

July 1, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	77 °F	Dir. SW	Temp. 76.5°			
Min.	60 °F	Vel. 12 m.p.h.	Read. 29.591			
Set	63 °F	Char. STEADY	Corr. 28.454	0700	1300	1900
R. H.	68 %	24 hr. Mov. 89	Sea L. 29.750	Clds. strato-cumulus 7/10	Clds.	Clds.
Ppn. Liq.	-01 in.	Prev. Dir. W-S	3 hr. Tend. 9.9	Wx CLEAR	Wx	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer K.N.	Vis. 20 mi.	Vis.	Vis.

MAX = 76.9°

MIN = 60.4°

SET = 62.8°

WET = 56.0°

T₀ = 52.1

R.H. = 68%

PEAK Wind 18 KTS. at

1:57 p.m. JUNE 30, 1976

6:23 a.m. }
6:37 a.m. } July 1, 1976

July 2, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	68 °F	Dir.	W-SW	Temp.	76.0° F	8:00 A.M. EDT Cu Forming NW		
Min.	54 °F	Vel.	7 m.p.h.	Read.	28.878			
Set	59 °F	Char.	Steady	Corr.	28.741			
R. H.	84 %	24 hr. Mov.	262	Sea L.	30.069"	0700	1300	1900
Ppn.	T in.	Prev. Dir.	S-SW	3 hr. Tend.	+1.7/	Clds.	Clds.	Clds.
Ppn.	- in.	Snow Depth	- in.	Observer	Chcz	Wx	Wx	Wx
						Vis.	Vis.	Vis.
						14mi		

Max = 68.4
Min = 54.4
Set = 59.0
Tw = 56.2
Td = 54.3
R.H. = 84⁹⁰

Max Gust of
48 kts. at 7:38 A.M.
EST (8:38 EDT)
on July 1, 1976

July 3, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	78 °F	Dir.	SW	Temp.	Stratocumulus - good vertical development T - 7:01 A.M.			
Min.	55 °F	Vel.	5 m.p.h.	Read.				28.840
Set	59 °F	Char.	STEADY	Corr.				28.712
R. H.	81%	24 hr. Mov.	124	Sea L.	30.002	0700	1300	1900
Ppn.	.01 in.	Prev. Dir.	S-SW	3 hr. Tend.	+0 -	Clds. strato- % cumulus	Clds.	Clds.
Ppn.	— in.	Snow Depth	— in.	Observer	K.H	Wx	Wx	Wx
						Clear	Vis.	Vis.
						9 mi		

MAX = 78.3

MIN = 54.8

SET = 59.4

WET = 56.0

$T_b = 53.7^\circ$

R.H. 81%

Peak Wind of 23 knots

at 4:08 P.M. } July 2, 1976
4:11 P.M. }

$T_{SET} = 58.2$

$T_{WET} = 56.5$

$T_D = 55.4$

R.H. = 90%

PK WIND 20 KTS 12:59 PM EST
JULY 3, 1976

JULY 5, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	76 °F	Dir. VARIABLE	Temp. 74	DENSE FOG ALL QUARTERS LIFTED AROUND 8:45 AM. VIS - 3 miles EDT		
Min.	53 °F	Vel. CALM m.p.h.	Read. 28.872			
Set	57 °F	Char. VERY LIGHT	Corr. 28.740			
R. H.	99 %	24 hr. Mov. 53	Sea L. 30.073	0700 Clds. X OBSERVED	1300 Clds.	1900 Clds.
Ppn.	Liq. T in.	Prev. Dir. N-E	3 hr. Tend. +.8mb ✓	Wx DENSE FOG	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer P.K.	Vis. 1/2 mile	Vis.	Vis.

$T_{SET} = 57.4^{\circ}F$

$T_{w.8.} = 56.9^{\circ}F$

$T_{D.P.} = 57.2^{\circ}F$

$R.H. = 99\%$

PEAK WIND OF 21 KTS. AT 6:02 AM. EST ON JULY 9, 56
WHEN TAW+/+ PASSED SOUTH OF SCE.

