Saturday January 1, 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 55 °F	Dir. —	Temp 77 °F	BALMY START TO 2005 *ANT CONST
Min. 41* °F	Vel. — m.p.h.	Read. 29.10 in.	
Set 52 °F	Char. CALM	Corr. 28.97 in.	
R.H. %	24 hr. Mov. — mi.	Sea L. 30.33 in.	
Ppn. Liq. T in.	Prev. Dir.	3 hr. Tend. +1.6 / mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer FJG	

0700	1300	1900
Clds. 7/10 Sc	Clds.	Clds. 0/LO
Wx	Wx	Wx Clear
Vis. 25 mi.	Vis. mi.	Vis. ~25 mi.

$\bar{T} = 48$

$T_{DAILY} = NA$

TTD VON = 52/43

$H_{DD} = 17$

$C_{DD} = 0$

$\Sigma^{H}_{DD} = 17$

$\Sigma_{COD} = 0$

$\Sigma_{PCNL} = T$

$\Sigma_{PCN} = 0$

Sunday, January 2, 2004 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. —	Temp 76 °F			
Min. 33 °F	Vel. 0 m.p.h.	Read. 29.37 in.			
Set 35 °F	Char. Calm	Corr. 29.24 in.	0700	1300	1900
R.H. — %	24 hr. Mov. — mi.	Sea L. 30.69 in.	Clds. Sr Sc 10/10	Clds.	Clds. 10/10 Ns
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +1.0 mb	Wx Cloudy	Wx	Wx Drizzle
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MLS	Vis. ~25 mi.	Vis. mi.	Vis. ~10 mi.

$\bar{T} = 45$

$HDD = 20$

$CDD = 0$

$\Sigma HDD = 37$

$\Sigma CDD = 0$

$\Sigma PCN_L = T$

$\Sigma PCN_S = 0$

$T_{DAVIS} = 34/28$

$T_{UNV} = 34/28$

$T_w = N/A$

$T_d = N/A$

$PCN_{LTB} = M$

$\Sigma PCN_{LTB} = M$

Meteorological Observatory
Univeristy Park, PA

Monday, January 3, 2005 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 45 °F	Dir. WSW	Temp 76 °F	* OVNT LOW 40		
Min. * 35 °F	Vel. 2 m.p.h.	Read. 29.12 in.	-RA 19:10 to 19:20		
Set 41 °F	Char. light & variable	Corr. 28.99 in.	-RA 20:40 to 23:20		
			-RA 04:00 to 06:20		
			0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.40 in.	Clds. ~~St~~ 10/10 Ns	Clds. ~~St~~ 10/10 Ns	Clds. ~~St~~ 10/10 Ns
Ppn. Liq. 0.08 in.	Prev. Dir. —	3 hr. Tend. -0.0 mb	Wx Fog w/ Drizzle	Wx Rain	Wx Rain
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MLS	Vis. ~.5 mi.	Vis. ~1 mi.	Vis. ~.5 mi.

T = 210
HDD = 25
CDD = 0
ΣHDD = 62
ΣCDD = 0
ΣPCN$_L$ = 0.08"

T_{DAVIS} = 40/40
T_{ONV} = 41/41

T_ω = 43
T_d = 44

PCN_{LTB} = M
PCN_{LTB} = M

Meteorological Observatory
Univeristy Park, PA

Tuesday, January 4, 2005 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 48 °F	Dir. NE	Temp 76 °F	*overnight low 42°
Min. 41* °F	Vel. 4 m.p.h.	Read. 29.01 in.	-RA 11:20 to OBS (occ. RA)
Set 42 °F	Char. Variable	Corr. 28.88 in.	
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.29 in.	
Ppn. Liq. 0.81 in.	Prev. Dir. —	3 hr. Tend. 12.1 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MLS	

0700	1300	1900
Clds. St Ns 10/10	Clds. Sc Ac 9/10	Clds. Ac 7/10
Wx Drizzle	Wx M. Cloudy	Wx P. Cloudy
Vis. ~4 mi.	Vis. ~17 mi.	Vis. ~25 mi.

