Saturday December 1 2007

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. W	Temp 72 °F			
Min. 25 °F	Vel. * 5 m.p.h.	Read. 29.24 in.			
Set 25 °F	Char. variable	Corr. 29.13 in.	* Gusting up to 34 mph		
			0700	1300	1900
R.H. 59 %	24 hr. Mov. — mi.	Sea L. 30.58 in.	Clds. Ci 4/10 Cu	Clds.	Clds. Cs Ci 8/10 As
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +3.0 mb	Wx p. cloudy	Wx	Wx m. Cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer JCT	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}$: 34

HDD : 31

ΣHDD : 31

CDD : 0

ΣCDD : 0

T_{DAVIS} : 25/12

T_{UNV} : 25/10

T_{td} = 12

ΣPCN_L : 0.00"

ΣPCN_S : 0.0"

PCN_{0_g} : 0.00"

ΣPCN_{0_g} : 0.00"

Sunday, 2 December, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 34 °F	Dir. S	Temp 71.5 °F	-SN/OCNL --SN: 2320-0135LT --SN/-FZ DL: 0135-0210LT -FZ DL: 0620-0650LT		
Min. 23 °F	Vel. 4 m.p.h.	Read. 29.09 in.			
Set 27 °F	Char. light	Corr. 28.97 in.	0700	1300	1900
R.H. 72 %	24 hr. Mov. — mi.	Sea L. 30.40 in.	Clds. 10/10 St, As	Clds.	Clds. 10/10 St, As
Ppn. Liq. 0.10 in.	Prev. Dir. —	3 hr. Tend. ΔPA -1.1 mb	Wx -FZ DL], Clearing Boundary Layer	Wx	Wx Overcast
Ppn. Sol. 0.8 in.	Snow Depth 1 in.	Observer AGM	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 29°$

HDD = 36

Σ HDD = 67

$T_{DAVIS} = 26.5°/19°$

$T_{UNV} = 27°/18°$

$T_{KPSU} = 27°/M$

$T_W = N/A$

$T_D = 19°$

$\Sigma PCN_L = 0.10"$

$\Sigma PCN_S = 0.8"$

$PCN_{LITE} = 0.14"$

$PCN_{GZ} = *$

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

Monday, 3 December, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 45 °F	Dir. W	Temp 72.5 °F	0715-1130LT: OCNL -PL/-FZDL/-SN 2200-0645LT: OCNL -RA/RA 0645LT-OBS: -RA/-PL/-SN
Min. 27* °F	Vel. 15G35m.p.h.	Read. 28.51 in.	
Set 37 °F	Char. Breezy	Corr. 28.39 in.	*Overnight/Evening low = 32.3°F
R.H. 85 %	24 hr. Mov. — mi.	Sea L. 29.77 in.	
Ppn. Liq. 0.35 in.	Prev. Dir. —	3 hr. Tend. /+3.9mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer AGM	

0700	1300	1900
Clds. 10/10 Ns, Cb, St	Clds. Ns 10/10 St	Clds. Ns 10/10
Wx RA/PL/SN	Wx Overcast	Wx Light Snow
Vis. ~2 mi.	Vis. ~8 mi.	Vis. 6.3 mi.

$\overline{T} = 36°$

$HDD = 29$

$\Sigma HDD = 96$

$T_{DAVIS} = 37°/33°$

$T_{UNV} = 37°/32°$

$T_{KPSU} = 42°/M$

$T_w = 35.5°$

$T_D = 33°$

$\Sigma PCN_L = 0.45"$

$\Sigma PCN_S = 0.8"$

(2-day total) $PCN_{62} = 0.46"$

$\Sigma PCN_{62} = 0.46"$

Tuesday December 4, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 39 °F	Dir. W	Temp 72 °F	-RA 0700-0728 FEW-/L-SN -SN 0850-1013 -SN 1239-1338 -SN 1506-1553 -SN 1644-1808 -SN 1904-0520
Min. 23 °F	Vel. 23 m.p.h.	Read. 28.94 in.	
Set 25 °F	Char. Gusty	Corr. 29.73 in.	

	0700	1300	1900
R.H. 61 %	Clds. 8/10 Cu	Clds. 10/10 Sc, Ns	Clds. 10/10 St Ns
Ppn. Liq. 0.05 in.	Wx Windy	Wx -SH SN Blustery, cloudy	Wx Gusty.
Ppn. Sol. 1.0 in.	Vis. 25 mi.	Vis. ~20 mi.	Vis. ~18 mi.

Snow Depth 1 in.

Prev. Dir.

