

Wednesday 1 October 1997

Meteorological University Park, PA

0700 EST

General Obs.

Temp.		Wind		Barom.		- SHRA ~1220-1220 LT - SHRA (ocul SHRA) 1405-1435 - SHRA 1700-1725					
Max.	62 °F	Dir.	N	Temp.	69 °F						
Min.	52 °F	Vel.	6 m.p.h.	Read.	28.6 in.						
Set	52 °F	Char.	Light	Corr.	28.54 in.	0700	1300	1900			
R.H.	77 %	24 hr. Mov.	M mi.	Sea L. <sup>1-3 r</sup>	29.89 in.	Clds.	9/10 sc	Clds.	1/10 cu	Clds.	8/10
Ppn.	0 in.	Prev. Dir.	W	3 hr. Tend.	+2.9 mb	Wx	Neat clouds	Wx	bright & cool	Wx	brrr!
Ppn.	— in.	Snow Depth	— in.	Observer	EMB	Vis.	20 mi.	Vis.	25 mi.	Vis.	25 mi.

$\sum H_{00} \neq$   
 $\sum C_{00} 0$   
 $\sum H_{00} \neq$   
 $\sum C_{00} 0$   
 $\sum Pen .10$

$T_w - 51$   
 $T_d - 48$

Thursday 2, October 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	55 °F	Dir.	-	Temp.	66 °F	Widespread Killing Frost		
Min.	35 °F	Vel.	0 m.p.h.	Read.	28.92 in.			
Set	36 °F	Char.	Calm	Corr.	28.91 in.			
R.H.	82 %	24 hr. Mov.	35 mi.	Sea L.	30.12 in.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	NW	3 hr. Tend.	+1.0 mb	Clds. Ci 0/10 contrails	Clds. Ac 3/0 Cc Cz	Clds. Ac 7/10 Sc
Ppn.	- in.	Snow Depth	- in.	Observer	JMJ	Wx Sundogs! chilly	Wx Leaves Changing	Wx chilly.
						Vis. ~25 mi.	Vis. 25 mi.	Vis. 25 mi.

T 45  
HDD 20  
 $\Sigma$  HDD 28  
 $\Sigma$  PCNL .10"

TUNV 35/32 TW 39  
TRAVNUS 33/22 TD 36

Friday 3 October 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind		Barom.	General Obs.			
Max.	60 °F		Dir.	S		Temp.	XOVNT LOW 45 -SHRA ~ 030 LT		
Min.	36* °F		Vel.	2 m.p.h.		Read.	28.90 in.		
Set	46 °F		Char.	light.		Corr.	28.78 in.		
R.H.	97 %		24 hr. Mov.	10 mi.		Sea L.	30.20 in.		
Ppn.	T in.		Prev. Dir.	SSW		3 hr. Tend.	+0 mb		
Ppn.	/ in.		Snow Depth	/ in.		Observer	MSK		
						0700	1300	1900	
						Clds.	Sc 8/10	Sc 7/10	Sc 9/10
						Wx	nippy.	mild	fine
						Vis.	25 mi.	25 mi.	25 mi.

1 48

$C_{DD} = 0$

$H_{DD} = 17$

$\Sigma C_{DD} 0$

$\Sigma H_{DD} 45$

$PCNL 0$

$\Sigma PCNL 10$

Tramos 44/31

Tuv. 46/41

$T_w 50.5$

$T_d 46$

Saturday 4 October 1907

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	65 °F	Dir.	NW	Temp.	68 °F	FOUNT LOW 49		
Min.	46 * °F	Vel.	1 m.p.h.	Read.	28.78 in.			
Set	51 °F	Char.	light	Corr.	28.67 in.	0700	1300	1900
R.H.	86 %	24 hr. Mov.	26 mi.	Sea L.	30.02 in.	Clds. Ac	Clds.	Clds. Sc 9/10 Ac
Ppn.	/	Liq.	in.	Prev. Dir.	SSW	3 hr. Tend.	Wx	Wx warm and sticky for October
Ppn.	/	Sol.	in.	Snow Depth	/	Observer	Vis.	Vis.
						AJD	25 mi.	25 mi.

