TUES JULY 1, 1986

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. *66 °F	Dir. W	Temp. 71 °F	HEAVY FOG TO EAST OBSCURING MOST OF MT. NITTANY
Min. 51 °F	Vel. 0 m.p.h.	Read. 28.84	New Min Max
Set 53 °F	Char. CALM	Corr. 28.72	
R. H. 55 %	24 hr. Mov. 59 MI	Sea L. 30.04	
Ppn. T Liq. in.	Prev. Dir. NW	3 hr. Tend. +0.8 MB	
Ppn. ~ Sol. in.	Snow Depth ~ in.	Obscur. YES	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx	Wx	Wx
Vis. 5 MI.	Vis.	Vis.

$T_{RAMOS} \rightarrow 52$

$T_{DRAMOS} \rightarrow 35$

$P_{CN} \rightarrow T$

$\sum P_{CN} \rightarrow T$

$HDD = 6$

$\sum HDD = 6$

WED., JULY 2, 1986

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. NE	Temp. 72 °F	Overnight low ~ 59 °F 1st 10:20PM - 10:35PM RW- 12:45AM ~ 1:15AM RW- 3AM ~ 7:15AM Lt. - Mod. Rain
Min. 53 °F	Vel. 4 m.p.h.	Read. 28.54"	
Set 60 °F	Char. Light	Corr. 28.42"	
R. H. 61 %	24 hr. Mov. 98.9 miles	Sea L. 29.70"	
Ppn. 0.78 Liq. in.	Prev. Dir. S	3 hr. Tend. 0.0 mb V	
Ppn. - Sol. in.	Snow Depth - in.	Observer JGWK	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx ovc	Wx	Wx
Vis. 5 miles	Vis.	Vis.

T_{AVG} = 61°F

T_{RANGE} = 60°F

$T_{J\ RANGE}$ = 46°F

PCN = 0.78"

ΣPCN = 0.78"

HDD = 4

ΣHDD = 10

Normals

T_{MAX} 82°

T_{MIN} 61

Extremes

T_{MAX} 97°

T_{MIN} 56°

THUR, JULY 3, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 77 °F	Dir. W	Temp. 72	SOME HAZE TO EAST LINE OF CUMULUS ALONG BALD EAGLE RIDGE
Min. 57 °F	Vel. 4 m.p.h.	Read. 28.69	
Set 60 °F	Char. —	Corr. 28.57	
R. H. 47 %	24 hr. Mov. 89 mi	Sea L. 29.89	
Ppn. T in. Liq.	Prev. Dir. W	3 hr. Tend. +.35mb	
Ppn. — in. Sol.	Snow Depth — in.	Observer RMS	

	0700	1300	1900
Clds.	4/10 Cu	Clds.	Clds.
Wx	—	Wx	Wx
Vis.	10 mi	Vis.	Vis.

Td = 39

ΣP = .78

DD = 0

ΣDD = 10

FRI JULY 4, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 73 °F	Dir. SW	Temp. 73			
Min. 48 °F	Vel. 5 m.p.h.	Read. 28.96			
Set 54 °F	Char. –	Corr. 28.84			
R. H. 44 %	24 hr. Mov. 122	Sea L. 30.21	0700	1300	1900
Ppn. Liq. – in.	Prev. Dir. NW	3 hr. Tend. +1.2 mb	Clds. 0/10	Clds.	Clds.
Ppn. Sol. – in.	Snow Depth – in.	Observer RMS	Wx SUNNY	Wx	Wx
			Vis. 30 MI	Vis.	Vis.

DD = 4
ΣDD = 14
ΣP = .78
Td = 39

SAT., JULY 5, 1986

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 80 °F	Dir. -	Temp. 76 °F			
Min. 55 °F	Vel. CALM m.p.h.	Read. 29.02"			
Set 66 °F	Char. -	Corr. 28.88"			
R. H. 42 %	24 hr. Mov. 117.0 miles	Sea L. 30.19"	0700	1300	1900
Ppn. Liq. - in.	Prev. Dir. SW	3 hr. Tend. +1.0mb	Clds. 1%/10 Cirrostratus	Clds.	Clds.
Ppn. Sol. - in.	Snow Depth - in.	Observer JGWK	Wx SUNNY HAZE	Wx	Wx
			Vis. 15 miles	Vis.	Vis.

