

Saturday 01 November 1997

0700 EST

University Park, Pa. General Obs.

| | | | | | | | | | |
|-------|----------|-------------|----------|-------------|-----------|----------------------------------------|----------------|-------|-----------------|
| Temp. | | Wind | | Barom. | | * Overnight low of 50 -RA 630LT-obs | | | |
| Max. | 64 °F | Dir. | W | Temp. | 70 °F | | | | |
| Min. | 41 °F | Vel. | 6 m.p.h. | Read. | 28.89 in. | | | | |
| Set | 51 °F | Char. | steady | Corr. | 28.77 in. | 0700 | 1300 | 1900 | |
| R.H. | 91 % | 24 hr. Mov. | 62 mi. | Sea L. | 30.12 in. | Clds. | st | Clds. | st |
| Ppn. | 0.01 in. | Prev. Dir. | SSW | 3 hr. Tend. | 1-2 mb | Wx | -RA and gloomy | Wx | -RA and drizzle |
| Ppn. | / in. | Snow Depth | / in. | Observer | AJD | Vis. | 3 mi. | Vis. | 5 mi. |

H_{DD} 11
ΣH_{DD} 11
ΣL_{DD} 0
ΣPCN_L 0.01
ΣPCN_S 0

T_{RAMOS} 50/37
T_{UNV} 51/45

T_o 53
T_d 51

Sunday November 2 1997 0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-------|-----------------|-------------------|---------------------|---------------------------------------------------------------------------------------|-------|-------------------------------|
| Max. | 58 °F | Dir. WSW | Temp. 70 °F | RET. PRECIP FOR DATE OW = 1.24" (1907) RA/RA OBS - 1900LT 10630-0700 | | |
| Min. | 51 °F | Vel. 4 m.p.h. | Read. 28.58 in. | | | |
| Set | 52 °F | Char. light. | Corr. 28.46 in. | 0700 | 1300 | 1900 |
| R.H. | 80 % | 24 hr. Mov. M mi. | Sea L. 29.88 in. | Clds. 10% Ac Ns Sc | Clds. | Clds. 0/10 |
| Ppn. | Liq. 1.63** in. | Prev. Dir. SE | 3 hr. Tend. -0.5 mb | Wx Overcast - RA | Wx | Wx Starry + Cold Nice Moonset |
| Ppn. | Sol. / in. | Snow Depth / in. | Observer MSK | Vis. 10 mi. | Vis. | Vis. / mi. |

135
HDD 10
COD 0
 Σ HDD 21
 Σ COD 0
 Σ PENL 1.64
 Σ PCNS 0

Tramos 50/36
TUNV 51/46

TW 49
Td 46

Monday November 3 1997

0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-------|---------|-----------------------|------------------------|---------------------------------------------------------------------------|-----------------------------|-----------------------|
| Max. | 55 °F | Dir. W | Temp. 70 °F | -RA/RA OBS - 1100LT COLD FRONT ~ 1100LT (PUMP, WIND SHFT, TMP DRDP) | | |
| Min. | 37 °F | Vel. 5 m.p.h. | Read. 28.60 in. | | | |
| Set | 37 °F | Char. Light | Corr. 28.48 in. | | | |
| R.H. | 82 % | 24 hr. Mov. 50 mi. | Sea L. 29.85 in. | 0700 Clds. AC 5/10 SC | 1300 Clds. 4 AC 70 SC | 1900 Clds. 4/10 SC |
| Ppn. | .77 in. | Prev. Dir. SW | 3 hr. Tend. 14.5 mb | Wx pleasant | Wx refreshing | Wx cool |
| Ppn. | — in. | Snow Depth — in. | Observer EMB | Vis. 20 mi. | Vis. 25 mi. | Vis. ~25 mi. |

\bar{T} 46

T_{UNV} 37/31

$T_w = 38$

H_{DO} 19

T_{EAMOS} 37/23

$T_d = 37$

P_{enL} .77

ΣH_{DO} 40

ΣP_{enL} 2.41

Tuesday 4, November 1997 0700 EST Meteorological Observatory University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-----------------|-----------------------------|-------------------------|------------------------------------------------------------|-------------------------|---------------------|--|
| Max. 55 °F | Dir. variable | Temp. 70 °F | *overnight low 38 | | | |
| Min. * 37 °F | Vel. 1 m.p.h. | Read. 28.77 in. | TSRAGS 1500-1600 Gust front passage -RA 2030-0615 LT | | | |
| Set 38 °F | Char. light | Corr. 28.65 in. | 0700 | 1300 | 1900 | |
| R.H. 93 % | 24 hr. Mov. 32 mi. | Sea L. 30.03 in. | Clds. B1NOVC Ac Sc | Clds. 10/10 Sc As | Clds. 9/10 Sc | |
| Ppn. .33 in. | Liq. Prev. Dir. S | 3 hr. Tend. 1+0.9 mb | Wx fog | Wx damp | Wx A few breaks | |
| Ppn. T in. | Sol. Snow Depth 0 in. | Observer JMJ | Vis. 7 mi. | Vis. 20 mi. | Vis. 10 mi. | |

