1 December 1999 Wednesday 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 31 °F	Dir. N	Temp. 75 °F	contrails -SNSH ~1840 LT
Min. 17 °F	Vel. 1 m.p.h.	Read. 29.35 in.	
Set 18 °F	Char. light	Corr. 29.21 in.	
R.H. 74 %	24 hr. Mov. M mi.	Sea L. 30.67 in.	
Ppn. Liq. T in.	Prev. Dir. M	3 hr. Tend. -0 mb	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MAW	

	0700	1300	1900
Clds.	Clds. CI 1/10 CC AC	Clds. 0/10	Clds. 9/10
Wx	Wx cold	Wx VFR W GUSTY BREEZE	Wx cold WINDY
Vis.	Vis. 25 mi.	Vis. 25+ mi.	Vis. 25 mi.

$\bar{T}$: 24
HDD: 41
CDD: 0
ΣHDD: 41
ΣCDD: 0
ΣPCN_R: T
ΣPCN_S: T

T_{DAVIS}: 19/11 T_W: M
T_{UNV}: 18/10 T_O: 11

PCN_{TB}: 0.00
ΣPCN_{TB}: 0.00

Thursday 2 December 1899 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 33 °F	Dir. SW	Temp. 74 °F			
Min. 18 °F	Vel. 1 m.p.h.	Read. 29.10 in.			
Set 24 °F	Char. calm	Corr. 28.97 in.	*derived by Davis		
R.H. 64* %	24 hr. Mov. — mi.	Sea L. 30.02 in.	0700	1300	1900
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. _ 1 mb	Clds. ⊘/10 Cᵢ	Clds. 5/10 Ac Cc	Clds. 0/10
Ppn. Sol. 0 in.	Snow Depth — in.	Observer PLD	Wx still	Wx clouds increasing and thicker	Wx clear & chilly
			Vis. 25 mi.	Vis. 25+ mi.	Vis. 25+ mi.

$\bar{T}$: 26

H_{DD}: 39

C_{DD}: 0

ΣH_{DD} 80

ΣC_{DD} 0

T_{DAVIS} 29/16

T_{CNV} 25/14

T_W: M

T_D: 16*

ΣPCN_L: T

ΣPCN_S: T

PCN_{TB}: 0.00

ΣPCN_{TB} 0.00

FRIDAY DECEMBER 3, 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 45 °F	Dir. —	Temp. 75 °F	* OVERNIGHT LOW=31 AROUND 3:00 LT
Min. 24* °F	Vel. 0 m.p.h.	Read. 29.02 in.	** FROM DAVIS
Set 32 °F	Char. CALM	Corr. 28.88 in.	

	0700	1300	1900
R.H. 57 %	Clds. Ac 9/10 Cc	Clds. AS 10/10 AC	Clds. 10/10 Ac
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. — 0 mb	Wx COLD / Wx pleasant / Wx clear & cool
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer ARD	Vis. 25+ mi. / Vis. 15 mi. / Vis. 25+ mi.

$\bar{T} = 35$

$H_{DD} = 30$

$C_{DD} = 0$

$\Sigma H_{DD} = 110$

$\Sigma C_{DD} = 0$

$\Sigma PCN_L = T$

$\Sigma PCN_S = T$

$T_{DAVIS} = 36/19$

$T_{UNV} = 30/19$

$T_W = —$

$T_D = 19$***

$PCN_{TB} = 0.00$

$\Sigma PCN_{TB} = 0.00$

SATURDAY DECEMBER 4, 1999

Meteorological Observatory
University Park, PA
0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 56 °F	Dir. SW	Temp. 76 °F	SPRINKLE 0350-0405LT -SHRA 2345 - 0335LT SHRA AROUND 0300LT -SHRA 0400 - 0440LT *OVERNIGHT LOW: 44 ~ 11:30		
Min. 31* °F	Vel. 6 m.p.h.	Read. 28.98 in.			
Set 50 °F	Char. LIGHT	Corr. 28.84 in.	0700	1300	1900
R.H. 86 %	24 hr. Mov. — mi.	Sea L. 30.20 in.	Clds. 10/10 SC	Clds.	Clds. 8/10 Sc
Ppn. Liq. 0.05 in.	Prev. Dir. —	3 hr. Tend. -1 mb	Wx COOL & DISMAL	Wx	Wx warm!
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer ARD	Vis. 16 mi.	Vis. mi.	Vis. 12 mi.