$\bar{T} = 45$

$HDD = 20$

$CDD = 0$

$\Sigma HDD = 89$

$\Sigma CDD = 0$

$\Sigma PCN_L = 0.89''$

$T_{DAVES} = 43/42$

$T_{UNV} = 43/43$

$T_w = N/A$

$T_d = N/A$

$PCN_{LTB} = M$

$PCN_{LTB} = M$

Meteorological Observatory
Univeristy Park, PA

Wednesday, January 5, 2005 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 46 °F	Dir. N	Temp 75 °F	DZ OBS to 7:10LT -RA 1:20 to OBS (occ RA)
Min. 37 °F	Vel. 5 m.p.h.	Read. 28.93 in.	
Set 37 °F	Char. Gusty	Corr. 28.80 in.	
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.20 in.	
Ppn. Liq. 0.30 in.	Prev. Dir. —	3 hr. Tend. \-1.2 mb	
Ppn. Sol. 0.00 in.	Snow Depth 0 in.	Observer MLS	

0700	1300	1900
Clds. Ns 10/10 St	Clds.	Clds. 10/10 St
Wx Rain	Wx	Wx -PL
Vis. ~2 mi.	Vis. mi.	Vis. 3 mi.

$\bar{T} = 42$

$HDD = 23$

$CDD = 0$

$\Sigma HDD = 105$

$\Sigma CDD = 0$

$\Sigma PCN_L = 1.19"$

$T_{DAVIS} = 37/37$

$T_{UUV} = 36/36$

$T_{\omega} = N/A$

$T_{\phi} = N/A$

$PCN_{UTB} = M$

$PCN_{LTB} = M$

January 6 2005 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 38 °F	Dir. NNE	Temp 75 °F	OBS - 1220 LT -SHRA 1220 - 1840 LT -PL 1940 - 0530 LT -PL 0630 - 0835 LT -FZRA OCCL SHRA SIGNIFICANT ICE ACCUM. (>0.5")
Min. 30 °F	Vel. 0 m.p.h.	Read. 28.66 in.	* Record Precip Old Record 1.35 in 1910
Set 33 °F	Char. Calm	Corr. 28.53 in.	

	0700	1300	1900
	Clds. 10/10 St	Clds. St 10/10	Clds. 10/10 St
	Wx SHRA	Wx -SHRA	Wx —
	Vis. 3 mi.	Vis. 20 mi.	Vis. 10 mi.

R.H. 96 %	24 hr. Mov. — mi.	Sea L. 29.92 in.	
Ppn. Liq. 1.46 in.	Prev. Dir. —	3 hr. Tend. -1.6 \ mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer SLM	

T̄ : 34
HOD : 31
COD : 0
ΣHOD : 136
ΣCOD : 0
ΣPCNL : 2.65*
ΣPCNL_solid : Trace

T_{env} : 34/32
T_{days} : N/A

Ta : —
Tw : 38

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

Meteorological
Univeristy Park, PA

January 7, 2005 Friday 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 39 °F	Dir. NNW	Temp 73 °F	OBS - 1340 LT - SHRA
Min. 29 °F	Vel. 0 m.p.h.	Read. 29.01 in.	
Set 30 °F	Char. calm	Corr. 28.89 in.	
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.31 in.	
Ppn. Liq. 0.35 in.	Prev. Dir. —	3 hr. Tend. +1.6 / mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SLM	

	0700	1300	1900
Clds.	Clds. 10/10 St Cu	Clds. 10/10 Cu	Clds. 10/10
Wx	Wx —	Wx —	Wx —
Vis.	Vis. 20 mi.	Vis. 25 mi.	Vis. 10 mi.

HDD: 31
CDD: 0
ΣHDD: 1167
ΣCDD: 0
ΣPCNL: 3.00 "
$\Sigma PCNL_{Snid}$ = Trace

T_{unv} = 30/23
T_{dark} = 28/23

T_w = -
T_d = 23

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

Saturday January 5, 2005 0700 EST

Meteorological Observations
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 35 °F	Dir. N	Temp 74 °F	* overnight low 32 2203 - 0022 LT -RA occ - PL 0029 - 0035 -RA occ SHRA
Min. * 29 °F	Vel. 3 m.p.h.	Read. 28.97 in.	
Set 34 °F	Char. light	Corr. 28.75 in.	
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.15 in.	
Ppn. Liq. 0.13 in.	Prev. Dir. —	3 hr. Tend. -2 ↘ mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JM	

	0700	1300	1900
Clds.	Clds. 9 10/10	Clds.	Clds. 10/10
Wx	Wx SHRA	Wx	Wx —
Vis.	Vis. 3 mi.	Vis. mi.	Vis. 10 mi.