$T_{RAMOS} = 68°F$

$T_{d\ RAMOS} = 44°F$

$\Sigma PCN = 0.78"$

$\bar{T} = 68°F$

$HDD = 0$

$\Sigma HDD = 14$

SUNDAY, JULY 6, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 89 °F	Dir. SW	Temp. 80 °F	HAZE
Min. 63 °F	Vel. 4 m.p.h.	Read. 29.12"	
Set 69 °F	Char. Gentle	Corr. 28.97"	
R. H. 52 %	24 hr. Mov. 98.2 miles	Sea L. 30.28"	
Ppn. Liq. - in.	Prev. Dir. SW	3 hr. Tend. +2.0 mb /	
Ppn. Sol. - in.	Snow Depth - in.	Observer JGWK	

	0700	1300	1900
Clds.	0/10	Clds.	Clds.
Wx	SUNNY	Wx	Wx
Vis.	4 miles	Vis.	Vis.

$T_{RAMos} = 70°F$

$T_{J\,RAMos} = 51°F$

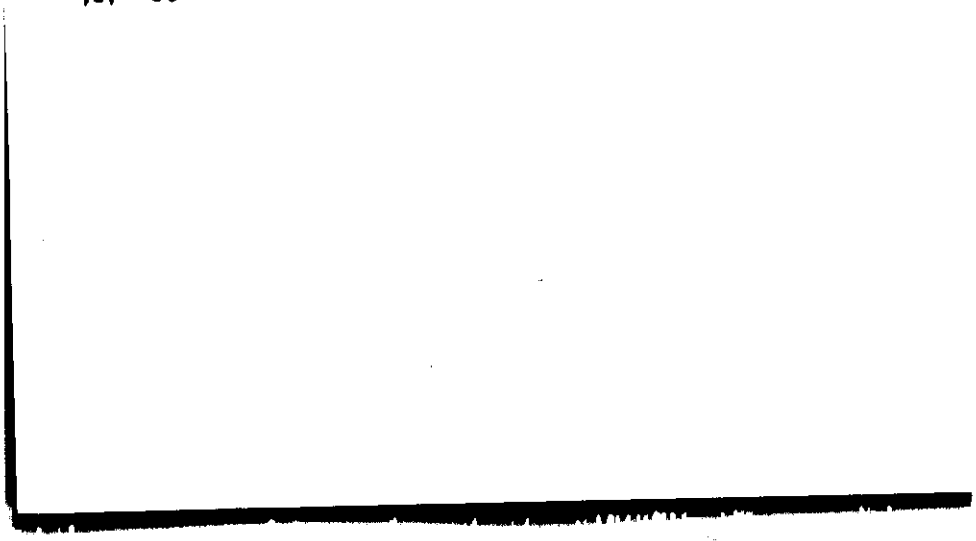
$$\Sigma P_{CW} = 0.78$$

Mon July 7, 1986 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 89 °F	Dir. SW	Temp. 84*	* RAMOS MOISTURE SENSOR RUNNING MUCH TOO LOW
Min. 67 °F	Vel. 7 m.p.h.	Read. 29.03	X TIES RECORD HIGH IN WEATHER STATION
Set 75 °F	Char. —	Corr. 28.87	
R. H. 49* %	24 hr. Mov. 108 mi.	Sea L. 30.17	
Ppn. — Liq. in.	Prev. Dir. WNW	3 hr. Tend. +.2 mb	
Ppn. — Sol. in.	Snow Depth — in.	Observer RMS	

