

TUESDAY 1 DECEMBER

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.					
Max.	68 °F	Dir. W	Temp. 75 °F	* RECORD HIGH FOR THE DAY, OLD RECORD 65, 1927 + TIES RECORD HIGH FOR MONTH OF DECEMBER FROPA, WINDSHT 0300LT -SHRA 0200-0300LT					
Min.	49 °F	Vel. 15.627 m.p.h.	Read. 28.90 in.						
Set	49 °F	Char. GUSTY	Corr. 28.77 in.				0700	1300	1900
R.H.	61 %	24 hr. Mov. M mi.	Sea L. 30.14 in.				Clds. 3/10	Clds.	Clds. CLEAR
Ppn.	Liq. .01 in.	Prev. Dir. M	3 hr. Tend. 14.7 mb	Wx WINDY, MILD PRESRR	Wx	Wx BREEZY, BRIGHT moon			
Ppn.	Sol. — in.	Snow Depth — in.	Observer EMB	Vis. 25 mi.	Vis. — mi.	Vis. 25 mi.			

T 59

H₀₀ 6

C₀₀ φ

Σ H₀₀ 6

Σ C₀₀ φ

Σ P_{en}₂ .01

Σ P_{en}₅ φ

T_{DAVIS} 48/35

T_{UNV} 49/36

T_w 43

T_d 36

P_{NTB} φ

Σ P_{NTB} φ

WEDNESDAY DECEMBER 3, 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	53 °F	Dir.	WSW	Temp.	74 °F			
Min.	38 °F	Vel.	4 m.p.h.	Read.	29.05 in.			
Set	38 °F	Char.	LIGHT	Corr.	28.92 in.	0700	1300	1900
R.H.	72 %	24 hr. Mov.	M mi.	Sea L.	30.32 in.	Clds. 2/10 Ci	Clds. 2/10 Ci	Clds. CLEAR
Ppn.	∅ in.	Prev. Dir.	M	3 hr. Tend.	STEADY mb	Wx CONTRAILS	Wx Beautiful	Wx MILK, FULL MOON
Ppn.	∅ in.	Snow Depth	∅ in.	Observer	EMB	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

\bar{T} 46

H_{00} 19

C_{00} ϕ

ΣH_{00} 25

ΣC_{00} ϕ

ΣPCN_L .01"

ΣPCN_S ϕ

T_{DAVIS} 43/27

T_{UNV} 41/28

T_W 35

T_d 30

PCN_{TD} ϕ

ΣPCN_{TD} ϕ

THURSDAY 3 DECEMBER, 1978

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	65 °F	Dir.	SW	Temp.	76 °F	XOUNT LOW 44 + RECORD HIGH FOR DATE, OLD RECORD 61, 1970		
Min.	* 37 °F	Vel.	9 m.p.h.	Read.	28.79 in.			
Set	55 °F	Char.	STEADY	Corr.	28.66 in.			
R.H.	58 %	24 hr. Mov.	M mi.	Sea L.	30.00 in.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	M	3 hr. Tend.	V ± 0 mb	Clds. 7/10 AC/AS	Clds. 7/10	Clds. 10/10 NS
Ppn.	0 in.	Snow Depth	0 in.	Observer	EMB	Wx CLRING N WARM!!! RACING CLOUDS	Wx Very BARELY	Wx - 02
						Vis.	Vis.	Vis.
						25 mi.	25 mi.	3 mi.

\bar{T} 51

H_{00} 14

C_{00} ϕ

ΣH_{00} 39

ΣC_{00} ϕ

ΣPCW_c .01

ΣPCW_s 0

\bar{T}_{0015} 56/42

T_{0000} 54/41

T_w 50

T_d 43

ACN_{75} 0

ΣACN_{75} 0.00

FRIDAY 4 DECEMBER 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	+ 64 °F	Dir.	W	Temp.	80 °F	-DZ 1755 - 1800 LT -DZ 1900 - 2000 LT + RECORDED MAX 41.61 in 1973 Δ RECORDED MAX MIN 51 in 1982 0 RECORDED MAY MIN FOR DECEMBER		
Min.	0 Δ 55 * °F	Vel.	4 m.p.h.	Read.	28.90 in.	* OVERNIGHT LOW 60		
Set	60 °F	Char.	STEADY	Corr.	28.76 in.	0700	1300	1900
R.H.	73 %	24 hr. Mov.	M mi.	Sea L.	30.09 in.	Clds. 5/10 STCU	Clds. 4/10 STCU	Clds. 10/10 STCU
Ppn.	Liq. T in.	Prev. Dir.	M	3 hr. Tend.	+ 2 .mb	Wx HAZY	Wx MUGGY	Wx DAMP
Ppn.	Sol. - in.	Snow Depth	- in.	Observer	TJO	Vis. 5 mi.	Vis. 15 mi.	Vis. 5 mi.

