WS FORM F-6
(9-76)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: Desert Rock, NV

MONTH: April

YEAR: 1983

# PRELIMINARY LOCAL CLIMATOLOGICAL DATA

LATITUDE: 36° 37' N

LONGITUDE: 116° 01' W

GROUND ELEVATION (H): 3298 FT.

STANDARD TIME: Pacific

| DAY | TEMPERATURE °F MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | DEGREE DAYS (Base 65°) HEATING | COOLING | PRECIPITATION (In.) TOTAL (Water equivalent) | SNOWFALL, ICE PELLETS | SNOW, ICE PELLETS OR ICE ON GROUND AT — | WIND AVERAGE SPEED (mph) KNOTS | FASTEST MILE ~~SPEED (mph)~~ Peak Spd KNOTS | DIRECTION | ~~SUNSHINE TOTAL (Min.)~~ Ave. Stn Press | PERCENT OF POSSIBLE | SKY COVER SUNRISE TO SUNSET (Tenths) | WEATHER OCCURRENCES | Relative Humidity @ 0400 | 1000 | 1600 | 2200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6a | 6b | 7 | 8 | 9 | 10 | 23 | 12 | | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 67 | 42 | 55 | — | 10 | 0 | 0 | 0 | 0 | 8.0 | [redacted] | [redacted] | 26.75 | 81 | 6 | | 45 | 23 | 16 | 37 |
| 2 | 71 | 39 | 55 | — | 10 | 0 | 0 | 0 | 0 | 9.8 | 39 | NE | 26.5 | 86 | 4 | | 48 | 25 | 25 | 38 |
| 3 | 52 | 37 | 45 | — | 20 | 0 | 0 | 0 | 0 | 11.4 | 33 | NW | 26.5 | 70 | 3 | | 23 | 18 | 12 | 33 |
| 4 | 56 | 32 | 44 | — | 21 | 0 | T | T | 0 | 9.2 | 27 | N | 26.4 | 31 | 6 | SW- | 52 | 30 | 17 | 37 |
| 5 | 55 | 35 | 45 | — | 20 | 0 | 0 | 0 | 0 | 11.2 | 35 | NW | 26.5 | 58 | 7 | | 41 | 30 | 15 | 31 |
| 6 | 57 | 36 | 47 | — | 18 | 0 | 0 | 0 | 0 | 9.5 | 21 | NE | 26.6 | 87 | 2 | | 35 | 25 | 12 | 22 |
| 7 | 60 | 38 | 49 | — | 16 | 0 | 0 | 0 | 0 | 9.4 | 19 | N | 26.6 | 100 | 0 | | 37 | 16 | 8 | 30 |
| 8 | 68 | 34 | 51 | — | 14 | 0 | 0 | 0 | 0 | 6.7 | 22 | SW | 26.6 | 98 | 2 | | 39 | 20 | 14 | 27 |
| 9 | 70 | 43 | 57 | — | 8 | 0 | 0 | 0 | 0 | 12.9 | 40 | S | 26.6 | 60 | 8 | | 42 | 30 | 15 | 26 |
| 10 | 60 | 50 | 55 | — | 10 | 0 | 0 | 0 | 0 | 14.3 | 32 | SW | 26.5 | 4 | 10 | | 24 | 27 | 27 | 52 |
| 11 | 57 | 41 | 49 | — | 16 | 0 | T | 0 | 0 | 13.4 | 27 | SW | 26.4 | 36 | 9 | RW- | 63 | 59 | 23 | 41 |
| 12 | 48 | 34 | 41 | — | 24 | 0 | .01 | T | 0 | 9.1 | 22 | SW | 26.4 | 7 | 9 | RW-, SW- | 51 | 65 | 60 | 74 |
| 13 | 59 | 30 | 45 | — | 20 | 0 | 0 | 0 | 0 | 6.6 | 19 | NE | 26.6 | 58 | 4 | | 86 | 36 | 31 | 41 |
| 14 | 59 | 36 | 48 | — | 17 | 0 | 0 | 0 | 0 | 5.6 | 15 | N | 26.7 | 51 | 8 | | 56 | 28 | 23 | 35 |
| 15 | 65 | 40 | 53 | — | 12 | 0 | 0 | 0 | 0 | 5.5 | 17 | E | 26.7 | 81 | 7 | | 40 | 22 | 18 | 30 |
| 16 | 72 | 42 | 57 | — | 8 | 0 | 0 | 0 | 0 | 6.9 | 17 | E | 26.7 | 95 | 1 | | 38 | 16 | 15 | 35 |
| 17 | 77 | 44 | 61 | — | 4 | 0 | 0 | 0 | 0 | 8.7 | 33 | SE | 26.5 | 100 | 0 | | 35 | 16 | 11 | 31 |
| 18 | 62 | 47 | 55 | — | 10 | 0 | .07 | 0 | 0 | 13.6 | 37 | SW | 26.4 | 48 | 5 | RW- | 56 | 47 | 36 | 58 |
| 19 | 67 | 39 | 53 | — | 12 | 0 | T | 0 | 0 | 6.0 | 30 | SW | 26.4 | 65 | 7 | RW- | 88 | 48 | 34 | 53 |
| 20 | 58 | 45 | 52 | — | 13 | 0 | 0 | 0 | 0 | 9.3 | 21 | SW | 26.3 | 2 | 10 | | 63 | 56 | 46 | 83 |
| 21 | 60 | 43 | 52 | — | 13 | 0 | .07 | 0 | 0 | 7.2 | 17 | SW | 26.5 | 13 | 9 | RW- | 100 | 72 | 47 | 82 |
| 22 | 70 | 41 | 56 | — | 9 | 0 | 0 | 0 | 0 | 7.5 | 24 | SW | 26.6 | 81 | 4 | | 97 | 51 | 32 | 53 |
| 23 | 73 | 45 | 59 | — | 6 | 0 | 0 | 0 | 0 | 11.5 | 32 | S | 26.6 | 79 | 6 | | 93 | 34 | 19 | 27 |
| 24 | 67 | 51 | 59 | — | 6 | 0 | 0 | 0 | 0 | 16.4 | 35 | S | 26.4 | 98 | 0 | | 44 | 39 | 28 | 44 |
| 25 | 65 | 45 | 55 | — | 10 | 0 | 0 | 0 | 0 | 8.8 | 24 | SW | 26.4 | 96 | 3 | | 41 | 37 | 23 | 39 |
| 26 | 64 | 40 | 52 | — | 13 | 0 | 0 | 0 | 0 | 8.8 | 30 | SW | 26.4 | 42 | 9 | | 61 | 37 | 27 | 46 |
| 27 | 66 | 52 | 59 | — | 6 | 0 | 0 | 0 | 0 | 13.7 | 30 | S | 26.4 | 36 | 9 | | 43 | 28 | 25 | 44 |
| 28 | 71 | 54 | 63 | — | 2 | 0 | 0 | 0 | 0 | 16.1 | 30 | SW | 26.4 | 48 | 6 | | 42 | 37 | 35 | 52 |
| 29 | 66 | 50 | 58 | — | 7 | 0 | T | 0 | 0 | 15.7 | 33 | S | 26.4 | 48 | 6 | RW- | 75 | 45 | 46 | 59 |
| 30 | 65 | 46 | 56 | — | 9 | 0 | 0 | 0 | 0 | 14.9 | 28 | S | 26.4 | 62 | 4 | | 61 | 41 | 29 | 50 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| SUM | 1907 | 1251 | — | — | 364 | 0 | .15 | T | — | 307.7 | — | — | 795.2 | — | 164 | — | 1599 | 1058 | 769 | 1310 |
| AVG | 63.6 | [redacted] | 41.7 | — | — | — | — | — | — | 10.3 | FASTEST | DIRECTION | ~~POSSIBLE~~ | % | | — | 53 | 35 | 26 | 44 |
| | | | | | | | | | | MISC. → | 40 | S | 26.5 | 61 | 5.5 | — | — | — | — | — |

