

Friday JANUARY 1, 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	22 °F	Dir.	W	Temp.	70 °F	+SN INTERMITTENT ~0800 - 1200 (31ST)			
Min.	15 °F	Vel.	13 m.p.h.	Read.	28.92 in.				
Set	16 °F	Char.	G 22	Corr.	28.81 in.				
R.H.	61 %	24 hr. Mov.	M mi.	Sea L.	30.28 in.	0700	1300	1900	
Clds.	4/10 sc	Clds.		Clds.	2/10 sc				
Ppn.	T in.	Prev. Dir.	M	3 hr. Tend.	+1.9 mb	Wx	BRISK	Wx	COLD!
Ppn.	0.1 in.	Sol.		Snow Depth	T in.	Observer	FJG	Vis.	15 mi.
						Vis.	15 mi.	Vis.	15 mi.

$$\bar{T} = 19$$

$$H_{DD} = 46$$

$$C_{DD} = 0$$

$$\sum H_{DD} = 46$$

$$\sum C_{DD} = 0$$

$$\sum PEN_L = T$$

$$\sum PEN_S = 0.1$$

$$T_{DAVIS} = 15/4$$

$$T_{UNV} =$$

SATURDAY 2 JANUARY 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	21 °F	Dir.	NE	Temp.	70 °F		
Min.	8 °F	Vel.	4 m.p.h.	Read.	29.28 in.		
Set	8 °F	Char.	LIGHT	Corr.	29.16 in.	* DERIVED FROM DAVIS	
						0700	1300
R.H.	52 %	24 hr. Mov.	M mi.	Sea L.	30.66 in.	Clds.	6/10 ^{Sc}
						Clds.	10/10 ^{Ns}
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	7-1 mb	Wx	COLD START
						Wx	- SN
Ppn.	- in.	Snow Depth	T in.	Observer	SRS	Vis.	15 mi.
						Vis.	mi.
						Vis.	4 mi.

\bar{T} 15

H_{DD} 50

C_{DD} \emptyset

ΣH_{DD} 96

ΣC_{DD} \emptyset

ΣPCN_{ET}

$\Sigma PCN_S = 0.1''$

T_{DAVIS} 9/-6

T_{UNV} 7/-1

$T_w -$

$T_D - 6$

PCN_{TB} \emptyset

ΣPCN_{TB} \emptyset

SUNDAY 3 JANUARY 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	27 °F	Dir.	Temp.	1000 LT - 1500 LT - SN (JAN 2)		
		-	72 °F	1800 LT - 2000 LT - SN (JAN 2)		
Min.	8 °F	Vel.	Read.	2200 LT - 0100 LT PL (JAN 2-3)		
		- m.p.h.	28.55 in.	0100 LT - OBS FZRA W/ OCLL PL (JAN 3)		
Set	27 °F	Char.	Corr.	Δ OVERNIGHT LOW 24		
		calm	28.42 in.	* DERIVED FROM DAVIS		
				0700	1300	1900
R.H.	93 %	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
		M mi.	29.82 in.	10/10 NS		9/10 SC
Ppn.	.89 in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		M	L-3 mb	-FZRA		BLUSTERY
Ppn.	2.5 in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		.2 in.	SRS	2 mi.	mi.	10 mi.

\bar{T} 18

H_{DD} 47

$C_{DD} \emptyset$

ΣH_{DD} 143

$\Sigma C_{DD} \emptyset$

ΣPCN_L 0.89

ΣPCN_S 2.6"

T_{DAVIS} 26/25

T_{UNV} 26/26

T_w -

T_D 25

PCN_{TB} 0.73
 ΣPCN_{TB} 0.73

MONDAY 4 JANUARY 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	35 °F	Dir. W	Temp. 68 °F	- FERA OBS - 0710 LT - SHSN ~ 1200 LT FRT - SHSN 1905 - OBS		
Min.	14 °F	Vel. 8 m.p.h.	Read. 28.79 in.			
Set	14 °F	Char. BUSTY	Corr. 28.67 in.	0700	1300	1900
R.H.	56 %	24 hr. Mov. M mi.	Sea L. 30.13 in.	Clds. 8/10 Sc	Clds.	Clds. CLR
Ppn.	Liq. T in.	Prev. Dir. M	3 hr. Tend. +1.6 mb	Wx OCCL SHSN	Wx	Wx FEW Sc
Ppn.	Sol. T in.	Snow Depth 2 in.	Observer WJS	Vis. 20 mi.	Vis. mi.	Vis. 15 mi.