JULY 6, 1976 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. VARIABLE	Temp. 76	FOG IN VALLEY FROM NE THROUGH SW. FOG LINE HALFWAY UP MT. NITTANY		
Min.	57 °F	Vel. 0 m.p.h.	Read. 28.919			
Set	63 °F	Char. VERY LIGHT	Corr. 28.782			
R. H.	82 %	24 hr. Mov. 47	Sea L. 30.072	0700 Clds. 0/10	1300 Clds.	1900 Clds.
Ppn.	Liq. — in.	Prev. Dir. NE-S	3 hr. Tend. +1.5/	Wx FOG	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer L.T.	Vis. 5 mi.	Vis.	Vis.

$T_{SET} = 63$

$T_{WET} = 59.5$

$T_D = 57.4$

$R.H = 82\%$

PK WIND 10 KTS 8 TIMES BETWEEN
1 AND 4 PM EST JULY 5, 1970

JULY 7, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 85 °F		Dir. VAR NE-SW	Temp. 75			
Min. 63 °F		Vel. 1 m.p.h.	Read. 28.790			
Set 64 °F		Char. Near Calm	Corr. 28.657			
				0700	1300	1900
R. H. 96 %		24 hr. Mov. 62	Sea L. 29.957	Clds. 10/10 st	Clds.	Clds.
Ppn. .24 in.	Liq.	Prev. Dir. S	3 hr. Tend. ±0 -	Wx L-F	Wx	Wx
Ppn. - in.	Sol.	Snow Depth - in.	Observer P.S.	Vis. 1 1/2 mi.	Vis.	Vis.

TSET = ~~64.1~~ 64.1

TW = 63.4

TD = 63.0

RH = 96%

PK 641T 13 KTS @ 1250 EST

July 8, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	77 °F	Dir.	SSW	Temp.	RB 10:01 A.M. RE 17:45 A.M.		
Min.	61 °F	Vel.	3 m.p.h.	Read.			
Set	64 °F	Char.	LIGHT	Corr.			
R. H.	87 %	24 hr. Mov.	53	Sea L.	0700	1300	1900
Ppn.	.08 in.	Prev. Dir.	S-N-SW	3 hr. Tend.	Clds. 10 stratus 10	Clds.	Clds.
Sol.	— in.	Snow Depth	— in.	Observer	Wx	Wx	Wx
					Foggy		
					Vis.	Vis.	Vis.
					4 mi.		

MAX: ~~80.9~~ 60.9°

Peak Wind at 25 kts

MIN = 60.7°

at 1:45 p.m. July 7, 1976

SET = 63.9°

WET = 64.4°

T_b = 60°

R.H. = 87%

July 9, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	76 °F	Dir.	N-NE	Temp.	Dreary 7:20 EST - Clearing NE			
Min.	56 °F	Vel.	6 m.p.h.	Read.				28.900
Set	60 °F	Char.	Light	Corr.				28.778
R. H.	97 %	24 hr. Mov.	61	Sea L.	30.094	0700	1300	1900
						Clds. 10/10	Clds.	Clds.
						Stratus		
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Cloudy	Wx	Wx	Wx
					Foggy			
Ppn.	Sol.	Snow Depth	Observer	Vis.	2 1/2 mi	Vis.	Vis.	Vis.
			Chcz					

Max = 75.5
Min = 56.3
Set = 59.5
Tw = 59.0
Td = 58.7
R.H. = 97 %

Peak Gust of
18 kts at
9:04 P.m. EDT
on July 8, 1976

JULY 10, 1976 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	79 °F	Dir.	CALM	Temp.	FOG IN VALLEY NE-SW VERY LIGHT HAZE OVER SKY		
Min.	55 °F	Vel.	0 m.p.h.	Read.			
Set	58 °F	Char.	CALM	Corr.			
R. H.	91 %	24 hr. Mov.	59	Sea L.	0700	1300	1900
Ppn.	— in.	Prev. Dir.	N-SW	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	— in.	Snow Depth	— in.	Observer	4/10 Alto Str.		
					Wx	Wx	Wx
					FOG		
					Vis.	Vis.	Vis.
					5 mi		