**TEMPERATURE DATA**

AVERAGE MONTHLY 52.6

DEPARTURE FROM NORMAL —

HIGHEST 77 ON 17

LOWEST 30 ON 13

NUMBER OF DAYS WITH –

MAX. 32° OR BELOW 0

MAX. 90° OR ABOVE 0

MIN. 32° OR BELOW 2

MIN. 0° OR BELOW 0

HEATING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 364

DEPARTURE FROM NORMAL —

SEASONAL TOTAL 3297

DEPARTURE FROM NORMAL —

COOLING DEGREE DAYS (Base 65°) 0

TOTAL THIS MONTH —

DEPARTURE FROM NORMAL 0

SEASONAL TOTAL —

DEPARTURE FROM NORMAL

**PRECIPITATION DATA**

TOTAL FOR THE MONTH .15 IN.

DEPARTURE FROM NORMAL — IN.

GREATEST IN 24 HRS. .07 ON 18, 21

SNOWFALL, ICE PELLETS

TOTAL FOR THE MONTH T IN.

GREATEST IN 24 HRS. T ON 4, 12

GREATEST DEPTH ON GROUND 0 ON —

**WEATHER**

NUMBER OF DAYS –

CLEAR (Scale 0–3) 8

PARTLY CLOUDY (Scale 4–7) 13

CLOUDY (Scale 8–10) 9

WITH 0.01 INCH OR MORE PRECIP. 3

WITH 0.10 INCH OR MORE PRECIP. 0

WITH 0.50 INCH OR MORE PRECIP. 0

WITH 1.00 INCH OR MORE PRECIP. 0

**SYMBOLS USED IN COLUMN 16**

RW = Rain Shower

SW = Snow Shower

**MAXIMUM PRECIPITATION**

| Δt (Minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRECIPITATION (Inches) | | | | | | | | | | | | |
| ENDED: DATE | | | | | | | | | | | | |
| TIME | | | | | | | | | | | | |

HIGHEST ~~SEA LEVEL~~ STN 26.82 IN. ON 1

LOWEST ~~SEA LEVEL~~ 26.26 IN. ON 20

WS FORM F-6 SUPERSEDES WS FORM F-6 (9-74) WHICH SHOULD BE USED UNTIL EXISTING STOCK IS DEPLETED.

