

Monday 1 December 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.		
Max.	47 °F		Dir.	NBLW		Temp.	72 °F		
Min.	33 °F		Vel.	10 m.p.h.		Read.	28.57 in.		
Set	33 °F		Char.	Gusty		Corr.	28.45 in.		
R.H.	56 %		24 hr. Mov.	40 mi.		Sea L.	29.84 in.		
Ppn.	Liq.	0.37 in.		Prev. Dir.	NW		3 hr. Tend.	+2.5 mb	
Ppn.	Sol.	0.0 in.		Snow Depth	0 in.		Observer	AJD	
						** Derived from UNV dewpoint			
						0700	1300	1900	
						Clds.	sc	Clds.	1/10 Cu
						9/10		Clds.	0/10
						Wx	cold	Wx	bright
						Vis.	25 mi.	Vis.	25 mi.
						Vis.	25 mi.	Vis.	25 mi.
						Wx	stallit	Wx	stallit

T 40

HDD 25

Σ HDD 25

Σ CDD 0

Σ PCN_L 0.37

Σ PCN_S 0

T RAMOS 33/9

T UNV 33/19

T_w N/A

T_a 19

Tuesday 2, December 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.		
Max.	39 °F	Dir.	WNW	Temp.	70 °F				
Min.	29 °F	Vel.	3 m.p.h.	Read.	28.84 in.				
Set	30 °F	Char.	steady	Corr.	28.72 in.	0700	1300	1900	
R.H.	54 %	24 hr. Mov.	169 mi.	Sea L.	30.13 in.	Clds. 5/10 Cu	Clds. 1/10 Cu	Clds. 0/10	
Ppn.	0 in.	Prev. Dir.	WNW	3 hr. Tend.	+1.7 mb	Wx dull	Wx Sunny + blustery	Wx Planetary Alignment	
Ppn.	0 in.	Snow Depth	0 in.	Observer	JMJ	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

T 35
HDD 31
 Σ HDD 56
ZCDD 0
 Σ PCNL 0.37
 Σ PCNS 0

T Ramos 28/6
T unv 33/18

Tw N/A
Td unv 18

Wednesday December 3, 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 42 °F	Dir. —	Temp. 71 °F	* From UNV OBS			
Min. 24 °F	Vel. 0 m.p.h.	Read. 28.95 in.				
Set 25 °F	Char. Calm	Corr. 28.82 in.	0700	1300	1900	
R.H. 81 %	24 hr. Mov. 80 mi.	Sea L. 30.26 in.	Clds. Cc 3/10	Clds. Ac 8/10 Sc	Clds. 10/10 Sc	
Ppn. — in.	Prev. Dir. W	3 hr. Tend. — Omb	Wx Gorgeous Crimson Sunrise	Wx Mostly cloudy	Wx Windy	
Ppn. — in.	Sol. — in.	Snow Depth — in.	Observer EMB	Vis. (w/lay haze) 25 mi.	Vis. 25 mi.	Vis. 25 mi.

\bar{T} 33

T_{UV} 23/18

H_{DD} 32

T_{EAMS} 23/8

ΣH_{DD} 88

ΣP_{CN} 0.37

ΣP_{CN_S} 0

Thursday 4 December 1997

Meteorological Observatory
University Park, PA

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max. 43 °F	Dir. —	Temp. 71 °F	occl -RA, -DZ 1930 - OBS			
Min. * 25 °F	Vel. 0 m.p.h.	Read. 28.45 in.	* ovr low 36			
Set 36 °F	Char. calm	Corr. 28.33 in.	0700	1300	1900	
R.H. 92 %	24 hr. Mov. 24 mi.	Sea L. 29.71 in.	Clds. SF 10/10 SC AC	Clds. Sc 10/10 AS	Clds. Sc 8/10 CU	
Ppn. Liq. 0.12 in.	Prev. Dir. SSW	3 hr. Tend. ± 0 mb	Wx low lying fog	Wx Typically Crummy	Wx Cold & Cloudy.	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer JMJ	Vis. ~5 mi.	Vis. 7 mi.	Vis. 10 mi.	

