WEDNESDAY
JULY 1, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 82 °F	Dir. ENE	Temp. 68°	↘ AT 2100 Q.. (LT)
Min. 64° °F	Vel. 2 m.p.h.	Read. 28.81	∞ CLOUDS MOUNTAINS
Set 65° °F	Char. LIGHT & VARIABLE	Corr. 28.70	
R. H. 95 %	24 hr. Mov. 111 mi	Sea L. 30.00	
Ppn. Liq. .09 in.	Prev. Dir. WSW	3 hr. Tend. +1/2 mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	

	0700	1300	1900
Clds.	8/10 Sc	Clds.	Clds.
Wx	∞	Wx	Wx
Vis.	3/4 mi	Vis.	Vis.

T_{roof}: 67

T_{WET}: 66

$\bar{T}$: 73

$\Sigma HDD = 0$

$\Sigma PCN = .09$

Thursday July 2, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 78 °F	Dir. S	Temp. 68	low ceiling ; ridges obscured
Min. 64 °F	Vel. 8 m.p.h.	Read. 28.70	
Set 66 °F	Char. STDY	Corr. 28.59	
R. H. 90 %	24 hr. Mov. 36 mi.	Sea L. 29.90	
Ppn. Liq. 0.51 in.	Prev. Dir. NE	3 hr. Tend. -0.5mb\	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

	0700	1300	1900
Clds.	10/10	Clds.	Clds.
Wx	R-, F	Wx	Wx
Vis.	2 mi.	Vis.	Vis.

$T_d = 64$ $T_{roof} = 67$ $T_w = 65$

$\bar{T} = 71$

$\Sigma_{PLN} = 0.60"$

Fri, JULY 3, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 79 °F	Dir. —	Temp. 69	RI ca. 1800 LT, 2 JULY
Min. 65 °F	Vel. 0 m.p.h.	Read. 28.71	
Set 66 °F	Char. calm	Corr. 28.60	
R. H. 87 %	24 hr. Mov. NA	Sea L. 29.90	
Ppn. Liq. 0.47 in.	Prev. Dir. NA	3 hr. Tend. +2.0mbJ	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

	0700	1300	1900
Clds.	10/10 U		
Wx	OVC, -DZ		
Vis.	8 mi.		

$T_{roof} = 67$ $T_w = 64.5$

$\bar{T} = 72$

$\Sigma_{PCN} = 1.07''$

Saturday July 4, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 82 °F	Dir. SW	Temp. 69°	SUN DMLY VSBL
Min. 66 °F	Vel. 2 m.p.h.	Read. 28.74	
Set 70 °F	Char. –	Corr. 28.62	
R. H. 84 %	24 hr. Mov. 91 mi	Sea lv. 29.91	
Ppn. Liq. – in.	Prev. Dir. SW	3 hr. Tend. +0.9 mb/	
Ppn. Sol. – in.	Snow Depth – in.	Observer FJG	

	0700	1300	1900
Clds.	Clds. Cs As 10/10	Clds.	Clds.
Wx	Wx HAZE	Wx	Wx
Vis.	Vis. 5mi	Vis.	Vis.

$T_d = 65$

$\bar{T} = 74^0$

$\varepsilon_{pcw} = 1.0$

SUN., JULY 5, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 83 °F	Dir. NE	Temp. 68	light valley fog SE cirrus, cirrostratus SE, S, SW
Min. 59 °F	Vel. 6 m.p.h.	Read. 28.79	
Set 62 °F	Char. STDY	Corr. 28.68	
R. H. 84 %	24 hr. Mov. 77	Sea L. 29.99	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +2.0 mb/	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

	0700	1300	1900
Clds.	1/10 ci	Clds.	Clds.
Wx	SUNNY, -∞	Wx	Wx
Vis.	5 V12	Vis.	Vis.

$T_{roof} = 64$ $T_w = 61$

$\bar{T} = 71$

$\Sigma p_{cw} = 1.07''$

MONDAY

JULY 6, 1987 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 82 °F	Dir. NNE	Temp. 68°			
Min. 63 °F	Vel. 0 m.p.h.	Read. 28.84			
Set 65 °F	Char. CALM	Corr. 28.73			
R. H. 90 %	24 hr. Mov. 31 mi	Sea L. 30.01	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. NNE	3 hr. Tend. +1 mb	Clds. Ci 5/10 Sc	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	Wx BKN	Wx	Wx
			Vis. 5 mi	Vis.	Vis.

