FRIDAY OCTOBER 1, 1999

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 62 °F	Dir. SW	Temp. 70 °F	-SHRA 8:40-10:00LT
Min. 41 °F	Vel. 4 m.p.h.	Read. 28.97 in.	
Sea 45 °F	Char. VARIABLE	Corr. 28.85 in.	
R.H. 85 %	24 hr. Mov. — mi.	Sea L. 30.23 in.	
Ppn. Liq. 0.03 in.	Prev. Dir. —	3 hr. Tend. +2 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer ARP	

	0700	1300	1900
Clds.	Clds. Sc 1/10	Clds. Sc Ac 5/10	Clds. Ac 10
Wx	Wx MOSTLY CLR ARP 0000	Wx PCLDY	Wx NICE SUNNY EARLY
Vis.	Vis. 25 mi.	Vis. 25+ mi.	Vis. 25 mi.

$T = 53$

$H_{PP} = 12$

$C_{PP} = 0$

$\Sigma H_{PP} = 12$

$\Sigma C_{PP} = 0$

$T_{PAVIS} = 47/40$

$T_{UNV} = 45/37$

$T_W = 42$

$T_D = 41$

$\Sigma PCN_L = 0.03$

$\Sigma PCN_S = 0.0$

$PCN_{TB} = 0.02$

$\Sigma PCN_{TB} = 0.02$

SATURDAY OCTOBER 3, 1999

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. SE	Temp. 70 °F	* EXCEPT FOG IN VALLEY
Min. 46 °F	Vel. 2 m.p.h.	Read. 29.03 in.	
Set 47 °F	Char. LIGHT	Corr. 29.91 in.	
R.H. 89 %	24 hr. Mov. — mi.	Sea L. 30.24 in.	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +2 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AAD	

	0700	1300	1900
Clds.	Clds. 7/10 Cs Cu	Clds.	Clds. 1/10 Ci
Wx	Wx Mostly Clear AM COLD	Wx	Wx Nice
Vis.	Vis. 25+ * mi.	Vis. mi.	Vis. 25 mi.

$T = 57$

$H_{PP} = 8$

$C_{PP} = C$

$\Sigma H_{PP} = 20$

$\Sigma C_{PP} = 0$

$T_{CANS} = 47/45$

$T_{UNV} = 45/43$

$T_W = 45$

$T_D = 44$

$\Sigma PCN_L = 0.03$

$\Sigma PENS = 0.0$

$PCN_{TB} = 0.00$

$\Sigma PCN_{TB} = 0.02$

Sunday 30 October 1900, 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 71 °F	Dir. NNW	Temp. 72 °F			
Min. * 47 °F	Vel. 3 m.p.h.	Read. 29.04 in.	*actual low 48		
Set 57 °F	Char. light	Corr. 28.92 in.	0700	1300	1900
R.H. 49 %	24 hr. Mov. M mi.	Sea L. 30.26 in.	Clds 8/10 Sc St	Clds.	Clds. 8/10 Ac As
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. 15 mb	Wx cool	Wx	Wx cool
Ppn. Sol. 0.00 in.	Snow Depth — in.	Observer PLD	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

T: 54

H_{DD}: 6

C_{DD}: 0

T_{DAVIS}: 57/50

T_{UNIV}: 55/46

T_W: 48

T_D: 39

$\sum H_{DD}$: 26

$\sum C_{DD}$: 0

$\sum PCN_L$: 0.03

$\sum PCN_S$: 0.00

PCN_{TB}: 0.00

$\sum PCN_{TB}$: 0.02

Monday 4 October 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 62 °F	Dir. W	Temp. 72 °F	+SHRA 02 – 05 LT +TSRA 0345 – 0430 LT (occasional) –TSRA fog in valleys
Min. 54 °F	Vel. 4 m.p.h.	Read. 28.86 in.	
Set 55 °F	Char. steady	Corr. 28.73 in.	
R.H. 100 %	24 hr. Mov. M mi.	Sea L. 30.16 in.	
Ppn. Liq. 0.32 in.	Prev. Dir. M	3 hr. Tend. / +1 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MAW	

0700	1300	1900
Clds. 10/10 SC	Clds. 10/10 SC	Clds. 10/10 ST
Wx foggy	Wx brisk	Wx cool
Vis. 6 mi.	Vis. 4 mi.	Vis. 20 mi.