\bar{T} 30

HDD 31

Σ HDD 119

Σ PCNL 0.49

Σ PCNS 0

Tramos 35/22

Tuv 40/32

Tw 37

Td 36

FRIDAY DECEMBER 5 1997

Meteorological Observatory
University Park, PA

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max. 46 °F	Dir. SSW	Temp. 70 °F	-SHSN ~0545 LT			
Min. 32 °F	Vel. 10 m.p.h.	Read. 28.69 in.				
Set 33 °F	Char. occasionally strong	Corr. 28.57 in.	0700	1300	1900	
R.H. 93 %	24 hr. Mov. 46 mi.	Sea L. 29.99 in.	Clds. Cu 6/10 Sc 5 Ci	Clds. Cu 9/10 Sc NS	Clds. Sc 6/10 NS	
Ppn. T in.	Prev. Dir. WSW	3 hr. Tend. -0.1 mb	Wx typical December morning	Wx light snow	Wx cold	
Ppn. T in.	Sol. Snow Depth 0 in.	Observer MSK	Vis. ~20 mi.	Vis. 25 mi.	Vis. 25 mi.	

\bar{T} 39

T_{ramos} 29/11

T_w 34

H_{DD} 26

$T_{\text{unv.}}$ 32/26

T_d 31

C_{DD} 0

ΣH_{DD} 145

ΣC_{DD} 0

ΣPENL 0.49

ΣPCNs 0

Saturday December 6, 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 35 °F	Dir. W	Temp. 70 °F	- SHSNGS 1240-1300 LT OCNL SHSN 1300 - OBS LT			
Min. 25 °F	Vel. 24632 m.p.h.	Read. 28.44 in.				
Set 25 °F	Char. GUSTY	Corr. 28.32 in.	0700	1300	1900	
R.H. 52 %	24 hr. Mov. 119 mi.	Sea L. 29.73 in.	Clds. SC 7/10 AS	Clds.	Clds. SC 6/10 AS	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. - 0 mb	Wx Brutally Cold/Windy	Wx	Wx Friggin' cold & windy	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer EMB	Vis. ~25 mi.	Vis. mi.	Vis. ~20 mi.	

\bar{T} 30

H_{00} 35

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ΣH_{00} 180

ΣPCN_L .49"

ΣPCN_S \emptyset

JUNU 25/12

TRAMOS 24/2

Sunday December 7 1997 0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 31 °F	Dir. NNW	Temp. 70 °F	-SNSH 1948 - 2020 LT -SNSH 0620 - OBS IF TIME			
Min. 25 °F	Vel. 7 m.p.h.	Read. 28.55 in.	BASED ON UNVOBS			
Set 29 °F	Char. occasional gusts	Corr. 28.43	0700	1300	1900	
R.H. 80 %	24 hr. Mov. 229 mi.	Sea L. 29.84 in.	Clds. Cs Ac 10 Sc	Clds.	Clds. 10/10 St	
Ppn. T in.	Liq. Prev. Dir. W	3 hr. Tend. +2 mb	Wx chilly w/ gusts	Wx	Wx beautiful	
Ppn. T in.	Sol. Snow Depth T in.	Observer MSK	Vis. ~2 mi.	Vis. mi.	Vis. 25 mi.	

T 28

H_{DD} 37

C_{DD} 0

ΣH_{DD} 217

ΣC_{DD} 0

ΣPCN_{L} 0.49"

ΣPCN_{S} 0

Tramos 27/9

T_{UNV} 30/22

T_d 22

Monday December 8, 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 36 °F	Dir. W	Temp. 69 °F	XOUNT Low 33 -SHSN OBS - ~0900 LT -SHSG ~1300 ~1400, ~0545 ** Based on UNW OBS			
Min. 29 °F	Vel. 9 m.p.h.	Read. 28.86 in.				
Set 34 °F	Char. Lt. Breeze	Corr. 28.74 in.	0700	1300	1900	
R.H. 70 %	24 hr. Mov. 50 mi.	Sea L. 30.14 in.	Clds. 10/10 ST	Clds. 10/10 SE NS	Clds. 10/10 ST	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. 141.4 mb	Wx Is the Sun yellow?	Wx -SN very light Flurries	Wx Calm	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer EMB	Vis. ~25 mi.	Vis. ~25 mi.	Vis. ~20 mi.	

T 33

T Ramos 32/14

H₀₀ 32

T unv 34/25

ΣH_{00} 249

ΣP_{CW} 0.49"

$\Sigma P_{CW_s} T$

Tuesday 9, December 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 36 °F	Dir. -	Temp. 71 °F	0000 56 085-1130 LT			
Min. 26 °F	Vel. 0 m.p.h.	Read. 28.74 in.				
Set 26 °F	Char. calm	Corr. 28.61 in.	0700	1300	1900	
R.H. 82 %	24 hr. Mov. M mi.	Sea L. 30.00 in.	Clds. 9/10 ST SC	Clds. 10/10 ST	Clds. 10/10 ST	
Ppn. T in.	Liq. in.	Prev. Dir. WNW	3 hr. Tend. -1.0 mb	Wx dreary	Wx Depressing as usual	Wx -F20Z FOG
Ppn. T in.	Sol. in.	Snow Depth 0 in.	Observer JMJ	Vis. 12 mi.	Vis. 15 mi.	Vis. 3 mi.