24 hr. Mov. — mi.

Sea L. 29.92 in.

3 hr. Tend. —±0 mb

Observer NK

$\bar{T}$= 31

HDD= 34

CDD=0

ΣHDD= 130

ΣCDD=0

ΣPCN$_L$= 0.50"

ΣPCN$_S$= 1.8"

T$_{Davis}$=25/17

T$_{UNV}$= 25/16

Gauged= 0.05"

ΣGauged=0.51"

Wednesday December 5, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 30 °F	Dir. WSW	Temp 72 °F	0740-1520LT: -SN 2200-2320LT: -SN		
Min. 20 °F	Vel. 0 m.p.h.	Read. 28.56 in.			
Set 22 °F	Char. Calm	Corr. 28.44 in.	0700	1300	1900
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 29.86 in.	Clds. St 10/10	Clds. 10/10 Ns	Clds. St 10/0 Ns
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. \-1.3 mb	Wx Overcast	Wx -SN	Wx Light Snow
Ppn. Sol. T in.	Snow Depth T in.	Observer JMZ	Vis. 25 mi.	Vis. ~2 mi.	Vis. ~3 mi.

$\bar{T} = 25$

$HDD = 40$

$\Sigma HDD = 170$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} = 22/15$

$T_{UNV} = 21/14$

$T_W = -$

$T_D = 15$

$\Sigma PCN_L = 0.50''$

$\Sigma PCN_S = 1.5''$

$PCN_{G2} = T$

$\Sigma PCN_{G2} = 0.51''$

Thursday December 6, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 26 °F	Dir. W	Temp 72 °F	0840 - 1822 -SN 2042 - 2102 -SN		
Min. 11 °F	Vel. 3 m.p.h.	Read. 29.00 in.			
Set 12 °F	Char. light	Corr. 28.88 in.			
R.H. 87 %	24 hr. Mov. — mi.	Sea L. 30.36 in.	0700 Clds. 0/10	1300 Clds. 8/10 Cu, Ci	1900 Clds. 6/10 Cu Ci
Ppn. Liq. 0.15 in.	Prev. Dir. —	3 hr. Tend. +2.2 mb	Wx clear	Wx P. Cloudy	Wx PCloudy
Ppn. Sol. 2.2 in.	Snow Depth 2 in.	Observer PV	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 19$

$HDD = 46$

$\Sigma HDD = 216$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} = 15/9$

$T_{UNV} = 12/7$

$T_W = -$

$T_D = 9$

$\Sigma PCN_L = 0.65"$

$\Sigma PCN_S = 4.0"$

$PCN_{62} = 0.14"$

$\Sigma PCN_{62} = 0.65"$

Friday 7 December 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 29 °F	Dir. SW	Temp 72 °F			
Min. 12 * °F	Vel. 2 m.p.h.	Read. 29.04 in.	* Overnight Low = 18°		
Set 24 °F	Char. light	Corr. 28.91 in.	0700	1300	1900
R.H. 65 %	24 hr. Mov. — mi.	Sea L. 30.35 in.	Clds. 10/10 Ns st	Clds. 10/10 Ns	Clds.
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. —±0 mb	Wx Overcast	Wx Light Snow	Wx
Ppn. Sol. 0.0 in.	Snow Depth 1 in.	Observer JMZ	Vis. ~7 mi.	Vis. 5 mi.	Vis. mi.

$\bar{T} = 26$

$HDD = 49$

$\Sigma HDD = 260$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} = 24/15$

$T_{UNV} = N/A$

$T_W = -$

$T_D = 15$

$\Sigma PCN_L = 0.65''$

$\Sigma PCN_S = 4.0''$

$PCN_{62} = 0.00''$

$\Sigma PCN_{62} = 0.65''$

Saturday 8 December 2007 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 35 °F	Dir. —	Temp 74 °F	0745-0900 LT : -SHSN 1115-1415 LT : -SHSN		
Min. 24* °F	Vel. 0 m.p.h.	Read. 29.03 in.			
Set 35 °F	Char. calm	Corr. 28.91 in.	*Temps increased overnight		
			0700	1300	1900
R.H. 90 %	24 hr. Mov. mi.	Sea L. 30.32 in.	Clds. 10/10 St	Clds.	Clds. 2/10 Cc
Ppn. Liq. 0.03 in.	Prev. Dir.	3 hr. Tend. ↑0.5 mb	Wx overcast	Wx	Wx m.clear
Ppn. Sol. 0.2 in.	Snow Depth 1 in.	Observer JCT	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}$: 30

