

APRIL 1, 1976

0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

Temp.		Wind		Barom.		occul Bimont. at AT 0830 EST 0730 EST - mostly CLEAR! (0:15 RW-SW - occul Bimont) 6:01 PM EST - wind gusts 45 kt. for given gusts about 35		
Max.	48 °F	Dir.	WSW	Temp.	65			
Min.	37 °F	Vel.	9 m.p.h.	Read.	28.611			
Set	38 °F	Char.	STEADY	Corr.	28.503			
R. H.	93 %	24 hr. Mov.	118	Sea L.	29.874	0700	1300	1900
Ppn. Liq.	.61 in.	Prev. Dir.	SE-SW	3 hr. Tend.	41.2ab / 41.2ab	Clds.	Clds.	Clds.
Ppn. Sol.	— in.	Snow Depth	— in.	Observer	P.K.	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						8 miles		

$T_{SET} = 38.4^{\circ}F$

$T_{WB} = 37.3^{\circ}F$

$T_{DR} = 36.4^{\circ}F$

R.H. = 93%

PEAK WIND OF 20 KTS. AT 12:26 G.M. ON 4/1/76

APRIL 2, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 52 °F		Dir. SSW	Temp. 66	SMALL BIRNWE AT OBS. TIME SNOW COVER ON RIDGES		
Min. 33 °F		Vel. 8 m.p.h.	Read. 28.589			
Set 34 °F		Char. STEADY	Corr. 28.479			
				0700	1300	1900
R. H. 87 %		24 hr. Mov. 178	Sea L. 29.860	Clds. 10/10 StCu.	Clds.	Clds.
Ppn. .09 in.	Liq.	Prev. Dir. S	3 hr. Tend. +1.1 ✓	Wx OCNL SW-	Wx	Wx
Ppn. .1 in.	Sol.	Snow Depth — in.	Observer P.S.	Vis. VAR 8-15	Vis.	Vis.

$T_{\text{ET}} = 34.0$

$T_W = 32.6$

$T_D = 30.5$

$RH = 87\%$

PK FWT 35 KTS AT 1802 EST

April 3, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	46 °F	Dir. W	Temp. 66 °F	Clouds developed rapidly after sunrise RW - 11:05 AM TB 1:28		
Min.	33 °F	Vel. 17 m.p.h.	Read. 28.810			
Set	35 °F	Char. Steady	Corr. 28.699			
R. H.	71 %	24 hr. Mov. 288	Sea L. 30.090	0700	1300	1900
Ppn.	Liq. .01 in.	Prev. Dir. W	3 hr. Tend. t.s ✓	Clds. Strato 8/10 Cu	Clds.	Clds.
Ppn.	Sol. — in.	Snow Depth — in.	Observer Chez	Wx Haze Cloudy	Wx	Wx
				Vis. 12 mi	Vis.	Vis.

Max = 45.7°

Min = 43.0°

Set = 35.1°

$T_w = 32.5^\circ$

~~$T_d = 31.0^\circ$~~ ~~30.5°~~

$T_d = 27.4^\circ F$

RH = 71 %

Peak gust

of 48 kts

at 6:16 P.M.

April 2

Meteorological Observatory
University Park, Pa.

4 Apr. '76

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max.	61 °F	Dir. NNE	Temp. 66°F	LTGICCC TUNDR W-SW 11:30 AM		
Min.	35.4 °F	Vel. 8 m.p.h.	Read. 28.519"	R-- 110013 0812:39		
Set	43 °F	Char. Unsteady	Corr. 28.410"	0700	1300	1900
R. H. (see back)	84 %	24 hr. Mov. 34 <small>from 31% to 37%</small>	Sea L. 29.756"	Clds. OVCST	Clds.	Clds.
Ppn. Liq.	0.01 in.	Prev. Dir. Variable to NE <small>from 31% to 37%</small>	3 hr. Tend. 0.0 \wedge	Wx some fog in valleys	Wx	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer TS	Vis. about 10 miles	Vis.	Vis.