☆ U.S. G.P.O. 1978-765-092/1151 REG. #6

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NV

DATE: 1983 APR 1

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 214 | 47 | 21 | 04 | 14 | | 022 | 210 | JC |
| SA | 0154 | CLR | 20 | | | 215 | 46 | 26 | 06 | 14 | | 022 | | JC |
| SA | 0251 | CLR | 20 | | | 216 | 45 | 25 | 03 | 13 | | 022 | | JC |
| SA | 0350 | CLR | 20 | | | 214 | 44 | 24 | 02 | 12 | | 020 | 803 44 RADAT 51072 | 008 |
| SA | 0451 | CLR | 20 | | | 220 | 43 | 24 | 03 | 12 | | 022 | | 008 |
| SA | 0550 | CLR | 20 | | | 219 | 43 | 23 | 03 | 10 | | 022 | | 008 |
| SA | 0651 | CLR | 20 | | | 226 | 46 | 23 | 03 | 16 | | 023 | 207 1001 | 008 |
| SA | 0744 | 250-BKN | 20 | | | 226 | 49 | 23 | 02 | 14 | | 023 | | 008 |
| SA | 0848 | 250-OVC | 20 | | | 234 | 52 | 23 | 03 | 12 | | 025 | | 008 |
| SA | 0950 | 250-OVC | 20 | | | 231 | 56 | 19 | 01 | 06 | | 025 | 207 1001 42 | 008 |
| SA | 1050 | 250-OVC | 20 | | | 220 | 59 | 13 | 12 | 10 | | 022 | | 008 |
| SA | 1145 | 250-OVC | 20 | | | 212 | 61 | 16 | 16 | 08 | | 019 | | 008 |
| SA | 1251 | 250-OVC | 20 | | | 208 | 63 | 15 | 19 | 05 | | 018 | 620 1001 | 008 |
| SA | 1349 | 250-BKN | 20 | | | 200 | 64 | 16 | 22 | 04 | | 016 | | 008 |
| SA | 1445 | 250-BKN | 20 | | | 195 | 66 | 14 | 23 | 04 | | 015 | | 008 |
| SA | 1553 | CLR | 20 | | | 185 | 65 | 18 | 36 | 09 | | 012 | 820 1001 67 RADAT | JC |
| / | | | | | | | | | | | | | 43106 | / |
| SA | 1651 | CLR | 20 | | | 182 | 65 | 19 | 29 | 06 | | 011 | | JC |
| SA | 1747 | CLR | 20 | | | 179 | 63 | 23 | 21 | 02 | | 010 | | JC |
| SA | 1853 | CLR | 20 | | | 184 | 57 | 26 | 25 | 06 | | 011 | 503 | JC |
| SA | 1948 | CLR | 20 | | | 190 | 52 | 29 | 07 | 04 | | 012 | | JC |
| SA | 2052 | CLR | 20 | | | 186 | 50 | 27 | 09 | 03 | | 011 | | JC |
| SA | 2153 | CLR | 20 | | | 185 | 48 | 23 | 08 | 02 | | 011 | 000 67 | JC |
| SA | 2254 | CLR | 20 | | | 175 | 46 | 26 | 04 | 03 | | 009 | | JC |
| SA | 2353 | CLR | 20 | | | 172 | 45 | 27 | 10 | 03 | | 008 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-003/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMR, DESERT ROCK, NM

DATE: 1983 APR 1

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.790 | 46.6 | 36.6 | 36 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 00-01 |
| 01 54 | 26.790 | 46.0 | 37.7 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.790 | 45.2 | 37.0 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.780 | 44.0 | 36.0 | 45 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 03-04 |
| 04 51 | 26.790 | 42.9 | 35.2 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.790 | 43.1 | 35.2 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.800 | 46.0 | 36.8 | 41 | 0 | 0 | ci | 250 | | | | | | | | | | | | 0 | 2 | .020 | | | 06-07 |
| 07 44 | 26.800 | 48.6 | 38.1 | 36 | 7 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 48 | 26.820 | 51.9 | 39.8 | 32 | 10 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 50 | 26.820 | 56.4 | 41.1 | 23 | 10 | 10 | ci | 250 | | | | | | | | | | | | 3 | 2 | .020 | | | 09-10 |
| 10 50 | 26.790 | 59.2 | 41.4 | 16 | 10 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 45 | 26.770 | 60.8 | 42.7 | 17 | 10 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 51 | 26.760 | 62.8 | 43.4 | 15 | 10 | 10 | ci | 250 | | | | | | | | | | | | 4 | 6 | .060 | | | 12-13 |
| 13 49 | 26.740 | 64.4 | 44.4 | 15 | 8 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 45 | 26.730 | 65.9 | 44.7 | 13 | 8 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 53 | 26.700 | 65.0 | 45.0 | 16 | 0 | 0 | ci | 250 | | | | | | | | | | | | 0 | 8 | .060 | | | 15-16 |
| 16 51 | 26.690 | 65.0 | 45.2 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 47 | 26.680 | 62.5 | 45.0 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.690 | 57.2 | 43.2 | 29 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 18-19 |
| 19 48 | 26.700 | 51.8 | 41.4 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.690 | 50.0 | 40.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.690 | 47.8 | 37.6 | 37 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 54 | 26.670 | 46.4 | 37.8 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.660 | 45.0 | 37.4 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 48 | 44 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 51 | 44 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 58 | 42 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 67 | 56 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 66 | 48 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 48 | 45 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0949 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.780 | 26.820 | 26.700 | 26.690 |
| BAROGRAPH 64 | 26.770 | 26.805 | 26.685 | 26.665 |
| BAR. CORR. 65 | +.010 | +.015 | +.015 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | 42 | 0 | 0 | 0 | 23 | NE | 1000 | | | | | 6 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0710P ±2 Sec. / 1927P ±2 Sec. / ± Sec.

