Tues., Nov. 1, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 64 °F	Dir. SW	Temp. 72 °F	• Some ground fog in valleys • thin stratus distant NW
Min. 42 °F	Vel. 4 m.p.h.	Read. 29.05 in.	
Set 42 °F	Char. steady	Corr. 28.92 in.	
R.H. 89 %	24 hr. Mov. 7 mi.	Sea L. 30.23 in.	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. ⌐ +½ mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	

0700	1300	1900
Clds. 9/10	Clds.	Clds.
Wx sunny	Wx	Wx
Vis. 10 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 43$

$T_w = 41.5$

$T_d = 40$

$\bar{T} = 53$

$HDD = 12$

$\Sigma HDD = 12$

$\Sigma CDD = 0$

$\Sigma PCN_l = 0$

$\Sigma PCN_s = 0$

Fri. November 2 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 72 °F	Dir. S	Temp. 74 °F	• THIN, LOW FOG EVERYWHERE, BUT densest/ly THICKER along RidgE lines.
Min. 41 °F	Vel. 4 m.p.h.	Read. 29.05 in.	
Set 41 °F	Char. Steady	Corr. 28.92 in.	

	0700	1300	1900
R.H. 87 %	Clds. 5/10 CIRRUS	Clds.	Clds.
Ppn. Liq. 0 in.	Wx • THIN, LOW • ON TWO FOG	Wx	Wx
Ppn. Sol. 0 in.	Vis. 30 mi.	Vis. mi.	Vis. mi.

24 hr. Mov.	3 hr. Tend.	Prev. Dir.	Sea L.	Snow Depth	Observer
64 mi.	+½ ~ mb	WSW	30.30 in.	0 in.	JcK

$T_{max} = 43$ $\bar{T} = 57$ $\Sigma PCN_h = 0$

$T_w = 41$ $HDD = 8$ $\Sigma PCN_s = 0$

$T_L = 39$ $\Sigma_{HDD} = 20$

$CDD = 0$

$\Sigma_{CDD} = 0$

Sat. Nov. 3, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 72 °F	Dir. W	Temp. 78 °F			
Min. 41 °F	Vel. 10 m.p.h.	Read. 29.04 in.			
Set 62 °F	Char. Steady	Corr. 29.90 in.	Gust 40: 52 @ 0000 LT		
			0700	1300	1900
R.H. 45 %	24 hr. Mov. 102.9 mi.	Sea L. 30.24 in.	Clds. 10/10 Cs Cs Cu	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. / +0.5 mb	Wx -OVC	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	Vis. 15 mi.	Vis. mi.	Vis. mi.

T_{wet}: 65

T_w: 53

T_d: 43

$\bar{T}$: 57

W_{a_0}: 8

ΣW_{a_0}: 28

Σp_{m_L}: 0

Σp_{m_S}: 0

Sun November 4 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max. 73 °F		Dir. WSW		Temp. 74 °F		• the Faintest of Fogs at the Far End of the Golfcourse (I bet you thought I was going to say Fairway)		
Min. 45 °F		Vel. 7 m.p.h.		Read. 28.92 in.				
Set 45 °F		Char. Steady		Corr. 28.79 in.		0700	1300	1900
R.H. 63 %		24 hr. Mov. 96 mi.		Sea L. 30.15 in.		Clds. 10/10 cirrus	Clds.	Clds.
Ppn. Liq. 0 in.		Prev. Dir. SW		3 hr. Tend. ±0 — mb		Wx • — ovc • Dim sun • Faint [illegible] Base	Wx	Wx
Ppn. Sol. 0 in.		Snow Depth 0 in.		Observer JcK		Vis. 17 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 51$ $\quad \overline{T} = 59$ $\quad \Sigma_{PLN_L} = 0$

$T_w = 45$ $\quad MDD = 6$ $\quad \Sigma_{PLN_S} = 0$

$T_d = 39$ $\quad \Sigma_{MDD} = 34$

$CDD = 0$

$\Sigma_{CDD} = 0$

MON. NOV. 5, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 69 °F	Dir. NE	Temp. 74 °F	PARHELIA		
Min. 45 °F	Vel. 4 m.p.h.	Read. 28.72 in.			
Set 48 °F	Char. light	Corr. 28.59 in.	OVRNT LO = 48		
			0700	1300	1900
R.H. 80 %	24 hr. Mov. 80.5 mi.	Sea L. 29.94 in.	Clds. 8/10 CU, CI	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. WSW	3 hr. Tend. L -1.0 mb	Wx HAZY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Vis. 6 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 48$ $T_w = 45$ $T_d = 42$

