Thursday April 1, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 47 °F	Dir. N	Temp 80 °F	*ount low 44		
Min. * 42 °F	Vel. 4 m.p.h.	Read. 28.50 in.	1600 - 1630 LT - RA		
Set 44 °F	Char. light	Corr. 28.36 in.	1730 - 1745 LT - RA		
			1830 - 1930 LT - RA		flip →
			2230 - 2250 LT - RA		
			0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.70 in.	Clds. 10/10 NS	Clds.	Clds. Sc 9/10 St
Ppn. Liq. 0.39 in.	Prev. Dir. —	3 hr. Tend. \ -2.0 mb	Wx +RA	Wx	Wx —
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SMM	Vis. 2 mi.	Vis. mi.	Vis. 15 mi.

$\bar{T} = 45$

$HDD = 20$

$\Sigma HDD = 20$

$T_{davis} = 44|44$

$T_{unv} = 44|44$

$T_W = 44$

$T_D = 44$

$\Sigma PCN_L = 0.39"$

$\Sigma PCN_S = 0.0"$

OBS
0120-0540 RA
0540-OBS RA
OCCL RA

$PCN_{TB} = M$

$\Sigma PCN_{TB} = M$

Friday, April 2, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 50 °F	Dir. NE	Temp 79 °F	obs-07:45 LT + RA ⇒ 07:45-08:50 LT RA 08:50-09:40 LT -RA 09:40-11:10 LT •RA, occ! +RA 11:10-13:30 LT -RA		
Min. 42 °F	Vel. 5 m.p.h.	Read. 28.53 in.			
Set 43 °F	Char. Light	Corr. 28.39 in.	0700	1300	1900
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 29.75 in.	Clds. 10/10 St	Clds. 10/10 St	Clds. 10/10 Sc
Ppn. Liq. .92 in.	Prev. Dir. —	3 hr. Tend. /+.20 mb	Wx FG	Wx —	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 2 mi.	Vis. 10 mi.	Vis. 15 mi.

$\bar{T} = 46$
$+HDD = 19$
$\Sigma HDD = 39$

$T_{Davis} = 44/43$
$T_{UNV} = 44/44$

$T_W = 42$
$T_D = 41$

$\Sigma PCN_L = 1.31"$
$\Sigma PCN_S = 0.0"$

16:10 - 16:50 LT -RA
19:05 - 20:50 LT -RA
22:15 - 00:30 LT -RA, ocnl RA
01:10 - 01:15 LT -SH RA, ocnl +RA
01:45 - 05:00 LT -RA, ocnl RA, ocnl +RA

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

Saturday, April 3, 2004 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 48 °F	Dir. NNW	Temp 79 °F	-DZ 0930-0945 LT -DZ 1015-1100 LT -DZ 2250-2300 LT -DZ 0525-0855 LT		
Min. 38 °F	Vel. 5 m.p.h.	Read. 28.53 in.			
Set 38 °F	Char. Light	Corr. 28.38 in.	0700	1300	1900
R.H. 82 %	24 hr. Mov. — mi.	Sea L. 29.75 in.	Clds. 10/10 Sc	Clds. 10/10 Sc, Cu	Clds. 7/10 Ci, As, Sc
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. √0.2 mb	Wx DZ, Ridge Top FG	Wx Cloudy	Wx Cloudy to East, M. Clear to West
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer BPM	Vis. 15 mi.	Vis. 20 mi.	Vis. 25 mi.

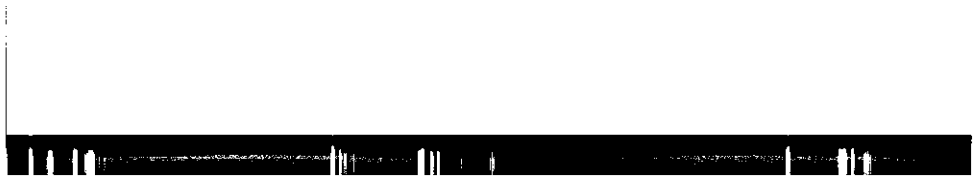
$\bar{T} = 43°$
HDD = 22
CDD = 0
ΣHDD = 61
ΣCDD = 0

$T_{DAVIS} = 38°/37°$
$T_{UNV} = 39°/37°$

$T_W = 36°$
$T_D = 33°$

PCNCTB = M
ΣPCNCTB = M

ΣPCNC = 1.32"
ΣPCNS = 0.0"