TSET = 58

TWET = 56.5

T_D = 55.5

R.H. = 91%

PK WIND 8 KTS } 059 PM } 9 JUL 1976
4:11 PM }

July 11, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	Dir.	Temp.	RE 0730 July 11, 1976 THUNDER HEARD IN DISTANT NE + SW RB0340EDT TB0342EDT R-0624 TLL 0625EDT TG 0740EDT				
76 °F	SW	75.5°					
Min.	Vel.	Read.					
58 °F	3 m.p.h.	28.600					
Set	Char.	Corr.					
69 °F	STEADY	28.465	0700	1300	1900		
R. H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.		
95 %	74	29.754	stratus 1%				
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx		
.39 in.	SW-S	- 1 -	Foggy				
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.		
- in.	- in.	K.H.	2 1/2 mi				

Max = 75.9°

Min = 58.2°

SET = 69.1°

wet = 68.0

T₀ = 67.5°

RH = 95%

Peak Wind of 42.2 kts at

11:40 AM. July 19 1976

JULY 12, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir. WNW	Temp. 74	DARK W-NW W/6 EAST. NW-B 0822 EDT NW-B 0823 EDT W/E 0840		
Min.	66 °F	Vel. 66 12 m.p.h.	Read. 28.449			
Set	68 °F	Char. STEADY	Corr. 28.360			
R. H.	77 %	24 hr. Mov. 162	Sea L. 29.647	0700 Clds. Sea 10/110 cu	1300 Clds.	1900 Clds.
Ppn. Liq.	.01 in.	Prev. Dir. SSW-W	3 hr. Tend. +.6 mb/√	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer P.K.	Vis. 10 miles	Vis.	Vis.

$T_{SET} = 68.1^{\circ}F$

$T_{W.B.} = 63.1^{\circ}F$

$T_{D.P.} = 60.4^{\circ}F$

R.H. = 77%

PEAK WIND OF 26 KTS. AT 5:19 P.M. EST ON JULY 11, 1976



DURING OUTFLOW FROM TWIN MUG. SE OF
STATE COLLEGE

JULY 13, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	71 °F	Dir. WSW	Temp. 70	MOSTLY CLEAR TO WEST AT 0700 CST		
Min.	57 °F	Vel. 7 m.p.h.	Read. 28.485			
Set	59 °F	Char. STEADY	Corr. 28.365			
R. H.	75 %	24 hr. Mov. 166	Sea L. 29.675	0700 Clds. strato 6/10 Cu d Cirro Str	1300 Clds.	1900 Clds.
Ppn. Liq.	.01 in.	Prev. Dir. WSW	3 hr. Tend. +.8/	Wx	Wx	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer L.Ti	Vis. 12 mi	Vis.	Vis.

$T_{SET} = 58.7$

$T_{WET} = 54$

$T_D = 50.6$

R.H. = 75%

PK WIND 26 KTS 12:57 PM EST
JULY 12, 1976

JULY 14, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 74 °F		Dir. WSW	Temp. 70	occasional BNDVC		
Min. 57 °F		Vel. 8 m.p.h.	Read. 28.641			
Set 59 °F		Char. STEADY	Corr. 28.520	0700	1300	1900
R. H. 88 %		24 hr. Mov. 209	Sea L. 29.828	Clds. N/10st G	Clds.	Clds.
Ppn. 0 in.	Liq.	Prev. Dir. W	3 hr. Tend. +1.15	Wx	Wx	Wx
Ppn. 0 in.	Sol.	Snow Depth 0 in.	Observer R.J.	Vis. 10 mi	Vis.	Vis.

