

Sunday December 1, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	-SHSN 1730-1815 LT -SHSN 1930-2045 LT -SHSN 2230-2300 LT			
45 °F	WNW	72 °F				
Min.	Vel.	Read.				
22 °F	8 m.p.h.	28.64 in.				
Set	Char.	Corr.				
22 °F	G 10	28.52 in.	0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
74 %	M mi.	29.95 in.	Sc 3/10		clear	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.01 in.	M	1+3 mb	cool		cold	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
T in.	T in.	JEP	25 mi.	mi.	20 mi.	

F: 34

HDD: 31

CDD: 0

Σ HDD: 31

Σ CDD: 0

Σ PIN_L: 0.01

Σ PIN_S: T

T_{DAVIS}: 23/12

T_{UNIV}: 21/10

T_N: 20

T_D: 15

PIN_B: 0.00
 Σ PIN_B: 0.00

Monday December 2, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	29 °F	Dir. SW	Temp 72 °F			
Min.	22 °F	Vel. 5 m.p.h.	Read. 28.72 in.			
Set	28 °F	Char. Gusty	Corr. 28.60 in.			
R.H.	53 %	24 hr. Mov. — mi.	Sea L. 30.01 in.	0700 Clds. 2/10 Ce	1300 Clds. Sc. 10/10	1900 Clds. 10/10 st
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. +10.4 mb	Wx -Hz	Wx Cooi	Wx cold
Ppn. Sol.	0.00 in.	Snow Depth 0 in.	Observer KRV	Vis. 20 mi.	Vis. 20 mi.	Vis. 8 mi.

F: 26

HDD: 39

CDD: 0

Σ HDD: 70

Σ CDD: 0

Σ PCN_L: 0.01

Σ PCN_S: T

T_{davis}: 28/13

T_{onv}: 27/10

T_w: —

T_z = 13

PCN_{TB}: 0.00"

Σ PCN_{TB}: 0.00"

Tuesday December 3, 2002
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	Dir.	Temp	-5N 20:35 - 23:59 LT					
37 °F	—	72 °F						
Min.	Vel.	Read.						
11 °F	0 m.p.h.	29.11 in.						
Set	Char.	Corr.						
11 °F	Calm	28.99 in.				0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.			
54 %	— mi.	30.47 in.	Clear	Clear	Clear			
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx			
0.02 in.	—	+14.0 mb	Cold	Cold	Cold			
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.			
0.3 in.	T in.	KRV	25 mi.	25 mi.	25 mi.			

T: 24

HDD: 41

CDD: 0

Σ HDD: 111

Σ CDD: 0

Σ PEN_L: 0.03

Σ PEN_S: 0.3

T_{davis}: 12/-2

T_{onv}: 10/0

T_w: —

T_d: -2

PEN_{TB}: 0.00"
 Σ PEN_{TB}: 0.00"

Wednesday, December 4, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 23 °F	Dir. —	Temp 74 °F				
Min. 10 °F	Vel. 0 m.p.h.	Read. 29.30 in.				
Set 13 °F	Char. Calm	Corr. 29.17 in.				
R.H. 80 %	24 hr. Mov. — mi.	Sea L. 30.59 in.	0700	1300	1900	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 0 mb	Clds. 2/10 Ci	Clds. 8/10 Ci, Ac	Clds. 10/10 Ac	
Ppn. Sol. 0.0 in.	Snow Depth 7 in.	Observer PAK	Wx Cold	Wx Cool	Wx Cool	
			Vis. 25 mi.	Vis. 20 mi.	Vis. 20 mi.	

$\bar{T} = 17$
 $HOD = 48$
 $COD = 0$
 $\Sigma HOD = 159$
 $\Sigma COD = 0$
 $\Sigma PCN_L = 0.03''$
 $\Sigma PCN_S = 0.3''$

$T_{davis} = 12/8$
 $T_{unv} = 10/6$

$T_w = -$
 $T_d = 8^\circ$

$PCN_{TD} = 0.00''$
 $\Sigma PCN_{TD} = 0.00''$

Thursday, December 5, 2002 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 25 °F	Dir. —	Temp 72 °F	Read. 28.96 in.	* Overnight low 20° SN 330 - observation time OCCASIONAL + SN		
Min. 13 °F	Vel. 0 m.p.h.	Corr.				
Set 22 °F	Char. Calm	28.83 in.				
R.H. 91 %	24 hr. Mov. — mi.	Sea L. 20.28 in.	0700	1300	1900	
Clds. 10/10 NS	Clds. 10 10 NS	Clds. 10 10 Sc				
Ppn. Liq. 0.15 in.	Prev. Dir. —	3 hr. Tend. -2 mb	Wx +SN	Wx +SN	Wx	
Ppn. Sol. 1.9 in.	Snow Depth 2 in.	Observer RAK	Vis. 0.25 mi.	Vis. 0.25 mi.	Vis. 15 mi.	

