1/10 CI	Clds.	7	Clds.	7/10 As
Ppn.	0.02 in.	Prev. Dir.	—	3 hr. Tend.	+0.5 mb	Wx		Wx		Wx	
Ppn.	0.0 in.	Snow Depth	0 in.	Observer	H.M.M.	Vis.	25 mi.	Vis.		Vis.	25 mi.



$$\bar{T} = 50$$

$$4DD = 15$$

$$COD = 0$$

$$\Sigma HOD = 157$$

$$\Sigma cDD = 10$$

$$2PCNV = 2.15$$

$$TDAVIS = 48/42$$

$$TUNV =$$

$$TW = 42$$

$$TD = 39$$

$$PCNTB = 0.00$$

$$\Sigma PCNTB = 0.00$$

Tuesday, May 20, 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	72 °F	Dir. SSE	Temp 74 °F	*0vnt Low 51° F		
Min.	45 °F	Vel. 2 m.p.h.	Read. 29.12 in.			
Set	54 °F	Char. Light	Corr. 29.00 in.			
R.H.	61 %	24 hr. Mov. — mi.	Sea L. 30.36 in.	0700	1300	1900
Ppn.	0.00 in.	Prev. Dir. —	3 hr. Tend. — 0 mb	Clds. 5/10 Ci	Clds. 10/10 As	Clds. 10/10 Bs
Ppn.	0 in.	Snow Depth 0 in.	Observer BPM	Wx Contrails Valley Fog	Wx	Wx -02
				Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 58^\circ$   
HDD = 6  
CDD = 0  
 $\Sigma$ HDD = 163  
 $\Sigma$ CDD = 10  
 $\Sigma$  PCNL = 2.15"

$T_{\text{DAYS}} = 50^\circ$   
 $T_{\text{UNW}} = 54^\circ$

$T_w = 48^\circ$   
 $T_o = 1/2^\circ$

PCNTB = 0  
 $\Sigma$ PCNTB = 0



Wednesday, May 21<sup>st</sup> 2003 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	72 °F	Dir. N	Temp 76 °F	→ RA OCCL, 1713-415 LT RA OCCL DB 435-545 LT		
Min.	51 °F	Vel. 8 m.p.h.	Read. 29.06 in.			
Set	51 °F	Char. Gusty	Corr. 28.93 in.	0700	1300	1900
R.H.	80 %	24 hr. Mov. — mi.	Sea L. 30.29 in.	Clds. 10/10 Sc	Clds. 10/10 Sc	Clds. 5/10 Ci
Ppn. Liq.	0.14 in.	Prev. Dir. —	3 hr. Tend. +2.6 mb	Wx	Wx	Wx contrails
Ppn. Sol.	— in.	Snow Depth — in.	Observer SMM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$$\bar{T} = 62$$

$$\#DD = 3$$

$$CDD = 0$$

$$\Sigma HDD = 1666$$

$$\Sigma CDD = 10$$

$$\Sigma PCNL = 2.29''$$

$$T_{DAVIS} = 51/48$$

$$T_{UNV} = 48/44$$

$$T_w = 48'$$

$$T_D = 45'$$

$$PCNTB = M$$

$$\Sigma PCNTB = M$$

Thursday, May 22<sup>nd</sup> 2003 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	58 °F	Dir. N	Temp 74 °F	-RASH ~0700 LT		
Min.	46 °F	Vel. 5 m.p.h.	Read. 29.07 in.			
Set	48 °F	Char. Gusty	Corr. 28.94 in.			
R.H.	66 %	24 hr. Mov. — mi.	Sea L. 30.31 in.	0700 Clds. Sc 9/10 Ci	1300 Clds. 10/10 Sc	1900 Clds. Sc 8/10 Ac
Ppn. Liq.	T in.	Prev. Dir. —	3 hr. Tend. -+0.2 mb	Wx —	Wx —	Wx —
Ppn. Sol.	— in.	Snow Depth — in.	Observer SMM	Vis. 25 mi.	Vis. 25 mi.	Vis. 20 mi.

