THURS. OCT. 1, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 66 °F	Dir. NW	Temp. 68	FEW BREAKS WEST OVC. EAST
Min. 45 °F	Vel. 8G16 m.p.h.	Read. 28,59	
Set 46 °F	Char. GUSTY	Corr. 28,48	RAMOS LOW: 46°
R. H. 80 %	24 hr. Mov. 152.8mi	Sea L. 29,83	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +1,51	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer GK	

0700	1300	1900
Clds. 8/10	Clds.	Clds.
Wx BKN	Wx	Wx
Vis. 25mi	Vis.	Vis.

$\bar{T} = 56$

$HDD = 9$

$\Sigma HDD = 9$

$\Sigma PCN = 0.00$

$T_{roof} = 49$

$T_W = 46$

$T_d = 43$

$T_{d\,(irrig)} = 39$

Fri Oct. 2, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 61 °F	Dir. S	Temp. 68°	Ci to west		
Min. 43 °F	Vel. 20 m.p.h.	Read. 28.59"			
Set 46 °F	Char. Steady	Corr. 28.47"			
			0700	1300	1900
R. H. 59 %	24 hr. Mov. 140.4 mi	Sea L. 29.81"	Clds. 9/10	Clds.	Clds.
Ppn. Liq. 0.01 in.	Prev. Dir. W	3 hr. Tend. Steady	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer Stm	Vis. 25 mi	Vis.	Vis.

$\bar{T} = 52$

$HDD = 13$

$\Sigma HDD_{2} = 21$

$\Sigma_{pcp} = 0.01"$

$T_{roof} = 51°F$

$T_{w} = 44° F$

$T_{d} = 37°F$

$T_{d_{RAMOS}} = 33°F$

SAT., Oct. 3, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 70 °F	Dir. WSW	Temp. 68	B, NOVC		
Min. 42 °F	Vel. 2 m.p.h.	Read. 28.73			
Set 43 °F	Char. light	Corr. 28.61			
			0700	1300	1900
R. H. 86 %	24 hr. Mov. 125.9mi	Sea L. 29.98	Clds. 10 Ci 10 Str.Cu.	Clds.	Clds.
Ppn. Liq. 0.38 in.	Prev. Dir. S	3 hr. Tend. /	Wx ∞	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JPH	Vis. 20 mi	Vis.	Vis.

$\bar{T} = 56°F$

$H_{DD} = 9$

$\Sigma H_{DD} = 30$

$\Sigma pcn = 0.39"$

$T_{roof} = 46°F$

$T_w = 44°F$

$T_d = 42°F$

$T_{drains} = 40°F$

SUN, OCT 4, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. NW	Temp. 67	HI OCC. IN AM. Temp. PM LOW 40'S.
Min. 33 °F	Vel. 8G18 m.p.h.	Read. 28.81	
Set 34 °F	Char. GUSTY	Corr. 28.70	RAIN SUN. 2035
R. H. 62 %	24 hr. Mov. 141.6 mi.	Sea L. 30.09	
Ppn. Liq. 0 in.	Prev. Dir. NNW	3 hr. Tend. STDY	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer GK	

0700	1300	1900
Clds. 7/10 STR-CU	Clds.	Clds.
Wx BKN	Wx	Wx
Vis. 25mi	Vis.	Vis.

$\bar{T} = 40$

$HDD = 25$

$\Sigma HDD = 55$

$\Sigma PcN = 0.39$

$T_{DUF} = 37$

$T_W = 33$

$T_d = 26$

$T_{d(range)} = 23$

MON. OCT. 5, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 54 °F	Dir. SW	Temp. 68			
Min. 34 °F	Vel. 4 m.p.h.	Read. 28.74			
Set 39 °F	Char. STDY	Corr. 28.62	RAWS OVRNT. LO = 41°		
R. H. 58 %	24 hr. Mov. 140 mi.	Sea L. 29.99	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. STDY	Clds. 0/10	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Wx CLR	Wx	Wx
			Vis. 30 mi.	Vis.	Vis.

