

WEDNESDAY 3 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.	- SHRA OBS-0905 LT			
81 °F	S	73 °F	- TSRA 1605-1730 LT			
Min.	Vel.	Read.	OCWL + TSRA			
61 °F	15620 m.p.h.	28.61 in.	GAUGE EMPTIED 0.42" 1705 LT			
Set	Char.	Corr.	* - TSRA 2000-2030 LT			
63 °F	GUSTY	28.49 in.	OVERNIGHT LOW 63			
R.H.	24 hr. Mov.	Sea L.	0700	1300	1900	
75 %	M mi.	29.79 in.	Clds. 0/10	Clds.	Clds. 6/10	CU
Ppn.	Prev. Dir.	3 hr. Tend.	STCU DECK E	Wx	Wx	Nice
0.43 in.	M	7+1 mb	PLEASANT	Vis.	Vis.	20 mi.
Ppn.	Snow Depth	Observer	25 mi.	mi.		
- in.	- in.	TJO				

HDD 0

CDD 6

Σ HDD 0

Σ CDD 6

Σ PCNL 0.43

Σ PCNS 0

Tramos m/m
TUVV 64/54

Tw 58

To 55

THURSDAY 2 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.			
Max.	78 °F		Dir.	W		Temp.	73 °F			
Min.	56 °F		Vel.	5 m.p.h.		Read.	28.90 in.			
Set	61 °F		Char.	light		Corr.	28.77 in.			
R.H.	70 %		24 hr. Mov.	M mi.		Sea L.	30.13 in.			
Ppn.	Liq.	Prev. Dir.		3 hr. Tend.		Clds.	0700		1300	1900
-	in.	M		/+2 mb		0/10 clear	Clds.		3/10 CU 1/10 CI	
						Wx BRIGHT SUNSHINE	Wx		Wx Pleasant	
Ppn.	Sol.	Snow Depth		Observer		Vis.	25 mi.		20 mi.	
-	in.	- in.		SRS			mi.			

1 67

$H_{DD} 0$

$C_{DD} 2$

$\Sigma H_{DD} 0$

$\Sigma C_{DD} 8$

$\Sigma PCN_L 0.43$

$\Sigma PCN_S \emptyset$

TRAMOS M/M
TUNV 62/53

TW 55
TA 51

FRIDAY 3 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.		General Obs.		
Max.		79 °F	Dir.	-	Temp.	74 °F			
Min.		57 °F	Vel.	- m.p.h.	Read.	29.00 in.			
Set		61 °F	Char.	calm	Corr.	28.87 in.	0700	1300	1900
R.H.		78 %	24 hr. Mov.	M mi.	Sea L.	30.22 in.	Clds. Ac 6/10 ci	Clds.	Clds. 4/10 ci
Ppn.	Liq.	- in.	Prev. Dir.	M	3 hr. Tend.	STEADY mb	Wx valley fog	Wx	Wx HAZY
Ppn.	Sol.	- in.	Snow Depth	- in.	Observer	SRS	Vis. ~4 mi.	Vis. mi.	Vis. 20 mi.

168

$H_{DD} \emptyset$

$C_{DD} 3$

$\Sigma H_{DD} \emptyset$

$\Sigma C_{DD} 11$

$\Sigma PCN_{L0.43}$

$\Sigma PCN_s \emptyset$

TRANOS ^{m/m}
TUNV 61/52

TW57
TD 54

T 71
H_{DD} ∅
C_{DD} 6
ΣH_{DD} ∅
ΣC_{DD} 17
ΣPCN_L 0.43
ΣPCN_S ∅

TRAMOS M/M
TUNV 61/54

TW 58
Td 55

SUNDAY 5 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.		Dir.		Temp.	-SHRA 15:00 ~ 21:00 LT		
76	°F	-		73			
Min.		Vel.		Read.			
57	°F	-	m.p.h.	28.95			
Set		Char.		Corr.	0700	1300	1900
62	°F	calm		28.82			
R.H.		24 hr. Mov.		Sea L.	Clds.	Clds.	Clds.
81	%	M	mi.	30.17	Ac 5/10 ci		0/10
Ppn.	Liq.	Prev. Dir.		3 hr. Tend.	Wx	Wx	Wx
.22	in.	M		+2 mb	Valley fog		ST DECK W-SW
Ppn.	Sol.	Snow Depth		Observer	Vis.	Vis.	Vis.
-	in.	-	in.	SRS	~ 5	mi.	25
						mi.	mi.