	0700	1300	1900
Clds.	0/10		
Wx	HAZE		
Vis.	3 mi		

$T_{d_{RAMOS}} = 55$ ACTUALLY SHOULD BE ~65



TUESDAY JULY 8, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 90 °F	Dir. SW	Temp. 74 °F	HAZE * RAMOS MOISTURE INDICATOR OUT TO LUNCH
Min. 65 °F	Vel. 3 m.p.h.	Read. 28.91	
Set 69 °F	Char. LIGHT	Corr. 28.78	
R. H. * 50 %	24 hr. Mov. 123.8 Mi	Sea L. 29.08	
Ppn. Liq. ~ in.	Prev. Dir. W	3 hr. Tend. +0.75MB	
Ppn. Sol. ~ in.	Snow Depth ~ in.	Observer [illegible]	

	0700	1300	1900
Clds.	0/10	Clds.	Clds.
Wx	MOSTLY SUNNY	Wx	Wx
Vis.	10 Mi	Vis.	Vis.

$T_{RAMOS} \rightarrow 70$

$T_{DRAMOS} \rightarrow 50$ (BOGUS)

$P_{CN} \rightarrow \sim$

$\sum_{1} P_{CN} \rightarrow 0.78$

WED, JULY 9, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 85 °F	Dir. SW	Temp. 72°F	6:45 - 7:15 PM RW-
Min. 68 °F	Vel. 12 m.p.h.	Read. 28.70"	8:10 - 8:30 PM RW-
Set 70 °F	Char. Light	Corr. 28.58*	9:30 - 10:10 PM Distant Lightning
R. H. ? 56 %	24 hr. Mov. 111.7	Sea L. 29.88	10:10 - 11:30 PM TRW-
Ppn. Liq. 0.39 in.	Prev. Dir. SW	3 hr. Tend. Missing *	12:30 ~ 4:30 AM TRW- and RW-
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	* Clock stopped 9PM 7/8

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx OVC HAZE	Wx	Wx
Vis. 10 miles	Vis.	Vis.

T = 70°F

T_d = 54°F

HDD = 0

ΣHDD =

ΣPCN = 1.17"

THU., JULY 10, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 77 °F	Dir. WSW	Temp. 74°F	10AM ~ 10:30AM RW-
Min. 59 °F	Vel. 6 m.p.h.	Read. 28.85	2PM ~ 2:45PM RW
Set 61 °F	Char. Steady	Corr. 28.72	3:30PM ~ 4:30PM RW-

	0700	1300	1900
R. H. 42 %	Clds. 1/10 Cirrost. N grad.	Clds.	Clds.
Ppn. Liq. 0.22 in.	Wx SUNNY Haze	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	Vis. 20 miles	Vis.	Vis.

24 hr. Mov.	Sea L.	3 hr. Tend.
126.4 miles	30.05	+0.5mb/

$\bar{F} = 68°F$

RANGE

$\bar{T} = 62°F$

$\bar{T}_d = 38°F$

$HDD = 0$

$\Sigma HDD = Missing$

$\Sigma PCN = 1.39"$

FRI., JULY 11, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 79 °F	Dir. S	Temp. 28.86"	RW- began 7:55AM * INACCURATE
Min. 60 °F	Vel. 2 m.p.h.	Read. 74°F	
Set 61 °F	Char. steady	Corr. 28.73"	
R. H. 47* %	24 hr. Mov. 78.9 miles	Sea L. 30.06"	
Ppn. Liq. Trace in.	Prev. Dir. SW	3 hr. Tend. +0.5mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx RW-	Wx	Wx
Vis. 10 miles	Vis.	Vis.

RAMOS

$T = 61°F$

$T_d = 40°F$?

$\Sigma PCN = 1.39"$

Saturday, July 12, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 64* °F	Dir. —	Temp. 72°	V's ~ 1500Z 2000Z (11TH) R ~ 0900Z (12TH)
Min. 59 °F	Vel. — m.p.h.	Read. 28.70	*TIES RECORD LOW MAX
Set 63 °F	Char. CALM	Corr. 28.57	

	0700	1300	1900
R. H. 95 %	Clds. OBSCURED	Clds.	Clds.
24 hr. Mov. 41 MI.	Wx FOG	Wx	Wx
Sea L. 29.88	Vis. 1 MI.	Vis.	Vis.
Ppn. Liq. 0.33 in.			
Prev. Dir. E			
3 hr. Tend. M			
Ppn. Sol. — in.			
Snow Depth — in.			
Observer FJG			

