Monday January 1, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 43 °F	Dir. SSE	Temp 77 °F	FEW BINOVC (LOW) AT OBS INTMITTENT RAIN/DRIZ BLW 1900 - 2200 LT (3.17) R/R- 2200 - 0140 LT R/R-DZ 0140 - 0440 LT SCUD ON RIDGES AT OBS		* CHANGE LOW 37
Min. 30 °F	Vel. 3 m.p.h.	Read. 28.86 in.			
Set 41 °F	Char. -	Corr. 28.73 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. - mi.	Sea L. 30.11 in.	Clds. 10/10 St	Clds.	Clds. 10/10 CU
Ppn. Liq. 0.26 in.	Prev. Dir. -	3 hr. Tend. -0.2 mb	Wx CLOUDY	Wx	Wx BLWNPRCST -FG
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer FJG	Vis. 40 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 37$

$T_{DAVIS} = 41/41$

$T_{JNV} = 41/41$

$T_w = 41$

$T_d = 41$

$HDD = 28$

$CDD = 0$

$\Sigma HDD = 28$

$\Sigma CDD = 0$

$\Sigma PCN_L = 0.26"$

$\Sigma PCN_S = 0.0$

$CMEZ = 0.30"$

$\Sigma G_2 = 0.30"$

Tuesday, 2 January, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 51 °F	Dir. NW	Temp 74 °F	OBS-1130LT: Fog/-BR, visibility ranging from 0.5 to 3.5 miles. 2100/2230LT: OCNL -DZ/-RA 250-315LT: -RA SH		
Min. 34 °F	Vel. 8&18 m.p.h.	Read. 28.99 in.			
Set 34 °F	Char. breezy	Corr. 28.87 in.			
			0700	1300	1900
R.H. 69 %	24 hr. Mov. — mi.	Sea L. 30.26 in.	Clds. 2/10 Cu, Sc	Clds. 3/10 Sc	Clds. O/W
Ppn. Liq. Trace in.	Prev. Dir. —	3 hr. Tend. / +5.6 mb	Wx Mostly clear	Wx	Wx Clear
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 43°$

HDD = 22

$\Sigma HDD = 50$

$T_{DAVIS} = 34.5°/25°$

$T_{LMNY} = 34°/25°$

$T_{KPSK} = 34°/M$

$T_w = M$

$T_D = 25°$

$\Sigma PCN_L = 0.26"$

$\Sigma PCN_S = 0.0"$

PCN_{QZ} ° T

$\Sigma PCN_{QZ} = 0.30"$

Wednesday January 3, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. W	Temp 72 °F			
Min. 27 °F	Vel. 2 m.p.h.	Read. 29.10 in.			
Set 29 °F	Char. Light & Variable	Corr. 29.05 in.	0700	1300	1900
R.H. 81 %	24 hr. Mov. — mi.	Sea L. 30.36 in.	Clds. 7/10 AC	Clds.	Clds. OS 5/10 Cirrus AC
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -0.2 mb	Wx P. Cloudy -FG	Wx	Wx P. Cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer [illegible]	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}=35$

$T_{DRIVES}=29/24$

$T_{UNV}=28/23$

$T_W=NA$

$T_D=24$ *

$HOD=\cancel{30}\ 80$

$ODD=0$

$\Sigma HOD=80$

$\Sigma CDD=0$

$\Sigma PCN_L=0.26"$

$\Sigma PCN_S=0.0"$

G2: 0.00"

Σ G2: 0.30"

THURSDAY 4 JANUARY 2007

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 53 °F	Dir. –	Temp 72 °F			
Min. 29 * °F	Vel. 0 m.p.h.	Read 28.97 in.			
Set 31 °F	Char. CALM	Corr. 28.84 in.	* OVNT LOW 30		
R.H. 72 %	24 hr. Mov. – mi.	Sea L. 30.26 in.	0700	1300	1900
Ppn. Liq. 0.00 in.	Prev. Dir. –	3 hr. Tend. -0.3 mb	Clds. 10/10 Cc, Cs, As	Clds.	Clds. 7/10 Ac As
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer WJS	Wx BINOVC	Wx	Wx M. Cloudy
			Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 41$

$HDD = 24$

$\Sigma HDD = 104$

$\Sigma PCN_L = 0.26$

$\Sigma PCN_S = 0.0$

$T_{DAYS} = 38/26$ (!)

$T_{DNN} = 32/23$

$\bar{T}_W = M$

$T_D = 23$

$G_2 = 0.00"$

$\Sigma G_2 = 0.30"$

FRIDAY 5 JANUARY 2007

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 58 °F	Dir. SSW	Temp 73 °F	-SHRA ~1630 LT -RA 0300 - 0635		
Min. 31 * °F	Vel. 7 m.p.h.	Read. 28.73 in.			
Set 52 °F	Char. GUSTY	Corr. 28.60 in.	*OVNT LOW 50		
			0700	1300	1900
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 29.95 in.	Clds. 10/10 NS	Clds. 10/10 NS	Clds. 10/10 NS
Ppn. Liq. 0.14 in.	Prev. Dir. —	3 hr. Tend. L-0.7 mb	Wx -RA	Wx -RA	Wx -RA -FG (SPRINKLES)
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer WJS	Vis. 7 mi.	Vis. 7 mi.	Vis. 25 mi.

