

Mon. Oct. 1, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 68 °F	Dir. SW	Temp. 72 °F	FPG ALONG RIDGE BOTTOMS + USUAL LOW PLACES SUN DOG SE RW - C. 0030 LT 3014 RW C. 1415-35, 3014			
Min. 42 °F	Vel. 4 m.p.h.	Read. 28.94 in.				
Set 44 °F	Char. light	Corr. 28.81 in.				
R.H. 92 %	24 hr. Mov. 83 mi.	Sea L. 30.18 in.	Clds. 1/10 ci	Clds.	Clds.	
Ppn. .02 in.	Liq. Prev. Dir. W	3 hr. Tend. 2.5 mb	Wx CLR	Wx	Wx	
Ppn. 0 in.	Sol. Snow Depth 0 in.	Observer JAM	Vis. 5 v 10 mi.	Vis. mi.	Vis. mi.	

$$T_{\text{roof}} = 44 \quad T_w = 43 \quad T_d = 42$$

$$T_{\text{drains}} = 40$$

$$\bar{T} = 55$$

$$H_{DD} = 10$$

$$PPN. = .02$$

Tues., Oct. 2, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 64 °F	Dir. W	Temp. 70 °F	Gradual wshft: 0400-0500LT Gust to 50 mph: 0500LT			
Min. 44 °F	Vel. 14 m.p.h.	Read. 28.87 in.	Fog gusts to 40 mph: 0300-0600LT PRESRR			
Set 52 °F	Char. Gusts to 20	Corr. 28.75 in.	Rains over Co: 51			
R.H. 66 %	24 hr. Mov. 155.2 mi.	Sea L. 30.10 in.	Clds. 1/10 cu ci	Clds.	Clds.	
Ppn. 0 in.	Prev. Dir. WSW	3 hr. Tend. +3.5 mb	Wx SCT	Wx	Wx	
Ppn. - in.	Snow Depth - in.	Observer ESP	Vis. 20 mi.	Vis. mi.	Vis. mi.	

$T_{\text{roof}}: 55$

$T_{\text{wet}}: 49$

$T_d: 44$

$\bar{T}: 54$

$H_{\text{so}}: 11$

$S H_{\text{so}}: 21$

$\Sigma p_n(z): .02$

Wed. October 3 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.				
Max.	63 °F	Dir.	SSE	Temp.	71 °F	• Thin Fog n/2 up from base of Mt. Nittany. Essentially no significant fog west.				
Min.	39 °F	Vel.	4 m.p.h.	Read.	29.16 in.					
Set	42 °F	Char.	light + steady	Corr.	29.04 in.					
R.H.	93 %	24 hr. Mov.	105 mi.	Sea L.	30.44 in.	Clds.	4/10	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	W	3 hr. Tend.	+1 1/2 mb	Wx	• at 5000 ft • at 6000 ft			
Ppn.	0 in.	Snow Depth	0 in.	Observer	JCK	Vis.	20 mi.			

$$T_{avg} = 41 \quad F = 51 \quad \sum 1/c_n = .02''$$

$$T_w = 40 \quad H_{DB} = 14$$

$$T_d = 39 \quad \sum H_{DB} = 35$$

$$c_{DB} = 0$$

$$\sum c_{DB} = 0$$

THURSDAY, OCTOBER 4, 1990 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	69 °F	Dir. SSW	Temp. 69 °F	• R- began 0735 LT, 4 <sup>th</sup>		
Min.	42 °F	Vel. 16 m.p.h.	Read. 28.73 in.	• BINOC (thin) E • pressure falling rapidly • winds fluctuating from 170°-230°		
Set	62 °F	Char. varying 10-22	Corr. 28.61 in.	• cont to = 61 @ 2100LT, 3 <sup>rd</sup>		
R.H.	100 %	24 hr. Mov. 142 mi.	Sea L. 29.91 in.	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq.	0.01 in.	Prev. Dir. S	3 hr. Tend. -3 mb	Wx R-	Wx	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer MSS	Vis. 3 mi.	Vis. mi.	Vis. mi.