$T_{SET} = 59.3^{\circ}F$

$T_W = 56.2^{\circ}F$

$T_D = 54.0^{\circ}F$

$RH = 88\%$

PK GUST 27 KTS @ ~~0900~~ 0904 EST

July 15, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.	TB 9:33 PM EDT			
73 °F	CALM	70.5°				
Min.	Vel.	Read.				
59 °F	0 m.p.h.	28.621				
Set	Char.	Corr.				
62 °F	LIGHT	28.499	0700	1300	1900	
R. H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
97 %	73	29.803	10 STRATUS 10			
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
1.43 in.	SW-S-NE	+1.3	Foggy			
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
- in.	- in.	K.H.	2 mi.			

MAX = 72.8°

MIN = 59.2°

SET = 62.0°

WET = 61.4°

T_d = 61.05°

R.H = 97%

Peak Wind of 19kts at 3:17 P.M.

July 14, 1976

July 16, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	86 °F	Dir.	S-SW	Temp.	Much more rain fell SW-E of station			
				74°F				
Min.	62 °F	Vel.	3 m.p.h.	Read.				28.665
Set	67 °F	Char.	Light	Corr.	28.534			
R. H.	87 %	24 hr. Mov.	46	Sea L.	29.816	0700	1300	1900
						Clds. 10/10	Clds.	Clds.
						Stratus		
Ppn.	Liq. .14 in.	Prev. Dir.	NE-SE	3 hr. Tend.	-00 ✓	Wx Cloudy, Damp, Haze	Wx	Wx
Ppn.	Sol. — in.	Snow Depth	— in.	Observer	Chcz	Vis. 5 mi, Haze, Fog	Vis.	Vis.

Max = 86.3
Min = 61.8
Set = 67.4
Td = 64.4
Tw = 65.4
RH. = 87%

Peak Gust of 15 kts
at 10:03 P.M. EDT
on July 15, 1976

JULY 17, 1976 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir. WNW	Temp. 75	FEW STRATO CU ON ALL RIDGES 0700 EST		
Min.	58 °F	Vel. 3 m.p.h.	Read. 28.755			
Set	60 °F	Char. LIGHT	Corr. 28.622			
R. H.	71 %	24 hr. Mov. 124	Sea L. 29.922	0700 Clds. 0/10	1300 Clds.	1900 Clds.
Ppn.	Liq. - in.	Prev. Dir. SW-WNW	3 hr. Tend. +2 /	Wx CLEAR	Wx	Wx
Ppn.	Sol. - in.	Snow Depth - in.	Observer L.T.	Vis. 35+	Vis.	Vis.

$T_{SET} = 59.8^{\circ}$

$T_{WGT} = 54.5^{\circ}$

$T_D = 50.6^{\circ}$

R.H. = 71%

PK WIND. 20 KTS AT 12:47 PM EST

3 7:10 PM EST

JULY 16, 1976

JULY 18, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	72 °F	Dir. SSW	Temp. 70			
Min.	50 °F	Vel. 5 m.p.h.	Read. 28.938			
Set	58 °F	Char. STEADY	Corr. 28.816			
R. H.	80 %	24 hr. Mov. 137	Sea L. 30.160	0700 Clds. CLEAR	1300 Clds.	1900 Clds.
Ppn.	Liq. — in.	Prev. Dir. W	3 hr. Tend. +1.9	Wx	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer P.S.	Vis. 12 mi.	Vis.	Vis.