Sunday, 4 April, 2004 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 47 °F	Dir. WNW	Temp 76 °F	-DZ/-RA: 0855-1045LT OCNL-DZ: 1155-1330LT OCNL-RA: 2115-2220LT -RA: 0315-0630LT; RA: 0515-0525LT		
Min. 37 °F	Vel. 7G11 m.p.h.	Read. 28.34 in.			
Set 39 °F	Char. breezy	Corr. 28.21 in.	0700	1300	1900
R.H. 85 %	24 hr. Mov. — mi.	Sea L. 29.57 in.	Clds. 10/10 Sc	Clds.	Clds. 9/10 Sc, Ci, Cu
Ppn. Liq. 0.04 in.	Prev. Dir. —	3 hr. Tend. / 0.5 mb	Wx (S) Cloudy	Wx	Wx WINDY, Cloudy, breaks to West
Ppn. Sol. 0.0 in.	Snow Depth 0.0 in.	Observer AGM	Vis. (S) 20 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}$ = 42°
HDD = 23
ΣHDD = 84
ΣCDD = 0

T_{Davis} = 38°/34.5°
T_{UNV} = 39°/34°

T_W = 37°
T_D = 34°

ΣPCN_L = 1.36"
ΣPCN_S = 0.0"

⑧ Isolated Ridgetop Fog to NE on Tussey Mountain. Roundtop Mountain obscured, but adjacent ridges, and also mountains past Penns Valley visible.

PCN_{LTB} = 0"
ΣPCN_{LTB} = N/A

Monday, 5 April, 2004 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 39 °F	Dir. NW	Temp 76 °F	- SN SHs: 0935-1045, (OCNL) 1440-1750
Min. 23 °F	Vel. 13 to 20 m.p.h.	Read. 28.73 in.	
Set 24 °F	Char. gusty	Corr. 28.60 in.	

0700	1300	1900
Clds. 0/10	Clds. 0/10	Clds. 0/10
Wx Clear & Cold, Wind Chill ~ 9°F	Wx —	Wx —
Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

R.H.	24 hr. Mov.	Sea L.	3 hr. Tend.
55 %	— mi.	30.02 in.	/ 2.4 mb

Ppn. Liq.	Prev. Dir.
T in.	—

Ppn. Sol.	Snow Depth	Observer
T in.	0.0 in.	AGM

$\bar{T}$ = 31°

HDD = 34

ΣHDD = 118

ΣCDD = 0

T_{DAVIS} = 24.5°/9.5°

T_{UNIV} = 27.0°/10°

T_W = —

T_D = 10°

ΣPCN_L = 1.3#"

ΣPCN_S = Trace

PCN_{LTB} = 0"

ΣPCN_{LTB} = N/A

Tuesday April 6, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 40 °F	Dir. WNW	Temp 75 °F	* OUR NT LOW - 27
Min. * 24 °F	Vel. 7 m.p.h.	Read. 28.82 in.	
Set 28 °F	Char. Steady	Corr. 28.70 in.	
R.H. 43 %	24 hr. Mov. — mi.	Sea L. 30.10 in.	
Ppn. Liq. — in.	Prev. Dir.	3 hr. Tend. -0.0 mb	
Ppn. Sol. — in.	Snow Depth in.	Observer JAS	

0700	1300	1900
Clds. 0/10	Clds.	Clds. 7/10 St, As, Cu
Wx —	Wx	Wx mostly cloudy
Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 32$

HDD = 33

ΣHDD = 151

ΣCDD = 0

$\Sigma PCN_L = 1.36$

$\Sigma PCN_S = T$

$T_{daus} = 28/12$

$T_{unu} = 30/10$

$T_w = 14$

$T_d = 12$

$PCN_{TB} =$

$\Sigma PCN_{TB} =$

Wednesday, 7 April, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 54 °F	Dir. SSW	Temp 78 °F	OVRNT LOW - 46° OCNL -- FA SH: 1400 - 1800LT
Min. 28 °F	Vel. 1 m.p.h.	Read. 28.60 in.	
Set 50 °F	Char. light	Corr. 28.47 in.	
R.H. 61 %	24 hr. Mov. — mi.	Sea L. 29.81 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. ✓-0.2 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0.0 in.	Observer AGM	

0700	1300	1900
Clds. 4/10 Ci, Ac	Clds.	Clds. 1/10 Ci
Wx Fair & Hazy	Wx	Wx —
Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 41$