$$\bar{T} = 25$$

$$H_{AD} = 40$$

$$\sum H_{AD} = 183$$

$$\sum PCN_L = 0.89''$$

$$\sum PCN_S = 2.6''$$

$$T_{DNIS} = 14/1$$

$$T_{UNV} = 14/3$$

$$T_W = N/A$$

$$T_D = 1$$

$$PCN_{T0} = 0.00''$$

$$\sum PCN_{T0} = 0.73''$$

TUESDAY 5 JANUARY 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	17 °F	Dir. SW	Temp. 69 °F	-SHSN 0730 - 1100		
Min.	6 °F	Vel. 3 m.p.h.	Read. 29.10 in.			
Set	6 °F	Char. LIGHT	Corr. 28.98 in.	0700	1300	1900
R.H.	66 %	24 hr. Mov. M mi.	Sea L. 30.48 in.	Clds. 1/10 st	Clds.	Clds. CLR
Ppn.	Liq. T in.	Prev. Dir. M	3 hr. Tend. 141.1 mb	Wx COLD!	Wx	Wx COLDER!
Ppn.	Sol. T in.	Snow Depth 2 in.	Observer WJS	Vis. 20 mi.	Vis. mi.	Vis. 20 mi.

$$\begin{aligned}\bar{T} &= 12 \\ H_{20} &= 53 \\ \Sigma H_{20} &= 236 \\ \Sigma PCN_L &= 0.89'' \\ \Sigma PCN_S &= 2.6''\end{aligned}$$

$$\begin{aligned}T_{DAVIS} &= 6/-3 \\ T_{UNV} &= 5/-2\end{aligned}$$

$$\begin{aligned}T_W &= N/A \\ T_D &= -3\end{aligned}$$

$$\begin{aligned}PCN_M &= 0.00'' \\ \Sigma PCN_M &= 0.73''\end{aligned}$$

$$\bar{T} = 10$$

$$H_{PD} = 55$$

$$\Sigma H_{PD} = 291$$

$$\Sigma PCN_L = 0.89''$$

$$\Sigma PCN_S = 2.6''$$

$$T_{DAVIS} = 7/-3$$

$$T_{UNV} = 5/0$$

$$T_W = M/A$$

$$T_D = -3$$

$$PCN_{T_D} = 0.05''$$

$$\Sigma PCN_{T_D} = 0.73''$$

THURSDAY 7 JANUARY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	31 °F	Dir.	WSW	Temp.	71 °F	- SN 0825 - 0930 LT		
Min.	6 * °F	Vel.	8G 19 m.p.h.	Read.	29.06 in.	- SN 1215 - 1245 LT		
Set	17 °F	Char.	GUSTY	Corr.	28.94 in.	- SN 145		
R.H.	56 %	24 hr. Mov.	M mi.	Sea L.	30.38 in.	0700	1300	1900
Ppn.	0.10 in.	Prev. Dir.	M	3 hr. Tend.	+ 3.5 mb	Clds.	Clds.	Clds.
Ppn.	1.5 in.	Snow Depth	3 in.	Observer	TJO	Wx	Wx	Wx
						Wx	Wx	Wx
						Vis.	Vis.	Vis.
						25 mi.	mi.	25 mi.

* OVERNIGHT LOW 17

5/10 SC

Wx WINDY

Wx COLD!

4/10 ci

T 19

TDAYS 17/04

TW -

TUNV 18/09

TD 04

HDD #6

CDD 0

Σ HDD 357

Σ CDD 0

Σ PCN_L 0.99

Σ PCN_S 4.1

PCN_{TB} 0.02

Σ PCN_{TB} 0.75

FRIDAY 8 January 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 21 °F	Dir. E	Temp. 71 °F	-SN 0600 - OBS LT			
Min. 6 °F	Vel. 2 m.p.h.	Read. 29.21 in.				
Set 14 °F	Char. light	Corr. 29.09 in.	* From DAVIS			
			0700	1300	1900	
R.H. 84 %	24 hr. Mov. M mi.	Sea L. 30.58 in.	Clds. 10/10 NS	Clds.	Clds. 10/10 NS	
Ppn. T in.	Liq. in.	Prev. Dir. M	3 hr. Tend. +0 mb	Wx -SN	Wx	Wx IP
Ppn. 0.3 in.	Sol. in.	Snow Depth 3 in.	Observer TJO	Vis. 3 mi.	Vis. mi.	Vis. 5 mi.