HDD: 35

ΣHDD: 295

ΣCDD: 0

T_{OAHS}: 34/32

T_{HW}: 34/30

T_d: 32

ΣPCN_L: 0.68"

ΣPCN_S: 4.2"

PCN_{G_0}: 0.01"

ΣPCN_{G_e}: 0.66"

Sunday, 9 December, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. —	Temp 73 °F	0430-0630LT: OCNL-PL/-FZDL/-SN/-DZ		
Min. 31 °F	Vel. 0 m.p.h.	Read. 29.20 in.			
Set 32 °F	Char. calm	Corr. 29.08 in.	* Mountain ridges essentially obscured by low cloud base.		
			0700	1300	1900
R.H. 89 %	24 hr. Mov. — mi.	Sea L. 30.50 in.	Clds. 10/10 St, Ns	Clds.	Clds. 10/10 Ns
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. —+0.0 mb	Wx Dullskies*	Wx	Wx -DZ/--RA
Ppn. Sol. T in.	Snow Depth T in.	Observer AGM	Vis. ~4 mi.	Vis. mi.	Vis. ~3.5 mi.

$\bar{T} = 35°$
HDD = 30
ΣHDD = 325

$T_{DAVIS} = 33°/29.5°$
$T_{UNV} = 32°/30°$
$T_{KPSU} = M/M$

$T_W = N/A$
$T_D = 29.5°$

$\Sigma PCN_L = 0.69"$
$\Sigma PCN_S = 4.2"$

$PCN_{GZ} = 0.02"$
$\Sigma PCN_{GZ} = 0.68"$

Monday, 10 December, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 35 °F	Dir. WSW	Temp 73 °F	0830-1830LT: -RA/OCNL RA 1830-2345LT: -RA/DZ/OCNL RA 1445-0530LT: -RA/-DZ		
Min. 32* °F	Vel. 1 m.p.h.	Read. 29.02 in.			
Set 35 °F	Char. ~calm	Corr. 28.90 in.	* Overnight low = 34°		
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.29 in.	0700	1300	1900
Ppn. Liq. 0.47 in.	Prev. Dir. —	3 hr. Tend. ↓ +0.7 mb	Clds. 10/10 St, Ns Wx Overcast, Foggy	Clds. 10/10 St Wx Overcast	Clds. 10/10 St Wx Cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. ~0.75 mi.	Vis. ~12 mi.	Vis. ~15 mi.

$\overline{T}$ = 34

HDD = 31

ΣHDD = 356

T_{DAVIS} = 35°/35°

T_{UMV} = 34°/34°

T_{KPSU} = M/M

T_W = 35°

T_D = 35°

ΣPCN_L = 1.16"

ΣPCN_S = 4.2"

PCN_{GZ} = 0.48"

ΣPCN_{GZ} = 1.16"

Tuesday December 11, 2007

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. —	Temp 74 °F	-SHRA ~1445 LT		
Min. 35 °F	Vel. 0 m.p.h.	Read. 29.62 in.			
Set 35 °F	Char. Calm	Corr. 29.50 in.			
			0700	1300	1900
R.H. 95 %	24 hr. Mov. — mi.	Sea L. 30.61 in.	Clds. St 10/10	Clds. 10/10 St, Ns	Clds. 10/10
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. — ±0 mb	Wx Cloudy, Fog	Wx Foggy, overcast	Wx Overcast
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer NK	Vis. 3.5 mi.	Vis. ~2 mi.	Vis. 20 mi.

$T = 38$
$HDD = 27$
$CDD = 0$
$\Sigma HDD = 383$
$\Sigma CDD = 0$
$\Sigma PCN_L = 1.16''$
$\Sigma PCN_S = 4.2''$

$T_{Davis} = 36/35$
$T_{UNV} = 32/32$

$T_w = 35$
$T_d = 35$

Gauge $\Delta = 0.00''$
Σ Gauged $= 1.16''$

Wednesday 12 December 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 64 * °F	Dir. NW	Temp 76 °F	1320-1520LT: -SHRA, occ -dz, RA 0440-0700: -dz, -SHRA * Overnight Low = 45 * Overnight Max = 64		
Min. 35 * °F	Vel. 3 m.p.h.	Read. 28.83 in.			
Set 45 °F	Char. light	Corr. 28.69 in.			
			0700	1300	1900
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.05 in.	Clds. SC NS 9/10	Clds. ~10/10 SC	Clds. SC 10/10
Ppn. Liq. 0.10 in.	Prev. Dir. —	3 hr. Tend. — +3.1 mb	Wx Light Drizzle	Wx Sun trying to break thru	Wx Cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer JMZ	Vis. 10 mi.	Vis. 25 mi.	Vis. 25 mi.

