

Fri. Feb. 2, 1990 0700 EST

General Obs.

Temp.		Wind		Barom.
Max.	46 °F	Dir.	E	Temp.
Min.	25 °F	Vel.	3 m.p.h.	Read.
Set	39 °F	Char.	ocal calm	Corr.
R. H.	80 %	24 hr. Mov.	58.7 mi	Sea L.
Ppn.	T in.	Prev. Dir.	SW	3 hr. Tend.
Ppn.	0 in.	Snow Depth	1 in.	Observer
				ESP

RW- 2200-2230 LT
 ocal L- over
 usby SW 3/4 (over golf course)
 Ramog: 44.23 - No over L0

0700	1300	1900
Clds.	Clds.	Clds.
Wx	Wx	Wx
Vis.	Vis.	Vis.

0/10 MS
 Fog
 Fog
 1/2 mi

$\sum_{i=1}^n x_i = 405$

$\sum_{i=1}^n x_i^2 = 37$

$\bar{x} = 36$

$n = 29$

$\sum_{i=1}^n x_i^3 = 63$

$\sum_{i=1}^n x_i^4 = 7$

$\sum_{i=1}^n x_i^5 = 0$

SAT. Feb 3 1990

0700 EST

Meteorological Observations
University Park, Pa.

General Obs.

Temp.		Wind	Barom.	<ul style="list-style-type: none"> • RW - 0730 - 0830 LT 1000 - 1300 LT • L - 1300 - 2000 LT (ocul L) • FROPA ~ 1500 LT • Cloud base currently below ridge top • Baromet: 23, 31 over Lake Erie 		
Max.	44 °F	Dir. NE	Temp. 76°			
Min.	33 °F	Vel. 8-12 m.p.h.	Read. 28.84			
Set	33 °F	Char. variable	Corr. 28.70			
R. H.	85 %	24 hr. Mov. 28 mi.	Sea L. 30.11	Clds.	1300	1900
Ppn.	.25 in.	Prev. Dir. NNE	3 hr. Tend. +2 /	Wx - over - gusty	Wx	Wx
Ppn.	0 in.	Snow Depth 0 in.	Observer JCK	Vis. 4 mi.	Vis.	Vis.

$$T_{\text{ref}} = 32$$

$$T_w = \text{---}$$

$$T_d = \text{---}$$

$$T_{\text{VWS}} = 32$$

$$T_{\text{down}} = 28$$

$$\bar{T} = 39$$

$$MOD = 26$$

$$\sum MOD = 89$$

$$CDD = 0$$

$$\sum CDD = 0$$

$$\sum PEN_L = .25''$$

$$\sum PEN_S = 0$$

Sun. Feb. 4, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

General Obs.

Temp.		Wind		Barom.		RW - 2030-2100 LT		
Max.	Dir.	Temp.		2130-2200 LT			R - 2300-0400 LT (approx)	
41 °F	E	75		Read.			L - 0645 - obs	
Min.	Vel.	28.54		Rams OVRNT LO = 35			Rams: 38.31 MIN T OLRD	
32 °F	3 m.p.h.	Corr.		0700			1300	
Set	Char.	28.41		1900			Clds.	
37 °F	ocal calm	Sea L.		Clds.			Clds.	
R. H.	24 hr. Mov.	29.79		Wx			Wx	
100 %	48.5 mi	3 hr. Tend.		Wx			Wx	
Ppn. Liq.	Prev. Dir.	1-30mb		L-F			Vis.	
.13 in.	SE	Observer		Vis.			Vis.	
Ppn. Sol.	Snow Depth	ESP		1 mi			Vis.	
0 in.	0 in.							

Tranf: 38
Tver: 38
Td: 28

\bar{T} : 37

H₀₀: 28

ΣH_{00} : 117

$E_{pcn(L)}$: .38"

$E_{pcn(S)}$: 0

Monday, February 5, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

General Obs.