Act, Max $\rightarrow 60.5^{\circ}\text{F}$
Act, Min $\rightarrow 35.5^{\circ}\text{F}$

AT = 1°F

7pm $\Rightarrow 53^{\circ}$
~~25%~~

7am $\Rightarrow 42^{\circ}$
Ave $\Rightarrow 48^{\circ}$

R.H. Dewbell $\approx 69\%$
Psych $\approx 84\%$

Wind Direction

chart on at 4pm 3AP%
Wind speed about 350 km \uparrow
 \downarrow

MAX GUST $\rightarrow 14\text{ kts}$ at 657 AM 4AP%
 \uparrow

TS

APRIL 5, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	44 °F	Dir.	W	Temp.	70		
Min.	30 °F	Vel.	9 m.p.h.	Read.	28.758		
Set	32 °F	Char.	STEADY	Corr.	28.637		
R. H.	58 %	24 hr. Mov.	172	Sea L.	0700	1300	1900
Ppn.	.04 in.	Prev. Dir.	NNW	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	.1 in.	Snow Depth	— in.	Observer	Wx	Wx	Wx
					Vis.	Vis.	Vis.
					50+ mi		

$$T_{set} = 31.8$$

$$T_w = 27.5$$

$$T_D = 18.9$$

$$RH = 58\%$$

PK Guss 23 KTS @ 1205 ET

APRIL 6, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	55 °F	Dir. SW	Temp. 68	RW- 1802 EST		
Min.	32 °F	Vel. 6 m.p.h.	Read. 28.708			
Set	40 °F	Char. STEADY	Corr. 28.592			
R. H.	68 %	24 hr. Mov. 170	Sea L. 29.960	0700 Clds. 8/10 Acc. Sun	1300 Clds.	1900 Clds.
Ppn.	Liq. - in.	Prev. Dir. W-SW	3 hr. Tend. +1.3mb/	Wx	Wx	Wx
Ppn.	Sol. - in.	Snow Depth - in.	Observer P.K.	Vis. 15 miles	Vis.	Vis.

$T_{SET} = 46.0^{\circ}F$

$T_{WB} = 38.2^{\circ}F$

$T_{DR} = 30.3^{\circ}F$

$RH = 68\%$

PEAK WIND OF 26 KTS. AT 3:58 P.M. EST ON 4/5/76

April 7 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	56 °F	Dir. NW-NE	Temp. 70	NOT A CLOUD IN SIGHT 0700 EST		
Min.	38 °F	Vel. 3 m.p.h.	Read. 28.894			
Set	41 °F	Char. LITE	Corr. 28.771			
R. H.	57 %	24 hr. Mov. 0.14	Sea L. 30.051	0700 Clds. CLEAR AS A BELL	1300 Clds.	1900 Clds.
Ppn.	Liq. .01 in.	Prev. Dir. SW-W	3 hr. Tend. +2.0mb	Wx	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer TR	Vis. 35+ miles	Vis.	Vis.

PEAK WIND of 19 KTS AT 10:20 A.M. on 7/6/76

APRIL 8, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 59 °F		Dir. NE	Temp. 70	FEW strCu		
Min. 31 °F		Vel. 2 m.p.h.	Read. 28.812			
Set 31 °F		Char. LIGHT	Corr. 28.694			
R. H. 76 %		24 hr. Mov. 99	Sea L. 30.101	0700 Clds. CLEAR	1300 Clds.	1900 Clds.
Ppn. — in.	Liq.	Prev. Dir. NNW	3 hr. Tend. + 1.2 ✓	Wx	Wx	Wx
Rain — in.	Sol.	Snow Depth — in.	Observer P.S.	Vis. 25 mi.	Vis.	Vis.

$T_{REF} = 31.4$

$T_W = 28.5$

$T_D = 24.5$

$RH = 76\%$

AK GUST = 17 KTS @ 1241 EST

APRIL 9, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	49 °F	Dir. NW	Temp. 72	SOME FROST ON ROOFS + CAR'S EARLY 6:10 A.M. (+4° F) at "Barren's" (Drove back)		
Min.	26 °F	Vel. 3 m.p.h.	Read. 29.038			
Set	30 °F	Char. light	Corr. 28.911			
R. H.	64 %	24 hr. Mov. 120	Sea L. 30.333	0700 Clds. CLEAR	1300 Clds.	1900 Clds.
Ppn.	Liq. — in.	Prev. Dir. NW-N	3 hr. Tend. +1.8mb/	Wx	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer P.K.	Vis. 35+ miles	Vis.	Vis.