$\Sigma PCN = 1.39 + .33 = 1.72$

SUN., JULY 13, 1986

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 81 °F	Dir. SW	Temp. 80°F	9AM - 10AM (12th) RW -
Min. 63 °F	Vel. 5 m.p.h.	Read. 28.77	11:00 - 11:20AM (12th) RW -
Set 70 °F	Char. Steady	Corr. 28.63	3:15PM - 3:45PM (12th) RW -
R. H. 56 %	24 hr. Mov. 1254 mi	Sea L. 29.93	4:15AM - 6:45AM (13th) RW -
Ppn. Liq. 0.36 in.	Prev. Dir. SW	3 hr. Tend. +0.5mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx CLOUDY FOG, HAZE	Wx	Wx
Vis. 10 miles	Vis.	Vis.

RAMOS

$T = 70°F$

$T_J = 54°F$

$\Sigma PCN = 2.08$

MON JULY 14, 1986 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 80 °F	Dir. W	Temp. 81	FRONTAL PASSAGE ~ 7 PM
Min. 64 °F	Vel. 12 m.p.h.	Read. 28.82	
Set 67 °F	Char. STEADY	Corr. 28.67	
R. H. 42 %	24 hr. Mov. 183 m.	Sea L. 29.96	
Ppn. T Liq. in.	Prev. Dir. SW	3 hr. Tend. +.3 ^	
Ppn. — Sol. in.	Snow Depth — in.	Observer RMS	

0700	1300	1900
Clds. X/10 Cu	Clds.	Clds.
Wx SUNNY	Wx	Wx
Vis. 20 mi	Vis.	Vis.

Ramos Td = 12

EP = 2.08

TUESDAY JULY 15, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 80 °F	Dir. SW	Temp. 68 °F	HAZE TO EAST		
Min. 55 °F	Vel. 3 m.p.h.	Read. 28.99			
Set 60 °F	Char. ~	Corr. 28.88			
			0700	1300	1900
R. H. 49 %	24 hr. Mov. 157.8	Sea L. 30.22	Clds. 0/10	Clds.	Clds.
Ppn. Liq. ~ in.	Prev. Dir. W	3 hr. Tend. +.25 Hg	Wx M. SUNNY	Wx	Wx
Ppn. Sol. ~ in.	Snow Depth ~ in.	Observer HES	Vis. 10 Mi	Vis.	Vis.

$T_{RAMS} \rightarrow 58$

$T_{DRAMS} \rightarrow 39$

$\sum P_{CN} \rightarrow 2.08$

WED., JULY 16, 1996

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 81 °F	Dir. -	Temp. 68°F	RW - began 8:07 AM EDT (16)
Min. 60 °F	Vel. CALM m.p.h.	Read. 28.98"	
Set 62 °F	Char. -	Corr. 28.86"	

	0700	1300	1900
R. H. 51 %	24 hr. Mov. 53.1 miles	Sea L. 30.19"	Clds. 10/10	Clds.	Clds.
Ppn. 0 Liq. in.	Prev. Dir. W	3 hr. Tend. +0.5mb	Wx OVC FOG/HAZE	Wx	Wx
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer JGWX	Vis. 10	Vis.	Vis.

$T = 62°F$

$T_d = 43°F$?

$\Sigma PCN = 2.08"$

Thursday, July 17, 1986

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 69 °F	Dir. –	Temp. 69°F	Lt. Rain 8:07AM - 4PM occl Moderate TRW - 8:50AM - 9:15AM		
Min. 61 °F	Vel. CALM m.p.h.	Read. 28.94"			
Set 65 °F	Char. –	Corr. 28.82"			
			0700	1300	1900
R. H. M %	24 hr. Mov. 35.8 miles	Sea L. 30.14"	Clds. 10/10	Clds.	Clds.
Ppn. Liq. 0.92" in.	Prev. Dir. E	3 hr. Tend. -0.5mb ~	Wx OVC FOG	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	Vis. 2 miles	Vis.	Vis.

