

MONDAY, DECEMBER 1, '80 0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

Temp.		Wind		Barom.		General Obs.			
Max.	51 °F	Dir.	SW	Temp.	70°	STRATOCU BINOC CLOUDS MOVING RAPIDLY EASTWARD			
Min.	35 °F	Vel.	15 m.p.h.	Read.	28.68				
Set	50 °F	Char.	GUSTY	Corr.	28.57	0700	1300	1900	
R. H.	43 %	24 hr. Mov.	272 mi.	Sea L.	29.92	Clds.	10/10	Clds.	51
Ppn.	—	Prev. Dir.	SW	3 hr. Tend.	1.0mb /	Wx	CLOUDY	Wx	M
Ppn.	—	Snow Depth	— in.	Observer	JHM	Vis.	25	Vis.	48
								Vis.	51

Dp.T. 28°F.

TUE Dec 2, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	53°F	Dir.	calm	Temp.	patchy thin (w) NE VIS 12.5 km - NE		
Min.	39°F	Vel.	calm m.p.h.	Read.	CS; some AC		
Set	41°F	Char.	calm	Corr.	MIN - 44 MAX = 44		
R. H.	68%	24 hr. Mov.	99 mi	Sea L.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	SW	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	10/10	53	
					Wx	Wx	Wx
					cloudy	34	
					Vis.	Vis.	Vis.
					20	39	44

T_b - 31°F

19

WED. DEC 3, 1963

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 57 °F	Dir. W	Temp. 70	PRESS RR (over) VERY WINDY BLOWING SNOW			
Min. 24 °F	Vel. 24 m.p.h.	Read. 28.85	Gusts ≈ 75 mph with FECPA ≈ 17 knots 12/2/60			
Set 24 °F	Char. GUSTY	Corr. 28.74	0700	1300	1900	
R. H. 68 %	24 hr. Mov. 249 mi.	Sea L. 30.17	Clds. 10/10	Clds. 56	Clds.	
Ppn. .19 in.	Liq. W	Prev. Dir. W	3 hr. Tend. 17.0 mb	Wx D	Wx 23	
Ppn. T in.	Sol. — in.	Snow Depth — in.	Observer JHM	Vis. 4 mi.	Vis. 23	
					26	

Dp.T. 15°f.

Hail and lightning at FROPA.

THURS., DEC. 4, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	32 °F	Dir.	-0 -	Temp.	70	
Min.	17 °F	Vel.	0 m.p.h.	Read.	29.18	
Set	17 °F	Char.	CALM	Corr.	29.07	
R. H.	64 %	24 hr. Mov.	46 mi.	Sea L.	30.54	
Ppn.	T in.	Prev. Dir.	NW	3 hr. Tend.	4.5 mb.	
Ppn.	T in.	Snow Depth	- in.	Observer	JHM	
				0700	1300	1900
				Clds.	3/10	Clds.
				Clds.	32	Clds.
				Wx	SET ci Alcu	Wx
				Wx	16	Wx
				Vis.	30 mi.	Vis.
				Vis.	16	Vis.
						19

DpT. 7° F.

FRIDAY, DEC. 5, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	36 °F	Dir. -0-	Temp. 70	GF - ALONG RIDGE BOTTOMS CL ALL QUADS ALCU WEST		
Min.	17 °F	Vel. 0 m.p.h.	Read. 29.07			
Set	17 °F	Char. CALM	Corr. 28.96			
R. H.	54 %	24 hr. Mov. 34.8 mi.	Sea L. 30.42	0700 Clds. 5/10	1300 Clds. 38	1900 Clds.
Ppn.	Liq. — in.	Prev. Dir. NE	3 hr. Tend. -1.5mb	Wx SET CL ALCU	Wx 15	Wx
Ppn.	Sol. — in.	Snow Depth — in.	Observer JHM	Vis. 30 mi.	Vis. 15	Vis. 17