HDD = 33
CDD = 0
ΣHDD = 200
ΣCDD = 0
ΣPCNL = 3.13"
ΣPCNL$_{Solid}$ = Trace

T_{max} = 34/34
T_{class} = N/A

T_w = 34
T_d = 34

PCNL$_{TB}$ = N/A
ΣPCNL$_{TB}$ = N/A

Meteorological Observatory
Univeristy Park, PA

Sunday January 9, 2005 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 41 °F	Dir. ENE	Temp 74 °F	OBS - 1034 LT -SHRA OCCL SHRA 1200 - 1221 LT -SHRA
Min. 32 °F	Vel. 3 m.p.h.	Read. 29.18 in.	
Set 33 °F	Char. Steady	Corr. 29.06 in.	
R.H. 81 %	24 hr. Mov. — mi.	Sea L. 30.48 in.	
Ppn. Liq. 0.23 in.	Prev. Dir. —	3 hr. Tend. +.2 − mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SM	

0700	1300	1900
Clds. Sr 10/10	Clds.	Clds. 8/10 Cu, Ac
Wx —	Wx	Wx Cloudy
Vis. 20 mi.	Vis. mi.	Vis. 10 mi.

T = 37
HDD = 25
CDD = 0
ΣHDD = 228
ΣCDD = 0
ΣPCNL = 3.36"
ΣPCNL$_{solid}$ = Trace

T$_{MAX}$ = 34/28
T$_{departs}$ = N/A

T$_W$ = –
T$_D$ = 28

PCNL$_{PB}$ = N/A
ΣPCNL$_{PB}$ = N/A

Monday January 10, 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. —	Temp 74 °F			
Min. 32 °F	Vel. 0 m.p.h.	Read. 28.87 in.			
Set 34 °F	Char. Calm	Corr. 28.75 in.	0700	1300	1900
R.H. 93 %	24 hr. Mov. mi.	Sea L. 30.15 in.	Clds. 10/10 Sc	Clds.	Clds. 5/10 Cs
Ppn. Liq. — in.	Prev. Dir. —	3 hr. Tend. — mb	Wx —	Wx	Wx P. Cloudy
Ppn. Sol. — in.	Snow Depth — in.	Observer KAA	Vis. 25 mi.	Vis. mi.	Vis. ~25 mi.

$\bar{T} = 35$

HDD = 30

CDD = 0

Σ HDD = 258

Σ CDD = 0

$\Sigma PCN_L = 3.36$

$T_{DAILS} = 34/33$

$T_{UNV} = 36/32$

$T_w = 35$

$T_d = 34$

$PCN_{LTB} = M$

$\Sigma PCN_{LTB} = M$

Tuesday, January 11, 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. ENE	Temp 74 °F	-Sh Sn 06:40 - OBS LT		
Min. 31 °F	Vel. 5 m.p.h.	Read. 28.99 in.			
Set 33 °F	Char. light + variable	Corr. 28.86 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. —— mi.	Sea L. 30.27 in.	Clds. 10/10 Ns	Clds. 10/10 Ns	Clds. 10/10 Ns
Ppn. Liq. T in.	Prev. Dir. ——	3 hr. Tend. 1-1.0 mb	Wx Flurries	Wx RA/PL	Wx -SHRA
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MLS	Vis. ~17 mi.	Vis. 5 mi.	Vis. 10 mi.

$\bar{T} = 37$

$HDD = 28$

$CDD = 0$

$\Sigma HDD = 286$

$\Sigma CDD = 0$

$\Sigma PCN_L = 3.36"$

$T_{DAVIS} = 34/29$

$T_{UNV} = 32/28$

$T_w = N/A$

$T_d = N/A$

$PCN_{LTB} = M$

$\Sigma PCN_{LTB} = M$

Wednesday January 12, 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 36 °F	Dir. ESE	Temp 74 °F	OBS- 0800 LT - SHSN 0800 - 1030 LT SHSN 1030 - 1100 LT + TSN 1100 - 1210 LT - SN 1210 - 1300 LT - PLRA 1300 - 2033 LT - PLRA 0200 - OBS LT - RA OCCL DZ		* OVNT LOW 33
Min. * 31 °F	Vel. 1 m.p.h.	Read. 28.88 in.			
Set 35 °F	Char. light	Corr. 28.76 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.16 in.	Clds. 10/10 NS	Clds.	Clds. 10/10 St
Ppn. Liq. 0.70 in.	Prev. Dir. —	3 hr. Tend. 0 — mb	Wx -DZ	Wx	Wx —
Ppn. Sol. 2.3 in.	Snow Depth 1 in.	Observer SLM	Vis. 10 mi.	Vis. mi.	Vis. 15 mi.