$\bar{T} = 45$ $T_{DMS} = 52/50$ $T_w = 50$

$HDD = 20$ $T_{WW} = 50/50$ $T_b = 47$

$\Sigma HDD = 124$

$\Sigma PCN_L = 0.40"$

$\Sigma PCN_S = 0.0$

$C_2 = 0.15"$

$\Sigma C_2 = 0.45"$

Saturday January 6, 2007
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. Δ 60 °F	Dir. W	Temp 75 °F	-SHRA 0700 - 1700 LT -SHRA OCCL 1800 - 2000 LT -SHRA 2200 - 0300 LT		
Min. 52*□ °F	Vel. 13 m.p.h.	Read. 28.59 in.	□ REC. MAX MIN (old = 50, 1946)		
Set 58 °F	Char. GUSTY	Corr. 28.46 in.	0700	1300	1900
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 29.74 in.	Clds. 10/10 AS	Clds.	Clds. 9/10 AC
Ppn. Liq. 0.36 in.	Prev. Dir. —	3 hr. Tend. -±0.0 mb	Wx BKN OVRCST	Wx	Wx M-Cloudy Gusty
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer CJP	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

Δ ties record high Jan. 1946
* overnight low = 58°F

$\bar{T} = 56$

$HDD = 9$

$CDD = 0$

$\Sigma HDD = 133$

$\Sigma CDD = 0$

$\Sigma PCN_L = 0.76''$

$\Sigma PCN_S = 0.0''$

$T_{DAILS} = 59/55$

$T_{UNV} = 57/55$

$T_W = 56$

$T_D = 55$

$G2 = 0.40''$

$\Sigma G2 = 0.85$

Sunday January 7, 2007
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 59 °F	Dir. —	Temp 73 °F	-SHDZ 0720-0740 LT +SHRA 0920-0940 LT -SHRA 1540-1600 LT		
Min. 32 °F	Vel. 0 m.p.h.	Read. 29.18 in.			
Set 32 °F	Char. Calm	Corr. 29.05 in.	0700	1300	1900
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.30 in.	Clds. 2/10 Ac cornmil	Clds. 10/10 Cs	Clds. 10/10 NS
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. ↗+0.5 mb	Wx M. clear Frosty	Wx	Wx SHRA +FG
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer OP	Vis. 25 mi.	Vis. 25 mi.	Vis. 35 mi.

$\overline{T}$=46

HDD=
CDD= 0

ΣHDD=152

ΣCDD=0

ΣPCNL=0.76"

ΣPCNS= 0.0"

TDAVIS=35/30

TUNV= 32/28

TW=N/A

TD= 30*

*from Davis

G2= T

ΣG2= 0.85"

MONDAY 8 JANUARY 2007

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 45 °F	Dir. SW	Temp 74 °F	-RA, OCCL +RA, DZ 1725-0300LT DZ, OCCL -RA 0445-OBS FEW PL ~ 1730 LT
Min. 32 °F	Vel. 7 m.p.h.	Read. 28.45 in.	
Set 44 °F	Char. STEADY	Corr. 28.32 in.	

R.H.	24 hr. Mov.	Sea L.	0700	1300	1900
93 %	– mi.	29.67 in.	Clds. 10/10 NS RAGGED OBSC.	Clds. Sc 5/10	Clds. 8/10 Cu
Ppn. Liq. 0.82 in.	Prev. Dir. –	3 hr. Tend. ↘ 0.8 mb	Wx -RA	Wx Windy	Wx Mi.Clouds
Ppn. Sol. T in.	Snow Depth 0 in.	Observer WJS	Vis. 6 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$ = 39

HDD = 26

ΣHDD = 178

Σ PCN$_L$ = 1.58"

Σ PCN$_S$ = T

T_{DMS} = 44/44

T_{UNN} = 43/43

T_W = 43

T_D = 42

C_2 = 0.83"

ΣC_2 = 1.68"

Tuesday 9 January 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 45 °F	Dir. SW	Temp 73 °F	Cold FROPA 0740 LT - RA, DZ 0703 - 0730 LT - RA, DZ 0743 - 0805 LT - SHSN 1210 - 1220 LT - SHSN 1800 LT
Min. 30 °F	Vel. 6 m.p.h.	Read. 28.61 in.	
Set 32 °F	Char. STEADY	Corr. 28.48 in.	
R.H. 61 %	24 hr. Mov. — mi.	Sea L. 29.86 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. -0.3 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ADB/SMZ	