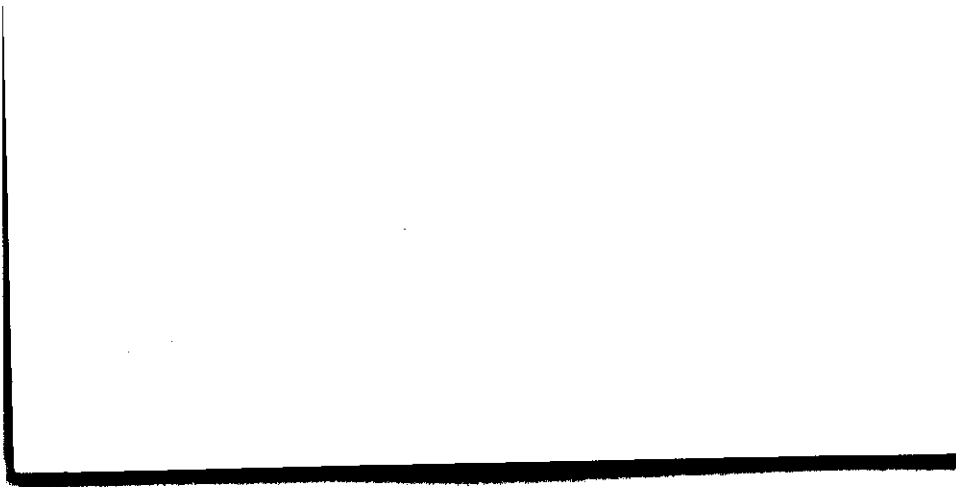
Dp. T. 3°F

DECEMBER 6, 1980
0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	37 °F	Dir. CALM	Temp. 70	FEW C., STRATUS S-SW		
Min.	17 °F	Vel. CALM m.p.h.	Read. 29.06			
Set	23 °F	Char. -	Corr. 28.94			
R. H.	50 %	24 hr. Mov. 4.2 MI	Sea L. 30.38	0700 Clds. 1/10	1300 Clds. 36	1900 Clds.
Ppn. Liq.	- in.	Prev. Dir. N	3 hr. Tend. +0.0MB -	Wx MOSTLY CLEAR	Wx 15	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer FJG	Vis. 20	Vis. 20	Vis. 24

$$T_d = 70^\circ\text{F}$$



SUN. DEC. 7, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.						
Max.	43 °F	Dir.	-0-	Temp.	GF - VALLEY HAZE OVC ST. CU.						
Min.	22 °F	Vel.	0 m.p.h.	Read.				28.95			
Set	40 °F	Char.	CALM	Corr.				28.84			
R. H.	70 %	24 hr. Mov.	3.6 mi.	Sea L.	30.23	0700	1300	1900			
Ppn.	T in.	Prev. Dir.	E	3 hr. Tend.	STEADY	Clds.	10/10	Clds.	42	Clds.	
Ppn.	- in.	Snow Depth	- in.	Observer	JHM	Wx	STCU ∞	Wx	17	Wx	
						Vis.	4 mi.	Vis.	36	Vis.	41

Dp.T. 31° F

MON., DEC. 8, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	54 °F	Dir. SW	Temp. 73	STRATO CU RIDGETOPS OBSCURED		
Min.	40 °F	Vel. 8 m.p.h.	Read. 28.77	LIGHT DRIZZLE 9		
Set	53 °F	Char. STEADY	Corr. 28.65			
R. H.	%	24 hr. Mov. 1.4 mi.	Sea L. 30.00	0700 Clds. 10/10	1300 Clds. 55	1900 Clds. 55
Ppn.	Liq. 1.02 in.	Prev. Dir. SW	3 hr. Tend. -2.0 mb	Wx CLOUDY DRIZZLE -	Wx 37	Wx 37
Ppn.	Sol. — in.	Snow Depth — in.	Observer JHM	Vis. 3 mi.	Vis. 51	Vis. 53

Dp.T. 48° F.



TUESDAY 12/9/80 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	63 °F	Dir. NE	Temp. 73	STRATUS DECK SW Alst BRINOVIC HORIZON NORTH		
Min.	40 °F	Vel. 3 m.p.h.	Read. 28.68			
Set	40 °F	Char. LIGHT	Corr. 28.55			
R. H.	67 %	24 hr. Mov. 47.7	Sea L. 29.92	0700 Clds 10/10	1300 Clds 63	1900 Clds.
Ppn. Liq.	T in.	Prev. Dir. SW	3 hr. Tend. —	Wx MOSTLY CLOUDY	Wx 39	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer MPS	Vis. 10	Vis. 39	Vis. 41



WED., DEC. 10, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 44 °F		Dir. WSW	Temp. 72			
Min. 34 °F		Vel. 4 m.p.h.	Read. 28.69			
Set 34 °F		Char. STEADY	Corr. 28.57			
				0700	1300	1900
R. H. 73 %		24 hr. Mov. 47.5 mi.	Sea L. 29.97	Clds. 6/10	Clds. 43	Clds. ?
Ppn. .36 in.	Liq.	Prev. Dir. NE	3 hr. Tend. -1.5 mb	Wx —	Wx 31	Wx
Ppn. — in.	Sol.	Snow Depth — in.	Observer JHM	Vis. 10 mi.	Vis. 31	Vis. 34

Dp.T. 26°F.