$\bar{T}$: 44

H_{DI}: 21

C_{DI}: 0

ΣH_{DI}: 131

ΣC_{DI}: 0

ΣPCN_L: 0.05

ΣPCN_S: T

T_{DAVIS}: ~~49~~/46

T_{ONV}: 46/43

T_W: 47

T_D: 46

PCN_{TD} = 0.04

ΣPCN_{TD} = 0.04

Sunday 5 December 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 55 °F	Dir. SW	Temp. 77 °F			
Min. 46 °F	Vel. 1 m.p.h.	Read. 28.91 in.	** derived from Dans * light fog through valley		
Set 47 °F	Char. light	Corr. 28.77 in.	0700	1300	1900
R.H. 92 ** %	24 hr. Mov. M mi.	Sea L. 30.04 in.	Clds. H/10 Ci Sc	Clds.	Clds. 2/10 As
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. ↓ 1 mb	Wx promising	Wx	Wx vcc
Ppn. Sol. 0.0 in.	Snow Depth — in.	Observer PLD	Vis. 20 * mi.	Vis. mi.	Vis. 20 mi.

$\bar{T}$: 5'

T_{DAVIS}: 52/42

T_{UNV}: 46/44

T_W: M

T_D: 44**

H_{DD}: 14

C_{DD}: 0

ΣH_{DD}: 145

ΣC_{DD}: 0

ΣPCN_L: 0.05

ΣPCN_S: T

PCN_{TB}: 0.00

ΣPCN_{TB}: 0.00

Monday 6 December 1999

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 63 °F	Dir. SW	Temp. 78 °F	fog in valleys +RASH 2220-0350
Min. 45 °F	Vel. 4 m.p.h.	Read. 28.75 in.	
Set 46 °F	Char. steady	Corr. 28.61 in.	
R.H. 100 %	24 hr. Mov. M mi.	Sea L. 30.04 in.	
Ppn. Liq. 0.14 in.	Prev. Dir. M	3 hr. Tend. /+1 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	

	0700	1300	1900
Clds.	4 AC 10 AS CU	8 CU 10 SC	Clds.
Wx	fogg	pleasant	Wx
Vis.	10 mi.	20 mi.	Vis. mi.

T: 54
HDD: 11
CDD: 0
ΣHDD: 156
ΣCDD: 0
ΣPCN_ℓ: 0.19
ΣPCN_S: T

T_{DAVIS}: 47/47 T_W: 46
T_{UNV}: 46/45 T_D: 46

PCN_{TB}: 0.13
ΣPCN_{TB}: 0.13

Tuesday 7 December 1943 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 57 °F	Dir. NW	Temp. 76 °F			
Min. 35 °F	Vel. 1 m.p.h.	Read. 29.01 in.			
Set 37 °F	Char. Light	Corr. 28.84 in.	Observations		
R.H. # 74 %	24 hr. Mov. M mi.	Sea L. 30.31 in.	0700	1300	1900
Ppn. Liq. — in.	Prev. Dir. M	3 hr. Tend. +2 mb	Clds. 10/10 St	Clds. 7/10 Cu	Clds. 0/10
Ppn. Sol. — in.	Snow Depth — in.	Observer AOL	Wx cold	Wx chilly	Wx chilly clear
			Vis. 25 mi.	Vis. 25 mi.	Vis. 6 mi.

$\bar{T}$: 46

H_{DD} : 19

C_{DD} : 0

ΣH_{DD} : 174

ΣC_{DD} : 0

$T_{base\ 65}$ 38/30

T_{min} 37/24

T_w : M

TO : 30 *

* Degree Days

ΣPCN_e : 0.19

ΣPCN_s : T

PCN_{std} 0.0

ΣPCN_s 0.13

Wednesday 8 December '09

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. N	Temp. 78 °F			
Min. 21 °F	Vel. 0 m.p.h.	Read. 29.20 in.			
Set 23 °F	Char. calm	Corr. 29.05 in.	0700	1300	1900
R.H. 96 %	24 hr. Mov. M mi.	Sea L. 30.51 in.	Clds. 0 | 10	Clds. Cs >1/10 Horizon	Clds. Cs 2/10 St
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. - +1 mb	Wx clear frosty	Wx M CUNM & DEEP M NICE	Wx clear & chilly
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	Vis. 25 mi.	Vis. 25+ mi.	Vis. 20 mi.

