FRI. JANUARY 1, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 54 °F	Dir. WNW	Temp. 74 °F	PCPN VRY LGT BINOVC A FEW SCANT SNOW PATCHES ON UNDISTURBED TERRAIN		
Min. 32 °F	Vel. 22 m.p.h.	Read. 29.01 in.			
Set 32 °F	Char. GUSTING TO 34	Corr. 28.89 in.	0700	1300	1900
R.H. 67 %	24 hr. Mov. NA mi.	Sea L. 30.31 in.	Clds. 10/10	Clds.	Clds. BKN
Ppn. Liq. 0.01 in.	Prev. Dir. NA	3 hr. Tend. +3.1 /mb	Wx SW-	Wx	Wx SW-
Ppn. Sol. T in.	Snow Depth T in.	Observer FJG	Vis. 15 mi.	Vis. mi.	Vis. mi.

$\bar{T} = 43$

$H_{DD} = 22$

$\Sigma_{HDD} = 22$

Σ_{PCM_L} [redacted] $= .01$

$\Sigma_{PCM_S} = 0$

$Td_{ramos} = 16$

$Td\ UNV = 22$

[redacted]

Saturday, January 2, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 32 °F	Dir. 320 V 360	Temp. 73 °F	Intermittent SW- (MOST 1800-1930LST) Ramos overnight Low: 21 ~2200 LT MAX T OCRD AT OBS, 1ST		
Min. 23 °F	Vel. 12 6 21 m.p.h.	Read. 29.33 in.			
Set 25 °F	Char. Gusty	Corr. 29.20 in.	0700	1300	1900
R.H. 65 %	24 hr. Mov. NA mi.	Sea L. 30.65 in.	Clds. 8/10 SC	Clds.	Clds. 3/10 attocu
Ppn. Liq. T in.	Prev. Dir. NA	3 hr. Tend. + 1.6 mb	Wx Bright Sp.ts/Breezy	Wx	Wx MSTLY CLR
Ppn. Sol. T in.	Snow Depth 0 in.	Observer D.H.G.	Vis. 15 mi.	Vis. mi.	Vis. 20 mi.

$\bar{T} = 28$

$HDD = 37$

$\Sigma_{HDD} = 59$

$\Sigma_{pcn_L} = .01$

$\Sigma P_{pcn_s} =$ T

$T_{roof} = 22$

$T_{d\,roof} = 10$

$T_{max} = 24$

$T_{d\,max} = 14$

SUN. JAN. 3, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 33 °F	Dir. S	Temp. 73 °F	BRIGHT OVHD + SOUTH MINT CLRD ~0800LT OVRNT LO = 24		
Min. 22 °F	Vel. 6 m.p.h.	Read. 29.30 in.			
Set 30 °F	Char. STDY	Corr. 29.17 in.			
			0700	1300	1900
R.H. 56 %	24 hr. Mov. NA mi.	Sea L. 30.51 in.	Clds. 10/10 Ahcu ci	Clds. 10/10 AS AC	Clds. 10/10 STR.
Ppn. Liq. 0 in.	Prev. Dir. NA	3 hr. Tend. ⌐ +1.0 mb	Wx BINOVC	Wx Light Sprk in ovrnt	Wx L--
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 15 mi.	Vis. 11 mi.	Vis. 8 mi.

$\bar{T} = 28$ $T_{roof} = 28$ $T_{d\,RAMS} = 14$

$T_{d\,UNV} = 17$

$H_{DD} = 37$

$\Sigma_{HDD} = 96$

$\Sigma_{PCPN(L)} = .01$

$(S) = T$

MON JAN. 4, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. —	Temp. 74 °F	CU + U N + E Ci S ; HAZE along RIDGES IP- 0745-0800 LT, ZR- 0800-1200 LT, 2 PCN. R- 1430-1500 LT 3 VRY LT. L- ~~1830-2000 LT~~		
Min. 29 °F	Vel. 0 m.p.h.	Read. 29.04 in.			
Set 35 °F	Char. Calm	Corr. 28.91 in.	0700	1300	1900
R.H. 78 %	24 hr. Mov. NA mi.	Sea L. 30.30 in.	Clds. 4/10	Clds.	Clds. -BKN
Ppn. Liq. .01 in.	Prev. Dir. NA	3 hr. Tend. \-1.0 mb	Wx PTLY CLDY	Wx	Wx M.Ld + PLEASANT
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JHM	Vis. 20 mi.	Vis. mi.	Vis. ≥20 mi.