1000P - CHANGED BAROGRAM

SR/O

RS/O

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 2

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 250 -SCT | 20 | | | 163 | 45 | 29 | 10 | 05 | | 005 | 717 1001 | JC |
| SA | 0148 | 250 -SCT | 20 | | | 155 | 44 | 26 | 01 | 05 | | 003 | | JC |
| SA | 0251 | CLR | 20 | | | 145 | 45 | 22 | 11 | 07 | | 001 | | JC |
| SA | 0348 | CLR | 20 | | | 140 | 42 | 24 | 14 | 03 | | 998 | 720 42 RADAT 41111 | 008 |
| SA | 0450 | CLR | 20 | | | 136 | 42 | 26 | 03 | 04 | | 997 | | 008 |
| SA | 0545 | 250 -SCT | 20 | | | 138 | 42 | 24 | 04 | 03 | | 997 | | 008 |
| SA | 0644 | 250 - SCT | 20 | | | 140 | 45 | 28 | 28 | 04 | | 997 | 403 1001 | 008 |
| SA | 0749 | 250 - BKN | 20 | | | 135 | 52 | 25 | 28 | 01 | | 996 | | 008 |
| SA | 0845 | 250 -BKN | 20 | | | 130 | 56 | 22 | 29 | 01 | | 995 | | 008 |
| SA | 0944 | 250 - BKN | 20 | | | 116 | 62 | 25 | 10 | 02 | | 992 | 817 1001 39 | 008 |
| SA | 1050 | 250 - BKN | 20 | | | 105 | 63 | 23 | 23 | 08 | | 988 | | 008 |
| SA | 1152 | 250 - BKN | 20 | | | 088 | 67 | 26 | 25 | 10 G 18 | | 984 | | 008 |
| SA | 1252 | 250 - SCT | 20 | | | 075 | 71 | 27 | 19 | 17 G 24 | | 981 | 734 1001 | 008 |
| SA | 1350 | 250 - SCT | 20 | | | 069 | 70 | 29 | 22 | 17 G 26 | | 979 | | 008 |
| SA | 1446 | 250 - SCT | 20 | | | 060 | 70 | 30 | 21 | 17 G 22 | | 976 | | 008 |
| SA | 1553 | 250 - SCT | 20 | | | 050 | 70 | 33 | 23 | 13 | | 973 | 824 100171 RADAT | JC |
| / | | | | | | | | | | | | | 23105 | / |
| SA | 1655 | 250 - SCT | 20 | | | 043 | 69 | 31 | 20 | 13 | | 971 | | JC |
| SA | 1754 | 250 - SCT | 20 | | | 044 | 66 | 29 | 21 | 13 | | 971 | | JC |
| SA | 1847 | 250 - BKN | 20 | | | 043 | 65 | 33 | 25 | 16 | | 971 | 607 1071 | JC |
| SA | 1950 | 120 SCT 250 - BKN | 20 | | | 056 | 62 | 33 | 30 | 13 | | 976 | | JC |
| SA | 2053 | 120 SCT 250 - BKN | 20 | | | 084 | 56 | 20 | 03 | 14 | | 983 | PRESRR | JC |
| SA | 2154 | 120 SCT 250 - BKN | 20 | | | 094 | 53 | 13 | 05 | 20 G 24 | | 987 | 147 1071 71 | JC |
| SA | 2252 | 120 SCT 250 - BKN | 20 | | | 103 | 50 | 18 | 01 | 21 G 32 | R | 989 | | JC |
| SA | 2353 | 250 - SCT | 20 | | | 114 | 48 | 18 | 02 | 13 G 23 | | 992 | PK WND 3639/18 | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_cP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1 10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 2

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.640 | 44.8 | 37.8 | 52 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 0 | 7 | -.050 | | | 00-01 |
| 01 48 | 26.620 | 43.6 | 36.4 | 50 | 2 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.600 | 44.8 | 35.8 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.580 | 42.4 | 35.1 | 48 | 0 | | | | | | | | | | | | | | | 0 | 7 | .060 | | | 03-04 |
| 04 50 | 26.570 | 41.5 | 35.0 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.570 | 41.8 | 34.8 | 50 | 3 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 44 | 26.570 | 45.0 | 37.6 | 50 | 5 | 5 | ci | 250 | | | | | | | | | | | | 2 | 6 | .010 | | | 06-07 |
| 07 49 | 26.560 | 52.1 | 40.6 | 35 | 7 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 45 | 26.550 | 55.5 | 41.5 | 27 | 7 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 44 | 26.520 | 61.9 | 45.3 | 25 | 7 | 7 | ci | 250 | | | | | | | | | | | | 2 | 8 | .050 | | | 09-10 |
| 10 50 | 26.490 | 63.4 | 45.4 | 21 | 6 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 52 | 26.450 | 67.1 | 47.8 | 21 | 6 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 52 | 26.420 | 70.8 | 49.7 | 19 | 4 | 4 | ci | 250 | | | | | | | | | | | | 1 | 7 | .100 | | | 12-13 |
| 13 50 | 26.400 | 70.3 | 50.0 | 21 | 3 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 46 | 26.380 | 69.5 | 50.0 | 23 | 3 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 53 | 26.320 | 70.0 | 51.0 | 25 | 1 | 1 | ci | 250 | | | | | | | | | | | | 0 | 8 | .070 | | | 15-16 |
| 16 55 | 26.330 | 68.9 | 50.2 | 25 | 2 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 54 | 26.330 | 65.8 | 48.1 | 25 | 4 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.330 | 64.7 | 49.0 | 31 | 8 | 0 | Ac | 120 | 8 | Ci | 250 | 8 | | | | | | | | 1 | 6 | .020 | | | 18-19 |
| 19 50 | 26.370 | 62.3 | 47.8 | 33 | 7 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 53 | 26.440 | 55.8 | 41.0 | 24 | 6 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 54 | 26.470 | 52.7 | 38.0 | 20 | 6 | 1 | Ac | 120 | 6 | Ci | 250 | 6 | | | | | | | | 1 | 1 | .140 | | | 21-22 |
| 22 52 | 26.490 | 49.9 | 37.6 | 28 | 6 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 53 | 26.520 | 48.0 | 36.6 | 30 | 3 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0340 | X | 0 | 0 | X | 45 | 42 | X | X | | | | | | X | | |
| | 0340 | 1 | 0 | 0 | 0 | 48 | 42 | | 0 | | | | | | | | |
| | 0938 | 2 | 0 | 0 | 0 | 65 | 39 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 71 | 61 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 70 | 52 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 53 | 48 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0943 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.580 | 26.520 | 26.350 | 26.470 |
| BAROGRAPH 64 | 26.570 | 26.520 | 26.325 | 26.445 |
| BAR. CORR. 65 | +.010 | ±0 | +.025 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 39 | 0 | 0 | 0 | 39 | N | 2318 | | | | | 4 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 1055P ±2 Sec./ 1935P ±2 Sec./ ± Sec.