T 14

HDD 51

CDD 0

Σ HDD 388

Σ CDD 0

Σ PCNL 0.99

Σ PCNS 4.4

TDAVS 15/10

TUNV 12/9

TW -

TD 10⁶

* FROM DAVIS

PCNTB 0
EPCNTB 0.75

Saturday 9 January 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 34 °F	Dir. -	Temp. 72 °F		- SN 0700 - 0900 LT		
				- SN 0930 - 1430 LT		
				- SN 0930 - 1430 LT		
				- DZ 1630 - 1700 LT		
Min. 13 °F	Vel. - m.p.h.	Read. 28.62 in.		- IP 1700 - 1900 LT		
				- IP 1900 - 2200 LT		
				PZRA 0700 - OBS LT		
Set 34 °F	Char. CALM	Corr. 28.50 in.		0700	1300	1900
R.H. 92 %	24 hr. Mov. m mi.	Sea L. 29.90 in.	Clds. 10/10 NS	Clds.	Clds. 10/10 NS	
Ppn. Liq. 0.0 in.	Prev. Dir. M	3 hr. Tend. 1-2 mb	Wx RA	Wx	Wx -SN	
Ppn. Sol. 2.0 in.	Snow Depth 4 in.	Observer TJO	Vis. 3 mi.	Vis. mi.	Vis. 3 mi.	

\bar{T} 24

HDD 41

CDD 0

Σ HDD 429

Σ CDD 0

Σ PCWL 1.74

Σ PCNS 6.4

T DAVIS m/m

T UNW 32/30

T W M

T D 30*

* FROM UNW

PCN TB 0.44

Σ PCN TB 1.19

at 48

SUNDAY 10 JANUARY 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	37 °F	Dir.	NW	Temp.	72 °F	FZRA, -RA OBS - 10:00LT (JAN9)		
Min.	9 °F	Vel.	5 m.p.h.	Read.	28.94 in.	-SN 10:00 - 13:00LT (JAN9)		
Set	9 °F	Char.	light	Corr.	28.82 in.	-SN 17:00 - 22:00LT (JAN9)		
R.H.	84 %	24 hr. Mov.	M mi.	Sea L.	30.29 in.	0700	1300	1900
Ppn.	0.16 in.	Prev. Dir.	M	3 hr. Tend.	/ +1 mb	Clds.	St 7/10 ci	Clds.
Ppn.	0.5 in.	Snow Depth	3 in.	Observer	SRS	Wx	BRRR!	Wx
						Vis.	15 mi.	Vis.
								20 mi.
								WWDY
								Clds. 10/10 ST

\bar{T} 23

H_{DD} 412

C_{DD} 0

ΣH_{DD} 471

ΣC_{DD} 0

ΣPCN_L 1.75

ΣPCN_S 6.9

T_{DAVIS} 11/5

T_{UNV} 10/4

T_W -

T_{D5} *

*FROM DAVIS

PCN_{TB}

ΣPCN_{TB}

Monday 11 January 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.	^{FT} -5 HSN 1700 - 2200			
23 °F	W	71 °F				
Min.	Vel.	Read.	* From DAVIS			
8 °F	16 m.p.h.	28.94 in.				
Set	Char.	Corr.	0700	1300	1900	
10 °F	steady	28.81 in.				
R.H.	24 hr. Mov.	Sea L.	Clds. sc	Clds. sc	Clds.	
58* %	M mi.	30.30 in.	4/10	3/10 cc	10/10	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
T in.	M	+4 mb	cold	FRIGID	-SN	
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
T in.	3 in.	AJD	25 mi.	25 mi.	1 mi.	

\bar{T} 16

H_{DD} 49

C_{DD} 0

ΣH_{DD} 520

ΣC_{DD} 0

ΣPCN_L 1.75

ΣPCN_S 6.9

T_{DAVIS} 10/2

T_{UNV} M

T_d -2*

TUESDAY 12 JANUARY 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 31 °F	Dir. WSW	Temp. 73 °F	SN 18:00LT - 21:00LT 23:00LT - 0430LT			
Min. 9 °F	Vel. 5 m.p.h.	Read. 28.70 in.				
Set 31 °F	Char. LIGHT	Corr. 28.57 in.	*TEMPS RISING THROUGH 20'S ONRT			
R.H. 79 %	24 hr. Mov. M mi.	Sea L. 29.97 in.	Clds. ST 10/10	Clds. ST 10/10	Clds. ST 10/10	0700 1300 1900
Ppn. Liq. 0.11 in.	Prev. Dir. M	3 hr. Tend. +1 mb	Wx WARMING UP	Wx NOT TOO BAD	Wx gloomy	
Ppn. Sol. 2.2 in.	Snow Depth 5 in.	Observer SRS	Vis. 15 mi.	Vis. 15 mi.	Vis. 15 mi.	