$$\bar{T} = 19$$

$$HOD = 46$$

$$COD = 0$$

$$\Sigma HOD = 205$$

$$\Sigma COD = 0$$

$$\Sigma PCN_L = 0.18''$$

$$\Sigma PCN_S = 2.2''$$

$$T_{davis} = 22/20$$

$$T_{unv} = 21/17$$

$$T_w = -$$

$$T_d = 20$$

$$PCN_{TB} = 0.00''$$

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

FRIDAY DECEMBER 6 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	27 °F	Dir. NW	Temp 74 °F	+SN / SN/S OBS - 1530 LT -SN 2145 - 2230 LT		
Min.	21 °F	Vel. 5 m.p.h.	Read. 28.78 in.			
Set	23 °F	Char. STEADY	Corr. 28.66 in.	0700	1300	1900
R.H.	77 %	24 hr. Mov. — mi.	Sea L. 30.10 in.	Clds. 5/10 sc	Clds.	Clds. 3/10 ci
Ppn. Liq.	.38 in.	Prev. Dir. —	3 hr. Tend. + .5 mb	Wx	Wx	Wx cold
Ppn. Sol.	5.7 in.	Snow Depth 7.0 in.	Observer JRM	Vis. 18 mi.	Vis. mi.	Vis. 20 mi.

$$\bar{T} = 24$$

$$HDD = 41$$

$$CDD = 0$$

$$\Sigma HDD = 246$$

$$\Sigma CDD = 0$$

$$\Sigma PCNL = 0.56''$$

$$\Sigma PCNS = 7.9''$$

$$T_{DAVIS} = 24/16$$

$$T_{UNV} = 23/14$$

$$TW = -$$

$$TD = 16$$

$$PCNTB = 0.00''$$

$$\Sigma PCNTB = 0.00''$$

Saturday December 7, 2002 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	30 °F	Dir.	Temp			
		-	72 °F			
Min.	16 °F	Vel.	Read.			
		0 m.p.h.	28.97 in.			
Set	16 °F	Char.	Corr.	0700	1300	1900
		Calm	2886 in.			
R.H.	80 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		- mi.	30.31 in.	$\frac{3}{10}$ ci		Clear
Ppn. Liq.	0.00 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		-	STEADY mb			Cool
Ppn. Sol.	0.0 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		6 in.	RJM	20 mi.	mi.	25 mi.

$$\bar{T} = 23$$

$$HDD = 42$$

$$CDD = 0$$

$$\Sigma HDD = 288$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_1 = 0.56''$$

$$\Sigma PCN_5 = 7.9''$$

$$T_{Davis} = 16/11$$

$$T_{unv} = 14/12$$

$$T_w = -$$

$$T_D = 11$$

$$PCN_{TR} = 0.00''$$

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

Sunday, December 8, 2002

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	*CVNT LOW 33			
39 °F	—	72 °F				
Min. ★	Vel.	Read.				
16 °F	0 m.p.h.	28.90 in.				
Set	Char.	Corr.	0700	1300	1900	
35 °F	Calm	28.78 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
93 %	M mi.	30.18 in.	10/10 Sc		2/10 Ci	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.00 in.	M	Steady mb	HZ		cool	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.0 in.	4 in.	JEP	5 mi.	mi.	15 mi.	

T: 28

HDD: 47

CDD: 0

Σ HDD: 825

Σ CDD: 0

Σ PNI: 0.56

Σ PNS: 7.9

T_{DAVIS}: 35/31

T_{UNV}: 34/28

T_W: 34

T_D: 3.3

PNTB: 0.00

Σ PNTB: 0.00

Monday December 9, 2002

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	-SN 16:50 - 17:20 LT -SN 20:30 - 20:45 LT			
37 °F	—	72 °F				
Min.	Vel.	Read.	0700			
10 °F	0 m.p.h.	29.34 in.				
Set	Char.	Corr.	1300	1900		
10 °F	calm	29.22 in.	Clds.	Clds.	Clds.	
R.H.	24 hr. Mov.	Sea L.	Clear	4/10 Ci	1/10 Ci	
75 %	— mi.	30.73 in.	Wx	Wx	Wx	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	cold!	cool	cold	
0.01 in.	—	+1.2 mb	Vis.	Vis.	Vis.	
Ppn. Sol.	Snow Depth	Observer	20 mi.	25 mi.	8 mi.	
0.1 in.	2 in.	KRV				