$T_{roof} = 46$ $T_w = 40$ $T_d = 32$

$T_{d\ RAMS} = 29$

$\bar{T} = 44$

$H_{DD} = 21$

$\Sigma_{DD} = 76$

$\Sigma_{PCW} = 0.39''$

Tues., Oct. 6, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 67 °F	Dir. —	Temp. 68°F	Str. Cu. west		
Min. 39 °F	Vel. 0 m.p.h.	Read. 28.52			
Set 41 °F	Char. Calm	Corr. 28.40	Romos Overnight Lo = 42°F		
R. H. 79 %	24 hr. Mov. 88.7 mi	Sea L. 29.76	0700 Clds. Bk Ci 10	1300 Clds.	1900 Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +0.1 mb	Wx ∞	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JPH	Vis. 25 mi	Vis.	Vis.

$\bar{T} = 53°F$

$H_{DD} = 12$

$\Sigma H_{DD} = 88$

$\Sigma pcn = 0.39"$

$T_{roof} = 45°F$

$T_w = 42°F$

$T_d = 39°F$

$T_{frame} = 36°F$

WED. OCT 7, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 63 °F	Dir. SW	Temp. 68°F	Few Breaks distant W
Min. 42 °F	Vel. 12 m.p.h.	Read. 28.40"	
Set 46 °F	Char. speed variable	Corr. 28.28"	Ramos Overnight Low: 47

0700	1300	1900
Clds. 9/10 OVC Sc	Clds.	Clds.
Wx ↓	Wx	Wx
Vis. 20 mi	Vis.	Vis.

R. H. 86 %	24 hr. Mov. 74.4 mi	Sea L. 29.62"	
Ppn. Liq. 0.44 in.	Prev. Dir. S	3 hr. Tend. +1.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SAM	

$T = 53$

$H_{DD} = 12$

$\Sigma H_{DD} = 100$

$\Sigma_{pen} = 0.83''$

$T_{roof} = 49°$

$T_w = 47°$

$T_d = 45°$

$T_{Bramos} = 42°$

Thurs, Oct 8, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 56 °F	Dir. W	Temp. 68	TRW over Tussey Ridge ~4:30pm.		
Min. 39 °F	Vel. 10G18 m.p.h.	Read. 28.73			
Set 42 °F	Char. GUSTY	Corr. 28.68	RAINS ON. 20:40		
R. H. 86 %	24 hr. Mov. 118.8 mi	Sea L. 29.98	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq. T in.	Prev. Dir. WSW	3 hr. Tend. +2mb/	Wx L-	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer GK	Vis. 20mi	Vis.	Vis.

$T = 47$

$HDD = 18$

$\Sigma HDD = 118$

$\Sigma RN = 0.83''$

$T_{ROOF} = 45$

$TW = 43$

$T_d = 41$

$T_{d(TRANS)} = 38$

FRI. OCT. 9, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. SW	Temp. 68°	Sling Psychrometer missing. Roof values for T, Td, RH are RAMOS!
Min. 28 °F	Vel. 5 m.p.h.	Read. 29.19"	
Set 30 °F	Char. Steady	Corr. 29.07"	A copesetic morning.
R. H. 86 %	24 hr. Mov. 137.9mi	Sea L. 30.50"	
Ppn. Liq. 0.04 in.	Prev. Dir. W	3 hr. Tend. +1.3 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SAM	

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

$\overline{T} = 39$

$HDD = 26$

$\Sigma HDD = 144$

$\Sigma pcn = 0.87"$

$T = 31$

$Td = 28$

$RH = 86\%$

Sat., Oct. 10, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 58 °F	Dir. SSW	Temp. 68° F	BINOVC L- began AFTER 0800 LT		
Min. 30 °F	Vel. 3 m.p.h.	Read. 29.03			
Set 46 °F	Char. light	Corr. 28.91	Ramos Overnight low = 45°F		
R. H. 68 %	24 hr. Mov. 104.9mi	Sea L. 30.28	0700 Clds. 1Ø Str 10 Str Cu	1300 Clds.	1900 Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +0.7mb	Wx ∞, •	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JPH	Vis. 20mi	Vis.	Vis.