0644/APP 603/0940

SP/0

RS/0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 3

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 119 | 45 | 15 | 03 | 12 | 619 | 994 | 224 | JC |
| SA | 0149 | CLR | 20 | | | 121 | 44 | 15 | 09 | 07 | | 994 | | JC |
| SA | 0251 | CLR | 20 | | | 118 | 42 | 12 | 10 | 10 | | 993 | | JC |
| SA | 0350 | CLR | 20 | | | 116 | 41 | 6 | 03 | 07 | | 993 | 805 41 RADAT 25059 | RD |
| SA | 0449 | CLR | 20 | | | 120 | 40 | 1 | 06 | 08 | | 993 | | RD |
| SA | 0550 | CLR | 20 | | | 119 | 39 | 7 | 07 | 06 | | 992 | | RD |
| SA | 0650 | CLR | 20 | | | 114 | 41 | 6 | 06 | 09 | | 991 | 805 | RD |
| SA | 0750 | CLR | 20 | | | 110 | 43 | 4 | 03 | 10 | | 990 | | RD |
| SA | 0850 | CLR | 20 | | | 109 | 45 | 11 | 04 | 10 | | 989 | | RD |
| SA | 0951 | CLR | 20 | | | 105 | 48 | 6 | 34 | 14 | | 987 | 712 1100 38 | RD |
| SA | 1051 | 80 SCT E250 BKN | 20 | | | 096 | 48 | 8 | 01 | 11 | | 985 | | RD |
| SA | 1149 | E80 BKN | 20 | | | 089 | 51 | 2 | 35 | 19 | 631 | 983 | | RD |
| SA | 1250 | E80 BKN | 20 | | | 085 | 49 | 7 | 34 | 14 | | 981 | 619 1100 | RD |
| SA | 1348 | E80 BKN | 20 | | | 083 | 50 | 5 | 02 | 18 | 628 | 980 | | RD |
| SA | 1450 | E80 BKN | 20 | | | 075 | 51 | 1 | 03 | 16 | | 978 | | RD |
| SA | 1550 | 80 SCT | 20 | | | 072 | 51 | 0 | 36 | 17 | 629 | 977 | 714 1200 52 RADAT 22061 | HS |
| SA | 1649 | 80 SCT | 20 | | | 074 | 49 | 3 | 33 | 13 | 623 | 977 | | HS |
| SA | 1747 | 80 SCT | 20 | | | 085 | 46 | 10 | 36 | 14 | 624 | 979 | | HS |
| SA | 1848 | 80 SCT | 20 | | | 086 | 45 | 8 | 34 | 15 | | 980 | 110 1200 | HS |
| SA | 1948 | 80 SCT | 20 | | | 093 | 41 | 17 | 36 | 12 | | 981 | | HS |
| SA | 2047 | CLR | 20 | | | 095 | 40 | 15 | 02 | 07 | | 982 | 3 | HS |
| SA | 2150 | CLR | 20 | | | 088 | 40 | 13 | 02 | 12 | | 981 | 002 1400 52 | HS |
| SA | 2248 | CLR | 20 | | | 086 | 39 | 14 | 02 | 08 | | 980 | | HS |
| SA | 2347 | CLR | 20 | | | 086 | 37 | 16 | 02 | 05 | | 980 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii iRixhVV Ndaff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 3

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.540 | 45.2 | 34.4 | 30 | 0 | | | | | | | | | | | | | | | 0 | 2 | .070 | | | 00-01 |
| 01 49 | 26.540 | 43.7 | 33.5 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.530 | 42.2 | 31.9 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.525 | 40.8 | 30.0 | 23 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 03-04 |
| 04 47 | 26.530 | 39.8 | 28.8 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.520 | 38.6 | 29.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.510 | 41.4 | 30.3 | 22 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 06-07 |
| 07 50 | 26.500 | 43.2 | 31.0 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.490 | 49.7 | 33.2 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.475 | 47.6 | 34.0 | 18 | 0 | 0 | Cu | 80 | | | | | | | | | | | | 0 | 7 | .035 | | | 09-10 |
| 10 51 | 26.455 | 48.2 | 34.6 | 19 | 6 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 47 | 26.435 | 50.7 | 35.2 | 13 | 7 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 50 | 26.420 | 49.0 | 35.0 | 18 | 8 | 8 | Cu | E80 | | | | | | | | | | | | 8 | 6 | .055 | | | 12-13 |
| 13 48 | 26.410 | 49.7 | 35.1 | 16 | 7 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 50 | 26.390 | 50.8 | 35.1 | 13 | 7 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 50 | 26.380 | 50.8 | 35.0 | 12 | 4 | 4 | Cu | 80 | | | | | | | | | | | | 4 | 7 | .040 | | | 15-16 |
| 16 49 | 26.380 | 49.1 | 34.4 | 15 | 5 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 47 | 26.400 | 46.0 | 33.7 | 22 | 4 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 48 | 26.410 | 45.3 | 33.1 | 22 | 5 | 5 | Cu | 80 | | | | | | | | | | | | 5 | 1 | .030 | | | 18-19 |
| 19 48 | 26.420 | 40.9 | 32.2 | 37 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 47 | 26.425 | 40.2 | 31.4 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.415 | 39.9 | 30.8 | 33 | 0 | 0 | Sc | 80 | | | | | | | | | | | | 0 | 0 | .005 | | | 21-22 |
| 22 48 | 26.410 | 38.7 | 30.2 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.410 | 37.3 | 30.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 48 | 41 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 53 | 41 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 48 | 38 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 52 | 48 | | 0 | | | | | | | | |
| | 2145 | * | 0 | 0 | 0 | 52 | 40 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 40 | 37 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0949 | 1549 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.525 | 26.475 | 26.380 | 26.415 |
| BAROGRAPH 64 | 26.505 | 26.455 | 26.360 | 26.395 |
| BAR. CORR. 65 | +.020 | +.020 | +.020 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 37 | 0 | 0 | 0 | 33 | NW | 1419 | | | | | 3 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0811P ±3 Sec./ 1850P ±3 Sec./ ± Sec.