$T_{\text{air}} = 30.9^{\circ}\text{F}$

$T_{\text{w.0.}} = 26.4^{\circ}\text{F (ice)}$

$T_{\text{D.P.}} = 19.6^{\circ}\text{F}$

$\text{R.H.} = 64\%$

PEAK WIND OF 18 KTS. AT $\left\{ \begin{array}{l} 2:30 \\ 2:53 \\ 3:52 \end{array} \right.$ P.M. OF 4/9/76

April 10, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	49 °F	Dir. SW	Temp. 67			
Min.	30 °F	Vel. 3 m.p.h.	Read. 28.936			
Set	33 °F	Char. Lite	Corr. 28.821	0700	1300	1900
R. H.	54 %	24 hr. Mov. 176	Sea L. 30.221	Clds. ^{7/10} Stratus Alto Cu	Clds.	Clds.
Ppn.	Liq. - in.	Prev. Dir. N	3 hr. Tend. +0.5 ✓	Wx Fair	Wx	Wx
Ppn.	Sol. - in.	Snow Depth - in.	Observer Chez	Vis. 20 mi	Vis.	Vis.

$T_{max} = 29.0$

$T_{min} = 30$

$T_{set} = 33.4$

$T_d = 18.2$

R.H. = 54%

Peak Gust

of 42 kts at

10:47 A.M.

April 9, 1976

Note: Two missing - could not find bottle of
distilled water so R.H is from DewCell

11 April '76

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 62 °F		Dir. SW	Temp. 65 °F	0733 EST → wind SW 23.5 mph 0747 → 36 mph 0645 → R-		
Min. 33 °F		Vel. 7 m.p.h.	Read. 28.576"			
Set 45 °F		Char. Unsteady	Corr. 28.469"	0700	1300	1900
R. H. (Dew cal) 70 %		24 hr. Mov. 2.02	Sea. E. 4 29.809"	Clds. overcast	Clds.	Clds.
Ppn. Liq. T in.		Prev. Dir. SW (240)	3 hr. Tend. about 0.2 in. V	Wx R	Wx	Wx
Ppn. Sol. — in.		Snow Depth — in.	Observer TS	Vis. 7 miles	Vis.	Vis.

$T_{Max} - T_{set} = \Delta T \approx 19^\circ$

Pk gust \rightarrow 28 kts at 50%
100%

Note! : W.S. chart was
DISCONTINUED

From Dewcell chart;
7PM $T \rightarrow 56^\circ$

7AM $T \rightarrow 45^\circ$
 $\frac{51^\circ \leftarrow T}{2101}$

101

APRIL 12, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	47 °F	Dir.	VAR NW→W	Temp.				
Min.	22 °F	Vel.	6 m.p.h.	Read.				72
Set	25 °F	Char.	UNSTEADY	Corr.				29.122
R. H.	57 %	24 hr. Mov.	264	Sea L.	30437	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	VAR. NW→SW	3 hr. Tend.	+1.8 ✓	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	— in.	Observer	P.S.	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						35 ⁺ mi		

$$T_{surf} = 25.0$$

$$T_w = 21.3$$

$$T_D = 11.9$$

$$RH = 57\%$$

Pk Gust = 31 KTS AT ¹⁵¹²~~1530~~ EST

APRIL 13, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	48 °F	Dir.	WSW	Temp.	68	MOST cirrus from CONTRAILS		
Min.	25 °F	Vel.	6 gust 17 m.p.h.	Read.	29.028			
Set	37 °F	Char.	STEADY	Corr.	28.911			
R. H.	47 %	24 hr. Mov.	167	Sea L.	30.322	0700	1300	1900
						Clds. <i>Thin</i> 9/10 CC	Clds.	Clds.
Ppn.	Ld.	Prev. Dir.	3 hr. Tend.	Wx				
-	in.	NW-SW	+ 8mb/					
Ppn.	Sol.	Snow Depth	Observer	Vis.				
-	in.	-	P.K.	20 miles				