F: 24

ADD: 41

CDD: 0

Σ HDD: 366

Σ CDD: 0

Σ PCNL: 0.57

Σ PCW_s: 8.0

T_{Davis}: 11/4

T_{UNU}: 10/0

T_w: -

T_D: 4

PCN_{TB}: 0.00*

Σ PCN_{TB}: 0.00*

Tuesday December 13, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	27 °F	Dir. —	Temp 72 °F	*Overnight + low 12°		
Min.	9* °F	Vel. 0 m.p.h.	Read. 29.12 in.			
Set	12 °F	Char. Calm	Corr. 29.00 in.			
R.H.	91 %	24 hr. Mov. — mi.	Sea L. 30.48 in.	0700 Clds. SE 9/10 AC	1300 Clds. 8/10 Ci, AC	1900 Clds. Clear
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. +10.3 mb	Wx - Fg valleys	Wx Cool	Wx -Hz
Ppn. Sol.	0.00 in.	Snow Depth 2 in.	Observer KRV	Vis. 8 mi.	Vis. 25 mi.	Vis. 8 mi.

$\bar{T}: 18$

HDD: 47

CDD: 0

$\Sigma HDD: 413$

$\Sigma CDD: 0$

$\Sigma PCN_L: 0.57$

$\Sigma PCN_S: 8.0$

$T_{Davis}: 17/19$

$T_{unv}: 12/12$

$T_w: -$

$T_D: 10$

$PCN_{TB}: 0.00''$

$\Sigma PCN_{TB}: 0.00''$

Wednesday, December 11, 2002
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind			Barom.			General Obs.		
Max.	35 °F		Dir.	-		Temp	73 °F		* Overnight low 18°		
Min.	12* °F		Vel.	0 m.p.h.		Read.	28.95 in.				
Set	24 °F		Char.	Calm		Corr.	28.82 in.				
R.H.	75 %		24 hr. Mov.	- mi.		Sea L.	30.26 in.		0700	1300	1900
Ppn.	Liq.	0.00 in.	Prev. Dir.	-		3 hr. Tend.	- 2 mb		Clds.	Clds.	Clds.
Ppn.	Sol.	0.0 in.	Snow Depth	2 in.		Observer	PAK		9/10 St	10/10 NS	10/10 NS
									Wx	Wx	Wx
									10/10	-F2RA	-F2RA
									Vis.	Vis.	Vis.
									20 mi.	3 mi.	2 mi.

$$\bar{T} = 24$$

$$HDD = 41$$

$$CDD = 0$$

$$EADD = 454$$

$$ECD = 0$$

$$EPCN_L = 0.57''$$

$$EPCN_S = 8.0''$$

$$T_{davis} = 25/17$$

$$T_{uv} = 21/82$$

$$T_w = -$$

$$T_d = 17^\circ$$

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

$$EPCN_{13} = 0.00''$$

Thursday, December 12, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	35 °F	Dir.	Temp	* Overnight low 32° - FZRA, OCCASIONAL FZRA, PL 900 - 1900 - SN 2000 - 2100		
			74 °F			
Min.	24* °F	Vel.	Read.			
		0 m.p.h.	28.88 in.			
Set	34 °F	Char.	Corr.	0700	1300	1900
		Calm	28.75 in.			
R.H.	96 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		- mi.	30.16 in.	10/10 st	10/10 st	10/10 st
Ppn. Liq.	0.80 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		-	+2 mb	Fg	Fg	Fg
Ppn. Sol.	0.3 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		1 in.	PAK	4 mi.	5 mi.	5 mi.

$\bar{T} = 30$
 $HOD = 35$
 $COO = 0$
 $E_{HOD} = 489$
 $E_{COO} = 0$
 $\Sigma PCN_L = 1.37''$
 $\Sigma PCN_S = 8.3''$

$T_{davis} = 34/33$
 $T_{unv} = 34/32$

$T_w = -$
 $T_d = 33^\circ$

$PCN_B =$
 $\Sigma PCN_B =$

FRIDAY DEC 13 2002

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	37 °F	Dir. —	Temp 74 °F			
Min.	33 °F	Vel. • m.p.h.	Read. 28.86 in.			
Set	34 °F	Char. c 42M	Corr. 28.74 in.	0700	1300	1900
R.H.	100 %	24 hr. Mov. — mi.	Sea L. 30.15 in.	Clds. 10/10 ST	Clds. 10/10 ST	Clds. 10/10 ST
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. STEADY mb	Wx .	Wx + Fg	Wx -SN, 1P
Ppn. Sol.	0.0 in.	Snow Depth 1 in.	Observer J.M.M.	Vis. 5 mi.	Vis. 1.5 mi.	Vis. 2 mi.