$T = 50$

$HDD = 15$

$\Sigma HDD = 398$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} = 46/43$

$T_{UNV} = 45/43$

$T_W = 44$

$T_D = 43$

$\Sigma PCN_L = 1.26''$

$\Sigma PCN_S = 4.2''$

$PCN_{62} = 0.11$

$\Sigma PCN_{62} = 1.27''$

Thursday December 13, 2007

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 47 °F	Dir. —	Temp 72 °F	-RA 0722-0842 -FZRA 0442-0645 -SN-PL 0645-05		
Min. 30 °F	Vel. 0 m.p.h.	Read. 29.24 in.			
Set 30 °F	Char. Calm	Corr. 29.12 in.			
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.18 in.	0700	1300	1900
Ppn. Liq. 0.08 in.	Prev. Dir. ←	3 hr. Tend. 4-4 mb	Clds. Ns 10/10	Clds. 10/10 Ns	Clds. Ns 10/10 St
Ppn. Sol. 0.1 in.	Snow Depth T in.	Observer MK	Wx Light Snow/ sleet	Wx -PL/-FZRA	Wx Overcast
			Vis. ~.25 mi.	Vis. ~12 mi.	Vis. ~8 mi.

F = 39
HDD = 26
CDD = 0
ΣHDD = 424
ΣCDD = 0
ΣPCN$_L$ = 1.34"
ΣPCN$_6$ = 4.3"

T$_{Davis}$ = 30/25
T$_{UNV}$ = 30/23

T$_w$ = —
T$_d$ = —

Gauged = 0.08
ΣGauged = 1.35"

Friday December 14 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. W	Temp 74 °F	0700-0830LT: -SNPL 0830-1830: occl-SN, occl-fzRA, dz		
Min. 29* °F	Vel. 9 m.p.h.	Read. 28.93 in.	*overnight Low = 32		
Set 35 °F	Char. Breezy	Corr. 28.80 in.	0700	1300	1900
R.H. 70 %	24 hr. Mov. — mi.	Sea L. 30.21 in.	Clds. SC 10/10 St	Clds.	Clds. 10/10 St
Ppn. Liq. 0.47 in.	Prev. Dir. —	3 hr. Tend. /+2.5mb	Wx Overcast	Wx	Wx overcast
Ppn. Sol. 1.2 in.	Snow Depth 1 in.	Observer JMZ	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 35$

$CDD = 0$

$\Sigma CDD = 0$

$HDD = 30$

$\Sigma HDD = 454$

$T_{DAVIS} = {}^{35}/_{28}$

$T_{UNV} = {}^{34}/_{25}$

$T_W = -$

$T_D = 28$

$\Sigma PCN_L = 1.81"$

$\Sigma PCN_S = 5.5"$

$PCN_{GL} = 0.61"$ (Σ 2 days)

$\Sigma PCN_{GL} = 1.96"$

Saturday December 15 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. N	Temp 73 °F	1000-2100 LT : -SHSN *		
Min. 25 °F	Vel. 2 m.p.h.	Read. 29.20 in.	*intermittent snow flurries throughout the day into evening		
Set 25 °F	Char. light	Corr. 29.08 in.	0700	1300	1900
R.H. 70 %	24 hr. Mov. — mi.	Sea L. 30.53 in.	Clds. Ac 9/10 As	Clds.	Clds. 10/10
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +1.2 mb	Wx m. cloudy	Wx	Wx Light Snow Sleet
Ppn. Sol. T in.	Snow Depth T in.	Observer JLT	Vis. 25 mi.	Vis. mi.	Vis. 2 mi.

$\overline{T}$: 31

HDD: 34

ΣHDD: 488

ΣCDD: 0

T_{DAVIS}: 26/17

T_{UNV}: 23/16

T_w: —

T_J: 17

ΣPCN_L: 1.81"

ΣPCN_S: 5.5"

PCN_{60}: T

ΣPCN_{67}: 1.96"

Sunday, 16 December, 2007 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 34 °F	Dir. E	Temp 73 °F	-SN/--SN: 1750-1850LT -SN (ocnl): 1850-2130LT -PL: 2130-2340 LT -PL/-FZRA: 2340-510LT, ocnl>400LT ocnl -RA/-DZ: 0540LT-OBS		
Min. 22* °F	Vel. 3 m.p.h.	Read. 28.31 in.			
Set 33 °F	Char. light	Corr. 28.19 in.	*Overnight low = 27°		
			0700	1300	1900
R.H. 96 %	24 hr. Mov. — mi.	Sea L. 29.57 in.	Clds. 10/10 Ns, St	Clds.	Clds. 10/10 St, Ns
Ppn. Liq. 0.48 in.	Prev. Dir. —	3 hr. Tend. \-5.0 mb	Wx --RA/-DZ	Wx	Wx Blustery, -SH SN
Ppn. Sol. 1.2 in.	Snow Depth 1 in.	Observer AGM	Vis. ~3 mi.	Vis. mi.	Vis. ~15 mi.