\bar{T} 20
H_{DD} 45
C_{DD} 0
 ΣH_{DD} 565
 ΣC_{DD} 0
 ΣPCN_L 1.86"
 ΣPCN_S 9.1"

T_{DAVIS} 31/27
T_{UNV} 27/23

T_D* 27
*FROM
DAVIS

PCN_{TB} 0.03"
 ΣPCN_{TB} 1.23"

WEDNESDAY 13 JANUARY 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	45 °F	Dir. SW	Temp. 74 °F	-RA 13:00 LT -17:30 LT 04 00 LT -OBS		
Min.	31 °F	* Vel. 5 m.p.h.	Read. 28.77 in.			
Set	45 °F	Char. LIGHT	Corr. 28.64 in.	* TEMPS IN 403 OVERNIGHT		
				0700	1300	1900
R.H.	86 %	24 hr. Mov. M mi.	Sea L. 30.01 in.	Clds. 10/10 NS	Clds. 10/10 NS	Clds. 10/10 NS
Ppn.	0.06 in.	Prev. Dir. M	3 hr. Tend. STEADY mb	Wx -RA	Wx -FZRA	Wx -FZRA PL
Ppn.	- in.	Snow Depth 2 in.	Observer SRS	Vis. 5 mi.	Vis. 3 mi.	Vis. 3 mi.

\bar{T} 38

H_{DD} 27

C_{DD} 0

ΣH_{DD} 592

ΣC_{DD} 0

ΣPCN_L 1.92"

ΣPCN_S 9.1"

T_{DAVIS} 45/41

T_{UNV} 41/38

T_w 43

T_D 41

PCN_{TB} 0.05"
 ΣPCN_{TB} 1.28

\bar{T} 28

H_{DD} 37

C_{DD} 0

ΣH_{DD} 629

ΣC_{DD} 0

ΣPCN_L 2.35

ΣPCN_S 10.0

T_{DAVIS} 11/6

T_{UNV} 9/5

T_d 6*

PCN_{TB} 0.28
 ΣPCN_{TB} 1.56

FRIDAY 15 January 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	22 °F	Dir.	N	Temp.	72 °F	PL OCNL FZDZ/F32A obs-095		
Min.	9 * °F	Vel.	4 m.p.h.	Read.	28.78 in.	-SN 0335 - obs LT		
Set	22 °F	Char.	LIGHT	Corr.	28.66 in.	* OVERNIGHT LOW 14		
R.H.	93 %	24 hr. Mov.	M mi.	Sea L.	3010 in.	Clds. 10/10 NS	Clds.	Clds. 10/10 ST
Ppn.	1.31 in.	Prev. Dir.	M	3 hr. Tend.	↓ -.5 mb	Wx -SN	Wx	Wx CHILLY
Ppn.	4.0 in.	Snow Depth	6 in.	Observer	TJO	Vis. ~ 5 mi.	Vis.	Vis. 15 mi.

\bar{T} 16

HDD 49

CDD 0

Σ HDD 678

Σ CDD 0

Σ PCNL 3.66

Σ PCNS 14.0

\bar{T} DAVIS 22/20
 \bar{T} UNV 19/19

\bar{T} W M
 \bar{T} D 20°

• FROM DAVIS

PCN TB 1.05
 Σ PCN TB 2.61

Saturday 16 January 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	25 °F	Dir.	-	Temp.	72 °F	-SU OCUL SU OBS - 0905 LT		
Min.	18 °F	Vel.	- m.p.h.	Read.	28.82 in.	-SHSN 1145 LT		
Set	24 °F	Char.	CALM	Corr.	28.70 in.	* Flam downs		
R.H.	80 %	24 hr. Mov.	M mi.	Sea L.	30.13 in.	0700	1300	1900
Ppn.	0.03 in.	Prev. Dir.	M	3 hr. Tend.	-0.5 mb	Clds. 10/10 REMOVE ST	Clds.	Clds. 2/10 SC
Ppn.	0.6 in.	Snow Depth	6 in.	Observer	TJO	Wx CALM AND COLD	Wx	Wx MILD
				Observer	TJO	Vis. 10 mi.	Vis.	Vis. 25 mi.