$HDD = 24$

$\Sigma HDD = 175$

$\Sigma CDD = 0$

$T_{davis} = 50.5°/36.5°$

$T_{UNV} = 50°/34°$

$T_W = 44°$

$T_D = 37°$

$\Sigma PCN_L = 1.3$

$\Sigma PCN_S = T$

$PCN_{LTB} = 0$

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

Thursday, April 8, 2004 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 63 °F	Dir. —	Temp 78 °F			
Min. 35 °F	Vel. 0 m.p.h.	Read. 28.62 in.			
Set 38 °F	Char. calm	Corr. 28.48 in.	0700	1300	1900
R.H. 76 %	24 hr. Mov. — mi.	Sea L. 29.86 in.	Clds. 7/10 AS AC	Clds.	Clds. 10/10 St NS
Ppn. Liq. 0.0 in.	Prev. Dir. —	3 hr. Tend. —0.0 mb	Wx —	Wx	Wx -RA
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SMM	Vis. 20 mi.	Vis. mi.	Vis. 15 mi.

$\bar{T} = 49$

$T_{davis} = 39|31$ $T_w = 35$

$T_{unv} = 37|32$ $T_D = 31$

$HDD = 16$

$\Sigma HDD = 191$

$\Sigma CDD = 0$

$\Sigma PCN_L = 1.3$

$\Sigma PCN_S = T$

$PCN_{TB} = 0$

$\Sigma PCNTB = M$

Friday, April 9, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 43 °F	Dir. SW	Temp 76 °F	10:00-11:00 LT - PLRA
Min. 37 °F	Vel. 3 m.p.h.	Read. 28.70 in.	11:00-12:05 LT - RA, ocnl RA+RA
Set 39 °F	Char. Light	Corr. 28.57 in.	13:15-14:40 LT - RA, ocnl RA
R.H. 60 %	24 hr. Mov. — mi.	Sea L. 29.95 in.	15:40-15:55 LT - SHRA =>
Ppn. Liq. .42 in.	Prev. Dir. —	3 hr. Tend. /+3.5 mb	
Ppn. Sol. T in.	Snow Depth — in.	Observer SGH	

0700	1300	1900
Clds. St 9/10 Sc	Clds. Cu 6/10 Sc	Clds. Cu 5/10
Wx FG	Wx —	Wx —
Vis. 2 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$= 41
HDD = 24
ΣHDD = 215

T_{UNV} = 42/42
T_{Davis} = 40/39

T_W = 34
T_D = 26

ΣPCN_L = 1.78"
ΣPCN_S = T

17:30 - 19:10 LT -RA, vcnl RA

PCN_{TB} = M
ΣPCN_{TB} = M

Saturday April 10, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. WSW	Temp 78 °F			
Min. 33 °F	Vel. 3 m.p.h.	Read. 28.84 in.			
Set 38 °F	Char. light	Corr. 28.71 in.	0700	1300	1900
R.H. 68 %	24 hr. Mov. — mi.	Sea L. 30.18 in.	Clds. 8/10 St, Ci	Clds.	Clds. 8/10 Ci, Ac, Cc
Ppn. Liq. — in.	Prev. Dir. —	3 hr. Tend. -.05 mb	Wx —	Wx	Wx fair
Ppn. Sol. — in.	Snow Depth — in.	Observer JAS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

T = 45

HDD = 20

ΣHDD = 236

ΣCDD = 0

ΣPCN_L = 1.78"

ΣPCN_G = T

T_{WW} = 34/27

Tdavis = 38/27

T_W = 36

Td = 28

PCN_{TB} = M

ΣPCN_{TB} = M

Meteorological Observatory
Univeristy Park, PA

Sunday, 11 April, 2004 — 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 59 °F	Dir. ENE	Temp 76.5 °F	*Overnight Low ~ 39°		
Min. 38* °F	Vel. 3 m.p.h.	Read. 28.93 in.			
Set 39 °F	Char. light	Corr. 28.80 in.	0700	1300	1900
R.H. 64 %	24 hr. Mov. — mi.	Sea L. 30.19 in.	Clds. 10/10 St	Clds.	Clds. 10/10 St, As
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +1.2 mb	Wx Cloudy	Wx	Wx Cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

T = 49°

HDD = 16

ΣHDD = 242

ΣCDD = 0

T_{DAVIS} = 40.5°/28°

T_{UNV} = 39°/27°

T_W = 35°

T_D = 28°

ΣPCN_L = 1.78"