$$\bar{T} = 35$$

$$HDD = 30$$

$$CDD = 0$$

$$\sum HDD = 519$$

$$\sum CDD = 0$$

$$\sum PCNL = 1.37''$$

$$\sum PCNS = 0.3''$$

$$TDAVIS = 34/34$$

$$TUNV = 24/30$$

$$T_w = -$$

$$T_d = 34$$

$$PCNTB = -$$

$$\sum PCNTB = -$$

Saturday December 14 2002 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 36 °F	Dir. —	Temp 74 °F		-Rn 1455 - 1640 LT -SN 1640 - 1900 LT		
Min. 33 °F	Vel. 0 m.p.h.	Read. 28.15 in.		-RA/FZRA 1900 - 2000 LT -RA/IZ 2105 - 0110 LT IP/RA 0200 - 400 LT -RA 400 - 0510 LT		
Set 35 °F	Char. Calm	Corr. 28.02 in.		0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.39 in.	Clds. 10/10 St	Clds.	Clds. 10/10 St	
Ppn. Liq. 0.62 in.	Prev. Dir. —	3 hr. Tend. -1.0mb	Wx +Fg. D2	Wx	Wx -DZ	
Ppn. Sol. 1.5 in.	Snow Depth 1 in.	Observer RSM	Vis. 0.5 mi.	Vis. mi.	Vis. 8 mi.	

$$\bar{T} = 35$$

$$HDD = 30$$

$$CDD = 0$$

$$EHDD = 549$$

$$ECDD = 0$$

$$EPCN_1 = 1.97''$$

$$EPCN_5 = 9.8''$$

$$T_{\text{Davis}} = 35/34$$

$$T_{\text{unv}} = 36/33$$

$$T_w = -$$

$$T_0 = 35$$

$$PCN_{TB} = -$$

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

Sunday, December 15, 2002 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	38 °F	Dir. —	Temp 74 °F	-DZ 1050-1200LT -DZ 1430-1500LT -DZ 2200-2345LT		
Min.	33 °F	Vel. 0 m.p.h.	Read. 28.69 in.			
Set	33 °F	Char. Calin	Corr. 28.56 in.	0700	1300	1900
R.H.	82 %	24 hr. Mov. M mi.	Sea L. 29.910 in.	Clds. 10/10 St	Clds.	Clds. 8/10 St
Ppn. Liq.	T in.	Prev. Dir. M	3 hr. Tend. Steady mb	Wx HZ	Wx	Wx Cool
Ppn. Sol.	0 in.	Snow Depth T in.	Observer JEP	Vis. 8 mi.	Vis. mi.	Vis. 15 mi.

T: 36
HDD: 29
CDD: 0
 Σ HDD: 578
 Σ CDD: 0
 Σ PEN: 1.99
 Σ PENS: 9.8

T DMS: 34/28
T VVV: 34/26

TW: 31
TD: 28

PEN_{TB}: 0.00
 Σ PEN_{TB}: 0.00



Monday December 16, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 41 °F	Dir. W	Temp 74 °F	-RA 0210-0235 LT -SNH 0445-0500 LT			
Min. 33 °F	Vel. 20 m.p.h.	Read. 28.58 in.				
Set 33 °F	Char. Gusty	Corr. 28.45 in.	0700	1300	1900	
R.H. 72 %	24 hr. Mov. — mi.	Sea L. 29.84 in.	Clds. Mia SE	Clds. Sc 10/10	Clds. 1/10 ci	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +12.5 mb	Wx -HZ	Wx Cool	Wx cdd	
Ppn. Sol. T in.	Snow Depth T in.	Observer KRV	Vis. 8 mi.	Vis. 25 mi.	Vis. 8 mi.	