T 60

HDD 5

CDD 0

Σ HDD 44

Σ CDD ϕ

Σ PCNL ~~0.01~~

Σ PCNs ϕ

TDAUS 60/53

TUNV 59/54

TW 56

TD 53

PCNTB ϕ
 Σ PCNTB ϕ

SATURDAY 5 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	66 °F	Dir. SW	Temp. 81 °F	-SHRA 1600-1630 LT OCLL - DE and -RA 2000-0300 LT		
Min. * +	57 °F	Vel. 3-6 m.p.h.	Read. 28.93 in.	* Record max min 52 in 1941 + Record max min for December		
Set	57 °F	Char. light	Corr. 28.78 in.	0700	1300	1900
R.H.	84 %	24 hr. Mov. M mi.	Sea L. 30.11 in.	Clds. 9/10 SCU	Clds.	Clds. 5/10 ST
Ppn. Liq.	.02 in.	Prev. Dir. M	3 hr. Tend. STEADY mb	Wx A DAMP START	Wx	Wx mild
Ppn. Sol.	- in.	Snow Depth - in.	Observer SRS	Vis. 15 mi.	Vis. mi.	Vis. 20 mi.

T 62

HDD 3

CDD 0

Σ HDD 47

Σ CDD 0

Σ PCNL 0.03

Σ PCNS 0

T. DAVIS 59/53

TUNN 57/55

TW 54

TD 52

PCNTB 0.01

Σ PCNTB 0.01

Sunday 6 December 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. * + 70 °F		Dir. SW		Temp. 81 °F	* Record high 65 in 1982 + Record high for December A Record maximum 51 in 1982 -SHRA ~0300LT		
Min. A 53 °F		Vel. 6 m.p.h.		Read. 28.92 in.			
Set 60 °F		Char. steady		Corr. 28.77 in.			
R.H. 84 %		24 hr. Mov. M mi.		Sea L. 30.10 in.	Clds. St 10/10	1300 Clds.	1900 Clds. Ac 8/10
Ppn. Liq. T in.		Prev. Dir. M		3 hr. Tend. / +.5 mb	Wx. slightly gloomy	Wx	Wx breezy
Ppn. Sol. - in.		Snow Depth - in.		Observer AJD	Vis. 20 mi.	Vis. mi.	Vis. 15 mi.

T 62

HDD 3

CDD 0

E HDD 50

ECDD 0

ΣPCN_L 0.03

ΣPCN_S 0

T RAMOS 60/54

T UNU 58/54

T_w 60

T_d 58

PCN₇₀ ϕ

ΣPCN_{70} 0.01

MONDAY 7 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max. (a,b)	Dir.	Temp.	a) RECORD MAX (02-63, 1951) b) RECORD DECEMBER MAX! (02-20, 1974) c) RECORD MAX MIN (02-51, 1956) d) RECORD DECEMBER MAX MIN (02-57, 1998) e) WILL BE RECORD MAX FOR 5TH DEC. f) ONLY DECEMBER COULD BE DEC. 24 IN RECORD HISTORY!					
71 °F	WSW	81 °F						
Min. (c,d)	Vel.	Read.						
60 °F	15 m.p.h.	28.70 in.						
Set	Char.	Corr.						
65 °F	GUSTY	28.55 in.						
R.H.	24 hr. Mov.	Sea L.	0700	1300	1900			
75 %	— mi.	29.86 in.	Clds. 8/10 Sc, As	Clds. As 9/10 Sc	Clds. 10/10 Sc			
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx INCREASING WINDY!	Wx breezy	Wx FALLING TEMPS			
∅ in.	—	✓ +1.5 mb						
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.			
∅ in.	— in.	WJS	25 mi.	25 mi.	25 mi.			

\bar{T} 66

C_{pD} 1

H_{2D} 0

ΣH_{2D} 50

ΣC_{pD} 1

ΣPCN_4 0.03

ΣPCN_5 0

T_{air} = 65/56

T_{un} = 63/55

T_w = 65

T_a = 57

* ONLY 2 FLOWERS
cooling 22 on
AZO!

PCN_{10} \emptyset
 ΣPCN_{10} 0.01

TUESDAY 8 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. Δ	Dir.	Temp.	STEADILY FALLING TEMP FROM 0650 OCNL -RA/DZ 1530 - 0615 LT				
65 °F	NE	75 °F					
Min. *	Vel.	Read.	* Record MAX (61.1 IN 1951) * Record MAX MIN (42 IN 1951)				
43 °F	3 m.p.h.	28.90 in.					
Set	Char.	Corr.	0700	1300	1900		
43 °F	LIGHT	28.97 in.					
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.		
78 %	M mi.	30.15 in.	10% St		10% St		
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx		
T in.	M	57.00 mb	RETURN TO THE CHILL		RAW		
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.		
ϕ in.	ϕ in.	EMB	20 mi.		mi.	20 mi.	