T 50  
HDD 9  
CDD 0  
 $\Sigma$ HDD 0  
 $\Sigma$ CDD 54  
 $\Sigma$ PCN<sub>L</sub> 0.10

TUND 51/48  
TRAMOS 50/38

T<sub>w</sub> 52  
T<sub>d</sub> 50



Sunday October 5 1997 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. 78 °F	Dir. NNE	Temp. 70 °F	* ONVT LOW 63				
Min. 51 <sup>4</sup> °F	Vel. 2 m.p.h.	Read. 28.86 in.	** Cirrus Dist W Nice Crescent Moon!				
Set 65 °F	Char. light	Corr. 28.75 in.	0700	1300	1900		
R.H. 94 %	24 hr. Mov. 32 mi.	Sea L. 30.16 in.	Clds. AC 9/10	Clds.	Clds. ci 2/10		
Ppn. 0 in.	Liq. in.	Prev. Dir. SW	3 hr. Tend. +2 mb	Wx feels like a July morning	Wx	Wx looks like the beach? WARM & HAZY	
Ppn. / in.	Sol. in.	Snow Depth / in.	Observer MSK	Vis. ~20 mi.	Vis. mi.	Vis. mi.	

$\bar{T}$  65  
 $C_{DO}$  0  
 $H_{DO}$  0  
 $\Sigma C_{DO}$  0  
 $\Sigma H_{DO}$  54  
 $\Sigma PCW_L$  10

Monday October 6 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. SW	Temp. 72 °F			
Min.	62 °F	Vel. 10 m.p.h.	Read. 28.97 in.			
Set	64 °F	Char. Lt. Breeze	Corr. 28.84 in.	0700	1300	1900
R.H.	76 %	24 hr. Mov. M mi.	Sea L. 30.18 in.	Clds. H <sub>2</sub> 0/10	Clds. CLR	Clds. 10/10
Ppn.	0 in.	Prev. Dir. WSW	3 hr. Tend. -1.1 mb	Wx Another warm/hazy day ahead	Wx HAZE	Wx Hazy
Ppn.	Sol. in.	Snow Depth in.	Observer EMB	Vis. 10 mi.	Vis. 8 mi.	Vis. ~10 mi.

$\bar{T}$  70  
 $C_{p0}$  5  
 $\Sigma C_{p0}$  5  
 $\Sigma h_{p0}$  54  
 $\Sigma P_{cyl}$  .10"

TRAMOS 63/48  
TURV 63/56

$T_w$  61  
 $T_d$  58

TUESDAY, OCTOBER 7 1997

0700 EST

Meteorological Observatory  
University Park, PA

General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. SW	Temp. 72 °F			
Min.	59 °F	Vel. 2 m.p.h.	Read. 29.06 in.			
Set	62 °F	Char. LIGHT N STAGGY	Corr. 28.93 in.	0700	1300	1900
R.H.	87 %	24 hr. Mov. N mi.	Sea L. 30.26 in.	Clds. CLR	Clds. 4/10 CU	Clds. 8/10 AC
Ppn. Liq.	0.00 in.	Prev. Dir. WSW	3 hr. Tend. HAY mb	Wx HAZE	Wx HAZY, HOT, HUMID	Wx HAZY / WARM / HAZY
Ppn. Sol.	0 in.	Snow Depth - in.	Observer WJS	Vis. 7 mi.	Vis. 7 mi.	Vis. 3 mi.

$\Sigma = 11$   
 $B_n = 6$   
 $\Sigma C_{ij} = 11$   
 $\Sigma H_{20} = 54$   
 $\Sigma A_{20} = .10$

Traves 61/48  
TJND 59/55

$T_w = 63$   
 $T_o = 61$

Wednesday, October 8 1977

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	80 °F	Dir.	—	Temp.	72 °F			
Min.	56 °F	Vel.	0 m.p.h.	Read.	29.13 in.			
Set	58 °F	Char.	Calm	Corr.	29.00 in.	0700	1300	1900
R.H.	100 %	24 hr. Mov.	M mi.	Sea L.	30.35 in.	Clds. 9/10 X	Clds. 1/10 cu	Clds. 9/10
Ppn.	0.00 in.	Prev. Dir.	W	3 hr. Tend.	10.0 mb	Wx Dense Fog CAL BRICK	Wx Hazy	Wx mild
Ppn.	— in.	Snow Depth	— in.	Observer	EMB	Vis. 1/16 mi.	Vis. 10 mi.	Vis. 10 mi.