\bar{T} 22
HDD 43
CDD 0
 Σ HDD 721

TDAVIS 23/17
TUNV 21/18

\bar{T}_w M
 \bar{T}_D 17*
* FROM DAVIS

Σ CDD 0
 Σ PCWL 3.69
 Σ PCWS 14.6

PCWTB 0.01
 Σ PCWTB 2.62

SUNDAY 17 JANUARY 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. 47 °F	Dir. —	Temp. 72 °F	*OUNT Low 31				
Min. 24 °F	Vel. 0 m.p.h.	Read. 29.00 in.					
Set 31 °F	Char. CALM	Corr. 28.88 in.	+ DERIVED FROM OAVIS				
R.H. 88 %	24 hr. Mov. M mi.	Sea L. 30.32 in.	0700 Clds. 9/10 Ce/As	1300 Clds.	1900 Clds. 9/10 As		
Ppn. 0 in.	Liq. Prev. Dir. M	3 hr. Tend. 11.9 mb	Wx A BLACK ICE RINK	Wx	Wx mild		
Ppn. 0 in.	Sol. Snow Depth 5 in.	Observer EMB	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.		

\bar{T} 36

H_{DO} 29

C_{DO} ϕ

ΣH_{DO} 750

ΣC_{DO} ϕ

ΣPCN_L 3.69"

ΣPCN_S 14.6"

T_{DAVIS} 35/28

T_{UNV} 34/28

T_{DAVIS} 28

ΣPCN_{TB} 0

ΣPCN_{TB} 2.62

Monday 18 January 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	49 °F	Dir. SW	Temp. 74 °F	020LT - 0340 LT -RA		
Min.	30* °F	Vel. 9 m.p.h.	Read. 29.01 in.	*Overnight low 39		
Set	40 °F	Char. steady	Corr. 28.89 in.	0700	1300	1900
R.H.	93 %	24 hr. Mov. M mi.	Sea L. 30.28 in.	Clds. 10% St	Clds. X	Clds. 1/10 St
Ppn.	Liq. 0.08 in.	Prev. Dir. M	3 hr. Tend. -2.7 mb	Wx gloomy	Wx -RA/FG	Wx damp
Ppn.	Sol. - in.	Snow Depth 5 in.	Observer AJD	Vis. 5 mi.	Vis. 1 mi.	Vis. 15 mi.

\bar{T} 40

T_{DAVIS} 41/39

T_w 43

N_{DD} 35

T_{JUNV} 40/40

T_d 42

C_{DD} 0

ΣH_{DD} 775

ΣC_{DD} 0

ΣPCN_L 3.77

ΣPCN_S 14.6

PCN_{TB} 0.08

ΣPCN_{TB} 2.70

TUESDAY 19 JANUARY 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.				
Max.	44 °F	Dir.	WSW	Temp.	73 °F	-RAFG 900 LT - 1350 LT			
Min.	35 °F	Vel.	15G30m.p.h.	Read.	28.70 in.	+RA 1350LT - 1400LT PK WIND 53mph @ 1400LT			
Set	36 °F	Char.	GUSTY	Corr.	28.57 in.	-RA 1400-1520LT -SN 1520-1545LT 1905-2100LT			
R.H.	56 %	24 hr. Mov.	M mi.	Sea L.	29.97 in.	Clds.	7/10 ST	Clds.	7/10 ci
Ppn.	0.07 in.	Prev. Dir.	M	3 hr. Tend.	+2 mb	Wx	WINDY	Wx	chilly
Ppn.	T in.	Snow Depth	5 in.	Observer	SRS	Vis.	15 mi.	Vis.	20 mi.

\bar{T} 40

T DAVIS 36/22

T_w 31

H_{DD} 25

T UNV 36/23

T_D 22

C_{DD} 0

ΣH_{DD} 800

ΣC_{DD} 0

ΣPCN_L 3.84

ΣPCN_S 14.6

* PCN_{TB} 3.80

ΣPCN_{TB} 6.50

* ERROR DUE TO WIND

WEDNESDAY 20 JANUARY 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	42 °F	Dir.	-	Temp.	73 °F		
Min.	33 °F	Vel.	- m.p.h.	Read.	28.88 in.		
Set	35 °F	Char.	calm	Corr.	28.75 in.	* FROM DAVIS	
R.H.	73 %	24 hr. Mov.	M mi.	Sea L.	30.17 in.	Clds. 9/10 ST	Clds. 5/10 SC
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	STEADY mb	Wx CHILLY	Wx VARIABLE CLOUDINESS
Ppn.	- in.	Snow Depth	5 in.	Observer	SRS	Vis. 15 mi.	Wx LT BREEZE
						Vis. 15 mi.	Vis. 10 mi.