TSET = 58.3

TW = 55.0

TD = 52.8

RM = 80%

PK GWT 22 KTS @ 1500 EST

July 19, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 80 °F	Dir. SW	Temp. 74				
Min. 57 °F	Vel. 2 m.p.h.	Read. 29.079				
Set 64 °F	Char. NEAR CALM	Corr. 28.947				
R. H. 74 %	24 hr. Mov. 106	Sea L. 30.281	0700 Clds. CLEAR	1300 Clds.	1900 Clds.	
Ppn. — in.	Prev. Dir. SW	3 hr. Tend. +1.3	Wx Patchy of RACT	Wx	Wx	
Ppn. — in.	Snow Depth — in.	Observer P.S.	Vis. 12 mi.	Vis.	Vis.	

$$T_{SET} = 63.6$$

$$T_W = 58.5$$

$$T_D = 55.2$$

$$RH = 74\%$$

PK GUST 16 KTS @ 150 EST

JULY 20, 1976 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	85 °F	Dir. SW	Temp. 74	FOG IN VALLEY NE - SW		
Min.	60 °F	Vel. 1 m.p.h.	Read. 29.000			
Set	63 °F	Char. VERY LIGHT	Corr. 28.868	0700	1300	1900
R. H.	84 %	24 hr. Mov. 52	Sea L. 30.168	Clds. 3/10 Alto CU	Clds.	Clds.
Ppn.	Liq. — in.	Prev. Dir. SW	3 hr. Tend. +0 —	Wx FOG	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer L.T.	Vis. 3 mi	Vis.	Vis.

$T_{SET} = 63$

$T_{WET} = 60$

$T_D = 58.2$

R.H. = 84%

PK WIND 13 KTS 1:13 PM EST } JULY 19, 1976
1:41 PM EST }

JULY 21, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	85 °F	Dir. SSW	Temp. 75	SPRINKLES FROM 0720 EDT @ 0800 EDT		
Min.	63 °F	Vel. 5 m.p.h.	Read. 28.861			
Set	70 °F	Char. STEADY	Corr. 28.733			
R. H.	77 %	24 hr. Mov. 134	Sea L. 30.028	0700 Clds. AS 1%10 SCU	1300 Clds.	1900 Clds.
Ppn.	Liq. — in.	Prev. Dir. S-SW	3 hr. Tend. +5mb ✓	Wx occn RW-	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer P.K.	Vis. 5 miles	Vis.	Vis.

$T_{SET} = 70.4^{\circ}F$

$T_{w.d.} = 65.2^{\circ}F$

$T_{D.P.} = 62.6^{\circ}F$

R.H. = 77%

PEAK WIND OF 21 KTS. AT 11:51 A.M. EST
AND 2:31 P.M. EST ON
JULY 20, 1976

FREQUENT GUSTS TO 20 KTS. BETWEEN
(7-10) 11 A.M. + 3 P.M. EST ON
7/20/76

July 22, 1976

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max.	74 °F	Dir. NNW	Temp. 71.5	Light Fog in NE end of valley		
Min.	61 °F	Vel. 5 m.p.h.	Read. 28.941			
Set	62 °F	Char. Light	Corr. 28.816			
R. H.	87 %	24 hr. Mov. 56	Sea L. 30.128	0700 Clds. stratus ¹⁰ / ₁₀	1300 Clds.	1900 Clds.
Ppn. Liq.	.23 in.	Prev. Dir. SSW-W-N	3 hr. Tend. +1.2 /	Wx Cloudy	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer K.H.	Vis. 10 mi	Vis.	Vis.

MAX = 74.0°

Peak Wind of 12 kts at

MIN = 61.2°

11:51 P.M. July 21, 1976

SET = 62.4°

12:17 A.M. July 22, 1976

WET = 60.0°

EST

$T_d = 58.6^\circ$

R.H. = 87%

July 23, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	75 °F	Dir. NE	Temp. 72			
Min.	62 °F	Vel. 1 m.p.h.	Read. 28.941			
Set.	64 °F	Char. <i>Lite</i> Steady	Corr. 28.814	0700	1300	1900
R. H.	94 %	24 hr. Mov. 65	Sea L. 30.125	Clds. 10/10 Stratus	Clds.	Clds.
Ppn.	Liq. -10 in.	Prev. Dir. E	3 hr. Tend. 00 ~	Wx <i>Pamp</i> <i>Foggy</i>	Wx	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer Chez	Vis. 4 1/2 mi	Vis.	Vis.