$$\bar{T} = 68$$

$$C_{010} = 3$$

$$E_{H10} = \text{[scribble]} 54$$

$$Z_{C00} = \text{[scribble]} 14$$

$$E_{perL} = \text{[scribble]} 10$$

$$T_{uvv} 57/56$$

$$T_{RMS} 56/45$$

$$T_w = 58$$

$$\bar{T}_d = 58$$



Thursday, October 9, 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max.	79 °F	Dir.	--	Temp.	73 °F						
Min.	57 °F	Vel.	0 m.p.h.	Read.	29.12 in.						
Set	58 °F	Char.	calm	Corr.	28.99 in.	0700	1300	1900			
R.H.	94 %	24 hr. Mov.	17 mi.	Sea L.	30.34 in.	Clds.	4110 Ac	Clds. Cu 2/10	Clds. Cu 4/10 Sc		
Ppn.	0 in.	Prev. Dir.	SSW	3 hr. Tend.	+0.2 mb	Wx	thick Haze	Wx	significant Warm/H.H.	Wx	humid
Ppn.	0 in.	Snow Depth	- in.	Observer	JMJ	Vis.	5 mi.	Vis.	7 mi.	Vis.	20 mi.

$\bar{T}$  68

CDD 3

HDD 0

$\Sigma$  CDD 17

$\Sigma$  HDD 54

$\Sigma$  PCNL .10

Trans 58/47 Tw 59

Turn 56/54 TD 58

Friday October 10 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 81 °F	Dir. SSW	Temp. 73 °F	*OVNIT LOW 64 -SHRA ~ 300 LT			
Min. 58* °F	Vel. 3 m.p.h.	Read. 29.06 <sub>in.</sub>				
Set 64 °F	Char. light.	Corr. 28.93 <sub>in.</sub>	0700	1300	1900	
R.H. 84 %	24 hr. Mov. 33 mi.	Sea L. 20.28	Clds. Cu 3/10	Clds. 0/10	Clds. 9/10	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +2 mb	Wx Haze and quite warm.	Wx Spectacular FOOTBALL Wx!	Wx Clear and breezy	
Ppn. Sol. / in.	Snow Depth / in.	Observer MSK	Vis. ~15 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\bar{T}$  70

$C_{DD}$  5

$H_{DD}$  0

$\Sigma C_{DD}$  27

$\Sigma H_{DD}$  54

$\Sigma PCNL$  .10

TRAMOS 64/50

TW 63

TUNV. 65/58

Td 61

Saturday 10 October 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max.	78 °F	Dir.	-	Temp.	69 °F						
Min.	41 °F	Vel.	0 m.p.h.	Read.	28.98 in.						
Set	42 °F	Char.	calm	Corr.	28.87 in.	0700	1300	1900			
R.H.	79 %	24 hr. Mov.	M mi.	Sea L.	30.27 in.	Clds.	0/10	Clds. ci	1/10	Clds.	0/10
Ppn.	/ in.	Prev. Dir.	W	3 hr. Tend.	+1.5 mb	Wx	cool and crisp	Wx	wonderful	Wx	clear and cool
Ppn.	/ in.	Snow Depth	/ in.	Observer	AJD	Vis.	25 mi.	Vis.	25 mi.	Vis.	25 mi.

$\bar{T}$  60

$H_{DD}$  5

$C_{DD}$  0

$\Sigma H_{DD}$  59

$\Sigma C_{DD}$  22

$\Sigma PCN_L$  0.10

$T_{RAMOS}$  42/27

$T_{UNV}$  41/30

$T_w$  41

$T_d$  35

Sunday 12 October 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	63 °F	Dir.	-	Temp.			
				67 °F			
Min.	39 °F	Vel.	0 m.p.h.	Read.			
				29.98 in.			
Set	40 °F	Char.	calm	Corr.			
				29.87 in.	0700	1300	1900
R.H.	93 %	24 hr. Mov.	4 mi.	Sea L.	Clds.	Clds.	Clds.
				30.26 in.	9/10 X		1/10 Ci
Ppn.	Liq. / in.	Prev. Dir.	NNE	3 hr. Tend.	Wx Dense Valley Fog Contrails	Wx	Wx Another Fall Spectacle
				- + 0 mb			
Ppn.	Sol. / in.	Snow Depth	/ in.	Observer	Vis.	Vis.	Vis.
				AJD	2 mi.	mi.	10 mi.