$\bar{T}: 37$

HDD: 28

CDD: 0

Σ HDD: 606

Σ CDD: 0

Σ PCN_L: 1.99

Σ PCN_S: 9.8

$T_{Davis}: 32/25$

$T_{Duv}: 34/24$

$T_w: -$

$T_D: 25$

PCN_{TB}: 0.00^{*}

Σ PCN_{TB}: 0.00^{*}

Tuesday December 17, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 34 °F	Dir. N	Temp 72 °F		-SHSN 0745-0815 LT -SHSN ~1300 LT		
Min. 17 °F	Vel. 2 m.p.h.	Read. 29.13 in.				
Set 17 °F	Char. Light	Corr. 29.01 in.		0700	1300	1900
R.H. 76 %	24 hr. Mov. — mi.	Sea L. 30.49 in.	Clds. Clear	Clds. Clear	Clds. to ci	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +1.5 mb	Wx -Hz	Wx Cool	Wx	
Ppn. Sol. T in.	Snow Depth T in.	Observer KRV	Vis. 15 mi.	Vis. 25 mi.	Vis. 15 mi.	

T: 26

HDD: 39

COD: 0

Σ HDD: 645

Σ COD: 0

Σ PCNL: 1.99

Σ PCN₃: 9.8

T_{navis}: 19/11

T_{UNV}: 16/8

T_w: —

T_D: 11

PCNT_B: 0.00"

Σ PCNT_B: 0.00"

Wednesday, December 18, 2002 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 24 °F	Dir. ENE	Temp 72 °F				
Min. 16 °F	Vel. 2 m.p.h.	Read. 29.21 in.				
Set 17 °F	Char. STEADY	Corr. 29.08 in.				
			0700	1300	1900	
R.H. 80 %	24 hr. Mov. — mi.	Sea L. 30.86 in.	Clds. 2/10 As, Ci	Clds. 9/10 As, St	Clds. As 3/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 0 mb	Wx Cold	Wx Cool	Wx Cool	
Ppn. Sol. 0.0 in.	Snow Depth T in.	Observer RAK	Vis. 25 mi.	Vis. 25 mi.	Vis. 20 mi.	

$$\bar{T} = 23$$

$$HDD = 42$$

$$CDD = 0$$

$$\epsilon HDD = 687$$

$$\epsilon CDD = 0$$

$$\epsilon PCN_L = 1.99''$$

$$\epsilon PCN_S = 9.8''$$

$$T_{Davis} = 16/12$$

$$T_{unv} = 14/10$$

$$T_w = -$$

$$T_d = 12^\circ$$

$$PCN_{TB} = 0.00''$$

$$\epsilon PCN_{TB} = 0.00''$$

Thursday, December 19, 2002 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind			Barom.			General Obs.					
Max.	32 °F		Dir.	SW		Temp	72 °F		* Overnight low 26°					
Min.	17* °F		Vel.	1 m.p.h.		Read.	28.97 in.							
Set	30 °F		Char.	STEADY		Corr.	28.84 in.		0700	1300	1900			
R.H.	69 %		24 hr. Mov.	— mi.		Sea L.	30.26 in.		Clds.	9/10 As	Clds.	9/10 Ci	Clds.	10/10 AS
Ppn.	Liq.	0.00 in.	Prev. Dir.	—		3 hr. Tend.	-2 mb		Wx	Co c /		Wx	-Hz	
Ppn.	Sol.	0.0 in.	Snow Depth	T in.		Observer	RAK		Vis.	25 mi.		Vis.	20 mi.	
												Vis.	15 mi.	

$$\bar{T} = 25$$

$$HOD = 40$$

$$COD = 0$$

$$\Sigma HOD = 727$$

$$\Sigma COD = 0$$

$$\Sigma PCN_L = 1.99''$$

$$\Sigma PCN_S = 9.8''$$

$$T_{davis} = 31/21$$

$$T_{univ} = 27/21$$

$$T_w = -$$

$$T_d = 21^\circ$$

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

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

Friday Dec 20 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 50 °F	Dir. SSW	Temp 76 °F		* TEMPS ROSE STEADILY OVRT -RA/RA & OCCAS RA 2220-085 ET		
Min. 30* °F	Vel. 2 m.p.h.	Read. 28.21 in.				
Set 50 °F	Char. STEADY	Corr. 28.08 in.				
			0700	1300	1900	
R.H. 97 %	24 hr. Mov. - mi.	Sea L. 29.40 in.	Clds. 10/10 NS	Clds. 10/10 ST	Clds. 9/10 AC	
Ppn. Liq. 0.36 in.	Prev. Dir. -	3 hr. Tend. -1.2 mb	Wx - RA	Wx COOL	Wx COOL	
Ppn. Sol. 0.0 in.	Snow Depth T in.	Observer J.M.M.	Vis. 5 mi.	Vis. 20 mi.	Vis. 20 mi.	