$T_{d\,range} = 40.5$

$\bar{T} = 57$

$H_{DD} = 8$ $\Sigma H_{DD} = 42$

$\Sigma_{ppn.} = 0$

Tues. Nov. 6, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 67 °F	Dir. SW	Temp. 74 °F	RW- ~ 1830-1900 LT ~0530-0600 LT ~ 2115-2300 LT RW+ ~ 2125-2145 LT Frapa 2125 LT - wind gust to 58 mph sustained winds of 40+ with Frapa Gust to 62 mph ~ 0500 LT over
Min. 41 °F	Vel. 25 m.p.h.	Read. 28.64 in.	
Set 41 °F	Char. Gusting to 50	Corr. 28.53 in.	
R.H. 62 %	24 hr. Mov. 205.4 mi.	Sea L. 2951 in.	
Ppn. Liq. .52 in.	Prev. Dir. WSW	3 hr. Tend. /+4.7 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	

0700	1300	1900
Clds. 10/10 Sc	Clds.	Clds.
Wx OVC	Wx	Wx
Vis. 35+ mi.	Vis. mi.	Vis. mi.

Twet: 43

Twet: 38

Td: 33

T: 54

H_{DD}: 11

$\epsilon_{H_{DD}}$: 53

$\epsilon_{pm}(L)$: 0.52

Est Gust to 64 mph ~ 0015 LT

Addl Gusts of 50+ 2130 - obs

PRESRR, BINOVC at obs

CIGRGD W-NE

Wed. November 7 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 46 °F	Dir. ——	Temp. 73 °F	• PKWIND GUST 52 mph 0930 LT • L-- 0900 LT • OLNL GUSTS TO 40 mph 0700 - 1200 LT
Min. 30 °F	Vel. 0 m.p.h.	Read. 28.93 in.	
Set 30 °F	Char. Calm	Corr. 28.80 in.	

	0700	1300	1900
R.H. Ramos 81 %	Clds. 10/ cirrus /10 cirrocum	Clds.	Clds.
24 hr. Mov. 190 mi.	Wx - Dim Sun • Lt Fog E	Wx	Wx
Sea L. 30.22 in.	Vis. 25 mi.	Vis. mi.	Vis. mi.
Ppn. T in. Liq.			
Prev. Dir. W			
3 hr. Tend. -1 mb			
Ppn. 0 in. Sol.			
Snow Depth 0 in.			
Observer JCK			

$T_{avg} = 30$ $\quad \bar{T} = 38$ $\quad \Sigma PLN_L = .52''$

$T_w = —$ $\quad HDD = 27$ $\quad \Sigma PLN_S = 0''$

$T_L = 25$ $\quad \Sigma_{HDD} = 80$

$CDD = 0$

$\Sigma_{CDD} = 0$

Thurs. November 8 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 47 °F	Dir. NW	Temp. 73 °F	• L-- 1820 LT • L- 1940 LT • RW- (RW-- ~2130 LT • a few Snowflakes just before obs.		
Min. 30 °F	Vel. 5-9 m.p.h.	Read. 28.99 in.			
Set 36 °F	Char. slightly variable	Corr. 28.86 in.	0700	1300	1900
R.H. Assmann 65 %	24 hr. Mov. 145 mi.	Sea L. 30.27 in.	Clds. 10/10 Stratocum Scud	Clds.	Clds.
Ppn. Liq. .01 in.	Prev. Dir. W	3 hr. Tend. $+2\frac{1}{2}$ / mb	Wx • ovc	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JCK	Vis. 35 mi.	Vis. mi.	Vis. mi.