$\bar{T} = 34$ $T_{MAX} = 35$ $T_W = 32.5$ $T_d = 29$

$T_{d\,MMW} = 27$

$T_{d\,UNW} = 30$

$H_{DD} = 31$

$\Sigma_{HDD} = 127$

$\Sigma_{PCN\,(L)} = .02$

$(S) = T$

Tuesday January 5 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. ★ 58 °F	Dir. W	Temp. 76 °F	• R-, DANL A 2250 - ~0600 LT ★ 58 IS REC MAX T FOR DATE		
Min. 35 * °F	Vel. 12 m.p.h.	Read. 28.60 in.			
Set 54 °F	Char. Fairly variable	Corr. 28.46 in.	* ovnt low: 54		
R.H. 78 %	24 hr. Mov. NA mi.	Sea L. 29.79 in.	0700 Clds. 10/10 low Sc + fract	1300 Clds.	1900 Clds.
Ppn. Liq. .46 in.	Prev. Dir. NA	3 hr. Tend. + 1/2 ✓ mb	Wx • ovc • mist	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{Avg} = 54$ $\quad \overline{T} = 47$

$TJ_{Annual} = 47$ $\quad HDD = 18$

$TL_{Annual} = 49$ $\quad \Sigma HDD = 145$

$\Sigma PcN_L = .48"$

$\Sigma PcN_S = T$

WED. JAN 6, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 54 °F	Dir. SW	Temp. 74 °F	RW- 0800 - 0830 LT (EST) GUSTS TO 40+ MPH 1230 - 1300 LT		
Min. 34 °F	Vel. 8 m.p.h.	Read. 29.05 in.			
Set 34 °F	Char. STDY	Corr. 28.92 in.	0700	1300	1900
R.H. 75 %	24 hr. Mov. NA mi.	Sea L. 30.32 in.	Clds. 10/10 -V	Clds.	Clds. 10/10
Ppn. Liq. .01 in.	Prev. Dir. NA	3 hr. Tend. ↓ +.75 mb	Wx OVC	Wx	Wx • OVC • INTERMITTENT FUL
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 15 mi.	Vis. mi.	Vis. E10 mi.

$\bar{T} = 44$ $T_{ROOF} = 33$ $T_W = 30.5$ $T_d = 26$

$T_{d\ max} = 24$

$T_{d\ min} =$

$H_{DD} = 21$

$\Sigma_{DD} = 176$

$\Sigma_{PCN(L)} = 0.49''$

$(S) = T$

Thursday January 7 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. —	Temp. 75 °F	• SW - W 1100 LT		
Min. 26 °F	Vel. 0 m.p.h.	Read. 29.01 in.			
Set 29 °F	Char. calm	Corr. 28.88 in.	0700	1300	1900
R.H. 75 %	24 hr. Mov. NA mi.	Sea L. 30.30 in.	Clds. 10/10	Clds.	Clds. 10/10 STR
Ppn. T Liq. in.	Prev. Dir. NA	3 hr. Tend. ±0 ⌣ mb	Wx • OVC • BR	Wx	Wx • HZE • OVC • HVY DRZM
Ppn. T Sol. in.	Snow Depth 0 in.	Observer JCK	Vis. 10 v. 15 mi.	Vis. mi.	Vis. E 10 mi.

$T_{road} = 29$ $\quad \overline{T} = 32$

$Td_{R} = 22$ $\quad HDD = 33$

$Td_{avg} = 24$ $\quad \sum HDD = 209$

$\sum PCN_{L} = 0.49''$

$\sum PCN_{S} = T$

Friday January 6 1995 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. NNE	Temp. 74 °F			
Min. 29* °F	Vel. 7 m.p.h.	Read. 28.83 in.			
Set 33 °F	Char. steady	Corr. 28.70 in.	* overnight low: 33		
			0700	1300	1900
R.H. 75 %	24 hr. Mov. NA mi.	Sea L. 30.10 in.	Clds. 10/10	Clds.	Clds. 10/10 St
Ppn. Liq. 0 in.	Prev. Dir. NA	3 hr. Tend. +1 mb	Wx • hail, snow, + misty	Wx	Wx chilly, breezy
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 4 v. 7 mi.	Vis. mi.	Vis. 7 mi.