\bar{T} 31

HDD 34

Σ HDD 283

PCNL T

PCNs T

Σ PCNL 0.49

Σ PCNs T

T_{unv} 26/21

Tramos 25/10

T_{dunv} 21

Wednesday 10 - December 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. 36 °F	Dir. NE	Temp. 70 °F	-GS FZDZ 1700-1815 -SN/SN 10600 - 0855 -PE 10545 ~ 0600				
Min. 26 °F	Vel. 6 m.p.h.	Read. 28.61 in.	Based on UNU obs				
Set 33 °F	Char. Light	Corr. 28.49 in.	0700	1300	1900		
R.H. 89 %	24 hr. Mov. 26 mi.	Sea L. 29.89 in.	Clds. 10/10 Ns	Clds. 10/10 Ns	Clds. 10/10 Sc		
Ppn. .06 in.	Liq. Prev. Dir. SE	3 hr. Tend. 74.5 mb	Wx SN FG Huge Flakes!!	Wx SN FG NET SNOW	Wx erie fall		
Ppn. .4 in.	Sol. Snow Depth 7 in.	Observer EMB	Vis. 1/2 mi.	Vis. 1.5 mi.	Vis. 5 mi.		

\bar{T} 31

H_{DO} 34

ΣH_{DO} 317

P_{CNL} .06"

P_{CN_s} .4"

ΣP_{CN_L} .55"

ΣP_{CN_L} .4"

T_{RAMOS} 32/17

T_{UNU} 32/29

T_d 29

Thursday 11 December 1997 0700 EST Meteorological Observatory University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 36 °F	Dir. S	Temp. 71 °F		SN OBS-0730 Esol @ 800 0.2" -SN 0730-0800 Esol @ 1230 2.0" -PE 0800-0810 -SN PERA 1200- -SNPE 0815-830 -PE 1440-1500 1440 -PE 0830-0800 -UCCN -SNPE #02 -SN 0900-1200 -02 0400-OBS		
Min. 32 °F	Vel. 1 m.p.h.	Read. 28.66 in.				
Set 34 °F	Char. light	Corr. 28.53 in.		0700	1300	1900
R.H. 92 %	24 hr. Mov. 19 mi.	Sea L. 29.92 in.	Clds. 10/10 St Sc	Clds. 10/10 St	Clds. 10/10 St	
Ppn. Liq. .47" in.	Prev. Dir. ESE	3 hr. Tend. 1 + 2.4 mb	Wx gray & dismal	Wx ditto	Wx gloom & doom	
Ppn. Sol. 3.0" in.	Snow Depth 2" in.	Observer JMJ	Vis. 20 mi.	Vis. 20 mi.	Vis. 20 mi.	

\bar{T} 34

HDD 31

Σ HDD 348

PCNL .47"

PCNs 3.0'

Σ PCNL 1.02"

Σ PCNs 3.4"

Tramos 33/19

Tunv 33/29

Tw34

Td33

Friday 12 December 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 36 °F	Dir. SW	Temp. 69 °F	- DZSN 1310 - 1340 - SNSM 0430 - 0650			
Min. 34 °F	Vel. 2 m.p.h.	Read. 28.64 in.	★			
Set 34 °F	Char. light	Corr. 28.51 in.	0700	1300	1900	
R.H. 93 %	24 hr. Mov. 26 mi.	Sea L. 29.90 in.	Clds. Ac 10 Sc 10	Clds. St 5 Sc 10	Clds. Ac 9 Sc 5	
Ppn. T in.	Liq. in.	Prev. Dir. W	3 hr. Tend. +0.5 mb	Wx gloomy / again!	Wx drab	Wx cold
Ppn. T in.	Sol. in.	Snow Depth 1 in.	Observer MSK	Vis. 20 mi.	Vis. ~25 mi.	Vis. 25 mi.