$\bar{T}$: 58
HDD: 7
CDD: 0
ΣHDD: 33
ΣCDD: 0
ΣPCN_L: 0.35
ΣPCN_S: 0.00

T_{DAVIS}: 54/54 T_W: 55°
T_{UNV}: 54/52 T_O: 55°

PCN_{TB}: 0.30
ΣPCN_{TB}: 0.32

Tuesday October 5 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 60 °F	Dir. N	Temp. 70 °F			
Min. 43 °F	Vel. 1 m.p.h.	Read. 29.00 in.			
Set 43 °F	Char. light	Corr. 28.84 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. M mi.	Sea L. 30.25 in.	Clds. 10/10 Sc	Clds. 8/10 Cu	Clds. 0/10
Ppn. Liq. 0 in.	Prev. Dir. M	3 hr. Tend. +.5 mb	Wx crisp	Wx cool & pleasant	Wx Chilly
Ppn. Sol. — in.	Snow Depth — in.	Observer AOL	Vis. 25 mi.	Vis. 20 mi.	Vis. 6 mi.

T: 52

H_{OD}: 13

L_{OD}: 0

ΣH_{OD}: 46

ΣL_{OD}: 0

T_{Davis}: 43/35

T_{unc}: 43/34

T_W: 41

T_D: 41

ΣPLN_L: 0.35

$\Sigma PLNS$: 0.00

PCN_{tg}: 0.30

ΣPCN_{tg} 0.32

Wednesday 6 October 1999 — 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 54 °F	Dir. WSW	Temp. 72 °F	fog in valley
Min. 37 °F	Vel. 8 m.p.h.	Read. 28.93 in.	
Set 42 °F	Char. Steady	Corr. 28.80 in.	
R.H. 89 %	24 hr. Mov. M mi.	Sea L. 30.24 in.	
Ppn. Liq. 0 in.	Prev. Dir. M	3 hr. Tend. — 0 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MAW	

	0700	1300	1900
Clds.	1/10 Ci	~~5/10~~ Sc Cu	6/10 Sc Cu
Wx	clear & chilly	CCU WIND	Wx chilly
Vis.	6 mi.	25+ mi.	Vis. 20 mi.

$\bar{T}$: 46
HDD: 19
CDD: 0
ΣHDD: 65
ΣCDD: 0
ΣPCN_L: 0.35
ΣPCN_S: 0.00

T_{DAVIS}: 43/38
T_{UNIV}: 37/34

T_W: 41
T_D: 39

PCN_{TB}: 0.00
ΣPCN_{TB}: 0.32

Thursday 7 October 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 61 °F	Dir. NNW	Temp. 70 °F			
Min. 34 °F	Vel. 2 m.p.h.	Read. 29.17 in.			
Set 36 °F	Char. light	Corr. 29.05 in.	* Low fog in valley		
			0700	1300	1900
R.H. 61 %	24 hr. Mov. M mi.	Sea L. 30.47 in.	Clds. 0/10	Clds. Ci 1/10	Clds. 9/10
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. /4 mb	Wx COLD	Wx CCF	Wx FRIG
Ppn. Sol. 0.00 in.	Snow Depth — in.	Observer FLD	Vis. * 20 mi.	Vis. 25+ mi.	Vis. 25+ mi.

$\bar{T}$: 48

T_{DAVIS}: 38/29

T_{LANG}: 33/26

T_W: 33

T_D: 25

H_{DD}: 17

C_{DD}: 0

$\sum H_{DD}$: 82

$\sum C_{DD}$: 0

$\sum PCN_L$: 0.35

$\sum PCN_S$: —

PCN_{TB}: 0.00

$\sum PCN_{TB}$: 03.7

FRIDAY OCTOBER 8, 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 52 °F	Dir. —	Temp. 71 °F			
Min. 34 °F	Vel. 0 m.p.h.	Read 29.24 in.	* Low lying fog in valley		
Set 38 °F	Char. CALM	Corr. 29.11 in.	0700	1300	1900
R.H. 79 %	24 hr. Mov. — mi.	Sea L. 30.52 in.	Clds. 1/10 Cs	Clds. 10/10 CS	Clds. 10/10 As, Fair Cu
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. — 0 mb	Wx very cold SUPER CHILL	Wx breezy	Wx Milder tight here
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer ARP	Vis. 25* mi.	Vis. 20 mi.	Vis. 25 mi.