$\bar{T} = 34$

HDD = 31

CDD = 0

ΣHDD = 317

ΣCDD = 0

$\Sigma P_{ENDL} = 4.06''$

$\Sigma P_{ENDL\ solid} = 2.3''$

$T_{MRU} = 36/36$

$T_{aqua} = N/A$

$T_w = 35$

$T_d = 35$

$P_{CNL\ TB} = N/A$

$\Sigma P_{CNL\ TB} = N/A$

Thursday January 13, 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 45 °F	Dir. W	Temp 76 °F	*Evening low - 41 (temps rising)
Min. 35* °F	Vel. 3 m.p.h.	Read. 28.82 in.	0805 - 0840 -SHRA
Set 44 °F	Char. Steady	Corr. 28.69 in.	1100 - 1120 -SHRA
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.06 in.	1720 - 1740 DZ
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. -.91 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer TPH	

	0700	1300	1900
Clds.	10/10 St	10 Sc, Cu; 10 Ac, Ci	10/10 Cu
Wx	Foggy	Cloudy with rising ceilings	—
Vis.	2 mi.	~13 mi.	20 mi.

$\overline{T}$ = 40
CDD = 0
HDD = 25
ΣCDD = 0
ΣHDD = 342
ΣPCN_L = 4.06"
ΣPCN_S = 2.3"

$\overline{T}_{UNIV}$ = 42/42
$\overline{T}_{Davis}$ = 44/44

$\overline{T}_{\omega}$ = 44
$\overline{T}_{d}$ = 44

PCN_{LCB} = N/A
ΣPCN_{LCB} = N/A

Meteorological Observatory
Univeristy Park, PA

Friday, 14 January, 2005 — 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 63 °F	Dir. N	Temp 75.5 °F	2245-0630 LT: -RA/OCNL. RA 0630-0640 LT: -RA/-SN
Min. 38 °F	Vel. 3 m.p.h.	Read. 28.91 in.	
Set 38 °F	Char. light	Corr. 28.77 in.	
R.H. 85 %	24 hr. Mov. — mi.	Sea L. 30.18 in.	
Ppn. Liq. 0.49 in.	Prev. Dir. —	3 hr. Tend. / +5.7 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer AGM	

0700	1300	1900
Clds. 10/10 Sc, Ns to East	Clds.	Clds. 3/10 Ac, As, Cu
Wx Cloudy	Wx	Wx Nice sunset then fair
Vis. 18 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}$ = 51

CDD = 0

HDD = 14

ΣCDD = 0

ΣHDD = 356

T_{DAVIS} = 37.5°/33.5°

T_{UNIV} = 37°/32°

T_u = 36°

T_b = 34°

ΣPCN_L = 4.55"

ΣPCN_S = 2.8"

PCN_{LTB} = 0.40"

ΣPCN_{LTB} = N/A

Meteorological Observatory
Univeristy Park, PA

Saturday, 15 January, 2005 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. NNW	Temp 73 °F	PM MAX ~ 36 at 1200 LT		
Min. 20 °F	Vel. 3 m.p.h.	Read. 29.48 in.			
Set 20 °F	Char. light and steady	Corr. 29.36 in.	0700	1300	1900
R.H. 69 %	24 hr. Mov. — mi.	Sea L. 30.72 in.	Clds. 2/10 As, Ci	Clds.	Clds. 3/10 Ci
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. / +1.8 mb	Wx Clear and cold	Wx	Wx M. Clear
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$T = 29$

$HDD = 36$

$\Sigma HDD = 392$

$\Sigma CDD = 0$

$\Sigma PCN_L = 4.55"$

$\Sigma PCN_E = 2.3"$

$T_{DAVIS} = 19.5°/11°$

$T_{UNIV} = 21°/12°$

$T_W = —$

$T_D = 11°$

$PCN_{LTB} = 0.00"$

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

Meteorological Observatory
Univeristy Park, PA

Sunday, 16 January, 2005 — 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 31 °F	Dir. NE	Temp 7.2 °F			
Min. 19 °F	Vel. 2 m.p.h.	Read. 29.34 in.			
Set 22 °F	Char. light	Corr. 29.22 in.	0700	1300	1900
R.H. 92 %	24 hr. Mov. — mi.	Sea L. 30.68 in.	Clds. 8/10 St, As, Cs	Clds. 10/10 Ci, Cs	Clds. 10/10 Cs
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. ↘ -1.4 mb	Wx M. Cloudy	Wx -SN	Wx -SN
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. 7 mi.	Vis. 8 mi.