Temp.		Wind		Barom.		General Obs.		
Max.	40 °F	Dir.	W	Temp.	74 °F	• R- 0730 - 1100 LT		
Min.	23 °F	Vel.	7 m.p.h.	Read.	29.00"	• L- 1100 ~ 1600 LT		
Set	24 °F	Char.	varying intensity	Corr.	28.87"	• visibility poorer to east due to light fog		
R. H.	78 %	24 hr. Mov.	74.4 mi.	Sea L.	30.16"	0700	1300	1900
Ppn.	0.08 in.	Prev. Dir.	NNE	3 hr. Tend.	+2mb /	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	MSS	9/10		
						Wx	Wx	Wx
						Stratus & cirrus		
						Vis.	Vis.	Vis.
						7 miles		

$$T_{\text{dunv}} = 18^{\circ}\text{F}$$

$$\bar{T} = 32^{\circ}\text{F}$$

$$T_{\text{roof}} = 22^{\circ}\text{F}$$

$$\text{HDD} = 33$$

$$\sum \text{HDD} = 150$$

$$\sum \text{PCN}_{\text{liq}} = 0.46''$$

$$\sum \text{PCN}_{\text{sol}} = 0$$

TUESDAY, FEBRUARY 6, 1990 0700 EST

Meteorology
University Park, Pa.

General Obs.

Temp.		Wind		Barom.		<ul style="list-style-type: none"> • Min occurred at 12Z yesterday • Rames overnt low: 31°F ~ 2300 LT • low lvl stratus to south & west 				
Max.	39 °F	Dir.	SW	Temp.	79°F					
Min.	24 °F	Vel.	10 m.p.h.	Read.	28.94"					
Set	37 °F	Char.	steady	Corr.	28.80°					
R. H.	50 %	24 hr. Mov.	92.7mi.	Sea L.	30.08°	0700	1300	1900		
Ppn.	0 in.	Prev. Dir.	WSW	3 hr. Tend.	+1mb ✓	Clds.	Clds.	Clds.		
Ppn.	0 in.	Snow Depth	0 in.	Observer	MSS	Wx	Wx	Wx		
						Vis.	Vis.	Vis.		
						10 miles				

$$T_{\text{rains}} = 37^{\circ}\text{F}$$

$$\bar{T} = 32^{\circ}\text{F}$$

$$T_{\text{dew}} = 20^{\circ}\text{F}$$

$$\text{HDD} = 33$$

$$\sum \text{HDD} = 183$$

$$\sum \text{PCN}_{\text{liq.}} = 0.46''$$

$$\sum \text{PCN}_{\text{sol.}} = 0''$$

WEDNESDAY, FEBRUARY 7, 1990 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	56 °F	Dir. WSW	Temp. 73°F	• light fog		
Min.	33 °F	Vel. 4 m.p.h.	Read. 28.79"			
Set	35 °F	Char. generally light	Corr. 28.66"	0700	1300	1900
R. H.	76 %	24 hr. Mov. N/A	Sea L. 29.95"	Clds. 5/10	Clds.	Clds.
Ppn.	0 in.	Prev. Dir. N/A	3 hr. Tend. -2mb L	Wx Complex to N & W	Wx	Wx
Ppn.	0 in.	Snow Depth 0 in.	Observer MSS	Vis. 5 miles	Vis.	Vis.

$$T_{\text{trans}} = 33^{\circ}\text{F}$$

$$\bar{T} = 45^{\circ}\text{F}$$

$$T_{\text{lim}} = 27^{\circ}\text{F}$$

$$\text{HDD} = 20$$

$$\sum \text{HDD} = 203$$

$$\sum \text{PCN}_e = 0.46''$$

$$\sum \text{PCN}_s = 0''$$

TUNAS. Feb 8 1990

0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	51 °F	Dir. —	Temp. 73°			
Min.	28 °F	Vel. 0 m.p.h.	Read. 28.93			
Set	28 °F	Char. calm	Corr. 28.80	Rems 49, 28 over to 28		
R. H. UNV	89 %	24 hr. Mov. 51 mi.	Sea L. 30.22	0700	1300	1900
Ppn. Liq.	0 in.	Prev. Dir. W	3 hr. Tend. + 1/2	Clds. X	Clds.	Clds.
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer JCK	Wx • Fog • calm	Wx	Wx
				Vis. 1/4 mi.	Vis.	Vis.

$$T_{\text{and Ramos}} = 29$$

$$T_w = \text{---}$$

$$T_L = \text{---}$$

$$T_{\text{and}} = 31$$

$$T_{\text{and}} = 28$$

$$\overline{T} = 40$$

$$HDD = 25$$

$$\sum HDD = 228$$

$$CDD = 0$$

$$\sum CDD = 0$$

$$\sum PCN_L = .46''$$

$$\sum PCN_S = 0$$

Fri. Feb. 9, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

General Obs.