T 46

HDD 19

PCNL .33

Σ HDD ~~10~~ 59

Σ PCNL 2.74

Σ PCNs T

Tuvv 38/34

Tramos 37/24

Tw 39

Td 38

Wednesday November 5, 1997 0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-------|------------|-------------------|-----------------------------|--------------------|--------------------|-------------|
| Max. | 42 °F | Dir. — | Temp. 69 °F | 02/RA 1045-1100 LT | | |
| Min. | 29 °F | Vel. 0 m.p.h. | Read. 29.23 in. | | | |
| Set | 29 °F | Char. Calm | Corr. 29.11 in. | 0700 | 1300 | 1900 |
| R.H. | 85 % | 24 hr. Mov. M mi. | Sea L. 30.55 in. | Clds. 2/10 Ci | Clds. 6/10 AC | Clds. 0/10 |
| Ppn. | Liq. T in. | Prev. Dir. WSW | 3 hr. Tend. PRESRR 142.1 mb | Wx OBSERVER FROZEN | Wx seasonably Cool | Wx moonlit |
| Ppn. | Sol. — in. | Snow Depth — in. | Observer EMB | Vis. 20 mi. | Vis. 25 mi. | Vis. 10 mi. |

\bar{T} 36

H_{00} 29

Pen_L T

ΣH_{00} 88

ΣPen_L 2.74

ΣPen_S T

T_{unn} 29/25

$T_{d_{unn}}$ 25

$T_{R_{Amos}}$ 30/16

Thursday 6 November 1997 0700 EST Meteorological Observatory University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-------|-------|-------------------|-----------------------|----------------------------|---------------------------|---------------------|
| Max. | 51 °F | Dir. variable | Temp. 68 °F | | | |
| Min. | 28 °F | Vel. 1 m.p.h. | Read. 29.20 in. | | | |
| Set | 29 °F | Char. light | Corr. 29.08 in. | 0700 | 1300 | 1900 |
| R.H. | 85 % | 24 hr. Mov. 4 mi. | Sea L. 30.52 in. | Clds. Ci 3/10 Contrails | Clds. Ci 7/10 Sc Ae | Clds. Ci 3/10 Ae |
| Ppn. | 0 in. | Prev. Dir. SW | 3 hr. Tend. ↑ +0.2 mb | Wx valley fog | Wx Beautiful sunshine | Wx nice |
| Ppn. | 0 in. | Snow Depth 0 in. | Observer JMJ | Vis. 4 E 10 W mi. | Vis. 25 mi. | Vis. 25 mi. |

\bar{T} 40

HDD 25

PCNL 0

Σ HDD 113

Σ PCNL 2.74

Σ PCNs T

T_{unv} 27/23

T_{ramos} 29/16

$T_{d_{unv}}$ 23

Friday November 7 1997

0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | General Obs. | | |
|-----------------------|-----------------------|--------------------------------|-----------------------------------|------------------------------|------------------------------|--|--|
| Max. 54 °F | Dir. E | Temp. 68 °F | *OUNT LOW 39 -RAB ~ 0330 LT | | | | |
| Min. 29 °F | Vel. 4 m.p.h. | Read. 28.64 _n . | | | | | |
| Set 39 °F | Char. light | Corr. 28.52 _m . | | | | | |
| R.H. 75 % | 24 hr. Mov. 32 mi. | Sea L. 29.94 _n . | 0700 | 1300 | 1900 | | |
| Ppn. Liq. 0.17 in. | Prev. Dir. N | 3 hr. Tend. - 7.4 mb | Clds. % 10 AcNs Cu Sc | Clds. % 19/10 Ns Sc | Clds. % 10/10 Ns Sc | | |
| Ppn. Sol. / in. | Snow Depth / in. | Observer MSK | Wx overcast with -SHEA | Wx raining miserable | Wx nasty | | |
| | | | Vis. ~5 mi. | Vis. ~4 mi. | Vis. ~5 mi. | | |

\bar{T} 42

HDD 23

CDD 0

Σ HDD 138

Σ CDD 0

Σ PCN_L 2.91

Σ PCN_S T

Tramos 39/26

T UNV 40/34

T_w 38

T_d 34

\bar{T} 40

TRAMOS 38/26

T_w 44

H_{DD} 25

T_{UNV} 41/36

T_d 43

ΣH_{DD} 162

ΣC_{DD} 0

ΣPCN_L 4.94

ΣPCN_S T

Sunday November 9 1997

0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | General Obs. | | |
|----------|--------|-------------|-------------|-----------|-----------------------|-------|---------|
| Max. | 43 °F | Dir. | SSE | Temp. | *DOWNFLOW 41 | | |
| | | | | 68 °F | - RA @ OBS time - obs | | |
| Min. | 40* °F | Vel. | 5 m.p.h. | Read. | | | |
| | | | | 28.64 in. | | | |
| Set | 41 °F | Char. | light. | Corr. | | | |
| | | | | 28.52 in. | | | |
| R.H. | 86 % | 24 hr. Mov. | 22 mi. | Sea L. | 0700 | 1300 | 1900 |
| | | | | 29.92 in. | Clds. | Clds. | Clds. |
| | | | | | 10/10 Sc | | 0/10 |
| Ppn. | Liq. | Prev. Dir. | 3 hr. Tend. | Wx | Wx | Wx | Wx |
| 0.28 in. | | NNE | steady mb | overcast | | | starry |
| Ppn. | Sol. | Snow Depth | Observer | Vis. | Vis. | Vis. | Vis. |
| - | in. | - | in. | MSK | ~10 mi. | mi. | ~25 mi. |