$T_{Roof} = 34$

$T_W = —$

$T_L = 22$

$\overline{T} = 39$

$HDD = 26$

$\Sigma_{HDD} = 106$

$CDD = 0$

$\Sigma_{CDD} = 0$

$\Sigma_{PCN_L} = .53"$

$\Sigma_{PCN_S} = T$

FRIDAY, NOVEMBER 9, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 43 °F	Dir. —	Temp. 73 °F	• sun rising over Tussey Ridge as observer on roof • few B/NOVC • SW-- C800 LT • SG - 0900 - 0930		
Min. 26 °F	Vel. 0 m.p.h.	Read. 29.06 in.			
Set 31 °F	Char. calm	Corr. 28.93 in.	0700	1300	1900
R.H. 63 %	24 hr. Mov. 51 mi.	Sea L. 30.23 in.	Clds. 10/10 altocumulus to altostratus	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. NNW	3 hr. Tend. ^ -1/4 mb	Wx cloudy	Wx	Wx
Ppn. Sol. T in.	Snow Depth — in.	Observer MSS	Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 30$

$T_{drums} = 18$

$T_{dpsy} = 19$

$T_{wet} = 26.5$

$\bar{T} = 35$

$HDD = 30$

$\Sigma HDD = 136$

$\Sigma CDD = 0$

$\Sigma PCN_L = 0.53''$

$\Sigma PCN_S = T$

Sat. Nov. 10, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 43 °F	Dir. NE	Temp. 74 °F	R- 1700 - 0700 LT R 0100 - 0620 LT (ocnl R+) IP- 1720 - 1800 LT (mixed w/ R-)
Min. 30 °F	Vel. 14 m.p.h.	Read. 28.56 in.	
Set 37 °F	Char. Steady	Corr. 28.43 in.	Hour Lo: 36 @ 0500 LT
R.H. 100 %	24 hr. Mov. 90.0 mi.	Sea L. 29.81 in.	0700: Clds. X; Wx R-F; Vis. 3/4 mi.
Ppn. Liq. 1.06 in.	Prev. Dir. SSE	3 hr. Tend. \-3.0 mb	1300: Clds.; Wx; Vis. mi.
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ESP	1900: Clds.; Wx; Vis. mi.

Tref: 38

Tdr[redacted]: 38

Td: 39

Td_{nom}: 34?

$\bar{T}$: 37

H_{bb}: 28

ΣH_{bb}: 164

Σpen(c): ~~265~~ 1.59

SUNDAY, NOVEMBER 11, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. WNW	Temp. 73 °F	• R- obs - 1000LT, 10th • L- 0730 - 1500 LT • RW- 1215 - 1245 LT • few cc. breaks NW reveal altostratus • T solid occured at obs, 11th		
Min. 36 °F	Vel. 16 m.p.h.	Read. 28.77 in.			
Set 36 °F	Char. varying 12-20	Corr. 28.64 in.	0700	1300	1900
R.H. 67 %	24 hr. Mov. 185 mi.	Sea L. 29.93 in.	Clds. 10/10 U	Clds.	Clds.
Ppn. Liq. 0.22 in.	Prev. Dir. W	3 hr. Tend. /+4 mb	Wx SW--	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MSS	Vis. 20 mi.	Vis. mi.	Vis. mi.

$T_{max} = 34$

$T_{min} = 30.5$

$T_d = 24$

$\bar{T} = 39$

HDD = 26

$\Sigma HDD = 190$

$\Sigma CDD = 0$

$\Sigma PCN_L = 2.81"$

$\Sigma PCN_S = T$

Gusty winds 40+ mph
0100 - 0600 LT, 11th

·gauge emptied
1815 LT

MON. NOV. 12, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 44 °F	Dir. WNW	Temp. 72 °F	PRECIP. SUMMARY: SW -- 0700-0900 LT RW-/SW- 1855-2130 LT IP- 2122 SW 2210 - 2240 WIND GUST TO 56 MPH 1813 LT SHUTDOWN > 40 MPH > ½ HR		
Min. 31 °F	Vel. 22 m.p.h.	Read. 28.85 in.			
Set. 31 °F	Char. GUSTS TO 28	Corr. 28.72 in.	0700	1300	1900
R.H. 51 %	24 hr. Mov. 305 mi.	Sea L. 30.12 in.	Clds. 4/10 -V ci	Clds.	Clds.
Ppn. Liq. .03 in.	Prev. Dir. W	3 hr. Tend. /+1.0 mb	Wx PTLY CLDY	Wx	Wx
Ppn. Sol. 0.1 in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 30$ $T_{2\,Rooms} = 14$