$$T_{\text{roof}} = 61 \quad T_{d_{\text{frames}}} = 55$$

$$T_{\text{wet}} = 61$$

$$T_d = 61$$

$$\bar{T} = 55$$

$$HDD = 10$$

$$\sum HDD = 45$$

$$\sum CDD = 0$$

$$\sum PCN = 0.03''$$



Fri. October 5 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 63 °F	Dir. WSW	Temp. 73 °F	29.84 in.	* R - 091 - 1520 LT * WINDSMPPT / FROPA 1515 LT * (RW 1445 - 1515 LT) Brief RW - 0245 - 0300 LT		
Min. 51 °F	Vel. 11-25 m.p.h.	Read.				
Set 58 °F	Char. Highly variable	Corr. 28.71 in.		0700	1300	1900
R.H. 53 %	24 hr. Mov. 175 mi.	Sea L. 30.04 in.	Clds. 5/10	Clds.	Clds.	
Ppn. .50 in.	Liq. Prev. Dir. SEW	3 hr. Tend. 20 mb	Wx clear windy	Wx	Wx	
Ppn. 0 in.	Sol. Snow Depth 0 in.	Observer J&K	Vis. 35 mi.	Vis. mi.	Vis. mi.	

$$T_{air} = 57 \quad \bar{T} = 57 \quad P_{ent} = .53''$$

$$T_w = 48 \quad H_{AD} = 8$$

$$T_d = 40 \quad \Sigma H_{DA} = 53$$

$$C_{AA} = 0$$

$$\Sigma C_{DA} = 0$$

Sat. Oct. 6, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.			Dir.	Temp.	A beautiful Homecoming (for once!)		
74	°F		SW	68 °F			
Min.			Vel.	Read.	Ci densest Sw Dunt LD: 54 (on shed Thermograph)		
54	°F		4 m.p.h.	28.92 in.			
Set			Char.	Corr.	0700	1300	1900
54	°F		Steady	28.80 in.			
R.H.			24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
57	%		134.7 mi.	30.13 in.	1/10 Ci		
Ppn.	Liq.		Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0	in.		SW	+1.6 mb	-SCT		
Ppn.	Sol.		Snow Depth	Observer	Vis.	Vis.	Vis.
-	in.		- in.	ESP	30 mi.	mi.	mi.

Troof: 61

Towas: 59

Tv: 55

Tdms: 44

Td: 50

F: 64

Hag: 1

E Hag: 54

Epcn(6): .53"

Sunday, October 7, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 81 °F	Dir. -	Temp. 68 °F	Read. 28.97 in.	<ul style="list-style-type: none"> <li>• a little valley fog</li> <li>• a few lonely altostratus distant W, N</li> </ul>		
Min. 52 °F	Vel. - m.p.h.	Corr. 28.85 in.				
Set 52 °F	Char. calm					
R.H. 85 %	24 hr. Mov. 103 mi.	Sea L. 30.16 in.	0700 Clds. CLR	1300 Clds.	1900 Clds.	
Ppn. 0 in.	Liq. in.	Prev. Dir. SW	3 hr. Tend. +1 mb	Wx sunny	Wx	Wx
Ppn. -	Sol. in.	Snow Depth -	Observer MSS	Vis. 25 mi.	Vis. mi.	Vis. mi.

$$T_{cool} = 52 \quad T_{heats} = 45$$

$$T_{wet} = 49.5$$

$$\Sigma HDD = 54$$

$$CDD = 2$$

$$T_b = 47.5$$

$$\Sigma CDD = 2$$

$$\Sigma PCW = 0.53''$$

$$\bar{T} = 67$$

MON. OCT. 8, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 77 °F	Dir. —	Temp. 77 °F	BINOC W, GF PENNS VALLEY			
Min. 52 °F	Vel. 0 m.p.h.	Read. 28.97 in.	RW-- C. 0745 LT			
Set 63 °F	Char. CALM	Corr. 28.83 in.	OVRAT LD = 63			
R.H. 90 %	24 hr. Mov. 60 mi.	Sea L. 30.15 in.	0700	1300	1900	
Ppn. 7 in.	Prev. Dir. SSW	3 hr. Tend. +1.0 mb	Clds. 10/10	Clds.	Clds.	
Ppn. 0 in.	Sol. 0 in.	Snow Depth 0 in.	Wx OVC	Wx	Wx	
		Observer JHM	Vis. 12 mi.	Vis. mi.	Vis. mi.	