$\bar{T} = 43$

$H_{DD} = 22$

$C_{DD} = 0$

$\Sigma H_{DD} = 109$

$\Sigma C_{DD} = 0$

ΣPCN_L 0.35

ΣPCN_S 0.0

$T_{DAVIS} = 41/34$

$T_{UNV} = 34/38$

$T_W = 33$

$T_C = 32$

$PCN_{TB} = 0.00$

$\Sigma PCN_{TB} = 0.32$

SATURDAY OCTOBER 9, 1999

Meteorological Observatory
University Park, PA
0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 59 °F	Dir. —	Temp. 74 °F	* OVERNIGHT LOW 53 -SHRA 19:35 - 20:00 LT -SHRA 20:10 - 20:20 LT -SHRA 20:35 - 21:05 LT DZ AND SPRINKLES 23:06 - 23:50 LT -SHRA 23:50 - 0:10 LT DZ AND SPRINKLES 0:10 - 0:56 LT -SHRA 2:49 - 4:20 LT		
Min. 38 * °F	Vel. 0 m.p.h.	Read 29.08 in.			
Set 54 °F	Char. CALM	Corr. 28.95 in.			
R.H. 90% %	24 hr. Mov. — mi.	Sea L. 30.31 in.	Clds. SC 10	Clds.	Clds. 10/10 NS
Ppn. Liq. 0.03 in.	Prev. Dir. —	3 hr. Tend. +2 mb	Wx FG MIST	Wx	Wx - DZ
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer ARP	Vis. 4.5 mi.	Vis. mi.	Vis. 3 mi.

$\bar{T} = 49$

$T_{DAVIS} = 54/53$ $T_W = 515$

$T_{UNV} = 52/50$ $T_D = 51$

$H_{DD} = 16$

$C_{DD} = 0$

$\Sigma H_{DD} = 120$

$\Sigma C_{DD} = 0$

$\Sigma PCN_L = 0.38$

$\Sigma PCN_S = 0.0$

$PCN_{TB} = 0.03$

$\Sigma PCN_{TB} = 0.35$

Sunday 10 October 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 64 °F	Dir. SW	Temp. 78 °F	-RA @ 2145 - 0800 LT		
Min. * 54 °F	Vel. 1 m.p.h.	Read. 28.84 in.	OCCL - DZ @ 1700 - 2145 LT		
Set 00 °F	Char. calm	Corr. 28.70 in.	* OVNT LOW 60		
			0700	1300	1900
R.H. 100 %	24 hr. Mov. M mi.	Sea L. 30.04 in.	Clds. 10/10 NS	Clds.	Clds. Bkn St
Ppn. Liq. 0.02 in.	Prev. Dir. M	3 hr. Tend. \ 3 mb	Wx Dense -RA Fog	Wx	Wx Mic
Ppn. Sol. 0.00 in.	Snow Depth — in.	Observer PLD	Vis. 0.5 mi.	Vis. mi.	Vis. 4 mi.

$\bar{T}$: 59

$T_{DD,DS}$: 60/60

T_W: 60

H_{DD} 6

T_{UDV}: 58/57

T_D: 60

C_{DD}: 0

$\sum H_{DD}$: 126

$\sum C_{DD}$: 0

PCN_{TB}: 0.59

$\sum PCN_C$: 1.00

$\sum PCN_S$: —

$\sum PCN_{TB}$: 0.94

Monday October 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 66 °F	Dir. NW	Temp. 76 °F	fog in valleys +SHRA 08 LT – 0855 LT -DZ occasionally		
Min. 59 °F	Vel. 2 m.p.h.	Read. 29.00 in.			
Set 59 °F	Char. G/O	Corr. 28.86 in.	0700	1300	1900
R.H. 89 %	24 hr. Mov. M mi.	Sea L. 30.30 in.	Clds. CU 7/10 SC A	Clds.	Clds. 1/10 Ac
Ppn. Liq. 0.04 in.	Prev. Dir. M	3 hr. Tend. +2 mb	Wx pleasant	Wx	Wx Nice
Ppn. Sol. O in.	Snow Depth O in.	Observer MAW	Vis. 3 mi.	Vis. mi.	Vis. 25 mi.

