SAT. APR. 1, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 49 °F	Dir. WNW	Temp. 76°	L- 0700 - 0930 LT
Min. 30 °F	Vel. 14 m.p.h.	Read. 28.63	TRW- 1200 ~ 1530 LT
Set 32 °F	Char. GUSTS TO 25	Corr. 28.49	FROPA ~ 1330 LT
R. H. 56 %	24 hr. Mov. 208.7 mi	Sea L. 29.89	INTRMTNT. L- 1530 ~ 1830 LT
Ppn. Liq. .03 in.	Prev. Dir. W	3 hr. Tend. +3.0mb /	OCNL S,S- 1830 ~ 0230 LT
Ppn. Sol. T in.	Snow Depth — in.	Observer MJL	RAMOS OVNT LO: 31 C. 0200 LT

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

$T_{ROOF} = 32$ $T_D = 18$ $T_{DOWN} = 22$

$T = 40$

$DD = 25$

$\Sigma_{DD} = 25$

$\Sigma_{PCW(L)} : .03''$

$\Sigma_{PCW(S)} : T$

SUN. APR. 2, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. SW	Temp. 76°	THIN ALTOSTRATUS, HIGHER SCT. CIRRUS NOW ON EDT.!! FQT. SW- 0900 ~ 1700LT (OCNL SW, SG-) RAMOS OVNT LO: 29 C.0500LT		
Min. 26 °F	Vel. — m.p.h.	Read. 29.02			
Set 29 °F	Char. CALM	Corr. 28.88			
R. H. 58 %	24 hr. Mov. 155.3mi	Sea L. 30.30	0700	1300	1900
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +1.0mb	Clds. 9/10 AS	Clds.	Clds.
Ppn. Sol. T in.	Snow Depth — in.	Observer MJL	Wx MSTLY CLDY	Wx	Wx
			Vis. 13 mi	Vis.	Vis.

$T_{ROOF} = 30$ $T_D = 17$ $T_{DOWN} = 21$

$\bar{T} = 32$

$OD = 33$

$\Sigma_{OD} = 58$

$\Sigma_{PCN(L)}$: .03"

$\Sigma_{PCN(S)}$: T

MON. APR 3, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 53 °F	Dir. S	Temp. 74°	PERIODS OF L-, L, RW- FROM 1930 LT - 0800 LT
Min. 29 °F	Vel. 9 m.p.h.	Read. 28.68	
Set 40 °F	Char. STEADY	Corr. 28.55	RAMOS OVNT LO: 40 @ 0100, 0700
R. H. 65 %	24 hr. Mov. 139 mi.	Sea L. 29.93	
Ppn. .11 Liq. in.	Prev. Dir. S	3 hr. Tend. -1.8mb	
Ppn. — Sol. in.	Snow Depth — in.	Observer MJL	

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

$T_{ROOF} = 41$ $T_D = 30$ $T_{DUNV} = 34$

$\bar{T} = 41$

$DD = 24$

$\Sigma_{DD} = 82$

$\Sigma_{PCN(L)}$: .14"

$\Sigma_{PCN(S)}$: T

Tues. Apr. 4, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 65 °F	Dir. SE	Temp. 76	Wisps Nand W ~0445 LT
Min. 40 °F	Vel. 14 m.p.h.	Read. 28.57	TRW-B ~0500 LT E ~0520 LT
Set 52 °F	Char. Gusts to 20	Corr. 28.43	RWB ~ 0630 LT (Ocnl RWT) RWE ~ 0700 LT (Ovc)
R. H. 87 %	24 hr. Mov. 126.4	Sea L. 29.76	Ramos Ovrt Cu 46 (0400 LT)
Ppn. Liq. .10 in.	Prev. Dir. SW	3 hr. Tend. ↑ -3.0 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	

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

T_{root} : 56
T_{wet} : 54

T_0 : 52

T_{Range}

$\bar{T}$: 53

H_{00}: 12

$\leq H_{00}$: 94

ϵ Pcn (L): .24"

ϵ Pcn (S): T

CG E mvg E
RV - over mtn. military
Binovc.
Possible trailing anvil
top ovhd.