	0700	1300	1900
Clds.	10/10 - St	Clds. 8/10 Cb Sc	Clds. 5/10 Cu.
Wx	Virga	Wx SHSN VCTY SN	Wx P. Cloudy SHSN to North
Vis.	25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 38$

$HDD = 27$

$\Sigma HDD = 205$

$\Sigma PCN_L = 1.58"$

$\Sigma PCN_S = T$

$T_{DAVIS} - 31/20$

$T_{UNV} - 30/19$

$T_W = -$

$T_D = 20°$

$G_2 = T$

$\Sigma \theta_2 = 1.68"$

Wednesday 10 January 2006

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. WNW	Temp 72 °F	-SN 0750 - 1110 LT		
Min. 22 °F	Vel. 10 m.p.h.	Read. 28.96 in.	Occl SHSN 1200 - 0545 LT		
Set 22 °F	Char. Steady	Corr. 28.84 in.			
R.H. 71 %	24 hr. Mov. — mi.	Sea L. 30.27 in.	0700	1300	1900
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. +3 mb	Clds. 2/10 Sc Wx Mostly clear, Snow began to fall	Clds. 8/10 Sc Wx -SHSN	Clds. 3/10 Cu Wx Mostly clear
Ppn. Sol. 0.2 in.	Snow Depth T in.	Observer ADB	Vis. 25 mi.	Vis. 4 mi.	Vis. 25 mi.

$\bar{T}$: 30°

HDD: 35

ΣHDD: 240

$\Sigma PCN_L = 1.60"$

$\Sigma PCN_S = 0.2"$

T_{DAVIS}: 22/13

T_{UNIV}: 21/14

T_{W} –

T_O: 14°

G_J: 001

ΣG_J: 1.69"

Thursday 11, January 2008

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 29 °F	Dir. –	Temp 72 °F	Occl - SHSN 1115 - 1730 LT
Min. 16 °F	Vel. 0 m.p.h.	Read. 29.31 in.	
Set 18 °F	Char. calm	Corr. 29.18 in.	

	0700	1300	1900
R.H. 80 %	Clds. 1/10 As contrails	Clds. 5/10 Cirrus Contrails	Clds. 10/10 OS
Ppn. Liq. T in.	Wx Smoke in valley	Wx Partly Cloudy	Wx M. Cloudy
Ppn. Sol. T in.	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Snow Depth T in.

Observer JMZ

$\bar{T}$: 23°

HDD: 42

T_{DAVIS} : 18/~~15~~14

T_{UNV} : 16/12

T_W –

T_D : 13°

Σ HDD: 282

Σ PCN_L = 1.60"

Σ PCN_S = .2"

Friday January 12, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. SW	Temp 72 °F	SHRA 0400 - 0420 -SHRA 0420 - 0440 -SHSN 0440 - 0500 -SHSNPL 0500 - 0540 -SHDZ 0540 - 0600		
Min. * 18 °F	Vel. 2 m.p.h.	Read. 29.16 in.			
Set 34 °F	Char. Light Variable	Corr. 29.03 in.	* overnight low = 34°F		
			0700	1300	1900
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.34 in.	Clds. 10/10 AS	Clds. 10/10 St	Clds. 10/10 St.
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +0.2mb	Wx Overcast -Fg	Wx Overcast	Wx Overcast
Ppn. Sol. T in.	Snow Depth T in.	Observer CJP	Vis. 25 mi.	Vis. 25 mi.	Vis. 17 mi.

$\bar{T} = 28$
HDD = 37
CDD = 0
ΣHDD = 319
ΣCDD = 0
$\Sigma PCN_2 = 1.60''$
$\Sigma PCN_5 = 0.2''$

$T_{DAVIS} = 34/27$
$T_{UNV} = 34/28$

$T_W = N/A$
$T_D = 27^*$

*from Davis

G2: T
ΣG2:

Saturday 13 January 2007
0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 54 °F	Dir. SW	Temp 73 °F	1022 LT: -RA RA 0028-0042 -RA 2142-2202 -RA 0042-0102 -DZ 2303-2302 +DZ 0102-0142 DZ 2303-2342 RA 0142-0222 +DZ 2342-0002 -RA, DZ (VCR) -DZ 0002-0022 0222-06
Min. * 34 °F	Vel. 6 m.p.h.	Read. 28.99 in.	
Set 53 °F	Char. Steady	Corr. 28.86 in.	

R.H.	24 hr. Mov.	Sea L.	0700	1300	1900
100 %	— mi.	30.22 in.	Clds. Fog 10/10 Ns	Clds.	Clds. Fog 10/10 Ns
Ppn. Liq. 0.08 in.	Prev. Dir. —	3 hr. Tend. -0.2 mb	Wx Light Rain	Wx	Wx Light Rain
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer ADB	Vis. 4 mi.	Vis. mi.	Vis. 2 mi.