$\bar{T} = 44°F$

$H_{DD} = 21$

$\Sigma H_{DD} = 165$

$\Sigma \rho_{CA} = 0.87"$

$T_{roof} = 50°F$

$T_w = 45°F$

$T_d = 40°F$

$T_{drains} = 38°F$

SUN, OCT 11, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 67 °F	Dir. NE	Temp. 68	RAIN BEGAN ~8:30 PM.		
Min. 42 °F	Vel. 4 m.p.h.	Read. 28,92			
Set 42 °F	Char. STDY	Corr. 28,80			
R. H. 94 %	24 hr. Mov. 57.8	Sea L. 30.18	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq. .24 in.	Prev. Dir. W→NNE	3 hr. Tend. STDY	Wx RAIN	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer GK	Vis. ~4mi	Vis.	Vis.

$\bar{F} = 55$

$H_{DD} = 10$

$\Sigma H_{DD} = 175$

$\Sigma P_{GN} = 1,11''$

$T_{roof} = 45$

$T_W = 44$

$T_d = 43$

$T_{d(RAIN)} =$

MON, OCT. 12, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 45 °F	Dir. —	Temp. 68	VALLEY FOG EAST		
Min. 31 °F	Vel. 0 m.p.h.	Read. 28.88			
Set 33 °F	Char. CALM	Corr. 28.76			
			0700	1300	1900
R. H. 84 %	24 hr. Mov. 47 mi.	Sea L. 30.15	Clds. 10/10 V	Clds.	Clds.
Ppn. Liq. .03 in.	Prev. Dir. N	3 hr. Tend. +.5 mb	Wx BINOVC	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.	Vis.	Vis.

$T_{roof} = 37.5$ $T_w = 35.5$ $T_d = 33$

$T_{d\,rmms} = 31.5$

$\bar{T} = 38$

$DD = 27$

$\Sigma_{DD} = 202$

$\Sigma_{pcw.} = 1.14"$

Thes., Oct. 13, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 49 °F	Dir. —	Temp. 68°F	Ci west Valley fog East
Min. 31 °F	Vel. 0 m.p.h.	Read. 28.90	
Set 32 °F	Char. Calm	Corr. 28.78	Ramos Overnight Low = 34°F
R. H. 82 %	24 hr. Mov. 25.5mi	Sea L. 30.19	
Ppn. Liq. 0 in.	Prev. Dir. NW	3 hr. Tend. +1.5mb /	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JPH	

0700	1300	1900
Clds. 0/10	Clds.	Clds.
Wx ∞	Wx	Wx
Vis. 15mi	Vis.	Vis.

$\bar{T} = 40°F$

$H_{DD} = 25$

$\Sigma H_{DD} = 227$

$\Sigma pcn = 1.14$

$T_{roof} = 36°F$

$T_w = 34°F$

$T_d = 31°F$

$T_{d\,ramos} = 31°F$

WED. OCT. 14, 1987 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 56 °F	Dir. S	Temp. 68°	Some foginess on the imaginary river.		
Min. 28 °F	Vel. 2 m.p.h.	Read. 29.00 in			
Set 28 °F	Char. —	Corr. 28.98 in	FROSTY THE SNOWMAN...		
			0700	1300	1900
R. H. 72 %	24 hr. Mov. 21.7 mi	Sea L. 30.30 in	Clds. 00/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NNE	3 hr. Tend. +2.0 mb	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SAM	Vis. 20 mi	Vis.	Vis.

