Sun. JANUARY 1, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 39 °F	Dir. E	Temp. 78			
Min. 21 °F	Vel. 7 m.p.h.	Read. 28.94			
Set 28 °F	Char.	Corr. 28.80			
			0700	1300	1900
R. H. 61 %	24 hr. Mov. 66 mi	Sea L. 30.21	Clds. 10/10	Clds.	Clds.
Ppn. Liq. - in.	Prev. Dir. W	3 hr. Tend. -1.1mb\	Wx -	Wx	Wx
Ppn. Sol. - in.	Snow Depth - in.	Observer FJG	Vis. 15 mi	Vis.	Vis.

$T_{roof} = 29$ $T_d = 15$

$\bar{T} = 30$

$DD = 35$

$\Sigma DD = 35$

$\Sigma PCN(L) = 0$

$\Sigma PCN(S) = 0$

MON. JAN. 2, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 32 °F	Dir. SW	Temp. 74	STRATUS ON TUSSEY + BALD EAGLE RIDGES; MT. NITTANY UNOBSCURED
Min. 28 °F	Vel. 7 m.p.h.	Read. 28.70	PATCHY CIRRUS
Set 28 °F	Char. STDY	Corr. 28.57	FREEZING DRIZZLE, VERY LIGHT, EVENING OF JAN 1.
R. H. 79 %	24 hr. Mov. 63 mi.	Sea L. 29.98	
Ppn. T Liq. in.	Prev. Dir. S	3 hr. Tend. -1.0mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JHM	

0700	1300	1900
Clds. 2/10	Clds.	Clds.
Wx MSTLY CLR	Wx	Wx
Vis. 4 mi.	Vis.	Vis.

$T_{ROOF} = 29$ $T_l = 23$ $T_{l\,UNV} = 27$

$\overline{T} = 30$

$DD = 35$

$\Sigma_{DD} = 70$

$\Sigma_{RW(L)} = T$

$\Sigma_{RW(S)} = 0$

TUE. JAN 3, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 38 °F	Dir. WNW	Temp. 76	CLOUDS MSTLY STRATOCU FLURRIES AFTER 1800 LT, 2ND
Min. 21 °F	Vel. 7 m.p.h.	Read. 28.63	
Set 21 °F	Char. STDY	Corr. 28.50	
R. H. 57 %	24 hr. Mov. 226 mi.	Sea L. 29.92	
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. STDY	
Ppn. T Sol. in.	Snow Depth 0 in.	Observer JHM	

0700	1300	1900
Clds. 5/10	Clds.	Clds.
Wx PTLY CLDY	Wx	Wx
Vis. 15 Mi.	Vis.	Vis.

$T_{roof} = 22$ $T_{\ell} = 9$ $T_{\ell\,min} = 12$

$\bar{T} = 30$

$DD = 35$

$\Sigma_{DD} = 105$

$\Sigma_{PLN(L)} = T$

$\Sigma_{PLN(S)} = T$

WED JAN 4, 1988 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 30 °F	Dir. NNW	Temp. 77	PRESRR SB C. 1600 LOCAL = S- OCASNL S 1800 - 2200 LT OCASNL SW - 2200 - 0200 LT
Min. 13 °F	Vel. 9 m.p.h.	Read. 28.69	
Set 13 °F	Char. GUSTS TO 18 MPH	Corr. 28.55	
R. H. 61 %	24 hr. Mov. 59 mi.	Sea L. 29.99	
Ppn. Liq. .22 in.	Prev. Dir. NNW	3 hr. Tend. +5.0 mb/	
Ppn. Sol. 4.0 in.	Snow Depth 4 in.	Observer JHM	

0700	1300	1900
Clds. 5/10 V	Clds.	Clds.
Wx PTLY CLDY	Wx	Wx
Vis. 20 mi.	Vis.	Vis.

$T_{ROOF} = 14$ $T_d = 3$

$\bar{T} = 22$

$DD = 43$

$\Sigma_{DD} = 148$

$\Sigma_{PCM(L)} = 0.22''$

$\Sigma_{PCM(S)} = 4.0''$

THURS. JAN 5, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 19 °F	Dir. SW	Temp. 78	FEW SW- 0700-0930 LT, 4th S-B c. 0600, 5th RAMS OVRNT LO = 5 FROM 2300-0200 LT
Min. 2 °F	Vel. 3 m.p.h.	Read. 28.88	
Set 7 °F	Char. light	Corr. 28.74	
R. H. 52 * %	24 hr. Mov. 97 mi.	Sea L. 30.22	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +0MB ∨	
Ppn. Sol. T in.	Snow Depth 3 in.	Observer JHM	

0700	1300	1900
Clds. 1%	Clds.	Clds.
Wx S-	Wx	Wx
Vis. 4 mi.	Vis.	Vis.