T 67

H₀₀ ∅

C₀₀ 2

Σ H₀₀ ∅

Σ C₀₀ 19

Σ PCN_L 0.65

Σ PCN_S ∅

T RAMOS M/M
TUNV 63/58

TW 58

TJ 56

MONDAY 6 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	77 °F	Dir.	-	Temp.	74 °F		
Min.	53 °F	Vel.	- m.p.h.	Read.	29.18 in.		
Set	58 °F	Char.	CALM	Corr.	29.05 in.	0700	1300
R.H.	84 %	24 hr. Mov.	M mi.	Sea L.	30.40 in.	Clds. 9/10 CI AS	Clds. 0/10
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	+ 1 mb	Wx MADE TAILS SUNDOGS	Wx PERFECT
Ppn.	- in.	Snow Depth	- in.	Observer	TJO	Vis. - 10 mi.	Vis. 25 mi.

\bar{T} 65

HDD 0

CDD 0

Σ HDD 0

Σ CDD 19

Σ PCN_L 0.65

Σ PCN_S 0

Tramos m/m

TUVV 55/52

TW 55

T_D 53

TUESDAY 7 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir.	-	Temp.	73 °F	
Min.	58 °F	Vel.	- m.p.h.	Read.	29.00 in.	
Set	66 °F	Char.	calm	Corr.	28.88 in.	
R.H.	75 %	24 hr. Mov.	M mi.	Sea L.	30.20 in.	
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	STEADY mb	
Ppn.	- in.	Snow Depth	- in.	Observer	TJO	
				Vis.	10 mi.	
				Vis.	mi.	1-2 mi.

OVERNIGHT LOW 62

0700	1300	1900
Clds. 5/10	Clds.	Clds. 10/10
CI AC		NS
Wx VALLEY HAZE	Wx	Wx WARM REFRESHING RA/RA

T 70
HDD 0
CDD 5
 Σ HDD 0
 Σ CDD 24
 Σ PCWL 0.65
 Σ PCWS 0

$\frac{T_{uv}}{T_{frames}}$ 66/57
m/m

$\frac{T_w}{T_d}$ 61
58

WEDNESDAY 8 July 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F	Dir. -	Temp. 73 °F	-SHEA 1250-1310 LT -EA/OCNL+EA 1730-0854			
Min. 64 °F	Vel. - m.p.h.	Read. 28.81 in.	GAGE EMPTIED .72" 2000LT			
Set 64 °F	Char. calm	Corr. 28.69 in.	* FROM UNV OBS			
R.H. 90 %	24 hr. Mov. M mi.	Sea L. 30.00 in.	Clds. 10/10 NS	Clds.	Clds. 10/10 ST	
Ppn. 1.21 in.	Liq. in.	Prev. Dir. M	3 hr. Tend. ^ O mb	Wx +SARA	Wx Muggy/ Hot	
Ppn. - in.	Sol. in.	Snow Depth - in.	Observer TJO	Vis. ~3 mi.	Vis. mi. 5 mi.	

\bar{T} 73

HDD 0

CDD 8

Σ HDD 0

Σ CDD 32

Σ PCNL 1.86

Σ PCNs 0

TUNV 64/61

Tramos m/m

Tw m

TD 61*

* From UNV obs

THURSDAY 9 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 69 °F	Dir. -		Temp. 73 °F	+ SHRA OBS-0805 LT + TSRA 0805-0825 LT		
Min. 62 °F	Vel. - m.p.h.		Read. 28.78 in.	SHRA 0825-1100 LT GAUGE Emptied @ 1000 LT 0.26		
Set 67 °F	Char. calm		Corr. 28.65 in.	0CLL - RA, - DZ 1100-1500 LT		
R.H. 83 %	24 hr. Mov. M mi.	Sea L. 29.98 in.	Clds. 9/10 \times	0700	1300	1900
Ppn. Liq. 0.27 in.	Prev. Dir. M	3 hr. Tend. STEADY mb	Wx muggy	Clds. 3/10	Wx Cb DSNT NE Hazy SUN	Clds. 3/10
Ppn. Sol. - in.	Snow Depth - in.	Observer SRS	Vis. 25 mi.	Wx -	Vis. -	Vis. 10 mi.