\bar{T} 42

Tramos 41/28

T_w 40

HDD 23

TUNV 42/37

T_d 38

CDD 0

Σ HDD 184

Σ CDD 0

Σ PCN_L 5.22

Σ PCN_S T

MONDAY NOVEMBER 10 1997

0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-----------------------|-----------------------|------------------------|---------------------------|---------------------------|---------------------------|--|
| Max. 53 °F | Dir. NW | Temp. 69 °F | - RA obs ~ 1200 LT | | | |
| Min. 40 °F | Vel. 10 m.p.h. | Read. 28.66 in. | | | | |
| Set 40 °F | Char. Breezy | Corr. 28.54 in. | | | | |
| R.H. 62 % | 24 hr. Mov. 71 mi. | Sea L. 29.92 in. | 0700 Clds. 10/10 SE | 1300 Clds. 10/10 SE | 1900 Clds. 10/10 SE | |
| Ppn. Liq. 0.22 in. | Prev. Dir. N | 3 hr. Tend. +1.0 mb | Wx ho-hum clouds again | Wx dreary | Wx fog | |
| Ppn. Sol. — in. | Snow Depth — in. | Observer EMB | Vis. 20 mi. | Vis. ~20 mi. | Vis. ~5 mi. | |

T 47

H₀₀ 18

ΣH₀₀ 202

~~W~~

ΣP_{cnL} 5.44

ΣP_{cnS} T

T_{UNV} 41/29

T_{RAMOS} 38/18

T_ω = 38

T_d = 32

Tuesday 11 November 1997 0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | General Obs. | | |
|-------|-------|-------------|------------|-------------|------------------|---------------|----------------------|
| Max. | 44 °F | Dir. | WNW | Temp. | 69 °F | | |
| Min. | 37 °F | Vel. | 3-4 m.p.h. | Read. | 28.80 in. | | |
| Set | 37 °F | Char. | steady | Corr. | 28.68 in. | | |
| R.H. | 82 % | 24 hr. Mov. | 48 mi. | Sea L. | 0700 | 1300 | 1900 |
| Ppn. | 0 in. | Prev. Dir. | W | 3 hr. Tend. | Clds. 7/10 St Sc | Clds. 6/10 Sc | Clds. 7/10 Sc |
| Ppn. | 0 in. | Snow Depth | 0 in. | Observer | Wx average | Wx SUN!!!! | Wx I SEE THE moon... |
| | | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 10 mi. |

\bar{T} 41

HDD 24

Σ HDD 228

Σ PCNL 5.44

Σ PCNS T

T_{unv} 37/27

T_{ramos} 35/16

T_w 35

T_d 32

WEDNESDAY 12 NOVEMBER 1997

0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | General Obs. | | |
|----------------------|-----------------------|-------------------------|-------------------------------------------------------------------|------------------------|---------------------|------------------|-------------------------|
| Max. 46 °F | Dir. SW | Temp. 69 °F | -SHSN 2245-2305 LT -PESN 2305-2320 LT OCNL -SHSN ~0000-0805 | | | | |
| Min. 33 °F | Vel. 10 m.p.h. | Read. 28.77 in. | | | | | |
| Set 33 °F | Char. Breezy | Corr. 08.65 in. | | | | | |
| R.H. 72 % | 24 hr. Mpv. 37 mi. | Sea L. 30.06 in. | Clds. NS 10 % | 0700 | 1300 | 1900 | |
| Ppn. Liq. .01 in. | Prev. Dir. W | 3 hr. Tend. ↓ 1.9 mb | Wx - SN !! QUITE CHILLY | Wx cold & breezy | Clds. Cu 6/10 SC | Clds. 1/10 Cu | Wx winter's chill |
| Ppn. Sol. T in. | Snow Depth 0 in. | Observer EMB | Vis. 3V6 mi. | Vis. ~25 mi. | Vis. 25 mi. | | |