$$T_{rot} = 63 \quad T_w = 61 \quad T_d = 60$$

$$T_{d \text{ ram}} = 52$$

$$T_{d \text{ unv}} = 58$$

$$\bar{T} = 65 \quad DD = 0$$

$$\Sigma H_{DD} = 54$$

$$\Sigma C_{DD} = 2$$

$$\Sigma PPN. = 0.53$$



Tues, Oct. 9, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	78 °F	Dir.	-	Temp.	72 °F	Vsbly 3 NW-NE Hier clds vsl E		
Min.	60 °F	Vel.	Calm m.p.h.	Read.	28.87 in.			
Set	62 °F	Char.	Calm	Corr.	28.74 in.	0700	1300	1900
R.H.	93 %	24 hr. Mov.	32.7 mi.	Sea L.	30.07 in.	Clds.	Fog SR Ab	Clds.
Ppn.	0 in.	Prev. Dir.	SW	3 hr. Tend.	-0.03 mb	Wx	F	Wx
Ppn.	- in.	Snow Depth	- in.	Observer	ESP	Vis.	1 3/4 mi.	Vis.

Trop: 60

Tdiff: 85

Td: 64

~~Td~~

$\bar{T}$ : 69

CO<sub>2</sub>: 4

$\Sigma$  CO<sub>2</sub>: 6

$\Sigma$  H<sub>2</sub>O: 54

$\Sigma$  P<sub>in</sub>: 0.53

Wed. October 10 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	77 °F	Dir.	—	Temp.	• RW - 1500 - 1530 (same RW)		
Min.	62 °F	Vel.	0 m.p.h.	Read.	28.87 in.		
Set	64 °F	Char.	calm	Corr.	• next low: 62		
R.H.	81 %	24 hr. Mov.	86 mi.	Sea L.	0700	1300	1900
Ppn.	.04 in.	Prev. Dir.	SSW	3 hr. Tend.	Clds.	Clds.	Clds.
				+1 mb	Wx	Wx	Wx
Ppn.	0 in.	Sol.	0 in.	Observer	Wx	Wx	Wx
				JCK	Vis.	Vis.	Vis.
					30 mi.	mi.	mi.

$$T_{\text{avg}} = 65 \quad \bar{T} = 70 \quad \Sigma A_{N_i} = .57''$$

$$T_w = 61 \quad H_{DD} = 0$$

$$T_d = 59 \quad \Sigma H_{DD} = 54$$

$$C_{DA} = 5$$

$$\Sigma C_{DD} = 11$$

THURSDAY, OCTOBER 11, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. SE	Temp. 72 °F	• R- 2310-cbs (a couple of intermittent dry periods)		
Min.	63 °F	Vel. 16 m.p.h.	Read. 28.80 in.			
Set	66 °F	Char. Steady	Corr. 28.67 in.	• affected by remnants of Klaus		
R.H.	98 %	24 hr. Mov. NA mi.	Sea L. 29.96 in.	0700 Clds. 10/10 stratocumulus	1300 Clds.	1900 Clds.
Ppn.	Liq. 1.36 in.	Prev. Dir. NA	3 hr. Tend. -1 1/2 mb	Wx R-F	Wx	Wx
Ppn.	Sol. - in.	Snow Depth - in.	Observer MSS	Vis. 3 mi.	Vis. mi.	Vis. mi.

$$T_{\text{cool}} = 66$$

$$T_d = 65.5$$

$$T_w = 65.5$$

$$\bar{T} = 71$$

$$\sum \text{HDD} = 54$$

$$\text{CDD} = 6$$

$$\sum \text{CDD} = 17$$

$$\sum \text{PCN} = 1.93''$$



$$T_{\text{roof}} = 54 \quad T = 61 \quad \sum P_{\text{H}_2} = 3.08^4$$

$$T_w = 54 \quad \text{HOD} = 4$$

$$T_d = 54 \quad \sum \text{HOD} = 58$$

$$\text{COB} = 0$$

$$\sum \text{COB} = 17$$



SAT. October 13 1990 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	72 °F	Dir. NNE	Temp. 70 °F	<ul style="list-style-type: none"> <li>• Pattern of ridges associated by low cloud.</li> <li>• R - stopped shortly after yesterday's organization.</li> <li>• R - began ~ 2230 LT &amp; continued through the night. Some R mixed.</li> <li>• Over low 64</li> </ul>		
Min.	56 °F	Vel. 2-7 m.p.h.	Read. 28.68 in.			
Set	64 °F	Char. Variable	Corr. 28.56 in.			
R.H.	100 %	24 hr. Mov. 45 mi.	Sea L. 29.87 in.			
Ppn.	.60 in.	Prev. Dir. S	3 hr. Tend. -1 1/2 mb	Clds. 10 / 110 Wx • ovc • R -	Clds.	Clds.
Ppn.	0 in.	Snow Depth 0 in.	Observer JCK	Vis. 4 mi.	Vis.	Vis.