$T_{max} = 33$ $\quad \bar{T} = 35$

$T_{min} = 26$ $\quad HDD = 30$

$T_{mean} = 28$ $\quad \sum HDD = 239$

$\sum PcN_c = 0.49"$

$\sum PcN_c = T$

Saturday, 09 Jan 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 36 °F	Dir. NE	Temp. 73 °F	SW- 0930 - 1200 LT		
Min. 24 °F	Vel. 15 (625) m.p.h.	Read. 29.06 in.			
Set 25 °F	Char. gusty	Corr. 28.93 in.	*used average Td		
R.H. 63 %	24 hr. Mov. N/A mi.	Sea L. 30.36 in.	0700	1300	1900
Ppn. T Liq. in.	Prev. Dir. N/A	3 hr. Tend. +1.1/mb	Clds. 10/10 St	Clds.	Clds. 10/10 St
Ppn. T Sol. in.	Snow Depth 0 in.	Observer MHB	Wx cold, windy	Wx	Wx cold, windy
			Vis. 15 mi.	Vis. mi.	Vis. 10 mi.

$T = 25$

$T_w = < 25$

$T_d = 14$ (average)

[redacted]

T_d RAMOS $= 12$

T_d UNV $= 16$

$\bar{T} = 30$

$HDD = 36$

$\Sigma HDD = 274$

$\Sigma CDD = 0$

$\Sigma pcn_L = 0.49''$

$\Sigma pcn_S = T$

Sunday, 10 Jan 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 25 °F	Dir. N-NE	Temp. 73 °F	fog in valley east, along north face of Mt. Nittany and along Tussey ridge toward Lemont FEW FLURRIES SAT AFTERNOON		
Min. 21 °F	Vel. 9 m.p.h.	Read. 29.26 in.			
Set 22 °F	Char. Variable	Corr. 29.13 in.			
			0700	1300	1900
R.H. 57 %	24 hr. Mov. N/A mi.	Sea L. 30.59 in.	Clds. 10/10 St	Clds.	Clds. 10/10
Ppn. Liq. T in.	Prev. Dir. N/A	3 hr. Tend. +1.6 / mb	Wx cold, misty	Wx	Wx S-
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MHB	Vis. 7 mi.	Vis. mi.	Vis. 5 mi.

$T_{roof} = 22$

$T_{d\ Ramos} = 8$

$T_{d\ UNV} = 10$

$\bar{T} = 23$

$HDD = 42$

$\Sigma HDD = 316$

$\Sigma CDD = 0$

$\Sigma pcp_L = 0.49''$

$\Sigma pcp_S = T$

Monday January 11 1993 — 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.
Max. 28 °F	Dir. SSE	Temp. 74 °F
Min. 22* °F	Vel. 3 m.p.h.	Read. 29.22 in.
Set 27 °F	Char. slightly variable	Corr. 29.09 in.
R.H. 81 %	24 hr. Mov. NA mi.	Sea L. 30.54 in.
Ppn. Liq. .14 in.	Prev. Dir. NA	3 hr. Tend. ±0 V mb
Ppn. Sol. 1.4 in.	Snow Depth 1 in.	Observer JCK

General Obs.

·SW - 1030 LT - 1145 LT
·S - 1435 LT - 0100 LT 11th

· about ½" at 1900 LT

* ovnt low: 26

	0700	1100	1900
Clds.	10/10 St	10/10 St	10/10 St
Wx	·ovc	cloudy, calm foggy	Patchy Fog, Cloudy, Calm
Vis.	4 v. 6 mi.	3½ F mi.	3 var. 5 mi.

$T_{Road} = 25$ $\bar{T} = 25$

$T\ell_{Ramos} = 20$ $HDD = 40$

$T\ell_{UNM} = 23$ $\Sigma HDD = 356$

$\Sigma P_{CWL} = .63''$

$\Sigma P_{CWS} = 1.4''$

Tuesday, January 12, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 31 °F	Dir. —	Temp. 72 °F	* overnight low ~ 29 ZL- 0720 LT-0920 LT INT ZR- 2145 LT-0500 LT OCNL ZR ICE ACCUMULATION LESS THAN .25 in.		
Min. * 27 °F	Vel. 0 m.p.h.	Read. 29.18 in.			
Set 31 °F	Char. Calm	Corr. 29.05 in.			
R.H. 91 %	24 hr. Mov. NA mi.	Sea L. 30.48 in.	0700	1300	1900
Ppn. Liq. .19 in.	Prev. Dir. NA	3 hr. Tend. +1.0 ↗ mb	Clds. 10/10 Ns	Clds. 10/10 St	Clds.
Ppn. Sol. 0 in.	Snow Depth 1 in.	Observer HDS	Wx v. light freezing drizzle, foggy	Wx cloudy, foggy	Wx
			Vis. 1 v. 1½ mi.	Vis. 1 v. 1½ mi.	Vis. mi.