Wed. 5 Apr 89

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 70 °F	Dir. —	Temp. 77	Thnovc		
Min. 45 °F	Vel. 0 m.p.h.	Read. 28.81			
Set 48 °F	Char. Calm	Corr. 28.67	Ramos overnight Low ~47		
R. H. 81 %	24 hr. Mov. 146.7	Sea L. 30.03	0700	1300	1900
Ppn. Liq. .03 in.	Prev. Dir. S	3 hr. Tend. +2.0 mb/3hrs	Clds. 10/10 Sc	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer JSL	Wx Ovc	Wx	Wx
			Vis. 20 miles	Vis.	Vis.

$T_{roof} = 52°$

$T_w = 49°$

$T_D = 46°$

$\overline{T} = 58°$

HDD = 7

ΣHDD = 10

$\Sigma pcn(L) = .27$

$\Sigma pcn(s) =$ F

Thurs. Apr. 6, 1989 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 56 °F	Dir. W	Temp. 77	R-B ~1130 LT E ~1430 LT Light Fog all quads, esp NE Rains ount 60: 89
Min. 39 °F	Vel. 6 m.p.h.	Read. 28.73	
Set 40 °F	Char. Steady	Corr. 28.69	
R. H. 70 %	24 hr. Mov.	Sea L. 29.97	
Ppn. .06 Liq. in.	Prev. Dir.	3 hr. Tend. — +0.04	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 6/10 Cs St	Clds.	Clds.
Wx BKN (F)	Wx	Wx
Vis. 4mi	Vis.	Vis.

T_{max} 34

T_D : 25

T_{D-V} : 30

$\bar{T}$: 48

N_{Ao} : 17

ΣN_{Ao} : ~~119~~ 118

$\Sigma A_{n(L)}$: 0.33"

$\Sigma A_{n(S)}$: T

Fri 7 Apr 89 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. SW	Temp. 76	~~RW~~ ~ 1715 (LT)
Min. 33 °F	Vel. 10 m.p.h.	Read. 28.68	Thin Fog N + E + S
Set 35 °F	Char. Steady	Corr. 28.54	Ramos overnight Low ~ 34
R. H. 83 %	24 hr. Mov. 139.6 miles	Sea L. 29.93	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +~.5 mb/3hrs	
Ppn. Sol. — in.	Snow Depth — in.	Observer JSL	

0700	1300	1900
Clds. Cu 7 Sc 10	Clds.	Clds.
Wx BKN	Wx	Wx
Vis. 15 miles	Vis.	Vis.

$T_{road} = 37°$

$T_w = 35°$

$T_D = 32°$

$\overline{T} = 40°$

$HDD = 25$

$\Sigma HDD = ~~144~~ 143$

$\Sigma PCN(l) = .33''$

$\Sigma PCN(s) = T$

SAT. APRIL 8, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 47 °F	Dir. W	Temp. 76°	BRIEF IP- ~1900LT, 7TH		
Min. 27 °F	Vel. — m.p.h.	Read. 28.54	Ci TO W		
Set 28 °F	Char. CALM	Corr. 28.40	RAMOS ONT LO: 29 C.0700LT		
R. H. 66 %	24 hr. Mov. 79.1 mi	Sea L. 29.80	0700	1300	1900
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. +1.0mb	Clds. 1/10	Clds.	Clds.
Ppn. T Sol. in.	Snow Depth — in.	Observer MJL	Wx CLEAR	Wx	Wx
			Vis. 12mi	Vis.	Vis.