$\overline{T} = 44$

HDD = 21

CDD = 0

Σ HDD = 340

Σ CDD = 0

$\Sigma PCN_L = 1.68"$

$\Sigma PCN_S = 0.2"$

T_{DAVIS}: 52/52

T_{UNV}: 52/52

T_W: 54

T_D: 53

1° depression between T_W + T_{DRY}

* Temperatures increased all night.
* Overnight Low: 51°

G_2: 0.10"

ΣG_2: 1.79"

Sunday 14 January 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 54 °F	Dir. N	Temp 74 °F	0702-0802 LT = -dz 0802-0924 LT = dz 0924-1322 LT = -RA 1543-1602 LT = dz 1622-2142 LT = FG 2202-4?? LT = dz; occl RA		
Min. 40 °F	Vel. 3 m.p.h.	Read. 28.99 in.			
Set 41 °F	Char. light	Corr. 28.86 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.27 in.	Clds. 10/10 Ns	Clds.	Clds. 10/10
Ppn. Liq. 0.13 in.	Prev. Dir. —	3 hr. Tend. ⌐ +.5 mb	Wx Light Rain	Wx	Wx FG/BR; -RA]
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer JMZ	Vis. 2 mi.	Vis. mi.	Vis. ~4 mi.

$T = 47$

$HDD = 18$

$CDD = 0$

$\Sigma HDD = 358$

$\Sigma CDD = 0$

$\Sigma PCN_L = 1.81$

$\Sigma PCN_S = .2"$

$T_{DAVIS} = 42/42$

$T_{UNV} = 39/39$

$T_W : 41$

$T_D : 41$

$G2 : 0.14$

$\Sigma G2 : 1.93$

Monday, 15 January, 2007 — 0700 EST — Meteorological Observatory, Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 45 °F	Dir. —	Temp 73 °F	0855–1050LT: -RA/-BR 1030–1550LT: -RA/-DZ 1550–1840LT: -RA/RA/DZ 1840–1935LT: BR/OCNL -DZ 1935–2215LT: DZ/-DZ/OCNL +DZ 2215–2255LT: -RA/RA 2255–0130LT: -DZ/DZ →		
Min. 37 °F	Vel. 0 m.p.h.	Read. 28.87 in.			
Set 38 °F	Char. calm	Corr. 28.75 in.	0700	1300	1900
R.H. 99 %	24 hr. Mov. — mi.	Sea L. 30.14 in.	Clds. 10/10 St, Ns	Clds. 10/10 Ns	Clds. 10/10 Ns
Ppn. Liq. 0.44 in.	Prev. Dir. —	3 hr. Tend. \-2.3 mb	Wx Dull, a sprinkle	Wx -RA	Wx -RA
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AGM	Vis. ~12, but mtns obscured mi	Vis. 15 mi. mtns obsc.	Vis. 8 mi.

$\bar{T} = 41°$

HDD = 24

ΣHDD = 392

$T_{DAVIS} = 39.5°/38.5°$

$T_{UNV} = 37°/37°$

$T_{KPSU} = 43°/43°$ (@ 0548 LT)

$T_W = 38°$

$T_D = 38°$

$\Sigma PCN_L = 2.25"$

$\Sigma PCN_S = 0.2"$

Additional Precip OBS:

0130-0635: -RA/OCNL RA

0635-0955: -DZ/-SR

Extensive stratiform precip as stationary frontal boundary stretched east to west just to south of area, ~ U.S. 22 corridor.

$PCN_{L-RA} = 0.37"$

$PCN_{SZ} = 0.42"$

$\Sigma PCN_{SZ} = 2.35"$

Tuesday, 16 January 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 58 °F	Dir. W	Temp 73 °F	obs - 0722 : dz 0802 - 0922 : - RA 0942 - 1442 : RA and occl + RA 1502 - 1522 : - RA 1602 - 1742 : dz 1842 - 2002 : - RA and occl RA →
Min. 34 °F	Vel. 7 m.p.h.	Read. 28.84 in.	
Set 35 °F	Char. Light and Variable	Corr. 28.71 in.	

	0700	1300	1900
R.H. 75 %	Clds. 8/10 Sc	Clds. 10/10 St	Clds. 4/10 St Cu
24 hr. Mov. – mi.	Wx Mostly Cloudy	Wx Light Snow	Wx Fair
Sea L. 30.12 in.	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.
Ppn. Liq. .25 in.			
Prev. Dir. –			
3 hr. Tend. +2.5 mb			
Ppn. Sol. 0.0 in.			
Snow Depth 0 in.			
Observer JMZ			