T 35

HOD 30

CON 0

Σ HOD 378

Σ CON 0

PENL T

PENS T

Σ PENL 1.02

Σ PENS 3.4

Tramos 31/14

TUNV. 34/26

tw 34

Td. 31

Saturday December 13 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 35 °F	Dir. SW	Temp. 69 °F	-SHSN 0725-0755 -SHSN 0810-0845 *RH based on UNV obs.			
Min. 28 °F	Vel. 7 m.p.h.	Read. 28.5 in.				
Set 28 °F	Char. Occ. gusts	Corr. 28.38 in.	0700	1300	1900	
* R.H. 72 %	24 hr. Mov. 146 mi.	Sea L. 29.78 in.	Clds. Sc 8/10 Cu Ci	Clds.	Clds. Sc 9/10 Cu	
Ppn. T in.	Prev. Dir. W	3 hr. Tend. steady mb	Wx chilly	Wx	Wx still chilly	
Ppn. T in.	Snow Depth 1 in.	Observer MSK	Vis. ~25 mi.	Vis. mi.	Vis. ~25 mi.	

\bar{T} 32
HDD 33
CDD 0
 Σ HDD 411
 Σ CDD 0
 Σ PCNL 1.02
 Σ PCNS 3.4

T ramos 26/5
T unu 28/20

T_w ~~20~~
 T_d 20

Sunday December 14 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	36 °F	Dir. WNW	Temp. 68 °F	*OVNT LOW 29 X Based on UNV.OBS		
Min.	28 °F	Vel. 10 m.p.h.	Read. 28.60h.			
Set	29 °F	Char. moderate	Corr. 28.53	0700	1300	1900
R.H.	69 %	24 hr. Mov. 160 mi.	Sea L. 29.92	Clds. Cu 9/10 Sc	Clds.	Clds. Cu 3/10 Sc
Ppn.	0 in.	Prev. Dir. WSW	3 hr. Tend. +2 mb	Wx nippy	Wx	Wx-full moon /cold
Ppn.	0 in.	Snow Depth T in.	Observer MSK	Vis. 25 mi.	Vis. mi.	Vis. 20 mi.

\bar{T} 32 \bar{T}_{ramos} 27/5 $T_d = 20$ H_{DD} 33 T_{unv} 30/20 C_{DD} 0 ΣH_{DD} 444 ΣC_{DD} 0 ΣPCN_L 1.02 ΣPCN_S 3.4

Monday December 15, 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 35 °F	Dir. SW	Temp. 68 °F	* Based on UNV obs			
Min. 24 °F	Vel. 6 m.p.h.	Read. 28.87 in.				
Set 24 °F	Char. Light	Corr. 28.75 in.	0700	1300	1900	
R.H. * 65 %	24 Hr. Mov. 121 mi.	Sea L. 30.18 in.	Clds. 0/10	Clds. 0/10	Clds. 3 Cu 5 To	
Ppn. 0 in.	Liq. in.	Prev. Dir. W	3 hr. Tend. V + 0 mb	Wx Bright Moon / Calm	Wx cool and crisp	Wx CRISP
Ppn. 0 in.	Sol. in.	Snow Depth 0 in.	Observer EMB	Vis. ~25 mi.	Vis. 25 mi.	Vis. ~25 mi.

T 30

H₀₀ 35

ΣH_{00} 479

ΣPCN_c 1.02"

ΣPCN_s 3.4"

T_{RAMOS} 25/6

T_{UNV} 26/16

T_{d_{UNV}} 16



TUESDAY 16 DECEMBER, 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 44 °F	Dir. -	Temp. 70 °F	* DUNIT LOW 3.0 * UNV R.H.			
Min. 24 * °F	Vel. CALM m.p.h.	Read. 28.91 in.				
Set. 31 °F	Char. CALM	Corr. 28.79 in.	0700	1300	1900	
R.H. 39 %	24 hr. Mov. 67 mi.	Sea L. 30.20 in.	Clds. CLR FEW AS NW	Clds. ci 7/10	Clds. 0/10	
Ppn. Liq. 0.00 in.	Prev. Dir. SW	3 hr. Tend. -0.0 mb	Wx FINE	Wx Nice	Wx Clear/ Mild/ Spring-like	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer WBS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\bar{T} = 34$$