RAMOS

$T = M$

$T_d = M$

$\Sigma PCN = 3.00"$

Friday, July 18, 1986

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 80 °F	Dir. WSW	Temp. 70°F	RW - 3:30AM ~ 5AM Microbarograph (mb) clock stopped. Restarted at 8:00AM RAMOS inoperative Overnight low 72°F
Min. 65 °F	Vel. 4 m.p.h.	Read. 28.86"	
Set 74 °F	Char. Steady	Corr. 28.74"	
R. H. M %	24 hr. Mov. M	Sea L. 30.00"	
Ppn. Liq. 0.05" in.	Prev. Dir. M	3 hr. Tend. M	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	

0700	1300	1900
Clds. 8/10	Clds.	Clds.
Wx BKN CLDS FOG/HAZE	Wx	Wx
Vis. 8 miles	Vis.	Vis.

RAMUS

$\overline{T} = M$

$\overline{TJ} = M$

$\Sigma PCN = 3.05''$

Sat. July 19, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 91 °F	Dir. SW	Temp. 68	RW ~0500Z - 0800Z * TRW -
Min. 68 °F	Vel. 4 m.p.h.	Read. 28.78	
Set 68 °F	Char. -	Corr. 28.66	
R. H. 87 %	24 hr. Mov. 115mi	Sea L. 29.96	
Ppn. Liq. 0.13 in.	Prev. Dir. W	3 hr. Tend. -0.2mb ↓	
Ppn. Sol. — in.	Snow Depth — in.	Observer FJG	

0700	1300	1900
Clds. 7/10 Ac As Cu	Clds.	Clds.
Wx -	Wx	Wx
Vis. 20 mi	Vis.	Vis.

$\Sigma_{precip} = 3.18''$

Sunday, July 20, 1986 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 88 °F	Dir. –	Temp. 70°F	RW - (Lt. Sprinkle) 9:15 - 9:45P TRW - 4AM ~5AM ORNL TRW * RAMOS affected by TRW Microbarograph stopped. Restarted at 5:05 AM Also, TRK trace was ~3 hrs fast		
Min. 68 °F	Vel. CALM m.p.h.	Read. 28.74"			
Set 71 °F	Char. –	Corr. 28.62"			
			0700	1300	1900
R. H. * M %	24 hr. Mov. M *	Sea L. 29.92"	Clds. 10/10 Strat	Clds.	Clds.
Ppn. Liq. 0.41" in.	Prev. Dir. M *	3 hr. Tend. M –	Wx OVC HAZE	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWR	Vis. 10 miles	Vis.	Vis.

RAMOS

M

Σ PCN = 3.59"

MON. JULY 21, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 86 °F	Dir. ---	Temp. 78	SCATTERED FOG ESP. ALONG RIDGES VIOLENT TS WITH FREQ. LIGHTNING ALQDS ~ 3:30 - 4:30 PM. SCATTERED POWER OUTAGES		
Min. 65 °F	Vel. 0 m.p.h.	Read. 28.78			
Set 66 °F	Char. CALM	Corr. 28.65	0700	1300	1900
R. H. 90 %	24 hr. Mov. M	Sea L. 29.95	Clds. 7/10 Cu	Clds.	Clds.
Ppn. Liq. .15 in.	Prev. Dir. SW	3 hr. Tend. +1.7MB	Wx HAZE	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer RMS	Vis. 10 M;	Vis.	Vis.

RAMOS Td = 57

ΣP = 3.74

TUESDAY JULY 22, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 84 °F	Dir. N	Temp. 68 °F	HEAVY FOG ALL QUADS
Min. 60 °F	Vel. 0 m.p.h.	Read. 28.93	
Set 61 °F	Char. CALM	Corr. 28.82	
R. H. 84 %	24 hr. Mov. 39 MI	Sea L. 29.15	
Ppn. Liq. ~ in.	Prev. Dir. N	3 hr. Tend. +1.0 MB	
Ppn. Sol. ~ in.	Snow Depth ~ in.	Observer [illegible]	

0700	1300	1900
Clds. 10/10	Clds.	Clds.
Wx HEAVY FOG	Wx	Wx
Vis. 3/4 MI	Vis.	Vis.