$$\bar{T} = 40$$

$$HDD = 25$$

$$CDD = 0$$

$$\Sigma HDD = 752$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 2.35''$$

$$\Sigma PCN_S = 9.8''$$

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

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

$$TW = 49$$

$$T_0 = 49$$

$$PCN_B = 0.00''$$

$$\Sigma PCN_B = 0.00''$$

Saturday, December 21, 2002
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	-Ra 0700-0830 LT -Shsn 2215-2245 LT -Shsn 0530-065 LT			
51 °F	WSW	76 °F				
Min.	Vel.	Read.				
30 °F	10 m.p.h.	28.48 in.				
Set	Char.	Corr.	0700	1300	1900	
33 °F	Steady	28.35 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
92 %	M mi.	29.74 in.	10/10 NS		4/10 St	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.02 in.	M	1.5 mb	-Shsn		breezy	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
T in.	T in.	JEP	5 mi.	mi.	20 mi.	

T: 42
HDD: 23
CDD: 0
 Σ HDD: 775
 Σ CDD: 0
 Σ PNL: 2.37
 Σ PCNS: 9.8

T_{DAVIS}: 33/31
T_{TURVY}: 34/26

T_W: 32
T_D: 31

PN_{TB}: 0.00
 Σ PN_{TB}: 0.00

Sunday, December 22, 2002
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp	76 °F	★OVNT LOW 36 -SHSN 0700-0810LT SN 0810-0930LT -SHSN 0930-1200LT		
43 °F	SW	76 °F				
Min. ★	Vel.	Read.				
33 °F	3 m.p.h.	28.56 in.				
Set	Char.	Corr.		0700	1300	1900
40 °F	Steady	28.43 in.				
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
53 %	M mi.	29.80 in.	3/10 Ci Ak			
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.05 in.	M	-1 mb	COOL			
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0.7 in.	T in.	JEP	25 mi.		mi.	

$\bar{T}: 38$

HDD: 27

CDD: 0

Σ HDD: 802

Σ CDD: 0

Σ PCNL: 2.42

Σ PCNS: 10.5

$T_{DAVIS}: 40/18$

$T_{UNV}: 36/17$

$T_W: 34$

$T_D: 24$

PCNTB: 0.00

Σ PCNTB: 0.00

Monday, December 23, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	42 °F	Dir. SW	Temp 76 °F	-DE 1545-1610 LT -SHSN 0430-0515 LT		
Min.	30 °F	Vel. 13 m.p.h.	Read. 28.77 in.			
Set	30 °F	Char. Gusty	Corr. 28.64 in.	0700	1300	1900
R.H.	81 %	24 hr. Mov. M mi.	Sea L. 30.05 in.	Clds. Ci, Ac 3/10	Clds. Sc 3/10	Clds. Sc 2/10
Ppn. Liq.	T in.	Prev. Dir. M	3 hr. Tend. 4.5 mb	Wx Blustery	Wx	Wx Breezy
Ppn. Sol.	T in.	Snow Depth T in.	Observer JEP	Vis. 20 mi.	Vis. 20 mi.	Vis. 20 mi.

T: 36

HDD: 29

CDD: 0

Σ HDD: 881

Σ CDD: 0

Σ PCN_L: 2.42

Σ PCN_S: 10.5

T_{DAVIS}: 31/22

T_{UNV}: 28/21

T_W: 28

T_D: 25

PIN_{TB}: 0.00

Σ PCN_{TB}: 0.00

TUESDAY DEC 24 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.	General Obs.		
Max.			Dir.		Temp			
39	°F		WNW		77	°F		
Min.			Vel.		Read.			
28	°F		4 m.p.h.		28.90	in.		
Set			Char.		Corr.			
28	°F		GUSTY		28.77	in.	0700	1300
R.H.			24 hr. Mov.		Sea L.		Clds.	Clds.
62	%		M mi.		30.28	in.	10/10 SC	10/10 SC
Ppn.	Liq.		Prev. Dir.		3 hr. Tend.		Wx	Wx
0.00	in.		M		M+2	mb		Wx
Ppn.	Sol.		Snow Depth		Observer		Vis.	Vis.
0.0	in.		T in.		M. N. M.		20 mi.	20 mi.
							2	mi.