\bar{T} 66

H₀₀ 0

C₀₀ 1

ΣH_{00} 0

ΣC_{00} 33

ΣPCN_L 2.13

ΣPCN_S 0

TUNV 67/61

TRAMOS M/M

T_w 63

T_d 61

FRIDAY 10 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	80 °F	Dir. W	Temp. 73 °F			
Min.	61 °F	Vel. 4-8 m.p.h.	Read. 28.82 in.			
Set	66 °F	Char. LIGHT	Corr. 28.69 in.	0700	1300	1900
R.H.	82 %	24 hr. Mov. M mi.	Sea L. 30.02 in.	Clds. 2/10 AC	Clds.	Clds. 1/10 AC
Ppn.	Liq. - in.	Prev. Dir. M	3 hr. Tend. +0.5mb	Wx PLENTY OF SUNSHINE	Wx	Wx REFRESHING BREEZE
Ppn.	Sol. - in.	Snow Depth - in.	Observer SRS	Vis. 10 mi.	Vis. mi.	Vis. 25 mi.

\bar{T} 71

H₀₀ 0

C₀₀ 6

ΣH_{00} 0

ΣC_{00} 39

ΣPCN_2 2.13

ΣPCN_3 0

TUNV 66/59
TRAMOS M/M

T_w 62
T_D 60

SATURDAY July 11, 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	79 °F	Dir.	VARIABLE	Temp.	72 °F		
Min.	50 °F	Vel.	4 m.p.h.	Read.	29.88 in.		
Set	53 °F	Char.	LIGHT	Corr.	28.75 in.	0700	1300
R.H.	100 %	24 hr. Mov.	M mi.	Sea L.	30.11 in.	Clds.	0/10
Ppn.	— in.	Prev. Dir.	M	3 hr. Tend.	+0.9 mb	Wx	lots of Dew Cold
Ppn.	— in.	Snow Depth	— in.	Observer	EMB	Wx	"Festive"
				Observer	EMB	Vis.	25 mi.
						Vis.	25 mi.
						Vis.	25 mi.

\bar{T} 65

H_{DO} ϕ

C_{DO} ϕ

ΣH_{DO} ϕ

ΣC_{DO} 39

ΣPCN_2 2.13"

ΣPCN_3 ϕ "

T_{UNV} 56/45

T_{RAMOS} n/m

T_w 52

T_d 52

SUNDAY JULY 12, 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	77 °F	Dir. VARIABLE	Temp. 73 °F			
Min.	52 °F	Vel. 4-8 m.p.h.	Read. 28.94 in.			
Set	55 °F	Chg. VERY LIGHT	Corr. 28.81 in.	0700	1300	1900
R.H.	74 %	24 hr. Mov. M mi.	Sea L. 30.18 in.	Clds. 0/10 CLEAR	Clds.	Clds. 10/10 THIN CI
Ppn.	- in.	Prev. Dir. M	3 hr. Tend. +1 mb	Wx A CHILLY START	Wx	Wx VALLEY HAZE
Ppn.	- in.	Snow Depth - in.	Observer SRS	Vis. 25 mi.	Vis. mi.	Vis. 10 mi.

\bar{T} 65

HOD \emptyset

COD \emptyset

Σ HOD \emptyset

Σ COD 39

Σ PCN_L 2.13

Σ PCN_S \emptyset

TUNV M/M

TRAMOS M/M

TW51

T_D 47

MONDAY 13 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F	Dir. NE	Temp. 73 °F				
Min. 55 °F	Vel. 0-2 m.p.h.	Read. 29.99 in.				
Set 60 °F	Char. light vrb	Corr. 29.87 in.	*OVERNIGHT LOW 57			
			0700	1300	1900	
R.H. 78 %	24 hr. Mov. M mi.	Sea L. 30.21 in.	Clds. 5/10 THIN CI	Clds.	Clds. 9/10	
Ppn. -	Liq. in.	Prev. Dir. M	3 hr. Tend. +1.5 mb	Wx CONTINUES VALLEY HAZE	Wx A perfect 10	
Ppn. -	Sol. in.	Snow Depth in.	Observer TJO	Vis. -10 mi.	Vis. mi. 25 mi.	