$\bar{T}$: 31
HDD: 34
CDD: 0
ΣHDD: 212
ΣCDD: 0
ΣPCN_E: 0.19
ΣPCN_S: T

T_{DAVIS}: 25/22 T_W: M
T_{UNV}: 25/21 T_O: 22

PCN_{TB}: 0.00
ΣPCN_{TB}: 0.13

Thursday 9 December 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 48 °F	Dir. E	Temp. 78 °F			
Min. * 21 °F	Vel. 2 m.p.h.	Read. 29.14 in.	** fog in valley * OVNT LOW 28		
Set 29 °F	Char. light	Corr. 29.00 in.	0700	1300	1900
R.H. 86 %	24 hr. Mov. M mi.	Sea L. 30.40 in.	Clds. Sc 4/10 St	Clds. Cc 10	Clds. Ac 7/10
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. — 0 mb	Wx calm	Wx Nice slight cool	Wx COOL
Ppn. Sol. 0.0 in.	Snow Depth — in.	Observer PLD	Vis. 20** mi.	Vis. 25+ mi.	Vis. 25+ mi.

$\bar{T}$: 35

H_{DD}: 30

C_{DD}: 0

T_{DAVIS}: 32/26

T_{UNIV}: 28/24

T_W: M

T_D: 26

$\sum H_{DD}$: 239

$\sum C_{DD}$: 0

$\sum PCN_L$: .19

$\sum PCN_S$: T

PCN_{TB}: 0.00

$\sum PCN_{TB}$: 0.13

FRIDAY DECEMBER 10, 1

Meteorology
University Park, PA

0700 EST			General Obs.
Temp.	Wind	Barom.	* OVERNIGHT LOW = 34
Max. 53 °F	Dir. —	Temp. 77 °F	** FOR DAVIS
Min. 28 * °F	Vel. 0 m.p.h.	Read. 28.77 in.	
Set 35 °F	Char. CALM	Corr. 28.63 in.	
R.H. 78 %	24 hr. Mov. — mi.	Sea L. 30.02 in.	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. \ -6 mb	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer ARD	

	0700	1300	1900
Clds.	10/10 AS	10/10 NS	10/10 AS SC
Wx	COLD	-02	COLD STEADY & GUSTY WINDS
Vis.	6 mi.	1.6 mi.	10 mi.

$H_{DD} = 24$

$C_{DD} = 0$

$\Sigma H_{DD} = 263$

$\Sigma C_{DD} = 0$

$\Sigma PCN_L = 0.19$

$\Sigma PCN_S = T$

$T_{DAVIS} = 34/29$

$T_{UNV} = 34/27$

$T_W = —$

$T_D = 29^{**}$

$PCN_{TB} = 0.00$

$\Sigma PCN_{TB} = 0.13$

SATURDAY DECEMBER 16 1989

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.
Max. 48 °F	Dir. WNW	Temp. 75 °F	SPRINKLES & DRIZZLE BEGINS 8:[illegible]
Min. 34 °F	Vel. 14 m.p.h.	Read. 29.00 in.	RA 9:00 – 12:00 LT
Set 34 °F	Char. GUSTY	Corr. 28.86 in.	+DZ 13:00 – 13:30 LT
R.H. 61 %	24 hr. Mov. — mi.	Sea L. 30.27 in.	
Ppn. 0.11 Liq. in.	Prev. Dir. —	3 hr. Tend. +2 mb	
Ppn. 0.0 Sol. in.	Snow Depth 0 in.	Observer ARD	

0700	1300	1900
Clds. 5/10 SC CU	Clds.	Clds. 0/10
Wx BRUTALLY COLD WIND CHILLS	Wx	Wx clear cold
Vis. 25+ mi.	Vis. mi.	Vis. 6 mi.

$T = 41$

$H_{DD} = 24$

$C_{DD} = 0$

$\Sigma H_{DD} = 287$

$\Sigma C_{DD} = 0$

$\Sigma PCN_L = 0.30$

$\Sigma PCN_S = T$

$T_{DAVIS} = 34/22$ $T_W = -$

$T_{UNV} = 34/21$ $T_D = 22$

$PCN_{TB} = 0.08$

$\Sigma PCN_{TB} = 0.21$

Sunday 12 December 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. WSW	Temp. 76 °F	contrails		
Min. 24 °F	Vel. 0 m.p.h.	Read. 29.02 in.			
Set 26 °F	Char. calm	Corr. 28.88 in.	0700	1300	1900
R.H. 81 %	24 hr. Mov. M mi.	Sea L. 30.33 in.	Clds. 3/10 CI AC	Clds.	Clds. 3/10 Cs
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. 1 - 1 mb	Wx cold frosty	Wx	Wx cold
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	Vis. 25 mi.	Vis. mi.	Vis. 15 mi.