$\bar{T} = 28°$

$HDD = 37$

$\Sigma HDD = 525$

$\Sigma PCN_L = 2.29''$

$\Sigma PCN_S = 6.7''$

$T_{DAVIS} = 33.5°/31.5°$

$T_{UNV} = 32°/30°$

$T_{KPSU} = M/M$

$T_w = 32°$

$T_o = 31.5°$

$PCN_{GZ} = *$

$\Sigma PCN_{GZ} = *$

Monday, 17 December, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 36 °F	Dir. NW	Temp 73 °F	-RA/-DZ: 085-0710LT -PL/OCNL mixing with -RA 0710-0920LT -SN: 0920-1145 LT -SH SNS/OCNL SH SN: 1540-1840LT, 2030-2345LT, & 350-450LT † 21.6 mb rise since 1300LT *
Min. 23 °F	Vel. * 12G19 m.p.h.	Read. † 28.74 in.	
Set 25 °F	Char. breezy	Corr. 28.62 in.	

	0700	1300	1900
R.H. 60 %	Clds. 4/10 Sc, St	Clds. 10/10 Ns St	Clds. 10/10 Ns, Sc
Ppn. Liq. 0.15 in.	Wx Blustery yet mostly clear	Wx Light Snow	Wx Light Snow
Ppn. Sol. 0.7 in.	Vis. 25 mi.	Vis. ~8 mi.	Vis. ~10 mi.
Snow Depth 1 in.			
Observer AGM			

$\bar{T} = 30°$

$HDD = 35$

$\Sigma HDD = 560$

$T_{DAVIS} = 25°/13°$

$T_{UNV} = 25°/10°$

$T_{KPSU} = M/M$

$T_W = M$

$T_D = 13°$

$\Sigma PCN_L = 2.44"$

$\Sigma PCN_S = 7.4"$

$PCN_{LTB} = 2.23"_{MA}$

(2-day total) $PCN_{GZ} = 0.57"$

$\Sigma PCN_{GZ} = 2.53"$

Tuesday December 18, 2007

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 29 °F	Dir. SW	Temp 73 °F	-SN 0900-1620		
Min. 18 °F	Vel. 1 m.p.h.	Read. 29.24 in.			
Set 19 °F	Char. Light	Corr. 29.12 in.			
			0700	1300	1900
R.H. 78 %	24 hr. Mov. — mi.	Sea L. 30.25 in.	Clds. Cs 10 St	Clds. Ci 3/10 Cont.	Clds. Ci 4/10 Cu
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. — ±0 mb	Wx Partly Sunny	Wx M.Sunny	Wx P.Cloudy
Ppn. Sol. 0.4 in.	Snow Depth 1 in.	Observer NK	Vis. ~20 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 20$

HDD = 41

CDD = 0

ΣHDD = 601

ΣCDD = 0

$\Sigma PCW_L = 2.45''$

$\Sigma PCW_S = 7.8''$

$T_{Davis} = 10/15$

$T_{UNV} = 18/14$

Gauged = 0.01''

ΣGauged = 2.54''

Wednesday 19 December 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. S	Temp 73 °F			
Min. 19* °F	Vel. 3 m.p.h.	Read. 28.91 in.	*overnight Low = 31		
Set 33 °F	Char. light	Corr. 28.78 in.	0700	1300	1900
R.H. 60 %	24 hr. Mov. — mi.	Sea L. 30.19 in.	Clds. St 10/10 Ns	Clds. 10/10 Ns	Clds. St 8/10
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. \ -0.5 mb	Wx Overcast	Wx --SN	Wx Cloudy
Ppn. Sol. 0.0 in.	Snow Depth 1 in.	Observer JMZ	Vis. ~17 mi.	Vis. ~13 mi.	Vis. ~20 mi.