T_{roof} : 67

T_{WET} : 65

$\bar{T}$: 73

Σ_{H00} : 0

Σ_{PCN} : 1.07"

Tuesday July 7, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 78 °F	Dir. WSW	Temp. 70°F	Mt. Nittany ridge completely obscured
Min. 65 °F	Vel. 3 m.p.h.	Read. 28.77	
Set 69 °F	Char. STEADY	Corr. 28.65	
R. H. 95 %	24 hr. Mov. 89.7 mi	Sea L. 29.95	
Ppn. Liq. .17 in.	Prev. Dir. S	3 hr. Tend. +1.0mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer RCD	

	0700	1300	1900
Clds.	OVCST		
Wx	HAZE		
Vis.	½ mi		

T_{dry} 70°F T_{wet} 69°F dd=1

$\bar{T} = 71$

$\Sigma H_{DD} = 0$

$\Sigma_{pen} = 1.24''$

$T_d = 68.5°F$

WEDNESDAY
JULY 8, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 87 °F	Dir. W	Temp. 70	DRIZZLE BEGAN 0800 LOCAL
Min. 68 °F	Vel. 3 m.p.h.	Read. 28.82	
Set 72 °F	Char. LIGHT	Corr. 28.71	
R. H. 93 %	24 hr. Mov. 94 MI	Sea L. 30.00	
Ppn. Liq. T in.	Prev. Dir. SW	3 hr. Tend. /+1 mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	

0700	1300	1900
Clds. 9/10 ST SC	Clds.	Clds.
Wx 99,00	Wx	Wx
Vis. 3 MI	Vis.	Vis.

$T_{roof} = 73$

$T_{WET} = 71$

$\bar{T} = 78$

$\Sigma_{ITDD} = 0$

$\Sigma_{PEN} = 1.24''$

Thurs., July 9, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 88 °F	Dir. SW	Temp. 73			
Min. 70 °F	Vel. 3 m.p.h.	Read. 28.81			
Set 73 °F	Char. light	Corr. 28.68			
R. H. 86 %	24 hr. Mov. 104 mi.	Sea L. 29.98"	0700	1300	1900
Ppn. Liq. 0.06 in.	Prev. Dir. SW	3 hr. Tend. STDY	Clds. 10/10 OVC	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Wx HAZE	Wx	Wx
			Vis. 4 mi.	Vis.	Vis.

$T_{ROOF} = 75$ $T_W = 72$ $T_d = 71$

$\bar{T} = 79$

$\Sigma_{PCN} = 1.30''$

Friday, July 10, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 86 °F	Dir. SW	Temp. 81° F	Low lying fog
Min. 71 °F	Vel. 17 m.p.h.	Read. 28.77	
Set 72 °F	Char. STEADY	Corr. 28.62	
R. H. 87 %	24 hr. Mov. RAMOS	Sea L. 29.92	
Ppn. T Liq. in.	Prev. Dir. OUT	3 hr. Tend. +.01 /	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer RCJ	

	0700	1300	1900
Clds.	OVCST	Clds.	Clds.
Wx	HAZE	Wx	Wx
Vis.	3 mi	Vis.	Vis.

$T_{dry} = 73$ $T_w = 70$ $dd = 3$

$\bar{T} = 76$

$\Sigma pan = 1.30''$

$T_d = 69\,^{\circ}F$

Saturday July 11, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 86 °F	Dir. —	Temp. 72	BINOVC DARK NW
Min. 67 °F	Vel. — m.p.h.	Read. 28.90	
Set 70 °F	Char. CALM	Corr. 28.78	
R. H. 87 %	24 hr. Mov. 67 mi	Sea L. 30.09	
Ppn. Liq. — in.	Prev. Dir. W	3 hr. Tend. +0.5 ab	
Ppn. Sol. — in.	Snow Depth — in.	Observer FJG	

0700	1300	1900
Clds. 10/10 St Cu Cu	Clds.	Clds.
Wx —	Wx	Wx
Vis. 9 mi	Vis.	Vis.