$\bar{T} = 29$

$HDD = 36$

$\Sigma HDD = 392$

$\Sigma PCN_L = .82"$

$\Sigma PCN_S = 1.4"$

$T_{ROOF} = 30$

$T_{D\,RAMOS} = 26.5$

$T_{D\,UNV} = 29$

Wednesday Jan. 13, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. SSE	Temp. 71 °F	* MAX T OCCURED ~ MIDNIGHT ZL-, OCNL ZR- obs - 0930 LT R- 0930-1030 LT (ONOR) L- 2230 - obs (OCNL R-)		
Min. 31 °F	Vel. 6 m.p.h.	Read. 28.70 in.			
Set 36 °F	Char. 'UNSTEADY'	Corr. 28.58 in.	0700	1200	1900
R.H. 82 %	24 hr. Mov. N/A mi.	Sea L. 29.98 in.	Clds. - 10/10	Clds. 10/10	Clds. 4/10 SC
Ppn. Liq. 0.25 in.	Prev. Dir. N/A	3 hr. Tend. -1.2\ mb	Wx CLOUDY, FOG	Wx RW-	Wx chilly, breezy
Ppn. Sol. 0 in.	Snow Depth T in.	Observer CPB	Vis. 2v.4 mi.	Vis. 6 mi.	Vis. 10 mi.

$\bar{T} = 34$

$H_{>>} = 31$

$\Sigma H_{>>} = 423$

$\Sigma PPN._L = 1.07"$

$\Sigma PPN._S = 1.4"$

$T_{roof} = 36$

$T_N = 34$

$T_d = 31$

$T_{d_{NAM}} = 33$

$T_{d_{RAMOS}} = 32$

R-, ocnl R
(2315 – 0845 LT)
0400 – 0500 LT

← MOST PRECIP. OCRD HERE

Thursday, 14 Jan 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. NW	Temp. 72 °F	L- obs→900 LT RW- ocnl RW+ 1105→1245LT Gusts to 35 mph Frpa (hail) 1135LT SW- 2030-0130 LT * average Td used		Prs jump 2 mb
Min. 29 °F	Vel. 9 m.p.h.	Read. 28.88 in.			
Set 30 °F	Char. breezy	Corr. 28.75 in.	0700	1300	1900
R.H. * 71 %	24 hr. Mov. N/A mi.	Sea L. 30.17 in.	Clds. 1%0 - ST	Clds. 10/10 Sc	Clds. 10/10 Sc
Ppn. .22 in. Liq.	Prev. Dir. N/A	3 hr. Tend. 1.5/ mb	Wx Chilly, breezy	Wx Spittin' Snow Cold, Grey	Wx Cloudy & Cold
Ppn. T in. Sol.	Snow Depth 0 in.	Observer MHB	Vis. 10 mi.	Vis. 15 mi.	Vis. 6 mi.

$T = 28$

$Td_{Ramos} = 19$

$Td_{UNV} = 23$

$\bar{T} = 36$

$HDD = 29$

$\Sigma HDD = 452$

$\Sigma CDD = 0$

$\Sigma pcn_L = 1.29''$

$\Sigma pcn_S = 1.4''$

Friday Janvary 15, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 31 °F	Dir. W	Temp. 72 °F	OCNL SW- 1000~1500 LT 2300~0700 LT (PCN VAY LGT)		
Min. 28 °F	Vel. 7 m.p.h.	Read. 28.97 in.			
Set 28 °F	Char. Steady	Corr. 28.84 in.			
R.H. 73 %	24 hr. Mov. NA mi.	Sea L. 30.26 in.	0700	1300	1900
Ppn. Liq. T in.	Prev. Dir. NA	3 hr. Tend. +0.0✓ mb	Clds. 10/10 St	Clds.	Clds. 10/10
Ppn. Sol. T in.	Snow Depth T in.	Observer HDS	Wx A Few Flurries Cloudy+Cold	Wx	Wx -
			Vis. 7 mi.	Vis. mi.	Vis. 6 mi.

$\bar{T} = 30$

HDD = 35

$\Sigma HDD = 487$

$\Sigma PCN_L = 1.29''$

$\Sigma PCN_S = 1.4''$

$T_{roof} = 27$

$T_{Drains} = 18$

$T_{DUNV} = 21$

Saturday, January 16, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 32 °F	Dir. WNW	Temp. 72 °F	OCNL SW - 0815 ~ 0800 LT S - 0800 LT ~ 1000 LT OCNL SW - 1000 LT - 1500 LT		
Min. 27 °F	Vel. 4 m.p.h.	Read. 28.87 in.			
Set 28 °F	Char. Steady	Corr. 28.74 in.	0700	1300	1900
R.H. 63 %	24 hr. Mov. NA mi.	Sea L. 30.17 in.	Clds. 10/10	Clds.	Clds. 10/10 ST
Ppn. Liq. .01 in.	Prev. Dir. NA	3 hr. Tend. 0 ~ mb	Wx -	Wx	Wx light winds some fog
Ppn. Sol. 0.1 in.	Snow Depth 0 in.	Observer SGG	Vis. 10 v 15 mi.	Vis. mi.	Vis. 3 v. 7 mi.