$T_{ROOF} = 8$ $T_d = -6$ $T_{d\,UNV} = 0$

* RH calc uses RAMOS T_d, which has suspiciously low value

$\bar{T} = 11$

$DD = 54$

$\Sigma_{DD} = 202$

$\Sigma_{PCN(L)} = 0.22''$

$\Sigma_{PCN(S)} = 4.0''$

FRI. JAN 6, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 20 °F	Dir. E	Temp. 78	SB C. 0230 LT (S-)
Min. 7 °F	Vel. 14 m.p.h.	Read. 28.72	period of S C. 0330-0415 LT
Set 17 °F	Char. STDY	Corr. 28.58	ZL B C. 0630 LT
R. H. 69 %	24 hr. Mov. 19 mi.	Sea L. 30.02	RAMOS OVRNT LO = 14
Ppn. Liq. .10 in.	Prev. Dir. E	3 hr. Tend. -1.5mb	
Ppn. Sol. 1.3 in.	Snow Depth 4 in.	Observer JHM	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx ZL, F	Wx	Wx
Vis. 1 mi.	Vis.	Vis.

$T_{roof} = 19$ $T_d = 10.5$

$\bar{T} = 14$

$DD = 51$

$\Sigma_{DD} = 253$

$\Sigma_{PCN(L)} = 0.32''$

$\Sigma_{PCN(S)} = 5.3''$

SAT. 07 Jan. 89 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 27 °F	Dir. 90	Temp. 78	ZL Ended 0835 LT 06 Jan S-Began became S 0900 LT Occasional St tapered to S- Ended 1435 LT 06 Jan ZL- overnite 07 Jan (over)
Min. 19 °F	Vel. 2 m.p.h.	Read. 28.96	
Set 24 °F	Char. Light & Variable	Corr. 28.82	Ramos overnite to 23
R. H. 78 %	24 hr. Mov. 41.3	Sea L. 30.25	
Ppn. Liq. .21 in.	Prev. Dir. E	3 hr. Tend. +1.5 mb/3 hrs	
Ppn. Sol. 2.2 in.	Snow Depth 5 in.	Observer JSL	

0700	1300	1900
Clds. St 10/10	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 3 miles	Vis.	Vis.

$T_{max} = 18°$

$\bar{T} = 23°$

$DD = 42$

$\Sigma DD = 295$

$\Sigma PCN(L) = .53"$

$\Sigma PCN(S) = 7.3"$

$T_{root} = 25°$

Fog ALQDS

Glaze Ice over moste objects by ob time

Sun. Jan 8, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 36 °F	Dir. SW	Temp. 72
Min. 24 °F	Vel. 10 m.p.h.	Read. 28.68
Set 36 °F	Char. Steady	Corr. 28.55
R. H. 93 %	24 hr. Mov. 1005 mi	Sea L. 2994
Ppn. Liq. .35 in.	Prev. Dir. S	3 hr. Tend. ↳ -2.5 mb
Ppn. Sol. 0 in.	Snow Depth 3 in.	Observer ESP

General Obs.

Intermittent 2L- ~815 - 2200 LT
Intermittent L- ~2200 - 0300 LT
R-B ~300 LT (R 0400 LT - 0445 LT)

Ridges obscured - cig rdg

No ovnt Lo

	0700	1300	1900
Clds.	10/10 Ns St		
Wx	R-		
Vis.	7 mi		

T_{roof} : 39

T_{wet} : 38

T_{0} . 37

$\bar{T}$: 30

HDD : 35

ΣH_{DD} : 330

Σ Pcn (i) : .88

Σ Rn (S) : 7.5

MON. JAN 9, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. WNW	Temp. 71	R- 0700 - 0830 LT, 8th GUSTS TO 50 MPH c. 1430 LT OVC composed of several layers: SC, AS, CS
Min. 26 °F	Vel. 12 m.p.h.	Read. 28.89	
Set 26 °F	Char. GUSTS TO 18 MPH	Corr. 28.77	
R. H. 46 %	24 hr. Mov. 252 mi.	Sea L. 30.19	
Ppn. Liq. .03 in.	Prev. Dir. W	3 hr. Tend. +1.5 mb	
Ppn. Sol. 0 in.	Snow Depth T in.	Observer JHM	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx CLDY BLUSTERY!	Wx	Wx
Vis. 25 mi.	Vis.	Vis.