\bar{T} 69

HDD \emptyset

CDD 4

Σ HDD \emptyset

Σ CDD 43

Σ PCNL 2.13

Σ PCNs \emptyset

TUNV 59/54

Tramos m/m

\bar{T}_w 56

\bar{T}_D 53

TUESDAY 14 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	88 °F	Dir.	NE	Temp.	74 °F			
Min.	60 °F	Vel.	0-1 m.p.h.	Read.	29.00 in.			
Set	70 °F	Char.	light ves	Corr.	28.88 in.	* OVERNIGHT LOW 69		
						0700	1300	1900
R.H.	87 %	24 hr. Mov.	M mi.	Sea L.	30.19 in.	Clds. 8/10	Clds.	Clds. 7/10
						C1 SC		C1 CC
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	+1 mb	Wx VALLEY FOG	Wx	Wx HAZY
Ppn.	- in.	Snow Depth	- in.	Observer	TJO	Vis. ~3 mi.	Vis. mi.	Vis. 10 mi.

T 74

HDD 0

CDD 9

Σ HDD \emptyset

Σ CDD 52

Σ PCNL 2.13

Σ PCNs \emptyset

Tuvv 08/64

Tramos m/m

Tw 67

To 66

WEDNESDAY 15 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	86 °F	Dir.	SE	Temp.	74 °F			
Min.	66 °F	Vel.	0-2 m.p.h.	Read.	29.00 in.			
Set	68 °F	Char.	light VCB	Corr.	28.88 in.	0700	1300	1900
R.H.	75 %	24 hr. Mov.	M mi.	Sea L.	30.20 in.	Clds. 10/10 ST THIN SPOTS	Clds.	Clds. 10/10 AS
Ppn.	- in.	Prev. Dir.	M	3 hr. Tend.	+1 mb	Wx VALLEY Fog	Wx	Wx HAZE
Ppn.	- in.	Snow Depth	- in.	Observer	TDO	Vis.	Vis.	Vis. 3.5 mi.
						~3 mi.	mi.	

T 76

HDD ϕ

CDD 11

Σ HDD ϕ

Σ CDD 63

Σ PCNL 2.13

Σ PCNLs ϕ

TUNV 66/59

TRANS m/m

Tw 63

Td 60

THURSDAY 16 JUNE 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max. 78 °F	Dir. -	Temp. 74 °F		-SHRA 1300-1400 LT OCCL - SHRA ~ 0300 - OBS -SHRA 2000 - 2100 LT				
Min. 68 °F	Vel. - m.p.h.	Read. 28.90 in.						
Set 69 °F	Char. calm	Corr. 28.77 in.		0700	1300	1900		
R.H. 100 %	24 hr. Mov. M mi.	Sea L. 30.88 in.		Clds. 10/10 ST	Clds.	Clds. 4/10 Ac/Ce		
Ppn. Liq. .08 in.	Prev. Dir. M	3 hr. Tend. STEADY mb		Wx FG	Wx	Wx Very HAZY/muggy		
Ppn. Sol. - in.	Snow Depth - in.	Observer SRS		Vis. ~ 1/2 mi.	Vis. mi.	Vis. 3 mi.		

T 73

HOD \emptyset

COD 8

Σ HOD \emptyset

Σ COD 71

Σ PCN 2.21

Σ PCN_s \emptyset

TUNV 68/67
TRAMOS M/M

TW-
T069

FRIDAY 17 JUNE 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	81 °F	Dir.	-	Temp.	74 °F	OCC - 14 OBS - 0900 LT		
Min.	69 °F	Vel.	- m.p.h.	Read.	28.80 in.			
Set	71 °F	Char.	calm	Corr.	28.67 in.	0700	1300	1900
R.H.	44 %	24 hr. Mov.	M mi.	Sea L.	29.96 in.	Clds. 6/10 AC	Clds. 9/10 TCU, CS	Clds. 10/10 ST CU, SC BKNOC
Ppn.	7 in.	Prev. Dir.	M	3 hr. Tend.	+5 mb	Wx Foggy START	Wx HAZE, DARK SW	Wx HAZY HUMID
Ppn.	- in.	Snow Depth	- in.	Observer	SRS	Vis. 2 mi.	Vis. 5 mi.	Vis. ~7 mi.