$$\bar{T} = 52$$

$$HDD = 13$$

$$CDD = 0$$

$$\sum HDD = 179$$

$$\sum CDD = 10$$

$$\sum PCNL = 2.29''$$

$$T_{Davis} = 48/42 \quad T_w = 43$$

$$T_{ONU} = 46/37 \quad \bar{T}_D = 37$$

$$PCNTB = M$$

$$\sum PCNTB = M$$

Friday, May 23, 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 61 °F	Dir. East	Temp 78 °F	*ovnt low 5a - RASH 11:45-12:15 - DZ 05:30 - 07:00 * 4 mi to east, 2 mi west - RASH obs			
Min. 48* °F	Vel. 3 m.p.h.	Read. 29.02 in.				
Set 52 °F	Char. light	Corr. 28.89 in.	0700	1300	1900	
R.H. 86 %	24 hr. Mov. — mi.	Sea L. 30.25 in.	Clds. 10/10 St	Clds.	Clds. 10/10 St	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. 10.0 mb	Wx HZ	Wx	Wx -RASH	
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 5 mi.	Vis. mi.	Vis. 4* mi.	

$$\bar{T} = 55$$

$$HDD = 10$$

$$CDD = 0$$

$$\Sigma HDD = 189$$

$$\Sigma CDD = 10$$

$$\Sigma PCNL = 2.3''$$

$$T_{\text{Davis}} = 53/51 \quad T_w = 50$$

$$T_{\text{unvr}} = 51/46 \quad T_D = 48$$

$$PCNTB = M$$

$$\Sigma PCNTB = M$$

Sat. May 24, 2003 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 59 °F	Dir. —	Temp 77 °F	11:04 - 11:24 - RA LT 19:40 - 20:06 - RA LT			
Min. 52 °F	Vel. — m.p.h.	Read. 28.82 in.	21:26 - 21:36 LT - RA 22:05 - 03:38 LT - RA, ocnl RA 04:53 - obs LT - RA, ocnl RA			
Set 53 °F	Char. calm	Corr. 28.69 in.	0700	1300	1900	
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.04 in.	Clds. 10/10 NS	Clds.	Clds. 5/10 ac	
Ppn. Liq. .26 in.	Prev. Dir. —	3 hr. Tend. -0.0mb	Wx RA	Wx	Wx —	
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 5 mi.	Vis. mi.	Vis. 15 mi.	

$$\bar{T} = 56$$

$$+HDD = 9$$

$$CDD = 0$$

$$\Sigma HDD = 198$$

$$\Sigma CDD = 10$$

$$\Sigma PCNL = 2.56''$$

$$T_{Davis} = 52/52$$

$$T_{unv} = 50/50$$

$$T_w = 52$$

$$T_D = 51$$

$$PCN_{TB} = M$$

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



Sunday May 25, 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 66 °F	Dir. —	Temp 76 °F	- RA OBS - 0930			
Min. 53 °F	Vel. — m.p.h.	Read. 28.73 in.				
Set 58 °F	Char. calm	Corr. 28.60 in.	0700	1300	1900	
R.H. 91 %	24 hr. Mov. — mi.	Sea L. 29.88 in.	Clds. AC 7/10	Clds.	Clds. .0/10 St	
Ppn. Liq. .01 in.	Prev. Dir. —	3 hr. Tend. -0.0 mb	Wx Fog	Wx	Wx	
Ppn. Sol. — in.	Snow Depth — in.	Observer JAS	Vis. 4 mi.	Vis. mi.	Vis. 8 mi.	