$\bar{T} = 46$
$HDD = 19$
$\Sigma HDD = 401$

$T_{DAVIS} = 34/26$
$T_{UNV} = 34/27$

$T_W = 32$
$T_d = 28$

$\Sigma PCN_L = 2.50''$
$\Sigma PCN_S = 0.2''$

Additional Precip Obs

2202-2222 : dz
2322-2340 : -dz
0242-0322 : dz
0500-0530 : -SHSN

$PCN_{G2} = .29''$
$\Sigma PCN_{G2} = 2.64''$

Wednesday 17 January 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 35 °F	Dir. W	Temp 72 °F	-SN 1022-1042 LT -SN 1102-1142 LT -SN 1222-1242 LT -SN 1522-1542 LT		
Min. 17 °F	Vel. 6 m.p.h.	Read. 29.40 in.			
Set 20 °F	Char. Steady	Corr. 29.28 in.	0700	1300	1900
R.H. 62 %	24 hr. Mov. — mi.	Sea L. 30.76 in.	Clds. 9/10 St	Clds. 4/10 CN	Clds. 3/10 Cu Ac
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. ↗ +1.5 mb	Wx mostly Cloudy	Wx P. Cloudy	Wx mostly Clear
Ppn. Sol. T in.	Snow Depth 0 in.	Observer AOB	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$: 26°

HDD : 39

CDD : 0

ΣHDD : 440

ΣCDD : 0

Σ PCN_L = 2.50"

Σ PCN_S = 0.2"

T_{DAVIS} : 20/8

T_{UNV} : 19/9

T_W : —

T_O : 9

PCN_{62} = 0.00"

Σ PCN_{62} : 264"

Thursday January 18 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 30 °F	Dir. S	Temp 72 °F			
Min. 19 °F	Vel. 3 m.p.h.	Read. 29.20 in.			
Set 24 °F	Char. Light	Corr. 29.07 in.	0700	1300	1900
R.H. 58 %	24 hr. Mov. — mi.	Sea L. 30.52 in.	Clds. Ci Cs As 4/10	Clds. 9/10 Ac	Clds. Ac 2/10
Ppn. Liq. 0.00 in.	Prev. Dir. ←	3 hr. Tend. —±0 mb	Wx Cloudy) Breezy	Wx M.Cloudy	Wx cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer NK	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T} = 25$

$HDD = 40$

$CDD = 0$

$\Sigma HDD = 480$

$\Sigma CDD = 0$

$\Sigma P(N_L) = 2.50''$

$\Sigma P(N_S) = 0.2''$

$T_{Davis} = 23/10$

$T_{UNV} = 23/10$

$Gauged = 0.00$

$\Sigma Gauged = 2.64''$

Friday January 19 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 34 °F	Dir. SW	Temp 74 °F	-SN 0507-0633
Min. 23 °F	Vel. 9 m.p.h.	Read. 29.40 in.	
Set 33 °F	Char. breezy	Corr. 29.27 in.	8=OVNGT LOW = 30
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.54 in.	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. -.3 mb	
Ppn. Sol. 0.1 in.	Snow Depth T in.	Observer NK	

	0700	1300	1900
Clds.	Clds. Ns 10 Co St	Clds. 7/10 Sc	Clds. Sc 9/10 Bkn
Wx	Wx cloudy windy	Wx windy	Wx MCldy
Vis.	Vis. 3.5 mi.	Vis. 25 mi.	Vis. 25 mi.

F= 29

HDD= 36

CDD=0

ΣHDD=516

ΣCDD=0

ΣPCN= 2.51"

ΣPCNs= 0.3"

TOants= 32/26

TUNV = 32/25

Gauged= T

ΣGauged= 2.64"

Saturday January 20, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 34 °F	Dir. WNW	Temp 32 °F	-SHSN OCIL OBS - 1000 LT -SHSN 1420 - 1620 LT -SHSN 1720 - 1740 LT -SHSN 0220 - 0340 LT
Min. 19 °F	Vel. 8 m.p.h.	Read. 28.94 in.	
Set 19 °F	Char. Gusty	Corr. 28.82 in.	
R.H. 61 %	24 hr. Mov. — mi.	Sea L. 30.12 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. F +1.0 mb	
Ppn. Sol. 0.2 in.	Snow Depth T in.	Observer COP	

	0700	1300	1900
Clds.	3/10 Cu Sc	Clds.	Clds. 6/10 St
Wx	P. Cloudy	Wx	Wx Cloudy!
Vis.	25 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}$=27
HDD=38
CDD=0
ΣHDD=554
ΣCDD=0
ΣPCNL=2.51"
ΣPCNS=0.5"

TDAVIS=20/8
TUNV=19/9

TW=N/A
TD=8*

G2: N/A [snow couldn't get into gauge]
ΣG2: 2.64"

Sunday January 21, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 27 °F	Dir. N	Temp 72 °F	1315 - 1330 LT : Light Snow 1640 - 1750 LT : Light Snow
Min. 16 °F	Vel. 2 m.p.h.	Read. 29.18 in.	
Set 16 °F	Char. Light	Corr. 29.05 in.	
R.H. 76 %	24 hr. Mov. — mi.	Sea L. 30.52 in.	
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. ↓ -.5 mb	
Ppn. Sol. T in.	Snow Depth T in.	Observer JMZ	

	0700	1300	1900
Clds.	9/10 Sc	Clds.	Clds. 10/10 Ns
Wx	M. Cloudy	Wx	Wx -SN
Vis.	25 mi.	Vis. mi.	Vis. ~4 mi.