T 54

Hoo 11

Coo ϕ

Σ Hoo G1

Σ Coo 1

Σ PCN_L .03"

Σ PCN_S ϕ

T DAVIS 44/36

Tuvv 43/36

T_w 42

T_d 38

PCNT₆ ϕ

Σ PCN₁₃ 0.01

WEDNESDAY 9 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	46 °F	Dir.	WNW	Temp.	74 °F	-RA 0830 - 1000LT -RA 1100 - 1500		
Min.	34 °F	Vel.	4 m.p.h.	Read.	29.09 in.	USED TO DAVIS		
Set	34 °F	Char.	LIGHT	Corr.	28.96 in.			
R.H.	67 %	24 hr. Mov.	M mi.	Sea L.	30.38 in.	Clds.	Clds. ci	Clds.
Ppn.	.07" in.	Prev. Dir.	M	3 hr. Tend.	1 + 2 mb	Wx	Wx	Wx
Ppn.	∅ in.	Snow Depth	∅ in.	Observer	EMB	PRISTINE	Crystal clean	CALM
Sol.	∅ in.					Vis.	Vis.	Vis.
						25 mi.	25 mi.	25 mi.

T 40

T DAVIS 35/24

T 24

H₀₀ 25

T UNV 34/24

C₀₀ ϕ

ΣH_{00} 86

ΣC_{00} 1

ΣPCN_L .10"

ΣPCN_S ϕ

PCN_{TA} .04

ΣPCN_{TS} 0.05

THURSDAY 10 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	46 °F	Dir.	W	Temp.	72 °F			
Min.	27 °F	Vel.	4 m.p.h.	Read.	29.07 in.			
Set	29 °F	Char.	LIGHT	Corr.	28.94 in.	*USED TO DAVIS		
R.H.	74 %	24 hr. Mov.	M mi.	Sea L.	30.37 in.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	M	3 hr. Tend.	V -1 mb	Clds. 1/10 Ci	Clds. 8/10 ST	Clds. 10/10 ST
Ppn.	0 in.	Snow Depth	0 in.	Observer	EMB	Wx FROSTY	Wx thickening clouds	Wx Chilly
				Observer	EMB	Vis.	Vis.	Vis.
						25 mi.	25 mi.	15 mi.

\bar{T} 37

H_{00} 28

C_{00} ϕ

ΣH_{00} 114

ΣC_{00} 1

ΣP_{cmL} .10"

ΣP_{cmS} ϕ

T_{DAVIS} 31/23

T_{UNV} 30/23

T_0 23

P_{cmB} ϕ

ΣP_{cmB} .05

FRIDAY 11 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	43 °F	Dir. WNW	Temp. 72 °F	* OVERNIGHT LOW 35		
Min.	27 °F	Vel. 10G17 m.p.h.	Read. 29.15 in.			
Set	35 °F	Char. GUSTY	Corr. 29.03 in.			
R.H.	63 %	24 hr. Mov. M mi.	Sea L. 30.41 in.	Clds. 1/10 SK	Clds. 2/10 CU	Clds. 6/10 SK
Ppn.	- in.	Prev. Dir. M	3 hr. Tend. +1 mb	Wx BREEZY	Wx BRIGHT SUNSHINE	Wx COLD
Ppn.	- in.	Snow Depth - in.	Observer TJO	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

T 35

T UNV 34/23
T DAVIS 35/22

TW 31
TD 24

HDD 30

CDD 0

Σ HDD 144

Σ CDD 1

Σ PCNL 0.10

Σ PCNS ϕ

PCNTB ϕ
 Σ PCNTB 0.05

SATURDAY 12 DECEMBER 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	42 °F	Dir.	W	Temp.	70 °F			
Min.	26 °F	Vel.	2-4 m.p.h.	Read.	29.18 in.			
Set	29 °F	Char.	light	Corr.	29.06 in.	* DERIVED FROM DAVIS		
						0700	1300	1900
R.H.	75 %	24 hr. Mov.	M mi.	Sea L.	30.50 in.	Clds.	Clds.	Clds.
						10/10 ST		0/10
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	-2 mb	Wx A	Wx	Wx
						COLD START		crisp
Ppn.	- in.	Snow Depth	- in.	Observer	SRS	Vis.	Vis.	Vis.
						25 mi.	mi.	25 mi.