$T_{max} = 75.0$
 $T_{min} = 62.2$
 $T_{set} = 64.0$
 $T_w = 63.0$
 $T_d = 62.4$
 $R.H. = 94\%$

Max Gust of 15 kts
at 10:58^{11:58 PM EDT} P.m. EST
on
July 22, 1976

JULY 24, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	73 °F	Dir.	SSW	Temp.	Threatening to west Completely overcast by 0715 EST			
				72				
Min.	63 °F	Vel.	2 m.p.h.	Read.				28.747
Set	68 °F	Char.	LIGHT	Corr.	28.621			
R. H.	95 %	24 hr. Mov.	74	Sea L.	30.006	0700	1300	1900
						Clds. Ci Cu	Clds.	Clds.
						7/10 Ci St. Cu		
Ppn.	Liq. .11 in.	Prev. Dir.	SN-NE-SW	3 hr. Tend.	+1.3 ✓	Wx	Wx	Wx
Ppn.	Sol. — in.	Snow Depth	— in.	Observer	L.T.	Vis.	Vis.	Vis.
						8 mi		

TSET = 68

TWET = 67

T_D = 66.5

R.H. = 95%

PK WIND 10 KTS 2:18 AM EST
JULY 24, 1976

July 25, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	84 °F	Dir.	NNE	Temp.	74°			
Min.	56 °F	Vel.	8 m.p.h.	Read.	28.879			
Set	58 °F	Char.	STEADY	Corr.	18.797	0700	1300	1900
R. H.	70%	24 hr. Mov.	93	Sea L.	30.107	Clds. Cirrus	Clds.	Clds.
Ppn.	— in.	Prev. Dir.	W-NW-NNE	3 hr. Tend.	+1.8 /	Wx	Wx	Wx
Ppn.	— in.	Snow Depth	— in.	Observer	K.H.	Clear	Vis.	Vis.
						25 mi		

MAX = 84.3°

MIN = 54.9°

SET = 38.4°

WET = 53.0°

T_D = 48.8°

RH = 70%

PEAK WIND OF 20 KTS AT

12:30 P.M. EST JULY 24, 1976

JULY 26 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	76 °F	Dir.	VAR NE-SE	Temp.	72	Only few Ci during the daylight hours		
Min.	49 °F	Vel.	0 m.p.h.	Read.	28.950			
Set	55 °F	Char.	CALM	Corr.	28.823			
R. H.	82 %	24 hr. Mov.	MSG	Sea L.	30.156	0700	1300	1900
Ppn.	— in.	Prev. Dir.	VARIABLE	3 hr. Tend.	+0.9	Clds.	Clds.	Clds.
Ppn.	— in.	Snow Depth	— in.	Observer	P.S.	Wx	Wx	Wx
						Wx	Wx	Wx
						Vis. 20' N-W-S	Vis.	Vis.
						15 E		

$T_{SET} = 55.2$

$T_W = 52.1$

$T_D = 49.8$

$RH = 82\%$

JK GUST -

JULY 27, 1976 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir. SW	Temp. 71	low lying fog in valley from NE-SW of haze		
Min.	55 °F	Vel. 3 m.p.h.	Read. 28.749			
Set	61 °F	Char. LIGHT	Corr. 28.626			
R. H.	87 %	24 hr. Mov. 68	Sea L. 29.939	0700	1300	1900
Ppn.	Liq. — in.	Prev. Dir. S	3 hr. Tend. -.4 \	Clds. Ci 3/10 ci st. MTCu.	Clds.	Clds.
Ppn.	Sol. — in.	Snow Depth — in.	Observer L.T.	Wx FOG	Wx	Wx
				Vis. 3 mi	Vis.	Vis.