$T_d = 66$

$\bar{T} = 77$

$\Sigma p_{CN} = 1.30$

$\bar{L}$

SUNDAY
JULY 12, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 90 °F	Dir. SW	Temp. 71	∞ IN MT. VALLEY
Min. 68 °F	Vel. 0 m.p.h.	Read. 28.75	R AT 0900 LOCAL TIME
Set 71 °F	Char. CALM	Corr. 28.63	
R. H. 90 %	24 hr. Mov. 52 mi	Sea L. 29.94	
Ppn. Liq. .30 in.	Prev. Dir. WSW	3 hr. Tend. ↓+½mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	

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

T_{roof}: 73°

T_{DRY}: 70.5°

$\bar{T}$: 79°

Σ_{HOO}: 0

Σ_{PCN}: 1.60"

MONDAY
JULY 13, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 87 °F	Dir. WSW	Temp. 71	∞ ON MT. RIDGE & VALLEY.
Min. 69 °F	Vel. 3 m.p.h.	Read. 28.71	
Set 70 °F	Char. LIGHT & VARIABLE	Corr. 28.59	
R. H. 93 %	24 hr. Mov. 64 MI	Sea L. 29.89	
Ppn. Liq. 0 in.	Prev. Dir. WSW	3 hr. Tend. /+1½mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	

	0700	1300	1900
Clds.	2/10 Sc	Clds.	Clds.
Wx	∞	Wx	Wx
Vis.	2mi	Vis.	Vis.

T_{roof}: 72°

T_{DRY}: 70.5°

$\bar{T}$: 78°

Σ_{HOB}: 0

Σ_{PCN}: 1.60"

Tuesday, July 14, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 89 °F	Dir. W	Temp. 70 °F	BINOVC Mt. N, Ltany obscured Haze in valley: ENE, SW 2130 Z
Min. 66 °F	Vel. 3 m.p.h.	Read. 28.43	
Set 68 °F	Char. STEADY	Corr. 28.31	
R. H. 97 %	24 hr. Mov.	Sea L. 29.61	
Ppn. Liq. T in.	Prev. Dir.	3 hr. Tend. -½ mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer RJD	

0700	1300	1900
Clds. 9/10 St.Cu	Clds.	Clds.
Wx HAZE	Wx	Wx
Vis. ½ mi	Vis.	Vis.

$T_{wet} = 69°F$ $T_{dry} = 70°F$ $dd = 1$

$Td = 68°F$

$\overline{T} = 77$

$\Sigma H_{DD} = 0$

$\Sigma pcn = 1.60"$

WEDNESDAY
JULY 15, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 74 °F	Dir. WNW	Temp. 72	FROPA ABOUT 1300 Q.
Min. 49 °F	Vel. 6 m.p.h.	Read. 28.81	
Set 54 °F	Char. STDY	Corr. 28.69	
R. H. 85 %	24 hr. Mov. 128mi	Sea L. 30.02	
Ppn. Liq. .24 in.	Prev. Dir. W	3 hr. Tend. /+1mb	
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	

0700	1300	1900
Clds. 2/10 Sc Cu	Clds.	Clds.
Wx SCT	Wx	Wx
Vis. 20mi	Vis.	Vis.

T_{ROOF}: 56

T_{WET}: 53.5

$\bar{T}$: 62

ΣHDD: 3

ΣPCN: 1.84"

THURS., JULY 16, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 70 °F	Dir. ENE	Temp. 74	SUN VISIBLE THRU THIN CIRROSTRATUS -F IN VALLEY EAST ALTOSTRATUS W, SW
Min. 49 °F	Vel. 4 m.p.h.	Read. 28.86	
Set 54 °F	Char. light	Corr. 28.73	
R. H. 88 %	24 hr. Mov. 53 mi.	Sea L. 30.07	
Ppn. Liq. 0 in.	Prev. Dir. NNW	3 hr. Tend. +/.5mb/	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

	0700	1300	1900
Clds.	8/10		
Wx	BKN		
Vis.	18 mi.		