\bar{T} 75

H_{DD} 0

C_{DD} 10

ΣH_{DD} \emptyset

ΣC_{DD} 81

ΣPCN_L 2.21

ΣPCN_S \emptyset

T_{UNV} 71/67

T_{RAMOS} M/M

T_w 70

T_a 69

SATURDAY JULY 18, 1998

Temp.			Wind		0700 EST		Meteorological Observatory University Park, PA		
Max.	Dir.	Barom.	General Obs.						
85 °F	VRB	Temp. 73 °F	-TSLA 1430-1500 LT OCNL LTG ICGG GUST FROM 1435 PK GUST 40 MPH						
Min. 58 °F	Vel. 3 m.p.h.	Read. 28.80 in.	-TSLA 1800-1820 LT FOR LTG CLCLG FROM WIND SHFT GUST TO 30 MPH						
Set 61 °F	Char. LGT & VAR	Corr. 28.67 in.	0700	1300	1900				
R.H. 89 %	24 hr. Mov. M	Sea L. 29.76 in.	Clds. 1/10 Sc	Clds.	Clds. 1/10				
Ppn. Liq. 0.26 in.	Prev. Dir. M	3 hr. Tend. 11.3 mb	Wx Refreshing Dry, Comfy	Wx	Wx A perfect 10				
Ppn. Sol. — in.	Snow Depth — in.	Observer EMB	Vis. 20 mi.	Vis.	Vis. 25 mi.				

T_{UV} 61/56

T_w 59
T_d 56

T 67

H₀₀ φ

C₀₀ 2

Σ H₀₀ φ

Σ C₀₀ 88

Σ P_{ω_L} 2.47

Σ P_{ω_S} φ

SUNDAY July 19, 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 80 °F	Dir. -		Temp. 73 °F			
Min. 57 °F	Vel. - m.p.h.		Read. 28.90 in.			
Set 61 °F	Char. calm		Corr. 28.77 in.	0700	1300	1900
R.H. 81 %	24 hr. Mov. M mi.	Sea L. 30.12 in.	Clds. AC 7/10 CI	Clds.		Clds. AC 7/10 CI
Ppn. -	Liq. in.	Prev. Dir. M	3 hr. Tend. mb	Wx Muggy	Wx	Wx Humid HAZY
Ppn. -	Sol. in.	Snow Depth in.	Observer SRS	Vis. 20 mi.	Vis. mi.	Vis. ~7 mi.

\bar{T} 69

$H_{00} \emptyset$

$C_{00} 4$

$\Sigma H_{00} \emptyset$

$\Sigma C_{00} 92$

$\Sigma PCN_L 2.47$

$\Sigma PCN_S \emptyset$

TUNV 60/55
TRAMOS M/M

$T_w 57$
 $T_d 55$

MONDAY 20 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max. 86 °F	Dir. S	Temp. 74 °F	-TSRA 0200-0230 LT LGA CCGG NW-NE OVHD				
Min. 61 °F	Vel. 54 m.p.h.	Read. 28.89 in.	-SRA at obs 0800LT				
Set 71 °F	Char. GUSTY	Corr. 28.77 in.	*OVERNIGHT LOW 70				
			0700	1300	1900		
R.H. 81 %	24 hr. Mov. M mi.	Sea L. 30.07 in.	Clds. 10/10 NS	Clds.	Clds. 2/10 Ac/TCU		
Ppn. .01 in.	Liq. in.	Prev. Dir. M	3 hr. Tend. /+1 mb	Wx -SRA HAZY	Wx	Wx TCU DSNT S-W	
Ppn. - in.	Sol. in.	Snow Depth in.	Observer TJO	Vis. -5 mi.	Vis. mi.	Vis. 7 mi.	