$\bar{T}$: 33
HDD: 32
CDD: 0
ΣHDD: 319
ΣCDD: 0
ΣPCN_l: 0.30
ΣPCN_s: T

T_{DAVIS}: 27/21 T_W: M
T_{UNV}: 23/19 T_D: 21

PCN_{TB}: 0.00
ΣPCN_{TB}: 0.21

Monday 13 December 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 45 °F	Dir. ESE	Temp. 76 °F	-RASH 04LT-0525LT -RASH 0615LT-OB *overnight low 31° FGW PE ~04 LT		
Min. 23* °F	Vel. 0 m.p.h.	Read. 28.89 in.			
Set 34 °F	Char. calm	Corr. 28.75 in.	0700	1300	1900
R.H. 79 %	24 hr. Mov. M mi.	Sea L. 30.19 in.	Clds. 10/10 NS	Clds.	Clds. 10/10 NS
Ppn. Liq. 0.01 in.	Prev. Dir. M	3 hr. Tend. /+1 mb	Wx -RASH	Wx	Wx -DZ
Ppn. Sol. T in.	Snow Depth 0 in.	Observer MAW	Vis. 10 mi.	Vis. mi.	Vis. 5 mi.

$\bar{T}$: 34
HDD: 31
CDD: 0
ΣHDD: 350
ΣCDD: 0
ΣPCN_2: 0.31
ΣPCN_S:

T_{DAVIS}: 34/29 T_W: M
T_{UNV}: 32/28 T_O: 29

PCN_{TB}: 0.00
ΣPCN_{TB}: 0.21

Tuesday 14 December 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 38 °F	Dir. N	Temp. 76 °F	-RASH 08- 20:00 LT -RASH 5:15- 08 LT
Min. 33 °F	Vel. 10-gust to 20 m.p.h.	Read. 28.81 in.	
Set 35 °F	Char. variable	Corr. 28.69 in.	
R.H. 94 %	24 hr. Mov. M mi.	Sea L. 30.10 in.	
Ppn. Liq. 0.35 in.	Prev. Dir. M	3 hr. Tend. \-2 mb	
Ppn. Sol. 0 in.	Snow Depth — in.	Observer AOH	

* From Davis

0700	1300	1900
Clds. 10/10 Ns	Clds.	Clds. 10/10 Ns
Wx rain	Wx	Wx -DZ
Vis. 3 mi.	Vis. mi.	Vis. 3 mi.

$\bar{T}$: 36

H_{00} : 29

C_{00} : 0

ΣH_{00} : 379

ΣC_{00} : 0

T_{max} : 36/34

T_{min} : 36/32

T_R : M

T_O : 34*

* From davis

ΣPLN_E : 0.66

ΣPLN_S : —

PLN_{TG} : 0.76

ΣPLN_{TM} : 0.47

Wednesday 15 December 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 40 °F	Dir. ESE	Temp. 76 °F	few pellets 1800-1900 LT +RASH 0700-0910 LT +RASH 1115-1600 LT -RASH 1825-1915 LT		
Min. 34 °F	Vel. 6 m.p.h.	Read. 28.90 in.			
Set 37 °F	Char. Variable	Corr. 28.76 in.			
			0700	1300	1900
R.H. 100 %	24 hr. Mov. M mi.	Sea L. 30.21 in.	Clds. 10/10 SC	Clds. 10/10 SC	Clds.
Ppn. Liq. 0.97 in.	Prev. Dir. M	3 hr. Tend. -+1 mb	Wx foggy	Wx fog and low clouds	Wx
Ppn. Sol. T in.	Snow Depth 0 in.	Observer RMW	Vis. 3.6 mi.	Vis. 5 mi.	Vis. mi.

$\bar{T}$: 37
HDD: 28
CDD: 0
ΣHDD: 407
ΣCDD: 0
ΣPCN_L: 1.62
ΣPCN_S: T

T_{DAUS}: 38/37 T_W: 37
T_{UNU}: 37/36 T_O: 37

PCN_{TB}: 0.87
ΣPCN_{TB}: 1.34

Thursday 16 December

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 43 °F	Dir. W	Temp. 74 °F	-SHSN 0530-0600		
Min. 35 °F	Vel. 10 m.p.h.	Read. 28.79 in.	-DZ 2305 - 0015		
Set 35 °F	Char. gusty	Corr. 28.56 in.	0700	1300	1900
R.H. 79 %	24 hr. Mov. M mi.	Sea L. 29.94 in.	Clds. 7/10 Ci St Nc Cs Ns	Clds. 7/10 Sc Cs Ci	Clds. 7/10 Sc Ac As
Ppn. Liq. .02 in.	Prev. Dir. M	3 hr. Tend. — 1 mb	Wx -SHSN	Wx FEW FLURRIES AND WIND VERY COLD	Wx
Ppn. Sol. T in.	Snow Depth — in.	Observer PLD	Vis. 20 mi.	Vis. 25 mi.	Vis. 25+ mi.