ΣPCN_S = Trace

PCL_{TB} = 0

ΣPCL_{TB} = N/A

Monday, 12 April, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 43 °F	Dir. NE	Temp 77.5 °F	0910-1000 LT: OCNL -RA/-DZ 1015-1115 LT: -RA/-SN 1130-1430 LT: -RA
Min. 39 °F	Vel. 569 m.p.h.	Read. 29.03 in.	
Set 40 °F	Char. variable	Corr. 28.90 in.	
R.H. 82 %	24 hr. Mov. — mi.	Sea L. 30.29 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. / +1.0 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer AGM	

0700	1300	1900
Clds. 10/10 Sc, As, Ci	Clds. 10/10 Ns	Clds. 10/10 Ns
Wx overcast	Wx -DZ	Wx RA
Vis. 20 mi.	Vis. 10 mi.	Vis. 5 mi.

$\bar{T}$ = 41°
HDD = 24
ΣHDD = 2 6
ΣCDD = 0

T_{DAVIS} = 41° / 35.5°
T_{UNV} = 41° / 32°

T_W = 38
T_D = 35°

ΣPCN_L = 1.78"
ΣPCN_S = Trace

PCL_{TB} = 0
ΣPCL_{TB} = N/A

Tuesday April 13, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. E	Temp 76 °F	*OVRNT LOW - 41 -RA 1200 - 1900 OCNL RA & T RA PL 1530 - 1700 RA 1900 - 1945 -RA 1945 - 0010
Min. 40* °F	Vel. 5 m.p.h.	Read. 28.71 in.	
Set 41 °F	Char. light	Corr. 29.59 in.	
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.94 in.	
Ppn. Liq. 0.54 in.	Prev. Dir. —	3 hr. Tend. 41.0 mb	
Ppn. Sol. T in.	Snow Depth — in.	Observer JAS	

	0700	1300	1900
Clds.	10/10 St	Clds.	Clds. 10/10 Ns, Cu, St
Wx	—	Wx	Wx Cloudy & Fogg
Vis.	10 mi.	Vis. mi.	Vis. 5 mi.

$\bar{T} = 44$

$HDD = 21$

$\Sigma HDD = 297$

$\Sigma CDD = 0$

$\Sigma PCN_L = 2.32''$

$\Sigma PCN_S = T$

$T_{www} = 41/41$

$T_{davis} = 42/41$

$T_w = 40$

$T_d = 40$

OZ observation – Mt. Nittany obscured by fog above 1500', Tussey Mountain Ridge obscured down to near base

$PCN_{TB} = M$

$SPCN_{TB} = M$

Wednesday, 14 April, 2004 — 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 45 °F	Dir. N	Temp 76 °F	* OVERNIGHT LOW ~ 42° 915-930 LT: -RA 1030-1755 LT: -RA/-DZ, RA/+RA: 1100-1220, 1600-1650 LT 315-330 LT: -RA
Min. * 40 °F	Vel. 5 m.p.h.	Read. 28.60 in.	
Set 42 °F	Char. steady	Corr. 28.47 in.	

	0700	1300	1900
R.H. 84 %	Clds. 10/10 Sc	Clds. 10/10 Sc, St	Clds. 10/10 Sc, St
Ppn. Liq. 0.61 in.	Wx Cloudy, ridgetop FG on Tussey Mt, 400m:S	Wx —	Wx —
Ppn. Sol. 0.0 in.	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Snow Depth 0 in. — Prev. Dir. — — 24 hr. Mov. — mi. — 3 hr. Tend. / +3.0 mb — Sea L. 29.83 in. — Observer AGM

$\bar{T} = 43$

HDD = 22

$\Sigma HDD = 319$

$\Sigma CDD = 0$

$\Sigma PCN_L = 2.9$

$\Sigma PCN_S = T$

$T_{CONV} = 43°/39°$

$T_{DAVIS} = 43°/39°$

$T_W = 40°$

$T_D = 38°$

$PCN_{TOL} = 0$

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

Thursday, April 15, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 47 °F	Dir. —	Temp 76 °F			
Min. 32 °F	Vel. 0 m.p.h.	Read. 28.95 in.			
Set 40 °F	Char. calm	Corr. 28.91 in.	0700	1300	1900
R.H. 45 %	24 hr. Mov. — mi.	Sea L. 30.20 in.	Clds. CLR	Clds.	Clds. 2/10 Ci
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +.30 mb	Wx —	Wx	Wx —
Ppn. Sol. -- in.	Snow Depth — in.	Observer SMM	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 40$

$T_{unv} = 39|26$

$T_w = 33$

$HDD = 25$

$T_{davis} = 41|29$

$T_d = 30$

$\Sigma HDD = 344$

$\Sigma CDD = 0$

$\Sigma PCN_L = 2.9$"