T 74

HDD 0

CDD 9

Σ HDD \emptyset

Σ CDD 101

Σ PCN_L 2.48

Σ PCN_S \emptyset

TUV 72/64

Tramas m/m

TW 67

TD 65

TUESDAY 21 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F	Dir. SW	Temp. 74 °F	-SHEA at obs LT			
Min. 69 °F	Vel. 3 m.p.h.	Read. 28.94 in.				
Set 72 °F	Char. STEADY	Corr. 23.82 in.				
			0700	1300	1900	
R.H. 83 %	24 hr. Mov. M mi.	Sea L. 30.12 in.	Clds. 7/10 ST	Clds.	Clds. 0/10	
Ppn. T in.	Liq. in.	Prev. Dir. M	3 hr. Tend. + 1 mb	Wx HAZY	Wx	Wx oddly pleasant
Ppn. - in.	Sol. in.	Snow Depth in.	Observer TJO	Vis. ~5 mi.	Vis. mi.	Vis. 25 mi.

\bar{T} 76

HDD 0

CDD 11

Σ HDD ϕ

Σ CDD 112

Σ PCW_L 2.48

Σ PCNS ϕ

\bar{T} reinos m/m

\bar{T} UV 72/67

\bar{T} w 69

\bar{T} D 68

WEDNESDAY 22 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	84 °F	Dir.	W	Temp.	74 °F	T BALAO 11:55 LT + TARA FGT LCG 12:08-12:16 LT - TARA 12:16-12:30 LT - SHEA 01:15-01:30 LT TARA 03:55-04:15 LT gauge emptied 0.31 1640 LT		
Min.	69 °F	Vel.	10 m.p.h.	Read.	28.95 in.			
Set	71 °F	Char.	STEADY	Corr.	28.83 in.	0700	1300	1900
R.H.	73 %	24 hr. Mov.	M mi.	Sea L.	30.13 in.	Clds. 7/10	Clds.	Clds. 9/10 Sc/Cl/Asp Cu/Str Wx TALL BENT NW + E
Ppn. Liq.	0.35 in.	Prev. Dir.	M	3 hr. Tend.	+3 mb	Wx	Wx	HAZY
Ppn. Sol.	- in.	Snow Depth	- in.	Observer	TJO	Vis.	Vis.	Vis. Present - 5 mi. 20 mi.

\bar{T} 77

HDD \emptyset

CDD 12

Σ HDD \emptyset

Σ CDD 124

Σ PCWL 2.83

Σ PCNS \emptyset

T Ramos m/m

TUNV 72/64

Tw 65

To 62

THURSDAY 23 JUL 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	84 °F	Dir. SW	Temp. 74 °F	-SHRA 06:30 ~ 7:00		
Min.	71 °F	Vel. 4-8 m.p.h.	Read. 28.74 in.			
Set	71 °F	Char. light	Corr. 28.61 in.			
R.H.	87 %	24 hr. Mov. M mi.	Sea L. 29.90 in.	0700 Clds. 10/10	1300 Clds.	1900 Clds. 8/10 CB/AE
Ppn.	Liq. 0.01 in.	Prev. Dir. M	3 hr. Tend. STEADY mb	Wx MUGGY + DREARY	Wx	Wx -SHRA RAINBOW SE-NE
Ppn.	Sol. - in.	Snow Depth - in.	Observer SRS	Vis. ~3 mi.	Vis. mi.	Vis. 10 mi.

T 78

H₀₀ ∅

C₀₀ 13

Σ H₀₀ ∅

Σ C₀₀ 137

Σ PCN_L

Σ PCN_S ∅

TUVV 71/66

TRANS M/M

Tw 68

Td 67

FRIDAY 24 JULY 1998 0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind		Barom.	General Obs.		
Max.	81 °F	Dir.	W		Temp.	- SHRA ~ 1000 LT - SHRA 1130-1315 LT + SHRA 1935-1945 LT - SHRA 1945-2001 LT FRIPA ~ 2000		
Min.	61 °F	Vel.	4-8 m.p.h.		Read.	28.84 in.		
Set	63 °F	Char.	LIGHT		Corr.	28.71 in.		
R.H.	81 %	24 hr. Mov.	M mi.		Sea L.	0700 Clds. 2i 6/10 SC		
Ppn.	0.19 in.	Prev. Dir.	M		3 hr. Tend.	Wx Pleasant		
Ppn.	- in.	Snow Depth	-		Observer	Vis. 15 mi.		
Sol.	- in.					1900 Clds. 4/10 Wx NOT CUSSE SUNSET Vis. 25 mi.		