$$T_{avg} = 62 \quad \bar{T} = 64 \quad \sum PCN = 3.68''$$

$$T_w = 62 \quad HDO = 1$$

$$T_d = 62 \quad \sum HDO = 59$$

$$cDA = 0$$

$$\sum cDA = 17$$

Sun. Oct. 14, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 74 °F	Dir. W	Temp. 68 °F	R- 0200-0900 LT Fw RW-- 0900-1200 LT			
Min. 60 °F	Vel. 10 m.p.h.	Read. 28.72 in.	Hole in cig SW			
Set 60 °F	Char. Steady	Corr. 28.60 in.	0700	1300	1900	
R.H. 84 %	24 hr. Mov. 45.6 mi.	Sea L. 29.92 in.	Clds. 710 St	Clds.	Clds.	
Ppn. .08 in.	Liq. in.	Prev. Dir. WSW	3 hr. Tend. 1+19 mb	Wx BKN	Wx	Wx
Ppn. - in.	Sol. in.	Snow Depth in.	Observer ESP	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{ref}$ : 62.5  
 $T_{ref}$ : 63  
 $rd$ : 58

$\bar{T}$ : 67

$C_{00}$ : 2

$2C_{00}$ : 19

$\Sigma k_{00}$ : 59

$\Sigma \mu_n$ :  $3.76^{\circ}$

MON. OCT. 15, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	68 °F	Dir.	WSW	Temp.	69 °F	VIS. LWR W PRESRR OVRNT LD. 50, OCLD ~ 0300LT HNY DEW OVRNT = T IN GAGE		
Min.	50 °F	Vel.	11 m.p.h.	Read.	28.71 in.			
Set	58 °F	Char.	STDY	Corr.	28.59 in.			
R.H.	72 %	24 hr. Mov.	72 mi.	Sea L.	29.91 in.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	WSW	3 hr. Tend.	+2.2 mb	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	JHM	Wx	Wx	Wx
				Vis.	8 V 16 mi.	Wx	Wx	Wx
						mi.	mi.	mi.

$$T_{rot} = 57$$

$$T_w = 52$$

$$T_d = 48$$

$$T_{d_{rms}} = 47$$

$$\bar{T} = 59$$

$$H_{DO} = 6$$

$$\Sigma H_{DO} = 65$$

$$\Sigma C_{DO} = 19$$

$$\Sigma ppm = 3.76''$$

Tues. Oct. 16, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	64 °F	Dir.	SW	Temp.	72 °F	fog bkt dsat NE		
Min.	41 °F	Vel.	3 m.p.h.	Read.	29.07 in.			
Set	42 °F	Char.	Steady	Corr.	28.94 in.	0700	1300	1900
R.H.	78 %	24 hr. Mov.	120.5 mi.	Sea L.	30.34 in.	Clds.	Clds.	Clds.
Ppn.	0 in.	Prev. Dir.	W	3 hr. Tend.	+20 mb	Wx	Wx	Wx
Ppn.	- in.	Snow Depth	- in.	Observer	ESP	Vis.	Vis.	Vis.
						25 mi.	mi.	mi.

Prof: 44  
Tues: 41.5  
Tot: 38.5  
 $\bar{T}$ : 53

H<sub>00</sub>: 12

$\Sigma H_{00}$ : 77

$\Sigma C_{00}$ : 19

$\Sigma \mu$ : 3.76



Wed. Oct 17 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 63 °F	Dir. WSW	Temp. 73 °F	- over low: 48			
Min. 42 °F	Vel. 3 m.p.h.	Read. 29.04 in.				
Set 51 °F	Char. Light & steady	Corr. 28.91 in.				
R.H. 56 %	24 hr. Mov. 53 mi.	Sea L. 30.28 in.	Clds. 7/10	0700	1300	1900
Ppn. 0 in.	Liq. in.	Prev. Dir. SSW	3 hr. Tend. ± 0 mb	Wx PM sunny	Wx	Wx
Ppn. 0 in.	Sol. in.	Snow Depth 0 in.	Observer JCK	Vis. 40 mi.	Vis. mi.	Vis. mi.