\bar{T} 34

H_{DD} 31

C_{DD} 0

ΣH_{DD} 175

ΣC_{DD} 1

ΣPCN_L $\emptyset.10$

ΣPCN_S \emptyset

T_{UNV} 30/23

T_{DAVIS} 30/22

$T_w -$
 $\rightarrow T_D$ 22

PCN_{TB} \emptyset

ΣPCN_{TB} 0.05

* DERIVED FROM DAVIS

Sunday 13 December 1998 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	42 °F	Dir.	N	Temp.	70 °F				
Min.	28 °F	Vel.	2 m.p.h.	Read.	29.18 in.	* Derived from Davis			
Set	29 °F	Char.	light	Corr.	29.06 in.				0700
R.H.	77* %	24 hr. Mov.	M mi.	Sea L.	30.49 in.	Clds.	cs 10/10	Clds.	ci 7/10 cs
Ppn.	Liq. — in.	Prev. Dir.	M	3 hr. Tend.	L-1 mb	Wx	cold	Wx	pristine
Ppn.	Sol. — in.	Snow Depth	— in.	Observer	AJD	Vis.	25 mi.	Vis.	mi. 25 mi.

\bar{T} 35

H_{DD} 30

C_{DD} 0

ΣH_{DD} 205

ΣC_{DD} 1

ΣPCN_L 0.10

ΣPCN_T 0

T_{DAVIS} 30/23

T_{UNV} 27/23

T_d 23*

PCN_{TB} \emptyset
 ΣPCN_{TB} 0.05

Monday 14 December 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	41 °F	Dir.	E	Temp.	70 °F	GEMINIDS METEOR SHOWER VISIBLE ALGDS		
Min.	28 °F	Vel.	2 m.p.h.	Read.	29.18 in.			
Set	29 °F	Char.	light	Corr.	29.06 in.	* Derived from Davis		
						0700	1300	1900
R.H.	71 %	24 hr. Mov.	M mi.	Sea L.	30.51 in.	Clds.	Clds.	Clds.
						0/10	0/10	0/10
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	+2.3 mb	Wx	Wx	Wx
						beautiful	chilly	CALM/ COLD
Ppn.	- in.	Snow Depth	- in.	Observer	AJD	Vis.	Vis.	Vis.
						25 mi.	25 mi.	25 mi.

\bar{T} 35

T_{DAVIS} 30/21

\bar{T}_d 21*

H_{DD} 30

T_{DOW} 29/22

C_{DD} 0

ΣH_{DD} 235

ΣC_{DD} 1

ΣPCN_L 0.10

ΣPCN_S 0

PCN_{TB} 0
 ΣPCN_{TB} 0.05

TUESDAY 15 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	40 °F	Dir.	—	Temp.	70 °F				
Min.	24 °F	Vel.	0 m.p.h.	Read.	29.13 in.				
Set	27 °F	Char.	CALM	Corr.	29.00 in.	*USED TO DAVIS			
						0700	1300	1900	
R.H.	78 %	24 hr. Mov.	M mi.	Sea L.	30.44 in.	Clds.	0/10	Clds.	0/10
Ppn.	∅ in.	Prev. Dir.	M	3 hr. Tend.	√ +1.0 mb	Wx	WANING CRESCENT MOON	Wx	UNSEASONABLY MILD, BREEZY
Ppn.	∅ in.	Snow Depth	∅ in.	Observer	EMB	Vis.	25 mi.	Vis.	25 mi.
						Vis.	25 mi.	Vis.	25 mi.

\bar{T} 32

H_{00} 33

C_{00} ϕ

ΣH_{00} 268

ΣC_{00} 1

ΣP_{CNL} 0.10

ΣP_{CNs} 0

T_{OAVIS} 31/22

T_{UNV} 27/21

T_D 22

P_{CNts} 0

ΣP_{CNts} 0.05

WEDNESDAY 16 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	50 °F	Dir.	-	Temp.	70 °F			
Min.	27 °F	Vel.	- m.p.h.	Read.	28.82 in.	Δ OVERNIGHT MIN 31 * Derived from DAVIS		
Set	33 °F	Char.	calm	Corr.	28.70 in.			
R.H.	68 %	24 hr. Mov.	M mi.	Sea L.	30.12 in.	Clds. ST 4/10 ci	Clds. 10/10 ST	Clds. 10/10 ST
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	1-2 mb	Wx A COLD START	Wx BLAH	Wx CALM
Ppn.	- in.	Snow Depth	- in.	Observer	SRS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