$T_{ROOF} = 27 \quad T_d = 9$

$\bar{T} = 37$

$DD = 28$

$\Sigma_{DD} = 358$

$\Sigma_{RAIN(L)} = .91"$

$\Sigma_{RAIN(S)} = 7.5"$

Tues. Jan. 10, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 31 °F	Dir. —	Temp. 78	A calm, quiet morning.
Min. 16 °F	Vel. calm m.p.h.	Read. 29.25	
Set 16 °F	Char. Calm	Corr. 29.11	Rames Out Lo: 19
R. H. 65 %	24 hr. Mov. 109.7	Sea L. 30.58	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. ✓ +0.5mb	
Ppn. Sol. 0 in.	Snow Depth T in.	Observer ESP	

0700	1300	1900
Clds. 4/10 Ci Cs	Clds.	Clds.
Wx SCT	Wx	Wx
Vis. 7m;	Vis.	Vis.

Tramos : 20

T_D : 10

$\bar{T}$: 24

DD: 41

Σ H00: 399

ΣR_{cn} (c): .91"

ΣR_{cn} (s): 7.5"

WED. JAN 11, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. WNW	Temp. 74	*RAMOS OVNT LQ=28 C,47 A FEW CU.		
Min. 16 °F	Vel. 8 m.p.h.	Read. 29.23			
Set 30 °F	Char. STEADY	Corr. 29.10	0700	1300	1900
R. H. 56 %	24 hr. Mov. 114	Sea L. 30.53	Clds. 1/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +3.0mb/	Wx MOSTLY CLEAR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth T in.	Observer MJL	Vis. 17mi	Vis.	Vis.

$\bar{T}$: 27

400 : 38

$\Sigma 4_{99}$: 437

$\Sigma A_{\sim}(c)$: .91"

$\Sigma R_{\sim}(s)$: 7.5"

Thurs. Jan. 12, 1989. 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	
Max.	41 °F	Dir.	S	Temp.	74
Min.	28 °F	Vel.	10 m.p.h.	Read.	29.10
Set	31 °F	Char.	Gusting to 18	Corr.	28.97
R. H.	79 %	24 hr. Mov.	80.8 mi	Sea L.	30.35
Ppn. Liq.	.10 in.	Prev. Dir.	SE	3 hr. Tend.	\ −2.0 mb
Ppn. Sol.	T in.	Snow Depth	T in.	Observer	ESP

General Obs.

ZR-B ~ 0400 LT (few IP at start)

ZR-E, ZL-B ~ 0600 LT

Glaze on all surfaces

Ridgetops obscured – Ci(?)

Range Out 6:30

0700	1300	1900
Clds. 10/10 Ns St	Clds.	Clds.
Wx ZL-F	Wx	Wx
Vis. 2 mi	Vis.	Vis.

T_{frames}: 32

TD: 26

$\bar{T}$: 35

V_{20}: 30

ΣH_{60}: 467

$\Sigma A_{rm}(L)$: 1.01"

$\Sigma A_{rm}(S)$: 7.5^

Fri 13 Jan. 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 44 °F	Dir. 320°	Temp. 73°	ZL-E, R-ZR-B ~0715LT ZR-E ~08:45LT R-E ~11:00LT Gauge emptied 1700LT = 0.22" RW-1400-1420 (OCNB L-) Romeo overnite L_o ~ 27°		
Min. 26 °F	Vel. 12 m.p.h.	Read. 29.00			
Set 26 °F	Char. Steady	Corr. 28.86			
R. H. 52 %	24 hr. Mov. 141.8	Sea L. 30.28	0700	1300	1900
Ppn. Liq. 0.27 in.	Prev. Dir. W	3 hr. Tend. /+3.5mb	Clds. 4/10 SC	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth — in.	Observer JSL	Wx SCT	Wx	Wx
			Vis. 15	Vis.	Vis.