Thur. DEC. 11, 1960 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	39 °F	Dir.	N-NW	Temp.	72			
Min.	18 °F	Vel.	10 m.p.h.	Read.	28.99			
Set	18 °F	Char.	—	Corr.	28.87			
R. H.	67 %	24 hr. Mov.	19.1 mi	Sea L.	30.23	0700	1300	1900
Ppn.	T in.	Prev. Dir.	N	3 hr. Tend.	+1.0 mb	Clds.	40	Clds.
Ppn.	T in.	Snow Depth	T in.	Observer	J.J.C	Wx	17	Wx
						0700	1300	1900
						Clds.	40	Clds.
						Wx	17	Wx
						Vis.	17	Vis.
						15 mi	17	20

0700 EST, $T_D = 9^\circ F$



FRI. DEC 12, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	29 °F	Dir. SW	Temp. 72	LOW STRATOCU DECK RIDGETOPS OBLSCURED		
Min.	18 °F	Vel. 7 m.p.h.	Read. 28.80			
Set	25 °F	Char. GWTY	Corr. 28.68			
R. H.	77 %	24 hr. Mov. 57 mi.	Sea L. 30.10	0700 Clds. 10/10	1300 Clds. 29	1900 Clds.
Ppn.	Liq. .01 in.	Prev. Dir. SW	3 hr. Tend. STEADY	Wx -U	Wx 17	Wx
Ppn.	Sol. .2 in.	Snow Depth T in.	Observer JHM	Vis. 4 mi.	Vis. 23	Vis. 26

Dp.T. 19°F.

T₀ = 34 , 0745 , 13-DEC-1980

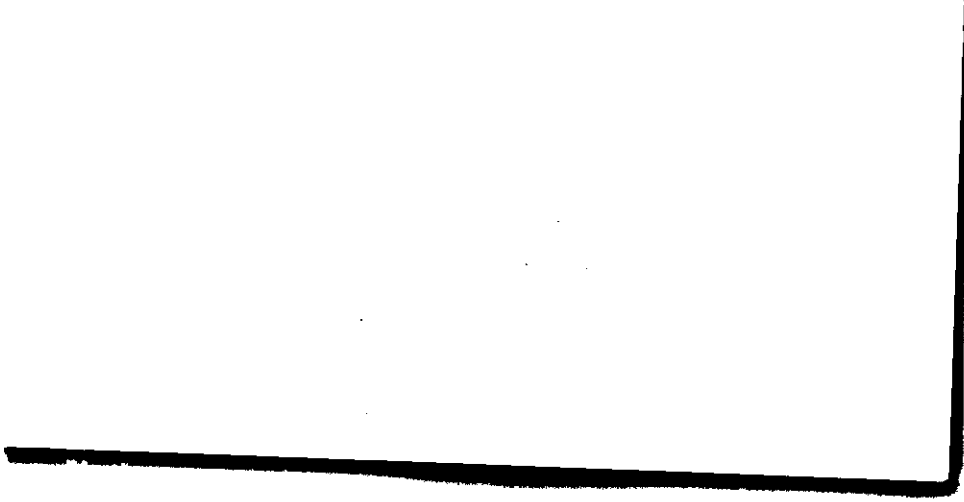
SUN. DEC 14, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	44 °F	Dir.	Temp.	LOW, RAPIDLY MOVING STRATOCU DECK (BKN)		
		WSW	70			
Min.	22 °F	Vel.	Read.			
		18 m.p.h.	28.62			
Set	25 °F	Char.	Corr.	0700	1300	1900
		GUSTY!	28.51			
R. H.	66 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		39.5 mi.	29.93	6/10 BKN	44	
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
—	in.	W	-1.0 mb	—	20	
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.
—	in.	— in.	JHM	20 mi	23	26

D.P.T. 15 °F



MON. DEC 15, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

General Obs.

Temp.		Wind		Barom.	General Obs.		
Max.	32 °F	Dir.	-0-	Temp.	ALTOSTRATUS OVC		
Min.	11 °F	Vel.	0 m.p.h.	Read.	GF - IN VALLEYS		
Set	14 °F	Char.	CALM	Corr.	0700	1300	1900
R. H.	77 %	24 hr. Mov.	50 mi.	Sea L.	Clds.	Clds.	Clds.
Ppn.	T in.	Prev. Dir.	W	3 hr. Tend.	10/10	32	
					Wx	Wx	Wx
					A1st	6	
Ppn.	0.3 in.	Snow Depth	T in.	Observer	Vis.	Vis.	Vis.
				JHM	12 mi.	13	16

DPT. 8° F.