TSET = 32.1°F

TWB = 25.5°F

TD.P = 18.4°F

R.H. = 47%

PEAK WIND OF 23 KTS. AT ^{1:58}_{2:58} P.M. ON 4/12/76

April 14, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	63°F	Dir.	S-SW	Temp.	73	0700 EST - Hazy Horizons Nice of Rise.		
Min.	37°F	Vel.	3 m.p.h.	Read.	28.992			
Set	42°F	Char.	LITE	Corr.	28.823			
R. H.	41 %	24 hr. Mov.	308	Sea L.	30.183	0700	1300	1900
Ppn.	— in.	Prev. Dir.	NW-SW	3 hr. Tend.	+1.8 mb	Clds.	Clds.	Clds.
						Clear		
Ppn.	— in.	Snow Depth	— in.	Observer	TR	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						25 MI.		

PK WIND

22 KTS

AT 108 PMEST

423 PMEST

13 APRIL
76

$T_D = 20$

$T_{SET} = 42$

$T_{MIN} = 37$

$T_{MAX} = 63$

APRIL 15, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	72 °F	Dir.	SSW	Temp.	72			
Min.	42 °F	Vel.	5 m.p.h.	Read.	28.952			
Set	50 °F	Char.	STEADY	Corr.	28.825			
R. H.	45 %	24 hr. Mov.	90	Sea L.	30.180	0700	1300	1900
						Clds.	Clds.	Clds.
Ppn.	— in.	Prev. Dir.	SW-S	3 hr. Tend.	+0.3mb ↗	Wx	Wx	Wx
Ppn.	— in.	Snow Depth	— in.	Observer	P.K.	Vis.	Vis.	Vis.
						15 miles		

10-10-76

$T_{SET} = 50.4^{\circ}F$

$T_{WB} = 31.7^{\circ}F$ (water)

$T_{DP} = 30.0^{\circ}F$

R.H. = 46%

PEAK WINDS OF 13 KTS AT 1:55
1:57 P.M. EST ON 4/14/76

APRIL 16, 1976 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 81 °F		Dir. SW	Temp. 73	BKNVC at obs. time SUN DIMLY VISIBLE		
Min. 50 °F		Vel. 6 m.p.h.	Read. 28.910			
Set 69 °F		Char. LIGHT STEADY	Corr. 28.782			
R. H. 57 %		24 hr. Mov. 137	Sea L. 30.092	0700 Clds. 19% thin Ci ACU	1300 Clds.	1900 Clds.
Ppn. — in.	Liq. — in.	Prev. Dir. S	3 hr. Tend. +1.6/	Wx PATCHY HAZE	Wx	Wx
Ppn. — in.	Sol. — in.	Snow Depth — in.	Observer P.S.	Vis. 10 mi.	Vis.	Vis.

$T_{set} = 69.0$

$T_w = 59.5$

$T_0 = 53.1$

$RH = 57\%$

PK GUST 22 KES at 1430 EST

APRIL 17, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	83 °F	Dir.	SSW	Temp.	80°	SUNNY + PLEASANT		
Min.	60 °F	Vel.	3 m.p.h.	Read.	29.139			
Set	62 °F	Char.	LITE & STDY.	Corr.	28.991			
R. H.	72 %	24 hr. Mov.	272	Sea L.	30.306	0700	1300	1900
						Clds.	Clds.	Clds.
Ppn.	0.0 in.	Prev. Dir.	SSW	3 hr. Tend.	+2 mb/	Wx	FAIR	Wx
Ppn.	0.0 in.	Sol.	0.0 in.	Snow Depth	0.0 in.	Observer	R.M.	Vis.
						Vis.	10mi	Vis.