\bar{T} 39

T_{DAVIS} 34/24

$T_w -$

H_{DD} 26

T_{UNV} 34/25

$+T_D$ 24

C_{DD} -

ΣH_{DD} 294

ΣC_{DD} 1

ΣPCN_L 0.10

ΣPCN_B 0

PCN_{T0} 0
 ΣPCN_{TB} 0.05

*DERIVED FROM DAVIS

THURSDAY 17 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.					
Max.	42 °F	Dir.	W	Temp.	71 °F	SPRINKLES ~ 0200 - 0015 ~ 0300 - 0315					
Min.	32 °F	Vel.	26.8 m.p.h.	Read.	28.52 in.						
Set	36 °F	Char.	GUSTY	Corr.	28.39 in.	DERIVED FROM T.D. DAVIS					
R.H.	85 %	24 hr. Mov.	M mi.	Sea L.	29.78 in.	Clds.	10/10 SC	Clds.	10/10 NS		
Ppn.	T in.	Prev. Dir.	M	3 hr. Tend.	L - 2 mb	Wx	WxA TYPICAL DECEMBER MORNING		Wx	-SN	
Ppn.	0 in.	Snow Depth	0 in.	Observer	EMB	Vis.	25 mi.	Vis.	mi.	Vis.	10 mi.

\bar{T} 37

H_{00} 28

C_{00} ϕ

ΣH_{00} 322

ΣC_{00} 1

ΣPCN_2 .10"

ΣPCN_3 0

T_{DAVIS} 36/28

T_{UNW} 36/30 (112)

T_d 28

PCN_{TS} 0.00
 ΣPCN_{TS} 0.05

FRIDAY 18 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max 39 °F	Dir. W	Temp. 70 °F		-SHSN	0815 - 0830 LT			
Min 28 °F	Vel. 5 m.p.h.	Read. 28.99 in.		-SHSN	1150 - 1210 LT			
Set 28 °F	Char. STEADY	Corr. 28.88 in.		-SHSN	1600 - 1620 LT			
				-SHSN	1845 - 1930 LT			
				+SHSN	0415 - 0445 LT			
					0700	1300	1900	
R.H. 78 %	24 hr. Mov. M mi.	Sea L. 30.33 in.		Clds. 3/10 SC		Clds.	Clds. 3/10 SC	
Ppn. 0.05 in.	Liq. Prev. Dir. M	3 hr. Tend. +4 mb		Wx BREEZY		Wx	Wx COLD!	
Ppn. 0.8 in.	Sol. Snow Depth 1 in.	Observer TJO		Vis. 10 mi.		Vis. mi.	Vis. 25 mi.	

T 34

HDD 31

CDD 0

Σ HDD 353

Σ CDD 1

Σ PCNL 0.15

Σ PCNS 0.8

TUNN 27/21

TDAVIS 29/21

TW 26

TD 22

PCNTB 0.04

Σ PCNTB 0.09

SATURDAY 19 DECEMBER 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	38 °F	Dir. WSW	Temp. 70 °F			
Min.	28 °F	# 3-5 m.p.h.	Vel. 29.00 in.	* Temps rising overnight Δ DERIVED FROM DAVIS		
Set	38 °F	Char. LIGHT	Corr. 28.88 in.	0700	1300	1900
R.H.	46 %	Δ 24 hr. Mov. M mi.	Sea L. 30.28 in.	Clds. 10/10 ST	Clds.	Clds. 9/10 ST
Ppn.	-	Liq. in. M	Prev. Dir. STEADY mb	3 hr. Tend. Wx cloudy + chilly	Wx	Wx CALM
Ppn.	-	Sol. in. T in.	Snow Depth SRS	Observer 25 mi.	Vis. mi.	Vis. 25 mi.

\bar{T} 33

T_{UNV} 34/20

T_w -

H_{DD} 32

T_{DAVIS} 37/20

T_D 20

C_{DD} 0

ΣH_{DD} 385

ΣC_{DD} 1

ΣPCN_L 0.15

ΣPCN_S 0.8

PCN_{75} 0

ΣPCN_{75} 0.29

Sunday 20 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. 46 °F	Dir. -	Temp. 70 °F		-SHRA 0345-0400 LT			
Min. * 35 °F	Vel. - m.p.h.	Read. 29.23 in.		-SHRA 0515-0530 LT			
Set 41 °F	Char. calm	Corr. 29.12 in.		* OVERNIGHT LOW 41			
R.H. 93 %	24 hr. Mov. M mi.	Sea L. 30.52 in.	Clds. 10/10 ST	0700	1300	1900	
Ppn. 0.01 in.	Liq. -	Prev. Dir. M	3 hr. Tend. +1 mb	Wx DAMP	Wx	Wx -02	
Ppn. -	Sol. -	Snow Depth -	Observer TJO	Vis. 5 mi.	Vis. -	Vis. 5 mi.	