$$\begin{aligned} T_{\text{avg}} &= 51 & \bar{T} &= 52 & \Sigma A_{\text{CN}} &= 3.76'' \\ T_0 &= 44 & H_{00} &= 12 \\ T_1 &= 36 & \Sigma H_{01} &= 89 \\ & & C_{00} &= 0 \\ & & \Sigma C_{00} &= 19 \end{aligned}$$

THURS., Oct 18, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 71 °F	Dir. SSW	Temp. 70 °F	• temperatures fairly steady all night (cont 10-64)			
Min. 51 °F	Vel. 8 m.p.h.	Read. 28.65 in.	• PRESFR			
Set 64 °F	Char. G 44	Corr. 28.53 in.	• breaks in clouds ovhd & near E			
			• sun visible			
			0700	1300	1900	
R.H. 74 %	24 hr. Mov. 847 mi.	Sea L. 29.82 in.	Clds. 9/10 $\sigma$	Clds.	Clds.	
Ppn. 0 in.	Liq. in.	Prev. Dir. NS	3 hr. Tend. -3 mb	Wx windy	Wx	Wx
Ppn. 0 in.	Sol. in.	Snow Depth 0 in.	Observer MSS	Vis. 6 mi.	Vis. mi.	Vis. mi.

$$T = 62 \quad T_{\text{dramas}} = 52$$

$$T_w = 57$$

$$T_a = 53.5$$

$$HDD = 4$$

$$\Sigma HDD = 93 \quad \Sigma CDD = 19$$

$$\Sigma PCN = 3.76''$$

$$\bar{T} = 61$$

Fri. October 19 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 65 °F	Dir. WNW	Temp. 70 °F		<ul style="list-style-type: none"> <li>• A fantastically dense exist marine (dense as in air quality, that is)</li> <li>• RW - (OCH RW) 1000-1545 LT</li> <li>• RW + 1055-1100 1120-1140 1405-1430</li> <li>• RW + 1055-1100 1120-1140 1405-1430</li> <li>• Gust to 74 mph 1230 • From 1425</li> </ul>		
Min. 39 °F	Vel. 10-29 m.p.h.	Read. 29.75 in.				
Set 40 °F	Char. highly variable	Corr. 28.63 in.		0700	1300	1900
R.H. 64 %	24 hr. Mov. 332 mi.	Sea L. 30.01 in.	Clds. 9/10 cumulus	Clds.	Clds.	
Ppn. Liq. .86 in.	Prev. Dir. W	3 hr. Tend. +3 1/2 / mb	Wx - windy - cloudy	Wx	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 60 mi.	Vis. mi.	Vis. mi.	Vis. mi.

$$T_{\text{avg}} = 30 \quad \bar{T} = 52 \quad \sum R_{\text{avg}} = 4.62''$$

$$T_w = 34 \quad H_{\text{BD}} = 13$$

$$T_d = 27 \quad \sum H_{\text{BD}} = 106$$

$$C_{\text{BD}} = 0$$

$$\sum C_{\text{BD}} = 19$$

Sat. October 20 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	49 °F	Dir. —	Temp. 72 °F	* INTANTY L - EARLY AM. * FIRST SUB 32 LOW (AND SET) OF THE SEASON		
Min.	30 °F	Vel. 0 m.p.h.	Read. 29.14 in.			
Set	31 °F	Char. Calm	Corr. 29.01 in.			
R.H. <i>Ames</i>	83 %	24 hr. Mov. 113 mi.	Sea L. 30.43 in.	0700 Clds. / 10 clouds	1300 Clds.	1900 Clds.
Ppn.	Liq. T in.	Prev. Dir. W	3 hr. Tend. +2 / mb	Wx * Lv Fog * Spry	Wx	Wx
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer Jek	Vis. 30 mi.	Vis. mi.	Vis. mi.