$T_{RAMOS} \rightarrow 62$

$T_{D\,RAMOS} \rightarrow 57$

$P_{CN} \rightarrow 0.00"$

$\Sigma P_{CN} \rightarrow 3.14"$

Wed., July 23, 1986

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 85 °F	Dir. NNE	Temp. 69°F	FOG all quads		
Min. 61 °F	Vel. 6 m.p.h.	Read. 29.09"			
Set 67 °F	Char. Light	Corr. 28.97"			
R. H. 84 %	24 hr. Mov. 49.4 miles	Sea L. 30.29"	0700	1300	1900
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +1.5mb	Clds. 10/10 -X	Clds.	Clds.
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	Wx FOG/HAZE	Wx	Wx
			Vis. 2 miles	Vis.	Vis.

RAMOS

$T = 67°F$

$T_d = 63°F$

$\Sigma PCN = 3.74''$

Thursday, July 24, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 83 °F	Dir. –	Temp. 69°F			
Min. 66 °F	Vel. CALM m.p.h.	Read. 29.04"			
Set 70 °F	Char. –	Corr. 28.92"			
			0700	1300	1900
R. H. 75 %	24 hr. Mov. 61.9	Sea L. 30.23"	Clds. 1/10 Cu	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. E	3 hr. Tend. +1mb ↑	Wx HAZE SUNNY	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	Vis. 4 miles	Vis.	Vis.

RAMOS

$T = 71°F$

$T_d = 63°F$

$\Sigma PCN = 3.74"$

Friday, July 25, 1986

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 86 °F	Dir. S	Temp. 70°F			
Min. 70 °F	Vel. 6 m.p.h.	Read. 28.92"			
Set 73 °F	Char. Light	Corr. 28.80"			
			0700	1300	1900
R. H. 78 %	24 hr. Mov. 153.1 miles	Sea L. 30.11"	Clds. 10/10	Clds.	Clds.
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +0.3mb	Wx OVC HAZE	Wx	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JGWK	Vis. 3 miles	Vis.	Vis.

RAMOS

$T = 73$

$T_d = 66$

$\Sigma PCN = 3.74$

Sat. July 26, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 86 °F	Dir. SW	Temp. 69°			
Min. 72 °F	Vel. 3 m.p.h.	Read. 28.82			
Set 73 °F	Char. —	Corr. 28.70			
R. H. 84 %	24 hr. Mov. 100 mi	Sea L. 30.00	0700	1300	1900
Ppn. Liq. 0.02 in.	Prev. Dir. S	3 hr. Tend. +0.3mb	Clds. 10/10 St	Clds.	Clds.
Ppn. Sol. — in.	Snow Depth — in.	Observer FJG	Wx —	Wx	Wx
			Vis. 2½ mi	Vis.	Vis.

Sunday July 27, 1986 — 0700 EST — Meteorological Observatory, University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 84 °F	Dir. —	Temp. 68°F			
Min. 64 °F	Vel. — m.p.h.	Read. 28.83			
Set 66 °F	Char. CALM	Corr. 28.72			
			0700	1300	1900
R. H. 81 %	24 hr. Mov. 84 mi.	Sea L. 30.03	Clds. 3/10	Clds.	Clds.
Ppn. Liq. .09 in.	Prev. Dir. SW	3 hr. Tend. +0.0mb	Wx —	Wx	Wx
Ppn. Sol. — in.	Snow Depth — in.	Observer RLB	Vis. 4 mi.	Vis.	Vis.