Temp.		Wind		Barom.		General Obs.		
Max.	56 °F	Dir.	SW	Temp.	78	Cu towers SW contains all quads		
Min.	28 °F	Vel.	7 m.p.h.	Read.	28.71	Rains: 54.29 (41 last night)		
Set	41 °F	Char.	Steady	Corr.	28.57	0700	1300	1900
R. H.	86 %	24 hr. Mov.	116.7 mi	Sea L.	29.94	Clds.	Ci 4/10 Cu Sc	Clds.
Ppn.	0 in.	Prev. Dir.	SSW	3 hr. Tend.	1-25mb	Wx	SCT	Wx
Ppn.	0 in.	Snow Depth	0 in.	Observer	ESP	Vis.	15mi	Vis.

T_{roof} : 41

T_{wet} : 39.5

T_d : 37

\bar{T} : 42

H_{eq} : 23

ϵH_{eq} : 251

$\epsilon_{\text{pen}}(L)$: .46⁹

$\epsilon_{\text{pen}}(s)$: 0

SAT Feb 10 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 54 °F		Dir. WNW	Temp. 76	• RW - 0930 - 1045 LT by 1600 • R - 1330 - 1800 LT .05" • L - 1800 - 2000 LT • L - OFF + ON through night (OCHL RW, RW)		
Min. 39 °F		Vel. 8-10 m.p.h.	Read. 28.36			
Set 40 °F		Char. steady	Corr. 28.23	• Rams 52.38 0700 1300 1900		
R. H. 93 %		24 hr. Mov. 87 mi.	Sea L. 29.59	Clds. 10/10 /10 STARS	Clds.	Clds.
Ppn. Liq. .49 in.		Prev. Dir. SSW	3 hr. Tend. +1 1/2	Wx • RW - • OVC	Wx	Wx
Ppn. Sol. 0 in.		Snow Depth 0 in.	Observer JCK	Vis. 15 mi.	Vis.	Vis.

$$T_{roof} = 40$$

$$T_w = 39$$

$$T_d = 38$$

$$T_{NW} = 40$$

$$T_{down} = 34$$

$$\bar{T} = 47$$

$$MEDA = 18$$

$$\sum MEDA = 269$$

$$CDA = 0$$

$$\sum CDA = 0$$

$$\sum PEN_e = .95''$$

$$\sum PEN_e = 0$$

Sun. Feb. 11, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	41 °F	Dir.	Temp.	RW-E ~0800LT Sun Pillar at obs 8:40UC 5 Rains: 37/25		
Min.	25 °F	Vel.	Read.			
Set	27 °F	Char.	Corr.			
R. H.	40 %	24 hr. Mov.	Sea L.	Clds.	1300	1900
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.

Max. 41 °F, Min. 25 °F, Set 27 °F, R. H. 40 %, Ppn. .01 in., Ppn. Sol. 0 in.
 Wind Dir. —, Vel. Calm m.p.h., Char. Calm, 24 hr. Mov. 117.1 mi, Prev. Dir. W, Snow Depth 0 in.
 Barom. Temp. 77, Read. 28.71, Corr. 28.57, Sea L. 29.99, Observer ESP
 General Obs: RW-E ~0800LT, Sun Pillar at obs, 8:40UC 5, Rains: 37/25
 Clds. 10/40 AS MS, Wx OVC, Vis. 20 mi

Troot : 30

Tleaf : 24

Td : 8

F : 33

H₀₀ : 32

ΣH_{0i} : 301

$E_{pen}(L)$: .96*

$E_{pen}(S)$: 0

Monday, February 12, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	38 °F	Dir. WNW	Temp. 77°F	• Most snow melted on contact w/ ground • S- 1500 - 0000 LT • SW - began ~ 0630 LT • PRESRR RAMOS CURNT LO = 28		
Min.	27 °F	Vel. 6 m.p.h.	Read. 28.81"			
Set	31 °F	Char. Varying intensity	Corr. 28.67"			
R. H.	75 %	24 hr. Mov. 17.2 mi.	Sea L. 29.95 ^h	0700	1300	1900
Ppn.	Liq. 0.09 in.	Prev. Dir. SSW	3 hr. Tend. +4 mb /	Clds. • 10/10 • ovc	Clds.	Clds.
Ppn.	Sol. 0.9 in.	Snow Depth T in.	Observer MSS	Wx SW -	Wx	Wx
				Vis. 3 miles	Vis.	Vis.