$T_{max} = 85^\circ$

$T_{min} = 60^\circ$

$T_{SL} = 62.0^\circ$

$T_w = 56.5^\circ$

$T_D = 52.7^\circ$

April 18, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	90°F	Dir.	E-NE	Temp.	76°F	Hazy Sunshine 7:00 a.m. Ridges Partially Obscured by Fog and Haze TEMP REACHED 40° AT 11:20 AM NEW RECORD HIGH		
Min.	60°F	Vel.	2 m.p.h.	Read.	29.081			
Set	62°F	Char.	Very Light	Corr.	28.943			
R. H.	75%	24 hr. Mov.	74	Sea L.	30.270	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	S-SW	3 hr. Tend.	+1.2 ✓	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	- in.	Observer	Chez	Wx	Wx	Wx
						Wx	Wx	Wx
						Vis.	Vis.	Vis.
						4 mi		

$$T_{set} = 62^{\circ}$$

$$T_w = 55.7^{\circ}$$

$$T_d = 51.2^{\circ}$$

$$R.H. = 75\%$$

Peak Gust of 38 kts at 12:01 P.M. April 17

APRIL 19 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 94 * °F	Dir. SW	Temp. 81	*NEW RECORD HIGH FOR MONTH OF APRIL			
Min. 62 °F	Vel. 4 m.p.h.	Read. 28.951				
Set 66 °F	Char. LIGHT	Corr. 28.801				
R. H. 55 %	24 hr. Mov. 92	Sea L. 30.111	0700 Clds. CLEAR	1300 Clds.	1900 Clds.	
Ppn. — in.	Prev. Dir. S	3 hr. Tend. 4.35	Wx HAZE	Wx	Wx	
Ppn. — in.	Snow Depth — in.	Observer RS	Vis. 10 mi	Vis.	Vis.	

TSET = 66.3

TW = 56.5

To = 49.6

RA = 55%

AK GOST ~~PR~~ 15 KIS @ 1423EJ

APRIL 20, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max. 88 °F		Dir. VAR.SW-NE		Temp. 83			
Min. 58 °F		Vel. 2 m.p.h.		Read. 28.830			
Set 62 °F		Char. NEAR CALM		Corr. 28.675			
R. H. 65 %		24 hr. Mov. 107		Sea L. 29.989	0700 Clds. 8/10 Thin Ci	1300 Clds.	1900 Clds.
Ppn. —	Liq. in.	Prev. Dir. WSW		3 hr. Tend. +0.2 ✓	Wx PATCHY HAZE	Wx	Wx
Ppn. —	Sol. in.	Snow Depth — in.		Observer P.S.	Vis. 10 mi	Vis.	Vis.

$$T_{set} = 61.7$$

$$T_w = 54.9$$

$$T_0 = 49.9$$

$$RH = 65\%$$

P.6Wk 32 KTT @ 1004 BT

21 April 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. * 90 °F	Dir. NE	Temp. 78 °	* NEW RECORD BROKE OLD RECORD OF 83 SET IN 1954			
Min. 58 °F	Vel. 2 m.p.h.	Read. 28.802				
Set 61 °F	Char. LITE	Corr. 28.668	0700	1300	1900	
R. H. 85 %	24 hr. Mov. 133	Sea L. 29.991	Clds. 6/10	Clds.	Clds.	
Ppn. Lq. — in.	Prev. Dir. W-SW N-NE	3 hr. Tend. +0.3mb	Wx HABE	Wx	Wx	
Ppn. Sol. — in.	Snow Depth — in.	Observer TR	Vis. 10 miles	Vis.	Vis.	

$T_{MAX} = 90$

$T_{MIN} = 58$

$T_{SET} = 61$

$T_w = 56.5$

$T_D = 57$

PK Gust 17 KTS
AT 947 PM 20 APR 76.

APRIL 22, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. * 87 °F	Dir. SSW	Temp. 74	RIDGES OBSCD BY CLUD SW-NW			
Min. 57 °F	Vel. 4 m.p.h.	Read. 28.668	* NEW RECORD High FAMEL RECD 85 SET in 1902			
Set 58 °F	Char. STEADY	Corr. 28.537	TB 5:10 AM. TRE 6:28 AM TB RB 5:12 AM. TRE 6:28 AM used at 5:20-6:10 AM			
R. H. 78 %	24 hr. Mov. 128	Sea L. 29.843	Clds. 0700 9/10 Scuc Acu Cu	Clds. 1300	Clds. 1900	
Ppn. Liq. .35 in.	Prev. Dir. SE-S	3 hr. Tend. -1.3 mb	Wx	Wx	Wx	
Ppn. Sol. — in.	Snow Depth — in.	Observer P.K.	Vis. 8 miles	Vis.	Vis.	