$\Sigma PCN_S = T$

$PCNTB = 0$

$\Sigma PCNTB = 0$

Friday, April 16, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 58 °F	Dir. —	Temp 76 °F			
Min. 31 °F	Vel. — m.p.h.	Read. 29.18 in.			
Set 35 °F	Char. Calm	Corr. 29.05 in.	0700	1300	1900
R.H. 64 %	24 hr. Mov. — mi.	Sea L. 30.47 in.	Clds. 0/10	Clds. 1/10 Ci	Clds. 3/10 As Ac
Ppn. Liq. — in.	Prev. Dir. —	3 hr. Tend. +1.5 mb	Wx —	Wx .	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 45$

$T_{DAVIS} = 37/24$

$T_W = -$

$+HDD = 20$

$T_{UNV} = 39/24$

$T_D = 24$

$\Sigma HDD = 364$

$\Sigma CDD = 0$

$\Sigma PCN_L = 2.95$

$\Sigma PCN_S = T$

$PCN_{TB} = M$

$\Sigma PCN_{TB} = M$

Saturday, April 17, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. SW	Temp 80 °F	*Overnight Low = 48°F
Min. 35* °F	Vel. 1 m.p.h.	Read. 29.07 in.	
Set 49 °F	Char. Light	Corr. 28.92 in.	
R.H. 64 %	24 hr. Mov. — mi.	Sea L. 30.29 in.	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. ↗1.0 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer BPM	

0700	1300	1900
Clds. 1/10 Ci	Clds.	Clds. 7/10 Ci, Cs, As, Ac, Cu
Wx Hz	Wx	Wx Fair end to a gorgeous day
Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 52°$

HDD = 13

CDD = 0

ΣHDD = 377

ΣCDD = 0

$T_{Davis} = 51°/39°$

$T_{UVV} = 54°/39°$

$T_W = M.$

$T_D = 39°$

ΣPCNL = 2.93"

ΣPCNS = Trace

PCNLTB = M

ΣPCNLTB = M

Meteorological Observatory
Univeristy Park, PA

Sunday, 18 April, 2004 — 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 79 °F	Dir. —	Temp 84 °F	* overnight low ~61°F		
Min. 49* °F	Vel. 0 m.p.h.	Read. 29.15 in.			
Set 61 °F	Char. calm	Corr. 29.00 in.	0700	1300	1900
R.H. 69 %	24 hr. Mov. — mi.	Sea L. 30.34 in.	Clds. 8/10 Cu, Ci	Clds.	Clds. 8/10 Ci, Ac, Cs
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. /+1.3 mb	Wx Fair w/ Hz	Wx	Wx Thunder Evening
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}$ = 64°F
HDD = 1
CDD = 0
ΣHDD = 378
ΣCDD = 0

T_{Davis} = 62°/51°
T_{UNV} = 59°/48°

T_w = 55°
T_D = 51°

ΣPCN_L = 2.99°
ΣPCN_S = T

$PCN_{L,TB}$ = 0
$\Sigma PCN_{L,TB}$ = N/A

Meteorological Observatory
Univeristy Park, PA

Monday, 19 April, 2004 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 85 °F	Dir. SW	Temp 81.5 °F	*overnight low - 71°F First cold of 2004 - 8
Min. * 61 °F	Vel. 9G13 m.p.h.	Read. 28.97 in.	
Set 71 °F	Char. Breezy	Corr. 28.83 in.	
R.H. 38 %	24 hr. Mov. / mi.	Sea L. 30.13 in.	
Ppn. Liq. 0.00 in.	Prev. Dir. /	3 hr. Tend. ~0.5 mb	
Ppn. Sol. 0.0 in.	Snow Depth / in.	Observer KAA	

	0700	1300	1900
Clds.	7/10 Ci Ac	10/10 Sc Ac	10/10 Sc
Wx	Partly sunny	windy	windy
Vis.	25 mi.	25 mi.	25 mi.