1 41
L00 6
H00 0
 $\Sigma C_{00} / 43$
 $\Sigma H_{00} 0$
 $\Sigma PCN_L 3.03$
 $\Sigma PCN_S 0$

TUNV 64/59
TRAMOS M/M

T_w 59
T_d 57

SATURDAY JULY 25, 1998

0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.		Wind		Barom.		General Obs.		
Max.	75 °F	Dir.	—	Temp.	72 °F	-RA 1550-1600LT PCPN VRY LGT		
Min.	54 °F	Vel.	0 m.p.h.	Read.	28.99 in.			
Set	57 °F	Char.	Calm	Corr.	28.86 in.	0700	1300	1900
R.H.	88 %	24 hr. Mov.	M mi.	Sea L.	30.21 in.	Clds. 2/10	Clds.	Clds. 7/10 CU
Ppn.	T in.	Prev. Dir.	M	3 hr. Tend.	+1 mb	Wx Valley Fg E Crisp, cool, can see breath!	Wx	Wx Colorful SUNSET
Ppn.	— in.	Snow Depth	— in.	Observer	EMB	Vis.	Vis.	20 mi.
						20 (3E) mi.		

1 65

T_{uvv}

H₀₀ ϕ

T_w 55

C₀₀ ϕ

T_d 53

ΣH_{00} ϕ

ΣC_{00} 143

ΣP_{CN_L} 3.03"

ΣP_{CN_S} ϕ

SUNDAY 26 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.		
Max.		Dir.	Temp.	SHRA ~ 03:30 - 05:30 LT			
80	°F	E	73				
Min.	*	Vel.	Read.				
57	°F	0-4 m.p.h.	29.01 in.				
Set		Char.	Corr.	*OVERNIGHT MIN 59			
61	°F	VERY LIGHT	28.88 in.	0700	1300	1900	
R.H.		24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
84	%	M mi.	30.22 in.	7/10			7/10
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.06	in.	M	STEADY mb	FAIR			Wx CLOUD DECK NORTH
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
-	in.	- in.	SRS	15 mi.			10 mi.

T 69

HDD 0

CDD 4

Σ HDD 0

Σ CDD 147

Σ PCN_L 3.09"

Σ PCN_S 0

TUNV 6/57

TRAMOS M/M

T_w 58

T_D 56

MONDAY 27 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	81 °F	Dir.	-	Temp.	73 °F			
Min.	59 °F	Vel.	- m.p.h.	Read.	29.01 in.			
Set	63 °F	Char.	calm	Corr.	28.89 in.	0700	1300	1900
R.H.	78 %	24 hr. Mov.	M mi.	Sea L.	30.22 in.	Clds. 9/10	Clds.	Clds. 3/10
Ppn.	0 in.	Prev. Dir.	M	3 hr. Tend.	STEADY mb	Wx VALLEY FOG	Wx	Wx LINE TCU NE-SE /Hazy/HICE Vis. SUNSET
Ppn.	- in.	Snow Depth	- in.	Observer	TJO	Vis.	~ 3 mi.	Vis. 10 mi.

T 70

HDD 0

CDD 5

Σ HDD 0

Σ CDD 152

Σ PCNL 3.09

Σ PCNs 0

TUVV 61/57

Tramos m/m

Tw 59

Td 56

TUESDAY 28 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.		General Obs.			
Max.	81 °F	Dir.	180 V 270	Temp.	73 °F				
Min.	63 °F	Vel.	5 m.p.h.	Read.	28.90 in.				
Set	65 °F	Char.	variable	Corr.	28.78 in.	* OVERNIGHT LOW 64			
R.H.	81 %	24 hr. Mov.	M mi.	Sea L.	30.10 in.	Clds.	0/10	Clds.	
Ppn.	0 in.	Prev. Dir.	M	3 hr. Tend.	- +.5 mb	Wx	VALLEY FOG	Wx	
Ppn.	- in.	Snow Depth	- in.	Observer	TJO	Vis.	~3 mi.	Vis.	
								Vis.	8 mi.