T_{SET} = 58.1°F

T_{WB} = 55.4°F

T_{D.P.} = 51.3°F

R.H. = 78%

PEAK WIND OF 25 KTS. AT 12:28 P.M. ON 4/21/76
2:16 P.M.

APRIL 23, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	69 °F	Dir. WSW	Temp. 74	Ci MOSTLY NORTH AND EAST RW-- ABOUT 12 A.M. ON 4/23		
Min.	55 °F	Vel. 6 gust 12 m.p.h.	Read. 28.810			
Set	55 °F	Char. light	Corr. 28.678			
R. H.	51 %	24 hr. Mov. 180	Sea L. 30.008	0700 Clds. 3/10 Ci	1300 Clds.	1900 Clds.
Ppn.	Liq. 7 in.	Prev. Dir. SSW-SW	3 hr. Tend. +2.7mb/	Wx	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer P.K.	Vis. 35 miles	Vis.	Vis.

$T_{SET} = 55.3^{\circ}F$

$T_{W.D.} = 47.4^{\circ}F$

$T_{D.P.} = 37.2^{\circ}F$

R.H. = 51%

PEAK WIND OF 31 KTS AT 10:00 A.M. ON 4/22/76

April 24, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 70 °F		Dir. E-NE	Temp. 72 °F	7:45 A.m. Few BKNVC SUN BRIEFLY VISIBLE STILL R-		
Min. 44 °F		Vel. 3 m.p.h.	Read. 28.890	7:57 A.m. Thunder heard (once) 8:05 NE 8:15 A.m. Thunderstorm N moving E-SE Clearing SW Thunder heard occasionally		
Set 45 °F		Char. Light & Steady	Corr. 28.764	0700	1300	1900
R. H. 82 %		24 hr. Mov. 220	Sea L. 30.112	Clds. 10/10 Stratus StratoCu	Clds.	Clds.
Ppn. .02 in.	Liq.	Prev. Dir. W	3 hr. Tend. +2 ^{Pressure} _{has trend}	Wx R-	Wx	Wx
Ppn. — in.	Sol. — in.	Snow Depth — in.	Observer. Chez	Vis. 9	Vis.	Vis.

$T_{set} = 44.8^{\circ}F$
 $T_{max} = 69.6^{\circ}F$
 $T_{min} = 43.8^{\circ}F$
 $T_w = 42.2^{\circ}F$
 $T_d = 39.4^{\circ}F$
R.H. = 82 %

Peak gust of 40kts at 7:32 A.M.
on April 23, 1976

APRIL 25, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	75 °F	Dir. NE	Temp. 70			
Min.	44 °F	Vel. 3 m.p.h.	Read. 28.58			
Set	49 °F	Char. STEADY	Corr. 28.46			
R. H.	88 %	24 hr. Mov. 106	Sea L. 29.69	0700 Clds. 5/10 SC 10/10 AS	1300 Clds.	1900 Clds.
Ppn.	Liq. .03 in.	Prev. Dir. SE-NE	3 hr. Tend. -3	Wx Fog	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer JB	Vis. 6	Vis.	Vis.

Temp 49
DP 47

NO GUSTS
ABOVE 15 KTS



APRIL 26, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 58 °F		Dir. WSW	Temp. 72	WLLA NE-SE AT OBS. TIME OCCAS SW -- EARLIER IN A.M. SW - , VFR 2 1/2 miles S:ISRA E-AT. VIS LOWER TO N-W		
Min. 38 °F		Vel. 12 622 m.p.h.	Read. 28.461			
Set 38 °F		Char. STEADY	Corr. 28.347			
R. H. 84 %		24 hr. Mov. 126	Sea L. 29.691	0700 Clds. FROM 19/10 to	1300 Clds.	1900 Clds.
Ppn. Liq. .37 in.		Prev. Dir. ESE-SW	3 hr. Tend. +3.2mb/	Wx OCCAS SHOWERS	Wx	Wx
Ppn. Sol. — in.		Snow Depth — in.	Observer P.K.	Vis. 3.5 miles	Vis.	Vis.