T 38

HDD 27

CDD 0

Σ HDD 827

Σ CDD 0

Σ PCNL 3.84

Σ PCNS 14.6

T DAVIS 35/28

T UNV 34/28

T_w -
A_T D 28
P FROM DAVIS

* ERROR DUE TO WIND

* PCNTA -
 Σ PCNTB 6.50*

Thursday 21 January 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	44 °F	Dir.	-	Temp.			
				74 °F			
Min.	27 °F	Vel.	0 m.p.h.	Read.			
				28.88 in.			
Set	28 °F	Char.	calm	Corr.	* derived from PA015		
				28.75 in.	0700	1300	1900
R.H.	92*	24 hr. Mov.	M mi.	Sea L.	Clds.	Clds.	Clds.
	%			30.16 in.	X	X	X
Ppn.	-	Prev. Dir.	M	3 hr. Tend.	Wx	Wx	Wx
	in.			+0.5 mb	FG	RA FG	FG
Ppn.	-	Snow Depth	5 in.	Observer	Vis.	Vis.	Vis.
	in.			AJD	1 mi.	1/4 mi.	1 mi.

T 36

HDD 29

CDD 0

Σ HDD 856

Σ CDD 0

Σ PCNL 3.84

Σ PCNS 14.6

T_{DAVIS} 28/26

T_{UNV} 27/27

T_d 26*

WIND CONTAMINATION

PCN_{TD} -

Σ PCN_{TD} 6.50*

FRIDAY 22 January 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	38 °F	Dir.	ENE	Temp.	74 °F	-RA 110 - 1350 LT RA 1350 - 1400 LT -RA 0300 - 0400 LT OCNL DZ throughout day *OVERNIGHT LOW 38		
Min.	21 °F	Vel.	2 m.p.h.	Read.	29.09 in.	0700	1300	1900
Set	38 °F	Char.	LIGHT	Corr.	28.97 in.			
R.H.	100 %	24 hr. Mov.	M mi.	Sea L.	30.37 in.	Clds.	X	Clds. 10/10 ST Clds. X
Ppn.	0-30 in.	Prev. Dir.	M	3 hr. Tend.	+2 mb	Wx	FG	Wx DAMP Wx -DZ
Ppn.	0 in.	Snow Depth	5 in.	Observer	TJO	Vis.	.25 mi.	Vis. ~1.5 mi. Vis. 3 mi.

\bar{T} 33

HDD 32

CDD \emptyset

Σ HDD 888

Σ CDD \emptyset

Σ PCN_L 4.14

Σ PCN_S 14.6

TDAWS 38/38

TUNV 36/36

TW 38

TD 38

PCNTB 0.26

Σ PCNTB 6.76 *

* WIND CONTAMINATION

SATURDAY 23 January 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	44 °F	Dir.	E	Temp.	75 °F	-DZ 1845 - 1930 LT			
Min.	38 °F	Vel.	2 m.p.h.	Read.	29.01 in.				
Set	44 °F	Char.	11SLT	Corr.	28.88 in.	0700	1300	1900	
R.H.	100 %	24 hr. Mov.	M mi.	Sea L.	30.26 in.	Clds.	10/10 ST	Clds.	10/10 SC, CB
Ppn.	T in.	Liq.	M	Prev. Dir.	M	3 hr. Tend.	1-1 mb	Wx	-FG
Ppn.	0 in.	Sol.	4 in.	Snow Depth	4 in.	Observer	TJO	Vis.	3 mi.
								Vis.	mi.
								Vis.	1/2 V 3 mi.

\bar{T} 41

HDD 24

CDD 0

Σ HDD 912

Σ CDD 0

Σ PCNL 4.14

Σ PCNs 14.6

TDAVS 45/45

TJNV 43/43

TW 44

TD 44

PCNTB ϕ

Σ PCNTB 6.76*

WIND CONTAMINATED

Sunday 24 January 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	56 °F	Dir.	WSW	Temp.	76 °F	-DE OBS - 1520 LT RA 1520 - 1600 LT + RASQ 1853 - 1900 LT WAB SHFT PUMP - EA/RA 1900 - OBS LT * OVERNIGHT LOW 48 Δ RECORD RECIP (1.02, 1896)		
Min.	44 °F	Vel.	7 m.p.h.	Read.	28.70 in.	0700	1300	1900
Set	49 °F	Char.	LT BREEZE	Corr.	28.57 in.			
R.H.	97 %	24 hr. Mov.	M mi.	Sea L.	29.93 in.	Clds. 10/10	Clds.	Clds. 10/10
Ppn.	1.14 in.	Prev. Dir.	M	3 hr. Tend.	✓ +.4 mb	Wx - RA	Wx	Wx quite chilly
Ppn.	0 in.	Snow Depth	1 in.	Observer	EMB	Vis. 15 mi.	Vis. mi.	Vis. 20 mi.