\bar{T} 41

HDD 24

CDD 0

Σ HDD 409

Σ CDD 1

Σ PCNL 0.16

Σ PCNS 0.8

TDAVS 40/37

TUNV 39/37

Tw 40

To 39

PCNTB 0.01

Σ PCNTB 0.10

MONDAY 21 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 45 °F	Dir. SSE	Temp. 72 °F	OCCL - RA, -DZ 1900-0415 LT			
Min. 40 °F	Vel. 4 m.p.h.	Read. 29.07 in.				
Set 44 °F	Char. STEADY	Corr. 28.94 in.	* DONT LOW 42			
R.H.	24 hr. Mov.	Sea L.	0700	1300	1900	
86 %	M mi.	30.32 in.	Clds. 2/3 ST	Clds.	Clds. 10/10 NS	
Ppn. T in.	Liq. Prev. Dir. M	3 hr. Tend. -1.0 mb	Wx CLEARING	Wx	Wx -RA	
Ppn. 0.0 in.	Sol. Snow Depth 0 in.	Observer WJS	Vis. 10 mi.	Vis. mi.	Vis. 4 mi.	

$$\bar{T} = 43$$

$$H_{20} = 22$$

$$C_{20} = 0$$

$$\sum H_{20} = 431$$

$$\sum C_{20} = 1$$

$$\sum PCN_L = 0.16$$

$$\sum PCN_S = 0.8$$

$$T_{DAVIS} = 44/38$$

$$T_{UNID} = 43/37$$

$$T_w = 41.5$$

$$T_D = 39$$

$$PCN_{TDS} = 0$$

$$\sum PCN_{TDS} = 0.10$$

TUESDAY 22 DECEMBER 1948

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	54 °F	Dir.	W	Temp.	-RA, OCCL RA 1330-0430 LT		
				71 °F			
Min.	36 °F	Vel.	25 m.p.h.	Read.	COLD FRST ~ 0300 LT		
				28.73 in.			
Set	36 °F	Char.	G 35	Corr.			
				28.61 in.			
R.H.	73 %	24 hr. Mov.	M mi.	Sea L.	0700	1300	1900
				30.00 in.	Clds.	Clds.	Clds.
					9/10 SC		2/10 SC
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.36 in.		M	145.2 mb	-SC		WELCOME WINTER!	
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
T in.		0 in.	WJS	10 mi.		mi.	20 mi.

$$\begin{aligned} F &= 45 \\ H_{70} &= 20 \\ C_{70} &= 0 \\ \Sigma H_{70} &= 451 \\ \Sigma C_{70} &= 1 \\ \Sigma PCN_{70} &= 0.52'' \\ \Sigma PCN_5 &= 0.8'' \end{aligned}$$

$$\begin{aligned} T_{20/28} &= 36/28 \\ T_{20/32} &= 36/32 \end{aligned}$$

$$\begin{aligned} T_w &= 33 \\ T_D &= 28 \end{aligned}$$

$$* PCN_{70} = 0.38''$$

$$\Sigma PCN_{70} = 0.48''$$

* POSSIBLE WIND CONTAMINATION

WEDNESDAY 23 DECEMBER 1998

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.					
Max.	36 °F		Dir.	SW	Temp.	69 °F		-SN OBS - 1040 LT FEW - SHSN 1055 - 1430				
Min.	11 °F		Vel.	2 m.p.h.	Read.	29.32 in.						
Set	11 °F		Char.	LIGHT	Corr.	29.19 in.		* USED DAVIS				
R.H.	* 69 %		24 hr. Mov.	M mi.	Sea L.	30.69 in.		0700	1300	1900		
Ppn.	Liq.	T in.	Prev. Dir.	M	3 hr. Tend.	+1.0 mb		Clds.	9/10 As, Ci	Clds.	9/10 Sc, Ci	
Ppn.	Sol.	T in.	Snow Depth	0 in.	Observer	WJS		Wx AT LEAST IT FEELS LIKE CHRISTMAS.	Wx	Wx	Wx CALM + COLD	
								Vis.	25 mi.	Vis.	mi.	20 mi.