$T_{\text{SAT}} = 32.3^{\circ}\text{F}$

$T_{\text{W.D}} = 35.9^{\circ}\text{F}$

$T_{\text{D.R}} = 33.8^{\circ}\text{F}$

$\text{R.H.} = 89\%$

PK WIND OF 22 KTS AT 2:46 A.M. on 9/26/76

APRIL 27, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	41 °F	Dir. WSW	Temp. 70	MIRGA S-SW OVER RIDGE RAPID CLEARING AFTER 7A.M. OBS.		
Min.	31 °F	Vel. 13 620 m.p.h.	Read. 28.839			
Set	34 °F	Char. STEADY	Corr. 28.717			
R. H.	68 %	24 hr. Mov. 204	Sea L. 30.123	0700 Clds. 9/10 Sea	1300 Clds.	1900 Clds.
Ppn. Liq.	.01 in.	Prev. Dir. WSW	3 hr. Tend. +1.2mb/	Wx	Wx	Wx
Ppn. Sol.	T in.	Snow Depth — in.	Observer P.K.	Vis. 3Smiles	Vis.	Vis.

T_{set} = 33.8°F

T_{avg} = 28.2°F

~~T_{min}~~ = 24.6°F

~~Hum.~~ = 68%

PEAK WIND OF ~~25~~ KTS. AT :

9:50 A.M.

12:16 P.M.

2:59 P.M.

6:35 P.M.

E.D.T.

ON

4/26/76

28 APRIL 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	43 °F	Dir.	W	Temp.	68	BREAKS IN CLOUDS 7:00 EST CLOUDS STRAITS SOUTH. 730. C1 ALDET.		
Min.	33 °F	Vel.	7 m.p.h.	Read.	28.957			
Set	40 °F	Char.	60574	Corr.	28.835			
R. H.	52 %	24 hr. Mov.	404	Sea L.	30.197	0700	1300	1900
Ppn.	-	Prev. Dir.	W	3 hr. Tend.	+0.7mb	Clds.	Clds.	Clds.
	in.					9/10 ST C4		
Ppn.	-	Snow Depth	-	Observer	TR	Wx	Wx	Wx
	in.					BROKEN CLDS WEST.		
						Vis.	Vis.	Vis.
						30 MKAS		

PK WIND GUST =
25 KTS AT 12:36 PM EST
27 APRIL 1976

* MANY GUSTS RECORDED
BETWEEN 20-24 KTS.

T_{MAX} = 43
T_{MIN} = 33
T_{SET} = 40
T_W = 33.5

APRIL 29, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	57 °F	Dir. W	Temp. 69	FEW CI N-NE 6/10 CU 2:20 EDT		
Min.	39 °F	Vel. 6 m.p.h.	Read. 28.960			
Set	43 °F	Char. STEADY	Corr. 28.840			
R. H.	64 %	24 hr. Mov. 158	Sea L. 30.220	0700 Clds. CLEAR	1300 Clds.	1900 Clds.
Ppn. Liq.	— in.	Prev. Dir. W-SW	3 hr. Tend. +1.6mb	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer P.K. + R.P.	Vis. 35+	Vis.	Vis.

$T_{\text{SUR}} = 43.2^{\circ}\text{F}$

$T_{\text{W.B}} = 37.3^{\circ}\text{F}$

$T_{\text{D.P}} = 31.9^{\circ}\text{F}$

$\text{R.H} = 64\%$

PEAK WIND OF 26 KTS. AT 4:56 P.M. E.S.E
ON 4/28/76

APRIL 30, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 64 °F		Dir. SW	Temp. 70	FEW CI WEST		
Min. 36 °F		Vel. 2 m.p.h.	Read. 28.920			
Set 42 °F		Char. LIGHT	Corr. -0.798	0700	1300	1900
R. H. 65 %		24 hr. Mov. 126	Sea L. 30.156	Clds. CLEAR	Clds.	Clds.
Ppn. —	Liq. — in.	Prev. Dir. S	3 hr. Tend. +0.9	Wx	Wx	Wx
Ppn. —	Sol. — in.	Snow Depth — in.	Observer P.S.	Vis. 25 mi	Vis.	Vis.

$T_{SET} = 42.4$

$T_W = 37.6$

$T_D = 31.1$

$RH = 65\%$

PK GUST 19KTS @ 2PM EST