$T_{ROOF} = 26$

$T_{D\,UW} = 20$

$T_{D\,RAMOS} = 15$

$\bar{T} = 30$

$HDD = 35$

$\Sigma HDD = 522$

$\Sigma PCN_L = 1.30"$

$\Sigma PCN_S = 1.5"$

Sunday, 17 January 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 31 °F	Dir. SW	Temp. 72 °F	-heavy fog SW along Tussey - some light haze in valley E and along Mt. Nittany		
Min. 27 °F	Vel. 9 m.p.h.	Read. 28.55 in.			
Set 29 °F	Char. Steady	Corr. 28.42 in.			
R.H. 75 %	24 hr. Mov. N/A mi.	Sea L. 29.82 in.	0700 Clds. -10/10 St	1300 Clds.	1900 Clds. 10/10
Ppn. Liq. 0 in.	Prev. Dir. N/A	3 hr. Tend. -1.0↘ mb	Wx cool, cloudy	Wx	Wx —
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MHB	Vis. 10 mi.	Vis. mi.	Vis. 10 mi.

$T_{roof} = 27$

$Td_{Ramos} = 18$

$Td_{UNV} = 22$

$\bar{T} = 29$

$HDD = 36$

$\Sigma HDD = 558$

$\Sigma CDD = 0$

$\Sigma pcn_L = 1.30''$

$\Sigma pcn_S = 1.5''$

Monday, 18 January 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 34 °F	Dir. S	Temp. 71 °F	SW- 1300 LT - 1500 LT SW- 2100 LT - 2200 LT CLOUDS S ALONG RIDGES		
Min. 21 °F	Vel. 10 m.p.h.	Read. 29.08 in.			
Set 21 °F	Char. Steady	Corr. 28.95 in.	0700	1300	1900
R.H. 57 %	24 hr. Mov. NA mi.	Sea L. 30.41 in.	Clds. 0/10	Clds.	Clds. -SCT
Ppn. Liq. T in.	Prev. Dir. NA	3 hr. Tend. +3.5 mb	Wx Cold	Wx	Wx Cold & Dry
Ppn. Sol. T in.	Snow Depth 0 in.	Observer SGG	Vis. 15 mi.	Vis. mi.	Vis. 6 mi.

$T_{ROOF} = 19$

$T_{D\,RAMPS} = 6$

$T_{D\,UNN} = 7$

$\bar{T} = 28$

$HDD = 37$

$\Sigma HDD = 596$

$\Sigma PCN_L = 1.30"$

$\Sigma PCN_S = 1.5"$

Tuesday, January 19, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 28 °F	Dir. SW	Temp. 71 °F	- thin fog along base of ridge and in valley to E		
Min. 14 °F	Vel. 2 m.p.h.	Read. 29.36 in.			
Set 14 °F	Char. Steady	Corr. 29.23 in.	0700	1300	1900
R.H. 71 %	24 hr. Mov. NA mi.	Sea L. 30.72 in.	Clds. 0/10	Clds. 0/10	Clds. 0/10
Ppn. Liq. 0 in.	Prev. Dir. NA	3 hr. Tend. +1.75/ mb	Wx Perfectly Clear + Cold	Wx Clear & Crisp/27°	Wx Clear, Cold
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer HDS	Vis. 15 mi.	Vis. 15 mi.	Vis. 15 mi.

$\bar{T} = 21$

$HDD = 44$

$\Sigma HDD = 640$

$\Sigma PCN_L = 1.30''$

$\Sigma PCN_S = 1.5''$

$T_{ROOF} = 13$

$T_{Oframes} = 3$

$T_{OUNV} = 8$

Wednesday Jan. 20, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 31 °F	Dir. —	Temp. 72 °F	MIN T RCRD ~0800 LT, 1993 SET T = OVRNT LO
Min. 13* °F	Vel. 0 m.p.h.	Read. 29.40 in.	
Set 15 °F	Char. CALM	Corr. 29.27 in.	

0700	1100	1900
Clds. ~0/10	Clds. 0/10	Clds. 0/10
Wx Clear, Very Cold	Wx Clear, Sunny	Wx Clear, Calm
Vis. 15 mi.	Vis. 25 mi.	Vis. 15 mi.