$\bar{F}$: 63
HDD: 2
CDD: 0
ΣHDD: 128
ΣCDD: 0
ΣPCN_L: 1.04
ΣPCN_S: 0.00

T_{DAVIS}: 60/56 T_W: 57
T_{UNU}: 61/54 T_D: 56

PCN_{TB}: 0.04
ΣPCN_{TB}: 0.98

Tuesday 12 October 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 65 °F	Dir. —	Temp. 75 °F			
Min. 38 °F	Vel. 0 m.p.h.	Read. 29.22 in.			
Set 39 °F	Char. —	Corr. 29.04 in.	light thin fog in valleys		
			0700	1300	1900
R.H. 85 %	24 hr. Mov. M mi.	Sea L. 30.49 in.	Clds. 1/10 Ci	Clds. 2/10 Cs	Clds. 3/10 Ci
Ppn. Liq. 0 in.	Prev. Dir. M	3 hr. Tend. +1 mb	Wx clear	Wx clear	Wx
Ppn. Sol. 0 in.	Snow Depth — in.	Observer AOH	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$ 52
H_{DD}: 13
C_{DD}: 0
ΣH_{DD}: 142
ΣC_{DD}: 0

T_{Davis}: 41/24
T_{mnv}: 37/36

T_w = 38
T_D = 37

ΣPCN_e: 1.04
ΣPCN_s: 0.00

PLN_{T_b}: 0
ΣPCN_{T_b}: 0.98

Wednesday 13 October 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 64 °F	Dir. SSW	Temp. 76 °F	*overnight low 53° Contrails		
Min. * 39 °F	Vel. 10 m.p.h.	Read. 28.94 in.			
Set 53 °F	Char. variable	Corr. 28.80 in.	0700	1300	1900
R.H. 74 %	24 hr. Mov. M mi.	Sea L. 30.24 in.	Clds. AC CI 8/10 AS	Clds. Cs 5/10 Cu	Clds.
Ppn. Liq. 0 in.	Prev. Dir. M	3 hr. Tend. 1-2 mb	Wx pleasant	Wx * WARM	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MAW	Vis. 20 mi.	Vis. 25 mi.	Vis. mi.

$\bar{T}$: 52
HDD: 13
CDD: 0
ΣHDD: 154
ΣCDD: 0
ΣPCN_e: 1.04
ΣPCN_S: 0.00

T_{DAVIS}: .53/46 T_W: 49
T_{UNU}: 48/43 T_D: 45

PCN_{TB}: 0.00
ΣPCN_{TB}: 0.98

Thursday 14 October 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 69 °F	Dir. NW	Temp. 74 °F	TSRA with occasional TRA 20:15 - 22:00 LT -RA 22:00 - 1:00 LT -SHRA 3:30 - 4:00 LT
Min. 41 °F	Vel. 10 m.p.h.	Read. 28.87 in.	
Set 42 °F	Char. Var.	Corr. 28.74 in.	

	0700	1300	1900
R.H. 65 %	Clds. 10/10 Sc	Clds. 2/10 tiny Cu	Clds. 0/0
Ppn. Liq. 0.50 in.	Wx Co ll W	Wx Slightly cool Beautiful Fall Colors	Wx Cool
Ppn. Sol. — in.	Snow Depth — in.	Observer ADH	Vis. 7 5 mi.
			Vis. 25+ mi.
			Vis. 25+ mi.

$\bar{T}$: 55

T_{Davis} : 42/34

T_w : 40

T_D : 34

T_{unv} : 43/32

H_{00} : 10

C_{00} : 0

ΣH_{00} : 16

ΣC_{00} : 0

Σ

ΣPCN_e : 1.54

ΣPCN_S : 0

* Wind Contamination

PCN_{To} : .74*

ΣPCN_{To} : 1.72*

FRIDAY OCTOBER 15, 1999

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 54 °F	Dir. —	Temp. 78 °F	* low-level FOG IN VALLEY
Min. 33 °F	Vel. 0 m.p.h.	Read. 29.14 in.	
Set 35 °F	Char. CALM	Corr. 29.06 in.	

	0700	1300	1900
R.H. 93 %	Clds. 0/10	Clds. 1/10 CI	Clds. 0/10
Ppn. 0.00 in. Liq.	Wx VERY COLD NICE FALL COLORS	Wx beautiful	Wx COOL
Ppn. 0.0 in. Sol.	Vis. * 25+ mi.	Vis. 25+ mi.	Vis. 25+ mi.

Snow Depth 0 in.

Prev. Dir. —

3 hr. Tend. 1 +2 mb

Observer AFD

24 hr. Mov. — mi.

Sea L. 30.41 in.