$\bar{T} = 22$

HDD = 43

CDD = 0

Σ HDD = 597

Σ CDD = 0

Σ PCN_L = 2.51"

Σ PCN_S = 0.5"

$T_{Davis} = 16/11$

$T_{UNV} = 16/10$

$T_W = N/A$

$T_D = 11$

G2 : N/A Snow did not get into gauge

Σ G2 : 2.64"

Meteorological Observatory
Univeristy Park, PA

Monday, 22 January, 2007 0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 24 °F	Dir. SSW	Temp 73.5 °F	-SN: 1710-2215 LT OCNL --SN/--FZDZ: 2215-0615 LT --SN/--FZDZ: 0615 LT-085		
Min. 16* °F	Vel. 2 m.p.h.	Read. 28.72 in.	Measurement taken at 0030 LT: ~0.3" SOLID, 0.04" LIQ, RATIO ESTIMATED 9.5:1 ... RATHER WET, EXCEPT FOR PERIOD OF DENDRITES		
Set 23 °F	Char. steady	Corr. 28.60 in.	*Overnight low = 21 ~1900 LT		
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.02 in.	0700 Clds. 10/10 Ns	1300 Clds. 10/10 AS	1900 Clds. 10/10 Ns
Ppn. Liq. 0.04 in.	Prev. Dir. —	3 hr. Tend. ↘ -0.7 mb	Wx --SN/--FZDZ, Fog	Wx ~~FG~~ DVRCST	Wx -SHSN
Ppn. Sol. 0.4 in.	Snow Depth T in.	Observer AGM	Vis. 1.5 mi.	Vis. 4 mi.	Vis. 10 mi.

$\bar{T} = 20°$

HDD = 45

$\Sigma HDD = 642$

$T_{DAVIS} = 22.5/20.5°$

$T_{UNV} = 23°/23°$

$T_{KPSU} = M/M$

$T_w = M$

$T_D = 20.5°$

$\Sigma PCN_L = 2.55"$

$\Sigma PCN_S = 0.9"$

$PCN_{02} = 0.04"$

$\Sigma PCN_{02} = 2.68"$

Tuesday, 23 January 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 32 °F	Dir. W	Temp 74 °F	OCNL -SN / FG : 0700-0830 LT FG : 0940-1050 LT FG : 1220 - 1642 LT OCCL -FZDZ -SN : 1700 - 0122 LT -SN : 0320 - 0420 LT -SN : 0500 - 0530 LT * overnight low = 26°
Min. 23* °F	Vel. 8 m.p.h.	Read. 28.71 in.	
Set 26 °F	Char. steady	Corr. 28.58 in.	

	0700	1300	1900
R.H. 73 %	Clds. 10/10 Ns	Clds. 8/10 St As	Clds. 8/10 St Nb
Ppn. Liq. .02 in.	Wx -Sn	Wx mostly cloudy	Wx Flurries
Ppn. Sol. .5 in.	Snow Depth 1 in.	Observer JMZ	Vis. 25 mi.
	Prev. Dir. —	3 hr. Tend. / +1 mb	Vis. 25 mi.
	Sea L. 30.00 in.		Vis. 7 mi.
	24 hr. Mov. - mi.		

$\bar{T} = 28$

$HDD = 37$

$\Sigma HDD = 679$

$T_{DAVIS} = 26/20$

$T_{UNV} = 27/19$

$T_W = -$

$T_D = 20$

$\Sigma PCN_C = 2.57''$

$\Sigma PCN_S = 1.4''$

$PCN_{62} = .01''$

$\Sigma PCN_{62} = 2.69''$

Wednesday, 24 January 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 32 °F	Dir. WSW	Temp 75 °F	OBS – 0845 LT : -SN 0922-1022 LT -SN 1142 LT : -SN 1402-1442 LT : -SN 1502-1542 LT : -SN 1702 LT : -SN 2302 LT : -SN	2342-0222 LT : -SN 0402 LT - 06 -SN	
Min. * 26 °F	Vel. 4 m.p.h.	Read. 28.82 in.	* Overnight low: 2[illegible]		
Set 28 °F	Char. Steady	Corr. 28.69 in.	0700	1300	1900
R.H. 88 %	24 hr. Mov. — mi.	Sea L. 30.11 in.	Clds. 10/10 Ns	Clds. 9/10 Sc	Clds. Ns 10/10
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +1.5 mb	Wx Light Snow	Wx ~~BK~~ OVCST -FG	Wx Light Snow
Ppn. Sol. T in.	Snow Depth T in.	Observer ADB	Vis. 2.5 mi.	Vis. ~17 mi.	Vis. ~17 mi.