R.H.	24 hr. Mov.	Sea L.	3 hr. Tend.
77 %	N/A mi.	30.66 in.	—0 mb

Ppn. Liq.	Prev. Dir.
0 in.	N/A

Ppn. Sol.	Snow Depth	Observer
0 in.	0 in.	CPB

$\bar{T} = 22$

$H_{\gg} = 43$

$\Sigma H_{\gg} = 683$

$\Sigma ppv._L = 1.50''$

$\Sigma ppv._S = 1.5''$

$Td_{RAMOS} = 6$

$Td_{UNN} = 10$

Thursday, 21 Jan 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 41 °F	Dir. —	Temp. 72 °F	-Jet contrails -some fog in Penns Valley and toward Pine Grove Mills SET TEMP = OVRNT LO		
Min. 14 °F	Vel. 0 m.p.h.	Read. 29.22 in.			
Set 20 °F	Char. Calm	Corr. 29.09 in.	0700	1300	1900
R.H. 71 %	24 hr. Mov. N/A mi.	Sea L. 30.55 in.	Clds. 10/10 St	Clds. 10/10 OVC Cs BKN As	Clds. 10/10 Ns
Ppn. Liq. 0 in.	Prev. Dir. N/A	3 hr. Tend. +0− mb	Wx Calm, Cool	Wx Grey + Cold Sun Dimly Vsbl	Wx Lt. Drizzle, Cold, Gray
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MHB	Vis. 15 mi.	Vis. 20 mi.	Vis. 2½ mi.

$T_{roof} = 20$

$T_{d\ UNV} = 13$

$T_{d\ Ames} = 11$

$\bar{T} = 28$

$HDD = 37$

$\Sigma HDD = 720$

$\Sigma pcn_L = 1.30''$

$\Sigma pcn_S = 1.5''$

Friday, January 22, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 33 °F	Dir. —	Temp. 74 °F	* overnight low ~ 33 - thick blanket of fog along lower half of Tussey Ridge, along base of Mt. Nittany, into valley to E (over)		
Min. * 20 °F	Vel. 0 m.p.h.	Read. 28.75 in.			
Set 33 °F	Char. Calm	Corr. 28.62 in.			
			0700	1100	1900
R.H. 89 %	24 hr. Mov. NA mi.	Sea L. 30.02 in.	Clds. 9/10 St	Clds. 10/10	Clds. 10/10
Ppn. Liq. .78 in.	Prev. Dir. NA	3 hr. Tend. -0.5 \ mb	Wx Patchy Fog, Tranquil	Wx lgt winds, some fog	Wx Clammy
Ppn. Sol. .3 in.	Snow Depth T in.	Observer HDS	Vis. 2 v. 5 mi.	Vis. 5 v. 8 mi.	Vis. 10 mi.

$\bar{T}$ = 27

HDD = 38

ΣHDD = 758

ΣPCN_L = 2.08"

ΣPCN_S = 1.8"

T_{ramos} = 31

$T_{D_{ramos}}$ = 28

$T_{D_{UNV}}$ = NA

R- 1150-1240 LT (TMP=33)

ZR- 1240-1400 LT (TMP=31)

ICE ON SIDEWALKS, TREES, ETC.

IP-, SW- 1400-1500 LT

.15" Liq @ 1500 LT

IP-ZR- 1500-1545 LT

R- 1545-0230 LT

OCNL ZR- (TMP VARIED 32-33)

Saturday, January 23, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 36 °F	Dir. W	Temp. 72 °F	RW-, SW- 1430-1540 LT SG- 0000-0100 LT		
Min. * 33 °F	Vel. 12 m.p.h.	Read. ~~28.96~~ in.			
Set 34 °F	Char. Steady	Corr. 28.83 in.	*OVNT LOW = 34		
R.H. 64 %	24 hr. Mov. NA mi.	Sea L. 30.24 in.	0700	1300	1900
Ppn. Liq. .03 in.	Prev. Dir. NA	3 hr. Tend. +.25 mb	Clds. 10/10 Wx Pleasant	Clds. Wx	Clds. 3/10 Wx light winds vsby
Ppn. Sol. T in.	Snow Depth 0 in.	Observer SGG	Vis. 10 mi.	Vis. mi.	Vis. 10 mi.