$$T_{\text{roof}} = 29^{\circ}\text{F}$$

$$\bar{T} = 33^{\circ}\text{F}$$

$$T_{d_{\text{min}}} = 23^{\circ}\text{F}$$

$$T_{\text{unv}} = 30^{\circ}\text{F}$$

$$\text{HDD} = 32$$

$$\Sigma \text{HDD} = 333$$

$$\Sigma \text{PCN}_e = 1.05''$$

$$\Sigma \text{PCN}_s = 0.9''$$

Tuesday, February 13, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	40 °F	Dir.	SW	Temp.	76°	• SW - { ended ~ 0715 LT 0730 - 0845 LT		
Min.	28 °F	Vel.	14 m.p.h.	Read.	28.93"	• visibility slightly better to west		
Set	36 °F	Char.	gusty	Corr.	28.79"	ramos 3T/29		
R. H.	52 %	24 hr. Mov.	99 mi.	Sea L.	30.08"	0700	1300	1900
Ppn.	T in.	Prev. Dir.	W	3 hr. Tend.	0 -	Clds. 6/10 • alto cumulus • stratocumulus	Clds.	Clds.
Ppn.	T in.	Snow Depth	0 in.	Observer	MSS	Wx	Wx	Wx
						breezy		
						Vis.	Vis.	Vis.
						6 miles		

$$T_{\text{roof}} = 34^{\circ}\text{F}$$

$$T_{\text{psy}} = 36^{\circ}\text{F}$$

$$T_{\text{wet}} = 31^{\circ}\text{F}$$

$$T_{\text{dew}} = 20^{\circ}\text{F}$$

$$\bar{T} = 34^{\circ}\text{F}$$

$$\text{HDD} = 31$$

$$\sum \text{HDD} = 364$$

$$\sum \text{PCN}_d = 1.05''$$

$$\sum \text{PCN}_s = 0.9''$$

wed. Feb. 14, 1980

0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

Temp.		Wind		Barom.		Ob Dind *61 breaks record of 58° in 1974 • L- began ~ 0645 LT Rain: 59/48					
Max.	61 °F	Dir.	WNW	Temp.	75°F						
Min.	36 °F	Vel.	4 m.p.h.	Read.	28.87"						
Set	50 °F	Char.	light	Corr.	28.74"						
R. H.	80 %	24 hr. Mov.	182.3	Sea L.	30.0 3"	0700	1300	1900			
Clds.	10/10	Clds.		Clds.							
Ppn. Liq.	T in.	Prev. Dir.	S	3 hr. Tend.	+3 mb/	Wx	L -	Wx			
Wx		Wx		Wx							
Ppn. Sol.	0 in.	Snow Depth	0 in.	Observer	MSS	Vis.	5 miles	Vis.			
Vis.		Vis.		Vis.							

$$T_{\text{roof}} = 48^{\circ}\text{F}$$

$$\bar{T} = 49^{\circ}\text{F}$$

$$T_{\text{dry}} = 51^{\circ}\text{F}$$

$$T_{\text{wet}} = 48^{\circ}\text{F}$$

$$T_{\text{dew}} = 45^{\circ}\text{F}$$

$$\text{HDD} = 16$$

$$\Sigma \text{HDD} = 380$$

$$\Sigma \text{PCN}_s = 0.9''$$

$$\Sigma \text{PCN}_d = 1.05''$$

Tues Feb 15 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	50 °F	Dir.	NE	Temp.	72	<ul style="list-style-type: none"> • Notes Hi achieved at yester- day's set • Cloud bases below Rutgers • R - 40930 - 2230 LT • RW - SW - 1530 - 1600 LT • R - End 2R - B ~ 2300 LT • Ranges 49, 30 		
Min.	31 °F	Vel.	5 m.p.h.	Read.	28.84			
Set	33 °F	Char.	Steady	Corr.	28.71			
R. H. max	89 %	24 hr. Mov.	61 mi.	Sea L.	30.12	0700	1300	1900
Ppn. Liq.	.37 in.	Prev. Dir.	NNE	3 hr. Tend.	-1	Clds. 10/ Streams /10	Clds.	Clds.
Ppn. Sol.	T in.	Snow Depth	0 in.	Observer	JCK	Wx 00vc • at Rutgers	Wx	Wx
						Vis. 5 mi.	Vis.	Vis.