$\bar{T} = 38$

$H_{DD} = 27$ $\Sigma_{H_{DD}} = 217$

$\Sigma_{PDN.(L)} = \cancel{2.84}$ 1.84

$\Sigma_{PDN.(S)} = 0.1''$

Tue. Nov. 13, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. NW	Temp. 72 °F	SW-- ~0400 LT ~1100 LT SW- 0300-0500 LT Bunove ovhd, NE SW- Alquds		
Min. 31 °F	Vel. 14 m.p.h.	Read. 28.93 in.			
Set 33 °F	Char. Gusting to 25	Corr. 28.80 in.	0700	1300	1900
R.H. 58 %	24 hr. Mov. 278.2 mi.	Sea L. 30.23 in.	Clds. 10/10 Sc 4c	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. WNW	3 hr. Tend. /+2.5 mb	Wx SW--	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ESP	Vis. 20 mi.	Vis. mi.	Vis. mi.

[redacted]

[redacted] Tnof: 31

Tdprime: 18

$\bar{T}$: 34

H_{ag}: 31

ΣH_{ag}: 247

$\Sigma R_n(L)$: ~~2.84~~ 1.84

$\Sigma R_{cn}(s)$: 0.1

Wed. November 14 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. WNW	Temp. 73 °F	*SW-- 081 - 0800 LT		
Min. 32 °F	Vel. 6 m.p.h.	Read. 29.23 in.			
Set 33 °F	Char. Steady	Corr. 29.10 in.			
			0700	1300	1900
R.H. Ambos 64 %	24 hr. Mov. 164 mi.	Sea L. 30.53 in.	Clds. Mdm 5/10 STRATOCUM	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. WNW	3 hr. Tend. +3 / mb	Wx -Rtg cloudy	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JCK	Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{Temp\ Range} = 31$ $\bar{T} = 36$ $\Sigma P_{LW_L} = 1.84"$

$T_w = —$ $HDD = 29$ $\Sigma P_{LW_S} = 0.1"$

$T_L = 19$ $\Sigma HDD = 276$

$CDD = 0$

$\Sigma CDD = 0$

Thurs., Nov. 15, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 50 °F	Dir. –	Temp. 74 °F	• very dry morning MIN T OCRD ~ 0400 LT, 15th		
Min. 30 °F	Vel. 0 m.p.h.	Read. 29.19 in.			
Set 37 °F	Char. calm	Corr. 29.06 in.	0700	1300	1900
R.H. 62 %	24 hr. Mov. 55 mi.	Sea L. 30.36 in.	Clds. 9/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. – 0 mb	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 41$

$T_w = 36$ $\quad HDD = 25$ $\quad \Sigma CDD = 0$

$T_{d_{ramos}} = 25$ $\quad \Sigma HDD = 301$

$T_d = 29$ $\quad \Sigma PCN_L = 1.84''$

$\quad \Sigma PCN_S = 0.1''$

$F = 40$

Fri. November 16 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max. 69 °F		Dir. SW		Temp. 74 °F		• ovnt low: 43. • Some serious warm advection		
Min. 37 °F		Vel. 8-14 m.p.h.		Read. 28.98 in.				
Set 54 °F		Char. slightly variable		Corr. 28.85 in.		0700	1300	1900
R.H. 62 %		24 hr. Mov. 112 mi.		Sea L. 30.19 in.		Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.		Prev. Dir. SW		3 hr. Tend. -1 ╲ mb		Wx • mild • clear • breezy	Wx	Wx
Ppn. Sol. 0 in.		Snow Depth 0 in.		Observer JcK		Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{Room} = 57$ $\bar{T} = 53$ $\Sigma PW_L = 1.84''$

$T_w = 50$ $HDD = 12$ $\Sigma PW_S = 0.1''$

$T_l = 44$ $\Sigma_{HDD} = 313$

$CDD = 0$

$\Sigma_{CDD} = 0$

Sat. Nov. 17, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 69 °F	Dir. N	Temp. 75 °F	RW-- 2100-2300 LT RW- 2300-0100 LT occnl L- 0100-0645 LT Fropa ≈ 0100 LT RW-SW- NW & NE at obs. (Mdtl vsbl on both showers)		
Min. 43 °F	Vel. 12 m.p.h.	Read. 28.80 in.			
Set 43 °F	Char. Gusting to 20	Corr. 28.67 in.	0700	1300	1900
R.H. 70 %	24 hr. Mov. 2022 mi.	Sea L. 30.04 in.	Clds. 10/10 Sc	Clds.	Clds.
Ppn. Liq. .06 in.	Prev. Dir. SW	3 hr. Tend. /+23 mb	Wx OVC	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	Vis. 15 mi.	Vis. mi.	Vis. mi.