TUESDAY 12/16/80 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 29 °F		Dir. NE	Temp. 70	St cu Fog LIGHT SNOW		
Min. 14 °F		Vel. 2 m.p.h.	Read. 28.60			
Set 25 °F		Char. LIGHT	Corr. 28.48			
R. H. 68 %		24 hr. Mov. 55.4	Sea L. 29.89	0700 Clds. 10/10 St cu	1300 Clds. 28	1800 Clds.
Ppn. Liq. .13 in.		Prev. Dir. S	3 hr. Tend. -0.5L	Wx SNOW	Wx 13	Wx
Ppn. Sol. 2.1 in.		Snow Depth 2 in.	Observer MPS	Vis. 1 1/2	Vis. 23	Vis. 26



WED, DEC 17, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	30 °F	Dir. NNW	Temp. 68	CLOUD COVER DECREASING RAPIDLY		
Min.	17 °F	Vel. 3 m.p.h.	Read. 28.71			
Set	18 °F	Char. DIMINISHING	Corr. 28.60			
R. H.	71 %	24 hr. Mov. 101 mi.	Sea L. 30.04	0700 Clds. 7/10	1300 Clds. 31	1900 Clds.
Ppn.	Liq. T in.	Prev. Dir. N	3 hr. Tend. +1.0mb.	Wx U	Wx 16	Wx
Ppn.	Sol. T in.	Snow Depth 1 in.	Observer JHM	Vis. 15 mi.	Vis. 16	Vis. 19

Dp. T. 10°F .

Thursday 18, DEC, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.				
Max.	34 °F	Dir.	WSW	Temp.	Valley Fog to N.				
Min.	18 °F	Vel.	16 m.p.h.	Read.				28.78	
Set	33 °F	Char.	—	Corr.				28.67	
R. H.	88 %	24 hr. Mov.	54.02	Sea L.	30.08	0700	1300	1900	
Ppn.	— in.	Prev. Dir.	SW	3 hr. Tend.	✓	Clds.	10/10	Clds.	34
Ppn.	— in.	Snow Depth	0.8 in.	Observer	JTC	Wx	STRATOCU.	Wx	15
						Vis.	9mi-N	Vis.	31
							15mi-S	Vis.	33

$T_D = 24^{\circ}F$ 0800 EST 12-18-80

FRI., DEC 19, 1980

0700 EST

Meteorological Observations
University Park, Pa.
General Obs.

Temp.		Wind		Barom.	General Obs.		
Max.	38 °F	Dir.	WNW	Temp.	BKN - deck		
Min.	29 °F	Vel.	16 m.p.h.	Read.	PRES RR		
Set	29 °F	Char.	GUSTY	Corr.	GUSTS TO 35 mph		
R. H.	58 %	24 hr. Mov.	96 mi.	Sea L.	0700	1300	1900
Ppn.	T in.	Prev. Dir.	SW	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	— in.	Snow Depth	T in.	Observer	9/10		38
				JHM	Wx	Wx	Wx
					—		27
					Vis.	Vis.	Vis.
					20 mi.	30	27

DpT. 16° F



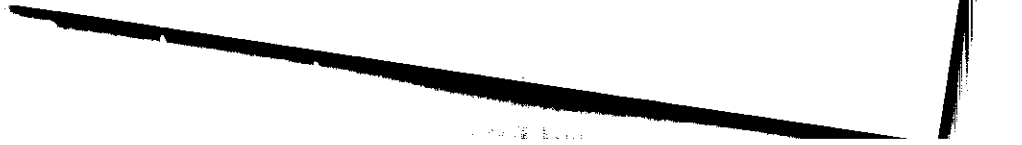
SATURDAY 12/20/80 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max.	29 °F	Dir.	NW	Temp.	67	St DECK E AND St cu NW		
Min.	3 °F	Vel.	10 m.p.h.	Read.	29.19			
Set	3 °F	Char.	STEADY	Corr.	29.08			
R. H.	62 %	24 hr. Mov.	89.3	Sea L.	30.60	0700	1300	1900
Clds.	1/10	Clds.	27	Clds.				
Ppn.	T in.	Prev. Dir.	NW	3 hr. Tend.	+2.0/	Wx	FRIGID	Wx
Wx		Wx	1	Wx				
Ppn.	T in.	Sol.	T in.	Snow Depth	T in.	Observer	MPS	Vis.
Vis.	10	Vis.	1	Vis.	5			



Up 1. 2° F.