2150 / 2150

SP/0

RS/0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/1031

MF 1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 4 APR 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 085 | 35 | 16 | 32 | 04 | | 979 | 805 1500 | HS |
| SA | 0148 | CLR | 20 | | | 081 | 34 | 16 | 32 | 08 | | 978 | | HS |
| SA | 0246 | CLR | 20 | | | 078 | 33 | 18 | 19 | 03 | | 977 | | HS |
| SA | 0351 | 70 SCT | 20 | | | 077 | 33 | 17 | 27 | 03 | | 977 | 609 7500 32 RADAT 42646 | RD |
| SA | 0450 | 70 SCT E140 BKN | 20 | | | 080 | 33 | 18 | 16 | 03 | | 977 | | RD |
| SA | 0549 | 70 SCT E140 BKN | 20 | | | 088 | 34 | 16 | 36 | 03 | | 980 | SWW SE MTNS OBSC SE | RD |
| SA | 0650 | 70 SCT 140 SCT | 20 | | | 091 | 38 | 18 | 25 | 03 | | 981 | 2/2 1550 | RD |
| SA | 0749 | E70 BKN | 20 | | | 095 | 41 | 17 | 21 | 05 | | 982 | | RD |
| SA | 0848 | E70 BKN | 20 | | | 096 | 43 | 17 | 21 | 03 | | 982 | | RD |
| SA | 0949 | E70 BKN | 20 | | | 093 | 47 | 17 | 36 | 18 | | 982 | SB31E43 SWW 5/00300 | RD |
| | | | | | | | | | | | | | 1500 32 | |
| SA | 1050 | E70 BKN | 20 | | | 090 | 49 | 15 | 04 | 13 | | 981 | SWW SE | RD |
| SA | 1149 | E70 BKN | 20 | | | 088 | 49 | 18 | 35 | 11 | | 980 | | RD |
| SA | 1247 | E70 BKN | 20 | | | 079 | 53 | 14 | 04 | 17 | | 978 | 712 1500 | RD |
| SA | 1349 | E70 BKN | 20 | | | 075 | 54 | 13 | 06 | 11 | | 977 | SWW SE | RD |
| SA | 1450 | E70 BKN | 20 | | | 072 | 53 | 12 | 02 | 13 | | 976 | | RD |
| SA | 1549 | E70 BKN | 20 | | | 067 | 55 | 9 | 36 | 09 | G18 | 974 | VIRGA ALQDS 710 | |
| | | | | | | | | | | | | | 1200 56 RADAT 36070 | HS |
| SA | 1648 | E70 BKN | 20 | | | 072 | 53 | 10 | 04 | 09 | | 976 | VIRGA ALQDS | HS |
| SA | 1745 | 70 SCT | 20 | | | 077 | 51 | 11 | 01 | 12 | | 977 | VIRGA ALQDS | HS |
| SA | 1847 | E70 BKN | 20 | | | 079 | 50 | 13 | 04 | 10 | | 978 | VIRGA ALQDS 210 1200 | HS |
| SA | 1950 | E70 BKN | 20 | | | 097 | 47 | 19 | 01 | 13 | G24 | 983 | | HS |
| SA | 2049 | E70 BKN | 20 | | | 105 | 45 | 22 | 03 | 15 | | 986 | | HS |
| SA | 2150 | E70 BKN | 20 | | | 110 | 45 | 20 | 04 | 11 | | 988 | 130 1400 56 | HS |
| SA | 2249 | 70 SCT | 20 | | | 115 | 42 | 21 | 07 | 14 | | 989 | | HS |
| SA | 2348 | 70 SCT | 20 | | | 116 | 41 | 18 | 07 | 09 | | 989 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iiiii $i_R i_x h$VV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-005/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 4 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.400 | 35.0 | 28.6 | 45 | 0 | 0 | Sc | 70 | | | | | | | | | | | | 0 | 8 | .015 | | | 00-01 |
| 01 48 | 26.390 | 34.2 | 28.1 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 46 | 26.380 | 33.1 | 28.0 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.380 | 32.8 | 27.6 | 52 | 2 | 2 | Sc | 70 | | | | | | | | | | | | 2 | 6 | .020 | | | 03-04 |
| 04 50 | 26.385 | 33.2 | 28.0 | 52 | 6 | | | | | | | | | | | | | | | 5 | | | | | 04-05 |
| 05 47 | 26.405 | 33.8 | 28.0 | 48 | 6 | | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 50 | 26.415 | 37.8 | 30.7 | 44 | 4 | 3 | Sc | 70 | 1 | Ac | 140 | 4 | | | | | | | | 4 | 2 | .035 | | | 06-07 |
| 07 49 | 26.425 | 40.9 | 32.3 | 38 | 7 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 48 | 26.430 | 43.1 | 33.5 | 34 | 8 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 49 | 26.425 | 47.0 | 35.7 | 30 | 8 | 8 | Sc | E70 | | | | | | | | | | | | 8 | 0 | .010 | | | 09-10 |
| 10 50 | 26.420 | 49.0 | 36.4 | 25 | 7 | | | | | | | | | | | | | | | 7 | | | | | 10-11 |
| 11 49 | 26.410 | 49.1 | 37.0 | 28 | 7 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 47 | 26.390 | 52.6 | 38.1 | 21 | 6 | 6 | Sc | E70 | | | | | | | | | | | | 6 | 7 | .035 | | | 12-13 |
| 13 49 | 26.380 | 54.2 | 38.8 | 19 | 6 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 50 | 26.370 | 52.8 | 37.9 | 19 | 6 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 49 | 26.360 | 54.9 | 38.4 | 17 | 7 | 7 | Cu | E70 | | | | | | | | | | | | 7 | 7 | .030 | | | 15-16 |
| 16 48 | 26.370 | 52.5 | 37.3 | 18 | 6 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 45 | 26.380 | 50.8 | 36.6 | 20 | 5 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 47 | 26.390 | 50.0 | 36.5 | 22 | 6 | 6 | Cu | E70 | | | | | | | | | | | | 6 | 2 | .030 | | | 18-19 |
| 19 50 | 26.440 | 46.9 | 36.2 | 33 | 6 | | | | | | | | | | | | | | | 6 | | | | | 19-20 |
| 20 49 | 26.460 | 45.3 | 36.0 | 39 | 7 | | | | | | | | | | | | | | | 7 | | | | | 20-21 |
| 21 50 | 26.480 | 44.8 | 35.2 | 37 | 8 | 8 | Sc | E70 | | | | | | | | | | | | 8 | 1 | .090 | | | 21-22 |
| 22 49 | 26.490 | 42.3 | 34.0 | 42 | 3 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 48 | 26.490 | 40.5 | 32.2 | 39 | 2 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 37 | 32 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 40 | 32 | | 0 | | | | | | | | |
| | 0941 | 2 | T | *T | 0 | 47 | 32 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 56 | 47 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 55 | 43 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 41 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0948 | 1548 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.380 | 26.425 | 26.360 | 26.480 |
| BAROGRAPH 64 | 26.355 | 26.400 | 26.345 | 26.460 |
| BAR. CORR. 65 | +.025 | +.025 | +.015 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 32 | T | *T | 0 | 27 | N | 2002 | | | | | 6 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| SW | 0931 | 0943 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 1100P ±3 Sec./ 1955P ±3 Sec./ ± Sec.