$T_{roof} = 27°$ ramos

$T_{D\,roof} = 9°$

$\overline{T} = 35°$

$DD = 30$

$\Sigma DD = 497$

$\Sigma PCN(L) = 1.28''$

$\Sigma PCN(S) = 7.5''$

SAT. JAN. 14, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 31 °F	Dir. 160°	Temp. 76	SW - 9:50 LT AND SW 1200 - 1230 LT GAUGE EMPTIED - ONLY A TRACE
Min. 12 °F	Vel. 2 m.p.h.	Read. 29.24	
Set 12 °F	Char. STEADY	Corr. 29.10	CIRRUS TO W RAMOS WNW LD = 15°
R. H. 45 %	24 hr. Mov. 130	Sea L. 30.59	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +0.5	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MJL	

0700	1300	1900
Clds. 1/10	Clds.	Clds.
Wx CLEAR	Wx	Wx
Vis. 26 mi	Vis.	Vis.

$T_{ROOF} = 15°$ $T_{D\ UNV} = 10$

$T_{DROOF} = 6°$

$\overline{T} = 22$

$DD = 43$

$\Sigma_{DD} = 540$

$\Sigma P_{eff(L)} = 1.28''$

$\Sigma P_{eff(S)} = 7.5''$

Sun. 15 Jan 89 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 35 °F	Dir. 260	Temp. 72°
Min. 11 °F	Vel. 10 m.p.h.	Read. 28.78
Set 32 °F	Char. Steady	Corr. 28.65
R. H. 76 %	24 hr. Mov. 119 miles	Sea L. 30.06
Ppn. Liq. 0.35 in.	Prev. Dir. S	3 hr. Tend. +0.1 mb/3hr
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JSL

General Obs.

ZR- Began ~ 1700 LT 14 Jan 89
Occnl IPPs Mxd
Occnl ZR
ZR- Ended 0100 LT 15 Jan 89
MINT ocurD C. 0730 LT 14th 28
Ramos Overnite Low

0700	1300	1900
Clds. 10/10 St	Clds.	Clds.
Wx OVC/F	Wx	Wx
Vis. 4 miles	Vis.	Vis.

$T_D = 26°$

$T_{road} = 33°$

$\overline{T} = 23°$

$DD = 42$

$\Sigma DD = 582$

$\Sigma pcn(u) = 1.63"$

$\Sigma pcn(s) = 7.5"$

MON JAN 16, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. W	Temp.	Periods of Drizzle during day, 15th		
Min. 30 °F	Vel. 15 m.p.h.	Read.			
Set 30 °F	Char. Gusts to 22 mph	Corr.			
			0700	1300	1900
R. H. 56 %	24 hr. Mov. 122 mi.	Sea L. 30.04"	Clds. 10/10 V	Clds.	Clds.
Ppn. Liq. .01 in.	Prev. Dir. W	3 hr. Tend. +1.0mb	Wx OVC	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 10 mi.	Vis.	Vis.

$T_{ROOF} = 31$ $T_d = 17$

$\bar{T} = 35$

$DD = 30$

$\Sigma_{DD} = 612$

$\Sigma_{PCN(L)} = 1.64''$

$\Sigma_{PCN(S)} = 7.5''$

Tues. Jan. 17, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 39 °F	Dir. SW	Temp. 67	SW- ~945 LT - 945 LT ~1000 LT - 1015 LT
Min. 28 °F	Vel. 20 m.p.h.	Read. 28.84	Few stratus NE
Set 30 °F	Char. Gusting to 25	Corr. 28.73	Rawin out to: 29
R. H. 45 %	24 hr. Mov. 189.5	Sea L. 30.12	
Ppn. T Liq. in.	Prev. Dir. SW	3 hr. Tend. V +0.0mb	
Ppn. T Sol. in.	Snow Depth 0 in.	Observer ESP	

	0700	1300	1900
Clds.	0/10		
Wx	CLR		
Vis.	25 mi.		

T_{trans}: 31

T_D 12

$\bar{T}$: 34

H_{DD} 31

ΣH_{DD}: 643

$\Sigma A_{eff}(W)$: 1.64"

$\Sigma A_{eff}(S)$: 7.5"

WED JAN 18, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 46 °F	Dir. WSW	Temp. 68	GUST TO 50 MPH c. 1245LT		
Min. 23 °F	Vel. 5 m.p.h.	Read. 28.80	STRATOCU TO EAST		
Set 26 °F	Char. STDY	Corr. 28.68	RAMOS OVNT LO: 28		
			0700	1300	1900
R. H. 55 %	24 hr. Mov. 175 mi	Sea L. 30.10	Clds. 1/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. -0.1mb	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MJL	Vis. 14mi	Vis.	Vis.

$T_{ROOF} = 29$ $T_b = 15$

$\bar{T} = 35$

$DD = 30$

$\Sigma_{DD} = 673$

$\Sigma_{PCN(L)}$: 1.64"

$\Sigma_{PCN(S)}$: 7.5"

Thurs. Jan. 19, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 51 °F	Dir. W	Temp. 68	RW ~ 2000 LT - 2010 LT
Min. 26 °F	Vel. 22 m.p.h.	Read. 28.80	Virga N, approching surface
Set 35 °F	Char. Gusting to 34	Corr. 28.68	Cig rsd
R. H. 60 %	24 hr. Mov. 194.1	Sea L. 30.07	Presrr
Ppn. T Liq. in.	Prev. Dir. SW	3 hr. Tend. /+4.5 mb	Rawrs over Lo: 35
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 10/10 SC	Clds.	Clds.
Wx OVC, windy!	Wx	Wx
Vis. 5 mi	Vis.	Vis.

T_{roof} : 39 T_0 : 26

T_{wet} : 34

$\bar{T}$: 38

ΔT : : 27

ε_{bar} : 700

$\varepsilon_{pc-(L)}$: 1.64"

$\varepsilon_{pc-(L)}$: 7.5"

20 January 1989 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 43 °F	Dir. SW	Temp. 76°	Nothing exciting
Min. 32 °F	Vel. 14 m.p.h.	Read. 28.62	RAOBS OVRNT LO = 36 C. 2200 LT
Set 39 °F	Char. Steady	Corr. 28.48	FROST on PARKED CARS
R. H. 40 %	24 hr. Mov. 123.2mi	Sea L. 29.85	
Ppn. Ø Liq. in.	Prev. Dir. W	3 hr. Tend. +.5 mb/3hr	
Ppn. Ø Sol. in.	Snow Depth Ø in.	Observer JSL	

	0700	1300	1900
Clds.	Clds. 1Ø/1Ø Sto	Clds.	Clds.
Wx	Wx OVC	Wx	Wx
Vis.	Vis. 15	Vis.	Vis.

$T_{\text{transition}} = 36°$ $T_{\text{roof}} = 40°$

$T_0 = 15°$

$\bar{T} = 38°$

$DD = 27$

$\Sigma DD = 727$

$\Sigma pcn(l) = 1.64$

$\Sigma pcn(s) = 7.5$

SAT. JAN 21, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 42 °F	Dir. WNW	Temp. 77°
Min. 9 °F	Vel. 12 m.p.h.	Read. 29.11
Set 9 °F	Char. GUSTS TO 22 mph	Corr. 28.97
R. H. 52 %	24 hr. Mov. 265 mi	Sea L. 30.46
Ppn. Liq. .03 in.	Prev. Dir. W	3 hr. Tend. +3.5mb
Ppn. Sol. .30 in.	Snow Depth T in.	Observer MJL

General Obs.

SW ~ 1100 LT
OCNL SW - 1230 - 1430 LT
GAUGE EMPTIED c. 1227
- .03" LIQ / .30" SOL

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx CLEAR	Wx	Wx
Vis. 20 mi	Vis.	Vis.

$T_{Roof} = 10$ $T_0 = -4$

$\bar{T} = 26$

$DD = 39$

$\Sigma_{DD} = 766$

$\Sigma_{PCN(L)} = 1.67''$

$\Sigma_{PCN(S)} = 7.8''$

Sun. Jan. 22, 1989 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 26 °F	Dir. —	Temp. 77	Few ci E
Min. 9 °F	Vel. Calm m.p.h.	Read. 29.16	Light valley fog near Tussey ridge.
Set 16 °F	Char. Calm	Corr. 29.02	Rains Out to: 17

	0700	1300	1900
R. H. 56 %	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Vis. 10 mi	Vis.	Vis.

Snow Depth 0 in. — 24 hr. Mov. 74.8 mi — Sea L. 30.49 — Prev. Dir. W — 3 hr. Tend. ↓ +0.5mb — Observer ESP

T_{avg} : 17

T_d : 4

$\bar{T}$: 18

$\delta\delta$: 47

ΣH_{DD}: 813

$\Sigma P_{ea}(c)$: 1.67"

$\Sigma P_{ea}(s)$: 7.8"

MON. JAN 23, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 43 °F	Dir. NW	Temp. 77	FEW AST SE
Min. 13 °F	Vel. 3 m.p.h.	Read. 29.01	LGT FOG SURROUNDING MT. NITTANY
Set 18 °F	Char. LIGHT, STEADY	Corr. 28.87	RAMOS ONT LO, 21°
R. H. 57 %	24 hr. Mov. 58mi	Sea L. 30.33	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +0.0 —	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MJL	

0700	1300	1900
Clds. 1/10	Clds.	Clds.
Wx MSTLY CLEAR	Wx	Wx
Vis. 12mi	Vis.	Vis.

$T_{ROOF} = 21$

$T_b = 8$

$\bar{T} = 28$

$DD = 37$

$\Sigma_{DD} = 850$

$\Sigma_{PCN(L)} = 1.67''$

$\Sigma_{PCN(S)} = 7.8''$

Meteorological Observatory
University Park, Pa.

Tues. Jan. 24, 1989 0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 54 °F	Dir. SW	Temp. 74	Lt. valley Fog NE, E
Min. 18 °F	Vel. 3 m.p.h.	Read. 28.90	Lenticular clouds capping Mt. Nittany, Tussey Ridge
Set 23 °F	Char. Occasionally Calm	Corr. 28.77	Ramos Ovnt 10: 27
R. H. 58 %	24 hr. Mov. 24.2 mi	Sea L. 30.19	
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. ↓ +1.0 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 3/10 St	Clds.	Clds.
Wx SCT	Wx	Wx
Vis. 10 mi	Vis.	Vis.

T_{max} : 29

T_D : 16

$\bar{T}$: 36

#DD : 29

ΣH_{DD} : 879

$\Sigma Pcn(L)$: 1.62 "

$\Sigma Pcn(S)$: 7.8 "

WED. JAN 25, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. NE	Temp. 76	RAMOS OVNT 20:33
Min. 23 °F	Vel. 10 m.p.h.	Read. 29.07	
Set 32 °F	Char. GUSTY & VARIABLE	Corr. 28.93	
R. H. 61 %	24 hr. Mov. 55.2 mi	Sea L. 30.35	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +2.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MJL	

0700	1300	1900
Clds. 10/10 St	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 4 mi	Vis.	Vis.

$T_{ROOF} = 33$ $T_0 = 20$

$\bar{T} = 37$

$DD = 28$

$\Sigma_{DD} = 907$

$\Sigma_{PCN(L)}$: 1.67"

$\Sigma_{PCN(S)}$: 7.8"

Thurs. Jan. 26, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. 38 °F	Dir. S	Temp. 73
Min. 30 °F	Vel. 16 m.p.h.	Read. 28.98
Set 35 °F	Char. Gusting to 22	Corr. 28.86
R. H. 72 %	24 hr. Mov. 106.2 mi	Sea L. 30.26
Ppn. Liq. .03 in.	Prev. Dir. S	3 hr. Tend. L -3.0 mb
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ESP

General Obs.

Few SP- ~1000 LT
~1430 LT
SP-B ~ 2300 LT
SP-E, R-L-B ~ 2345 LT
R-L- became intermittent ~ 0100 LT
Fog, cufrm all quads, cigrgd
[illegible] Quot [illegible]: 23

0700	1300	1900
Clds. 10/10 NS ST FC	Clds.	Clds.
Wx R- L- F	Wx	Wx
Vis. 2 mi	Vis.	Vis.

T_{roof} : 35

T_0 : 27

$\bar{T}$: 34

H_{DD} : 31

ΣH_{DD} : 938

$\Sigma P_{cm(i)}$: 1.70"

$\Sigma P_{cm(s)}$: 7.8"

Friday 27 Jan 89 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 52 °F	Dir. WNW	Temp. 70°	Ramos overnight Lo 30
Min. 29 °F	Vel. 18 m.p.h.	Read. 28.74	
Set 29 °F	Char. Steady	Corr. 28.62	Gauge emptied 1820 LT .02"
R. H. 54 %	24 hr. Mov. 259 miles	Sea L. 30.03	
Ppn. Liq. .04 in.	Prev. Dir. W	3 hr. Tend. /+1 mb/3hrs	
Ppn. Sol. — in.	Snow Depth — in.	Observer JSL	

0700	1300	1900
Clds. 4/10 Sc	Clds.	Clds.
Wx SCT	Wx	Wx
Vis. 15 miles	Vis.	Vis.

$T_{roof} = 30°$

$T_0 = 13°$

$\overline{T} = 41°$

$DD = 24$

$\Sigma DD = 969$

$\Sigma PCN(L) = 1.74°$

$\Sigma PCN(S) = 7.8°$

SAT JAN. 28, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 41 °F	Dir. —	Temp. 79°	CT. VALLEY FOG SURROUNDING ALL MTN. RIDGES
Min. 28 °F	Vel. CALM m.p.h.	Read. 28.98	RAMOS OVNTLO = 22 C. 06002T
Set 20 °F	Char. CALM	Corr. 28.83	
R. H. 65 %	24 hr. Mov. 166mi	Sea L. 30.29	
Ppn. 0 Liq. in.	Prev. Dir. W	3 hr. Tend. +1.0 (mb)	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer MJL	

	0700	1300	1900
Clds.	0/10	Clds.	Clds.
Wx	CLEAR	Wx	Wx
Vis.	10 mi	Vis.	Vis.

$T_{ROOF} = 23$ $T_{\ell} = 13$

$\bar{T} = 31$

$DD = 34$

$\Sigma_{DD} = 1{,}003$

$\Sigma_{PCN(L)} = 1.74''$

$\Sigma_{PCN(S)} = 7.8''$

SUN. 29 Jan 89 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 53 °F	Dir. SW	Temp. 74°	B.inovc
Min. 20 °F	Vel. 2 m.p.h.	Read. 28.92	
Set 38 °F	Char. Light	Corr. 28.79	Ramos overnight low ~ 40°
R. H. 48 %	24 hr. Mov. 117.8 miles	Sea L. 30.19	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +1 mb/3hrs	
Ppn. Sol. — in.	Snow Depth — in.	Observer JSL	

0700	1300	1900
Clds. Sc 10/10	Clds.	Clds.
Wx Ovc	Wx	Wx
Vis. 25	Vis.	Vis.

$T_{roof} = 43°$

$T_w = 36°$

$T_o = 25°$

$\bar{T} = 36°$

$DD = 29$

$\Sigma DD = 1022$

$\Sigma pcm(l) = 1.74^{\#}$

$\Sigma pcm(s) = 7.8^{\#}$

MON, JAN 30, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. WSW	Temp. 76	INTERMITTENT L- B. 2045LT ~ 2300LT
Min. 38 °F	Vel. 7 m.p.h.	Read. 28.47	RAMOS OVNT LO: 43
Set 44 °F	Char. LIGHT, VARIABLE	Corr. 28.33	
R. H. 83 %	24 hr. Mov. 109 mi	Sea L. 29.68	
Ppn. Liq. .03 in.	Prev. Dir. SSW	3 hr. Tend. -1.5 mb \	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MJL	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 5 mi	Vis.	Vis.

$T_{ROOF} = 45$ $T_{\ell} = 34$ $T_{\ell UNV} = 40$

$\overline{T} = 44$

$\overline{DD} = 21$

$\Sigma_{DP} = 1053$

$\Sigma_{PCN(L)} = 1.77"$

$\Sigma_{PCN(S)} = 7.8"$

Tues. Jan. 31, 1984 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 51 °F	Dir. SW	Temp. 74	Ocnl L- ~0800 LT - 1800 LT RW- ~1315 - 1325 LT Binovc Anmos Ovnt Lo: 35
Min. 34 °F	Vel. 10 m.p.h.	Read. 28.66	
Set 34 °F	Char. Steady	Corr. 28.53	

0700	1300	1900
Clds. 10/10 Sc	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 12+	Vis.	Vis.

Temp.	Wind	Barom.
R. H. 70 %	24 hr. Mov. 216.8	Sea L. 29.93
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. \ -1.0mb
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP

Trako : 35

T ⊕ : 20

Tdunv: 26

$\bar{T}$: 43

00 : 22

ΣH_{00}: 1075

Σ Rn(c) = 1.77"

Σ Rn(s) = 7.8"