$\bar{T} = 73$
$HDD = 0$
$CDD = 8$
$\Sigma HDD = 378$
$\Sigma CDD = 8$

$T_{DAVIS} = 71.5°/44°$
$T_{UNV} = 72°/41°$

$T_W = 56°$
$T_D = 44°$

$\Sigma P_C N_L = 2.93"$
$\Sigma P_C N_S = T$

$P_C N_L TB = N/A$
$\Sigma P_C N_L TB = N/A$

Tuesday April 20, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 80 °F	Dir. N	Temp 81 °F	-SHRA ~ 2355 LT
Min. 50 °F	Vel. 4 m.p.h.	Read. 28.98 in.	
Set 50 °F	Char. light	Corr. 28.84 in.	
R.H. 88 %	24 hr. Mov. — mi.	Sea L. 30.14 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. ↗ 1.0 mb	
Ppn. Sol. — in.	Snow Depth in.	Observer JAS	

	0700	1300	1900
Clds.	Clds. Ci 3/10 Sc	Clds.	Clds. 8/10 Ci, Ac, Cs
Wx	Wx —	Wx	Wx Mostly Cloudy
Vis.	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\overline{T} = 65$

$HDD = 0$

$CDD = 0$

$\Sigma HDD = 378$

$\Sigma CDD = 8$

$\Sigma PCN_L = 2.98''$

$\Sigma PCN_S = T$

$T_{davis} = 51/44$

$T_{unv} = 52/43$

$T_w = 47$

$T_d = 44$

$PCN_{TB} = M$

$\Sigma PCN_{TB} = M$

Wednesday April 21, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 71 °F	Dir. SSE	Temp 80.5 °F	23:05 - 23:55, 00:10 - 08:20; -RA
Min. 50 °F	Vel. 6 m.p.h.	Read. 28.86 in.	* OVNGT LOW 57°
Set 57 °F	Char. Steady	Corr. 28.72 in.	

0700	1300	1900
Clds. As Ac 8/10 Ci Ac	Clds. 5/10 Cu sc	Clds. SC 10/10 Cu
Wx Mostly Cloudy	Wx —	Wx —
Vis. 15 mi.	Vis. 25 mi.	Vis. 20 mi.

R.H.	24 hr. Mov.	Sea L.	
77 %	— mi.	30.06 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. 1.3 mb	
Ppn. Sol. — in.	Snow Depth 0 in.	Observer SLM	

$\bar{T} = 61$

HDD = 4

CDD = 0

$\Sigma HDD = 382$

$\Sigma CDD = 8$

$\Sigma PCN_L = 293$

$\Sigma PCN_S = T$

$T_{dmin} = 56/51$

$T_{mn} = 57/50$

$T_w = 53°$

$T_d = 50°$

$PCN_{TB} = NA$

$\Sigma PCN_{TB} = NA$

Thursday April 22, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 75 °F	Dir. WSW	Temp 82 °F	*Overnight Low - 62 22:45 - 23:30 Thunder 22:00 - 22:10 - -RA
Min. * 57 °F	Vel. 5 m.p.h.	Read. 28.84 in.	
Set 62 °F	Char. Light	Corr. 28.69 in.	
R.H. 60 %	24 hr. Mov. mi.	Sea L. 30.01 in.	
Ppn. Liq. Trace in.	Prev. Dir.	3 hr. Tend. +1.5/ mb	
Ppn. Sol. — in.	Snow Depth in.	Observer TPH	

0700	1300	1900
Clds. Ci 7/10 Cu	Clds.	Clds. 10/10 NS
Wx Hz	Wx	Wx -SHRA
Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$\overline{T} = 66$

$HDD = 0$

$CDD = 1$

$\Sigma HDD = 382$

$\Sigma CDD = 9$

$\Sigma PCN_L = 2.93$

$\Sigma PCN_S = T$

$\overline{T}_{davis} = 63155$

$\overline{T}_{UNV} = 64153$

$\overline{T}_w = 54$

$\overline{T}_d = 48$

$PCN_{TB} = N/A$

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

Friday, April 23, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 71 °F	Dir. NNE	Temp 75 °F	13:05 - 16:15 LT - RA 16:30 - 16:50 LT - -RA 17:10 - 21:10 LT - RA 21:30 - 22:50 LT - RA 23:15 - 23:30 LT - -RA ⇒
Min. 50 °F	Vel. 3 m.p.h.	Read. 28.89 in.	
Set 50 °F	Char. Light	Corr. 28.76 in.	
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.12 in.	
Ppn. Liq. .44 in.	Prev. Dir. —	3 hr. Tend. ↓ +1.0 mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	

0700	1300	1900
Clds. 10/10 Ns	Clds. 10 10/10 Sc St	Clds. 10/10 Sc
Wx -RA	Wx —	Wx Hz
Vis. 1 mi.	Vis. 5 mi.	Vis. 10 mi.