$T = 44$

$H_{DP} = 21$

$C_{DP} = 0$

$\Sigma H_{DP} = 185$

$\Sigma C_{DP} = 0$

$T_{CAVIS} = 36/32$

$T_{CNV} = 34/30$

$T_W = 33$

$T_D = 33$

$\Sigma PCN_S = 1.54$

$\Sigma PGN_S = 0.0$

$PCN_{TP} = 0.00$

$\Sigma PCN_{TB} = 1.72$

SATURDAY OCTOBER 16 1999

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 61 °F	Dir. —	Temp. 74 °F	* DENSE FOG IN VALLEY
Min. 35 ** °F	Vel. 0 m.p.h.	Read. 29.07 in.	** OVER NIGHT LOW=44
Set 45 °F	Char. CALM	Corr. 28.94 in.	
Rel. 91 %	24 hr. Mov. — mi.	Sea L. 30.33 in.	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. — 0 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AFD	

0700	1300	1900
Clds. Cu > 1/10	Clds.	Clds. 5/10 Cu
Wx COLDW DENSE VALLEY FOG	Wx	Wx NICE
Vis. ≈25* mi.	Vis. mi.	Vis. 10 mi.

$\bar{T} = 48$

$H_{DD} = 17$

$C_{DD} = 0$

$\Sigma H_{DD} = 202$

$\Sigma C_{DD} = 0$

$T_{DAVIS} = 47/43$ $T_W = 43$

$T_{UNV} = 43/37$ $T_D = 43$

$\Sigma PCN_L = 1.54$

$\Sigma PCN_S = 0.0$

$PCN_{TB} = 0.00$

$\Sigma PCN_{TB} = 1.72$

Sunday 17 October 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 67 °F	Dir. S	Temp. 74 °F			
Min. 45 °F	Vel. 1 m.p.h.	Read. 28.82 in.			
Set 46 °F	Char. calm	Corr. 28.69 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. M mi.	Sea L. 30.04 in.	Clds. 10/10 St	Clds.	Clds. 8/10 As
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. \ 1 mb	Wx dense fog	Wx	Wx Mist
Ppn. Sol. — in.	Snow Depth — in.	Observer PLD	Vis. ¼ *.25 mi.	Vis. mi.	Vis. 15 mi.

$\bar{T}$: 56

H_{DD}: 9

C_{DD} 0

$\sum H_{DD}$: ~~240~~

$\sum C_{DD}$: 0

T_{UNIV} 45/43

T_{DAVIS} 46/45

T_W 46

T_D 46

$\sum PCN_L$: 1.54

$\sum PCN_S$: 0

PCN_{TB}: 0.00

$\sum PCN_{TB}$: 1.72

Monday 18 October 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 72 °F	Dir. N	Temp. 74 °F	-SHRA 2145-2205LT
Min. 46 °F	Vel. 9 m.p.h.	Read. 28.80 in.	
Set 47 °F	Char. G14	Corr. 28.67 in.	
R.H. 66 %	24 hr. Mov. M mi.	Sea L. 30.10 in.	
Ppn. Liq. 0.01 in.	Prev. Dir. M	3 hr. Tend. +2 mb	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer MAW	

	0700	1300	1900
Clds.	5/10 CU SC	8/10 CU	0/10
Wx	windy chilly	breezy	
Vis.	25 mi.	25+ mi.	25 mi.

$\bar{T}$: 59
HDD: 6
CDD: 0
ΣHDD: 218
ΣCDD: 0
ΣPCN_R: 1.55
ΣPCN_S: 0.00

T_{DAVIS}: 47/38 T_W: 42
T_{UNV}: 46/36 T_O: 36

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.72

Tuesday 19 October 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. ESE	Temp. 74 °F			
Min. 33 °F	Vel. 1 m.p.h.	Read. 29.12 in.			
Set 35 °F	Char. Calm	Corr. ~~28.99~~ in.			
R.H. 92 %	24 hr. Mov. M mi.	Sea L. 30.41 in.	0700	1300	1900
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. / 3 mb	Clds. Ci 9/10 Cc Ac.	Clds. CI 3/10 CU AC	Clds. 10/10 NS
Ppn. Sol. 0.00 in.	Snow Depth — in.	Observer PLD	Wx chilly	Wx breezy	Wx -DZ
			Vis. 25 mi.	Vis. 25 mi.	Vis. 6 mi.