$$T_{\text{avg}} = 32 \quad \bar{T} = 40 \quad \sum p c N_v = 4.62''$$

$$T_w = - \quad N_{DB} = 25 \quad \sum p c N_s = 0$$

$$T_d = 27 \quad \sum N_{DB} = 131$$

$$c_{DB} = 0$$

$$\sum c_{DB} = 19$$



SUNDAY, OCTOBER 21, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	58 °F	Dir. SW	Temp. 74 °F	*overnite low = 44°		
Min.	31 °F	Vel. 8 m.p.h.	Read. 29.68 in.	* Ci very thin		
Set	46 °F	Char. 6 v 10	Corr. 28.95 in.	* few Cu distant E		
R.H.	86 %	24 hr. Mov. 65 mi.	Sea L. 30.25 " in.	0700 Clds. 7/10 Ci	1300 Clds.	1900 Clds.
Ppn.	0 in.	Prev. Dir. S	3 hr. Tend. + 1/2 mb	Wx mostly sunny	Wx	Wx
Ppn.	0 in.	Snow Depth 0 in.	Observer MSS	Vis. 15 mi.	Vis. mi.	Vis. mi.

$$T_{\text{roof}} = 45 \quad T_{\text{d, base}} = 37$$

$$T_w = 43$$

$$\text{HDD} = 20$$

$$\Sigma \text{CDD} = 19$$

$$T_d = 41$$

$$\Sigma \text{HDD} = 151$$

$$\Sigma \text{PCN}_L = 4.62''$$

$$\bar{T} = 45$$

$$\Sigma \text{PCN}_S = \cancel{4.62} 0$$

MON OCT. 22, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 62 °F	Dir. NNE	Temp. 75 °F	SUN VIS THRU CIRROSTRATUS FEW BRKS E GF LEMONT, PENNS V. BASE of TURKEY RIDGE			
Min. 45 °F	Vel. 1 m.p.h.	Read. 28.92 in.				
Set 50 °F	Char. ~ calm	Corr. 28.79 in.				
			0700	1300	1900	
R.H. 86 %	24 hr. Mov. 80 mi.	Sea L. 30.14 in.	Clds. 10/10	Clds.	Clds.	
Ppn. 0 in.	Liq. in.	Prev. Dir. S	3 hr. Tend. STDY mb	Wx OVC	Wx	Wx
Ppn. 0 in.	Sol. in.	Snow Depth 0 in.	Observer JHM	Vis. 12 mi.	Vis. mi.	Vis. mi.

$$T_{roof} = 48 \quad T_w = 46 \quad T_d = 44$$

$$T_{Rams} = 43$$

$$\bar{T} = 54$$

$$H_{DO} = 11 \quad \Sigma H_{DO} = 162$$

$$\Sigma C_{DO} = 19$$

$$\Sigma PPM = 4.62''$$

Tues. Oct 23, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 58 °F	Dir. E		Temp. 76 °F	RW - 0930-0945 LT R - 1040 - obs LT L - 2010 - 2300 LT ocnl R 0700-0800 LT, 0730-obs LT vsby 3 NE / Cig rpd / R-ocnl R		
Min. 50 °F	Vel. 9 m.p.h.		Read. 28.72 in.	Temp slowly rose overnight.		
Set 54 °F	Char. Gusts to 16		Corr. 28.58 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. 15.9 mi.		Sea L. 29.91 in.	Clds. 10 St 16	Clds.	Clds.
Ppn. .72 in.	Liq.	Prev. Dir. NE	3 hr. Tend. -1.0 mb	Wx R-F	Wx	Wx
Ppn. - in.	Sol.	Snow Depth - in.	Observer ESP	Vis. 1 1/2 mi.	Vis. mi.	Vis. mi.

T<sub>roof</sub>: 59  
T<sub>w</sub>: 59  
T<sub>o</sub>: 59

T: 54

H<sub>60</sub>: 11

E<sub>H<sub>60</sub></sub>: 173

E<sub>C<sub>60</sub></sub>: 19

E<sub>pin</sub>: ~~0.00~~ 5.37

Wednesday, October 24, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	58 °F	Dir.	NW	Temp.	75 °F	• R- obs - 1615 LT • R 0830 - 1145 LT • R+ 0915 - 0945 LT • L- 1600 - 1700LT 1800 - 1900LT		
Min.	48 °F	Vel.	9 m.p.h.	Read.	28.73 in.	gauge emptied 2000LT 1.22"		
Set	48 °F	Char.	6 V 12	Corr.	28.60 in.	• BINOC E-S		
R.H.	65 %	24 hr. Mov.	65 mi.	Sea L.	29.89 in.	0700	1300	1900
Ppn.	1.22 in.	Prev. Dir.	WNW	3 hr. Tend.	↑ + 1/2 mb	Clds. 10/10 stratocumulus	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	MSS	Wx breezy	Wx	Wx
						Vis. 15 mi.	Vis. mi.	Vis. mi.