$$H_{20} = 31$$

$$\Sigma H_{20} = 510$$

$$\Sigma PCN_L = 1.02''$$

$$\Sigma PCN_S = 3.4''$$

$$T_{Rings} = 33/3$$

$$T_{unw} = 32/10$$

$$T_d = 10(\text{unw})$$

Wednesday December 17, 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. 55 °F	Dir. SW	Temp. 70 °F	* 10°F Temp inversion between surface + top of Walker				
Min. 29 °F	Vel. 8 m.p.h.	Read. 28.70 in.					
Set 30 °F	Char. Lt. breeze	Corr. 28.58 in.	0700	1300	1900		
R.H. 43 %	24 hr. Mov. 21 mi.	Sea L. 29.99 in.	Clds. 4/10 cu	Clds. 7/10 cu	Clds. 0/10		
Ppn. 0 in.	Liq. in.	Prev. Dir. SW	3 hr. Tend. -0 mb	Wx Incredible pink sunrise/mild	Wx bright	Wx starlit	
Ppn. 0 in.	Sol. in.	Snow Depth 0 in.	Observer EMB	Vis. 20 mi.	Vis. ~25 mi.	Vis. 25 mi.	

\bar{T} 42

H_{DD} 23

ΣH_{DD} 533

ΣP_{CWL} 1.02"

ΣP_{CNS} 3.4"

T_{UNW} 36/16

T_{RAMOS} 35/6

T_d 16

Thursday 18 December 1997 Meteorological Observatory
 0700 EST University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 44 °F	Dir. W	Temp. 69 °F				
Min. 21 °F	Vel. 1 m.p.h.	Read. 28.87 in.				
Set 21 °F	Char. light	Corr. 28.75 in.		0700	1300	1900
R.H. 81 %	24 hr. Mov. 34 mi.	Sea L. 30.19 in.	Clds. 0/10 ci	Clds. 2/10 ci	Clds. 6/10 ci	Cs
Ppn. 0 in.	Liq. Prev. Dir. W	3 hr. Tend. +1.1 mb	Wx crystal clear	Wx bright!	Wx dark	
Ppn. 0 in.	Sol. Snow Depth 0 in.	Observer JMJ	Vis. 25 mi.	Vis. 25 mi.	Vis. ~25 mi.	

\bar{T} 33

HDD 32

Σ HDD ~~32~~ 565

Σ PCNL 1.02"

Σ PCNS 3.4"

Tramos 22/7

Tuvn 24/19

T_{duv} = 19

Friday 19 December 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max. 43 °F	Dir. SW	Temp. 70 °F	* out low 31					
Min. 20 °F	Vel. 3 m.p.h.	Read. 28.81 in.						
Set 39 °F	Char. variable	Corr. 28.69 in.	0700			1300		1900
R.H. 57 %	24 hr. Mov. 40 mi.	Sea L. 30.07 in.	Clds. Cs 4/10 cc	Clds. Cs 3/10 cc	contrails		Clds. 0/10	
Ppn. 0	Liq. in.	Prev. Dir. SW	3 hr. Tend. +0.2 mb	Wx seasonable	Wx magnificent	Wx twinkling stars		
Ppn. 0	Sol. in.	Snow Depth 0 in.	Observer JMJ	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.		

T 32
HDD 33
 Σ HDD 598
 Σ PCNL 1.02"
 Σ PCNs 3.4"

Tuv 41/27
Tramos 38/15

T_{av} 36
T_d 27

Saturday 20 December 1997 0700 EST Meteorological Observatory University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	53 °F	Dir. SSW	Temp. 69 °F			
Min.	32 °F	Vel. 2 m.p.h.	Read. 28.64 in.			
Set	32 °F	Char. steady	Corr. 28.52 in.	0700	1300	1900
R.H.	64 %	24 hr. Mov. 67 mi.	Sea L. 29.92 in.	Clds. 2/10 CS	Clds. 10/10 SC BKN	Clds. 8/10 SC
Ppn.	Liq. 0 in.	Prev. Dir. SW	3 hr. Tend. L-0.5 mb	Wx ENlightening	Wx DULL	Wx STILL DULL
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer JMJ	Vis. 25 mi.	Vis. 20 mi.	Vis. 20 mi.

T 43
HDD 22
Σ HDD 620
Σ PCNs 1.02"
Σ PCNs 3.4"

T_{unv} 37/26
T_{RAMS} 38/17

T_{dunv} 26

SUNDAY 21 DECEMBER 1997

Meteorological Observatory
University Park, PA

0700 EST

Temp.			Wind	Barom.	General Obs.			
Max.	44 °F		Dir.	NNW	Temp.	70 °F		-SHAA 1215-1230, 1500-1510
Min.	31 °F		Vel.	5 m.p.h.	Read.	29.05 in.		
Set	31 °F		Char.	STEADY	Corr.	28.93 in.		
R.H.	58 %		24 hr. Mov.		Sea L.	30.35 in.		0700
Ppn.	Liq.	7 in.		Prev. Dir.	3 hr. Tend.	14.2 mb		1300
Ppn.	Sol.	0 in.		Snow Depth	0 in.	Observer	WJS	
						Vis.	25 mi.	
						Vis.	mi.	
						Vis.	25 mi.	