$$\bar{T} = 33$$

$$KDD = 32$$

$$CDD = 0$$

$$\Sigma HDD = 863$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 2.42$$

$$\Sigma PCN_S = 10.5$$

$$TDMS = 28/19$$

$$TANV = 28/16$$

$$TW = 20$$

$$TD = 18$$

$$PCNTB = 0.00$$

$$\Sigma PCNTB = 0.00$$

WEDNESDAY 25 DEC. 2002
 * CHRISTMAS DAY *

0700 EST

Meteorological Observatory
 University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	33 °F	Dir.	WSW	Temp	-SN 1720 - 0230 - FERR 1000L - PL - FERR 0230 - 0625 65 0625 - 0650 +SN 0650 - 065		
Min.	28 °F	Vel.	5 m.p.h.	Read.	28.37 in.		
Set	29 °F	Char.	SHIPPING	Corr.	28.23 in.		
R.H.	93 %	24 hr. Mov.	- mi.	Sea L.	0700	1300	1900
Ppn. Liq.	0.23 in.	Prev. Dir.	-	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn. Sol.	1.8 in.	Snow Depth	2 in.	Observer	10/10 NS		12/10 NS
					Wx	Wx	Wx
					+SN		-SN
					Vis.	Vis.	Vis.
					1/8 mi.		0.50 mi.

$$\bar{T} = 31$$

$$H_{20} = 34$$

$$\Sigma H_{20} = 897$$

$$\Sigma PCN_e = 2.65''$$

$$\Sigma PCN_j = 12.3''$$

$$T_{SAMS} = 29/27$$

$$T_{UNV} = 30/27$$

$$T_D = 27$$

PCN₇₀ - NO -

Thursday, December 26, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 33 °F	Dir. WNW	Temp 76 °F		-SN/SN/+SN 0700 - 0015 LT ⁴ -FERA/IP 0015 - 0230 LT -FERA/IP 0430 - 0445 LT		
Min. 27 °F	Vel. 5 m.p.h.	Read. 28.82 in.		* 0800 1/4 +SN SNOINCA 2/4 0900 3/4 -SN SNOINCA 2/6		
Set 28 °F	Char. shifting & gusty	Corr. 28.69 in.		0700	1300	1900
R.H. 78 %	24 hr. Mov. - mi.	Sea L. 30.11 in.	Clds. 4/10 st	Clds. 10/10 st	Clds. 7/10 ⁴	
Ppn. Liq. 0.62 in.	Prev. Dir. -	3 hr. Tend. +3.0 mb	Wx Windy	Wx Breezy	Wx Windy	
Ppn. Sol. 7.0 in.	Snow Depth 0 in.	Observer RJM	Vis. 20 mi.	Vis. 20 mi.	Vis. 10 mi.	

$$\bar{T} = 30$$

$$HDD = 35$$

$$CDD = 0$$

$$EHDD = 932$$

$$ECDD = 0$$

$$EPCN_R = 3.27''$$

$$EPCN_S = 19.3''$$

$$T_{Davis} = 28/22$$

$$T_{unv} = 28/19$$

$$T_D = 22$$

$$PCN_{TB} = 0.37''$$

$$EPCN_{TB} = 0.37$$

Friday, December 27, 2002

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 31 °F	Dir. NNW	Temp 76 °F	900-930 -SN 1130-1400 occ -SN			
Min. 22 °F	Vel. 3 m.p.h.	Read. 29.12 in.				
Set 22 °F	Char. STEADY	Corr. 28.98 in.	0700	1300	1900	
R.H. 81 %	24 hr. Mov. - mi.	Sea L. 30.32 in.	Clds. 10/10 St	Clds. 10/10 As	Clds. 5/10 St	
Ppn. Liq. T in.	Prev. Dir. -	3 hr. Tend. 0 mb	Wx -Fg	Wx Cool	Wx Hazy	
Ppn. Sol. T in.	Snow Depth 6 in.	Observer RAR	Vis. 10 mi.	Vis. 15 mi.	Vis. 5 mi.	

$$\bar{T} = 27$$

$$HDD = 38$$

$$CDD = 0$$

$$\Sigma HDD = 970$$

$$\Sigma CDD = 0$$

$$\Sigma PCN_L = 3.27''$$

$$\Sigma PCN_S = 19.3''$$

$$T_{davis} = 22/17$$

$$T_{unr} = 21/15$$

$$T_w = -$$

$$T_d = 17^\circ$$

$$PCN_{TD} = 0.00''$$

$$\Sigma PCN_{TD} = 0.37''$$

Saturday, December 28, 2002

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind		Barom.		General Obs.		
Max.	31 °F	Dir.	SW	Temp	76 °F				
Min.	20 °F	Vel.	6 m.p.h.	Read.	28.90 in.				
Set	22 °F	Char.	STEADY	Corr.	28.76 in.	0700	1300	1900	
R.H.	88 %	24 hr. Mov.	- mi.	Sea L.	30.20 in.	Clds.	1/10 As	Clds.	10/10 AS
Ppn. Liq.	0.00 in.	Prev. Dir.	-	3 hr. Tend.	-1 mb	Wx	Cold	Wx	Wx SHSN, breezy
Ppn. Sol.	0.00 in.	Snow Depth	5 in.	Observer	PAK	Vis.	20 mi.	Vis.	mi. 5 mi.