$\bar{T}$ = 25

HDD = 40

Σ HDD = 432

Σ CDD = 0

ΣPCN_L = 4.55"

ΣPCN_E = 2.3"

T_{DAVIS} = 21.5°/19.5°

T_{UNIV} = 21°/19°

T_W = N/A

T_D = 20

PCN_{LTB} = 0.00"

ΣPCN_{LTB} = N/A

Monday 17 January 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 25 °F	Dir. WNW	Temp 72 °F	-SN 09:55 - 13:30 LT -SN 15:05 - 03 00 LT
Min. 15 °F	Vel. 7 m.p.h.	Read. 29.15 in.	
Set 15 °F	Char. light	Corr. 29.03 in.	
R.H. 71 %	24 hr. Mov. — mi.	Sea L. 30.50 in.	
Ppn. Liq. 0.13 in.	Prev. Dir. —	3 hr. Tend. ↗ +1.0 mb	
Ppn. Sol. 2.0 in.	Snow Depth 2 in.	Observer KAA	

	0700	1300	1900
Clds.	Clds. 5/10 Cu	Clds.	Clds. 20/20 Ns
Wx	Wx —	Wx	Wx Flurries
Vis.	Vis. 25 mi.	Vis. mi.	Vis. ~6 mi.

$\bar{T} = 20$

$HDD = 45$

$CDD = 0$

$\Sigma HDD = 477$

$\Sigma CDD = 0$

$\Sigma PCN_L = 4.68"$

$\Sigma PCN_S = 4.3"$

$T_{davis} = 14/7$

$T_{UNV} = 16/9$

$T_w = M$

$T_d = M$

$PCN_{LTB} = M$

$\Sigma PCN_{LTB} = M$

TUESDAY 18 JANUARY 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 17 °F	Dir. NW	Temp 73 °F	-Sn 17:00 - 20:10 LT
Min. 5 °F	Vel. 8 m.p.h.	Read. 29.37 in.	
Set 5 °F	Char. Gusty	Corr. 29.25 in.	
R.H. 52 %	24 hr. Mov. ——— mi.	Sea L. 30.77 in.	
Ppn. Liq. T in.	Prev. Dir. ———	3 hr. Tend. / +2.0 mb	
Ppn. Sol. T in.	Snow Depth 2 in.	Observer MLS	

	0700	1300	1900
Clds.	Fr Cu 3/10	0/10	9/10
Wx	Mainly Clear	Bright and Cold.	—
Vis.	~25 mi.	25 mi.	20 mi.

T = 11

HDD = 54

CDD = 0

ΣHDD = 531

ΣCDD = 0

ΣPCN_L = 4.68"

ΣPCN_S = 4.3"

T_{DAVIS} = 5/-5

T_{UNV} = 7/-4

T_W = N/A

T_d = N/A

PCN_{LTD} = M

ΣPCN_{LTD} = M

Meteorological Observatory
Univeristy Park, PA

Wednesday January 19, 2005 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 15 °F	Dir. SSE	Temp 73 °F	* overnight low - 8
Min. * 5 °F	Vel. 5 m.p.h.	Read. 28.94 in.	
Set 15 °F	Char. Calm	Corr. 28.82 in.	
R.H. 53 %	24 hr. Mov. — mi.	Sea L. 30.28 in.	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -3 \ mb	
Ppn. Sol. 0.0 in.	Snow Depth 1 in.	Observer SLM	

	0700	1300	1900
Clds.	Clds. OVC 10/10	Clds. 10/10 NS	Clds. OVC 10/10
Wx	Wx —	Wx -SN	Wx -SN
Vis.	Vis. 25 mi.	Vis. 10 mi.	Vis. 17 mi.

T = 10
HDD = 55
CDD = 0
ΣHDD = 586
ΣCDD = 0
ΣPCNL = 4.68"
ΣPCNLsowd = 4.3"

T_{unv} = 16/1
T_{davis} = 14/0

T_{w} = -
T_{cl} = 1

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

Thursday January 20, 2005

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 29 °F	Dir. W	Temp 72 °F	*Evening Low - 19 *
Min. 15* °F	Vel. 11 m.p.h.	Read. 28.77 in.	0810 - 2120 - SN 2340 - 0020 - SN 0100 - 0230 - SN 0340 - 0400 - SN
Set 23 °F	Char. Breezy	Corr. 28.65 in.	
R.H. 71 %	24 hr. Mov. — mi.	Sea L. 30.88 in.	
Ppn. Liq. 0.09 in.	Prev. Dir. —	3 hr. Tend. +.4 / mb	
Ppn. Sol. 1.7 in.	Snow Depth 2 in.	Observer TPH	

0700	1300	1900
Clds. Sc St 7/10 Cu	Clds. 7 Ci, Sc, 1/10 Cu	Clds. 4/10 Ci & Sc a
Wx —	Wx Low-levels clearing	Wx —
Vis. 25 mi.	Vis. 25 mi.	Vis. 20 mi.