$\bar{T} = 35$

$HDD = 30$

$\Sigma HDD = 788$

$\Sigma PCN_L = 2.11"$

$\Sigma PCN_S = 1.8"$

$T_{RMS} = 33$

$T_{ORMS} = 22$

$T_{DWN} = 27$

Sunday, 24 Jan 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 39 °F	Dir. —	Temp. 73 °F	- fog at base of Mt. Nittany and in Penns Valley - fog at base of Tussey Ridge		
Min. 27 °F	Vel. 0 m.p.h.	Read. 28.65 in.			
Set 29 °F	Char. Calm	Corr. 28.52 in.	0700	1300	1900
R.H. 78 %	24 hr. Mov. N/A mi.	Sea L. 29.92 in.	Clds. 8/10 St	Clds.	Clds. 10/10
Ppn. 0 Liq. in.	Prev. Dir. N/A	3 hr. Tend. -1.2 \ mb	Wx foggy, calm, cool	Wx	Wx Rain Snow
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MHB	Vis. 7 mi.	Vis. mi.	Vis. 10 mi.

$T_{roof} = 29$

$T_{d\,RAMOS} = 22$

$T_{d\,UNV} = 24$

$\bar{T} = 33$

$HDD = 32$

$\Sigma HDD = 820$

$\Sigma pcn_L = 2.11''$

$\Sigma pcn_S = 1.8''$

Monday January 25, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. S	Temp. 72 °F	RW- 0950 -0955 LT IPW - 0955 - 1000 LT PRSSMP 3.5 mb w/T at UNV IPW-/RW- 1000 LT - 1030 LT RW- 1030- 1045 LT (OVER)		
Min. 24 °F	Vel. 10G15 m.p.h.	Read. 29.07 in.			
Set 24 °F	Char. Gusty	Corr. 28.93 in.	0700	1300	1900
R.H. 57 %	24 hr. Mov. NA mi.	Sea L. 30.38 in.	Clds. 6/10	Clds. 4/10	Clds. Sct
Ppn. .24 Liq. in.	Prev. Dir. NA	3 hr. Tend. +1.0 mb	Wx Cold!	Wx Sunny	Wx Mostly Clear + Cold
Ppn. 0.1 Sol. in.	Snow Depth T in.	Observer SGG	Vis. 25 mi.	Vis. 20 mi.	Vis. 7 mi.

$T_{roof} = 22$

$T_{d_{RAIN}} = 9$

$T_{d\,UW} = 13$

$\bar{T} = 32$

$HDD = 33$

$\Sigma HDD = 853$

$\Sigma PCN_L = 2.35"$

$\Sigma PCN_S = 1.8"$

OAK- RW- 1100-1640 LT
1640LT FROPA RW+
Gusts to 46 MPH
RW- 1650-1800 LT
RW-SW- 1830-2100 LT
SW- 0100- LT ; SW- 0437-0500 LT

Tuesday, January 26, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 29 °F	Dir. —	Temp. 72 °F	ORNL SW- 1100 - 0300 LT		
Min. 12 °F	Vel. 0 m.p.h.	Read. 29.23 in.			
Set 14 °F	Char. Calm	Corr. 29.10 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. NA mi.	Sea L. 30.59 in.	Clds. 9/10	Clds.	Clds. -2/10 Ci
Ppn. T Liq. in.	Prev. Dir. NA	3 hr. Tend. +0.5 mb	Wx Clear & Cold Tranquil	Wx	Wx Chilly
Ppn. T Sol. in.	Snow Depth T in.	Observer HDS	Vis. 20 mi.	Vis. mi.	Vis. 10 mi.

$\bar{T} = 21$

$HDD = 44$

$\Sigma HDD = 897$

$\Sigma PCN_L = 2.35"$

$\Sigma PCN_S = 1.9"$

$T_{roof} = 13$

$T_{D\,ramos} = 8$

$T_{D\,UNV} = 9$

Wednesday Jan. 27, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 32 °F	Dir. –	Temp. 72 °F	OVERNIGHT LOW ~ 21		
Min. 14 °F	Vel. 0 m.p.h.	Read. 28.77 in.			
Set 23 °F	Char. CALM	Corr. 28.64 in.			
R.H. 65 %	24 hr. Mov. N/A mi.	Sea L. 30.07 in.	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. N/A	3 hr. Tend. -1.2 ↘ mb	Clds. - 1/10 Str.	Clds. -10/10 Str	Clds. 4/10
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer CPB	Wx CLOUDY/ COLD	Wx cloudy, SW cold,	Wx cold breezy
			Vis. 6 mi.	Vis. 6 mi.	Vis. 10 mi.