$\bar{T} = 42°F$

$HDD = 23$

$\Sigma HDD = 250$

$\Sigma pcn = 1.14 in$

$T_{roof} = 33°F$

$T_w = 31°F$

$T_d = 25°F$

$T_{d_{ramos}} = 27°F$

THURS. OCT 15, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 59 °F	Dir. NE	Temp. 68	FOG AT BASE OF MT., TOP CLEAR.		
Min. 28 °F	Vel. 2 m.p.h.	Read. 29.03	FROST IN THE Fringes OF CAMPUS.		
Set 31 °F	Char. —	Corr. 28.91	RAIN SUN. LOW: 32.		
			0700	1300	1900
R. H. 83 %	24 hr. Mov. 30.4	Sea L. 3032	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. STDY.	Wx CLEAR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer GR.	Vis. 25mi	Vis.	Vis.

$\bar{T} = 48$

$H_{DD} = 22$

$\Sigma_{HDD} = 272$

$\Sigma_{PCN} = 1.14$ in.

$T_{roof} = 37$

$T_W = 35$

$T_d = 32$

$T_{d(range)} = 31$

Fri. Oct. 16, 1987 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 67 °F	Dir. CALM	Temp. 73°	Fog in mountain base (Not a parcel of air moving)
Min. 31 °F	Vel. — m.p.h.	Read. 29.10"	
Set 36 °F	Char. not Brisk at all	Corr. 28.97"	Ravine Overnight Low: 59

	0700	1300	1900
R. H. 86 %	Clds. 00/10	Clds.	Clds.
Ppn. Liq. 0 in.	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Vis. 25 mi.	Vis.	Vis.

24 hr. Mov.	Sea L.	Prev. Dir.	3 hr. Tend.	Snow Depth	Observer
13.5 mi	30.36"	SSW	+0.0 mb	0 in.	SAM

$\bar{T} = 49$

$HDD = 16$

$\Sigma HDD = 288$ (wow!)

$\Leftarrow_{pcn} = 1.14$ in

$T_{roof} = 42°$

$T_w = 40°$

$T_d = 38°$

$T_{dramo} = 34°$

SAT., Oct 17, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 70 °F	Dir. NE	Temp. 72°F	Valley fog east		
Min. 36 °F	Vel. 4 m.p.h.	Read. 28.87			
Set 40 °F	Char. VRL E-NE 0-4 m.p.h.	Corr. 28.74	Ramos overnight lo = 44°F		
R. H. 74 %	24 hr. Mov. 46.1 mi	Sea L. 30.12	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. —	Clds. 7/10 Ci	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JPH	Wx ∞	Wx	Wx
			Vis. 7 mi.	Vis.	Vis.

$\bar{T} = 53°F$

$H_{DD} = 12$

$\Sigma H_{DD} = 300$

$\Sigma pcn = 1.14"$

$T_{roof} = 49°F$

$T_w = 45°F$

$T_d = 41°F$

$T_{dramos} = 38°F$

SUN, OCT. 18, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 72 °F	Dir. SW	Temp. 72			
Min. 39 °F	Vel. 6 m.p.h.	Read. 28.88			
Set 40 °F	Char. VBL 4-8	Corr. 28.76	RAIN OVN. LOW: 42		
R. H. 85 %	24 hr. Mov. 96.4	Sea L. 30.15	0700 Clds. 0/10	1300 Clds.	1900 Clds.
Ppn. Liq. T in.	Prev. Dir. SSW	3 hr. Tend. +1.51	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer GK	Vis. 20 mi.	Vis.	Vis.