$\bar{T}$: 45

H_{DD}: 20

C_{DD}: 0

$\sum H_{DD}$: 237

$\sum C_{DD}$: 0

T_{DAVIS} 30/33

T_{UNU} 32/30

T_W: 36

T_D: 35

$\sum PCN_L$: 1.55

$\sum PCN_S$: 0.0

PCN_{TB}: 0

$\sum PCN_{TB}$: 1.72

Wednesday 20 October 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 53 °F	Dir. SW	Temp. 74 °F	-DZ 1955-2015 LT -SHRA 2015-2105 LT -DZ 2105-2230 LT -SHRA 2300-0030 LT *overnight low 45°		
Min. 35* °F	Vel. 2 m.p.h.	Read. 29.04 in.			
Set 47 °F	Char. steady	Corr. 28.91 in.	0700	1300	1900
R.H. 93 %	24 hr. Mov. M mi.	Sea L. 30.35 in.	Clds. 10/10 SC AS	Clds. 9/10 CS AS	Clds. 1/10 Cu
Ppn. 0.10 in. Liq.	Prev. Dir. M	3 hr. Tend. -0 mb	Wx foggy	Wx -RA COOL	Wx chilly
Ppn. 0 in. Sol.	Snow Depth 0 in.	Observer MAW	Vis. 2 mi.	Vis. 20 mi.	Vis. 20 mi.

$\bar{T}$: 44
HDD: 21
CDD: 0
ΣHDD: 258
ΣCDD: 0
ΣPCN_L: 1.65
ΣPCN_S: 0.00

T_{DAUS}: 45/45 T_W: 46
T_{UNU}: 45/43 T_D: 45

PCN_{TB}: 0.08
ΣPCN_{TB}: 1.80

Thursday 21 October 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 52 °F		Dir. W	Temp. 74 °F			
Min. 33 °F		Vel. 5 m.p.h.	Read. 29.01 in.	Fog in Valleys		
Set 36 °F		Char. constant	Corr. 28.84 in.	Frost on golf course		
				0700	1300	1900
R.H. 72 %		24 hr. Mov. M mi.	Sea L. 30.25 in.	Clds. 0/10	Clds.	Clds.
Ppn. 0 in.	Liq.	Prev. Dir. M	3 hr. Tend. — mb	Wx clo	Wx	Wx
Ppn. 0 in.	Sol.	Snow Depth — in.	Observer ADH	Vis. 20 mi.	Vis. mi.	Vis. mi.

T: 43

T_{max}: 38/34

T_L: 36

H_{00}: 22

T_{min}: 36/32

T_0: 32

C_{00}: 0

ΣH_{00}: 280

ΣC_{00}: 0

ΣPLN_e: 1.65

ΣPLN_S: 0

PLN_{T_0}: 0.00

ΣPLN_{T_0}: 1.80

FRIDAY OCTOBER 22, 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 55 °F	Dir. SW	Temp. 75 °F	* OVERNIGHT LOW: 41		
Min. 36 * °F	Vel. 3 m.p.h.	Read. 28.54 in.			
Set 47 °F	Char. Light	Corr. 28.41 in.	0700	1300	1900
R.H. 76 %	24 hr. Mov. — mi.	Sea L. 29.76 in.	Clds. 9/10 Ac	Clds. 9/10 NS Cu	Clds. 3/10 As Cs
Ppn. 0.00 Liq. in.	Prev. Dir. —	3 hr. Tend. \-4 mb	Wx Cool	Wx -DZ	Wx Most'l Clear Cool
Ppn. 0.0 Sol. in.	Snow Depth 0 in.	Observer ARD	Vis. 25+ mi.	Vis. 15 mi.	Vis. 25+ mi.

$\bar{T}$: 46

T_{DAVIS}: 48/38

T_W: 41

H_{DP}: 19

T_{UNV}: 43/36

T_D: 40

C_{DP}: 0

ΣH_{DP}: 209

ΣC_{DP}: 0

ΣPCN_L: 1.65

ΣPCN_S: 0.0

PCN_{TB}: 0.00

ΣPCN_{TB}: 1.80

SATURDAY OCTOBER 23 1999

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. WSW	Temp. 73 °F	SPRINKLES AND DZ 16:20-16:35 SHRA 17:20 - 18:00 LT COLD FRONT PASSAGE AT 17:20 LT -SHRA W/ OCNL PE 7:25-7:40 LT -SHRA AT OBS TIME		
Min. 40 °F	Vel. 10 m.p.h.	Read 28.44 in.			
Set 40 °F	Char. LIGHT	Corr. 28.31 in.	0700	1300	1900
R.H. 91 %	24 hr. Mov. — mi.	Sea L. 29.67 in.	Clds. 10/10 SC, NS	Clds.	Clds. 10/10 SC
Ppn. Liq. 0.07 in.	Prev. Dir. —	3 hr. Tend. +2 mb	Wx -SHRA WINDY&CAD	Wx	Wx Windy
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ARD	Vis. 20 mi.	Vis. mi.	Vis. 10 mi.