\bar{T} 40

T_{unl} 33/25

T_d 25
unl

H_{00} 25

T_{RAMOS} 31/13

ΣH_{00} 252

ΣPCN_L 5.45

ΣPCN_S T

Thursday 13, November 1997
0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | | General Obs. | | |
|-------|-------|-------------|----------|-------------|-----------|------------------------------------------|---------------------------------|----------------------|
| Max. | 37 °F | Dir. | - | Temp. | 70 °F | -SHSN 1020~1100 LT -SHSN 1415~1500 LT | | |
| Min. | 22 °F | Vel. | 0 m.p.h. | Read. | 28.90 in. | | | |
| Set | 24 °F | Char. | calm | Corr. | 28.78 in. | 0700 | 1300 | 1900 |
| R.H. | 66 % | 24 hr. Mov. | 48 mi. | Sea L. | 30.2 in. | Clds. AC 6/10 CS | Clds. CS 10/10 | Clds. CS 10/10 NS |
| Ppn. | T in. | Prev. Dir. | W | 3 hr. Tend. | +0.2 mb | Wx crisp | Wx The calm before the storm | Wx wet & cold. |
| Ppn. | T in. | Snow Depth | 0 in. | Observer | JMJ | Vis. ~20 mi. | Vis. 20 mi. | Vis. ~10 mi. |

\bar{T} 30
HDD 35

T_{unv} 27/17 T_{dunv} 17
 T_{ramos} 22/6

ΣHDD 287

ΣPCN_L 5.45

ΣPCN_S T

PCN_L T

PCN_S T

Friday 14 November 1997
0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-----------------------|-----------------------|----------------------|--------|------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------|
| Max. 35 °F | Dir. W | Temp. 70 °F | | *OUNT LOW 29 - SN 1640 ~ 1730 - PESW 1730 - 1820 - PE FERRA 1820 - 1850 - SHRA 1850 - 2050 - FERRA 2050 - 055 | | |
| Min. 24 °F | Vel. 2 m.p.h. | Read. 28.68 in. | | | | ** RH based on UNU obs |
| Set 32 °F | Char. light | Corr. 28.54 in. | | 0700 | 1300 | 1900 |
| R.H. 81 % | 24 hr. Mov. 25 mi. | Sea L. 29.96 in. | | Clds. NS 10/10 Cs | Clds. NS 10/10 SC | Clds. NS 10/10 |
| Ppn. Liq. 0.48 in. | Prev. Dir. ENE | 3 hr. Tend. -1 mb | | Wx chilly FERRA | Wx DRIZZLE | Wx -SN |
| Ppn. Sol. 0.5 in. | Snow Depth T in. | Observer MSK | | Vis. ~ 20 mi. | Vis. 3 mi. | Vis. 3 mi. |

1 30
HDD 35
CDD 0
 Σ HDD 327
 Σ CDD 0
 Σ PCNL 5.93"
 Σ PCNS 0.5"

Tramos 28/15
Tunv. 31/27

Tw
Td 27

Saturday 15 November 1977
0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-----------------------|----------------------|-----------------|-----------------------|--------------------------------------------------|----------------|--------------------|
| Max. 33 °F | Dir. - | | Temp. 65 °F | FZRA, ^{occ PE} Obs - 1410 LT | | |
| Min. 29 °F | Vel. 0 m.p.h. | | Read. 28.96 in. | SNPE 1417 LT | | |
| Set 29 °F | Char. calm | | Corr. 28.85 in. | 0700 | 1300 | 1900 |
| R.H. M % | 24 hr. Mov. M mi. | | Sea L. 30.28 in. | Clds. NS 10/10 | Clds. | Clds. NS 10/10 |
| Ppn. Liq. 0.36 in. | Prev. Dir. M | | 3 hr. Tend. /+3 mb | Wx cold | Wx | Wx let it snow! |
| Ppn. Sol. 1.4 in. | Snow Depth 2 in. | Observer AJD | Vis. 25 mi. | Vis. mi. | Vis. 27 mi. | |

\bar{T} 31

H_{DD} 34

ΣH_{DD} 356

ΣC_{DD} 0

ΣPCN_L 6,29

ΣPCN_S 1,9"

T_{UNV} M/M

T_{RAMOS} 27/11

T_d M

MONDAY 17 November 1997 0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | | Wind | | Barom. | General Obs. | | |
|-------|------|--------------|-------------|-----|------------------------|--------------------------------------------|-----------|------|
| Max. | | Dir. | Temp. | | | OCNL - SHSN ~1330 ~ 0100 LT - SHSN ~600 | | |
| 34 | °F | W | 68 | °F | | | | |
| Min. | | Vel. | Read. | | | | | |
| 24 | °F | 16-24 m.p.h. | 29.01 | in. | | | | |
| Set | | Char. | Corr. | | 0700 | 1300 | 1900 | |
| 25 | °F | Blostery | 28.89 | in. | | | | |
| R.H. | | 24 hr. Mov. | Sea L. | | Clds. | Clds. | Clds. | |
| 85 | % | M mi. | 30.32 | in. | 9/10 | sc | 4 1/10 cu | 0110 |
| Ppn. | Liq. | Prev. Dir. | 3 hr. Tend. | | Wx A numbing w/ind. | Wx cold & clear | Wx | |
| T | in. | M | +2 mb | | weeoo | | brisk | |
| Ppn. | Sol. | Snow Depth | Observer | | Vis. | Vis. | Vis. | |
| T | in. | 1 in. | EMB | | 20 mi. | 25 mi. | 25 mi. | |