$T_{roof} = 56$ $T_W = 54$ $T_d = 52.5$

$\bar{T} = 60$

$H_{DD} = 5$

$\Sigma_{DD} = 8$

$\Sigma_{PCW} = 1.84"$

Friday, July 17, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 77 °F	Dir. NE	Temp. 76°F	HAZE in Mt. Nittany Valley
Min. 50 °F	Vel. 3 m.p.h.	Read. 29.04	
Set 56 °F	Char. STEADY	Corr. 28.90	

0700	1300	1900
Clds. 9/10	Clds.	Clds.
Wx HAZE	Wx	Wx
Vis. 16 mi	Vis.	Vis.

R. H. 83 %	24 hr. Mov. 25.6	Sea L. 30.25	
Ppn. Liq. 0 in.	Prev. Dir. N	3 hr. Tend. +2.0 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer RCJ	

$T_{dry} = 59\,^{\circ}F$ $T_{wet} = 56$ $dd = 3$

$\overline{T} = 63$

$H_{DD} = 2$

$\Sigma H_{DD} = 10$

$\Sigma_{PCN} = 1.84''$

$T_d = 54\,^{\circ}F$

Saturday July 18, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 83 °F	Dir. –	Temp. 68°			
Min. 56 °F	Vel. – m.p.h.	Read. 29.08			
Set 60 °F	Char. CALM	Corr. 28.96			
			0700	1300	1900
R. H. 85 %	24 hr. Mov. 45 mi	Sea L. 30.30	Clds. 0/10	Clds.	Clds.
Ppn. Liq. – in.	Prev. Dir. SW	3 hr. Tend. +0.24	Wx –	Wx	Wx
Ppn. Sol. – in.	Snow Depth – in.	Observer FJG	Vis. 8 mi	Vis.	Vis.

$T_d = 56$

$\bar{T} = 70$

$\Sigma_{DD} = 10$

$\ell_{PCW} = 1.84"$

SUNDAY
JULY 19, 1987 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 87 °F	Dir. WSW	Temp. 68	∞ ON AND IN VICINITY OF MT. NITTANY
Min. 61 °F	Vel. 6 m.p.h.	Read. 28.92	
Set 66 °F	Char. STDY	Corr. 28.81	

0700	1300	1900
Clds. 2/10 C_1	Clds.	Clds.
Wx SCT, ∞	Wx	Wx
Vis. 1½ MI	Vis.	Vis.

R. H.	24 hr. Mov.	Sea L.
85 %	70 MI	30.10

Ppn. Liq.	Prev. Dir.	3 hr. Tend.
0 in.	WSW	/+½ mb

Ppn. Sol.	Snow Depth	Observer
— in.	— in.	MPR

T_{roof} : 68

T_{WET} : 65

$\bar{T}$: 74°

ε_{HDD} : 10

ε_{PCN} : 1.84"

MONDAY
JULY 20, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 90 °F	Dir. WSW	Temp. 76°	∞ IN AND ON MT. NITTANY
Min. 67 °F	Vel. 9 m.p.h.	Read. 28.94	
Set 71 °F	Char. STDY	Corr. 28.81	
R. H. 82 %	24 hr. Mov. 78 MI	Sea L. 30.10	
Ppn. Liq. 0 in.	Prev. Dir. WSW	3 hr. Tend. STDY	
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	

0700	1300	1900
Clds. 3/10 Ci Sc	Clds.	Clds.
Wx SCT, ∞	Wx	Wx
Vis. 1 1/2 MI	Vis.	Vis.

T_{ROOF}: 73.5

T_{WET}: 69

$\bar{T}$: 79

ε_{MOD}: 10

ε_{PCN}: 1.89"

Tuesday July 21, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 92 °F	Dir. SW	Temp. 72°F	Mt. Nittany mostly obscured
Min. 71 °F	Vel. 10 m.p.h.	Read. 28.88	
Set 76 °F	Char. STEADY	Corr. 28.75	
R. H. 87 %	24 hr. Mov. 173.7 mi	Sea L. 30.05	
Ppn. 0 Liq. in.	Prev. Dir. W	3 hr. Tend. +½ mb F	
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer RCJ	

0700	1300	1900
Clds. 9/10	Clds.	Clds.
Wx HAZE	Wx	Wx
Vis. 6 mi	Vis.	Vis.