$\bar{T} = 29$

$T_{DAVIS} = {}^{33}/_{20}$

$T_W = -$

$HDD = 36$

$\Sigma HDD = 637$

$T_{UNV} = {}^{32}/_{19}$

$T_D = 20^{\circ}$

$CDD = 0$

$\Sigma CDD = 0$

$\Sigma PCN_L = 2.45''$

$\Sigma PCN_S = 7.8''$

$PCN_{62} = 0.00''$

$\Sigma PCN_{62} = 2.54''$

Thursday December 20, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. W	Temp 73 °F	-SN 1030-1400 -SG 1400-1830		
Min. 30 °F	Vel. 6 m.p.h.	Read. 29.28 in.			
Set 32 °F	Char. Light	Corr. 29.16 in.	0700	1300	1900
R.H. 71 %	24 hr. Mov. — mi.	Sea L. 30.27 in.	Clds. St 10/10	Clds. 9/10 Sc, Cu	Clds. Cu 8/10 Sc
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. / +2 mb	Wx Cloudy	Wx Mostly cloudy	Wx M. Cloudy
Ppn. Sol. 0.2 in.	Snow Depth 1 in.	Observer AK	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 34$
HDD = 31
CDD = 0
ΣHDD = 668
ΣCDD = 0
ΣPCN$_L$ = 2.46"
ΣPCN$_S$ = 8.0"

T_{Davis} = 32/26
T_{UNV} = 32/25

σ_{gauge} = 0.01
$\Sigma\sigma_{gauge}$ = 2.55"

Friday 21 December 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. E	Temp 73 °F			
Min. 28 °F	Vel. 0 m.p.h.	Read. 29.09 in.			
Set 28 °F	Char. Calm	Corr. 28.96 in.	0700	1300	1900
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 30.39 in.	Clds. 3/10 Ci	Clds. 4/10 Cu	Clds. 9/10 St Sc
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +0.8 mb	Wx m. clear	Wx P. Cloudy	Wx m. cloudy
Ppn. Sol. 0.0 in.	Snow Depth 1 in.	Observer ADB	Vis. 22 mi.	Vis. 25 mi.	Vis. 10 mi.

$\bar{T}$: 33

HDD: 32

ΣHDD: 700

CDD: 0

ΣCDD: 0

ΣPCN_L: 2.46"

ΣPCN_S: 8.0"

T_{DAUIS}: 30/25

T_{UNV}: 30/23

T_{WI}: —

Td: 24

PCN_{62}: 0.00"

ΣPCN_{62}: 2.55"

Saturday 22 December 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. SSE	Temp 73 °F	0600-0610 LT : -SHRA		
Min. 28* °F	Vel. 1 m.p.h.	Read. 29.23 in.			
Set 35 °F	Char. light	Corr. 29.11 in.	*overnight low = 35°		
			0700	1300	1900
R.H. 97 %	24 hr. Mov. — mi.	Sea L. 30.53 in.	Clds. St 10/10	Clds.	Clds. St 10/10
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +0.8 mb	Wx overcast	Wx	Wx Overcast
Ppn. Sol. 0.0 in.	Snow Depth T in.	Observer JCT	Vis. 3 mi.	Vis. mi.	Vis. 17 mi.

$\bar{T}$: 33

HDD: 32

ΣHDD: 732

ΣCDD: 0

$\bar{T}_{DAVS}$: 35/35

$\bar{T}_{UMV}$: 34/32

$\bar{T}_W$: —

$\bar{T}_J$: 35

ΣPCN_L: 2.46"

ΣPCN_S: 8.0"

PCN_{62}: 0.01"

ΣPCN_{62}: 2.56"

Sunday 23 December 2007 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 41 °F	Dir. NNW	Temp 73 °F	0630-0700 LT : -dz.		
Min. 35 °F	Vel. 5 m.p.h.	Read. 28.88 in.	Overnight Low = 36°		
Set 41 °F	Char. Breezy	Corr. 28.75 in.	Overnight Max = 41°		
			0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.14 in.	Clds. 10/10 Ns St	Clds.	Clds. 8/10 St.
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. \-3.5 mb	Wx Light drizzle	Wx	Wx Breezy Mostly clear
Ppn. Sol. 0.0 in.	Snow Depth T in.	Observer JMZ	Vis. 4 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 38$

$HDD = 27$

$\Sigma HDD = 759$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} = 41/41$