\bar{T} 29

H_{DD} 36

ΣH_{DD} 42.6

ΣPCN_L 6.32"

ΣPCN_S 2.2"

T_{UNV} 29/25

T_{RAMOS} 23/2

\bar{T}_d 25

Tuesday 18, November 1997 0700 EST Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-------|----------|-----------------------|------------------------------------|-----------------------------|-------------------------|--------------------------|
| Max. | 34 °F | Dir. NE | Temp. 69 °F | -SHSN 0800-0945 LT | | |
| Min. | 18 °F | Vel. 2 m.p.h. | Read. 29.08 in. | | | |
| Set | 18 °F | Char. light | Corr. 28.96 in. | 0700 | 1300 | 1900 |
| R.H. | 65 % | 24 hr. Mov. 45 mi. | Sea L. 30.43 in. | Clds. 2/10 ^{sc} | Clds. 0/10 | Clds. 0/10 |
| Ppn. | T in. | Prev. Dir. SW | 3 hr. Tend. - 0.0 _{mb} | Wx cold | Wx Clear & chilly | Wx Starlit + crisp |
| Ppn. | T in. | Snow Depth 1 in. | Observer JMJ | Vis. 25 mi. | Vis. 25 mi. | Vis. 10 mi. |

\bar{T} 26

HDD 39

Σ HDD 465

PCN_L T

PCN_S T

Σ PCN_L 6.32"

Σ PCN_S 2.2"

Tunv 24/14

Tramos 19/4

T_{dunv} 14

WEDNESDAY NOVEMBER 19, 1987 0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | | General Obs. | | |
|-------|-------|-------------|----------|-------------|-----------|-----------------------|---------------------------|------------------|
| Max. | 38 °F | Dir. | — | Temp. | 70 °F | OUNT LOW 17 | | |
| Min. | 18 °F | Vel. | 0 m.p.h. | Read. | 28.91 in. | | | |
| Set | 26 °F | Char. | Calm | Corr. | 28.79 in. | 0700 | 1300 | 1900 |
| R.H. | 69 % | 24 hr. Mov. | 6 mi. | Sea L. | 30.22 in. | Clds. Ac 4/10 ci | Clds. Ac 4/10 AS CS | Clds. se 5/10 |
| Ppn. | 0 in. | Prev. Dir. | SW | 3 hr. Tend. | -0.5 mb | Wx some Valley fog | Wx Pleasant | Wx average |
| Ppn. | 0 in. | Snow Depth | T in. | Observer | EMB | Vis. | 25 mi. | 25 mi. |

\bar{T} 28

H_{DD} 37

ΣH_{DD} 502

ΣPCN_L 6.32"

ΣPCN_S 2.2"

Thursday 20 November 1997 0700 EST Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-------|-------|-----------------------|------------------------|---------------------|---------------------|---------------------|
| Max. | 46 °F | Dir. WNW | Temp. 70 °F | * overnight low 37 | | |
| Min. | 26 °F | Vel. 3-4 m.p.h. | Read. 28.84 in. | | | |
| Set | 37 °F | Char. steady | Corr. 28.72 in. | 0700 | 1300 | 1900 |
| R.H. | 50 % | 24 hr. Mov. 70 mi. | Sea L. 30.11 in. | Clds. cu 1/10 st | Clds. ci 3/10 cu | Clds. ci 2/10 cu |
| Ppn. | 0 in. | Prev. Dir. SW | 3 hr. Tend. +1.4 mb | Wx fair | Wx pleasant | Wx not bad |
| Ppn. | 0 in. | Snow Depth T in. | Observer JMJ | Vis. 20 mi. | Vis. 25 mi. | Vis. 25 mi. |

\bar{T} 36

HDD 29

Σ HDD 531

Σ PCNL 6.32"

Σ PCNS 2.2"

Tunv 36/27

Tramos 35/16

Tw 32

Td 21

Friday November 21 1997
0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | | Wind | | Barom. | General Obs. | | |
|-------|---------------|-------------|----------|-------------|-----------|------------------------|----------------------|----------------------|
| Max. | 46 °F | Dir. | WSW | Temp. | 70 °F | * BASED ON UNV OBS. | | |
| Min. | 29 °F | Vel. | 3 m.p.h. | Read. | 28.80 in. | | | |
| Set | 31 °F | Char. | light. | Corr. | 28.68 in. | | | |
| R.H. | 72 % | 24 hr. Mov. | 44 mi. | Sea L. | 30.07 in. | 0700 | 1300 | 1900 |
| | | | | | | Clds. Sc 8/10 Cs | Clds. Sc 10/10 ST | Clds. ST 10/10 ST |
| Ppn. | Liq. 0 in. | Prev. Dir. | W | 3 hr. Tend. | -0.1 mb | Wx | dull | dreary |
| | | | | | | | | dark |
| Ppn. | Sol. 0 in. | Snow Depth | T in. | Observer | MSK | Vis. | ~20 mi. | Vis. ~25 mi. |
| | | | | | | | | Vis. ~20 mi. |