T = 22
HDD = 43
CDD = 0
ΣHDD = 629
ΣCDD = 0
ΣPCN$_L$ = 4.77"
ΣPCN$_S$ = 5.0"

T$_{davis}$ = 22/15
T$_{UNV}$ = 24/14

T$_w$ = N/A
T$_d$ = 15

PCN$_{LTB}$ = N/A
ΣPCN$_{LTB}$ = N/A

Meteorological Observatory
Univeristy Park, PA

Friday, 21 January, 2005 — 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 27 °F	Dir. NE	Temp 74 °F	- SN SH: 0810 - 1115LT
Min. 7 °F	Vel. 3 m.p.h.	Read. 28.96 in.	
Set 7 °F	Char. steady	Corr. 28.84 in.	
R.H. 67 %	24 hr. Mov. — mi.	Sea L. 30.34 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +1.7 mb	
Ppn. Sol. T in.	Snow Depth 2 in.	Observer AGM	

	0700	1300	1900
Clds.	0/10 -	1/10 Cu	0/10 -
Wx	Clear & very cold	—	Tranqurl sunset
Vis.	25 mi.	25 mi.	25 mi.

HDD = 48

ΣHDD = 677

ΣCDD = 0

ΣPCN_L = 4.77"

ΣPCN_S = 6.0"

T_{DAVIS} = 8.0°/-2.0°

T_{UMV} = 5°/-2°

T_W = —

T_B = -2°

PCN_{LTB} = 0.00"

ΣPCN_{UTB} = N/A

Meteorological Observatory
Univeristy Park, PA

Saturday, 22 January, 2005 — 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 18 °F	Dir. ESE	Temp 73 °F			
Min. 6 °F	Vel. 7 m.p.h.	Read. 28.80 in.			
Set 8 °F	Char. steady	Corr. 28.68 in.	0700	1300	1900
R.H. 46 %	24 hr. Mov. — mi.	Sea L. 30.16 in.	Clds. 10/10 St, Ns, 10/10 Sc	Clds. 10/10 Ns, St	Clds. 10/10 St, Ns
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. L -3.3 mb	Wx Cloudy	Wx -SN	Wx -SN
Ppn. Sol. 0.0 in.	Snow Depth 2 in.	Observer AGM	Vis. 25 mi.	Vis. 3.5 mi.	Vis. 4.5 mi.

HDD = 44

ΣHDD = 721

ΣCDD = 0

ΣPCN_L = 4.77"

ΣPCN_S = 6.0"

T_{DAYS} = 9°/-3°

T_{UNV} = 9°/-4°

T_W = —

T_D = -3°

PCN_{LTB} = 0.00"

ΣPCN_{LTB} = N/A

Meteorological Observatory
Univeristy Park, PA

Sunday, 23 January, 2005 — 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 16 °F	Dir. N	Temp 71 °F	Snow: 0703-0630,LT SN: 0955-1240,LT -SN; 1330-1425, 1800-1900, + OCNL. 0320-0500,LT All other times just -SN
Min. 7 °F	Vel. 5 & 18 m.p.h.	Read. 28.74 in.	Signifcnt settling 1400-1800 LT.
Set 7 °F	Char. breezy	Corr. 28.62 in.	Signifcnt drifting > 0100 LT.
R.H. 69 %	24 hr. Mov. — mi.	Sea L. 30.10 in.	
Ppn. Liq. 0.39 in.	Prev. Dir. —	3 hr. Tend. / + 4.3 mb	
Ppn. Sol. 5.2 in.	Snow Depth 5 in.	Observer AGM	

OVER→

0700	1300	1900
Clds. 10/10 Ci, As, Ns, Cc	Clds.	Clds. Clear.
Wx Cloudy, breezy at times	Wx	Wx —
Vis. ~6 mi.	Vis. mi.	Vis. 25 mi.

T = 12

HDD = 53

ΣHDD = 783

ΣCDD = 0

T_{DAVIS} = 8.0°/-0.5°

T_{UNV} = 9.0°/ 0.0°

T_w = —

T_D = -1°

ΣPCN_L = 5.16"

ΣPCN_S = 11.2"

6-HR SNOWFALL TOTALS

0BS - 1300LT: 3.6", 0.30" liquid, 11.7:1 Ratio

- 0BS - 0830 ~0.2"
- 0830 - 1000 ~0.6"
- 1000 - 1130 ~1.2"
- 1130 - 1300 ~1.6"

1300 - 1900LT: 0.4", 0.03" liquid, ~13:1 Ratio

- 1300 - 1600 ~0.3"
- 1600 - 1900 ~0.1"

1900LT - 0BS: 1.2", 0.06" liquid, ~20:1

- 1900 - 2030 ~0.5" estimated
- 2030 - 0630 ~0.7" "

Overall Storm Solid to Liquid Ratio: 13.3 to 1

A pretty snowfall

PCN_{LTE} = 0.10"