$$\bar{T} = 24$$

$$H_{20} = 41$$

$$C_{20} = 0$$

$$\Sigma H_{20} = 492$$

$$\Sigma C_{20} = 1$$

$$\Sigma PCN_2 = 0.52''$$

$$\Sigma PCN_3 = 0.8''$$

$$\frac{T_{DAVIS}}{T_{UNV}} = 11/3$$

$$\frac{T_{UNV}}{T_{UNV}} =$$

$$T_w = N/A$$

$$T_3 = 3^+ \text{ Davis}$$

$$PCN_{70} = 0$$

$$\Sigma PCN_{70} = 0.48''$$

THURSDAY 24 DECEMBER 1948

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.				
Max.	21 °F	Dir.	NW	Temp.	* OUNT LOW 18 - TEMPS RISE SLOWLY OUNT				
				70 °F					
Min.	11 * °F	Vel.	5 m.p.h.	Read.				29.15 in.	
Set.	20 °F	Char.	STEADY	Corr.	29.03 in.	0700	1300	1900	
R.H.	54 %	24 hr. Mov.	M mi.	Sea L.	30.49 in.	Clds.	10/10 AS	Clds.	CLR
Ppn.	Liq. 0.00 in.	Prev. Dir.	M	3 hr. Tend.	~ 0.0 mb	Wx	SO MUCH FOR A WHITE CHRISTMAS...	Wx	FEW CIRRUS
Ppn.	Sol. 0.0 in.	Snow Depth	0 in.	Observer	WJS	Vis.	20 mi.	Vis.	mi. 20 mi.

$\bar{T} = 1/6$
 $H_{20} = 49$
 $C_{20} = 0$
 $\Sigma H_{20} = 541$
 $\Sigma C_{20} = 1$
 $\Sigma PCN_L = 0.52''$
 $\Sigma PCN_S = 0.8''$

$T_{DAVIS} = 22/6$
 $T_{UNU} = 19/7^*$
(*112)

$T_W = N/A$
 $T_D = 6^*$
* DAVIS

$PCN_{T3} = 0$
 $\Sigma PCN_{T3} = 0.48''$

$$\bar{F} = 23$$

$$H_{20} = 42$$

$$C_{20} = 0$$

$$\Sigma H_{20} = 583$$

$$\Sigma C_{20} = 1$$

$$\Sigma PCN_2 = 0.52''$$

$$\Sigma PCN_3 = 0.8''$$

$$T_{\text{MISS}} = 16/5$$

$$T_{\text{UNV}} = 16/5$$

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

$$T_D = 5$$

$$PCN_{TB} = 0.00''$$

$$\Sigma PCN_{TB} = 0.48''$$

SATURDAY 26 DECEMBER 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	28 °F	Dir. -	Temp. 69 °F			
Min.	14 °F	Vel. - m.p.h.	Read. 28.96 in.			
Set	14 °F	Char. CALM	Corr. 28.84 in.	0700	1300	1900
R.H.	74 %	24 hr. Mov. M mi.	Sea L. 30.30 in.	Clds. 4/10 Ci, AS	Clds.	Clds. 3/10 AS
Ppn. Liq.	0.00 in.	Prev. Dir. M	3 hr. Tend. -2.2 mb	Wx COLD CALM	Wx	Wx FAIR
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer WJS	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

$$\begin{aligned}\bar{T} &= 21 \\ H_{20} &= 44 \\ C_{20} &= 0 \\ \sum H_{20} &= 627 \\ \sum C_{20} &= 1 \\ \sum PCN_L &= 0.52'' \\ \sum PCN_S &= 0.8''\end{aligned}$$

$$\begin{aligned}T_{DNIS} &= 16/7 \\ T_{UNU} &= 12/7\end{aligned}$$

$$\begin{aligned}T_{\omega} &= N/A \\ T_{\theta} &= 7\end{aligned}$$

$$\begin{aligned}PCN_{70} &= 0.00'' \\ \sum PCN_{70} &= 0.48''\end{aligned}$$

$$\bar{T} = 26$$

$$H_{20} = 39$$

$$C_{20} = 0$$

$$\Sigma H_{20} = 666 \text{ (vires!)}$$

$$\Sigma C_{20} = 1$$

$$\Sigma PCN_L = 0.52''$$

$$\Sigma PCN_S = 0.8''$$

$$T_{DAVIS} = 20/12$$

$$T_{UNV} = 21/14$$

$$TW \text{ NA}$$

$$T_D = 12$$

$$PCN_{70} = 0.00''$$

$$\Sigma PCN_{70} = 0.48''$$

MONDAY 28 DECEMBER 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F	Dir. SW	Temp. 70 °F	*OUNT LOW 31			
Min. 14 °F	Vel. 3 m.p.h.	Read. 28.93 in.				
Set 31 °F	Char. LIGHT	Corr. 28.81 in.	0700	1300	1900	
R.H. 69 %	24 hr. Mov. M mi.	Sea L. 30.22 in.	Clds. 10/10 SE	Clds.	Clds. 10/10 St	
Ppn. Liq. 0.00 in.	Prev. Dir. M	3 hr. Tend. +0.2 mb	Wx WHAT WEATHER?	Wx	Wx A FEW FLAKES	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer WJS	Vis. 20 mi.	Vis. mi.	Vis. 15 mi.	