0549 / 0547

*T MELTED AS IT FELL

SP/O

PS/O

MF 1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 5 APR 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | 70 SCT | 20 | | | 115 | 39 | 16 | 03 | 13 | | 989 | 103 1500 | HS |
| SA | 0149 | 70 SCT | 20 | | | 112 | 38 | 16 | 03 | 15 | | 988 | | HS |
| SA | 0247 | CLR | 20 | | | 112 | 37 | 15 | 04 | 14 | | 988 | | HS |
| SA | 0349 | CLR | 20 | | | 115 | 36 | 14 | 06 | 11 | | 989 | 500 36 RADAT 46052 | RD |
| SA | 0448 | 250 - SCT | 20 | | | 117 | 36 | 13 | 04 | 17 | | 989 | | RD |
| SA | 0547 | 250 - BKN | 20 | | | 126 | 35 | 13 | 05 | 15 | | 992 | | RD |
| SA | 0648 | 250 - BKN | 20 | | | 132 | 37 | 16 | 04 | 12 | | 993 | 314 1008 | RD |
| SA | 0747 | 250 - SCT | 20 | | | 136 | 40 | 17 | 03 | 14 | | 994 | | RD |
| SA | 0850 | 250 - SCT | 20 | | | 133 | 45 | 16 | 02 | 16 | | 994 | FEW CU | RD |
| SA | 0951 | 250 - BKN | 20 | | | 130 | 47 | 17 | 03 | 08 | | 993 | 000 1108 35 | RD |
| SA | 1047 | 55 SCT 250 - BKN | 20 | | | 126 | 49 | 15 | 05 | 11 | | 992 | | RD |
| SA | 1150 | E55 ~~SCT~~ BKN 250 OVC | 20 | | | 120 | 51 | 12 | 04 | 10 | | 990 | | RD |
| SA | 1249 | E55 BKN 250 OVC | 20 | | | 115 | 50 | 11 | 02 | 07 | | 989 | 714 1108 | RD |
| SA | 1349 | E60 BKN 250 OVC | 20 | | | 110 | 51 | 11 | 08 | 11 | | 987 | | RD |
| SA | 1450 | E60 BKN 250 BKN | 20 | | | 106 | 51 | 8 | 01 | 06 | | 986 | | |
| SA | 1550 | E60 BKN 250 BKN | 20 | | | 101 | 53 | 7 | 06 | 07 | | 984 | VIRGA ALQDS 714 1202 | |
| / | | | | | | | | | | | | | 55 RADAT 35085 | HS |
| SA | 1648 | 60 SCT 250 SCT | 20 | | | 102 | 52 | 8 | 07 | 08 | | 984 | VIRGA SE-SW | HS |
| SA | 1748 | 60 SCT 250 SCT | 20 | | | 106 | 51 | 11 | 03 | 14 | | 986 | VIRGA SE | HS |
| SA | 1848 | 250 - SCT | 20 | | | 112 | 47 | 12 | 06 | 08 | | 987 | 307 1101 | HS |
| SA | 1947 | CLR | 20 | | | 119 | 45 | 15 | 05 | 10 | | 989 | | HS |
| SA | 2047 | CLR | 20 | | | 124 | 44 | 15 | 02 | 13 | | 991 | | HS |
| SA | 2149 | CLR | 20 | | | 129 | 43 | 14 | 04 | 12 | | 993 | 219 55 | HS |
| SA | 2248 | CLR | 20 | | | 132 | 42 | 13 | 03 | 11 | | 994 | | HS |
| SA | 2347 | CLR | 20 | | | 138 | 40 | 16 | 04 | 10 | | 996 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x h$VV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED

☆ U.S. G.P.O. 1982-563-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 5 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.490 | 39.4 | 31.1 | 38 | 2 | 2 | Sc | 70 | | | | | | | | | | | | 2 | 1 | .010 | | | 00-01 |
| 01 49 | 26.485 | 37.9 | 30.2 | 40 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 47 | 26.480 | 37.0 | 29.6 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.480 | 35.9 | 28.8 | 41 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 48 | 26.495 | 36.0 | 28.6 | 39 | 4 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 47 | 26.515 | 35.2 | 28.0 | 39 | 7 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 48 | 26.530 | 36.8 | 29.7 | 42 | 8 | 8 | Cs | 250 | | | | | | | | | | | | 2 | 3 | .040 | | | 06-07 |
| 07 47 | 26.540 | 40.3 | 32.0 | 39 | 3 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 50 | 26.535 | 44.6 | 34.3 | 32 | 4 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 51 | 26.530 | 47.4 | 36.0 | 30 | 6 | 0 | Cu | 70 | 6 | Cs | 250 | 6 | | | | | | | | 1 | 0 | .000 | | | 09-10 |
| 10 47 | 26.520 | 48.6 | 36.2 | 26 | 8 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 50 | 26.500 | 51.0 | 37.0 | 21 | 10 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 49 | 26.490 | 50.4 | 36.3 | 20 | 10 | 6 | Cu | E55 | 4 | Cs | 250 | 10 | | | | | | | | 8 | 7 | .040 | | | 12-13 |
| 13 49 | 26.475 | 51.1 | 36.8 | 20 | 10 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 50 | 26.465 | 50.9 | 36.2 | 17 | 8 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 50 | 26.450 | 52.6 | 36.9 | 15 | 6 | 6 | Cu | E60 | 2 | Ci | 250 | 8 | | | | | | | | 7 | 7 | .040 | | | 15-16 |
| 16 48 | 26.450 | 51.9 | 36.7 | 17 | 5 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 48 | 26.460 | 50.7 | 36.6 | 20 | 3 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 48 | 26.470 | 46.9 | 34.7 | 24 | 4 | 0 | Cu | 60 | 4 | Ci | 250 | 4 | | | | | | | | 1 | 3 | .020 | | | 18-19 |
| 19 47 | 26.490 | 44.8 | 34.2 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.510 | 43.8 | 33.6 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.525 | 43.0 | 32.9 | 31 | 0 | | | | | | | | | | | | | | | 0 | 2 | .055 | | | 21-22 |
| 22 48 | 26.535 | 41.9 | 31.9 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.550 | 40.2 | 31.6 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 41 | 36 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 45 | 36 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 48 | 35 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 55 | 47 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 54 | 43 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 43 | 40 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0950 | 1549 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.490 | 26.530 | 26.450 | 26.525 |
| BAROGRAPH 64 | 26.470 | 26.530 | 26.450 | 26.510 |
| BAR. CORR. 65 | +.020 | +0 | ±0 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 35 | 0 | 0 | 0 | 35 | NW | 1617 | | | | | 7 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 1105P ±3 Sec./ 1950P ±3 Sec./ ____ ± Sec.