$P_{TOTAL} = 3.85$

Mon. July 28, 1986 0700 EST

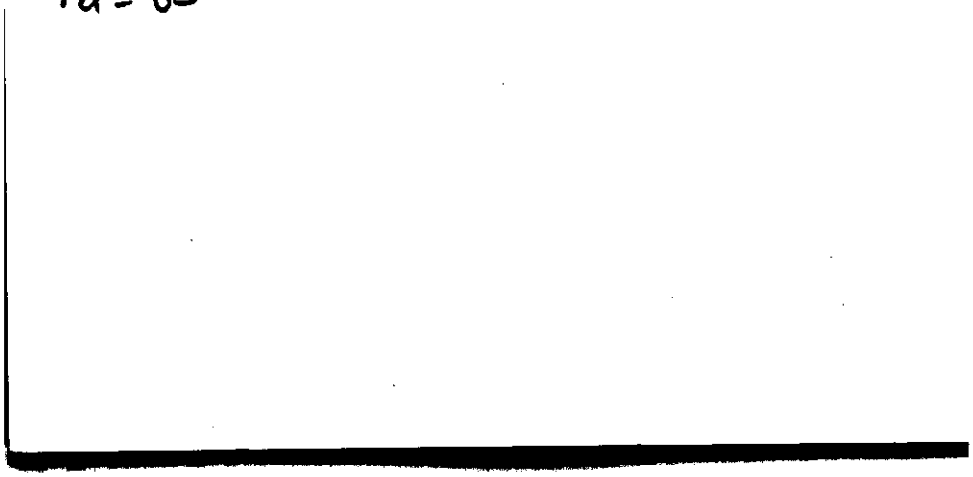
Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 85 °F	Dir. —	Temp. 69	BREAKS OVERHEAD
Min. 66 °F	Vel. 0 m.p.h.	Read. 28.69	
Set 68 °F	Char. CALM	Corr. 28.57	
R. H. 95 %	24 hr. Mov. 52	Sea L. 29.86	
Ppn. — Liq. in.	Prev. Dir. N	3 hr. Tend. -.5 V	
Ppn. — Sol. in.	Snow Depth — in.	Observer RMS	

0700	1300	1900
Clds. 9/10	Clds.	Clds.
Wx FOG	Wx	Wx
Vis. 1 MILE	Vis.	Vis.

$\Sigma P = 3.85$

$Td = 65$



[illegible] 29, 1986 — 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.
Max. [illegible] °F	Dir. [illegible]	Temp. [illegible]
Min. 66 °F	Vel. 0 m.p.h.	Read. [illegible]
Set 68 °F	Char. CALM	Corr. 28.40
R. H. NA %	24 hr. Mov. [illegible]	Sea L. [illegible]
Ppn. Liq. 0.01 in.	Prev. Dir. [illegible]	3 hr. Tend. [illegible]
Ppn. Sol. [illegible] in.	Snow Depth in.	Observer [illegible]

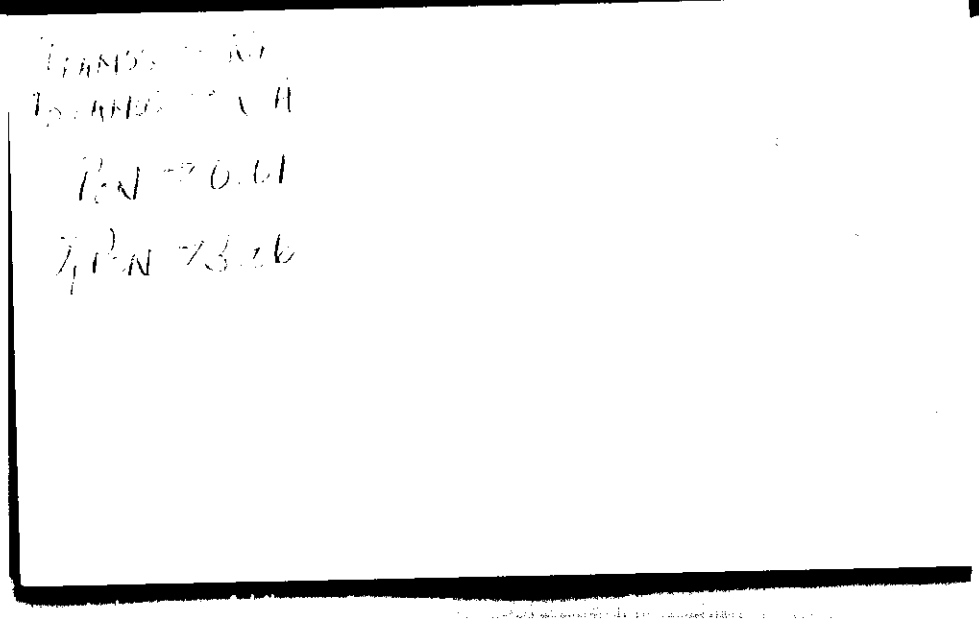
General Obs.