$$\bar{T} = 26$$

$$H_{20} = 39$$

$$C_{20} = 0$$

$$\Sigma H_{20} = 705$$

$$\Sigma C_{20} = 1$$

$$\Sigma PCN_L = 0.52''$$

$$\Sigma PCN_S = 0.8''$$

$$T_{DMS} = 31/21$$

$$T_{UMI} = 30/23$$

$$T_W = 28$$

$$T_D = 22$$

$$PCN_{75} = 0.00''$$

$$\Sigma PCN_{75} = 0.48''$$

TUESDAY 29 DECEMBER 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.		
Max.		38 °F	Dir.	S	Temp.	72 °F	-SNOW 1715 - 1915 LT		
Min.	*	28 °F	Vel.	5 m.p.h.	Read.	28.74 in.	*TEMPERATURES RISING OVERNT		
Set		33 °F	Char.	LIGHT	Corr.	28.61 in.	0700	1300	1900
R.H.		84 %	24 hr. Mov.	M mi.	Sea L.	30.00 in.	Clds.	Clds.	Clds.
Ppn.	Liq.	T in.	Prev. Dir.	M	3 hr. Tend.	L-1 mb	Wx	Wx	Wx
Ppn.	Sol.	T in.	Snow Depth	0 in.	Observer	SRS	Wx	Wx	Wx
							Vis.	Vis.	Vis.
							5 mi.	mi.	10 mi.

*TEMPERATURES RISING OVERNT

Clds. 10/10 ST

Wx Gloomy START

Clds. 10/10 ST

Wx A few FLURRIES

Vis. 10 mi.

T 33

HDD 32

CDD 0

Σ HDD 737

Σ CDD 1

Σ PCN_L = 0.52"

Σ PCN_S = 0.8"

T DAVIS 33/29

TUNV 30/25

T_w 30

T_D 29

PCN_{TB} 0.00"

Σ PCN_{TB} 0.48"

WEDNESDAY 30 DECEMBER 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	35 °F	Dir.	NW	Temp.	70 °F	-SARA 1100-1200 LT -OCCN -SN 1400LT - 2300LT			
Min.	17 °F	Vel.	18 m.p.h.	Read.	28.57 in.				
Set	17 °F	Char.	GUSTY	Corr.	28.45 in.	* DERIVED FROM DAVIS			
R.H.	54 %	24 hr. Mov.	M mi.	Sea L.	29.90 in.	0700	1300	1900	
Ppn.	.02 in.	Prev. Dir.	M	3 hr. Tend.	/ +3 mb	Clds.	ST	Clds.	SC
Ppn.	T in.	Snow Depth	T in.	Observer	SRS	Wx	WIND	Wx	BLUSTERY
						CHILL	-12	Vis.	15 mi.
						Vis.		mi.	

26
H₀₀ 39

C₀₀ 0

ΣH₀₀ 776

ΣC₀₀ 1

ΣPCN_L = 0.54"

ΣPCN_S = 0.8"

T_{DAVIS} 17/3

T_{UNV} 18/7

T_w -
*T_D 3

*DERIVED FROM T_{DAVIS}

PCN_{TB} 0.00"
ΣPCN_{TB} 0.48"

THURSDAY 31 DECEMBER 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	18 °F	Dir.	SW	Temp.	68 °F	-OCLL -SNH obs - 2300LT		
Min.	12 °F	Vel.	6 m.p.h.	Read.	28.87 in.			
Set	15 °F	Char.	light	Corr.	28.75 in.	* DERIVED FROM DAVIS		
R.H.	62 %	24 hr. Mov.	M mi.	Sea L.	30.20 in.	0700	1300	1900
Ppn.	T in.	Prev. Dir.	M	3 hr. Tend.	STEADY mb	Clds.	Clds.	Clds.
						10/10 S+		6/10 Ci
						Wx	Wx	Wx
						BRR!		A few flakes
Ppn.	T in.	Snow Depth	T in.	Observer	SRS	Vis.	Vis.	Vis.
						15 mi.	mi.	10 mi.

\bar{T} 15
 H_{DD} 50
 COD 0
 ΣH_{DD} 826
 ΣC_{OD} 1
 $\Sigma PCN_L = 0.54''$
 $\Sigma PCN_S = 0.8''$

T_{DAVIS} 14/4
 T_{UNV} 14/5
 DECEMBER

$T_w -$
 T_{DL}^+

DECEMBER	ANNUAL
$\bar{T}_{MAX} = 45.7$	$\bar{T}_{MAX} = 61.8$
$\bar{T}_{MIN} = 30.6$	$\bar{T}_{MIN} = 43.8$
$\bar{T}_{DEC} = 38.16$	$\bar{T}_{ANN} = 52.79^*$
	RAIN = 38.16"
	SNOW = 31.4"

* HIGHEST EVER

$PCN_{TB} 0.00''$

$\Sigma PCN_{TB} 0.48''$

* DERIVED FROM DAVIS