$$T_{\text{roof}} = 47 \quad T_{\text{dramos}} = 37$$

$$T_{\text{wet}} = 42$$

$$T_{\text{d}} = 36$$

$$\bar{T} = 53$$

$$\text{HDD} = 12$$

$$\Sigma \text{HDD} = 185$$

$$\Sigma \text{CDD} = 19$$

$$\Sigma \text{PCN}_e = 6.56''$$



THURS. OCT. 25, 1990 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	60 °F	Dir.	NW	Temp.	76 °F	OB DLAD BINOC E THN CIRROSTRATUS + CIRCUM		
Min.	41 °F	Vel.	1 m.p.h.	Read.	28.76 in.			
Set	44 °F	Char.	~calm	Corr.	28.62 in.			
R.H.	79 %	24 hr. Mov.	57.3 mi.	Sea L.	29.97 in.	0700	1300	1900
Clds.	10/10	Clds.		Clds.				
Ppn.	0 in.	Prev. Dir.	W	3 hr. Tend.	+1.0 mb	Wx	OVC	Wx
Wx		Wx		Wx				
Ppn.	0 in.	Sol.	0 in.	Snow Depth	0 in.	Observer	JHM	Vis.
Vis.	25 mi.	Vis.		Vis.		mi.		mi.

$$T_{\text{roof}} = 43 \quad T_{\text{drains}} = 37$$

$$\bar{T} = 51$$

$$H_{\text{DO}} = 14$$

$$\sum H_{\text{DO}} = 199$$

$$\sum C_{\text{DO}} = 19$$

$$\sum p_{\text{DN}_i} = 6.56''$$

Fri. October 26 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	54 °F	Dir.	N	Temp.	74 °F	SW - 2300 - 0000 LT (Pgt. Ink) Same printing just before obs as well.		
Min.	40 °F	Vel.	9-16 m.p.h.	Read.	28.76 in.			
Set	40 °F	Char.	Variable	Corr.	28.63 in.			
R.H.	67 %	24 hr. Mov.	103 mi.	Sea L.	30.01 in.	0700	1300	1900
Ppn.	T in.	Prev. Dir.	N	3 hr. Tend.	+1 1/2 mb	Clds.	Clds.	Clds.
Ppn.	T in.	Snow Depth	0 in.	Observer	Jek	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						40 mi.	mi.	mi.

$$T_{\text{avg}} = 39 \quad \bar{F} = 47 \quad \sum PCN_2 = 6.56^*$$

$$T_w = 38 \quad \text{MOD} = 18$$

$$T_d = 29 \quad \sum \text{MOD} = 217$$

$$\text{COB} = 0$$

$$\sum \text{COB} = 19$$

Sat. Oct. 27, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	43 °F	Dir.	-	Temp.	73 °F	SK -- ~0845 LT ~1000 LT			
Min.	26 °F	Vel.	calm m.p.h.	Read.	28.94 in.	SW - vtbl ENV OF TUXEY RIDGE ~0845 LT			
Set	26 °F	Char.	ceal SW at 2	Corr.	28.81 in.	Thn st Lyr SW-W Lo in Dattens: 7°F @ 0715 LT			
R.H.	93 %	24 hr. Mov.	90.3 mi.	Sea L.	30.23 in.	Clds.	0700	1300	1900
Ppn.	T in.	Prev. Dir.	NNW	3 hr. Tend.	+1.8 mb	Clds.	0/10	Clds.	Clds.
Ppn.	T in.	Snow Depth	0 in.	Observer	ESP	Wx	CLR	Wx	Wx
						Vis.	25 mi.	Vis.	mi.