1911

DPT. 0° F



D (0000031) -16°F



$T_D = 29^\circ\text{E}$ (0800 EST)

34
32
27.5

Thurs. 25, Dec 1980

0700 EST

Meteorology
University Park, Pa.

General Obs.

Temp.		Wind		Barom.		"Sleigh + hoof marks on roof" - Breath frozen to facial hair					
Max.	37 °F	Dir.	NW	Temp.	68						
Min.	-4 °F	Vel.	4 m.p.h.	Read.	29.11						
Set	-4 °F	Char.	—	Corr.	29.00						
R. H.	46 %	24 hr. Mov.	106.44	Sea L.	30.53	0700	1300	1900			
Ppn.	24 in.	Prev. Dir.	NW	3 hr. Tend.	10.1"	Clds.	Clds.	Clds.			
						Wx	Wx	Wx			
Ppn.	2.1 in.	Snow Depth	1.8 in.	Observer	JJC	Vis.	Vis.	Vis.			
						15	-6	-3			



Fri Dec 26, 1980

0700 EST

Meteorological University Park, Pa.
General Obs.

Temp.	Wind	Barom.
Max. 12 °F	Dir. SW	Temp. 69°F
Min. -5 °F	Vel. 2 m.p.h.	Read. 29.14"
Set 5 °F	Char. —	Corr. 29.02"
R. H. 70 %	24 hr. Mov. 21.42	Sea L. 30.50"
Ppn. — in.	Prev. Dir. N	3 hr. Tend. STD
Ppn. — in.	Snow Depth 1.5 in.	Observer JJC

Break in thin ovc.

	0700	1300	1900
Clds.	9/10	12	
Wx	STRAUS	- 6	
Vis.	15	1	5

$T_D (0800 \text{ EST}) = -2.5^\circ\text{F}$



Sat Dec 27, 1980

0700 EST

Meteorological Observatory
University Park, Pa.

General Obs.

Temp.		Wind		Barom.		Strata in thin layer clear E horizon clearing from SE					
Max.	20 °F	Dir.	Calm	Temp.	69°F						
Min.	5 °F	Vel.	Calm m.p.h.	Read.	29.23"						
Set	15 °F	Char.	Calm	Corr.	-12 +1.79.11						
R. H.	64 %	24 hr. Mov.	36 ^{out} 0	Sea L.	30.60"	0700	1300	1900			
Ppn.	0 in.	Prev. Dir.	S	3 hr. Tend.	+1.06"	Clds.	Clds.	Clds.			
Ppn.	0 in.	Snow Depth	1 in.	Observer	Gsf	0700	1300	1900			
						Wx	Wx	Wx			
						Vis.	Vis.	Vis.			
						17	15	16			

Temp of

wind integrator bracke frozen?

SUN Dec 28, 1980

0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	30 °F	Dir. Calm	Temp. 70	stratus hazy SE clouds on mtn tops SE		
Min.	14 °F	Vel. Calm m.p.h.	Read. 29.26			
Set	22 °F	Char. Calm	Corr. 29.17			
R. H.	65 %	24 hr. Mov. 4.5 ? 78 estimated	Sea L. 30.60"	0700 Clds. 10/10	1300 Clds. 29	1900 Clds.
Ppn. Liq.	0 in.	Prev. Dir. NE	3 hr. Tend. +0.2"	Wx —	Wx 9	Wx
Ppn. Sol.	0 in.	Snow Depth 1 in.	Observer GSF	Vis. 7	Vis. 22	Vis. 22

$10 = 12 \cdot t$
Wind integrator frozen part of day?

ID = 29



CONFIDENTIAL

30 DEC 80

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	34 °F	Dir. N	Temp. 69			
Min.	28 °F	Vel. 86.18 m.p.h.	Read. 28.80			
Set	32 °F	Char. Gusty	Corr. 28.68	0700	1300	1900
R. H.	72 %	24 hr. Mov.	Sea L. 30.08	Clds. 14/10 Sc	Clds. 35	Clds.
Ppn.	Liq. .03 in.	Prev. Dir. NNE	3 hr. Tend. +2.01	Wx -	Wx 27	Wx
Ppn.	Sol. 0 in.	Snow Depth T in.	Observer WL	Vis. 15	Vis. 30	Vis.