Troof: 44

Toer: 40

Td: 35

$\bar{T}$: 56

H_{oo}: 9

SH_{oo}: 321

δ_{pcn_c}: 190''

δ_{pcn_s}: 0.1'

SUNDAY, NOVEMBER 18, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 49 °F	Dir. N	Temp. 74 °F	* trace ocied just after obs, 17th		
Min. 28 °F	Vel. 9 m.p.h.	Read. 29.03 in.			
Set 28 °F	Char. varying 6-12	Corr. 28.90 in.			
R.H. 65 %	24 hr. Mov. 131 mi.	Sea L. 30.20 in.	0700	1300	1900
Ppn. Liq. T in.	Prev. Dir. NNW	3 hr. Tend. /+1⅓ mb	Clds. 0/10	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MSS	Wx CLR	Wx	Wx
			Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 27$

$T_{d_{ramos}} = 17$

$HDD = 26$

$\Sigma HDD = 347$

$\Sigma CDD = 0$

$T = 39$

$\Sigma PCN_L = 1.90"$

$\Sigma PCN_S = 0.1"$

Monday, November 19, 1990 — 0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 44 °F	Dir. —	Temp. 74 °F	• one or two lenticular clouds over Tussey Ridge • BRRR!		
Min. 24 °F	Vel. 0 m.p.h.	Read. 28.92 in.			
Set 24 °F	Char. Calm	Corr. 28.79 in.	0700	1300	1900
R.H. 74 %	24 hr. Mov. NA mi.	Sea L. 30.08 in.	Clds. 9/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. NA	3 hr. Tend. — -1/3 mb	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth .0 in.	Observer MSS	Vis. 30 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 22$

$T_{d\,ramos} = 15$

$\bar{T} = 34$

$HDD = 31$

$\Sigma HDD = 378$

$\Sigma CDD = 0$

$\Sigma PCN_L = 1.90"$

$\Sigma PCN_S = 0.1"$

Tues. Nov. 20, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 49 °F	Dir. —	Temp. 74 °F	Thin Haze alguds		
Min. 22 °F	Vel. Calm m.p.h.	Read. 29.02 in.	Prev night 60: @ 730 LT, 22°		
Set 32 °F	Char. Calm	Corr. 28.89 in.	Overnight 60: 32 (Still falling at obs)		
			0700	1300	1900
R.H. 69 %	24 hr. Mov. 71.3 mi.	Sea L. 30.31 in.	Clds. 0/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. /+1.6 mb	Wx CLR	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP	Vis. 15 mi.	Vis. mi.	Vis. mi.

Troof: 32

Twr: 30

Td: 2a   Tdrains: 23

$\bar{T}$: 36

Ho: 29

Σ Hos: 407

Σ pcn(c): 90

Σ pcn(s): 0.1

WED. NOV. 21, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 49 °F	Dir. WSW	Temp. 74 °F	GF PENN'S VALLEY + BASE OF TUSSEY RDG + MT. NITTANY
Min. 26 °F	Vel. 4 m.p.h.	Read. 29.12 in.	HEAVY FROST OVRNT LO OCURD ~ 0600 LT
Set 29 °F	Char. VARIABLE 2-6	Corr. 28.99 in.	
R.H. 90 %	24 hr. Mov. 32 mi.	Sea L. 30.31 in.	
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. UNSTDY +.5 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	

	0700	1300	1900
Clds.	7/10 ACCAS, ci	Clds.	Clds.
Wx	MSTLY CLDY HAZY	Wx	Wx
Vis.	3V8 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 28$ $T_{d\,max} = 24$ $T_{d\,min} = 27$

$\bar{T} = 38$

$H_{DD} = 27$ $\Sigma_{H_{DD}} = 434$

$\Sigma_{ppn.(L)} = 1.90"$

$\Sigma_{ppn.(S)} = 0.1"$

Thurs. November 22 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 49 °F	Dir. —	Temp. 75 °F	• Some thin fog along the Ridge bases. OVRNT LO = 37		
Min. 29 °F	Vel. 0 m.p.h.	Read. 28.93 in.			
Set 37 °F	Char. calm	Corr. 28.80 in.	0700	1300	1900
R.H. [illegible] 72 %	24 hr. Mov. 9 mi.	Sea L. 30.19 in.	Clds. 9/10 cirrus altocum	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. -1 ╲ mb	Wx • w/ Ridge-based fog • m cloudy	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{AM/R} = 38$