$$\begin{aligned}\bar{T} &= 60 \\ H_{100} &= 5 \\ C_{100} &= 0 \\ \Sigma H_{100} &= 203 \\ \Sigma C_{100} &= 10 \\ \Sigma PCN_L &= 257\end{aligned}$$

$$\begin{aligned}T_{\text{avis}} &= 56/55 \\ T_{\text{unw}} &= 54/52\end{aligned}$$

$$\begin{aligned}T_w &= 55 \\ T_0 &= 53\end{aligned}$$

$$PCN_{T_0} = 0.00$$

$$\Sigma PCN_{T_0} = 0.00$$

MONDAY MAY 26 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	71 °F	Dir. E	Temp 76 °F	DE, OCCAL -RA/RA 2145-085 LT KUNV: TSTORM 2320 LT		
Min.	55 °F	Vel. 3 m.p.h.	Read. 28.77 in.			
Set	56 °F	Char. STEADY	Corr. 28.64 in.			
R.H.	93 %	24 hr. Mov. — mi.	Sea L. 20.10 in.	0700 Clds. 10/10 NS	1300 Clds. 10/10 ST	1900 Clds. 9/10 SC
Ppn. Liq.	0.10 in.	Prev. Dir. —	3 hr. Tend. STEADY mb	Wx DE	Wx	Wx TCu NE
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer P.M.M.	Vis. 4 mi.	Vis. 6 mi.	Vis. 10 mi.

$$\bar{T} = 63$$

$$TDD = 2$$

$$CDD = 0$$

$$\Sigma HDB = 205$$

$$\Sigma CDD = 10$$

$$\Sigma PCNL = 2.67$$

$$TDAVIS = 58/53$$

$$TUNV = 55/54$$

$$TW = 55$$

$$TD = 5\%$$

$$YPCNTB = 0.00$$

$$\Sigma PCNTB = 0.00$$

Tuesday, May 27, 2003

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 62 °F		Dir. NE	Temp 73 °F	085-0900LT -RA 2015-2105LT OCM-RA 0900-0915LT RA 2120-0015LT OCM-RA 0915-0955LT +RA OZ 0955-1210LT -RA OCM RA, DZ 1610-1650LT -RA		
Min. 53 °F		Vel. 2 m.p.h.	Read. 28.93 in.			
Set 54 °F		Char. Light	Corr. 28.79 in.	0700	1300	1900
R.H. 83 %		24 hr. Mov. — mi.	Sea L. 30.13 in.	Clds. 10/10 Sc	Clds. 10/10 Sc	Clds. 9/10 AC
Ppn. Liq. 0.22 in.		Prev. Dir. —	3 hr. Tend. / 1 mb	Wx Dense Valley Fog	Wx	Wx —
Ppn. Sol. — in.		Snow Depth — in.	Observer BPM	Vis. 3 mi.	Vis. 22 mi.	Vis. 17 mi.

$\bar{T} = 58$   
HDD = 7  
CDD = 0  
 $\Sigma$ HDD = 212  
 $\Sigma$ CDD = 10  
 $\Sigma$ PCNL = 2.89"

$T_{\text{Davis}} = 54^\circ$   
 $T_{\text{UNV}} = 52^\circ$

$T_w = 51^\circ$   
 $T_D = 49^\circ$

PCNTB = M  
 $\Sigma$ PCNTB = M

Wednesday, May 28<sup>th</sup> 2003 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 65 °F	Dir. NW	Temp 77 °F		0910-1030 LT -RA 2125-2200 LT -RA		
Min. 52 °F	Vel. 2 m.p.h.	Read. 28.64 in.		2310-0000 LT - RA 325-345 LT - RA		
Set 53 °F	Char. light	Corr. 28.50 in.		1645-1700 LT -T VCY 2000-2100 1800-1900 LT -T VCY -T-VCY CVR →		
				0700	1300	1900
R.H. 86 %	24 hr. Mov. - mi.	Sea L. 29.83 in.	Clds. 10/10 Sc	Clds. Sc 10/10 BKSINOC Cu	Clds. Sc 10/10 BKSINOC	
Ppn. Liq. .06 in.	Prev. Dir. -	3 hr. Tend. - mb	Wx FG	Wx -	Wx -RA	
Ppn. Sol. - in.	Snow Depth - in.	Observer SMM	Vis. 3 mi.	Vis. 25 mi.	Vis. 23 mi.	