$\bar{T} = 56$

$HDD = 9$

$\Sigma HDD = 309$

$\Sigma PCN = 1.14''$

$T_{roof} = 44$

$TW = 42$

$Td = 40$

$Td\ ranos = 37$

Mon. Oct. 19, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 63 °F	Dir. —	Temp. 73	VALLEY FOG E and ALONG RIDGE BOTTOMS		
Min. 35 °F	Vel. 0 m.p.h.	Read. 28.87			
Set 37 °F	Char. CALM	Corr. 28.74	RANGE OVNT LO = 39		
R. H. 87 %	24 hr. Mov. 45 mi.	Sea L. 30.13	0700	1300	1900
Ppn. 0 Liq. in.	Prev. Dir. W	3 hr. Tend. +1.0mb/	Clds. 4/10 Ci	Clds.	Clds.
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JHM	Wx ∞	Wx	Wx
			Vis. 8 V 12 mi.	Vis.	Vis.

$T_{roof} = 40.5$ $T_w = 39$ $T_d = 37$

$T_{d\,ramos} = 37$

$\bar{F} = 49$

$DD = 16$

$\Sigma_{DD} = 325$

$\Sigma_{pcw} = 1.14"$

Tues., Oct. 20, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 65 °F	Dir. SSW	Temp. 69°F			
Min. 37 °F	Vel. 4 m.p.h.	Read. 28.72			
Set 52 °F	Char. light	Corr. 28.60	Rooms Overnight Low = 51°F		
			0700	1300	1900
R. H. 77 %	24 hr. Mov. 51.2 mi	Sea L. 29.95	Clds. 10/10 Str Strcu	Clds.	Clds.
Ppn. T Liq. in.	Prev. Dir. S	3 hr. Tend. \	Wx 99, F-	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JPH	Vis. 6 mi	Vis.	Vis.

$\overline{T} = 51$

$HDD = 14$

$\Sigma HDD = 339$

$\Sigma pcn = 1.14"$

$T_{roof} = 55°F$

$T_w = 51°F$

$T_d = 48°F$

$T_{d\,ramos} = 46°F$

WED, OCT 21, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. WSW	Temp. 73°F	Wall of SEW to West		
Min. 40 °F	Vel. 2 m.p.h.	Read. 28.72"			
Set 40 °F	Char. steady	Corr. 28.60"	0700	1300	1900
R. H. 71 %	24 hr. Mov. 88.5mi	Sea L. 29.97"	Clds. 1/10	Clds.	Clds.
Ppn. Liq. 0.14 in.	Prev. Dir. SW	3 hr. Tend. +0.75mb	Wx SCT	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SM	Vis. 25mi	Vis.	Vis.

$\bar{T} = 49$

$A_{DD} = 16$

$\Sigma HDD = 355$

$\Sigma pen = 1.28"$

$T_{roof} = 44°$

$T_W = 40°$

$T_d = 35°$

$T_{d\,RAMOS} = 34°$

THURS, OCT. 22, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 44 °F	Dir. NW	Temp. 73	HIGHEST WIND GUST: 27 mph @ 11:45 AM.
Min. 34 °F	Vel. 8 m.p.h.	Read. 29.03	SW-- ca. 12:30 AM
Set 36 °F	Char. VBL 4-10	Corr. 28.90	OVN. LOW NAMES: 36
R. H. 76 %	24 hr. Mov. 226.2	Sea L. 30.30	
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. +2.0	
Ppn. T Sol. in.	Snow Depth 0 in.	Observer GK.	

0700	1300	1900
Clds. 8/10	Clds.	Clds.
Wx BKN	Wx	Wx
Vis. 25mi	Vis.	Vis.

$\bar{T} = 39$

$H_{DD} = 26$

$\Sigma H_{DD} = 381$

$\Sigma PCN = 1,28''$

$T_{FROST} = 39$

$T_W = 35$

$T_d = 31$

$T_{d(FROST)} = 28$

Fri. Oct 23, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 53 °F	Dir. SSW	Temp. 72°F	Ramos Low: .44 Trace of rain ≈9Z Bkn skies to nnw Happy Birthday to me!
Min. 36 °F	Vel. 10 m.p.h.	Read. 28.95"	
Set 44 °F	Char. steady	Corr. 28.82"	
R. H. 58 %	24 hr. Mov. 125.4mi	Sea L. 30.18"	
Ppn. Liq. (T) in.	Prev. Dir. SSW	3 hr. Tend. +0.0mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SAm	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 25mi	Vis.	Vis.