$T_{ROOF} = 32$ $T_0 = 16$ $T_{OUNV} = 21$

$\bar{T} = 37$

$DD = 28$

$\Sigma_{DD} = \cancel{147}$ $\cancel{172}$ 171

$\Sigma_{PCN(L)}$: 0.33"

$\Sigma_{PCN(S)}$: T

SUN. APR. 9, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. WNW	Temp. 76°	NIMBOSTRATUS JUST TO E RW- 1730-1915 LT PERIODS OF L-, L, R-, 1845 - 0800 LT
Min. 28 °F	Vel. 4 m.p.h.	Read. 28.56	
Set 36 °F	Char. STEADY	Corr. 28.42	RAMOS OVNT LO: 55 C.O LOCAL
R. H. 74 %	24 hr. Mov. 77.8 mi	Sea L. 29.80	0700: Clds. 10/10 Ns, St. / 1300: Clds. / 1900: Clds.
Ppn. .04 in. Liq.	Prev. Dir. S	3 hr. Tend. +3.5 mb	0700: Wx OVC / 1300: Wx / 1900: Wx
Ppn. — in. Sol.	Snow Depth — in.	Observer MJL	0700: Vis. 4 mi / 1300: Vis. / 1900: Vis.

$T_{ROOF} = 37$ $T_d = 25$ $T_{DUNV} = 29$

$\bar{T} = 39$

$DD = 26$

$\Sigma_{DD} = 498$ 497

$\Sigma_{PCN(L)} : 0.37''$

$\Sigma_{PCN(S)} : T$

MON. APR. 10, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. W	Temp. 75°	RW - 0830 - 0950 LT SW 1200 - 1280 LT SW 1330 - 1400 LT PERIODS SW-, SW 0400 - 0800 LT RAMOS OVNT LD: 28 C. 0900 LT
Min. 27 °F	Vel. 19 m.p.h.	Read. 28.87	
Set 27 °F	Char. GUSTS TO 28	Corr. 28.74	
R. H. 66 %	24 hr. Mov. 207.0 mi	Sea L. 30.16	
Ppn. Liq. .04 in.	Prev. Dir. W	3 hr. Tend. +2.5mb	
Ppn. Sol. .1" in.	Snow Depth T in.	Observer MJL	

0700	1300	1900
Clds. 10/10 Ns, St	Clds.	Clds.
Wx SW-	Wx	Wx
Vis. 3 mi.	Vis.	Vis.

$T_{Rock} = 27$ $T_0 = 12$ $T_{OUNV} = 17$

$\bar{T} = 37$

$OD = 28$

$\Sigma_{OD} = \cancel{226}\ 225$

$\Sigma_{PCN(L)}$: 0.41"

$\Sigma_{PCN(S)}$: 0.1"

Tues. Apr. 11, 1989 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 38 °F	Dir. SW	Temp. 76	SW- 0800-0840 LT 1 Degree Sky of record (18 in 1909) Valley Fog NE, Base of Mt Nittany obscured. few Sc W Ramos Gust Lt: 32
Min. 19 °F	Vel. 3 m.p.h.	Read. 29.12	
Set 23 °F	Char. Steady	Corr. 29.99	
R. H. 62 %	24 hr. Mov. 148.2	Sea L. 30.44	
Ppn. Liq. T in.	Prev. Dir. WSW	3 hr. Tend. / +1.0 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ESP	

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

T_{Recos} : 23

T_Q : 6

T_{Survey} : 12

$\overline{T}$: 29

HDD: 36

ΣHDD: ~~261~~ 261

$\Sigma Acc(L)$: 0.41"

$\Sigma Acc(S)$: 0.1"

Wed. 12 Apr 89

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 44 °F	Dir. —	Temp. 76°	
Min. 21 °F	Vel. 0 m.p.h.	Read. 29.16	
Set 23 °F	Char. Calm	Corr. 29.02	Rang e overnight Lo ~ 25
R. H. 60 %	24 hr. Mov.	Sea L. 30.47	
Ppn. Liq. — in.	Prev. Dir.	3 hr. Tend. +2.5	
Ppn. Sol. — in.	Snow Depth — in.	Observer JSL	

	0700	1300	1900
Clds.	0/10	Clds.	Clds.
Wx	CLR	Wx	Wx
Vis.	20 miles	Vis.	Vis.

$T_{roof} = 29$

T_D ~~=~~ 18°

$\overline{T} =$ ~~22°~~ 33

HDD = ~~43~~ 32

ΣHDD = ~~305~~ 293

ΣPCN(L) = ~~.41~~ .41"

ΣPCN(S) = .1"

Thurs. Apr. 13, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 56 °F	Dir. W	Temp. 76	RW-B ~ 0745 LT
Min. 23 °F	Vel. 22 m.p.h.	Read. 28.94	hrly E Rain/snow changeover level vis.
Set 36 °F	Char. Gusting to 32	Corr. 28.80	SW-SPW-B ~ 0800 LT
R. H. 70 %	24 hr. Mov. 139.1	Sea L. 30.19	Ramsonde 40:36
Ppn. Liq. T in.	Prev. Dir. S	3 hr. Tend. -/+1.0 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. X	Clds.	Clds.
Wx RW-SPW-SW-	Wx	Wx
Vis. 1 1/4 mi	Vis.	Vis.

T_{roof} : 31°

T_D : 22

T_{amv} : 26

$\bar{T}$: 40

H_{DD} : 25

ΣH_{DD} : ~~330~~ 318

$\Sigma A_n(L)$: .41 "

$\Sigma A_n(S)$: .1 "

Fri 14 Apr 89 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 49 °F	Dir. SW	Temp. 76°	SPW - SW - E ØØ82Ø (LT)
Min. 22 °F	Vel. 8 m.p.h.	Read. 29.12	RW - E ~ ØØØØ (LT)
Set 26 °F	Char. Steady	Corr. 29.98	Gauge Emptied 19ØØ (LT)
			[T (S) T (L)]
			Ramos overnight Lo ~ 25

0700	1300	1900
Clds. Ci 1/10	Clds.	Clds.
Wx - Sct	Wx	Wx
Vis. 20 miles	Vis.	Vis.

R. H. 60 %	24 hr. Mov. 98.1 miles	Sea L. 30.42	
Ppn. T in. Liq.	Prev. Dir. W	3 hr. Tend. -1.5 mb 3hrs	
Ppn. T in. Sol.	Snow Depth — in.	Observer JSL	

$T_{roof} = 29°$

$T_D = 18°$

$\overline{T} = 35°$

$HDD = 30$

$\Sigma HDD = ~~360~~ 347$

$\Sigma PCN(E) = .41"$

$\Sigma PCN(S) = .1"$

SAT. APR 15, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 60 °F	Dir. S	Temp. 77°	L-L ~0600 - 0745 R-B 0745
Min. 26 °F	Vel. — m.p.h.	Read. 28.77	
Set 44 °F	Char. CALM	Corr. 28.63	RAMOS OVNT LO: 44 C. 0000 CT
R. H. 71 %	24 hr. Mov. 115.2 mi	Sea L. 30.00	
Ppn. .01 Liq. in.	Prev. Dir. S	3 hr. Tend. +0.0mb	
Ppn. — Sol. in.	Snow Depth — in.	Observer MJL	

0700	1300	1900
Clds. 1%10 As, Ns	Clds.	Clds.
Wx R-	Wx	Wx
Vis. 5mi	Vis.	Vis.

$T_{ROOF} = 45$ $T_O = 32$ $T_{DUNN} = 36$

$\bar{T} = 43$

$DD = 22$

$\Sigma_{DD} = \cancel{482}$ 369

$\Sigma_{PCN(L)}$: .42"

$\Sigma_{PCN(S)}$: 0.1"

SUN. APR. 16, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 51 °F	Dir. NNW	Temp. 76°	STRATUS OVER RIDGES SCT STRATOCU. W TO N
Min. 39 °F	Vel. 8 m.p.h.	Read. 28.71	R-, L 0800 ~ 1500 LT, (15TH) OCNL L-, L-- 1500 ~ 2000 LT
Set 41 °F	Char. STEADY	Corr. 28.57	RAMOS OVNT LO: 41 @ 0700 LT
R. H. 65 %	24 hr. Mov. 47.1 mi	Sea L. 29.94	
Ppn. Liq. .09" in.	Prev. Dir. N	3 hr. Tend. +1.5mb /	
Ppn. Sol. — in.	Snow Depth — in.	Observer MJL	

0700	1300	1900
Clds. 2/10 St, Sc	Clds.	Clds.
Wx MOSTLY CLEAR	Wx	Wx
Vis. 7 mi	Vis.	Vis.

$T_{ROOF} = 43$ $T_D = 29$ $T_{DUNV} = 32$

$\bar{T} = 45$

$DD = 20$

$\Sigma_{DD} = 402\,389$

$\Sigma_{PCN(CL)}: .51''$

$\Sigma_{PCN(S)}: 0.1''$

MON. APR. 17, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 61 °F	Dir. SW	Temp. 77°			
Min. 34 °F	Vel. 3 m.p.h.	Read. 28.88			
Set 41 °F	Char. STEADY	Corr. 28.74	RAMOS OVNT LG: 39 C. 0600 ET		
			0700	1300	1900
R. H. 51 %	24 hr. Mov. 94.7 mi	Sea L. 30.12	Clds. St; Sc 8/10	Clds.	Clds.
Ppn. — Liq. in.	Prev. Dir. W	3 hr. Tend. +1.0 mb	Wx MOSTLY CLOUDY *	Wx	Wx
Ppn. — Sol. in.	Snow Depth — in.	Observer MJL	Vis. 20 mi	Vis.	Vis.

T_{react} = 414 T_0 = 23 Td (μmV) = 27

$\bar{T}$ = 48

DD = 17

Σ_{DD} = 419 406

$\Sigma_{PCN(L)}$: .51"

$\Sigma_{PCN(S)}$: 0.1"

* Sky OB TAKEN
c. 0830 LT
Sky @ 0800 LT
2/10 ci (PHOTO SUMMARY)

Tues. Apr. 18, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 72 °F	Dir. NW	Temp. 81 !	Some sprinkles ~1400 LT ~1820 LT ~2000 LT RW- ~2230 - 2315 LT ~0400 - 0430 LT Crepuscular rays E Ramps Over Lo!
Min. 41 °F	Vel. 3 m.p.h.	Read. 28.83	
Set 51 °F	Char. Light	Corr. 28.68	
R. H. 75 %	24 hr. Mov. 119.6 mi	Sea L. 30.03	
Ppn. .05 Liq. in.	Prev. Dir. SSW	3 hr. Tend. /+20 mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 9/10 SC FC	Clds.	Clds.
Wx BKN	Wx	Wx
Vis. 18 mi	Vis.	Vis.

T_{root} : 55 $T_{0\,runs}$: 37

T_{wet} : 50.5

: 47

T_0

$\bar{T}$: 57

$H_0 D$ = 8

$\varepsilon_{0.00}$: ~~427~~ 414

$\Sigma\ P_{cn}(i)$: .56"

$\Sigma\ A_{cn}(i)$: 0.1"

Wed 19 April 89 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 57 °F	Dir. NE	Temp. 78	RW-N 1830-1845
Min. 36 °F	Vel. 10 G16 m.p.h.	Read. 28.89	
Set 36 °F	Char. Gusty	Corr. 28.75	Ramos overnight low 39
R. H. 58 %	24 hr. Mov. 107.8	Sea L. 30.15	
Ppn. Liq. .04 in.	Prev. Dir. W	3 hr. Tend. +24 mb / 3 hrs	
Ppn. Sol. — in.	Snow Depth — in.	Observer JSL	

0700	1300	1900
Clds. Cu 5/10	Clds.	Clds.
Wx ScT	Wx	Wx
Vis. 20 miles	Vis.	Vis.

T_{roof} 40°

T_D = 24°

$\overline{T}$ = ~~46°~~ 47

HDD = ~~19~~ 18

Σ HDD = ~~446~~ 432

Σ PCM(L) = .60 "

Σ PCM(S) = .1 "

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

Temp.	Wind	Barom.	General Obs.
Max. 59 °F	Dir. SW	Temp. 77	Couldn't be much better! Some valley fog NE.
Min. 30 °F	Vel. 2 m.p.h.	Read. 28.99	
Set 35 °F	Char. light	Corr. 28.85	Rain out Lo: 33
R. H. 54 %	24 hr. Mov. 93 9	Sea L. 30.25	
Ppn. Liq. T in.	Prev. Dir. SW	3 hr. Tend. ↓ +1.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx CLR	Wx	Wx
Vis. 20 mi (lower NE)	Vis.	Vis.

T_{Ramos} : 38
T_{Bonus} : 17
$T_{o\ UNV}$: 23

F: 45

kDD: 20

ΣH_{DD}: ~~466~~ 452

$\Sigma P_{Cu}(4)$: .60 "

$\Sigma P_{Cu}(3)$: .1 "

Fri, 21 Apr 89 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 64 °F	Dir. —	Temp. 76°			
Min. 35 °F	Vel. 0 m.p.h.	Read. 28.88			
Set 48 °F	Char. Calm	Corr. 28.74	Ramos overnight Lo ~ 47°		
			0700	1300	1900
R. H. 56 %	24 hr. Mov. 69.3 miles	Sea L. 30.10	Clds. 10/10 Cs	Clds.	Clds.
Ppn. Liq. — in.	Prev. Dir. W	3 hr. Tend. 0 mb/3hrs	Wx — OVC Haze	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer JSL	Vis. 15 miles	Vis.	Vis.

$T_{roof} = 51°$

$T_W = 44°$

$T_D = 36°$

$\bar{T} = \cancel{49°}\ 50$

$HDD = \cancel{16}\ 15$

$\Sigma HDD = \cancel{482}\ 467$

$\Sigma PCN(L) = .66''$

$\Sigma PCN(S) = .1''$

SAT. APR 22, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 59 °F	Dir. NW	Temp. 76°	VISIBILITÉ EXTRAORDINAIRE!
Min. 32 °F	Vel. 6 m.p.h.	Read. 28.78	RW-- ~0950-1010 LT } 2 Mi RW- ~1145-1230 LT }
Set 36 °F	Char. STEADY	Corr. 28.64	RAMOS OINT La: 35 c. 0700 LT
R. H. 33 %	24 hr. Mov. 111.6mi	Sea L. 30.03	
Ppn. Liq. T in.	Prev. Dir. WNW	3 hr. Tend. +0.2mb —	
Ppn. Sol. — in.	Snow Depth — in.	Observer MJL	

0700	1300	1900
Clds. CLEAR	Clds.	Clds.
Wx 1/10 Ci	Wx	Wx
Vis. 35mi+	Vis.	Vis.

$T_{ROOF} = 38$ $T_0 = 8$ $T_{DUNV} = 11$

$\bar{T} = 46$

$DD = 19$

$\Sigma_{DD} = 5$~~0~~1 186

$\Sigma_{PCN(L)}$: .60"

$\Sigma_{PCN(S)}$: 0.1"

SUN. APR. 23, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 56 °F	Dir. W	Temp. 76°	FAIR. GUSTS TO 40 MPH AFTERNOON 22 MD
Min. 25 °F	Vel. — m.p.h.	Read. 28.82	
Set 30 °F	Char. CALM	Corr. 28.68	RAMOS OVNT LO: 29 C.OCOOZT
R. H. 30 %	24 hr. Mov. 128 mi.	Sea L. 30.09	
Ppn. — Liq. in.	Prev. Dir. NW	3 hr. Tend. +1.2 mb /	
Ppn. — Sol. in.	Snow Depth — in.	Observer MJL	

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

$T_{ROOF} = 33$ $T_b = 5$ $T_{OVNV} = 9$

$\bar{T} = \cancel{43}\ 41$

$DD = \cancel{22}\ 24$

$\Sigma_{DD} = \cancel{508}\ 510$

$\Sigma_{PCN(L)}: .60''$

$\Sigma_{PCN(S)}: 0.1''$

MON. APR 24, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 61 °F	Dir. SSW	Temp. 76°	AS FAR TO W
Min. 25 °F	Vel. 1 m.p.h.	Read. 28.82	
Set 33 °F	Char. MOSTLY CALM	Corr. 28.68	RAMOS OVNT LO: 33 C. 0600 ET
R. H. 37 %	24 hr. Mov. 77.1 mi	Sea L. 30.08	
Ppn. — Liq. in.	Prev. Dir. NW	3 hr. Tend. +1.0 mb	
Ppn. — Sol. in.	Snow Depth — in.	Observer MJL	

0700	1300	1900
Clds. 1/10	Clds.	Clds.
Wx CLEAR	Wx	Wx
Vis. 20 mi	Vis.	Vis.

$T_{ROOF} = 37$ $T_0 = 13$ $T_{DUNV} = 18$

$\bar{T} = 43$

$DD = 22$

$\Sigma_{DD} = 532$

$\Sigma_{PCU(L)}: .68''$

$\Sigma_{PCU(S)}: 0.1''$

Tues. Apr. 25, 1989 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 67 °F	Dir. S	Temp. 76			
Min. 33 °F	Vel. 2 m.p.h.	Read. 28.81			
Set 48 °F	Char. Light and variable	Corr. 28.67	Rain Overnight 0.48		
			0700	1300	1900
R. H. 36 %	24 hr. Mov. 104.1	Sea L. 30.03	Clds. 7/10 AS CS CC	Clds.	Clds.
Ppn. 0 Liq. in.	Prev. Dir. WNW	3 hr. Tend. ↑ +0.5 mb	Wx BKN	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	Vis. 25 mi	Vis.	Vis.

T_{roof} : 52

T_{wall} : 41

T_{∞} : 26

$\bar{T}$: 50

OD : 15

$\varepsilon_{h_{\infty}}$: 597

$\varepsilon_{pcm(L)}$: 0.60*

$\varepsilon_{pcm(S)}$: 0.1*

26 Apr 1989 Wed 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 72 °F	Dir. —	Temp. 76°			
Min. 41 °F	Vel. 0 m.p.h.	Read. 28.73			
Set 47 °F	Char. Calm	Corr. 28,59	Ramos overnite Low = 45°		
			0700	1300	1900
R. H. 73 %	24 hr. Mov. 45 miles	Sea L. 29.94	Clds. 10/10 Cs	Clds.	Clds.
Ppn. 0 Liq. in.	Prev. Dir. S	3 hr. Tend. +1.2 mb/3hrs	Wx -OVC	Wx	Wx
Ppn. — Sol. in.	Snow Depth — in.	Observer JSL	Vis. 20 miles	Vis.	Vis.

$T_{roof} = 49°$

$T_w = 45°$

$T_o = 41°$

$\overline{T} = 56°$

HDD = [illegible]9

HDD = ~~[illegible]~~ 556

$\Sigma P_{en}(4) = .6$

$\Sigma P_{en}(5) = .1$

Thurs. Apr. 27, 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 72 °F	Dir. —	Temp. 76	RWB ~ 1015 LT E ~ 1230 LT Impeccable visibility!
Min. 38 °F	Vel. Calm m.p.h.	Read. 28.76	
Set 44 °F	Char. Generally Calm	Corr. 28.63	Ramos overnight: 43
R. H. 54 %	24 hr. Mov. 324 mi	Sea L. 29.99	
Ppn. .09 Liq. in.	Prev. Dir. N	3 hr. Tend. ✓ +0.5 mb	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 9/10 As Ac	Clds.	Clds.
Wx BKN	Wx	Wx
Vis. 35+ mi	Vis.	Vis.