$$\bar{T} = 59$$

$$HDD = 6$$

$$CDD = 0$$

$$\Sigma HDD = 218$$

$$\Sigma CDD = 10$$

$$\Sigma PCNL = 2.95$$

$$T_{DVIS} = 53/53$$

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

$$T_w = 51^\circ$$

$$T_D = 49^\circ$$

$$PCNTB = M$$

$$\Sigma PCNTB = M$$

0400-0500 LT - RA



Thursday, May 29, 2003 0700 EST

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	1020-1100 LT -RA			
66 °F	W	76 °F	1430-1445 LT -RA			
Min.	Vel.	Read.	1825-1900LT-TSRA			
49 °F	3 m.p.h.	28.45 in.	1915-1955 LT RA			
Set	Char.	Corr.	1955-2010 LT -RA			
53 °F	light	27.10 in.	0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds. Cu	Clds. Sc	
83 %	- mi.	28.37 in.	1/10 Ci	5/10 Tcu	7/10 Al	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.39 in.	-	-0.30 mb	FG	Haze	Haze	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
- in.	- in.	SMM	10 mi.	17 mi.	17 mi.	



$$\bar{T} = 58$$

$$HDD = 7$$

$$CDD = 0$$

$$\sum HDD = 225$$

$$\sum CDD = 10$$

$$\sum PCNL = 3.34$$

$$T_{Davis} = 53/52$$

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

$$T_w = 50$$

$$T_o = 48$$

$$PCNTB = M$$

$$\sum PCNTB = M$$

Fri. May 30, 2003 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 74 °F	Dir. NW	Temp 78 °F	*ovnt low 55 -SHAA 1800-1815 LT			
Min. * 53 °F	Vel. 10 m.p.h.	Read. 28.57 in.				
Set 57 °F	Char. light	Corr. 28.44 in.	0700	1300	1900	
R.H. 83 %	24 hr. Mov. — mi.	Sea L. 29.76 in.	Clds. 9/10 Sc	Clds. 4/10 AC	Clds. ClSt 10/10	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. -2.5mb	Wx HZ	Wx —	Wx —	
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 17 mi.	Vis. 17 mi.	Vis. 25 mi.	

$$\bar{T} = 64$$

$$HDD = 1$$

$$CDD = 0$$

$$\sum HDD = 226$$

$$\sum CDD = 10$$

$$\sum PCNL = 3.34$$

$$T_{Davis} = 57/54$$

$$T_{unv} = 57/50$$

$$T_w = 54$$

$$T_D = 52$$

$$PCN_{TB} = M$$

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

Sat. May 31, 2003

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 72 °F	Dir. —	Temp 78 °F		02:00 - 02:20 LT - RA 03:40 - 03:50 LT - RA		
Min. 55 °F	Vel. — m.p.h.	Read. 28.43 in.		04:30 - 04:56 LT - RA, ocnl RA 06:30 - obs LT — RA, ocnl RA ocnl + RA		
Set 56 °F	Char. calm	Corr. 28.29 in.		0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.61 in.	Clds. 19/10 Ns	Clds.		Clds. 10/10 Sc
Ppn. Liq. .31 in.	Prev. Dir. —	3 hr. Tend. -1 mb	Wx RA	Wx		Wx HZ
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 1/4 mi.	Vis. mi.		Vis. 1.5 mi.

$$\bar{T} = 64$$

$$HDD = 1.$$

$$CDD = 0$$

$$\sum HDD = 227$$

$$\sum CDD = 10$$

$$\sum PCNL = 3.65$$

$$T_{\text{Davis}} = 56/56$$

$$T_{\text{unv}} = 53/51$$

$$T_w = M$$

$$T_D = 56$$

(from Davis)