$\bar{T} = 45°$

$HDD = 20$

$\Sigma HDD = 401$

$\Sigma_{pen} = 1.28"$

$T_{roof} = 47°$

$T_w = 41°$

$T_d = 84°$

$T_{d\,RAMOS} = 29°$

Sat., Oct. 24, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 57 °F	Dir. SSE	Temp. 72°F	Valley fog east Str/Strcu NNW
Min. 32 °F	Vel. 4 m.p.h.	Read. 29.09	
Set 32 °F	Char. light	Corr. 28.96	Ramos Overnight low = 37°F
R. H. 76 %	24 hr. Mov. 52.6 mi	Sea L. 30.38	
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. +0.6 mb/	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer VPH	

0700	1300	1900
Clds. 8/10 Ci	Clds.	Clds.
Wx ∞	Wx	Wx
Vis. 20mi	Vis.	Vis.

$\overline{T} = 45°F$

$H_{DD} = 20$

$\Sigma H_{DD} = 421$

$\Sigma pcn = 1.28"$

$T_{roof} = 39°F$

$T_w = 36°F$

$T_d = 32°F$

$T_{drains} =$

SUN, OCT 25 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 67 °F	Dir. W	Temp. 70	Sling psychrometer missing. ROF values for T, TD, RH are RAMOS'.
Min. 32 °F	Vel. 10 m.p.h.	Read. 29.06	
Set 36 °F	Char. STDY	Corr. 29.94	RAMOS OVN LOW: 37

	0700	1300	1900
R. H. 77 %	Clds. ~1/0	Clds.	Clds.
Ppn. Liq. .03 in.	Wx BKN	Wx	Wx
Ppn. Sol. 0 in.	Vis. 20mi	Vis.	Vis.

Snow Depth 0 in.

3 hr. Tend. +1.5/

24 hr. Mov. 178.6 mi

Sea L. 30.35

Prev. Dir. SSW

Observer GK

$T = 50$

$H_{DD} = 15$

$\Sigma_{HDD} = 436$

$\Sigma_{PCN} = 131''$

$T_{TRANS} = 37$

$T_{d\,TRANS} = 30$

MON. OCT. 26, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 52 °F	Dir. —	Temp. 71	FOG/SMOKE ALONG CAVE of TUSSEY RIDGE, MT. NITTANY, + PENN'S VALLEY
Min. 23 °F	Vel. 0 m.p.h.	Read. 28.99	
Set 23 °F	Char. CALM	Corr. 28.87	RAMOS OVRNGT LOW = 27

	0700	1300	1900
R. H. 85 %	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Vis. 25 mi.	Vis.	Vis.

Prev. Dir.	3 hr. Tend.	Snow Depth	Observer
W	STDY	0 in.	JHM

24 hr. Mov.	Sea L.
84 mi.	30.30

$T_{roof} = 28$ $T_{d\ roof\ (January)} = 23.5$

$\bar{T} = 38$

$DD = 27$

$\Sigma_{DD} = 463$

$\Sigma_{PCN} = 1.31"$

Tues. Oct. 27, 1987

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. SSW	Temp. 71°F			
Min. 23 °F	Vel. 3 m.p.h.	Read. 28.68			
Set 39 °F	Char. VGL. SW-SE 0-10 mph	Corr. 28.56	Rems. Overnight low = 41°F		
			0700	1300	1900
R. H. 49 %	24 hr. Mov. 70.9mi	Sea L. 29.94	Clds. 9/10 Ci Ci Str.	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. \	Wx ∞	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JH	Vis. 20mi	Vis.	Vis.