\bar{T} 38

HDD 27

CDD 0

Σ HDD 558

Σ CDD 0

Σ PCNL 4.32"

Σ PCNS 2.2"

TUNV 29/23

*T_D 23

Tramos 29/13

Saturday 22 November 1997

0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | | General Obs. | | |
|-------|----------|-------------|----------|-------------|-----------|-------------------|-------|----------------------------------|
| Max. | 48 °F | Dir. | SSW | Temp. | 70 °F | *Overnight 150 37 | | |
| Min. | 31 * °F | Vel. | M m.p.h. | Read. | 29.12 in. | -RA 1900-1930 LT | | |
| Set | 38 °F | Char. | gusty | Corr. | 29.01 in. | 0700 | 1300 | 1900 |
| R.H. | 93 % | 24 hr. Mov. | 3 mi. | Sea L. | 20.41 in. | Clds. | Clds. | Clds. st 1/10 cs |
| Ppn. | 0.41 in. | Prev. Dir. | NNE | 3 hr. Tend. | ✓ +0 mb | Wx | Wx | Wx It's better than this morning |
| Ppn. | 0 in. | Sol. | T in. | Snow Depth | AJD | Vis. | Vis. | Vis. ~ 20 mi. |

\bar{T} 40

H_{DD} 25

ΣH_{DD} 589

ΣC_{DD} 0

ΣPCN_L 6.73

ΣPCN_S 2.2

T_{same} 37/24

T_{uv} 38/34

\bar{T}_w 40

\bar{T}_d 39

Sunday November 23 1997

0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | | General Obs. | | | |
|-------|----------|-------------|----------|-------------|-----------|---------------------------------------------|---------------|-------|------------------------------|
| Max. | 41 °F | Dir. | S | Temp. | 70 °F | - RAIN OBS ~ 0800 LT - DE 0800 ~ 1230 LT | | | |
| Min. | 38 °F | Vel. | 3 m.p.h. | Read. | 29.00 in. | | | | |
| Set | 39 °F | Char. | light. | Corr. | 28.91 in. | 0700 | 1300 | 1900 | |
| R.H. | 85 % | 24 hr. Mov. | 10 mi. | Sea L. | 30.29 in. | Clds. | Cu 9/10 Cs | Clds. | St 10/16 |
| Ppn. | 0.02 in. | Prev. Dir. | NW | 3 hr. Tend. | - 4.2 mb | Wx | okay | Wx | Wx Not that cold BINOC |
| Ppn. | T in. | Sol. | 0 in. | Snow Depth | 0 in. | Observer | MSK | Vis. | ~ 20 mi. |
| | | | | | | Vis. | ~ 20 mi. | Vis. | 10 mi. |

\bar{T} 40

C_{DD} 0

H_{DD} 25

ΣC_{DD} 0

ΣH_{DD} 608

ΣPCN_L 6.75

ΣPCN_S 2.2

Tramos ~~41~~ 37/26

T_{unv} 40/34

T_w 38

T_d 34

MONDAY NOVEMBER 24, 1997
0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | General Obs. | | | |
|-------|-------|-------------|--------------|-------------|-------------------------------------------------|-------------|------------------------|-----------|
| Max. | 42 °F | Dir. | W | Temp. | - SHSN ~2130 - 065 x Based on UNU obs | | | |
| Min. | 26 °F | Vel. | 18629 m.p.h. | Read. | | | | 28.39 in. |
| Set | 27 °F | Char. | WINDY | Corr. | | | | 28.77 in. |
| | | | | | 0700 | 1300 | 1900 | |
| R.H. | *68 % | 24 hr. Mov. | M mi. | Sea L. | Clds. | 9/10 SC | Clds. | 9/10 CU |
| | | | | 30.20 in. | | | | 4/10 CU |
| Ppn. | T in. | Prev. Dir. | W | 3 hr. Tend. | WX SMOGG JUST ENDED. PRFL CLRING | WX windy | WX Winters chill | |
| | | | | 1+2 mb | | | | |
| Ppn. | T in. | Snow Depth | T in. | Observer | Vis. | 15 mi. | Vis. | 20 mi. |
| | | | | EMB | | | Vis. | ~20 mi. |

~~T~~ 34

H₀ 31

ΣH_{00} 639

ΣP_{enL} 675

ΣP_{enS} 2.2

T_{Atmos} 24/5

T_{low} 27/18

T_d 18
(low)