$\bar{T}$  51

$H_{DD}$  14

$C_{DD}$  0

$\Sigma H_{DD}$  73

$\Sigma C_{DD}$  22

$\Sigma PCN_L$  0.10

$T_{RAMOS}$  39/27

$T_{UNV}$  34/36

$T_w$  43

$T_d$  42



Monday 13 October 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. 70 °F	Dir. —	Temp. 70 °F	OVNT LOW 49F				
Min. 38 °F	Vel. 0 m.p.h.	Read. 29.02 in.					
Set 49 °F	Char. Calm	Corr. 29.90 in.	0700	1300	1900		
R.H. 80 %	24 hr. Mov. 21 mi.	Sea L. 30.27 in.	Clds. Ci 1/10	Clds. 0/10	Clds. 4/10 Sc		
Ppn. Liq. 0.00 in.	Prev. Dir. S	3 hr. Tend. 10.5 mb	Wx Dense Valley Fog W-side Mts. Obscured	Wx light haze	Wx Still mild & breezy		
Ppn. Sol. — in.	Snow Depth — in.	Observer EMB	Vis. 1/2 NE-E 3 mi.	Vis. 15 mi.	Vis. 10 mi.		

F 54

T Ramos 48/37

T<sub>w</sub> 49

H<sub>00</sub> 11

T<sub>uvv</sub> 46/43

T<sub>d</sub> 40  
40

$\Sigma H_{00}$  84

$\Sigma C_{00}$  22

$\Sigma PCN_L$  .10

Tuesday 14 October 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	73 °F	Dir. SW	Temp. 72 °F	* ovr low 58°F		
Min.	49* °F	Vel. 1 m.p.h.	Read. 28.92 in.			
Set	60 °F	Char. light	Corr. 28.79 in.	0700	1300	1900
R.H.	82 %	24 hr. Mov. 31 mi.	Sea L. 30.12 in.	Clds. 6/10 AC SC	Clds. AS 10% SC	Clds. AS 10%
Ppn.	Liq. - in.	Prev. Dir. SE	3 hr. Tend. +1.0 mb	Wx some fog/haze	Wx TURNING Cooler/breezy	Wx Nice sunset/ few breaks
Ppn.	Sol. - in.	Snow Depth - in.	Observer JMJ	Vis. 10 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$  61

Tramos 59/45

$T_w$  59

HDD 4

Tuvv 59/55

$T_d$  57

$\Sigma$  HDD 88

$\Sigma$  CDD 22

$\Sigma$  PCNL -10



Wednesday 15 October 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	63 °F	Dir.	NW	Temp.	60 °F	OCNL - DRizzle - 1200 LT COLD FRONT - 1100 LT		
Min.	44 °F	Vel.	2 m.p.h.	Read.	29.10 in.			
Set	46 °F	Char.	Light	Corr.	28.98 in.			
R.H.	70 %	24 hr. Mov.	21 mi.	Sea L.	30.36 in.	0700	1300	1900
Ppn.	0.02 in.	Prev. Dir.	W	3 hr. Tend.	1 + .6 mb	Clds. As 2/10 Ac	Clds. cu 2/10 cs	Clds. ci 0/10
Ppn.	— in.	Snow Depth	— in.	Observer	EMB	Wx Clear c/cy Sharp old kn. NW-SW / Valley Fog	Wx Refreshing	Wx Bright moon
						Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$  54

$H_{00}$  11

$\Sigma H_{00}$  99

$\Sigma C_{00}$  22

$\Sigma P_{C_{02}}$  0.12

$T_{\text{Ramos}}$  44/29

$T_{\text{UV}}$  46/36

$T_w$  44

$T_d$  39

Thursday 16 October 1997

0600 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	60 °F	Dir.	SW	Temp.			
				67 °F			
Min.	36 °F	Vel.	2 m.p.h.	Read.			
				29.13 in.			
Set	37 °F	Char.	light	Corr.			
				29.01 in.			
R.H.	82 %	24 hr. Mov.	10 mi.	Sea L.	0700	1300	1900
				30.42 in.	Clds. 0/10 Coudrais	Clds. 2/10 ci	Clds. 2/10 ci
Ppn.	0 in.	Prev. Dir.	WNW	3 hr. Tend.	Wx very light fog	Wx A chilling wind G20	Wx cold.
				1+0.2 mb			
Ppn.	- in.	Snow Depth	- in.	Observer	Vis.	Vis.	Vis.
				JMJ	25 mi.	25 mi.	25 mi.