T 50

HDD 15

CDD ϕ

Σ HDD 927

Σ CDD ϕ

Σ PCNL 5.28

Σ PCNs 14.6

T DAVIS 49/48

T UNV 49/47

TW 48

TD 47

PCN TB

Σ PCN TB

• wind contaminated

Monday 25 January 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	Dir.	Temp.		Temp.		-RA OBS - 0820 LT GR 1545-1605 LT ** BARE GROUND VISIBLE (~30%), COVER IS MOSTLY ICE			
49 °F	WSW	74 °F							
Min.	Vel.	Read.							
33 °F	6 m.p.h.	28.69 in.				* Derived from DAVIS			
Set	Char.	Corr.							
34 °F	light	28.56 in.				0700	1300	1900	
R.H.	24 hr. Mov.	Sea L.		Clds.	10/10	Clds.	10/10	Clds.	9/10
75 %	M mi.	29.96 in.		sc		NS		S+	
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx		Wx		Wx	
T in.	M		1+.6 mb	glomy and dull		-SN		CHILLY	
Ppn.	Sol.	Snow Depth	Observer	Vis.		Vis.		Vis.	
T in.	**	1 in.	AJD	25 mi.		2 mi.		15 mi.	

\bar{T} 41
HDD 24
CDD 0
 Σ HDD 951
 Σ CDD 0
 Σ PCN_L 5.2⁶
 Σ PCN_S 14.6

\bar{T}_{DAVIS} 34/27
 \bar{T}_{UNV} 34/27

T_a 27*

PCN_{TD} 0.01
 Σ PCN_{TD} +
+ wind contaminated

TUESDAY 26 JANUARY 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max.	36 °F	Dir.	W	Temp.	74 °F	27 0900 - 1100 -SN 1100LT - 1430LT 1700LT - 1745LT 1900LT - 2030LT					
Min.	29 °F	Vel.	5 m.p.h.	Read.	29.20 in.	** BARE GROUND VISIBLE (~30%)					
Set	30 °F	Char.	LIGHT	Corr.	29.07 in.	LOWEN IS MOSTLY ICE * DERIVED FROM DAVIS					
						0700	1300	1900			
R.H.	* 76 %	24 hr. Mov.	M mi.	Sea L.	30.49 in.	Clds.	5/10 ST	Clds.	6/10 SE	Clds.	7/10 Ci
Ppn.	Liq. 0.03 in.	Prev. Dir.	M	3 hr. Tend.	STEADY mb	Wx	BLAH! DULL...	Wx	CHILLY, BUT SOME SUN	Wx	Hazy Moon
Ppn.	Sol. 0.3 in.	Snow Depth	** 1 in.	Observer	SRS	Vis.	15 mi.	Vis.	20 mi.	Vis.	20 mi.

F 33

H_{DD} 32

C_{DD} 0

Σ H_{DD} 983

Σ C_{DD} 0

Σ PCN_L 5.31"

Σ PCN_S 14.9"

T DAVIS 30/24

T_{UN} 28/25

* T_W -
* T_D 24

PCN_{TB}* 0.01

* Wing Contamination Σ PCN_{TB}*

WEDNESDAY 27 JANUARY 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.							
Max.	40 °F	Dir.	-	Temp.	73 °F						
Min.	24 °F	Vel.	- m.p.h.	Read.	29.06 in.	** BASE (GROUND) VISIBLE (~30%) COVER IS MOSTLY ICE * DERIVED FROM DAVIS					
Set	26 °F	Char.	calm	Corr.	28.93 in.	0700 1300 1900					
R.H.	82 %	24 hr. Mov.	M mi.	Sea L.	30.37 in.	Clds. 3/10 ST, Cs Clds. 10/10 Sc Clds. 10/10 ST BKN OVC					
Ppn.	-	Liq.	- in.	Prev. Dir.	M	3 hr. Tend.	-2 mb	Wx COLD START	Wx CHILLY	Wx CALM	
Ppn.	-	Sol.	- in.	Snow Depth	1** in.	Observer	SRS	Vis.	15 mi.	20 mi.	15 mi.