$T_w = —$

$T_d = 29$

$\overline{T} = 39$

$HDD = 26$

$\Sigma HDD = 460$

$CDD = 0$

$\Sigma CDD = 0$

$\Sigma PCN_L = 1.90"$

$\Sigma PCN_S = 0.1"$

Fri. November 23 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 51 °F	Dir. —	Temp. 74 °F	• RB ~1500 LT as off+on as R--		
Min. 36 °F	Vel. 0 m.p.h.	Read. 28.58 in.	• R- after or within an hour of midnight.		
Set 46 °F	Char. calm	Corr. 28.45 in.	ovnt low: 46		
			0700	1300	1900
R.H. 83 %	24 hr. Mov. 51 mi.	Sea L. 29.81 in.	Clds. X	Clds.	Clds.
Ppn. Liq. .33 in.	Prev. Dir. SW	3 hr. Tend. -1/2 ⌄ mb	Wx • Fog	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JcK	Vis. 1/4 mi.	Vis. mi.	Vis. mi.

$T_{Avg} = 43$ $\quad \bar{T} = 44$ $\quad \Sigma PCN_L = 2.23"$

$T_M = 41$ $\quad HDD = 21$ $\quad \Sigma PCN_S = 0.1"$

$T_L = 38$ $\quad \Sigma_{HDD} = 481$

$CDD = 0$

$\Sigma_{CDD} = 0$

SAT. NOV. 24, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. WSW	Temp. 74 °F	BINOVC SW		
Min. 37 °F	Vel. 15 m.p.h.	Read. 28.47 in.			
Set 37 °F	Char. 6 TO 24	Corr. 28.34 in.	0700	1300	1900
R.H. 50 %	24 hr. Mov. 207 mi.	Sea L. 29.70 in.	Clds. 10/10 -V	Clds.	Clds.
Ppn. T Liq. in.	Prev. Dir. WSW	3 hr. Tend. /+20 mb	Wx CLDY	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 37$ $T_w = 31$ $T_d = 20$ $T_{d\,max} = 21$

$T_{d\,min} = 17$

$\bar{T} = 47$

$H_{DD} = 18$ $\Sigma_{H_{DD}} = 499$

$\Sigma_{PPN_{(L)}} = 2.23''$

$(S) = 0.1''$

SUN. NOV 25, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 46 °F	Dir. SW	Temp. 74 °F	MIN. T OCURD ~ 0300 LT, 25+4 SW-- (FEW FLAKES) 0740-0750 LT 24+4		
Min. 34 °F	Vel. 12 m.p.h.	Read. 28.50 in.			
Set 42 °F	Char. STDY	Corr. 28.37 in.	0700	1300	1900
R.H. 67 %	24 hr. Mov. 156 mi.	Sea L. 29.72 in.	Clds. 4/10 ci	Clds.	Clds.
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. V+0 mb	Wx SCT	Wx	Wx
Ppn. T Sol. in.	Snow Depth 0 in.	Observer JHM	Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{max} = 40$ $T_w = 36$ $T_d = 30$

$T_{d\,rama} = 28$

$T_{d\,UNV} = 31$

$\bar{T} = 40$

$H_{DD} = 25$ $\Sigma_{HDD} = 524$

$\Sigma_{PPN(L)} = 2.23"$

$(S) = 0.1"$

MON NOV. 26, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 59 °F	Dir. ESE	Temp. 74 °F	OVRNT LO OCURD ~0500 LT SOME HAZE IN LOW PLACES		
Min. 34 °F	Vel. 5 m.p.h.	Read. 28.96 in.			
Set 38 °F	Char. VAR 3-8	Corr. 28.83 in.			
R.H. 70 %	24 hr. Mov. 204.4 mi.	Sea L. 30.20 in.	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. W	3 hr. Tend. /+3.0 mb	Clds. 1/10 ci	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JHM	Wx MSTLY CLR	Wx	Wx
			Vis. 25 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 38$ $T_w = 34.5$ $T_d = 29$