T: 39

H_{DD}: 216

C_{DD}: 0

ΣH_{DD}: 433

ΣC_{DD}: 0

ΣPCN_L: 1.65

ΣPCN_S: T

T_{UNV} 33/30

T_{DAVIS} 35/29

T_W: M

T_D: 29*

PCN_{TB}: .02

ΣPCN_{TB}: 1.36

FRIDAY DECEMBER 17, 1999

Meteorological Observatory
University Park, PA

0700 EST

Temp.	Wind	Barom.	* FROM PAMS General Obs.		
Max. 37 °F	Dir. SW	Temp. 73 °F	-SHSN 9:10-9:40 LT -SHSN 10:15-11:15 LT FEW FLURRIES AROUND 15:30 LT SHSN 15:50-16:10 LT -SHSN 16:35-16:50 LT		
Min. 26 °F	Vel. 2 m.p.h.	Read. 28.96 in.			
Set 27 °F	Char. LIGHT	Corr. 28-83 in.			
			0700	1300	1900
R.H. 72 %	24 hr. Mov. — mi.	Sea L. 30-26 in.	Clds. 2/10 FEW Ci TIM CU	Clds.	Clds. 10/10 St
Ppn. T Liq. in.	Prev. Dir. —	3 hr. Tend. +2 mb	Wx AP SMOKE FRIGID	Wx	Wx OMITTED
Ppn. Sol. T in.	Snow Depth 0 in.	Observer ARP	Vis. 25+ mi.	Vis. mi.	Vis. 10 mi.

$T = 32$

$H_{DP} = 33$

$C_{DP} = 0$

$\Sigma H_{DP} = 466$

$\Sigma C_{DP} = 0$

$\Sigma PCN_L = 1.65$

$\Sigma PCN_S = T$

$T_{UNV} = 29/18$

$T_{DAVIS} = 29/18$

$T_W = -$

$T_D = 19^*$

$PCN_{TB} = 0.00$

$\Sigma PCN_{TB} = 1.36$

Saturday 18 December 1909 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 37 °F	Dir. NE	Temp. 76 °F	-SHSN @2130-2145		
Min. 26 °F	Vel. 3 m.p.h.	Read. 29.00 in.			
Set 31 °F	Char. light	Corr. 28.86 in.	*derived from Davis		
R.H. 74 %	24 hr. Mov. M mi.	Sea L. 30.27 in.	0700	1300	1900
Ppn. Liq. T in.	Prev. Dir. M	3 hr. Tend. /2 mb	Clds. 10/10 St	Clds.	Clds. 9/10 Cu SC
Ppn. Sol. T in.	Snow Depth — in.	Observer PLD	Wx grey	Wx	Wx chilly
			Vis. 15 mi.	Vis. mi.	Vis. 6 mi.

$\bar{T}$: 32

H_{DD}: 33

C_{DD}: 0

T_{UNV} 30/23

T_{Davis}: 32/24

T_W M

T_D: 34*

$\sum H_{DD}$: 499

$\sum C_{DD}$: 0

$\sum PCN_L$: 1.65

$\sum PCN_S$: T

PCN_{TB}: 0.00

$\sum PCN_{TB}$: 1.36

Sunday 19 December 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 38 °F	Dir. ENE	Temp. 74 °F			
Min. 27 °F	Vel. 2 m.p.h.	Read. 29.17 in.			
Set 27 °F	Char. light	Corr. 29.04 in.	0700	1300	1900
R.H. 69 %	24 hr. Mov. M mi.	Sea L. 30.48 in.	Clds. 1/10 AS	Clds.	Clds. 10 CU 1/10 SC
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. + 1/2 mb	Wx clear & cold	Wx	Wx nice
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	Vis. 10 mi.	Vis. mi.	Vis. 6 mi.

$\bar{T}$: 33
HDD: 32
CDD: 0
ΣHDD: 531
ΣCDD: 0
ΣPCN_ℓ: 1.65
ΣPCN_S: T

T_{DAVIS}: 29/20 T_W: M
T_{UNU}: 27/19 T_D: 20

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.36

Monday 20 December 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. E	Temp. 76 °F	*overnight low 36° -DZ 0640-0B LT		
Min. * 27 °F	Vel. 4 m.p.h.	Read. 29.08 in.			
Set 36 °F	Char. light	Corr. 28.94 in.	0700	1300	1900
R.H. 100 %	24 hr. Mov. M mi.	Sea L. 30.39 in.	Clds. 10/10 NS	Clds.	Clds. 10/10 CU SC AS
Ppn. Liq. 0.03 in.	Prev. Dir. M	3 hr. Tend. \-1 mb	Wx -DZ	Wx	Wx damp
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	Vis. 3.6 mi.	Vis. mi.	Vis. 1.6 mi.