ΣPCN_{LTE} = N/A

Monday 24 January 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 18 °F	Dir. SW	Temp 73 °F	07:45 - 10:15 Occ - SW
Min. 13 °F	Vel. 5 m.p.h.	Read. 29.00 in.	
Set 5 °F	Char. light	Corr. 28.88 in.	
R.H. 73 %	24 hr. Mov. — mi.	Sea L. 30.38 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. \-0.5 mb	
Ppn. Sol. T in.	Snow Depth 5 in.	Observer KAA	

	0700	1300	1900
Clds.	Clds. Cs 4/10 Ac	Clds.	Clds. 10/10 St.
Wx	Wx —	Wx	Wx Flurries
Vis.	Vis. 25 mi.	Vis. mi.	Vis. ~17 mi.

$\bar{T} = 11$
$HDD = 54$
$CDD = 0$
$\Sigma HDD = 837$
$\Sigma CDD = 0$
$\Sigma PCN_L = 5.16"$
$\Sigma PCN_S = 11.2$

$T_{davis} = 5/-2$
$T_{UNU} = 5/0$

$T_W = M$
$T_d = -2$

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

Meteorological Observations
University Park, PA

Tuesday, January 25, 2005 — 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 25 °F	Dir. W	Temp 73 °F	*Overnight low 16°
Min. 5 °F	Vel. 7 m.p.h.	Read. 28.70 in.	-Sn 14:00 - 17:30 LT -Sn 19:00 - 0:00 LT
Set * 24 °F	Char. Gusty	Corr. 28.58 in.	
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.00 in.	
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. —ra.0 mb	
Ppn. Sol. 0.3 in.	Snow Depth 5 in.	Observer MLS	

0700	1300	1900
Clds. 10/10 St	Clds. 10/10 Sc, Cu, 10/10 As	Clds. 10/10 St
Wx Cloudy	Wx Cloudy	Wx -
Vis. ~10 mi.	Vis. 25 mi.	Vis. 20 mi.

HDD = 50
CDD = 0
ΣHDD = 887
ΣCDD = 0
ΣPCN_L = 5.18"
ΣPCN_S = 11.5

T_{DAVIS} = 24/20
T_{UNIV} = 25/19

T_W = M
T_D = M

PCN_{LTB} = M
ΣPCN_{LTD} = M

Wednesday January 26, 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 34 °F	Dir. SW	Temp 74 °F	* overnight low 29 1945-2010 LT -SN		
Min. * 24 °F	Vel. 0 m.p.h.	Read. 28.49 in.			
Set 32 °F	Char. Calm	Corr. 28.37 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. — mi.	Sea L. 29.76 in.	Clds. 10/10 St	Clds.	Clds. 10/10 St Sc
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +.9 / mb	Wx —	Wx	Wx —
Ppn. Sol. T in.	Snow Depth 4 in.	Observer SLM	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 29$

HDD = 36

CDD = 0

Σ HDD = 923

Σ CDD = 0

Σ PCPL = 5.18"

Σ PCPL$_{solid}$ = 11.5"

T_{min} = 32/27

T_{davis} = N/A

T_w = -

T_d = 27

PCPL$_{TB}$ = N/A

Σ PCPL$_{TB}$ = N/A

Meteorological Observatory
Univeristy Park, PA

Thursday January 27, 2005 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 38 °F	Dir. N	Temp 72 °F	1430 - 1630 - SN
Min. 5 °F	Vel. 4 m.p.h.	Read. 29.15 in.	
Set 5 °F	Char. Varying	Corr. 29.03 in.	
R.H. 66 %	24 hr. Mov. — mi.	Sea L. 30.54 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +6 / mb	
Ppn. Sol. T in.	Snow Depth 3 in.	Observer SLM	

	0700	1300	1900
Clds.	4/10 Sc	0/10	3/10 Ci
Wx	—	—	—
Vis.	25 mi.	25 mi.	20 mi.

$\bar{T} = 22$
HDD = 43
CDD = 0
ΣHDD = 966
ΣCDD = 0
ΣPCNL = 5.18"
$\Sigma PCNL_{SCLD}$ = 11.5"

T_{UHV} = 5/-2
T_{davis} = 7/-2

T_{W} = -
T_{A} = -2

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

Friday, 28 January, 2005 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 19 °F	Dir. ENE	Temp 74 °F			
Min. 0* °F	Vel. 1 m.p.h.	Read. 29.67 in.			
Set 0 °F	Char. light	Corr. 29.45 in.	*1st 0°F temp since -1°F on 1/10/2004		
			0700	1300	1900
R.H. 59 %	24 hr. Mov. — mi.	Sea L. 31.00 in.	Clds. 0/10 —	Clds. 0/10 —	Clds. 0/10
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. / +1.0 mb	Wx Clear, Calm, v. cold	Wx Clear	Wx Clear
Ppn. Sol. 0.0 in.	Snow Depth 3 in.	Observer AGM	Vis. 25 mi.	Vis. ~25 mi.	Vis. 25 mi.