$T_{d\ RAMOS} = 26$

$T_{d\ UMW} = 28$

$\bar{T} = 47$

$H_{DD} = 18$ $\Sigma_{HDD} = 540$

$\Sigma_{PPN(L)} = 2.23"$

$(S) = 0.1"$

Tues. Nov. 27, 1990

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.
Max. 55 °F	Dir. S	Temp. 75 °F
Min. 38 °F	Vel. 10 m.p.h.	Read. 29.00 in.
Set 47 °F	Char. Steady	Corr. 28.86 in.
R.H. 73 %	24 hr. Mov. 34.1 mi.	Sea L. 30.24 in.
Ppn. Liq. 0 in.	Prev. Dir. SE	3 hr. Tend. - 40.0 mb
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer ESP

General Obs.

Chaotic Sky - Very Pink Sunrise
Billowy ovud
mdt Cu SW-NW
Pileus cloud capping Cu W

Ovnt Lo: 40 @ 2200 LT

	0700	1300	1900
Clds.	10/10 Cu Sc Cc Ac Ac Cs		
Wx	Haze		
Vis.	6 mi.	mi.	mi.

T_{roof}: 49

T_{wt}: 45

T_d: 41

T_d uav:
T_d manos: 37

$\bar{T}$: 47

H_{DD}: 18

ΣH_{DD}: 558

Σ_{pen} (c): 2.33"

Σ_{pen} (s): 0.1"

Wed. November 28 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 58 °F	Dir. WSW	Temp. 73 °F			
Min. 44 °F	Vel. 2-9 m.p.h.	Read. 28.84 in.			
Set 48 °F	Char. Variable	Corr. 28.71 in.	0700	1300	1900
R.H. 83 %	24 hr. Mov. 80 mi.	Sea L. 30.07 in.	Clds. 3/10 cirrus cirrocum	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. ±0 — mb	Wx • mainly clear • patchy fog	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JCK	Vis. 12 mi.	Vis. mi.	Vis. mi.

$T_{max} = 48$ $\bar{T} = 57$ $\Sigma PCN_L = 2.23"$

$T_w = 46$ $HDD = 14$ $\Sigma PCN_S = 0.1"$

$T_L = 44$ $\Sigma HDD = 572$

$CDD = 0$

$\Sigma CDD = 0$

THURSDAY, NOVEMBER 29, 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 70* °F	Dir. NW	Temp. 75 °F	* breaks old record of 65 (1927) - frequent gusts to 30mph overnight - frop ~ 1825 LT, 28th (RW--) * WARMEST TO LATE IN SEASON		
Min. 36 °F	Vel. 14 m.p.h.	Read. 29.06 in.			
Set 36 °F	Char. G22	Corr. 28.93 in.	0700	1300	1900
R.H. 61 %	24 hr. Mov. 191 mi.	Sea L. 30.23 in.	Clds. 10/10 Stratocumulus	Clds.	Clds.
Ppn. T Liq. in.	Prev. Dir. W	3 hr. Tend. / +1½ mb	Wx breezy	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth — in.	Observer MSS	Vis. 15 mi.	Vis. mi.	Vis. mi.

$T_{roof} = 33$

$T_d = 21$

$HDD = 12$

$\sum HDD = 584$ $\quad \sum CDD = 0$

$T = 53$

$\sum PCN_L = 2.23"$

$\sum PCN_S = 0.1"$

Fri. November 30 1990 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 39 °F	Dir. W	Temp. 72 °F	• A few snowflakes ~0800 LT		
Min. 31 °F	Vel. 9-18 m.p.h.	Read. 29.20 in.			
Set 31 °F	Char. Mostly variable	Corr. 29.07 in.	0700	1300	1900
R.H. Ramos 65 %	24 hr. Mov. 157 mi.	Sea L. 30.51 in.	Clds. 6/10 Sc mv	Clds.	Clds.
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +1½ mb	Wx • Mclody • windy	Wx	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JaK	Vis. 20 v 30 mi.	Vis. mi.	Vis. mi.

$T_{avg} = 28$

$T_N = —$

$T_d = 17$

$\bar{T} = 35$

$HDD = 30$

$\Sigma HDD = 604$

$CDD = 0$

$\Sigma CDD = 0$

$\Sigma PCN_w = 2.23"$

$\Sigma PCN_s = .1"$