$\bar{T}$  48

HDD 17

$\Sigma$  HDD 116

$\Sigma$  CDD 22

$\Sigma$  PCNL 0.12

Tramos 39/24

Tuv 38/32

Tw 37

Td 34



Friday October 17 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	58 °F	Dir.	E	Temp.	66 °F	* Based on UNW obs.		
Min.	31 °F	Vel.	1 m.p.h.	Read.	29.08 in.			
Set	32 °F	Char.	light	Corr.	30.38 in.	0700	1300	1900
R.H.	82%*	24 hr. Mov.	12 mi.	Sea L.	28.97 in.	Clds. C: 2/10 St.	Clds. Ac 10 As	Clds. % 9/10
Ppn.	0 in.	Prev. Dir.	NE	3 hr. Tend.	4.5 mb	Wx really cold.	Wx nice	Wx chilly
Ppn.	/ in.	Snow Depth	/ in.	Observer	MSK	Vis.	25 mi.	25 mi.
						Vis.	25 mi.	25 mi.

$\bar{T}$  45

$H_{DD}$  20

$C_{DD}$  0

$\Sigma C_{DD}$  22

$\Sigma H_{DD}$  136

$\Sigma PCN_L$  0.12

$T_{vamos}$  32/18

$T_{unv.}$  33/28

$T_w$  -

$T_d$  -

Saturday 18 October 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.			
Max.	56 °F	Dir.	-	Temp.	Overnight low of 35			
				65 °F				
Min.	32 * °F	Vel.	0 m.p.h.	Read.				29.03 in.
Set	35 °F	Char.	calm	Corr.	28.93 in.			
R.H.	93 %	24 hr. Mov.	1 mi.	Sea L.	30.32 in.	0700	1300	1900
						Clds.	Clds.	Clds. Ac 3/10 As
Ppn.	/ in.	Prev. Dir.	N	3 hr. Tend.	+0.6 mb	Wx	Wx	Wx Slight Chill
						Pristine		
Ppn.	/ in.	Snow Depth	/ in.	Observer	AJD	Vis.	Vis.	Vis. 25 mi.
						10 mi.	mi.	

$\bar{T}$  44

TRAMOS 35/21

$T_w$  37

HDD 21

TUNV 35/31

$T_d$  36

$\Sigma$ HDD 157

$\Sigma$ CDD 22

$\Sigma$ PCWL 0.12

Sunday October 19 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	60 °F	Dir. calm	Temp. 65 °F			
Min.	34 °F	Vel. / m.p.h.	Read. 28.82			
Set	38 °F	Char. /	Corr. 28.71 in.	0700	1300	1900
R.H.	75 %	24 hr. Mov. / mi.	Sea L. 30.10 in.	Clds. Ci 4/10	Clds.	Clds. 0/10
Ppn. Liq.	/ in.	Prev. Dir. W	3 hr. Tend. +0.0 mb	Wx cold.	Wx	Wx clear, calm, and calm
Ppn. Sol.	/ in.	Snow Depth / in.	Observer MSK	Vis. 25 mi.	Vis. / mi.	Vis. 10 mi.

$\bar{T}$  47

$\bar{T}$  vamos 34/23

$T_w$  33

$C_{DD}$  0

$T_{unv}$  36/30

$T_d$  29

$H_{DD}$  18

$\Sigma C_{DD}$  22

$\Sigma H_{DD}$  175

$\Sigma PCNL$  0.12.