T_{ROOF}: 48

T_{MAT}: 41

T_D: 32

$\bar{T}$: 55

H_{DD}: 10

ΣH_{DD}: 366

$\Sigma A_{PL}(L)$: .69"

$\Sigma A_{PL}(S)$: .1"

Fri 28 Apr. 1989

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 77 °F	Dir. E	Temp. 74°			
Min. 36 °F	Vel. 6 m.p.h.	Read. 28.79	Distant Cs + As West		
Set 42 °F	Char. Steady	Corr. 28.65	Ramos overnight Low ~ 42		
R. H. 53 %	24 hr. Mov. 85.8 miles	Sea L. 29.83	0700	1300	1900
Ppn. 0 Liq. in.	Prev. Dir. NW	3 hr. Tend. +.5 mb/3hrs	Clds. 0/10	Clds.	Clds.
Ppn. 0 Sol. in.	Snow Depth — in.	Observer JSL	Wx CLR	Wx	Wx
			Vis. 25+ miles	Vis.	Vis.

$T_{food} = 47°$

$T_w = 40°$

$T_D = 31°$

$\bar{T} = 56°$

$HDD = 9$

$\Sigma HDD = 575$

$\Sigma PCN(R) = .69''$

$\Sigma PCN(S) = .1''$

SAT. APR. 29, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 61 °F	Dir. ESE	Temp. 75°	RW- B~0700 - 0800 LT (29TH)
Min. 42 °F	Vel. 3 m.p.h.	Read. 28.67	
Set 52 °F	Char. LIGHT & V. VARIABLE	Corr. 28.54	RAMOS OVNT. LO: 52 (STEADY AT 52,53 THRU NIGHT)
R. H. 47 %	24 hr. Mov. 425 mi	Sea L. 29.89	
Ppn. Liq. T in.	Prev. Dir. S	3 hr. Tend. +.5mb ^	
Ppn. Sol. — in.	Snow Depth — in.	Observer MJL	

	0700	1300	1900
Clds.	10/ St		
Wx	RW-		
Vis.	6 mi		

$T_{ROOM} = 53$ $T_0 = 33$ $T_{DUNN} = 37$

$\bar{T} = 52$

$DD = 13$

$\Sigma_{DD} = 588$

$\Sigma_{PCN(4)}$: .69"

$\Sigma_{PCN(5)}$: 0.1"

SUN. APR. 30, 1989 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 55 °F	Dir. SW	Temp. 75°	FOG ENCOMPASSES ALL. RW-, RW, R 0800~1000LT
Min. 49 °F	Vel. — m.p.h.	Read. 28.78	RW- 2340~0015LT
Set 50 °F	Char. CALM	Corr. 28.65	RAMOS AVNT LO: 49 @ 0700LT
R. H. 84 %	24 hr. Mov. 48.0mi	Sea L. 30.00	
Ppn. Liq. .01 in.	Prev. Dir. E	3 hr. Tend. +2.0mb /	
Ppn. Sol. — in.	Snow Depth — in.	Observer MJL	

	0700	1300	1900
Clds.	X		
Wx	F		
Vis.	< 1/4mi		

$T_{ROOF} = 50$ $T_b = 42$ $T_{bUNV} = 45$

$\bar{T} = 52$

$DD = 13$

$\Sigma_{DD} = 602$

$\Sigma_{PCN(L)}$: .70"

$\Sigma_{PCN(S)}$: 0.1"