$$\begin{array}{lll} T_{\text{avg}} = 32 & \bar{F} = 41 & \sum p_{\text{avg}} = 1.42'' \\ T_w = - & \text{HDD} = 24 & \sum p_{\text{avg}} = .9'' \\ T_d = - & \sum \text{HDD} = 404 & \\ & \text{CDD} = 0 & \\ T_{\text{max}} = 33 & & \\ T_{\text{min}} = 30 & \sum \text{CDD} = 0 & \end{array}$$

Fri. Feb. 16, 1940

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	48 °F	Dir. SW	Temp. 74	Intmt R - 0700-2300 LT (local)		
Min.	33 °F	Vel. 9 m.p.h.	Read. 28.63	RW. 2100-2200 LT		
Set	46 °F	Char. Steady	Corr. 28.50	Wm Frogs / Projump ~0500 LT		
R. H.	81 %	24 hr. Mov. 93.3 mi	Sea L. 29.86	Vista & wave clouds all round		
Ppn. Liq.	.30 in.	Prev. Dir. S	3 hr. Tend. -0.046	Twr visby = 7 mi - Binove NW		
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer ESP	Rains: 48/33 (40 over to, H: ~0500 LT)		
				0700	1300	1900
				Clds. 10/10 NS ST	Clds.	Clds.
				Wx GF	Wx	Wx
				Vis. 2 mi	Vis.	Vis.

Troof: 48.5

Twat: 45

Td: 43

T: 41

Hog: 24

ΣH_{og} : 428

$\Sigma R_{n(c)}$: 172"

$\Sigma R_{n(s)}$: 0.9"

SAT. FEB 17 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 62* °F		Dir. WNW	Temp. 71	<ul style="list-style-type: none"> • T&W + 1970-1980 or (Ltg. 32 or 6g) • FAOFA 1930 or. PARS ↑ 6MB/5min • windy overnight. Sustained > 30 mph AND GUSTS > 50 mph = 0345-0415. • 0415 or 60 mph GUST • * Record. since 60 in 1921 (over) • * if may have been more 		
Min. 29 °F		Vel. 10-20 & 30 m.p.h.	Read. 28.83			
Set 29 °F		Char. • Variable • Gusty	Corr. 28.71			
R. H. HNV 55 %		24 hr. Mov. 227 mi.	Sea L. 30.13	Clds. 9/10 Stratocumulus	Clds. 1300	Clds. 1900
Ppn. #* .07 in.	Liq.	Prev. Dir. W	3 hr. Tend. +4 1/2 /	Wx • Windy • m. cloudy	Wx	Wx
Ppn. 0 in.	Sol.	Snow Depth 0 in.	Observer JCK	Vis. 25 mi.	Vis.	Vis.

$T_{\text{avg Ramos}} = 27$

$T_w = \text{---}$

$T_d = \text{---}$

$T_{\text{avg}} = 28$

$T_{\text{dew}} = 14$

$F = 46$

$HDD = 19$

$\Sigma HDD = 423$

$CDD = 0$

$\Sigma CDD = 0$

$\Sigma P_{\text{wet}} = 1.79''$

$\Sigma P_{\text{dry}} = .9''$

Confirmed F1 tornado.
M7306F
3mi ESE of Walker Rds.
Initial touchdown at
SR 45 and US 332 jct.
Extensive damage in that
area. - ESP/GSF

Sun. Feb. 18, 1940

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	34 °F	Dir.	Calm	Temp.	SW - 1300-1330 LT 1430-1445 LT		
Min.	15 °F	Vel.	Calm m.p.h.	Read.	Fet SW - 0800 LT - 1600 LT		
Set	17 °F	Char.	Calm	Corr.	Range: 33.15		
R. H.	50 %	24 hr. Mov.	150.2 mi	Sea L.	0700	1300	1900
Ppn.	T in.	Prev. Dir.	W	3 hr. Tend.	Clds.	Clds.	Clds.
					°/10		
					Wx	Wx	Wx
					-0.2 mb	CLR	
Ppn.	T in.	Snow Depth	0 in.	Observer	Vis.	Vis.	Vis.
				ESP	35 + mi		

$T_{\text{ref}}: 17.5$

$T_{\text{ref}}: 14.5$

$T_d: 2$

$\bar{T}: 25$

$N_H: 40$

$\Sigma H_M: 463$

$\Sigma p_{CA}(1): 6.79''$

$\Sigma p_{CA}(3): 0.9''$

Monday, February 19, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 41 °F		Dir. WSW	Temp. 71°F	• Cirrus clouds to SE • Sun dimly visible thru clouds • Ramos: 39/32		
Min. 17 °F		Vel. 12 m.p.h.	Read. 28.84"			
Set 40 °F		Char. Varying intensity	Corr. 28.72"			
R. H. 52 %		24 hr. Mov. 139.6 mi.	Sea L. 30.02"	Clds. 3/10	Clds.	Clds. 1900
Ppn. 0 in.	Liq.	Prev. Dir. SSW	3 hr. Tend. -0.5mb ~	Wx breezy	Wx	Wx
Ppn. 0 in.	Sol.	Snow Depth 0 in.	Observer MSS	Vis. 8 miles	Vis.	Vis.

$$T_{\text{roof}} = 39^{\circ}\text{F}$$

$$\bar{T} = 29^{\circ}\text{F}$$

$$T_{\text{ps4}} = 40^{\circ}\text{F}$$

$$T_{\text{wet}} = 34^{\circ}\text{F}$$

$$T_d = 24^{\circ}\text{F}$$

$$\text{HDD} = 36$$

$$\sum \text{HDD} = 499$$

$$\sum \text{PCN}_L = 1.79''$$

$$\sum \text{PCN}_S = 0.9''$$

TUESDAY, FEB. 20, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 48 °F		Dir. NNW	Temp. 72 °F	some haze at foot of distant ridges		
Min. 21 °F		Vel. 15 m.p.h.	Read. 29.23"			
Set 21 °F		Char. steady	Corr. 29.10"			
R. H. 52 %		24 hr. Mov. N/A	Sea L. 30.41"	0700 Clds. 1/10	1300 Clds.	1900 Clds.
Ppn. 0 in.	Liq.	Prev. Dir. N/A	3 hr. Tend. +4mb	Wx few stratus	Wx	Wx
Ppn. 0 in.	Sol.	Snow Depth 0 in.	Observer MSS	Vis. 10 miles	Vis.	Vis.

$$\bar{T} = 35^{\circ}\text{F}$$

$$T_{\text{unv}} = 20^{\circ}\text{F}$$

$$T_{\text{dunv}} = 5^{\circ}\text{F}$$

$$\text{HDD} = 30$$

$$\sum \text{HDD} = 529$$

$$\sum \text{PCN}_2 = 1.79''$$

$$\sum \text{PCN}_5 = 0.9''$$

• power shutdown 0530-0720 LT

WED., FEB. 21, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	36 °F	Dir.	Temp.			
		—	77°			
Min.	18 °F	Vel.	Read.			
		—	29.34"			
		m.p.h.				
Set	21 °F	Char.	Corr.	Ramps: 37/20		
		calm	29.20"			
				0700	1300	1900
R. H.	57 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		71.4 mi.	30.50"	CLR		
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0	in.	WNW	0—	clear		
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.
0	in.	0 in.	MSS	12 miles		

$$\bar{T} = 27^{\circ}\text{F}$$

$$T_{\text{dew}} = 7^{\circ}\text{F}$$

$$T_{\text{unv}} = 20^{\circ}\text{F}$$

$$\text{HDD} = 38$$

$$\Sigma \text{HDD} = 567$$

$$\Sigma \text{PCN}_2 = 1.79''$$

$$\Sigma \text{PCN}_3 = 0.9''$$

Winn FEB 22 1970

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.			
Max. 52 °F		Dir. W	Temp. 74°	Note: MIN WMS ACHIEVED SHORTLY AFTER SUN SETTING (07-08 LOCAL, 2:00)			
Min. 19 °F		Vel. 8 m.p.h.	Read. 28.84				
Set 41 °F		Char. Steady	Corr. 28.71				
R. H. 35 %		24 hr. Mov. 107 mi.	Sea L. 30.08	Clds. 10/10 10/10 10/10	0700 Clds.	1300 Clds.	1900 Clds.
Ppn. 0	Liq. in.	Prev. Dir. SSW	3 hr. Tend. -2	Wx - m. cloudy - m. 140000	Wx	Wx	Wx
Ppn. 0	Sol. in.	Snow Depth 0 in.	Observer JFK	Vis. 25 mi.	Vis.	Vis.	Vis.

$$T_{\text{roof}} = 43$$

$$T_w = 34$$

$$T_d = 17$$

$$\bar{T} = 36$$

$$n_{\text{DD}} = 29$$

$$\sum n_{\text{DD}} = 596$$

$$c_{\text{DD}} = 0$$

$$\sum c_{\text{DD}} = 0$$

$$\sum \rho_{\text{on}_L} = 1.79''$$

$$\sum \rho_{\text{on}_s} = .9''$$

Fri. Feb. 23, 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	59 °F	Dir. SW	Temp. 76	RW - 1000-1030 LT 1430-1515 LT (local RW)		
Min.	41 °F	Vel. 10 m.p.h.	Read. 28.43	Wn Frq: 1900 LT Cd Frq: 0500 LT		
Set	58 °F	Char. Steady	Corr. 28.30	Hir cld: VSB Rums: 58,39 Hi observed: 0300 Lo observed: 0700 LT, 22		
R. H.	51 %	24 hr. Mov. 186.5	Sea L. 28.61	Clds. 10 AS 10 CS	Clds. 1300	Clds. 1900
Ppn. Liq.	.07 in.	Prev. Dir. SW	3 hr. Tend. A+2.2mb	Wx OVC	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer ESP	Vis. 25 mi	Vis.	Vis.

T_{roof}: 55
T_{wall}: 46.5

T_d: 37

F: 50

W₀: 15

Σk₂₀: 611

ε_{pa(4)}: ~~0.000~~ 1.86

ε_{pa(5)}: 0.9"

February 24, 1990

SAT.

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	58 °F	Dir. N-NW	Temp. 76°	R - began 1430 LT ended 2315 LT Intermittent S-IP - began 2315 LT ending 0040 LT		
Min.	28 °F	Vel. 3 m.p.h.	Read. 28.37 in			
Set	29 °F	Char. Light	Corr. 28.24			
R. H.	58 %	24 hr. Mov. 157.6 mi	Sea L. 21.63	0700 Clds. 10/10	1300 Clds.	1900 Clds.
Ppn. Liq.	.08 in.	Prev. Dir. W-SW	3 hr. Tend. +1.5 mb	Wx BINOVLC	Wx	Wx
Ppn. Sol.	0.1 in.	Snow Depth T in.	Observer JEK	Vis. 25 mi	Vis.	Vis.

$$\bar{T} = 43^{\circ}F$$

$$T_{dew} = 16^{\circ}F$$

$$DD = 22^{\circ}F$$

$$\Sigma H_{2O} : 633$$

$$\Sigma Pen(w) : 1.94$$

$$\Sigma P_{c,d}(s) : ~~1.0~~$$

1.0

Son February 25, 1970

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	32 °F	Dir.	W-NW	Temp.	75°F	S- began 1100LT S Intermittent throughout period BS 1800LT began S- end 1930LT Gust of 57mph 1950LT SWBS began 0645LT		
Min.	12 °F	Vel.	22 m.p.h.	Read.	28.97			
Set	12 °F	Char.	Moderate Gusty	Corr.	28.84			
R. H.	55 %	24 hr. Mov.	224.1	Sea L.	30.32	0700	1300	1900
Ppn.	.12 in.	Prev. Dir.	SW-W	3 hr. Tend.	+6.5 /	Clds.	X	Clds.
Ppn.	1.5 in.	Snow Depth	1 in.	Observer	JFK	Wx	SWBS	Wx
						Vis.	2 mi	Vis.