$\bar{T} = 61$

$HDD = 4$

$CDD = 0$

$\Sigma HDD = 386$

$\Sigma CDD = 9$

$\Sigma PCN_L = 3.38"$

$\Sigma PCN_S = T$

$T_{Davis} = 51/51$

$T_{UNV} = 50/50$

$T_W = 49$

$T_D = 48$

00:20 - 00:50 LT -RA, occnl RA +RA
01:15 - 02:30 LT -RA, occnl RA +RA
05:20 - 06:30 LT -RA, occnl RA +RA
06:50 - obs LT -RA

$PCN_{TR} = M$

$\Sigma PCN_{TR} = M$

Saturday, April 24, 2004 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 55 °F	Dir. NNW	Temp 73 °F	-RA 0855-0925 LT -RA 0945-1030 LT -RA 1105-1120 LT OCNL-RA 1630-1715 LT -RA 0035-0055 LT
Min. 48 °F	Vel. 5 m.p.h.	Read. 29.06 in.	
Set 50 °F	Char. Light	Corr. 28.93 in.	
R.H. 74 %	24 hr. Mov. — mi.	Sea L. 30.29 in.	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. /2.0 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer BPM	

	0700	1300	1900
Clds.	2/10 Ac Sc-Strat	Clds.	Clds. 2/10 Ci, Cs Ac, As
Wx	Hz	Wx	Wx Fair
Vis.	20 mi.	Vis. mi.	Vis. 25 mi.

T = 52°
HDD = 13
CDD = 0
ΣHDD = 399
ΣCDD = 9

T_{Davis} = 50°/45°
T_{UNU} = 50°/44°

T_W = 46°
T_D = 42°

ΣPCPNC = 3.38"
ΣPCPNS = Trace

PCPNTB = M
ΣPCPNTB = M

Meteorological Observatory
Univeristy Park, PA

Sunday, 25 April, 2004 — 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 66 °F	Dir. NE	Temp 74 °F	0645 LT-OBS: -RA/ocnl RA, with Thunder 0655-OBS.		
Min. 46 °F	Vel. 1 m.p.h.	Read. 29.11 in.			
Set 46 °F	Char. light	Corr. 28.99 in.	0700	1300	1900
R.H. 65 %	24 hr. Mov. — mi.	Sea L. 30.37 in.	Clds. 10/10 Ns, St, Sc 10/10 Cs to East	Clds.	Clds. 10/10 St, Sc, 10/10 Ns
Ppn. Liq. 0.04 in.	Prev. Dir. —	3 hr. Tend. ✓+0.2 mb	Wx -RA, Thunder to W	Wx	Wx Overcast
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 15 mi.	Vis. mi.	Vis. 8 mi.

$\bar{T} = 56$

HDD = 9

CDD = 0

ΣHDD = 408

ΣCDD = 9

$T_{DAVIS} = 46.5°/35°$

$T_{UNV} = 48°/32°$

$T_w = 41°$

$T_D = 35°$

$\Sigma PCN_L = 3.42"$

ΣPCN_S = Trace

$PCN_{LTB} = 0$

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

Monday, 26th April 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 53 °F	Dir. W	Temp 74 °F	*corrn ION = 50° → Few PL 0825-1035 LT: -RA/RA/+RA; TRA 1015-1030 LT. 1520-1820 LT: -RA/RA 2340-0200 LT: RA/RA/-RA; TRA 0040-105 LT 0305-0725 LT: -RA/RA 0730-085: -RA
Min. 42 °F	Vel. 1 m.p.h.	Read. 28.75 in.	
Set 53 °F	Char. Light	Corr. 28.63 in.	
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.97 in.	
Ppn. Liq. 0.97 in.	Prev. Dir. —	3 hr. Tend. +0.3 mb	
Ppn. Sol. Trace in.	Snow Depth 0.0 in.	Observer KAK	

	0700	1300	1900
Clds.	10/10 ST, NS, SC	10/10 St Sc	10/10 St Sc
Wx	-Ra, Fg	—	—
Vis.	2.5 mi.	25 mi.	25 mi.