F: 35
HDD: 30
CDD: 0
ΣHDD: 561
ΣCDD: 0
$EPCN_L$: 1.68"
$EPCN_S$: T

T_{DAUIS}: 36/34 T_W: 36
T_{UNU}: 36/30 T_D: 36

PCN_{TB}: 0.02
$EPCN_{TB}$: 1.38

Tuesday 21 December 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 44 °F	Dir. WSW	Temp. 75 °F	-RASH 0730 LT-0815 LT -RASH+ 0850 LT-0945 LT -RASH 1020-1050 LT OCCL-AA 1130-1600 LT DZ OBS = 1900 LT		
Min. 25 °F	Vel. 12 m.p.h.	Read. 29.03 in.			
Set 25 °F	Char. Steady	Corr. 28.89 in.			
			0700	1300	1900
R.H. 58 %	24 hr. Mov. M mi.	Sea L. 30.34 in.	Clds. AC 9/10 AS	Clds.	Clds. 10/10 AS
Ppn. Liq. 0.36 in.	Prev. Dir. M	3 hr. Tend. /+1 mb	Wx cold blustery	Wx	Wx cold!
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	Vis. 20 mi.	Vis. mi.	Vis. 6 mi.

$\bar{T}$: 35
HDD: 30
CDD: 0
ΣHDD: 591
ΣCDD: 0
ΣPCN_ℓ: 2.04
ΣPCN_s: T

T_{DAVIS}: 25/12 T_W: M
T_{UNV}: 27/14 . T_D: 12

PCN_{TB}: 0.37
ΣPCN_{TB}: 1.75

Wednesday 22 December 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 36 °F	Dir. W	Temp. 77 °F			
Min. 25 °F	Vel. 10 m.p.h.	Read. 29.12 in.			
Set 25 °F	Char. steady	Corr. 28.98 in.	0700	1300	1900
R.H. 60 %	24 hr. Mov. M mi.	Sea L. 30.43 in.	Clds. AS AC 7/10 CU	Clds. CLR	Clds. 0/10
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. / + 1 mb	Wx cold dry	Wx NICE, IN A BORING WAY	Wx clear cold
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	Vis. 10 mi.	Vis. 25 mi.	Vis. 6 mi.

$\bar{T}$: 31
HDD: 34
CDD: 0
ΣHDD: 625
ΣCDD: 0
ΣPCN_e: 2.04
ΣPCN_s: T

T_{DAVIS}: 25/13
T_{UNU}: 25/12

T_W: M
T_D: 13

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.75

Thursday 23 December 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 32 °F	Dir. SW	Temp. 79 °F			
Min. 21 °F	Vel. 6 m.p.h.	Read. 29.02 in.			
Set 24 °F	Char. Steady	Corr. 28.87 in.			
R.H. 55 %	24 hr. Mov. M mi.	Sea L. 30.32 in.	0700	1300	1900
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. 1-1 mb	Clds. 9/10 AS Wx cold dry	Clds. Wx	Clds. 0/10 Wx cold clear
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer MAW	Vis. 20 mi.	Vis. mi.	Vis. 6 mi.

$\bar{T}$: 27
HDD: 38
CDD: 0
ΣHDD: 663
ΣCDD: 0
ΣPCN_L: 2.04
ΣPCN_S: T

T_{DAVIS}: 26/10
T_{UNIV}: 25/9

T_W: M
T_D: 10

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.75

Friday 24 December 1999

Meteorological Observatory
University Park, PA
0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 32 °F	Dir. NW	Temp. 80 °F	occasional -SN 08 LT ≈ 1400 LT		
Min. 14 °F	Vel. 2 m.p.h.	Read. 29.01 in.			
Set 14 °F	Char. light	Corr. 28.86 in.			
			0700	1300	1900
R.H. 62 %	24 hr. Mov. M mi.	Sea L. 30.30 in.	Clds. AS 5/10 AC	Clds.	Clds. 0/10
Ppn. T Liq. in.	Prev. Dir. M	3 hr. Tend. −0 mb	Wx cold dry	Wx	Wx clear cold starry
Ppn. T Sol. in.	Snow Depth 0 in.	Observer MAW	Vis. 20 mi.	Vis. mi.	Vis. 6 mi.