$\bar{T} = 23$

$H_{>>} = 32$

$\Sigma H_{>>} = 929$

$\Sigma ppn._L = 2.35"$

$\Sigma ppn._S = 1.9"$

$T_{roof} = 23$

$T_{d\,RAMPS} = 11$

$T_{d\,HWY} = 13$

Thursday, 28 January 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 34 °F	Dir. S	Temp. 73 °F	- some distant fog in Penns Valley		
Min. 22 °F	Vel. 5 m.p.h.	Read. 28.82 in.	SW--, OCNL SW- 0740-1100LT		
Set 24 °F	Char. light	Corr. 28.69 in.	0700	1300	1900
R.H. 65 %	24 hr. Mov. N/A mi.	Sea L. 30.13 in.	Clds. -2/10 CS	Clds.	Clds. -7/10
Ppn. Liq. T in.	Prev. Dir. N/A	3 hr. Tend. +0^ mb	Wx cold, light winds	Wx	Wx Thin Clouds + Cold
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MHB	Vis. 12 mi.	Vis. mi.	Vis. 7 mi.

$T_{roof} = 22$

$T_{d\,UVV} = 14$

$T_{d\,Ramos} = 12$

$\bar{T} = 28$

$HDD = 37$

$\sum HDD = 966$

$\sum PCN_L = 2.35''$

$\sum PCN_S = 1.9''$

Friday, January 29, 1993

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 39 °F	Dir. W	Temp. 74 °F	* overnight low ~ 27° ** SW at beginning of obs, movd quickly east S- 1030-1230 LT (PCN$_S$=.1", PCN$_L$=.01") Random Flurries after 1230 LT (over)		
Min. * 24 °F	Vel. 17 m.p.h.	Read. 28.80 in.			
Set 28 °F	Char. 10 v. 20	Corr. 28.67 in.			
R.H. 71 %	24 hr. Mov. NA mi.	Sea L. 30.09 in.	0700	1300	1900
Ppn. Liq. .05 in.	Prev. Dir. NA	3 hr. Tend. +3.5/ mb	Clds. 5/10 Cu Sc	Clds. 5/10 Sc	Clds. 6/10
Ppn. Sol. .4 in.	Snow Depth T in.	Observer HDS	Wx ** Fast Moving Clouds Blustery, Cold	Wx Flurries, Breezy, Cold	Wx cold, gusty winds
			Vis. 5 v. 15 mi.	Vis. 25 mi.	Vis. 15 mi.

$\bar{T} = 32$

$HDD = 33$

$\Sigma HDD = 999$

$\Sigma PCN_L = 2.40"$

$\Sigma PCN_S = 2.3"$

$T_{ROOF} = 26$

$T_{Oramos} = 17.4$

$T_{OUNV} = 18$

R- 0830 ~ 0200 LT

(Max) Temp = 39° ~ 0100 LT

OCNL SW 0200-0700 LT

FROPA ~ 0200 LT

Saturday, January 30, 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 28 °F	Dir. W	Temp. 73 °F	OVC SW- 0700 LT-1300 LT		
Min. 18 °F	Vel. G26 15 m.p.h.	Read. 28.96 in.			
Set 21 °F	Char. Gusty Speed Var.	Corr. 28.83 in.	0700	1300	1900
R.H. 43 %	24 hr. Mov. NA mi.	Sea L. 30.28 in.	Clds. 9/10	Clds.	Clds. -4/10
Ppn. T Liq. in.	Prev. Dir. NA	3 hr. Tend. NA mb	Wx COLD W/ GUSTY WINDS	Wx	Wx windy cool
Ppn. T Sol. in.	Snow Depth T in.	Observer SGG	Vis. 20V25 mi.	Vis. mi.	Vis. 10 mi.

$\bar{T} = 23$

$HDD = 42$

$\Sigma HDD = 1043$

$\Sigma PCN_L = 2.40"$

$\Sigma PCN_S = 2.3"$

$T_{RAMOS} = 19$

$T_{ORAMOS} = \emptyset$

$T_{DUN} = 3$

Sunday, 31 January 1993 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 35 °F	Dir. S-SW	Temp. 73 °F	-Jet contrails PK WND FRQ Exceeding 40 mph (V30) overnight low ≈ 31		
Min. * 19 °F	Vel. G30 10 m.p.h.	Read. 28.36 in.			
Set 34 °F	Char. Gusty	Corr. 28.23 in.	0700	1300	1900
R.H. 37 %	24 hr. Mov. N/A mi.	Sea L. 29.61 in.	Clds. -3/10	Clds.	Clds. 9/10
Ppn. 0 Liq. in.	Prev. Dir. N/A	3 hr. Tend. -.21 mb	Wx windy chilly	Wx	Wx Breezy mild
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MHB	Vis. 25 mi.	Vis. mi.	Vis. 20 mi.

$T_{roof} = 32$

$T_{@Ramos} = 7$

$T_{duw} = 10$

$\bar{T} = 27$

$HDD = 38$

$\Sigma HDD = 1068$

$\Sigma pcn_L = 2.40''$

$\Sigma pcn_S = 2.3''$