Monday October 20 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 59 °F	Dir. W	Temp. 65 °F	#OVNT LOW 40			
Min. *38 °F	Vel. 3 m.p.h.	Read. 28.7 in.				
Set 41 °F	Char. Light	Corr. 28.66 in.	0700	1300	1900	
R.H. 71 %	24 hr. Mov. 6 mi.	Sea L. 30.04 in.	Clds. Ac 5/10	Clds. Cu 8/10	Clds. Sc 1/10	
Ppn. 0 in.	Liq. in.	Prev. Dir. W	3 hr. Tend. + .5 mb	Wx A cold haze	Wx Cool	Wx Winter is coming
Ppn. — in.	Sol. in.	Snow Depth in.	Observer EMB	Vis. 7 mi.	Vis. ~25 mi.	Vis. 25 mi.

T 49

Hoo 16

$\Sigma$  Hoo 191

$\Sigma$  COO 22

$\Sigma$  PCNL 0/2"

T RAMOS 40/27

T UNV 44/37

T<sub>w</sub> = 42

T<sub>d</sub> = 37



Tuesday 21 October 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind		Barom.		General Obs.			
Max.	58 °F	Dir.	WNW	Temp.	69 °F					
Min.	32 °F	Vel.	1 m.p.h.	Read.	28.85 in.					
Set	34 °F	Char.	light	Corr.	28.73 in.	0700	1300	1900		
R.H.	67 %	24 hr. Mov.	42 mi.	Sea L.	30.13 in.	Clds. Cs 7/10 st	Clds. Cu 5/10 As Cs	Clds. Ac 6/10		
Ppn.	0 in.	Prev. Dir.	NN	3 hr. Tend.	1-0.8mb	Wx crisp	Wx A Fall slice of rice	Wx A tad nippy		
Ppn.	- in.	Snow Depth	- in.	Observer	JMJ	Vis. 25 mi.	Vis. 25 mi.	Vis. 10 mi.		

$\bar{T}$  45

Tramos 35/17  
Turno 34/25

$T_w$  34  
 $T_d$  20

HDD 20

$\Sigma$  HDD 211

$\Sigma$  CDD 22

$\Sigma$  PCNL 0.12"

Wednesday October 22 1957

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	53 °F	Dir.	SW	Temp.	70 °F	Coco FroPA ≈ 2330 LT		
Min.	33 °F	Vel.	6 m.p.h.	Read.	28.80 in.			
Set	35 °F	Char.	Lt. breeze	Corr.	28.68 in.	0700	1300	1900
R.H.	79 %	24 hr. Mov.	46 mi.	Sea L.	30.09 in.	Clds. SC 8/10	Clds. Cu 10/10 BINOC	Clds. Cu BINOC
Ppn.	0 in.	Prev. Dir.	WSW	3 hr. Tend.	1.7 mb	Wx Bitterly Cold	Wx -65	Wx brrr!
Ppn.	— in.	Snow Depth	— in.	Observer	EMB	Vis.	25 mi.	25 mi.

$\bar{T}$  43

$N_{00}$  22

$\sum_{00}$  233

$\sum P_{CN}$  0.12"

$\sum C_{20}$  22

$T_{un}$  32/25

$T_{rms}$  32/24

$\bar{T}_w$  33

$T_d$  31

Thursday 23 October 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 42 °F	Dir. SW	Temp. 70 °F		-SHSN 10 <sup>10</sup> → FIRST OF SEASON		
Min. 27 °F	Vel. 1 m.p.h.	Read. 28.90 in.		-SHSN 1245-1300 -GS 1400-1405 *TES RECORD MIN/MAR (1976)		
Set 29 °F	Char. light	Corr. 28.76 in.		0700	1300	1900
R.H. 75 %	24 hr. Mov. 43 mi.	Sea L. 30.18 in.		Clds. AC 4/10 SC	Clds. Cu 4/10	Clds. Cu 5/10 AC
Ppn. T in.	Liq. in.	Prev. Dir. W	3 hr. Tend. 1+0.2mb	Wx cold!	Wx Blustery Frigid	Wx cold!
Ppn. T in.	Sol. in.	Snow Depth 0 in.	Observer JMJ	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$  35

HDD 30

$\Sigma$  HDD 263

$\Sigma$  COD 22

$\Sigma$  PCN<sub>L</sub> 0.12"

PCN<sub>S</sub> T

$\Sigma$  PCN<sub>S</sub> T

Tunv 32/25

Tramos 27/8

T<sub>w</sub> —

T<sub>d</sub> 25



$I = 38$   
HDD 27  
COD 0  
 $\sum$  HDD 290  
 $\sum$  COD 22  
 $\sum$  PCWL 0.12  
 $\sum$  PCWS = T