$T_{UNV} = 41/39$

$T_W = 41$

$T_D = 41$

$\Sigma PCN_C = 2.46"$

$\Sigma PCN_S = 8.0"$

$PCN_{62} = T$

$\Sigma PCN_{62} = 2.56"$

Monday 24 December 2007 | 0700 EST | Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 51 °F	Dir. WSW	Temp 72 °F	1200-1440 : -RA 1620-1940 : +RA		
Min. 32 °F	Vel. 12 m.p.h.	Read. 28.71 in.			
Set 32 °F	Char. Windy	Corr. 28.58 in.	0700	1300	1900
R.H. 51 %	24 hr. Mov. — mi.	Sea L. 29.97 in.	Clds. 2/10 Ci	Clds.	Clds. 6/10 Cs
Ppn. Liq. 1.02 in.	Prev. Dir.	3 hr. Tend. -1 mb	Wx Breezy	Wx	Wx Nice
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer PMV	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 42$

$HDD = 23$

$\Sigma HDD = 782$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} = 32/15$

$T_{UNV} = 32/16$

$T_W = -$

$T_0 = 15$

$\Sigma PCN_L = 3.48''$

$\Sigma PCN_S = 8.0''$

$PCN_{62} = 1.22''$

$\Sigma PCN_{62} = 3.78''$

TUESDAY 25 DECEMBER 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. SW	Temp 72 °F			
Min. 30 °F	Vel. 3 m.p.h.	Read. 29.04 in.			
Set 33 °F	Char. LIGHT	Corr. 28.91 in.	0700	1300	1900
R.H. 72 %	24 hr. Mov. – mi.	Sea L. 30.32 in.	Clds. 7/0 Sc	Clds.	Clds. CLR
Ppn. Liq. 0.00 in.	Prev. Dir. –	3 hr. Tend. +1.5 mb	Wx MEEK	Wx	Wx MILD
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer WJS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 34$

$HDD = 31$

$\Sigma HDD = 813$

$\Sigma PCN_L = 3.48"$

$\Sigma PCN_S = 8.0"$

$T_{DMS} = 33/25$

$T_{UW} = 32/23$

$T_W = -$

$T_D = 25$

$PCN_{DL} = 0.22$

$\Sigma PCN_{DL} = 3.70"$

WEDNESDAY 26 DECEMBER 2007

Meteorological Observatory
Univeristy Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 41 °F	Dir. NNE	Temp 71 °F			
Min. 25 °F	Vel. 2 m.p.h.	Read. 29.01 in.			
Set 26 °F	Char. LIGHT	Corr. 28.89 in.			
			0700	1300	1900
R.H. 88 %	24 hr. Mov. — mi.	Sea L. 30.32 in.	Clds. 8/10 Cs As, St	Clds. 9/10 Cs As	Clds. 9/10 As Ci
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. \-0.5 mb	Wx	Wx M. Cloudy	Wx M. Cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer LWS	Vis. 25 mi.	Vis. 22 mi.	Vis. 20 mi.

$\bar{F} = 33$

$HDD = 32$

$\Sigma HDD = 845$

$\Sigma PCN_L = 3.48"$

$\Sigma PCN_S = 8.0"$

$T_{DNS} = 27/24$

$T_{UW} = 23/23$

$T_W = -$

$T_O = 24$

$PCN_{62} = 0.00$

$\Sigma PCN_{62} = 3.78"$

Thursday 27 December 2007 — 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 35 °F	Dir. calm	Temp 71 °F			
Min. * 26 °F	Vel. — m.p.h.	Read. 28.90 in.			
Set 35 °F	Char. calm	Corr. 28.78 in.	*Overnight low: 28°F		
			0700	1300	1900
R.H. 87 %	24 hr. Mov. — mi.	Sea L. 30.18 in.	Clds. 10/10 St	Clds. 10/10 Ns	Clds. 10/10 St
Ppn. Liq. 0.00 in.	Prev. Dir. ~	3 hr. Tend. ~ -1 mb	Wx Overcast	Wx Drizzle	Wx Overcast
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer PMV	Vis. 22 mi.	Vis. 17 mi.	Vis. 17 mi.

$\bar{T} = 31$

$T_{DAVIS} = 34/31$

$T_{WW} = 32/28$

$T_w = -$

$T_0 = 31$

HDD = 34

ΣHDD = 879

CDD = 0

Σ(DD) = 0

$\Sigma PCN_L = 3.48''$

$\Sigma PCN_S = 8.0''$

$PCN_{62} = 0.00$

$\Sigma PCN_{62} = 3.78''$

Friday 28 December 2007 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 41 °F	Dir. W	Temp 72 °F	0915-0945 LT: -SHSN 1000-1330 LT: -SHRA, occl -dz		
Min. 32* °F	Vel. 5 m.p.h.	Read. 29.07 in.	*Overnight Low = 36°F		
Set 37 °F	Char. Variable	Corr. 28.94 in.	0700	1300	1900
R.H. 70 %	24 hr. Mov. — mi.	Sea L. 30.34 in.	Clds. Sc 7/10 Cu	Clds.	Clds. 10/10 Ns
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. / +1.2 mb	Wx P. Cloudy	Wx	Wx Light Rain
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JMZ	Vis. 25 mi.	Vis. mi.	Vis. 8 mi.