$T_{set} = 60.8$

$T_{wet} = 59$

$T_D = 57.8$

$R.H. = 87\%$

PK WIND 14 KTS 12:02 PM
JULY 26, 1976

JULY 20, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	Dir.	Temp.	Sky Partly Obscured but clear over head				
74 °F	SW	72					
Min.	Vel.	Read.					
64 °F	2 m.p.h.	20.759					
Set	Char.	Corr.					
64 °F	LIGHT	28.839	0700	1300	1900		
R. H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.		
95 %	40	29.934	$\frac{0}{10}$				
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx		
— in.	SSW-SW	+ .5 V	Fog				
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.		
— in.	— in.	K.H.	1/4 mi.				

MAX = 73.9°

Peak Wind of 12 kts. at

MIN = 60.2°

11:26 AM (EST)

SET = 64.1°

July 27, 1976

WET = 63.1°

T₀ = 62.6°

R.H. = 95%

JULY 29, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.				
Max.	89 °F	Dir.	SSW	Temp.	Visibility LOWER J-NW DUE TO FOG RB 1300 TAW - @ 1250 EDT TAW → OCCN 1315-1330 EDT TAW - APT. 1340 EDT SOME WX REPORTED IN BALDWIN CO.				
Min.	64 °F	Vel.	3 m.p.h.	Read.				28.722	
Set	68 °F	Char.	light	Corr.				28.591	
R. H.	93 %	24 hr. Mov.	39	Sea L.	29.876	0700	1300	1900	
Clds.	-x 7/10	Clds.		Clds.					
Ppn.	— in.	Prev. Dir.	SE-SW	3 hr. Tend.	+2mb ✓	Wx	Fog, HAZE	Wx	
Ppn.	— in.	Snow Depth	— in.	Observer	P.K.	Vis.	3 miles	Vis.	

TSET = 68.3°F
TW.B = 66.8°F
DEP = 1.5°F
TD.D = 66.1°F
RH = 93%

* Tornado Confirmed
~ 1520 EDT
Bear Meadows near
Whitwell Road

PEAK WIND OF 9KTS ONLY AT

5:20 P.M. EST ON 7/28/76
5:32 AM
+

1:00 A.M. EST ON 7/29/76

July 30, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.				
Max.	82 °F	Dir.	S-SW	Temp.	0700 Plenty of Ground Fog in Valley				
Min.	68 °F	Vel.	3 m.p.h.	Read.				28.708	
Set	69 °F	Char.	Light Gusty in Pk	Corr.				28.582	
R. H.	95 %	24 hr. Mov.	71	Sea L.	29.875	0700	1300	1900	
Clds.	10/10 Stratus	Clds.		Clds.					
Ppn.	1.21 in.	Prev. Dir.	S-SW	3 hr. Tend.	+1.15	Wx	Cloudy Drizzly Foggy	Wx	Wx
Ppn.	— in.	Snow Depth	— in.	Observer	Chez	Vis.	2 3/4 miles	Vis.	Vis.

Max = ~~81.8~~ 81.8

Min = 68.3

Set = 69.0

Tw = 68.0

Td = 67.5

R.H. = 95%

Peak Wind of 34 kts.

at 6:48 P.M. EDT on

July 29, 1976

JULY 31, 1976

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	79 °F	Dir. SSW	Temp. 74	VISIBILITY POOR ALL QUADS		
Min.	61 °F	Vel. 2 m.p.h.	Read. 28.648	7:50 PM TRVT WIND 46 KNOTS .35" IN 7 MIN.		
Set	63 °F	Char. light	Corr. 28.517			
R. H.	92 %	24 hr. Mov. 80	Sea L. 29.811	0700	1300	1900
Ppn.	— in.	Prev. Dir. SE-SW	3 hr. Tend. +.2 ✓	Clds. 5/10 AM Co.	Clds.	Clds.
Ppn.	— in.	Snow Depth — in.	Observer L.T.	Wx FOG+HAZE	Wx	Wx
				Vis. 2 mi.	Vis.	Vis.

$T_{SET} = 62.8^{\circ}$

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

$T_D = 61.5^{\circ}$

R.H. = 92%

PK WIND 15 KTS AT 11:55 AM JULY 30, 1976
2:05 PM