$\bar{T}$ = 10°

HDD = 55

CDD = 0

Σ HDD = 1021

Σ CDD = 0

ΣPCN_L = 5.18"

ΣPCN_E = 11.5"

T_{DAVIS} = 0.5°/-7.5°

T_{UNIV} = 1°/-6°

T_W = —

T_D = -7°

PCN_{LTB} = 0.00"

ΣPCN_{LTB} = N/A

Saturday, 29 January, 2005 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 23 °F	Dir. —	Temp 72 °F			
Min. -1* °F	Vel. 0 m.p.h.	Read. 29.34 in.			
Set 8 °F	Char. calm	Corr. 29.22 in.	* 1st time below 0 since 1/10/04, Overnight low = 8.		
R.H. 57 %	24 hr. Mov. — mi.	Sea L. 30.73 in.	0700 Clds. 4/10 Cs, Ac	1300 Clds.	1900 Clds. 10/10 Cu, Ns
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. \ -1.9 mb	Wx clouds make for colorful dawn	Wx	Wx -- SN, Dewpoint up 11°F since 18Z
Ppn. Sol. 0.0 in.	Snow Depth 3 in.	Observer AGM	Vis. 25 mi.	Vis. mi.	Vis. 6 mi.

$\bar{T} = 11$
HDD = 54
$\Sigma HDD = 1075$
$\Sigma CDD = 0$

$T_{DAVIS} = 7.5°/0°$
$T_{UMV} = 5°/1°$

$T_W = -$
$T_D = 0°$

$\Sigma PCN_L = 5.18"$
$\Sigma PCN_S = 11.6"$

$PCN_{LTB} = 0.00"$
$\Sigma PCN_{LTB} = N/A$

Meteorological Observatory
Univeristy Park, PA

Sunday, 30 January, 2005 — 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 30 °F	Dir. NE	Temp 72.5 °F	-SN: 1830 - 0130 LT. OCNL --SN/-SN: 0130 - 0430 LT.
Min. 6* °F	Vel. 3 m.p.h.	Read. 28.82 in.	6-HOUR TOTALS: LIQ. FRZ. Snowfall Ratio: 1830 - 1900 LT T T 1900 - 0100 LT 0.07" 0.9" ~12.0:1 0100 - 0430 LT 0.01" 0.1"
Set 25 °F	Char. light	Corr. 28.70 in.	* Overnight Low = 26°F

0700	1300	1900
Clds. 10/10 St, Sc	Clds.	Clds. —
Wx Cloudy	Wx	Wx Clear
Vis. ~8 mi.	Vis. mi.	Vis. 25 mi.

R.H. 92 %	24 hr. Mov. — mi.	Sea L. 30.11 in.
Ppn. Liq. 0.08 in.	Prev. Dir. —	3 hr. Tend. ✓ -0.5 mb
Ppn. Sol. 1.0 in.	Snow Depth 3 in.	Observer AGM

$\bar{T}$ = 18°
HDD = 47

ΣHDD = 1122
ΣCDD = 0

ΣPCN_L = 8.26"
ΣPCN_S = 12.5"

T_{DAVIS} = 25.5°/23.5°
T_{UNIV} = 25°/25°

T_W = –
T_D = 24°

PCN_{UTE} = 0.00"
ΣPCN_{UTE} = N/A

Monday 31 January 2005 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. —	Temp 73 °F			
Min. 14 °F	Vel. 0 m.p.h.	Read. 29.15 in.			
Set 15 °F	Char. Calm	Corr. 29.03 in.	0700	1300	1900
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 30.50 in.	Clds. —	Clds. 1/10 Ci	Clds. 0/10
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +1.0 mb	Wx Clear	Wx —	Wx Clear
Ppn. Sol. 0.0 in.	Snow Depth 3 in.	Observer KPA	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 26$

HDD = 39

CDD = 0

ΣHDD = 1161

ΣCDD = 0

$\Sigma PCN_L = 5.26"$

$\Sigma PCN_S = 12.5"$

TDAVIS = 17/13

TUNV = 16/14

T_W =

T_d = M

JAN NORMS

$\bar{T}_{MAX} = 34.5$

$\bar{T}_{MIN} = 20.3$

$\bar{T}_{AVG} = 27.4$

PCN_{UTB} = M

ΣPCN_{UTB} = M