$\bar{T} = 37$

$T_{DAVIS} = {}^{37}/_{28}$

$T_W = -$

$HDD = 28$

$T_{UNV} = {}^{36}/_{25}$

$T_D = 28$

$\Sigma HDD = 907$

$CDD = 0$

$\Sigma CDD = 0$

$\Sigma PCN_L = 3.49''$

$\Sigma PCN_S = 8.0''$

$PCN_{G2} = 0.01''$

$\Sigma PCN_{G2} = 3.79''$

Saturday 29 December 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 44 °F	Dir. WSW	Temp 72 °F	18:21-23:01 ; RA
Min. 34* °F	Vel. 13 m.p.h.	Read. 28.72 in.	01:41-03:41 : -RA
Set 42 °F	Char. Breezy	Corr. 28.59 in.	Overnight Low: 38°
R.H. 85 %	24 hr. Mov. / mi.	Sea L. 29.96 in.	
Ppn. Liq. 0.37 in.	Prev. Dir. /	3 hr. Tend. +2 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer PMV	

0700	1300	1900
Clds. 6/10 Sc	Clds.	Clds. 8/10 Sc
Wx P. Cloudy	Wx	Wx M. Cloudy
Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 39$

$HDD = 26$

$\Sigma HDD = 933$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} = 42/36$

$T_{UNV} = 41/34$

$T_w = 42°$

$T_D = 38°$

$\Sigma PCN_L = 3.86"$

$\Sigma PCN_S = 8.0"$

$PCN_{62} = 0.40"$

$\Sigma PCN_{62} = 4.19"$

Sunday 30 December 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 44 °F	Dir. —	Temp 72 °F			
Min. 29 °F	Vel. 0 m.p.h.	Read. 28.99 in.			
Set 29 °F	Char. Calm	Corr. 28.86 in.	0700	1300	1900
R.H. 85 %	24 hr. Mov. / mi.	Sea L. 30.29 in.	Clds. 1/10 Ci	Clds.	Clds. 10/10 NS St
Ppn. Liq. 0.00 in.	Prev. Dir. /	3 hr. Tend. — 0 mb	Wx Clear	Wx	Wx Mist
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer PMV	Vis. 25 mi.	Vis. mi.	Vis. 4 mi.

$\overline{T} = 37$

$HDD = 28$

$\Sigma HDD = 961$

$CDD = 0$

$\Sigma CDD = 0$

$T_{Dmax} = 30/25$

$T_{Dmin} = 28/23$

$T_w = —$

$T_D = 25$

$\Sigma PCN_L = 3.86''$

$\Sigma PCN_S = 8.0''$

$PCN_{62} = 0.00''$

$\Sigma PCN_{62} = 9.19''$

Monday 31 December 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 36 °F	Dir. W	Temp 72 °F	@2BO - 1710 LT : - SHSN 2100 - 0200 LT : - SHSN *Overnight Low = 30°		
Min. 26* °F	Vel. 9 m.p.h.	Read. 28.74 in.			
Set 34 °F	Char. Gusty	Corr. 28.62 in.	0700	1300	1900
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.01 in.	Clds. ST 10/10	Clds.	Clds. 0/10
Ppn. Liq. 0.20 in.	Prev. Dir. —	3 hr. Tend. /+1.5 mb	Wx Overcast	Wx	Wx Clear
Ppn. Sol. 2.4 in.	Snow Depth 2 in.	Observer JMZ	Vis. 15 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 31$

$HDD = 34$

$\Sigma HDD = 995$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} = {}^{34}/_{28}$

$T_{UNV} = {}^{32}/_{25}$

$T_W = -$

$T_D = 28$

DEC. TEMPS	2007 TEMPS
$\bar{T}_{MAX} = 38.7$	$\bar{T}_{MAX} = 60.2$
$\bar{T}_{MIN} = 26.4$	$\bar{T}_{MIN} = 41.9$
$\bar{T}_{DEC} = 32.56$	$\bar{T}_{2007} = 51.07$

$\Sigma PCN_L = 4.06"$

$\Sigma PCN_S = 10.4"$

$PCN_{62} = 0.20"$

$\Sigma PCN_{62} = 4.39"$