$\bar{T} = 48$
$\#HDD = 17$
$CDD = 0$
$\Sigma HDD = 425$
$\Sigma CDD = 9$

$T_{DAMS} = 51.7°/51.7°$
$T_{UNNY} = 52°/52°$

$\bar{T}_W = 53°$
$T_D = 53°$

$\Sigma PCN_L = 4.99$
$\Sigma PCN_S = T$

$PCN_{LJB} = 0$
$\Sigma PCN_{LJB} = N/A$

Tuesday April 27, 2004 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 56 °F	Dir. WSW	Temp 71 °F	0800-0815: -RA 0850-0905: -RA 0920-0945: -RA		
Min. 46 °F	Vel. 7 m.p.h.	Read. 28.61 in.			
Set 48 °F	Char. steady	Corr. 28.49 in.	0700	1300	1900
R.H. %	24 hr. Mov. — mi.	Sea L. 29.83 in.	Clds. ci 2/10 sc	Clds.	Clds. 9 Sc, Cu, 10 Ac
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. L 0.5 mb	Wx —	Wx	Wx Cloudy w/ virga
Ppn. Sol. — in.	Snow Depth — in.	Observer JAS	Vis. 25 mi.	Vis. mi.	Vis. 25, mi. 15 to South

$\overline{T} = 51$

$HOD = 14$

$\Sigma HOD = 439$

$\Sigma COD = 9$

$\Sigma PCN_L = 4.40''$

$\Sigma PCN_S = T$

$T_{davis} = 48/40$

$T_{unv} = 50/41$

$T_w = 44$

$T_d = 40$

$PCN_{TB} = M$

$\Sigma PCN_{TB} = M$

Wednesday April 28, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 54 °F	Dir. WNW	Temp 68 °F	1110 - 1135 LT : -RA 1200 - 1230 LT : -RA 1325 - 1415 LT : -RA 1445 - 1455 LT : -RA 1740 - 1800 LT : -RA/-PL 1930 - 1950 LT : -RA		
Min. 32 °F	Vel. G12 6 m.p.h.	Read. 28.98 in.			
Set 35 °F	Char. Breezy	Corr. 28.87 in.	0700	1300	1900
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.28 in.	Clds. 9/10 Sc,Ci on E horizon	Clds. 11/10 Ci	Clds. 8/10 Sc
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. /2.93mb	Wx Fair	Wx —	Wx —
Ppn. Sol. T in.	Snow Depth 0 in.	Observer SLM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 43$

HDD : 22

ΣHDD · 461

CDD : 0

ΣCDD : 9

Σ PCN_ = 4.42

Σ PCN_S = T

T_{davis} = 35.5/26.5

T_{univ} = 37/27

T_w = 33

T_d = 28

PCN_B = 0

ΣPCN_{TB} = NA

Thurs April 29, 2004

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 58 °F	Dir. WSW	Temp 72 °F	* Overnight Low = 48 *		
Min. 35* °F	Vel. 5 m.p.h.	Read. 29.18 in.			
Set 54 °F	Char. Light	Corr. 29.05 in.	0700	1300	1900
R.H. 47 %	24 hr. Mov. mi.	Sea L. 30.42 in.	Clds. 7/10 Cu, Ci, Sc	Clds.	Clds. Sc 6/10 Ci
Ppn. Liq. — in.	Prev. Dir.	3 hr. Tend. +1 / mb	Wx —	Wx	Wx —
Ppn. Sol. — in.	Snow Depth — in.	Observer TPH	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\overline{T} = 47$

$HDD = 18$

$CDD = 0$

$\Sigma HDD = 479$

$\Sigma CDD = 9$

$\Sigma PCN_L = 4.47$

$\Sigma PCN_S = T$

$\overline{T}_{davis} = 53136$ $\overline{T}_w = 45$

$\overline{T}_{UNV} = 51137$ $\overline{T}_d = [redacted]34$

$PCN_B = 0$

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

Friday, April 30, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 81 °F	Dir. —	Temp 72 °F			
Min. 52 °F	Vel. — m.p.h.	Read. 29.07 in.			
Set 57 °F	Char. Calm	Corr. 28.95 in.	0700	1300	1900
R.H. 57 %	24 hr. Mov. — mi.	Sea L. 30.30 in.	Clds. Ci 9/10 Cs	Clds.	Clds. Ci 4/10 Ac Sc
Ppn. Liq. — in.	Prev. Dir. —	3 hr. Tend. +1.0 mb	Wx valley fog	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer SGH	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}$ = 67
HDD = 0
CDD = 2
ΣHDD = 479
ΣCDD = 11
ΣPCN_L = 442
ΣPCN_S = T

T_{bavis} = 59/51
T_{unv} = 59/51

T_w = 49
T_b = 42

APRIL TEMP'S.

$\bar{T}_{MAX}$ = 58.0
$\bar{T}_{MIN}$ = 40.4
$\bar{T}_{APR}$ = 49.20

PCN_{TB} = M
ΣPCN_{TB} = M