$$\bar{T} = 22^{\circ}\text{F}$$

$$T_d(\text{vuv}) = -1^{\circ}\text{F}$$

$$DD = 43^{\circ}\text{F}$$

$$\Sigma H_{00} : 655$$

$$\Sigma P_{en}(L) : 2.06$$

$$\Sigma P_{en}(S) : 2.5$$

Mon Feb 26 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	17 °F	Dir.	NNE	Temp.	77	• Yesterday obs snow shower ended ~ 0800 LT. • Another 2 or 3 at unknown times yesterday morning. - Blowing snow much - yesterday - Rains: 14, 0		
Min.	1 °F	Vel.	3 m.p.h.	Read.	29.50			
Set	3 °F	Char.	Light	Corr.	29.36			
R. H. Max	83 %	24 hr. Mov.	183 mi.	Sea L.	30.91			
Ppn. Liq.	.01 in.	Prev. Dir.	W	3 hr. Tend.	+1	0700	1300	1900
Ppn. Sol.	.1 in.	Snow Depth	1 in.	Observer	Jck	Clds.	Clds.	Clds.
						0/10		
						Wx	Wx	Wx
						- clear - cold		
						Vis.	Vis.	Vis.
						35 mi.		

$$\begin{array}{lll} T_{\text{net Ramos}} = 0 & \bar{T} = 9 & \sum PCN_v = 2.07'' \\ T_w = \text{---} & HDD = 56 & \sum PCN_s = 2.6'' \\ T_d = \text{---} & \sum HDD = 711 & \\ & CDD = 0 & \\ T_{\text{net}} = 0 & \sum CDD = 0 & \\ T_{\text{down}} = -4 & & \end{array}$$

TUES FEB 27 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	24 °F	Dir.	SW	Temp.	78°	• DUNT LO N 20 • THE BRIEFEST of FLAKE-PAIRS ABOUT 0500 LT.		
Min.	3 °F	Vel.	8 m.p.h.	Read.	29.16			
Set	22 °F	Char.	STEADY	Corr.	29.02			
R. H. UNV	47 %	24 hr. Mov.	66 mi.	Sea L.	30.48	RANGE: 22.0 0700 1300 1900		
Ppn.	T in.	Prev. Dir.	SSW	3 hr. Tend.	-2 \	Clds.	Clds.	Clds.
Ppn.	T in.	Snow Depth	T in.	Observer	JKK	Wx	Wx	Wx
				Vis.	20 mi.	Vis.	Vis.	Vis.

$T_{\text{reqd Amos}} = 20$	$\bar{T} = 14$	$\sum Pen_L = 2.07''$
$T_w = \text{—}$	$HDD = 51$	$\sum Pen_s = 2.6$
$T_d = \text{—}$	$\sum HDD = 762$	
	$CDD = 0$	
$T_{\text{reqd}} = 22$	$\sum CDD = 0$	
$T_{\text{down}} = 5$		

Wed. FEB 29 1990

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	37 °F	Dir. NW	Temp. 77°	Sand 5- 0930-1230LT • OCN. FUNK AFTER THAT • N.E. H. OCCURRED AROUND midnight. • Range: 36, 20		
Min.	22 °F	Vel. 4 m.p.h.	Read. 29.10			
Set	27 °F	Char. steady	Corr. 28.96			
R. H.	VNV 57 %	24 hr. Mov. 138 mi.	Sea L. 30.40			
Ppn.	Liq. .03 in.	Prev. Dir. WSW	3 hr. Tend. +2 ✓	Wx M. cloudy	Wx	Wx
Ppn.	Sol. .8 in.	Snow Depth 1 in.	Observer Jck	Vis. 20 mi.	Vis.	Vis.

$$T_{\text{avg Remos}} = 25$$

$$T_w = \text{---}$$

$$T_d = \text{---}$$

$$T_{\text{un}} = 25$$

$$T_{\text{unv}} = 12$$

$$\bar{F} = 30$$

$$HDD = 35$$

$$\sum HDD = 797$$

$$c_{DD} = 0$$

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

$$\sum PCN = 1480''$$

$$2.10$$

$$\sum PCN_s = 3.4$$