$\bar{T} = 29$

$HDD = 36$

$\Sigma HDD = 715$

$CDD = 0$

$\Sigma CDD = 0$

$T_{DAVIS} : 28/25$

$T_{LNV} : 28/25$

$T_w = -$

$T_0 = 25$

$\Sigma PCN_L = 2.57"$

$\Sigma PCN_S = 1.4"$

$PCN_{GA} = T$

$\Sigma PCN_{GA} = 2.69"$

Thursday January 25, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 35 °F	Dir. W	Temp 74 °F	-SN 0700 - 0955 -SN 1812 - 1933 -SN 2134 - 0003 -SN 0431 - 0635
Min. 23 °F	Vel. 10 m.p.h.	Read. 28.92 in.	
Set 25 °F	Char. breezy	Corr. 28.79 in.	

	0700	1300	1900
R.H. 74 %	Clds. Sc 10/10	Clds. ~~Sc~~ 10/10 ~~OVC~~	Clds. Ns 10/10
Ppn. Liq. T in.	Wx Cloudy	Wx ~~RFD~~ SNOW	Wx Cloudy, Light Snow
Ppn. Sol. 0.3 in.	Vis. 25 mi.	Vis. ~17 mi.	Vis. ~7 mi.
Prev. Dir. —	3 hr. Tend. —0.1 mb		
24 hr. Mov. — mi.	Sea L. 29.09 in.		
Snow Depth T in.	Observer NK		

$\bar{T} = 29$

HDD = 36

CDD = 0

ΣHDD = 751

ΣCDD = 0

Σ PCN$_L$ = 2.57"

ΣPCN$_S$ = 1.7"

T$_{Davis}$ = 25/18

T$_{UW}$ = 25/18

Gauged = T

Σ Gauged = 3.69"

Friday January 26, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 25 °F	Dir. W	Temp 72 °F	SN 0715-0930 LT SN 1600-1610 LT +SN 1630-1640 LT +BLSN 1640-1650 LT -SN 1154-1356 -SN 1552-1618 -SN 1835-1925		
Min. 5 °F	Vel. 11 m.p.h.	Read. 29.06 in.			
Set 7 °F	Char. windy	Corr. 28.93 in.	0700	1300	1900
R.H. 72 %	24 hr. Mov. — mi.	Sea L. 30.10 in.	Clds. 7/10 Ac Sc	Clds. 10/10 NS	Clds. 10/10 ST
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. — ±0 mb	Wx Partly sunny	Wx -SHSN OVRCST	Wx OVRCST
Ppn. Sol. 0.5 in.	Snow Depth 1 in.	Observer NK	Vis. 25 mi.	Vis. 35 mi.	Vis. 25 mi.

$\bar{T} = 15$

$HDD = 150$

$CDD = 0$

$\Sigma HDD = 801$

$\Sigma CDD = 0$

$\Sigma PCN_L = 2.59''$

$\Sigma PCN_S = 2.2''$

$T_{Days} = 8/0$

$T_{UNV} = 711$

$Gauged = 0.04''$

$\Sigma\ Gauged = 2.71''$

Saturday January 27, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 22 °F	Dir. —	Temp 73 °F	SHSN 1215-1240 LT SHSN 1240-1820 LT
Min. 7* °F	Vel. 0 m.p.h.	Read. 28.162 in.	
Set 20 °F	Char. Calm	Corr. 28.49 in.	
R.H. 81 %	24 hr. Mov. — mi.	Sea L. 29.77 in.	
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. -0.5 mb	
Ppn. Sol. 0.5 in.	Snow Depth T in.	Observer CJP	

0700	1300	1900
Clds. 10/10 SC	Clds.	Clds. 9/10 SC
Wx OVRCST	Wx	Wx MOSTLY Cloudy.
Vis. 25 mi.	Vis. mi.	Vis. 20 mi.

* overnight low = 17°

$\bar{T} = 15$

HDD = 50

CDD = 0

$\Sigma HDD = 851$

$\Sigma CDD = 0$

$\Sigma PCN_L = 2.61''$

$\Sigma PCN_S = 2.7''$

$T_{DAVIS} = 20/15$

$T_{UNV} = 21/16$

$T_W = N/A$

$T_D = 15^*$

*from Davis

G2: 0.02"

$\Sigma G2$: 2.73"

Sunday January 28, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. WSW	Temp 73 °F	2300-2310: -dz 2335-2341: -dz 0620-0700LT: -Sn Overnight Low = 31°		
Min. 20 °F	Vel. 3 m.p.h.	Read. 28.51 in.			
Set 31 °F	Char. Light	Corr. 28.38 in.	0700	1300	1900
R.H. 82 %	24 hr. Mov. – mi.	Sea L. 29.79 in.	Clds. 10/10 Ns	Clds.	Clds. 10/10 Sc, Cu
Ppn. Liq. T in.	Prev. Dir. –	3 hr. Tend. L-.5 mb	Wx -Sn	Wx	Wx Overcast
Ppn. Sol. T in.	Snow Depth T in.	Observer JMZ	Vis. 10 mi.	Vis. mi.	Vis. ~15 mi.