T: 23
HDD: 42
CDD: 0
ΣHDD: 705
ΣCDD: 0
ΣPCN_ℓ: 2.04
ΣPCN_S: T

T_{DAVIS}: 14/3 T_W: M
T_{UNV}: 14/3 T_O: 3

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.75

Saturday 25 December 1999 Meteorological Observatory
0700 EST University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 30 °F	Dir. SW	Temp. 80 °F	occasional - SN 14 - 15 LT		
Min. 12 °F	Vel. 6 m.p.h.	Read. 29.20 in.			
Set 12 °F	Char. Variable	Corr. 29.05 in.	0700	1300	1900
R.H. 80 %	24 hr. Mov. M mi.	Sea L. 30.50 in.	Clds. CU AC AS 2/10	Clds.	Clds. 5/10 As, Ci.
Ppn. T Liq. in.	Prev. Dir. M	3 hr. Tend. / + 1 mb	Wx clear cold	Wx	Wx C-OH-HO - HO-LD
Ppn. T Sol. in.	Snow Depth 0 in.	Observer MAW	Vis. 20 mi.	Vis. mi.	Vis. 10+ mi.

F: 21
HDD: 44
CDD: 0
ΣHDD: 749
ΣCDD: 0
ΣPCN_e: 2.04
ΣPCN_s: T

T_{DAUIS}: 13/8 T_W: M
T_{UNU}: 12/9 T_D: 8

PCN_{TB}: 0.00
ΣPCN_{TB}: 1.75

Sunday 26 December 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 27 °F	Dir. S	Temp. 70 °F			
Min. 12* °F	Vel. 10 m.p.h.	Read. 28.50 in.	* OVNLOW 19°F		
Set 25 °F	Char. CONSTANT	Corr. 28.38 in.	0700	1300	1900
R.H. 47 %	24 hr. Mov. M mi.	Sea L. 29.78 in.	Clds. 7/10 AS CS	Clds.	Clds. 10/10 NS
Ppn. Liq. 0 in.	Prev. Dir. M	3 hr. Tend. \-2 mb	Wx CLR	Wx	Wx WINDY -SN COLD
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer APH	Vis. 20 mi.	Vis. mi.	Vis. 10 mi.

$\bar{T}$: 20

t_{Davis}: 26/9

T_{av}: 14

HDD · 45

CDD 0

T_{max}: 24/6

T_b : 9.

b from Davis

ΣH_{DD} : 794

ΣC_{DD}: 0

$\Sigma PLNe$: 2.04

$\Sigma PLNs$: ?

PLN_{Tb}: 0.00

ΣPLN_{Tb}: 1.75

Monday 27 December 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.
Max. 32 °F	Dir. W	Temp. 75 °F	16:00 LT – 19:15 LT – SN 22:00 LT – 1:00 LT – SN ~4:30 LT – 6:50 LT – SN
Min. 24 °F	Vel. 15 m.p.h.	Read. 28.63 in.	
Set 24 °F	Char. constant	Corr. 28.99 in.	
R.H. 70 %	24 hr. Mov. ~ mi.	Sea L. 29.92 in.	
Ppn. Liq. T in.	Prev. Dir. ~	3 hr. Tend. / +0.5 mb	
Ppn. Sol. 0.1 in.	Snow Depth T in.	Observer ADH	

0700	1300	1900
Clds. 10/10 St	Clds.	Clds.
Wx cold	Wx	Wx
Vis. 15 mi.	Vis. mi.	Vis. mi.

$\bar{T}$: 28

H_{DD} : 37

C_{DD} : 0

ΣH_{DD} : 831

ΣC_{DD} : 0

T_{Davis} : 24/14

T_{min} : 17

T_0 : 24

From davis

$\Sigma PLNE$: 2.04

$\Sigma PLNS$: 0.1

$PLNTB$: 0

$\Sigma PLNTB$: 1.75

28 December 1999 Tuesday

0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 28 °F	Dir. W	Temp. 78 °F	0700 - 1615 OCCL -SN		
Min. 11 °F	Vel. 5 m.p.h.	Read. 28.63 in.	1615 - 1645 +SHSN		
Set 11 °F	Char. Light	Corr. 28.49 in.	0345 - 0400 -SHSN		
			0515 - 0615 OCCL -SN		
R.H. 73 %	24 hr. Mov. M mi.	Sea L. 29.96 in.	0700	1300	1900
Ppn. Liq. 0.01 in.	Prev. Dir. M	3 hr. Tend. \-1 mb	Clds. 3/10 CS/CC	Clds.	Clds. 10/10 NS
Ppn. Sol. 02 in.	Snow Depth T in.	Observer AOH	Wx cold	Wx	Wx -SN
			Vis. 7 5 mi.	Vis. mi.	Vis. 7 mi.