\bar{T} 32

H_{DD} 33

C_{DD} 0

ΣH_{DD} 1016

ΣC_{DD} 0

ΣPCN_L 5.31"

ΣPCN_S 14.9"

T_{DAVIS} 27/22

T_{UNV} 25/23

T_W -

T_{D22}

PCN_{TB} -

ΣPCN_{TB}

Thursday 25 January 1999

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 53 °F	Dir. WNW	Temp. 76 °F	-SHRA 2115-2200 LT			
Min. 25 °F	Vel. 18 ^{6.22} m.p.h.	Read. 29.06 in.	* Overnight low 32			
Set 49 °F	Char. gusty	Corr. 28.92 in.	0700	1300	1900	
R.H. 74 %	24 hr. Mov. M mi.	Sea L. 30.28 in.	Clds. 5/10 Sc, Ci	Clds. 6/10 Ci/Sc	Clds. 6/10 Sc	
Ppn. Liq. T in.	Prev. Dir. M	3 hr. Tend. /+1.6 mb	Wx mild	Wx UNSEASONABLY WARM	Wx cool	
Ppn. Sol. - in.	Snow Depth T in.	Observer AJD	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

\bar{T} 39
 H_{DD} 26
 C_{DD} 0
 ΣH_{DD} 1042
 ΣC_{DD} 0
 ΣPCN_L 5.31
 ΣPCN_S 14.9

T_{DAVIS} 49/35
 T_{UNV} 48/37

T_w 47
 T_D 43

PCN_{TB} 0.07*
*wind contaminated ΣPCN_{TB} *

FRIDAY 29 January 1999 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	51 °F	Dir.	N	Temp.			
				74 °F			
Min.	34 °F	Vel.	66.8 m.p.h.	Read.			
				29.17 in.			
Set	35 °F	Char.	GUSTY	Corr.	0700	1300	1900
				29.05 in.			
R.H.	64 %	24 hr. Mov.	M mi.	Sea L.	Clds. 10/10 ST THN SPTS	Clds. 7/10 ST	Clds. 0/10
				30.46 in.			
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	Wx BREEZY	Wx CLEARING	Wx STARRY
				+2 mb			
Ppn.	- in.	Snow Depth	T in.	Observer	Vis. 15 mi.	Vis. 20 mi.	Vis. 20 mi.
				TJO			

T 43

H₀₀ 22

CDD \emptyset

Σ H₀₀ 1084

Σ CDD \emptyset

Σ PCN_L 5.31

Σ PCN_S 14.9

T_{DAVIS} 34/22

T_{UNV} 34/23

T_w 31

T_D 24

PCN_{TB} \emptyset

Σ PCN_{TB} *

* WIND CONTAMINATED

Saturday 30 January 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	37 °F	Dir.	WSW	Temp.	70 °F			
Min.	24 °F	Vel.	4 m.p.h.	Read.	29.32 in.			
Set	24 °F	Char.	STEADY	Corr.	29.21 in.	* FROM DAVIS		
						0700	1300	1900
R.H.	75 %	24 hr. Mov.	M mi.	Sea L.	30.67 in.	Clds. 2/10 ST	Clds.	Clds. 7/10 Sc 7/10
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	+1.5 mb	Wx chilly	Wx	Wx brisk
Ppn.	- in.	Snow Depth	T in.	Observer	TJO	Vis. 20 mi.	Vis. mi.	Vis. 25 mi.

T 31

HDD 34

CDD 0

Σ HDD 1098

Σ CDD 0

Σ PCNL 5.31

Σ PCNs 14.9

T DAVIS 25/19

T UNV 23/19

Tw m

Td 19*

*From DAVIS

PCNTB 0

Σ PCNTB

● wind contaminated

SUNDAY 31 JANUARY 1999
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 37 °F	Dir. NE	Temp. 71 °F				
Min. 17 °F	Vel. 2 m.p.h.	Read. 29.53 in.				
Set 17 °F	Char. LIGHT	Corr. 29.40 in.	* FROM DAVIS			
			0700	1300	1900	
R.H. 67%	24 hr. Mov. M mi.	Sea L. 30.89 in.	Clds. CLR few Cs w	Clds.	Clds. 2/10 Ci	
Ppn. 0.00 in.	Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. 1.0 mb	Wx CRISP	Wx	Wx contrails blue moon
Ppn. 0.0 in.	Sol. 0.0 in.	Snow Depth T in.	Observer WJS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$$\bar{T} = 27$$

$$H_{20} = 38$$

$$\Sigma H_{20} = 1136$$

$$\Sigma PCN_v = 5.31''$$

$$\Sigma PCN_s = 14.9''$$

$$T_{2015} = 18/8$$

$$T_{2019} = 16/9$$

$$T_w \text{ N/A}$$

$$T_D = 8^*$$

* DAYS

JANUARY STATS

$$\bar{T}_{MAX} = 36.2 \quad \bar{T}_{JAN} = 28.0$$

$$\bar{T}_{MIN} = 19.8$$

$$PCN_{70} = 0.00$$

$$\Sigma PCN_{70} = M^*$$

* WIND-CONTAMINATED