$T_{dry} = 77°F$ $T_{wet} = 74°F$ $dd = 3$

$\bar{T} = 81°F$

$\Sigma_{PEN} = 1.84''$

$\Sigma HDD = 10$

$T_d = 73°F$

WEDNESDAY
JULY 22, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 92 °F	Dir. W	Temp. 78	LIGHT ☂ ON MT. RIDGES		
Min. 67 °F	Vel. 3 m.p.h.	Read. 28.99			
Set 72 °F	Char. LIGHT & VARIABLE	Corr. 28.86	0700	1300	1900
R. H. 82 %	24 hr. Mov. 110MI	Sea L. 30.14	Clds. 2/10 C_1	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. WNW	3 hr. Tend. +1.5mb	Wx SCT	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	Vis. 5MI	Vis.	Vis.

T_{ROOF}: 74

T_{WET}: 70

$\bar{T}$: 80

ε_{HOO}: 10

ε_{PCN}: 1.84"

Thurs. July 23, 1987 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 93 °F	Dir. —	Temp. 73	-Ci NE		
Min. 67 °F	Vel. 0 m.p.h.	Read. 28.89			
Set 71 °F	Char. CALM	Corr. 28.76			
			0700	1300	1900
R. H. 86 %	24 hr. Mov. 56 mi.	Sea L. 30.06	Clds. 1/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. +1.0 mb	Wx SUNNY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 15 mi.	Vis.	Vis.

$T_{roof} = 73 \quad T_w = 70$

$\bar{T} = 80$

$\mathcal{E}_{DD} = 10$

$\mathcal{E}_{pcw} = 1.84"$

Friday, July 24, 1937 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 95 °F	Dir. SW	Temp. 73	Mt. Nittany and ridge slightly obscured
Min. 69 °F	Vel. 2 m.p.h.	Read. 28.98	
Set 73 °F	Char. STEADY	Corr. 28.75	
R. H. 78 %	24 hr. Mov. 42.1 mi.	Sea L. 30.05	
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. +1.2 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer RCD	

0700	1300	1900
Clds. 8/10	Clds.	Clds.
Wx HAZE	Wx	Wx
Vis. 5 mi	Vis.	Vis.

$\overline{T}_{dry} = 75°F$ $T_{wet} = 70°F$ $dd = 5$

$T_d = 68°F$

$\overline{T} = 82$

$\Sigma HDD = 10$

$\Sigma pcw = 1.84''$

Saturday July 25, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 91 °F	Dir. WSW	Temp. 75	SUNSHINE DIMLY VISIBLE VERY HAZY
Min. 67 °F	Vel. 4 m.p.h.	Read. 28.99	
Set 69 °F	Char. –	Corr. 28.86	
R. H. 82 %	24 hr. Mov. N/A	Sea L. 30.18	
Ppn. — Liq. in.	Prev. Dir. N/A	3 hr. Tend. -0.6mb	
Ppn. – Sol. in.	Snow Depth — in.	Observer FJG	

	0700	1300	1900
Clds.	10/10 Ci	Clds.	Clds.
Wx	HAZE	Wx	Wx
Vis.	3mi	Vis.	Vis.

$T_d = 63°$

$\bar{T} = 79$

$\varepsilon_{oo} = 10$

$\varepsilon_{PEN} = 1.84$

SUNDAY

JULY 26, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 90 °F	Dir. WSW	Temp. 73	R 1800 - 2000 LOCAL (PEA SIZED HAIL)
Min. 67 °F	Vel. 4 m.p.h.	Read. 28.72	CC ON MT. NITTANY RIDGE
Set 69 °F	Char. LIGHT & VARIABLE	Corr. 28.60	
R. H. 88 %	24 hr. Mov. RAMOS OUT	Sea L. 29.88	
Ppn. .45 Liq. in.	Prev. Dir. RAMOS OUT	3 hr. Tend. -1½mb	
Ppn. — Sol. in.	Snow Depth — in.	Observer MPR	

0700	1300	1900
Clds. 8/10 Sc. Ci	Clds.	Clds.
Wx CC, BKN	Wx	Wx
Vis. 1½mi	Vis.	Vis.