Tuesday 25 November 1997
0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-----------------|-----------------------------|------------------------|----------------------------------------|---------------------|----------------------------|--|
| Max. 32 °F | Dir. W | Temp. 70 °F | SHSN ~0750 - 0900 +SHSN 0900 - 0915 | | | |
| Min. 22 °F | Vel. 3 m.p.h. | Read. 29.05 in. | | | | |
| Set 24 °F | Char. steady | Corr. 28.93 in. | 0700 | 1300 | 1900 | |
| R.H. 67 % | 24 hr. Mov. 153 mi. | Sea L. 30.37 in. | Clds. 1/10 Ac As | Clds. 8/10 Ac | Clds. 9/10 Ac | |
| Ppn. .05 in. | Liq. Prev. Dir. W | 3 hr. Tend. -0.9 mb | Wx brisk | Wx still chilly! | Wx when FAFA. TEMPER | |
| Ppn. .70 in. | Sol. Snow Depth T in. | Observer JMJ | Vis. 25 mi. | Vis. 25 mi. | Vis. 10 mi. | |

\bar{T} 27

HDD 38

Σ HDD 678

Σ PCNL 6,80"

Σ PCNS 2,9"

Tunv 23/14

Tramos 22/2

Tdunv 14

Wednesday November 26, 1997
0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|--------------------|-----------------------|------------------------|------------------------------------------------------------------|----------------------|----------------------|--|
| Max. 48 °F | Dir. SW | Temp. 72 °F | * HIGH AT OBS WARM KIDPA ~ 2000 LT (TEMPERATURE, PRESSURE) | | | |
| Min. 24 °F | Vel. 12 m.p.h. | Read. 28.65 in. | | | | |
| Set * 48 °F | Char. Breezy | Corr. 28.52 in. | | | | |
| | | | 0700 | 1300 | 1900 | |
| R.H. 52 % | 24 hr. Mpv. 97 mi. | Sea L. 29.87 in. | Clds. C: 8/10 Cc | Clds. C: 10/10 St | Clds. N: 10/10 Sc | |
| Ppn. Liq. — in. | Prev. Dir. SW | 3 hr. Tend. -1.5 mb | Wx Incredibly warm | Wx BREEZY | Wx -DZ | |
| Ppn. Sol. — in. | Snow Depth 0 in. | Observer EMB | Vis. 20 mi. | Vis. 20 mi. | Vis. 15 mi. | |

\bar{T} 36

H_{DO} 29

ΣH_{DO} 706

ΣPCW_L 6.80"

ΣPCW_S 2.9"

JUNV 47/31

T RAMOS 46/21

T_w 42

T_d 33

THURSDAY 27 NOVEMBER 1997

Meteorological Observatory
University Park, PA

0700 EST

| Temp. | | Wind | Barom. | General Obs. | | |
|-----------------|------------------------|---------------------|--------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Max. 52 °F | Dir. WNW | Temp. 70 °F | -SHRA ~ 1000 LT OCCUR - RA 1600 - 0200 LT - LIGHTNING S, SW 2230 LT * UNV DEWPOINT USED | | | |
| Min. 35 °F | Vel. 15 m.p.h. | Read. 28.78 in. | | | | |
| Set 37 °F | Char. BUSTY | Corr. 28.66 in. | | | | |
| R.H. 67 % | 24 hr. Mov. 175 mi. | Sea L. 30.06 in. | 0700 Clds. 3/10 SC | 1300 Clds. | 1900 Clds. 7/10 CC | |
| Ppn. .09 in. | Liq. | Prev. Dir. WSW | 3 hr. Tend. +3.5 mb | Wx NOT TRANQUIL, BUT TRANQUIL | Wx | Wx I'M TRANQUIL IT'S TRANQUIL |
| Ppn. 0 in. | Sol. | Snow Depth 0 in. | Observer WJS | Vis. 25 mi. | Vis. mi. | Vis. 25 mi. |

$$\bar{T} = 44$$

$$H_{DD} = 21$$

$$\sum H_{DD} = 728$$

$$\sum PCN_L = 6.89''$$

$$\sum PCN_S = 2.9''$$

$$T_{UV} = 37/27$$

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

$$T_{RMS} = 35/14$$

$$T_d = 27$$

FRIDAY 28 NOVEMBER 1997

Meteorological Observatory
University Park, PA

0700 EST

| Temp. | | Wind | Barom. | General Obs. | | |
|----------------------|----------------------|------------------------|----------------------------------------|--------------|-------------------|--|
| Max. 45 °F | Dir. WSW | Temp. 71 °F | SRA ~ 0230 LT -RA, OCCL PE 0430-085 | | | |
| Min. 32 °F | Vel. 13 m.p.h. | Read. 28.81 in. | * UNV DEWPOINT | | | |
| Set 38 °F | Char. STUDY | Corr. 28.68 in. | 0700 | 1300 | 1900 | |
| R.H. 67 % | 24 hr. Mov. M mi. | Sea L. 30.06 in. | Clds. 10/10 NS | Clds. | Clds. 10/10 St | |
| Ppn. Liq. .10 in. | Prev. Dir. M | 3 hr. Tend. -3.9 mb | Wx RA | Wx | Wx BLAH | |
| Ppn. Sol. T in. | Snow Depth 0 in. | Observer WJS | Vis. 10 mi. | Vis. mi. | Vis. 5 mi. | |