5/10
Hazy

\bar{T} 72

HDD ϕ

CDD 7

Σ HDD ϕ

Σ CDD 159

Σ PCN 3.09

Σ PCNs ϕ

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.

\bar{T}_{UV} 66/57

\bar{T}_{amos} m/m

\bar{T}_{w61}

\bar{T}_{D59}

WEDNESDAY 29 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. S	Temp. 74 °F			
Min.	65 °F	Vel. 12 m.p.h.	Read. 28.81 in.			
Set	72 °F	Char. STEADY	Corr. 28.69 in.	* OVERNIGHT LOW 67		
				0700	1300	1900
R.H.	74 %	24 hr. Mov. m mi.	Sea L. 29.99 in.	Clds. 10/10 CU SC BL NOUC	Clds.	Clds. 5/10 CI/CA
Ppn.	0 in.	Prev. Dir. M	3 hr. Tend. STEADY mb	Wx VIRGA NE	Wx	Wx Sky Layered by Contrails
Ppn.	- in.	Snow Depth - in.	Observer TJO	Vis. 5 mi.	Vis. mi.	Vis. 10 mi.

\bar{T} 74

HDD 0

CDD 9

Σ HDD ϕ

Σ CDD 168

Σ PCNi 309

Σ PCNs ϕ

TWV 70/63

Tramos m/m

\bar{T}_w 66

\bar{T}_D 63

THURSDAY 30 JULY 1998
0700 EST

Meteorological Observatory
University Park, PA

Temp.			Wind	Barom.	General Obs.			
Max.	82 °F	Dir.	-	Temp.	73 °F	-SHRA 1525-1530 +SHRA 1530-1532 -SHRA 1532-1535		
Min.	57 °F	Vel.	- m.p.h.	Read.	28.90 in.			
Set	60 °F	Char.	calm	Corr.	28.77 in.	0700	1300	1900
R.H.	77 %	24 hr. Mov.	M mi.	Sea L.	30.11 in.	Clds. Ci	Clds.	Clds. Ns
Ppn.	0.03 in.	Prev. Dir.	M	3 hr. Tend.	+1 mb	Wx	Wx	Wx - RA/HZ
Ppn.	- in.	Snow Depth	- in.	Observer	SRS	Wx	Vis.	Vis.
						Patchy valley fog		Looks ominous
						25 mi.	mi.	8 mi.

T 70

H_{DD} 0

C_{DD} 5

ΣH_{DD} 0

ΣL_{DD} 173

ΣPCN_L 3.12

ΣPCN_S 0

T UNV 60/53

T RAMOS M/M

T_w 56

T_D 53

FRIDAY 31 JULY 1998

0700 EST

Meteorological Observatory
University Park, PA

Temp.		Wind		Barom.	General Obs.		
Max.	82 °F	Dir.	NE	Temp.	OCCL - RA, DE ~ 1800 ~ 0500 LT		
Min.	60 °F	Vel.	5-10 m.p.h.	Read.	28.92 in.		
Set	64 °F	Char.	STEADY	Corr.	28.79 in.		
R.H.	81 %	24 hr. Mov.	M mi.	Sea L.	0700	1300	1900
				30.12 in.	Clds.	Clds.	Clds.
					4/10 sc/ci		3/10 CU
Ppn.	0.06 in.	Prev. Dir.	M	3 hr. Tend.	Wx	Wx	Wx
				+2 mb	REFRESHING BREEZE		COMFORTABLE
Ppn.	- in.	Snow Depth	- in.	Observer	Vis.	Vis.	Vis.
				SRS	10 mi.	mi.	25 mi.

\bar{T} 71
HDD 0
CDD 6
 Σ HDD 0
 Σ CDD 179
 Σ PCN_L 3.18
 Σ PCN_S 0

TUNV 64/59
TRAMOS M/M

TW 60
T_D 58

JULY STAT'S

$$\begin{aligned} \bar{T}_{MAX} &= 80.7 & \bar{T}_{JULY} &= 70.50 \\ \bar{T}_{MIN} &= 60.3 \end{aligned}$$