Trans: 20  
Thur: 29  
Tot: 28

$\bar{T}$ : 35

$H_{00}$ : 30

$\Sigma H_{00}$ : 247

$\Sigma C_{00}$ : 19

$\Sigma p_{00}(i)$ :  $C \cdot 56^2$

$\Sigma p_{00}(s)$ : T

Sun. October 28 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	53 °F	Dir. WSW	Temp. 73 °F	• Rain shower ~15 miles SW down the valley.		
Min.	26 °F	Vel. 15-29 m.p.h.	Read. 28.77 in.	• DUNT Low 42		
Set	48 °F	Char. Highly variable	Corr. 28.64 in.	• AW - SPW - 0300-0320 LT EDT (First 7:00 AM card of season)		
R.H.	71 %	24 hr. Mov. 92 mi.	Sea L. 30.00 in.	0700 Clds. 10/ cumulus (10 (few drinks))	1300 Clds.	1900 Clds.
Ppn.	.01 in.	Prev. Dir. SSW	3 hr. Tend. +1 / mb	Wx • windy • AW-	Wx	Wx
Ppn.	T in.	Snow Depth 0 in.	Observer JCK	Vis. 20 SW 40 AS	Vis. mi.	Vis. mi.

$$T_{\text{roof}} = 46 \quad F = 90 \quad \sum \text{PEN}_v = 6.57''$$

$$T_w = 42 \quad \text{HDD} = 25$$

$$T_d = 37 \quad \sum \text{HDD} = 272$$

$$\text{CDD} = 0$$

$$\sum \text{CDD} = 19$$



MON. OCT. 29, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.							
Max.	48 °F	Dir.	NNW	Temp.	72 °F	OCNL RW - 0700 - 1000 LT OCNL SG -- 1300 - 1500 LT RW - IPW - 1500 - 1520 LT FROPA 0830 LT OCNL GUSTS ≥ 40 mph DURING Day, 29th (OVER)							
Min.	36 °F	Vel.	10 m.p.h.	Read.	29.06 in.								
Set	36 °F	Char.	GUSTS TO 20 MPH	Corr.	28.93 in.								
R.H.	55 %	24 hr. Mov.	227 mi.	Sea L.	30.31 in.								
Ppn.	.01 in.	Liq.		Prev. Dir.	W	3 hr. Tend.	1+2.0 mb	Clds.	8/10 V	Clds.		Clds.	
Ppn.	T in.	Sol.		Snow Depth	0 in.	Observer	JHM	Wx	PTLY SUNNY	Wx		Wx	
						Observer	JHM	Vis.	25 mi.	Vis.		Vis.	
											mi.		mi.

$$T_{\text{roof}} = 35 \quad T_w = 30 \quad T_a = 20.5$$

$$T_{\text{drum}} = 20$$

$$\bar{T} = 42$$

$$H_{00} = 23$$

$$\sum H_{00} = 295$$

$$\sum C_{00} = 19$$

$$\sum \text{pow.} = 6.58''$$

\* FEW SW-  
OVERNET

Tues. Oct. 30, 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	49 °F	Dir.	SW	Temp.	73 °F	Ptych valley fog NE		
Min.	28 °F	Vel.	5 m.p.h.	Read.	29.11 in.			
Set	30 °F	Char.	steady	Corr.	28.98 in.			
R.H.	70 %	24 hr. Mov.	69.1 mi.	Sea L.	30.41 in.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	WNW	3 hr. Tend.	-10.0 mb	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	ESP	Wx	Wx	Wx
				Observer	ESP	Vis.	Vis.	Vis.
						25 mi.	mi.	mi.

$T_{ref}: 32$

$T_{wet}: 29$

$T_d: 25$

$\bar{T}: 39$

$H_{60}: 26$

$E_{H_{60}}: 321$

$E_{(60)}: 19$

$E_{pen}(6): 6.59$

$E_{pen}(2): 7$

Wed. October 31 1990

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	65 °F	Dir. —	Temp. 74 °F	• over low: 53		
Min.	30 °F	Vel. 0 m.p.h.	Read. 29.04 in.			
Set	53 °F	Char. Calm	Corr. 28.91 in.			
R.H.	43 %	24 hr. Mov. 95 mi.	Sea L. 30.26 in.	0700 Clds. 10/10 High 1/10 stratus	1300 Clds.	1900 Clds.
Ppn.	0 in.	Prev. Dir. SW	3 hr. Tend. +1 / mb	Wx • over • mild	Wx	Wx
Ppn.	0 in.	Snow Depth 0 in.	Observer JEK	Vis. 30 mi.	Vis. mi.	Vis. mi.

$$T_{adj} = 54 \quad \bar{T} = 48 \quad \sum R_{adj} = 6.58''$$

$$T_w = 44 \quad MOD = 17 \quad \sum PCN_i = T$$

$$T_L = 32 \quad \sum MOD = 338$$

$$COO = 0$$

$$\sum COO = 19$$