Clds. 9/10 SE
Wx WNE CLOUDS E
Clds. 3/10 -ci
Wx 04/10 W

T 38
HDD 27
E HDD 647
 ΣPCN_L 1.02"
 ΣPCN_S 3.4"

$T_{uni} = 34/18$
 $T_{ram} = 30/7$

$T_D(uni) = 18$

MONDAY 22 DECEMBER 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	38 °F	Dir.	ESE	Temp.	70 °F			
Min.	24 °F	Vel.	8 m.p.h.	Read.	29.08 in.			
Set	27 °F	Char.	STEADY	Corr.	28.96 in.	0700	1300	1900
R.H.	52 %	24 hr. Mov.	M mi.	Sea L.	30.39 in.	Clds. 10/10 SE BND E	Clds. 10/10 NS	Clds. 10/10 NS
Ppn.	0.00 in.	Liq.		Prev. Dir.	E	3 hr. Tend.	+0.6 mb	Wx RAW
								Wx -FZDZ
Ppn.	0.0 in.	Sol.		Snow Depth	0 in.	Observer	WTS	Vis. 25 mi.
								Vis. 8 mi.
								Vis. 7 mi.

Wx
-FZRA
CLDZ+

Vis.
5000 ft

\bar{F} 31
 H_{20} 34
 $\sum H_{20}$ 681
 $\sum PCN_2$ 1.02"
 $\sum PCN_3$ 3.4"

$T_{UM} = 27/12$
 $T_{AM} = 22/10$

$T_D (UM) = 12$

TUESDAY 23 DECEMBER 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.		Dir.	Temp.	* OVNT LOW 30, TEMPS. ROSE OVNT. FZRA @ 1005 LT, E 1008 PE @ 1006 E 1025, -SN @ 1025 E 1130 -FZRA @ 1130, OCCL → 0600 LT -2R OCCL PE 1845-0100 (OVER) -12 RAIN @ 235			
33	°F	-	68				°F
Min.		Vel.	Read.				
27	* °F	0	28.72	in.	0700	1300	1900
Set		Char.	Corr.				
33	°F	CALM	28.60	in.			
R.H.		24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
97	(or) %	58	30.00	10/10 NS	10/10 SE	10/10 NS	
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.24	in.	SSE	-0.0 mb	-DZ FG	-FG	-DZ	
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
T	in.	T	WTS	1	8	7	mi.

\bar{T} 30

H₂O 35

SA_{AD} 716

EPEN_L 1.26"

EPEN_S 3.4"

T_{UNI} 34/28

T_{RAM} 29/15

T_g (EST) = 32

APPROX 1/4" ICE COATING

WEDNESDAY 24 DECEMBER 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F	Dir. N	Temp. 70 °F	OCCL - 22 OBS - 2300 LT			
Min. 33 °F	Vel. 2 m.p.h.	Read. 28.97 in.				
Set. 33 °F	Char. LIGHT	Corr. 28.85 in.	0700	1300	1900	
R.H. 78(57)%	24 hr. Mov. 37 mi.	Sea L. 30.26 in.	Clds. 10/10 SC	Clds.	Clds. 10/10 NS	
Ppn. Liq. T in.	Prev. Dir. W	3 hr. Tend. +1.2 mb	Wx DRAB	Wx	Wx -RA	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer WJS	Vis. 20 mi.	Vis. mi.	Vis. 3 mi.	

\bar{T} 36

H₂O 29

E/H₂O 745

EPCW 1.26"

EPCNS 3.4"

T_{UM} 34/23

T_{PM} = 32/12

T_D (3T) = 27

THURSDAY 25 DECEMBER 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 38 °F	Dir. SW	Temp. 71 °F	-RAPE @ 1945 LT PE EMO -AAE-0230 LT			
Min. 33 * °F	Vel. 2 m.p.h.	Read. 28.52 in.	*OVNT LOW 35			
Set 36 °F	Char. LIGHT	Corr. 28.40 in.	0700	1300	1900	
R.H. 92 %	24 hr. Mov. 57 mi.	Sea L. 29.78 in.	Clds. SC 10/10 NOV OBS	Clds.	Clds. 9/10 SC	
Ppn. Liq. 0.36 in.	Prev. Dir. SE	3 hr. Tend. -0.7 mb	Wx HO-HO HUM	Wx	Wx BREEZY	
Ppn. Sol. T in.	Snow Depth 0 in.	Observer WJS	Vis. 10 mi.	Vis. mi.	Vis. E 15 mi.	