RAIN [illegible]

Sun [illegible]

[illegible]

	0700	1300	1900
Clds.	1/10		
Wx	FOG		
Vis.	3/4 mi		

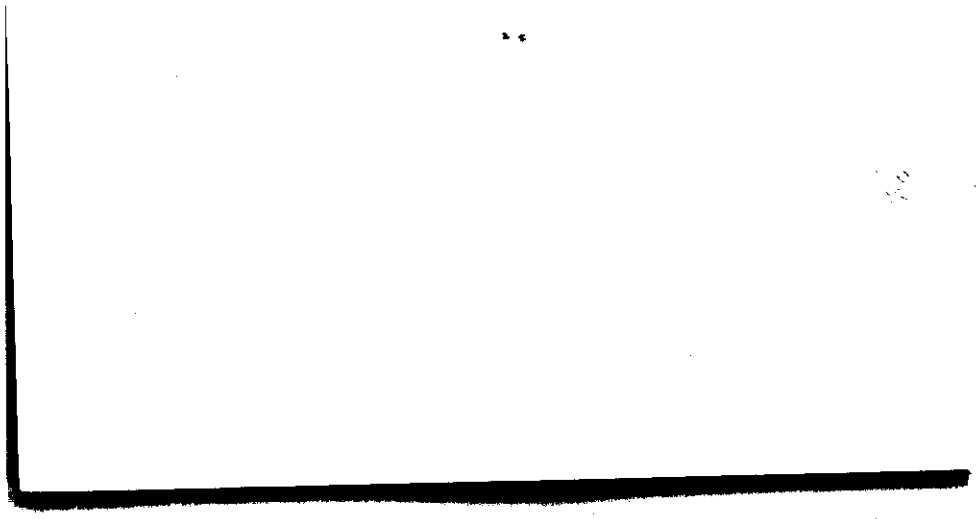

$P_N = 0.01$
$\lambda_1 P_N = 3.6$

WED JULY 30, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.		
Max. 82 °F	Dir. W	Temp. 69			
Min. 64 °F	Vel. 8 m.p.h.	Read. 28.69			
Set 66 °F	Char. STEADY	Corr. 28.59			
R. H. 67 %	24 hr. Mov. (W?	Sea L. 29.89	0700 A.M.	1300 P.M.	1900 P.M.
Ppn. Liq. - in.	Prev. Dir. 161 Mi.	3 hr. Tend. +.6 mb	Clds. 9/10 STR	Clds.	Clds. 1/10 TCU
Ppn. Sol. - in.	Snow Depth - in.	Observer RMS	Wx OVC	Wx	Wx MOD. RAIN
			Vis. 20 M.	Vis.	Vis. 1 Mi.

$\Sigma P = 3.86$



Thursday July 31, 1986 0700 EST

Meteorological Observatory
University Park, Pa.

Temp.	Wind	Barom.	General Obs.
Max. 76 °F	Dir. N	Temp. 68°F	MODERATE ↑ ~ 3 PM ON JULY 30
Min. 62 °F	Vel. 4 m.p.h.	Read. 28.79	
Set 64 °F	Char. —	Corr. 28.68	
R. H. 75 %	24 hr. Mov. 95 mi.	Sea L. 29.99	
Ppn. Liq. .29 in.	Prev. Dir. W	3 hr. Tend. +1.0 mb ↑	
Ppn. Sol. — in.	Snow Depth — in.	Observer RLB	

0700	1300	1900
Clds. 2/10	Clds.	Clds.
Wx —	Wx	Wx
Vis. 5 mi.	Vis.	Vis.

$\Sigma P = 4.15$