$\bar{T} = 30$

HDD = 35

CDD = 0

Σ HDD = 886

Σ CDD = 0

$\Sigma PCN_L = 2.61''$

$\Sigma PCN_S = 2.7''$

$T_{DAVIS} = 31/26$

$T_{UNV} = 30/25$

$T_W = —$

$T_D = 26$

$G_2 : T$

$\Sigma G_2 : 2.73''$

Monday, 29 January, 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 33 °F	Dir. WSW	Temp 72 °F	OCNL -SH SN$_S$: 06^{Z} - 0830LT 1030 - 1330LT: SN/-SN 1330 - 1530LT: -SN/--SN } 1.2" SOL		
Min. 14 °F	Vel. 7 m.p.h.	Read. 28.76 in.	1950 - 0420LT: OCNL --SH SN/-SHSN, 0.3" SOL		
Set 14 °F	Char. steady	Corr. 28.64 in.			Δ →
			0700	1300	1900
R.H. 69 %	24 hr. Mov. — mi.	Sea L. 30.09 in.	Clds. 2/10 Cu, Sc	Clds. 9/10 Sc	Clds. 3/10 As
Ppn. Liq. 0.05 in.	Prev. Dir. —	3 hr. Tend. / +2.8 mb	Wx M. Clear and cold	Wx -SHSN	Wx M. Clear
Ppn. Sol. 1.5 Δ in.	Snow Depth 1 in.	Observer AGM	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$ = 24°
HDD = 41
ΣHDD = 927

T_{DAVIS} = 14.5°/6°
T_{UNV} = 14°/7°
T_{KPSA} = M/M

T_W = —
T_D = 6°

ΣPCN_L = 2.66"
ΣPCN_S = 4.2"

⚠ Latest first 1" or greater since daily records began in 1896. Broke old record of 23 January (1966). But 1840 was later, (given monthly obs) first 1" was sometime in February.

Additional Obs:

Very impressive flake size/fluffiness for most of 1030 – 1330 LT period. Overall ratio for the burst from this convergence line snow ~ 26:1. Visibility over 1100 – 1200 LT stayed ≤ 0.25 miles.

1960 – 0420 LT snow even-fluffier amid C.A.A., ratio ~ 30:1.

PCN_{02} = 0.05"
ΣPCN_{02} = 2.78"

Tuesday, 30 January 2007 0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 22 °F	Dir. SW	Temp 73 °F	1200 - 1300 LT : -SHSN 0320 - 0625 LT : -SHSN		
Min. 14 °F	Vel. 2 m.p.h.	Read. 28.73 in.			
Set 18 °F	Char. Light	Corr. 28.60 in.			
			0700	1300	1900
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 30.04 in.	Clds. St 3/10	Clds. Ns 10 / 10 Sc	Clds. 10/10 Ns
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. \ -.7 mb	Wx M. Clear	Wx Light Snow	Wx Flurries Snow Squall
Ppn. Sol. T in.	Snow Depth T in.	Observer JMZ	Vis. 25 mi.	Vis. ~17 mi.	Vis. West 2 mi - West 63 - East mi.

$T = 18°$

$MDD = 47$

$\Sigma MDD = 974$

$T_{DAVIS} = 18/14$

$T_{UNIV} = 16/14$

$T_W = -$

$T_D = 14$

$\Sigma PCN_L = 2.66''$

$\Sigma PCN_S = 4.2''$

$PCN_{G2} = T$

$\Sigma PCN_{G2} = 2.78''$

Wednesday, 31 January 2007

0700 EST

Meteorological Observatory
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 29 °F	Dir. W	Temp 72 °F	-SN 1042-1544 SN 1544-1602 -SN 1602-1623 SN 1623-1642 -SN 1642-1742		occl -SN 1742-0642
Min. 12 °F	Vel. 8 m.p.h.	Read. 28.89 in.			
Set 12 °F	Char. Steady	Corr. 28.77 in.			
R.H. 77 %	24 hr. Mov. — mi.	Sea L. 30.24 in.	0700	1300	1900
Ppn. Liq. 0.05 in.	Prev. Dir. —	3 hr. Tend. +2 mb	Clds. 1/10 As	Clds. 3/10 Cu Cs	Clds. 4/10 Cs Sc
			Wx M. Clear	Wx M. Clear	Wx Partly Cloudy
Ppn. Sol. 0.5 in.	Snow Depth 1 in.	Observer ADB	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$: 21
HDD: 44
ΣHDD: 1018
CDD = 0
ΣCDD = 0

ΣPCN_L = 2.71"
ΣPCN_S = 4.7"

T_{DAVIS}: 13/6
T_{UNIV}: 12/5

T_W: —
T_O: 6

JAN Temp's.
$\bar{T}_{MAX}$ = 39.5°F
$\bar{T}_{MIN}$ = 24.3
$\bar{T}_{JAN}$ = 31.9

PCN_{6a}: 0.02"
ΣPCN_{6a}: 2.80"