$\overline{T_{ramos}} 34/16$   $T_w 34$   
 $T_{UNV} 37/27$   $T_d 30$



Saturday 25 October 1997 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.							
Max.	55 °F	Dir.	-	Temp.	70 °F	*Overnight low of 44 -RA 1700LT - 0600LT							
Min.	36* °F	Vel.	0 m.p.h.	Read.	28.88 in.								
Set	44 °F	Char.	calm	Corr.	28.77 in.								
R.H.	100 %	24 hr. Mov.	8 mi.	Sea L.	30.14 in.	Clds.	5b 10/10	1300	Clds.	7/10 sc	1900	Clds.	st sc
Ppn.	0.26 in.	Liq.		Prev. Dir.	ESE	3 hr. Tend.	✓ +.8 mb	Wx	Glamy	Wx		Wx	just OKAY.
Ppn.	0 in.	Sol.		Snow Depth	0 in.	Observer	AJD	Vis.	~ 3 mi.	Vis.		Vis.	~ 10 mi.

$\bar{T}$  45

$H_{DD}$  29

$\Sigma H_{DD}$  309

$\Sigma C_{DD}$  22

$\Sigma PCN_L$  0.38

$\Sigma PCN_S$  T

$T_{RAMOS}$  43/31

$T_{UNV}$  44/39

$T_w$  42

$T_a$  42

Sunday October 26 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	47°F	Dir. calm	Temp. 70°F			
Min.	36°F	Vel. / m.p.h.	Read. 29.00 in.			
Set	36°F	Char. calm	Corr. 28.87 in.	0700	1300	1900
R.H.	96%	24 hr. Mov. 7 mi.	Sea L. 30.31 in.	Clds. 9/10 SC Ac	Clds. 10/10	Clds. 10/10 NS SE
Ppn. Liq.	0.04 in.	Prev. Dir. N	3 hr. Tend. +.1 mb	Wx <del>chilly</del>	Wx	Wx raw -DE
Ppn. Sol.	0 in.	Snow Depth / in.	Observer MSK	Vis. 25 mi.	Vis. mi.	Vis. 6 mi.

$\bar{T}$  42

Tramos 35/20

$T_w$  33

HDD 23

T unv. 34/29

$T_d$  30

CDD 0

$\Sigma$  HDD 332

$\Sigma$  CDD 22

$\Sigma$  PCN<sub>L</sub> 0.42

$\Sigma$  PCN<sub>S</sub> T

MONDAY 27 OCTOBER 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	46 °F	Dir. SW	Temp. 70 °F	* DUNT TEMP LO 40'S OCNL -RA + -0.2" @ 1100 LT - 0500		
Min.	36 * °F	Vel. 22-30 m.p.h.	Read. 28.35 in.			
Set	44 °F	Char. FRESH	Corr. 28.23 in.	0700	1300	1900
R.H.	93 %	24 hr. Mov. 30 mi.	Sea L. 29.57 in.	Clds. SE 4/10 sc cc	Clds. sc 9/10 cu st	Clds. B/NOVC st cu
Ppn.	Liq. -0.22 in.	Prev. Dir. SE	3 hr. Tend. ↓ +.5 mb	Wx Clearing Out!! Sun!! Windy	Wx breaking clouds	Wx winter chill
Ppn.	Sol. — in.	Snow Depth 0 in.	Observer EMB	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$  41

$H_{00}$  24

$P_{CN}$  .22

$\Sigma H_{00}$  356

$\Sigma P_{CN_2}$  .64"

$\Sigma P_{CN_5}$  T

$T_{UNU}$  42/40

$T_{RAMOS}$  42/29

$T_{\omega}$  = 44

$T_{\delta}$  = 43

Tuesday, October 28 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 50 °F	Dir. W	Temp. 70 °F		* Record snow, ties past record 1990		
Min. 34 °F	Vel. 3 m.p.h.	Read. 28.75 in.		- RA 1220-1225 LT, 1450-1500 LT occasional - SHRA ~1700 LT - 0200 LT - SHRA ~0500 - 0600 LT		
Set 34 °F	Char. steady	Corr. 28.63 in.		0700	1300	1900
R.H. 68 %	24 hr. Mov. 173 mi.	Sea L. 30.02 in.		Clds. CU 8/10 AC 3C	Clds. CU 1/10	Clds. O 0/10
Ppn. T in.	Liq. in.	Prev. Dir. W	3 hr. Tend. +2.0 mb	Wx dismal	Wx FRIGID & Blustery	Wx Fine penguin weather
Ppn. T in.	Sol. in.	Snow Depth 0 in.	Observer JMJ	Vis. 25 mi.	Vis. 85 mi.	Vis. 10 mi.