$$\bar{T} = 26$$

$$HOD = 39$$

$$COD = 0$$

$$\Sigma HOD = 1009$$

$$\Sigma COD = 0$$

$$\Sigma PCN_L = 3.27''$$

$$\Sigma PCN_S = 19.3''$$

$$T_{davis} = 24/19$$

$$T_{unv} = 23/17$$

$$T_w = -$$

$$T_d = 19^\circ$$

$$PCN_B = 0.00''$$

$$\Sigma PCN_B = 0.37''$$

Sunday, December 29, 2002
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.			Dir.	Temp	-SHSN 1745-2030LT SHSN 2030-2100LT -SHSN 2100LT-2400LT *OUNT LOW 28		
35	°F		WNW	76 °F			
Min.			Vel.	Read.			
*21	°F		7 m.p.h.	28.83 in.			
Set			Char.	Corr.	0700	1300	1900
34	°F		Steady	28.70 in.			
R.H.			24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
82	%		M mi.	30.10 in.	10/10 St		1/10 Ac
Ppn.	Liq.		Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
T	in.		M	12 mb	HZ		HZ
Ppn.	Sol.		Snow Depth	Observer	Vis.	Vis.	Vis.
T	in.		5 in.	JEP	8 mi.		15 mi.

T: 28
HDD: 37
CDD: 0
 Σ HDD: 1046
 Σ CDD: 0
 Σ PCNL: 3.27
 Σ PCNs: 19.3

T_{DAVIS}: 34/29
T_{UNV}: 34/26

T_w: 32
T_D: 29

PCN_{TB}: 0.00
 Σ PCN_{TB}: 0.37

Monday, December 30, 2002
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	Dir.	Temp						
38 °F	—	76 °F						
Min.	Vel.	Read.						
22 °F	0 m.p.h.	29.06 in.						
Set	Char.	Corr.						
22 °F	calm	28.93 in.		0700	1300	1900		
R.H.	24 hr. Mov.	Sea L.		Clds.	Clds.	Clds.		
81 %	M mi.	30.38 in.		1/10 St	10/10 St	10/10 St		
Ppn. Liq.	Prev. Dir.	3 hr. Tend.		Wx	Wx	Wx		
0.00 in.	M	Steady mb		Chilly	- RA, DZ			
Ppn. Sol.	Snow Depth	Observer		Vis.	Vis.	Vis.		
0.0 in.	4 in.	JEP		5 mi.	7 mi.	10 mi.		

\bar{T} : 30

HDD: 35

CDD: 0

Σ HDD: 1081

Σ CDD: 0

Σ PCNL: 3.27

Σ PCNS: 19.3

T_{DAVIS}: 23/21

T_{UNN}: 21/21

T_w: 21

T_o: 17

PCN_{TB}: 0.00

Σ PCN_{TB}: 0.37

TUESDAY DEC 31 2002

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 37 °F	Dir. —	Temp 77 °F	Read. 28.88 in.	* BUNT LOW 35° - DRR-RA 1530 - 0100LT		
Min. * 22 °F	Vel. 0 m.p.h.	Corr.				
Set 35 °F	Char. CALM	28.75 in.				
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.16 in.	0700	1300	1900	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. STEADY mb	Clds. 10/10st	Clds.	Clds. 10 NS	
Ppn. Sol. 0.0 in.	Snow Depth 3 in.	Observer J.M.M.	Wx Fg	Wx	Wx -R0	
			Vis. 3 mi.	Vis. mi.	Vis. 1/2 mi.	

$$\bar{T} = 30$$

$$HDD = 35$$

$$CDD = 0$$

$$SHDD = 116$$

$$SEDD = 0$$

$$\Sigma PCN_1 = 3.28$$

$$\Sigma PCN_2 = 19.3$$

$$TDA_{DD} = 26/34 \quad TN = 35$$

$$TDA_{NV} = 35/34 \quad TD = 34$$

TEMPS.

	1 DEC	2002
\bar{T}_x	35.5	60.5
\bar{T}_w	22.0	42.8
\bar{T}	28.7	51.7
DEP	-1.3	+2.3

$$\Sigma PCN_1 (2002) 42.49''$$

$$\Sigma PCN_2 (2002) 44.6''$$

$$PCN_{TB} = 0.00$$

$$\Sigma PCN_{TB} = 0.37$$