$\bar{T} = 49$

$H_{DD} = 16$

$C_{DD} = 0$

$\Sigma H_{DD} = 315$

$\Sigma C_{DD} = 0$

$\Sigma PCM = 1.72$

$\Sigma PCN_S = T$

$T_{DAVIS} = 48/37$

$T_{UNV} = 39/36$

$T_W = 38$

$T_D = 38$

$PCN_{TB} = 0.06$

$\Sigma PCN_{TB} = 1.86$

Sunday 24 October 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 42 °F	Dir. WNW	Temp. 72 °F	-SHRA 08LT-0820LT -SHRA 0845-0855LT -DZ occasionally
Min. 39 °F	Vel. 6 m.p.h.	Read. 28.78 in.	
Set 41 °F	Char. steady	Corr. 28.65 in.	

	0700	1300	1900
R.H. 86 %	Clds. CU 10/10 SC	Clds.	Clds. SC 7/10 AC
Ppn. Liq. T in.	Wx cold	Wx	Wx Con
Ppn. Sol. 0.0 in.	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.
Snow Depth 0 in.			
Prev. Dir. M			
24 hr. Mov. M mi.			
3 hr. Tend. +2 mb			
Sea L. 30.08 in.			
Observer MAW			

$\bar{T}$: 41
HDD: 24
CDD: 0
ΣHDD: 339
ΣCDD: 0
ΣPCN_L: 1.72
ΣPCN_S: 0.00

T_{DAVIS}: 41/37

T_{UNV}: 39/36

T_W: 39
T_D: 37

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.86

Monday 25 October 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 47 °F	Dir. SW	Temp. 73 °F	-02 16:15 LT; 1820 LT; 1930 LT contrails
Min. 36 °F	Vel. 8 m.p.h.	Read. 29.04 in.	
Set 37 °F	Char. steady	Corr. 28.91 in.	

	0700	1300	1900
R.H. 93 %	Clds. 4/10 Cu Ci cc	Clds. 2/10 AC	Clds. 0/10
24 hr. Mov. M mi.	Sea L. 30.35 in.		
Ppn. T Liq. in.	Prev. Dir. M	3 hr. Tend. /+1 mb	Wx brisk
	Wx brisk	Wx pleasant	Wx nice
Ppn. 0.0 Sol. in.	Snow Depth 0 in.	Observer MAW	Vis. 20 mi.
	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.

F: 42
HDD: 23
CDD: 0
ΣHDD: 362
ΣCDD: 0
ΣPCN_L: 1.72
ΣPCN_S: 0.00

T_{DAUIS}: 38/32 T_W: 36
T_{UNV}: 36/30 T_D: 35

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.86

Tuesday 26 October 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 54 °F	Dir. SW	Temp. 73 °F			
Min. 36 °F	Vel. 8 m.p.h.	Read. 28.84 in.			
Set 45 °F	Char. variable	Corr. 29.75 in.	0700	1300	1900
R.H. 55 %	24 hr. Mov. M mi.	Sea L. 30.14 in.	Clds. Ci 4/10 Cs	Clds. CS 5/10 Ci Ac	Clds. 0/10
Ppn. — Liq. in.	Prev. Dir. M	3 hr. Tend. \ -1 mb	Wx clear	Wx pleasant	Wx breezy
Ppn. — Sol. in.	Snow Depth — in.	Observer A.D.H.	Vis. 25 mi.	Vis. 25 mi.	Vis. 6 mi.

$\bar{T}$: 45

H_{OD}: 20

C_{OD}: 0

ΣH_{OD}: 382

ΣC_{OD}: 0

T_{Davis}:

T_{unv}: 43/36

T_C: 40

$T_{\emptyset}$: 31

$\Sigma PLN_\emptyset$: 1.72

ΣPLN_S: T

$PCNT_{\emptyset}$: 0.00

$\Sigma PCNT_{\emptyset}$: 1.84

Wednesday 27 October 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 62 °F	Dir. WNW	Temp. 74 °F	contrails		
Min. 35 °F	Vel. 6 m.p.h.	Read. 29.03 in.			
Set 37 °F	Char. steady	Corr. 28.90 in.	0700	1300	1900
R.H. 93 %	24 hr. Mov. M mi.	Sea L. 30.34 in.	Clds. CU 4/10 SC CI	Clds. Sc	Clds. 0/10
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. /+2 mb	Wx COOL	Wx +CLM Cool	Wx chilly
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T}$: 49
HDD: 16
CDD: 0
ΣHDD: 398
ΣCDD: 0
ΣPCN_L: 1.72
ΣPCN_S: T