$$\bar{T} = 36$$

$$H_{10} = 29$$

$$\Sigma \text{ft} = 774$$

$$\Sigma \text{PCN}_2 = 1.62''$$

$$\Sigma \text{PCN}_5 = 3.4''$$

$$T_{\text{unv}} = 36/30$$

$$T_{\text{arm}} = 34/18$$

$$T_w = 35$$

$$T_D = 34$$

FRIDAY 26 DECEMBER 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 43 °F	Dir. SW	Temp. 71 °F	*OUNT LOW 37 -SHAA 1445-1700 LT OCEL-DE 0520-055			
Min. 36 °F	Vel. 7 m.p.h.	Read. 28.67 in.	*UNV T3			
Set 37 °F	Char. STEADY	Corr. 28.55 in.	0700	1300	1900	
R.H. 70 %	24 hr. Mov. 65 mi.	Sea L. 29.94 in.	Clds. 10/10 St	Clds.	Clds. 10/10 St	
Ppn. Liq. 0.02 in.	Prev. Dir. SW	3 hr. Tend. +0.6 mb	Wx STILL 2L-	Wx	Wx S.O.S.	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer WJS	Vis. 25 mi.	Vis. mi.	Vis. E15 mi.	

$$\bar{T} = 40$$

$$T_{\text{low}} = 37/28$$

$$T_{\text{high}} = 28$$

$$H_{10} = 25$$

$$T_{\text{arm}} = 34/16$$

$$\sum H_{10} = 799$$

$$\sum PCN_L = 1.64''$$

$$\sum PCN_S = 3.4''$$

SATURDAY 27 DECEMBER 1997

Meteorological Observatory
University Park, PA

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max. 37 °F	Dir. SW	Temp. 71 °F	OCCL - DZ 0702 ~ 0900? -SHSN ~ 1905 LT -SN 0445-085			
Min. 31 °F	Vel. 5 m.p.h.	Read. 28.69 in.				
Set 31 °F	Char. STEADY	Corr. 28.57 in.	0700	1300	1900	
R.H. 96(E)%	24 hr. Mov. 96 mi.	Sea L. 29.97 in.	Clds. X (1/4-1/2)	Clds.	Clds. 10/10 SE	
Ppn. Liq. 0.01 in.	Prev. Dir. SW	3 hr. Tend. +2.09 mb	Wx -SN	Wx	Wx BRISK	
Ppn. Sol. 0.1 in.	Snow Depth T in.	Observer WJS	Vis. 1/4 mi.	Vis. mi.	Vis. E 12 mi.	

$$\bar{T} = 34$$

$$H_{20} = 31$$

$$\Sigma H_{20} = 830$$

$$\Sigma PCN_L = 1.65''$$

$$\Sigma PCN_S = 3.5''$$

$$\bar{T}_{UNU} = 32/25$$

$$\bar{T}_{NAM} = 28/12$$

$$\bar{T}_{(EST)} = 30$$

SUNDAY 28 DECEMBER 1997

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 35 °F	Dir. NW	Temp. 71 °F	-SN OBS - 1145 LT OCC - SN 1145 - 1500 LT -SHW 0445 - 0600			
Min. 27 °F	Vel. 5 m.p.h.	Read. 28.68 in.				
Set 28 °F	Char. A BIT GUSTY	Corr. 28.55 in.	0700	1300	1900	
R.H. 69 %	24 hr. Mov. 42 mi.	Sea L. 29.96 in.	Clds. 2/10 SC	Clds. 7/10 SC	Clds. CLR	
Ppn. Liq. 0.04 in.	Prev. Dir. NW	3 hr. Tend. +1.6 mb	Wx SOON, THE SUN!	Wx NICE	Wx COLD!	
Ppn. Sol. 0.4 in.	Snow Depth 7 in.	Observer WJS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$$\bar{T} = 31$$