$\bar{T} = 40$

$H_{DD} = 25$

$\Sigma H_{DD} = 488$

$\Sigma_{pcn} = 1.31"$

$T_{roof} = 43°F$

$T_w = 36°F$

$T_d = 25°F$

$T_{frames} = 26°F$

WED OCT 28, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 50 °F	Dir. W	Temp. 72°F	SCu to n.c. W		
Min. 36 °F	Vel. 3 m.p.h.	Read. 28.63			
Set 36 °F	Char. Steady	Corr. 28.51	0700	1300	1900
R. H. 82 %	24 hr. Mov. 74.8	Sea L. 29.88	Clds. 4/10	Clds.	Clds.
Ppn. Liq. 0.67 in.	Prev. Dir. S	3 hr. Tend. +1.0mb	Wx BKN	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer SAM	Vis. 20mi	Vis.	Vis.

$\bar{F} = 43$

$H_{DD} = 22$

$\Sigma H_{DD} = 510$

$\Sigma P_{CA} = 1.98''$

$T_{roof} = 40°$

$T_d = 35°$

$T_w = 37°$

$T_{d\,Atmos} = 34°$

THURS, OCT. 29, 1987 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 50 °F	Dir. WSW	Temp. 73	Virga NW Between 2 PM & 3 PM and INTERMITENT IP--
Min. 29 °F	Vel. 5 m.p.h.	Read. 28.81	
Set 31 °F	Char. STDY.	Corr. 28.68	
R. H. 88 %	24 hr. Mov. 82.8	Sea L. 30.08	
Ppn. Liq. .04 in.	Prev. Dir. W	3 hr. Tend. +1 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer GK	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx OVC.	Wx	Wx
Vis. 20 mi	Vis.	Vis.

$\bar{T} = 39$

$HDD = 26$

$\Sigma HDD = 536$

$\Sigma DAY = 2,02$

$T_{ROOF} = 35$

$T_W = 32$

$T_d = 27$

$T_{d(RAMS)} = 29$

FRI. OCT 30, 1987 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 45 °F	Dir. S	Temp. 72°F	No wet-bulb temp!		
Min. 23 °F	Vel. 2 m.p.h.	Read. 29.92	RAMOS OMNT LO = 26		
Set 26 °F	Char. Steady	Corr. 28.80	Hard Frost		
			0700	1300	1900
R. H. 94 %	24 hr. Mov. 75.1 mi	Sea L. 30.22	Clds. 10/10	Clds.	Clds.
Ppn. Liq. 0.01 in.	Prev. Dir. SW	3 hr. Tend. +0.5mb	Wx OVC	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer SAM	Vis. 20mi	Vis.	Vis.

$\bar{T} = 34$

$HDD = 31$

$\Sigma HDD = 567$

$\Sigma pcn = 2.03"$

$T_{roof} = 28°F$

T_W = NA!

Td_{roof} = NA!

$Td_{ramos} = 26$

Sat., Oct. 31, 1987 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 55 °F	Dir. NW	Temp. 73°F	Ci WSW Valley Fog east Fog in Lowlying area over golf course		
Min. 26 °F	Vel. 6 m.p.h.	Read. 29.10			
Set 36 °F	Char. Steady	Corr. 28.97			
			0700	1300	1900
R. H. 70%	24 hr. Mov. 61.4mi	Sea L. 30.38	Clds. 0/10	Clds.	Clds.
Ppn. T Liq. in.	Prev. Dir. S	3 hr. Tend. N/A	Wx Sunny	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer VPH	Vis. 15mi	Vis.	Vis.

$\bar{T} = 41$

$H_{HDD} = 24$

$\Sigma H_{DD} = 591$

$\Sigma pcn = 2.03"$

$T_{roof} = 46.5$

$T_w = 42.0$

$T_d = 37°F$

$T_{drains} = 37°F$