T_{DAVIS}: 41/33 T_W: 36
T_{UNU}: 37/28 T_O: 35

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.86

Thursday October 28, 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 49 °F	Dir. ESE	Temp. 74 °F			
Min. 30 °F	Vel. 1 m.p.h.	Read. 29.16 in.			
Set 31 °F	Char. calm	Corr. 29.03 in.	Dense Fog in Valleys		
			0700	1300	1900
R.H. 96 %	24 hr. Mov. M mi.	Sea L. 30.47 in.	Clds. Ci 1/10	Clds. Ci	Clds. Ci 10/10
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. —0 mb	Wx foggy Chilly	Wx SLIGHTLY	Wx LIGHT AND CHILLY
Ppn. Sol. 0.0 in.	Snow Depth — in.	Observer PLD	Vis. 5 mi.	Vis. 25 mi.	Vis. 25 mi.

$\bar{T}$: 40

H_{DD}: 25

C_{DD}: 0

ΣH_{DD}: 425

ΣC_{DD}: 0

T_{UNV}: 30/28

T_{Davis}: 31/29

T_W: 32

T_D: 32

ΣPCN_L: 1.72

ΣPCN_S: T

ΣPCN_{TB}: 1.86

PCN_{TB}: 0.00

OCTOBER 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. °F	Dir. —	Temp. 73 °F	* LOW 37		
Min. 31 * °F	Vel. m.p.h.	Read. in.	LOW-LEVEL AND VALLEY		
Set °F	Char. CALM	Corr. 29.03 in.	0700	1300	1900
R.H. 95 %	24 hr. Mov. mi.	Sea L. in.	Clds. Ci	Clds. 1/10 CI	Clds. 9/10
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +3 mb	Wx HZ & COLD	Wx pleasant	Wx
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer	Vis. 15 mi.	Vis. 25+ mi.	Vis. 25 mi.

43

T_{UNV}: 49/37

T_W: 37

H_{DP}:
0

ΣH_{DP}: 445
0

ΣPCN_L: 1.[illegible]

[illegible]: T

ΣPCN_{TB}: 1.85

[illegible]: 0.00

SATURDAY OCTOBER 30, 1999

0700 EST — Meteorological Observatory, University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 71 °F	Dir. —	Temp. 74 °F	* OVERNIGHT LOW 42		
Min. 38* °F	Vel. 0 m.p.h.	Read. 29.24 in.			
Set 42 °F	Char. LIGHT	Corr. 29.11 in.			
R.H. 96 %	24 hr. Mov. — mi.	Sea L. 30.51 in.	0700	1300	1900
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +3 mb	Clds. 8/10 Cr Cs	Clds.	Clds. 0/10
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer ARD	Wx FOG & COOL	Wx	Wx warm
			Vis. 4 mi.	Vis. mi.	Vis. 25 mi.

$\bar{T} = 55$

$H_{DD} = 10$

$C_{DD} = 0$

$\Sigma H_{DD} = 455$

$\Sigma C_{DD} = 0$

ΣPCN_G 1.72

$\Sigma PCN_S = T$

$T_{UNV} = 43/39$

$T_{DAILY} = 45/43$

$T_W = 41$

$T_D = 41$

$\Sigma PCN_{TB} = 1.86$

$PCN_{TB} = 0.00$

Sunday 31 October 1943

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 70 °F	Dir. —	Temp. 78 °F	fog three valley		
Min. 42* °F	Vel. 0 m.p.h.	Read. 29.10 in.			
Set 48 °F	Char. calm	Corr. 28.96 in.	*Actual Low 47		
			0700	1300	1900
R.H. 80 %	24 hr. Mov. M mi.	Sea L. 30.35 in.	Clds. Cc 1/10	Clds.	Clds. 10/10 As
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. — 0 mb	Wx Nice brilliant sunrise	Wx	Wx nice
Ppn. Sol. — in.	Snow Depth — in.	Observer PLD	Vis. 4 mi.	Vis. mi.	Vis. 2-5 mi.

$\bar{T}$: 56

H_{DD}: 9

C_{DD}: 0

$\sum H_{DD}$: 469

$\sum C_{DD}$: 0

T_{anv} 46/43

T_{DAVIS} 48/42

T_W: 46

T_D: 43

OCTOBER

$\bar{T}_{MAX} = 59.9$

$\bar{T}_{MIN} = 39.7$

$\bar{T}_{OCT} = 49.8$

$\sum PCN_L$: 1.72

$\sum PCN_S$: T

PCN_{TB}: 0.00

$\sum PCN_{TB}$: 1.86