$$H_{20} = 34$$

$$\sum H_{20} = 864$$

$$\sum PCN_L = 1.69''$$

$$\sum PCN_S = 3.9''$$

$$T_{UN} = 28/19$$

$$T_{RAM} = 25/2$$

$$T_D = 19$$

MONDAY 29 DECEMBER 1997
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	32 °F	Dir. 556	Temp. 70 °F			
Min.	26 °F	Vel. 10 m.p.h.	Read. 28.67 in.			
Set	29 °F	Char. STEADY	Corr. 28.55 in.	0700	1300	1900
R.H.	63 %	24 hr. Mov. 50 mi.	Sea L. 29.96 in.	Clds. 9/10 Sc	Clds. 9/10 Sc	Clds. 10/10 St
Ppn.	Liq. 0.00 in.	Prev. Dir. SW	3 hr. Tend. -0.6 mb	Wx BITING	Wx DECEPTIVE or DIAGNOSTIC	Wx STILL WAITING
Ppn.	Sol. 0.0 in.	Snow Depth 0 in.	Observer WJS	Vis. 20 mi.	Vis. 20 mi.	Vis. 10 mi.

$$\bar{T} = 29$$

$$H_{20} = 36$$

$$\sum H_{20} = 900$$

$$\sum PCN_L = 1.69''$$

$$\sum PCN_S = 3.9''$$

$$T_{UNJ} = 28/18$$

$$T_{RAM} = 26/3$$

$$T_D = 18$$

TUESDAY 20 DECEMBER 1937
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 34 °F	Dir. W	Temp. 71 °F	-SN B 1945 LT SN, OCCL +SN 2015-0100 SN, OCCL SN 0100-005			
Min. 27 °F	Vel. 20 m.p.h.	Read. 28.00 in.	* RECORDED SNOWFALL FOR DATE (OLD = 4.0, 1962) ↓			
Set 27 °F	Char. GWTY	Corr. 27.88 in.	0700	1300	1900	
R.H. 96%	24 hr. Mov. 61 mi.	Sea L. 29.26 in.	Clds. X (10/10 NS)	Clds.	Clds. 9/10 NS 3C	
Ppn. Liq. 0.71 in.	Prev. Dir. SSE	3 hr. Tend. -10.8 mb	Wx -SN BLSN	Wx	Wx -SHSN	
Ppn. Sol. 9.5 in.	Snow Depth 9 in.	Observer WJS	Vis. 3/4 mi.	Vis. mi.	Vis. 5/15 mi.	

$$\bar{F} = 31$$

$$H_{60} = 34$$

$$\Sigma H_{60} = 934$$

$$\Sigma PCN_L = 2.40''$$

$$\Sigma PCN_S = 13.4''$$

$$T_{UNV} = 28/21$$

$$T_{PM} = 25/9$$

$$T_D = 26$$

(E)

<u>DOAS BURR</u>	<u>OBS</u>	
TIME	DEPTH	COUNTS
0045	0.2"	0.2"/hr
2345	4.0"	1.3"/hr
0045	8.0"	4.0"/hr
0615	13.0"	0.9"/hr

WEDNESDAY 31 DECEMBER 1997

Meteorological Observatory
University Park, PA

0700 EST

Temp.		Wind	Barom.	General Obs.		
Max.	33 °F	Dir. W	Temp. 70 °F	SN OBS - 1130 LT SET SHSN 1130 - 0330 LT		
Min.	19 °F	Vel. 10 m.p.h.	Read. 28.59 in.			
Set	19 °F	Char. BUSTY	Corr. 28.47 in.	0700	1300	1900
R.H.	59 %	24 hr. Mov. 195 mi.	Sea L. 29.90 in.	Clds. 6/10 SC - Ci	Clds.	Clds. Low CLR 5k SW
Ppn. Liq.	0.10 in.	Prev. Dir. W	3 hr. Tend. +3.1 mb	Wx COOALD!	Wx	Wx WC=70
Ppn. Sol.	1.3 in.	Snow Depth 8 in.	Observer WLS	Vis. 25+ mi.	Vis. mi.	Vis. 25 mi.

$$\bar{T} = 26$$

$$H_{20} = 39$$

$$\Sigma A_{20} = 973$$

$$\Sigma PCN_L = 2.50$$

$$\Sigma PCN_S = 14.7$$

$$T_{UNV} = 18/7$$

$$T_{RM} = 17/-1$$

$$T_D = 7$$

DECEMBER

$$\bar{T}_{MAX} = 39.1 \quad \bar{T} = 33.44$$

$$\bar{T}_{MIN} = 27.7$$

ANNUAL 1997

$$\bar{T}_{MAX} = 58.1 \quad \Sigma PCN_L = 38.70$$

$$T_{RMV} = 39.4 \quad \Sigma PCN_S = 48.9$$

$$\bar{T}_{YR} = 48.77 \quad \Sigma H_{20} = 6304$$

$$\Sigma C_{20} = 468$$