$\bar{T}$: 20

T_{Davis}: 14/7

T_w: M

T_D: *7

* From Davis

H_{DO}: 45

C_{DO}: 0

ϵH_{DO}: 876

ϵC_{DO}: 0

PCN_{TDi} 0

ϵPCN_{TDi} 1.75

ϵPCN_R: 2.05

ϵPCN_S: 03

Wednesday 29 December 1869

Meteorological Observatory
University Park, PA
0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 25 °F	Dir. W	Temp. 77 °F	1045 - 1210 OCCL -SHSN 1715 - 2200 OCCL -SN 2300 - 2330 OCCL -SN 0100 - 0145 -SHSN * OVNT LOW 24		
Min. * 11 °F	Vel. 14 m.p.h.	Read. 28.55 in.			
Set 24 °F	Char. gusty	Corr. 28.41 in.	0700	1300	1900
R.H. 72 %	24 hr. Mov. M mi.	Sea L. 29.82 in.	Clds. 5c 10/10 5c	Clds.	Clds. Cs 8/10 Cc
Ppn. Liq. 0.01 in.	Prev. Dir. M	3 hr. Tend. 14 mb	Wx chilly	Wx	Wx cold
Ppn. Sol. 0.1 in.	Snow Depth T in.	Observer PLD	Vis. 10 mi.	Vis. mi.	Vis. 7 mi.

$\bar{T}$: 18

H_{DD}: 47

C_{DD}: 0

$\sum H_{DD}$: 923

$\sum C_{DD}$: 0

$\sum PCN_L$: 2.06

$\sum PCN_S$: 0.24

T_{Davis}: 24/16

T_{UNV}: 23/16

T_W: H

T_D: 16[x]

[x] from Davis

PCN_{TB}: 0.00

$\sum PCN_{TB}$: 1.75

Thursday 30 December 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 110 °F	Dir. W	Temp. 76 °F			
Min. 24* °F	Vel. 25 m.p.h.	Read. 28.58 in.			
Set 40 °F	Char. CONSTANT	Corr. 28.45 in.	*OVNIGHT 40°		
			0700	1300	1900
R.H. 67 %	24 hr. Mov. M mi.	Sea L. 29.82 in.	Clds. 10/10 As Cs	Clds.	Clds. 10/10 SL
Ppn. 0 Liq. in.	Prev. Dir. M	3 hr. Tend. ↗ + 1 mb	Wx warm	Wx	Wx warm
Ppn. 0 Sol. in.	Snow Depth 0 in.	Observer AOH	Vis. 20 mi.	Vis. mi.	Vis. 7 mi.

$\bar{F}$: 32

H_{DD} : 33

C_{DD} 0

ΣH_{DD} : 956

ΣC_{DD} : 0

T_{Davis} : 40/30

T_{mar} : 37/27

T_m : M

T_O : 30 *

* From Davis

ΣPLN_L : 206

ΣPLN_S : 0.[illegible]

PLN_{TA} : 0

ΣPLN_{TB} : 1.75

Friday 31 December 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 42 °F	Dir. WNW	Temp. 78 °F	- DZ 0515 - 0630		
Min. 29 °F	Vel. 2 m.p.h.	Read. 28.89 in.			
Set 35 °F	Char. calm	Corr. 28.75 in.	0700	1300	1900
R.H. 95 %	24 hr. Mov. M mi.	Sea L. 30.15 in.	Clds. 10/10 St	Clds.	Clds. 0/10
Ppn. Liq. 0.02 in.	Prev. Dir. M	3 hr. Tend. -1 mb	Wx Hazy + foggy	Wx	Wx Nice
Ppn. Sol. 0.00 in.	Snow Depth 0 in.	Observer PLD	Vis. 0.5 mi.	Vis. mi.	Vis. 20 mi.

$\bar{T}$: 36

H_{DD} : 29

C_{DD} : 0

T_{DAVIS} 35/34

T_{UNV} : 34/32

T_M : M

T_D : 34/*

*from Davis

$\sum H_{DD}$ 985

$\sum C_{DD}$: 0

	DECEMBER	1999	
	$\bar{T}_{MAX}$ = 40.6	$\bar{T}_{MAX}$ = 60.4	
$\sum PCN_L$: 2.08	$\bar{T}_{MIN}$ = 25.3	$\bar{T}_{MIN}$ = 41.7	PCN_{TB} : 0.00
$\sum PCN_S$: 0.4	$\bar{T}_{DEC}$ = 32.9	$\bar{T}_{AVG}$ = 51.1	
		$\sum PCN_V$ = 38.07 *	$\sum PCN_{TB}$: