

Tuesday October 1, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 73 °F	Dir. —	Temp 67 °F	* Overnight Low 57°			
Min. 51* °F	Vel. 0 m.p.h.	Read. 29.03 in.				
Set 58 °F	Char. Calm	Corr. 28.92 in.	0700	1300	1900	
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.26 in.	Clds. Clear	Clds. 3/10 CU	Clds. clear	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +10.8 mb	Wx Fg	Wx H2	Wx Fg	
Ppn. Sol. — in.	Snow Depth — in.	Observer KRV	Vis. 2.6 mi.	Vis. 12 mi.	Vis. 8 mi.	

$$T = 62$$

$$HDD = 3$$

$$CDD = 0$$

$$\Sigma HDD = 3$$

$$\Sigma CDD = 0$$

$$\Sigma PENL = 0.00$$

$$T_{davis} = 59/58$$

$$T_{UNV} = 57/53$$

$$T_w = 56$$

$$T_d = 55$$

$$PENTB = 0.00$$

$$\Sigma PENTB = 0.00$$

Wednesday, October 2, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. —		Temp 68 °F	*Overnight low 63°		
Min. 58* °F	Vel. 0 m.p.h.		Read. 28.94 in.			
Set 63 °F	Char. calm		Corr. 28.82 in.			
R.H. 91 %	24 hr. Mov. — mi.	Sea L. 30.15 in.	Clds. clear	Clds. Cu 5/10	Clds. clear	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 0 mb	Wx Fg	Wx HZ	Wx Fg	
Ppn. Sol. 0.0 in.	Snow Depth 0.0 in.	Observer RAK	Vis. 3 mi.	Vis. 10 mi.	Vis. 2.5 mi.	

$$\bar{T} = 69$$

$$HDD = 0$$

$$CDD = 4$$

$$\sum HDD = 3$$

$$\sum CDD = 4$$

$$\sum PCN_L = 0.00$$

$$T_{davis} = 63/62$$

$$T_{avr} = 63/59$$

$$T_L = 61^\circ$$

$$T_d = 60^\circ$$

$$PCN_{17} = 0.00$$

$$\sum PCN_{17} = 0.00$$

Thursday October 3, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	79 °F	Dir.	Temp	*Overnight Low 64°		
		—	70 °F			
Min.	63* °F	Vel.	Read.			
		0 m.p.h.	28.89 in.			
Set	70 °F	Char.	Corr.	0700	1300	1900
		Calm	28.77 in.			
R.H.	87 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		— mi.	29.07 in.	10/10 As	10/10 Sc	10/10 Sc
Ppn. Liq.	0.00 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		—	+1.6 mb	Fg	H2	-RA H2
Ppn. Sol.	— in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		— in.	KRV	2 mi.	6 mi.	5 mi.

$$\bar{T} = 71$$

$$HDD = 0$$

$$CDD = 6$$

$$\Sigma HDD = 3$$

$$\Sigma CDD = 10$$

$$\Sigma PCN_L = 0.00$$

$$T_{\text{Davis}} = 71/67$$

$$T_{\text{Unv}} = 68/62$$

$$T_w = 67$$

$$T_d = 66$$

$$PCN_{TB} = 0.00^*$$

$$\Sigma PCN_{TB} = 0.00^*$$

FRIDAY OCTOBER 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 78 °F	Dir. —	Temp 70 °F	-RA and RA 1930 - 1940 LT RA 2120 - 2125 LT -DE 0700 - 085		
Min. 63 °F	Vel. 0 m.p.h.	Read. 28.76 in.			
Set 66 °F	Char. CALM	Corr. 28.65 in.			
			0700	1300	1900
R.H. 97%	24 hr. Mov. — mi.	Sea L. 29.96 in.	Clds. 10/10 ST	Clds. 10/10 ST	Clds. 6/10 As
Ppn. Liq. 0.06 in.	Prev. Dir. —	3 hr. Tend. STEADY <sub>mb</sub>	Wx Fg, H <sub>2</sub> O <sub>2</sub> , DE	Wx Fg	Wx Mild
Ppn. Sol. — in.	Snow Depth — in.	Observer SPM/M	Vis. 2 mi.	Vis. 4 mi.	Vis. 10 mi.

$$\bar{F} = 71$$

$$HDD = 0$$

$$CDD = 6$$

$$\Sigma HDD = 3$$

$$\Sigma CDD = 16$$

$$\Sigma PCNL = 0.06 "$$

$$TDAVIS = 66/66$$

$$TW = 63$$

$$TUNV =$$

$$TD = 65$$

$$PCNTB = 0.00 "$$

$$\Sigma PCNTB = 0.00 "$$



Saturday October 5 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	73 °F	Dir. ↖	Temp 69 °F	-SHRA 2145 - 0100 LT		
Min.	64 °F	Vel. 0 m.p.h.	Read. 28.72 in.			
Set	64 °F	Char. Calm	Corr. 28.61 in.			
R.H.	81 %	24 hr. Mov. - mi.	Sea L. 29.90 in.	0700 Clds. 4/10 cu	1300 Clds.	1900 Clds. 1/10 cu
Ppn. Liq.	0.07 in.	Prev. Dir. -	3 hr. Tend. +1.0 mb	Wx Pleasant	Wx	Wx Cool
Ppn. Sol.	- in.	Snow Depth - in.	Observer RSM	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$$\bar{T} = 69$$

$$HDD = 0$$

$$CDD = 4$$

$$E/HDD = 3$$

$$E/CDD = 10$$

$$E/PCN_1 = 0.13''$$

$$T_{Dens} = 65/62$$

$$T_{unv} =$$

$$T_w = 63$$

$$T_o = 58$$

$$PCN_{T_D} = 0.00''$$

$$E/PCN_{T_B} = 0.00''$$

Sunday, October 6, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	68 °F	Dir. —	Temp 68 °F			
Min.	43 °F	Vel. 0 m.p.h.	Read. 29.06 in.			
Set	44 °F	Char. Calm	Corr. 28.95 in.	0700	1300	1900
R.H.	92 %	24 hr. Mov. M mi.	Sea L. 30.33 in.	Clds. Clear	Clds.	Clds. 5/10 Ac
Ppn. Liq.	0.00 in.	Prev. Dir. M	3 hr. Tend. +1 mb	Wx Valley Fog	Wx	Wx Coal
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer JEP	Vis. 20 mi.	Vis. mi.	Vis. 12 mi.

T: 56  
HDD: 9  
COD: 0  
 $\Sigma$ HDD: 12  
 $\Sigma$ CDD: 20  
 $\Sigma$ PENL: 0.13

T DAVIS: 44/43  
TUNV: 43/39

TW: 43  
T0: 42

PCNTB: 0.00  
 $\Sigma$ PCNTB: 0.00



Monday October 7, 2002  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 65 °F	Dir. WSW	Temp 68 °F	*Overnight Low 59°			
Min. 44* °F	Vel. 5 m.p.h.	Read. 28.82 in.				
Set 59 °F	Char. Gusty	Corr. 28.71 in.				
			0700	1300	1900	
R.H. 89 %	24 hr. Mov. — mi.	Sea L. 30.04 in.	Clds. As 9/10 Cc	Clds. Sc,Cu 4/10	Clds. Clear	
Ppn. Liq. — in.	Prev. Dir. —	3 hr. Tend. +10.9 mb	Wx -Hz	Wx Lt. wind	Wx Cool	
Ppn. Sol. — in.	Snow Depth — in.	Observer KRV	Vis. 15 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$T = 55$$

$$HDD = 10$$

$$CDD = 0$$

$$\Sigma HDD = 22$$

$$\Sigma CDD = 20$$

$$\Sigma PCN_L = 0.13$$

$$T_{Davis} = 60/56$$

$$T_{UNV} = 59/53$$

$$T_w = 57$$

$$T_d = 56$$

$$PCN_{TB} = 0.00$$

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

Tuesday October 8, 2002

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	63 °F	Dir.	Temp			
		—	67 °F			
Min.	39 °F	Vel.	Read.			
		0 m.p.h.	29.13 in.			
Set	39 °F	Char.	Corr.	0700	1300	1900
		Calm	29.02 in.			
R.H.	86 %	24 hr. Mov.	Sea L.	Clds.	Clds. Ci, Cu	Clds. Ci
		— mi.	30.42 in.	No Ci	4110	7110
Ppn. Liq.	— in.	Prev. Dir.	3 hr. Tend.	Wx -F	Wx Pleasant	Wx Cool
		—	+12.0 mb	in valleys		
Ppn. Sol.	— in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		— in.	KRV	20 mi.	25 mi.	20 mi.

$$\bar{T} = 51$$

$$HDD = 14$$

$$CDD = 0$$

$$\Sigma HDD = 36$$

$$\Sigma CDD = 20$$

$$\Sigma PCN_L = 0.13$$

$$T_{davis} = 41/38$$

$$T_{uv} = 39/33$$

$$T_w = 36$$

$$T_d = 35$$

$$PCN_{TB} = 0.00$$

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



Wednesday, October 9, 2002 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 57 °F	Dir. —	Temp 66 °F	*Overnight low 42°			
Min. 39* °F	Vel. 0 m.p.h.	Read. 29.08 in.				
Set 43 °F	Char. Calm	Corr. 28.97 in.	0700	1300	1900	
R.H. 86 %	24 hr. Mov. — mi.	Sea L. 30.36 in.	Clds. 9/10 As Ci	Clds. As 9/10	Clds. S 10/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +1 mb	Wx -F, Cool	Wx Hz	Wx Hz	
Ppn. Sol. 0.0 in.	Snow Depth 0.0 in.	Observer RAK	Vis. 20 mi.	Vis. 18 mi.	Vis. 15 mi.	

$$\bar{T} = 48$$

$$HDD = 17$$

$$CDD = 0$$

$$\Sigma HDD = 53$$

$$\Sigma CDD = 20$$

$$\Sigma PCN_L = 0.13$$

$$T_{Davis} = 42/39$$

$$T_{max} = 97/55$$

$$T_w = 41^\circ$$

$$T_d = 39^\circ$$

$$PCN_{T3} = 0.00$$

$$\Sigma PCN_{T3} = 0.00$$

Thursday, October 10, 2002 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 59 °F	Dir. —	Temp 68 °F	*Overnight low 52°			
Min. 43* °F	Vel. 0 m.p.h.	Read. 29.07 in.				
Set 52 °F	Char. Calm	Corr. 28.95 in.	0700	1300	1900	
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.31 in.	Clds. 10/10 St	Clds. 10/10 St	Clds. 10/10 St	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. — 0 mb	Wx Valley Fg	Wx HZ	Wx -RA	
Ppn. Sol. 0.0 in.	Snow Depth 0.0 in.	Observer PAK	Vis. 10 mi.	Vis. 5 mi.	Vis. 3 mi.	

$$\bar{T} = 51$$

$$HDD = 14$$

$$CDD = 0$$

$$\Sigma HDD = 67$$

$$\Sigma CDD = 20$$

$$\Sigma PCN_L = 0.13$$

$$T_{davis} = 92/50$$

$$T_{unv} = 48/46$$

$$T_w = 51^\circ$$

$$T_d = 50^\circ$$

$$PCN_{T3} = 0.00$$

$$\Sigma PCN_{T3} = 0.00$$

FRIDAY OCTOBER 11 2002

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.		
Max.	61 °F		Dir.	45°		Temp	68 °F		-RA 1340 LT - 0800 LT -OVRT LOW 54°		
Min.	52 °F		Vel.	11 m.p.h.		Read.	29.00 in.				
Set	55 °F		Char.	STEADY		Corr.	28.89 in.				
R.H.	89 %		24 hr. Mov.	- mi.		Sea L.	30.25 in.		0700	1300	1900
Clds.	10/10 ST		Clds.	10/10 NS		Clds.	10/10 NS				
Ppn. Liq.	0.55 in.		Prev. Dir.	-		3 hr. Tend.	STEADY mb		Wx	-Ra	
Wx	-Ra		Wx	-Ra		Wx	+Ra Fg				
Ppn. Sol.	- in.		Snow Depth	- in.		Observer	JTW		Vis.	4 mi.	
Vis.	4 mi.		Vis.	4 mi.		Vis.	1 mi.				

$$\bar{F} = 57$$

$$HDD = 8$$

$$CDD = 0$$

$$\Sigma HDD = 75$$

$$\Sigma CDD = 20$$

$$\approx PCNL = 0,68''$$

$$TDAVIS = 55/54$$

$$TW = 50$$

$$TUNV = 54/52$$

$$TD = 51$$

$$PCNTB = -$$

$$\Sigma PCNTB = -$$

Saturday, October 12, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 57 °F	Dir. —	Temp 66 °F	0800 - 1800 - RA (LT) 215			
Min. 54 °F	Vel. 0 m.p.h.	Read. 28.97 in.	1800 - 2100 RA (LT) -800			
Set 55 °F	Char. Calm	Corr. 28.86 in.	2100 - 2330 + RA (LT) -RA			
			2330 - 130 - RA (LT)			
			0700	1300	1900	
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.21 in.	Clds. 10/10 Ns	Clds.	Clds. 10/10 St	
Ppn. Liq. 1.99 in.	Prev. Dir. —	3 hr. Tend. +1.8 mb	Wx -Ra Fg	Wx	Wx Br, Fg	
Ppn. Sol. — in.	Snow Depth — in.	Observer KRV	Vis. 1.5 mi.	Vis. mi.	Vis. 2 mi.	

$\bar{T} = 56$   
HDD = 9  
CDD = 0  
 $\Sigma HDD = 84$   
 $\Sigma CDD = 20$   
 $\Sigma PCN_h = 2.67$

$T_{davis} = 55/55$        $T_w = 54$   
 $T_{unv} = 55/53$        $T_d = 53$

$PCN_{TB} = 0.77$   
 $\Sigma PCN_{TB} = 0.77$



Sunday October 13, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 60 °F	Dir. —	Temp 66 °F	*overnight low of 57° -SHRA 0945 - 1015 LT -DZ, OCC L			
Min. 55* °F	Vel. 0 m.p.h.	Read. 28.99 in.				
Set 57 °F	Char. Calm	Corr. 28.89 in.				
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.24 in.	Clds. 10/10 ST	Clds.	Clds. C 10/10 CU	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. STEADY mb	Wx Fog	Wx	Wx crisp	
Ppn. Sol. — in.	Snow Depth — in.	Observer RJM	Vis. 3 mi.	Vis. mi.	Vis. 8 mi.	

$$\bar{T} = 58$$

$$HDD = 7$$

$$CDD = 0$$

$$EHDD = 91$$

$$ECDD = 20$$

$$EPCN_1 = 2.68$$

$$T_{Dobs} = 57/57$$

$$T_{unv} = 57/53$$

$$T_w = 57$$

$$T_D = 57$$

$$PCN_{T8} = 0.02$$

$$EPCN_{T8} = 0.79$$

Monday October 14 2002

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 61 °F	Dir. -	Temp 64 °F	←SHRA 1400-1430 LT			
Min. 38 °F	Vel. 0 m.p.h.	Read. 29.14 in.				
Set 38 °F	Char. Calm	Corr. 29.04 in.	0700	1300	1900	
R.H. 100 %	24 hr. Mov. - mi.	Sea L. 30.46 in.	Clds. $\frac{0}{10}$ clear	Clds. $\frac{1}{10}$ CU	Clds. $\frac{2}{10}$ Ci	
Ppn. Liq. 0.02 in.	Prev. Dir. -	3 hr. Tend. +1.5 mb	Wx crisp	Wx clear	Wx clear	
Ppn. Sol. - in.	Snow Depth - in.	Observer RJM	Vis. 25 mi.	Vis. 25 mi.	Vis. 8 mi.	

$$\bar{T} = 50$$

$$HDD = 15$$

$$CDD = 0$$

$$\Sigma HDD = 106$$

$$\Sigma CDD = 20$$

$$\Sigma PCN_i = 2.70'$$

$$T_{DAYS} = 38/35$$

$$T_{UNV} = 35/30$$

$$T_w = 38$$

$$T_D = 38$$

$$PCN_{TB} = 0.05$$

$$\Sigma PCN_{TB} = 0.84$$

Tuesday October 15 2002 0700 EST

Temp.			Wind	Barom.	General Obs.			
Max.	Dir.	Temp	WIDESPREAD FROST					
52 °F	—	64 °F						
Min.	Vel.	Read.						
35 °F	0 m.p.h.	28.76 in.	Set	Char.	Corr.	0700	1300	1900
36 °F	Calm	28.80 in.	R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
100 %	— mi.	30.27 in.	3/10	—	30.27 in.	ac		10 NS
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	Wx	Wx	Wx
0.00 in.	—	-21.0 mb	-Fg				-R, Fg	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	Vis.	Vis.	Vis.
— in.	— in.	RSM	25 mi.				mi.	4 mi.

$$\bar{T} = 44$$

$$HDD = 21$$

$$CDD = 0$$

$$EHDD = 107$$

$$ECDD = 20$$

$$\Sigma PCN_1 = 2.70'$$

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

$$T_{univ} = 32/28.4$$

$$T_w = 36$$

$$T_D = 36$$

$$PCN_{T_D} = 0.00$$

$$\Sigma PCN_{T_D} = 0.84$$

Wednesday, October 16, 2002 0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	53 °F	Dir.	NNE	Temp	* Overnight low 47° -RA 18:30 - 8:00		
Min.	36 °F	Vel.	1 m.p.h.	Read.	28.58 in.		
Set	48 °F	Char.	STEADY	Corr.	0700	1300	1900
R.H.	86 %	24 hr. Mov.	— mi.	Sea L.	Clds.	10/10	NS 8 10/10
Ppn. Liq.	0.41 in.	Prev. Dir.	—	3 hr. Tend.	Wx	-RA, Fg	Wx HZ
Ppn. Sol.	0-0 in.	Snow Depth	0-0 in.	Observer	Vis.	2 mi.	Vis. 3 mi. 10 mi.

$T = 45$   
 $HDD = 20$   
 $CDD = 0$   
 $\Sigma HDD = 147$   
 $\Sigma CDD = 20$   
 $\Sigma PCN_L = 3.11$

$T_{davis} = 48/48$   
 $T_{wv} = 46/46$   
 $T_w = 46$   
 $T_D = 44$

$PCN_{TB} = 0.00$   
 $SRN_{TB} = 0.84$



Thursday, October 17, 2002 0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	52 °F	Dir.	WSW	Temp	RA 8:00 - 16:30		
				72 °F			
Min.	43 °F	Vel.	3 m.p.h.	Read.			
				28.75 in.			
Set	43 °F	Char.	STEADY	Corr.	0700	1300	1900
				28.62 in.	Clds.	Clds.	Clds. 5+
R.H.	83 %	24 hr. Mov.	— mi.	Sea L.	3/10 cu		10/10
				29.99 in.	Wx	Wx	Wx
Ppn. Liq.	0.98 in.	Prev. Dir.	—	3 hr. Tend.	HZ		-RA
				7+2 mb	Vis.	Vis.	Vis.
Ppn. Sol.	0.0 in.	Snow Depth	0.0 in.	Observer	15 mi.	mi.	4 mi.
				PALC			

$$T = 48$$

$$HOD = 17$$

$$COD = 0$$

$$\Sigma HOD = 164$$

$$\Sigma COD = 20$$

$$\Sigma PCN_L = 3.69''$$

$$T_{davis} = 43/40$$

$$T_w = 40^\circ$$

$$T_{uvr} = 43/37$$

$$T_o = 38^\circ$$

$$PCN_{FB} = 0.91''$$

$$\Sigma PCN_{FB} = 1.35''$$

FRIDAY OCT 18 2007

0700 EST

Meteorological Observatory  
Univeristy Park, PA

General Obs.

Temp.		Wind	Barom.	-RA 1800 - 2135 LT		
Max.	Dir.	Temp				
49 °F	—	72 °F				
Min.	Vel.	Read.				
34 °F	0 m.p.h.	28.91 in.				
Set	Char.	Corr.	0700	1300	1900	
34 °F	CALM	28.79 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
89 %	— mi.	30.20 in.	1/10 St		5/10 Ci	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.07 in.	—	7+1 mb	Valley Fg.		-H2	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
— in.	— in.	BSYMM	9 mi.		10 mi.	

TF = 42

HDD = 23

CDD = 0

SHDD = 187

ΣCDD = 20

ΣPCNL = 3.76 "

TDNIS = 35/34

TDNV = 34/30

TW = 32

TD = 31

PCNTB = 0.00 "

ΣPCNTB = 1.35 "

Saturday October 19 2002

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 53 °F		Dir. -	Temp 73 °F	* overnight low 46 - Ra 0700 - obs		
Min. 34* °F		Vel. 0 m.p.h.	Read. 28.71 in.			
Set 46 °F		Char. Calm	Corr. 28.57 in.			
R.H. 100 %		24 hr. Mov. - mi.	Sea L. 29.95 in.	Clds. $\frac{10}{10}$ 15	Clds.	Clds. 10/10 St
Ppn. Liq. 0.01 in.		Prev. Dir. -	3 hr. Tend. -1.5 mb	Wx -Ra	Wx	Wx H3
Ppn. Sol. 0.0 in.		Snow Depth - in.	Observer RSM	Vis. 15 mi.	Vis. mi.	Vis. 15 mi.

$\bar{T} = 44$   
HDD = 21  
CDD = 0  
 $\Sigma \text{HDD} = 208$   
 $\Sigma \text{CDD} = 20$   
 $\Sigma \text{PCN}_q = 3.77''$

$T_{\text{Days}} = 46/43$   
 $T_{\text{Inv}} = 44/39$

$T_w = 46$   
 $T_o = 46$

$\text{PCN}_{\text{TB}} = 0.00''$   
 $\Sigma \text{PCN}_{\text{TB}} = 1.35''$

Sunday, October 20, 2002

0700 EST  
 Meteorological Observatory  
 University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.		Temp	-RA 0800LT - 1210LT		
56 °F	-		72 °F			
Min.	Vel.		Read.			
36 °F	0 m.p.h.		28.85 in.			
Set	Char.	Corr.		0700	1300	1900
37 °F	Calm	28.73 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	4110	Clds.	Clds.
92 %	M mi.	30.11 in.	As, Ci			4/10 Cs
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx		Wx	Wx
0.03 in.	M	+1 mb	HE Valley Fg			Cool
Ppn. Sol.	Snow Depth	Observer	Vis.		Vis.	Vis.
0.0 in.	0 in.	JEP	20 mi.		mi.	20 mi.

T: 46  
HDD: 19  
CDD: 0  
 $\Sigma$  HDD: 227  
 $\Sigma$  CDD: 20  
 $\Sigma$  PCN<sub>L</sub>: 3.80

T<sub>DAVIS</sub>: 37/35  
T<sub>UNV</sub>: 36/33

T<sub>w</sub>: 36  
T<sub>D</sub>: 35

PCN<sub>TB</sub>: 0.00  
 $\Sigma$  PCN<sub>TB</sub>: 1.35



Monday October 21, 2002

0700 EST  
 Meteorological Observatory  
 University Park, PA

Temp.			Wind		Barom.	General Obs.			
Max.		Dir.	Temp	*Overnight Low 39°					
53	°F	—	72						°F
Min.		Vel.	Read.						
37*	°F	0	m.p.h.	28.98	in.				
Set		Char.	Corr.						
40	°F	Calm	28.86	in.					
R.H.		24 hr. Mov.	Sea L.	0700		1300		1900	
67	%	—	mi.	30.25	Clds.		Clds.		Clds.
				in.	8/10 Ce		2/10 cu		0/10 clear
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx		Wx		Wx	
0.00	in.	—	+1.2	-Fg valleys		Nice		cool	
Ppn.	Sol.	Snow Depth	Observer	Vis.		Vis.		Vis.	
—	in.	—	KRV	15		25		15	
				mi.		mi.		mi.	

$T = 45$   
 $HDD = 20$   
 $ODD = 0$   
 $\Sigma HDD = 247$   
 $\Sigma ODD = 20$   
 $\Sigma PUN_L = 3.80$

$T_{Davis} = 41/38$   
 $T_{unv} = 37/33$

$T_w = 35^\circ$   
 $T_d = 30^\circ$

$PUN_{10} = 0.00$   
 $\Sigma PUN_{10} = 1.35$

Tuesday October 22, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	52 °F	Dir. —	Temp 72 °F			
Min.	39 °F	Vel. 0 m.p.h.	Read. 29.04 in.			
Set	39 °F	Char. Calm	Corr. 28.92 in.	0700	1300	1900
R.H.	67 %	24 hr. Mov. — mi.	Sea L. 30.32 in.	Clds. 3/10 Cc	Clds. Ac, Ci 2/10	Clds. 6/10 al
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. +10.9 mb	Wx Fg valleys	Wx	Wx nee
Ppn. Sol.	0.04 in.	Snow Depth — in.	Observer KRV	Vis. 8 mi.	Vis. 25 mi.	Vis. 8 mi.

$I = 46$   
 $HDD = 19$   
 $CDD = 0$   
 $\Sigma HDD = 266$   
 $\Sigma CDD = 20$   
 $\Sigma PENL = 3.80$

$T_{davis} = 34/31$   
 $T_{unv} = 30/26$

$T_w = 35^\circ$   
 $T_d = 29^\circ$

$PEN_{TB} = 0.00''$   
 $\Sigma PEN_{TB} = 1.35''$

Wednesday, October 23, 2002 0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	57 °F	Dir.	—	Temp	72 °F		
Min.	39 °F	Vel.	0 m.p.h.	Read.	29.09 in.		
Set	44 °F	Char.	calm	Corr.	0700	1300	1900
R.H.	80 %	24 hr. Mov.	— mi.	Sea L.	Clds.	Clds.	Clds.
Ppn.	0.00 in.	Prev. Dir.	—	3 hr. Tend.	7/10 Sc	9/10 Sc	Sc 9/10
Ppn.	0.0 in.	Snow Depth	0.0 in.	Observer	Wx	Wx	Wx
				RAK	Valley Fg	Cool	HZ
					Vis.	Vis.	Vis.
					4 mi.	20 mi.	20 mi.

$$\bar{T} = 46$$

$$HOD = 19$$

$$COD = 0$$

$$\Sigma AOD = 285$$

$$\Sigma LOD = 20$$

$$\Sigma RN_L = 3.80$$

$$T_{davis} = 44/41$$

$$T_{uv} = 45/39$$

$$T_w = 41^\circ$$

$$T_d = 39^\circ$$

$$PCN_{13} = 0.00''$$

$$\Sigma RN_{13} = 1.35''$$

Thursday, October 24, 2002 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.		Dir.		Temp			
50	°F	—		72	°F		
Min.		Vel.		Read.			
33	°F	0 m.p.h.		29.23	in.		
Set		Char.		Corr.	0700	1300	1900
33	°F	calm		29.10	in.		
R.H.		24 hr. Mov.		Sea L.	Clds.	Clds.	Clds.
82	%	— mi.		30.53	9/10 st ci	10/10 st	10/10 st
Ppn.	Liq.	Prev. Dir.		3 hr. Tend.	Wx	Wx -Hz	Wx
0.00	in.	—		0 mb	cold	chilly	dr
Ppn.	Sol.	Snow Depth		Observer	Vis.	Vis.	Vis.
0.0	in.	0.0 in.		PAK	20 mi.	15 mi.	12 mi.

$$\bar{T} = 42$$

$$HDD = 23$$

$$CDD = 0$$

$$\Sigma HDD = 308$$

$$\Sigma CDD = 20$$

$$\Sigma PCN_L = 3.80''$$

$$T_{davis} = 35/31$$

$$T_{unv} = 32/30$$

$$T_w = 31^\circ$$

$$T_d = 28^\circ$$

$$PCN_{10} = 0.00'$$

$$\Sigma PCN_{10} = 1.35''$$



Friday October 25 2002  
0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 41 °F	Dir. -	Temp 73 °F		0VNT LOW 57° -SN 910-945 LT		
Min. 33 °F	Vel. 0 m.p.h.	Read. 28.09 in.		-SN/M/RA 1415-1610 -RA/02 1830-2015		
Set 38 °F	Char. CALM	Corr. 28.97 in.		TIE SNOWIEST 10/25		
R.H. 82 %	24 hr. Mov. - mi.	Sea L. 30.37 in.	Clds. 10/10 st	Clds. 10/10 st	Clds. 10/10 Ns	1900
Ppn. Liq. 0.01 in.	Prev. Dir. -	3 hr. Tend. STEADY mb	Wx -03/B/PC	Wx Fg	Wx Ra	
Ppn. Sol. 7 in.	Snow Depth 0.0 in.	Observer JSM/K	Vis. 5 mi.	Vis. 4 mi.	Vis. 2 mi.	

$\bar{T} = 37$

HDD = 28

CDD = 0

$\Sigma HDD = 336$

$\Sigma CDD = 20$

$\Sigma PCNL = 3.81''$

TDAVIS = 38/36

TW = 36°

TUNV = 30/34

TD = 33°

PCNTB = 0.00''

SPCNTB = 1.35''

Saturday October 26, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 46 °F	Dir. -	Temp 73 °F	28.72 in.	RA 1700 - 430 LT -RA 1030 - -RA 500 - 600 LT 1600 LT -RA 730 - Obs		
Min. 38 °F	Vel. 0 m.p.h.	Read.				
Set 46 °F	Char. calm	Corr. 28.60 in.		0700	1300	1900
R.H. 100 %	24 hr. Mov. - mi.	Sea L. 29.97 in.	Clds. $\frac{10}{10}$ NS	Clds.	Clds. 10/10 Sc	
Ppn. Liq. 0.72 in.	Prev. Dir. -	3 hr. Tend. STEADY mb	Wx -SHRA	Wx	Wx HZ	
Ppn. Sol. 0.0 in.	Snow Depth 0.0 in.	Observer RSM	Vis. 2 mi.	Vis. mi.	Vis. 15 mi.	

$$\bar{T} = 42$$

$$HDD = 23$$

$$CDD = 0$$

$$E HDD = 359$$

$$E CDD = 20$$

$$E PCN_R = 4.53'$$

$$T_{Dams} = 45/45$$

$$T_{unv} = 44/42$$

$$T_w = 46$$

$$T_D = 46$$

$$PCN_{T8} = 0.00$$

$$E PCN_{T8} = 1.35$$

Sunday, October 27, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	-RA 0800-0830 LT			
54 °F	-	66 °F				
Min.	Vel.	Read.				
45 °F	0 m.p.h.	28.93 in.				
Set	Char.	Corr.	0700	1300	1900	
48 °F	Calm	28.82 in.				
R.H.	24 hr. Mov.	Sea L.	Clds. 10/10	Clds.	Clds.	
74 %	m mi.	30.18 in.	Sc	HA	4/10 Ci	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
T in.	m	1.1 mb	H2			
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	0 in.	JEP	20 mi.	mi.	15 mi.	

$\bar{T}$ : 50  
HDD: 15  
CDD: 6  
 $\Sigma$ HDD: 374  
 $\Sigma$ CDD: 20  
 $\Sigma$ PCNL: 4.53

TDAVIS:  
TUNV: 48/41

$T_w$ : 44  
 $T_o$ : 40

PCNTB: 0.00  
 $\Sigma$ PCNTB: 1.35



*Monday October 28, 2002*

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	51 °F	Dir. —	Temp 73 °F			
Min.	40 °F	Vel. 0 m.p.h.	Read. 29.00 in.			
Set	40 °F	Char. calm	Corr. 28.87 in.	0700	1300	1900
R.H.	67 %	24 hr. Mov. — mi.	Sea L. 30.26 in.	Clds. 10/10 AC	Clds. AC 10/10 SE	Clds. 3/10 ac
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. +1.3 mb	Wx -H2	Wx COOL	Wx Chilly
Ppn. Sol.	0.00 in.	Snow Depth 0.00 in.	Observer KRV	Vis. 8 mi.	Vis. 20 mi.	Vis. 8 mi.

T: 46  
HDD: 19  
CDD: 0  
 $\Sigma$ HDD: 393  
 $\Sigma$ CDD: 20  
 $\Sigma$ PWD: 4.53

$T_{davis}$ : 41/36       $T_w = 36^\circ$   
 $T_{uv}$ : 39/35       $T_d = 30^\circ$

PWD: 0.00  
 $\Sigma$ PWD: 1.35



Tuesday October 29, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 48 °F		Dir. NNE	Temp 74 °F	-SHRA 0900 - 0910 LT		
Min. 32 °F		Vel. 2 m.p.h.	Read. 29.01 in.			
Set 32 °F		Char. Breezy	Corr. 28.88 in.			
				0700	1300	1900
R.H. 90 %		24 hr. Mov. — mi.	Sea L. 30.29 in.	Clds. 3/10 Ci	Clds. 10/10 Sc	Clds. NS 10/10
Ppn. Liq. T in.		Prev. Dir. —	3 hr. Tend. Steady mb	Wx Fg valleys	Wx Cool <del>SN</del>	Wx -SN
Ppn. Sol. 0.00 in.		Snow Depth 0.00 in.	Observer KRV	Vis. 6 v 10 mi.	Vis. 20 mi.	Vis. 2 mi.

$T = 40$   
 $HDD = 25$   
 $CDD = 0$   
 $\Sigma HDD = 418$   
 $\Sigma CDD = 20$   
 $\Sigma PCNL = 4.53$

$T_{davis} = 33/30$   
 $T_{unv} = 30/28$

$T_w = -$   
 $T_d = 30$

$PCN_{TB} = 0.00$   
 $\Sigma PCN_{rB} = 1.35$

Wednesday, October 30, 2002

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 40 °F	Dir. —	Temp 74 °F		-RA PL 1310 - 1340 -PL SN 1340 - 1430 -SN, OCC -PL, -RA, -DZ 1430 - 2000 -DZ, OCC -PL -SN, -FZ DZ 2000 - OBS		
Min. 32 °F	Vel. 0 m.p.h.	Read. 28.80 in.				
Set 32 °F	Char. Calm	Corr. 28.67 in.		0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.09 in.	Clds. 10/10 ST	Clds. 10/10 NS	Clds. 10/10 NS	
Ppn. Liq. 0.69 in.	Prev. Dir. —	3 hr. Tend. - 0 mb	Wx -FZ DZ, Fy	Wx -SN	Wx -SN	
Ppn. Sol. 1.8 in.	Snow Depth 1 in.	Observer PAK	Vis. 2 mi.	Vis. 1 mi.	Vis. 2 mi.	

$$\bar{T} = 36$$

$$HDD = 29$$

$$CDD = 0$$

$$\Sigma HDD = 447$$

$$\Sigma CDD = 20$$

$$\Sigma PCN_L = 5.22''$$

$$\Sigma PCN_S = 1.8''$$

$$T_{trans} = 33/32$$

$$T_{inv} = 32/30$$

$$T_w = -$$

$$T_d = 32$$

$$PCN_{FB} = 0.00''$$

$$\Sigma PCN_{FB} =$$

Thursday, October 31, 2002 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 34* °F	Dir. —	Temp 74 °F		-F202 OBS-925 -SN02, OCC PL 0925-1445		
Min. 30 °F	Vel. 0 m.p.h.	Read. 28.88 in.		-SN, OCC -PL, -F202 1445- *Tied record for MIN Max (1917) 2300 + Record <del>for</del> (T -1968) (over →)		
Set 30 °F	Char. Calm	Corr. 28.75 in.		0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.16 in.	Clds. 1/10 St	Clds. 6 cu	Clds. 5/10 AC AS	
Ppn. Liq. 0.33 in.	Prev. Dir. —	3 hr. Tend. 7 + 2 mb	Wx Valley Fg	Wx cool	Wx	
Ppn. Sol. 1.3 <sup>+</sup> in.	Snow Depth 1 in.	Observer RAK	Vis. 15 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\bar{T} = 32$$

$$HDD = 33$$

$$CDD = 0$$

$$\Sigma HDD = 480$$

$$\Sigma CDD = 20$$

$$\Sigma PCN_2 = 5.55''$$

$$\Sigma PCN_5 = 3.1''$$

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

$$T_{unv} = 30/26$$

$$T_w = -$$

$$T_d = 30$$

OCT. TEMPS.

$$\bar{T}_{max} = 57.2$$

$$\bar{T}_{min} = 42.5$$

$$\bar{T}_{oct} = 49.9$$

$\phi$  - Record snowfall for October (2.5" - 1925)

$$PCN_{17} = 0.00''$$

$$\Sigma PCN_{17} =$$