T 42  
HDD 23  
PCNL T  
 $\Sigma$  HDD 379  
 $\Sigma$  PCNL .64"  
 $\Sigma$  PCNS T

Tunv 35/25  
Tramus 32/13

Tw 32  
Td 26



Wednesday, October 29, 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.	Dir.	Temp.			-SHSN 0910-1000 LT		
43 °F	SW	70 °F					
Min.	Vel.	Read.					
27 °F	10 m.p.h.	28.90 in.					
Set	Char.	Corr.		0700	1300	1900	
31 °F	Breezy	28.78 in.					
R.H.	24 hr. Mov.	Sea L.		Clds.	Clds.	Clds.	
69 %	55 mi.	30.19 in.		2/10 Ci	3/10 Ci in contrails	4/10 St	
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
T in.		W	-+0 mb	Frosty	Brilliant	Placid	
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
T in.		0 in.	EMB	25 mi.	25 mi.	~25 mi.	

$\bar{T} = 35$

$H_{DO} = 30$

$P_{CW_L} T$

$P_{CW_S} T$

$\Sigma H_{DO} = 409$

$\Sigma P_{CW_L} = .64''$

$\Sigma P_{CW_S} T$

$T_{UNV} = 32/23$

$T_{RAMS} = 32/14$

$T_{d_{UNV}} = 23$

Thursday, October 30, 1997  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.	General Obs.			
Max.	56 °F	Dir.	SW	Temp.	* overnight low 37			
				70 °F				
Min.	31 * °F	Vel.	3-4 m.p.h.	Read.				28.94 in.
Set	37 °F	Char.	steady	Corr.	28.82 in.			
R.H.	75 %	24 hr. Mov.	35 mi.	Sea L.	30.22 in.	0700	1300	1900
						Clds. ci	Clds. ci	Clds. ci
						2/10 contrails	1/0 contrails	1/0
Ppn.	Liq. 0 in.	Prev. Dir.	SW	3 hr. Tend.	1+1.8 mb	Wx	light fog	Wx
								Delightful
							Mild	cool.
Ppn.	Sol. 0 in.	Snow Depth	- in.	Observer	JMJ	Vis.	~25 mi.	Vis.
							15 mi.	~25 mi.

$\bar{T}$  44

HDD 21

PCNL 0

$\Sigma$  HDD 430

$\Sigma$  PCNL .64"

$\Sigma$  PCNS T

Tuvv 38/31

Tramos 37

Tw 39

Td 32

Friday October 31 1997

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 58 °F	Dir. WNW	Temp. 69 °F	OVRT low 46			
Min. 37* °F	Vel. 2 m.p.h.	Read. 28.96 in.				
Set 46 °F	Char. light	Corr. 28.84 in.	0700	1300	1900	
R.H. 79 %	24 hr. Mov. 13 mi.	Sea L. 30.23 in.	Clds. Ci 7/10 contrails	Clds. Ci 3/10 AC	Clds. 0/10	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. mb	Wx frighteningly pleasant.	Wx relaxing	Wx nice	
Ppn. Sol. / in.	Snow Depth / in.	Observer MSK	Vis. ~25 mi.	Vis. 20 mi.	Vis. 25 mi.	

$\bar{T}$  48

HDD 17

CDD 0

$\Sigma$  HDD 447

$\Sigma$  CDD 22

$\Sigma$  PCN = .64 \*

$\Sigma$  PCN S = T

Tramos 36/26

Tuvu 42/33

$\bar{T}_d$  45

$\bar{T}_d$  42

\* 7<sup>TH</sup> JUNE - OCTOBER

$\bar{T}_{MAX} = 61.7$

$\bar{T}_{MIN} = 40.4$

$\bar{T}_{OCT} = 51.06$