$$\bar{T} = 39$$

$$H_{20} = 26$$

$$\Sigma H_{20} = 759$$

$$\Sigma PCN_L = 6.99''$$

$$\Sigma PCN_j = 2.9''$$

$$T_{JUN} = 37/28$$

$$T_{AUG} = 35/16$$

$$T_W = N/A$$

$$T_L = 28$$

SATURDAY 29 NOVEMBER 1997

Meteorological Observatory
University Park, PA

0700 EST

| Temp. | | Wind | Barom. | General Obs. | | |
|----------------------|----------------------|------------------------|----------------------------------|--------------|-------------------|--|
| Max. 52 °F | Dir. NE | Temp. 71 °F | -RA, OCC L RA OBS - 0900 LT | | | |
| Min. 36 °F | Vel. 3 m.p.h. | Read. 28.92 in. | XOUNT LOW | | | |
| Set 44 °F | Char. STEADY | Corr. 28.77 in. | 0700 | 1300 | 1900 | |
| R.H. 77 % | 24 hr. Mov. M mi. | Sea L. 30.15 in. | Clds. 10/10 SE | Clds. | Clds. 10/10 SE | |
| Ppn. Liq. .10 in. | Prev. Dir. M | 3 hr. Tend. 41.6 mb | Wx HIGHER CLD USBL N, HAZE | Wx | Wx FB | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer WJS | Vis. 15 mi. | Vis. mi. | Vis. 5 mi. | |

$$\bar{T} = 44$$

$$HDD = 21$$

$$\Sigma HDD = 774$$

$$\Sigma PCNL = 7.09''$$

$$\Sigma PCNS = 2.9''$$

$$T_{UN} = 43/34$$

$$T_{ANNUS} = 42/25$$

$$T_W = 41$$

$$T_D = 37$$

SUNDAY 30 NOVEMBER 1997

0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | Barom. | General Obs. | | |
|-------|-----------------|-----------------------|------------------------|----------------------------------------------------|-------------|-------------------|
| Max. | 49 °F | Dir. SSW | Temp. 70 °F | -RA ~ 0100 - 0300 LT | | |
| Min. | 41 °F | Vel. ~1 m.p.h. | Read. 28.57 in. | ** 2nd WETTEST NOVEMBER ON RECORD (7.45", 1985) | | |
| Set | 44 °F | Char. NEARLY CALM | Corr. 28.45 in. | 0700 | 1300 | 1900 |
| R.H. | 93 % | 24 hr. Mov. 23 mi. | Sea L. 29.81 in. | Clds. 10/10 ST | Clds. | Clds. ST 10/10 |
| Ppn. | Liq. .01 in. | Prev. Dir. SSW | 3 hr. Tend. -2.5 mb | Wx FG | Wx | Wx RA |
| Ppn. | Sol. 0.0 in. | Snow Depth 0 in. | Observer WJS | Vis. 4 mi. | Vis. mi. | Vis. 2 mi. |

$$\bar{T} = 45$$

$$H_{20} = 2.0$$

$$T_{JUN} = 45/37$$

$$T_{RMS} = 43/29$$

$$T_W = 43$$

$$T_D = 42$$

$$\Sigma H_{20} = 199$$

$$\Sigma PCN_2 = 7.10'' **$$

$$\Sigma PCN_3 = 29''$$

$$\bar{T}_{MAX} 45.0 \quad \bar{T}_{NOV} = 38.27$$

$$\bar{T}_{MIN} 31.5$$

** 2nd WETTEST NOV.
(FRONT)

Sunday 16 November 1997
0700 EST

Meteorological Observatory
University Park, PA

| Temp. | | Wind | | Barom. | General Obs. | | | |
|-------|----------|-------------|----------|-------------|-----------------------------------------|-----------------------------------------|-------|-----------|
| Max. | 32 °F | Dir. | WNW | Temp. | BASED ON UNV. OBS OCCL -SN 1700-2300 | | | |
| | | | | 67 °F | | | | |
| Min. | 27 °F | Vel. | 2 m.p.h. | Read. | | | | 28.90 in. |
| Set | 29 °F | Char. | light | Corr. | 28.79 in. | | | |
| R.H. | 76 % | 24 hr. Mov. | M mi. | Sea L. | 30.21 in. | 0700 | 1300 | 1900 |
| | | | | | | Clds. | Clds. | Clds. |
| | | | | | | 10/10 | | 10/10 NS |
| Ppn. | 0.03 in. | Prev. Dir. | M | 3 hr. Tend. | +2 mb | Wx | Wx | Wx |
| | | | | | | Wx cold with an occasional gust of wind | | -SN |
| Ppn. | 0.3 in. | Snow Depth | 2 in. | Observer | MSK | Vis. | Vis. | Vis. |
| | | | | | | ~10 mi. | mi. | 3 mi. |

\bar{T} 30

HDD 35

CDD 0

Σ HDD 390

Σ CDD 0

Σ PCNL 6.32

Σ PCNs 2.2"

Tramos 25/8

TUV 30/26

T_d 26