T_{roof}: 71

T_{WET}: 69.5

$\bar{T}$: 79

Σ_{HDD}: 10

Σ_{PCN}: 2.29"

MONDAY
JULY 27, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 83 °F	Dir. WNW	Temp. 72	R ABOUT 1300 LOCAL
Min. 64 °F	Vel. 3 m.p.h.	Read. 28.75	∞ ON MT. RIDGE
Set 65 °F	Char. LIGHT & VARIABLE	Corr. 28.63	

0700	1300	1900
Clds. 2/10 Ci Sc	Clds.	Clds.
Wx SCT	Wx	Wx
Vis. 3 mi	Vis.	Vis.

R. H. 92 %	24 hr. Mov. RAMOS OUT	Sea L. 29.92			
Ppn. Liq. e.26 in.	Prev. Dir. RAMOS OUT	3 hr. Tend. /+1/2mb			
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR			

T_{ROOF}: 68

T_{WET}: 66

$\bar{T}$: 74°

E_{HOD}: 10

E_{PCN}: 2.55"

Tuesday - July 28, 1987 / 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 85 °F	Dir. NW	Temp. 74 °F	HAZE IN VALLEY
Min. 54 °F	Vel. 2 m.p.h.	Read. 28.67	
Set 58 °F	Char. STEADY	Corr. 28.54	
R. H. 75 %	24 hr. Mov. 778 mi.	Sea L. 29.89	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +1.2mb /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer RCD	

	0700	1300	1900
Clds.	Clds. Ci 1/10 NNE	Clds.	Clds.
Wx	Wx CLEAR	Wx	Wx
Vis.	Vis. 22 mi.	Vis.	Vis.

$\overline{T}_{dry} = 62$ $T_{wet} = 57$ $dd = 5$

$\overline{T}_d = 54$

$\overline{\overline{T}} = 69$

$\Sigma H_{DD} = 10$

$\Sigma P_{CW} = 2.55''$

WEDNESDAY

JULY 29, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 83 °F	Dir. SSW	Temp. 68			
Min. 54 °F	Vel. 0 m.p.h.	Read. 28.82			
Set 58 °F	Char. CALM	Corr. 28.71			
R. H. 86 %	24 hr. Mov. 47 mi	Sea L. 30.03	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. NNW	3 hr. Tend. ⌐ ½mb	Clds. 9/10	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer MPR	Wx CLR	Wx	Wx
			Vis. 15 mi	Vis.	Vis.

T_{roof}: 61

T_{WET}: 58.5

$\bar{T}$: 69

ε_{HOO}: 1.0

ε_{PCN}: 2.55"

Thurs. July 30, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 83 °F	Dir. S	Temp. 69	PATCHY ALTOCU OVHD VERY HAZY PENN'S VALLEY + SLOPES OF MT NITTANY
Min. 58 °F	Vel. 2 m.p.h.	Read. 28.74	
Set 62 °F	Char. CALM	Corr. 28.62	

	0700	1300	1900
R. H. 82 %	Clds. 2/10	Clds.	Clds.
Ppn. Liq. 0 in.	Wx SLT	Wx	Wx
Ppn. Sol. 0 in.	Vis. VAR. 5-15 mi.	Vis.	Vis.

Prev. Dir.	3 hr. Tend.	Snow Depth	Observer
SSW	+0.5mbr	0 in.	JHM

$T_{roof} = 65$

$T_w = 61.5$ $T_d = 59.5$ $T_{d(mmos)} = 55.2$

$\bar{T} = 71$

$\Sigma_{OD} = 10$

$\Sigma_{pw} = 2.55''$

Friday July 3, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 88 °F	Dir. NE	Temp. 70°F	Mt. N. Ridge - Old Fog in mist w. th haze		
Min. 62 °F	Vel. 2 m.p.h.	Read. 28.74			
Set 66 °F	Char. STEADY	Corr. 28.62	0700	1300	1900
R. H. 90 %	24 hr. Mov. 459 mi	Sea L. 29.92	Clds. 8/10 Cu Sp.	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. +1.7mb	Wx HAZE	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer RJD	Vis. 3 mi.	Vis.	Vis.

$T_{dry} = 69$ $T_w = 67$ $d = 2$

$T_d = 65$

$\bar{T} = 75$

$\Sigma_{mod} = 10$

$\Sigma_{psy} = 255$