*CHANGE MICROBAROGRAPH AND RESET TO ZERO AT 0950 LST *

1150 / 1150

SP/O

RS/O

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 6 APR 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0047 | CLR | 20 | | | 139 | 39 | 16 | 03 | 09 | | 996 | 108 | HS |
| SA | 0147 | CLR | 20 | | | 139 | 39 | 13 | 03 | 14 | | 996 | | HS |
| SA | 0247 | CLR | 20 | | | 143 | 38 | 13 | 04 | 10 | | 997 | | HS |
| SA | 0351 | CLR | 20 | | | 146 | 37 | 12 | 03 | 10 | | 997 | 305 36 RADAT 37057 | CRD |
| SA | 0451 | CLR | 20 | | | 148 | 36 | 15 | 04 | 12 | | 997 | | CRD |
| SA | 0549 | CLR | 20 | | | 155 | 37 | 15 | 04 | 15 | | 999 | | CRD |
| SA | 0647 | CLR | 20 | | | 161 | 39 | 14 | 05 | 14 | | 001 | 212 | CRD |
| SA | 0750 | CLR | 20 | | | 161 | 41 | 9 | 01 | 15 | | 001 | | CRD |
| SA | 0849 | CLR | 20 | | | 158 | 46 | 11 | 01 | 10 | | 001 | CU SE | CRD |
| SA | 0948 | CLR | 20 | | | 153 | 49 | 14 | 24 | 03 | | 999 | CU SE/803 1100 36 | CRD |
| SA | 1049 | 80 SCT | 20 | | | 150 | 52 | 7 | 33 | 08 | | 999 | | CRD |
| SA | 1146 | 80 SCT | 20 | | | 144 | 53 | 6 | 06 | 12 | | 997 | | CRD |
| SA | 1247 | 80 SCT | 20 | | | 134 | 55 | 2 | 03 | 10 | | 995 | 714 1100 | CRD |
| SA | 1346 | 80 SCT | 20 | | | 130 | 57 | -3 | 32 | 06 | | 994 | | CRD |
| SA | 1450 | 80 SCT | 20 | | | 126 | 56 | -3 | 34 | 04 | | 993 | | CRD |
| SA | 1549 | 80 SCT | 20 | | | 123 | 56 | 3 | 36 | 06 | | 992 | VIRGA W 712 1100 57 | / |
| / | | | | | | | | | | | | | RADAT 25074 | HS |
| SA | 1648 | 80 SCT | 20 | | | 127 | 54 | 7 | 07 | 09 | | 992 | | HS |
| SA | 1747 | 80 SCT | 20 | | | 126 | 54 | 4 | 36 | 03 | | 992 | | HS |
| SA | 1848 | CLR | 20 | | | 131 | 51 | 1 | 03 | 07 | | 993 | FEW CU 305 1100 | HS |
| SA | 1949 | CLR | 20 | | | 143 | 49 | 7 | 01 | 13 | | 997 | | HS |
| SA | 2047 | CLR | 20 | | | 142 | 47 | 8 | 03 | 09 | | 997 | | HS |
| SA | 2150 | CLR | 20 | | | 146 | 46 | 9 | 03 | 11 | | 999 | 117 57 | HS |
| SA | 2247 | CLR | 20 | | | 150 | 44 | 11 | 03 | 08 | | 000 | | HS |
| SA | 2349 | CLR | 20 | | | 153 | 45 | 9 | 02 | 11 | | 001 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii iRi$_x$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$

☆ U.S. G.P.O. 1982-564-008/1123

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 6 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 47 | 26.550 | 38.7 | 30.8 | 40 | 0 | | | | | | | | | | | | | | | 0 | 1 | .025 | | | 00-01 |
| 01 47 | 26.550 | 38.9 | 30.1 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 47 | 26.560 | 37.6 | 29.4 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.565 | 37.2 | 29.0 | 35 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 03-04 |
| 04 51 | 26.570 | 36.3 | 28.5 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.590 | 37.2 | 29.7 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.600 | 38.8 | 30.3 | 36 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 06-07 |
| 07 50 | 26.600 | 41.3 | 30.8 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.600 | 46.2 | 34.0 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.590 | 48.6 | 36.0 | 25 | 0 | 0 | Cu | 80 | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 49 | 26.585 | 51.5 | 36.3 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 46 | 26.570 | 52.7 | 36.8 | 15 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 47 | 26.550 | 54.8 | 37.5 | 12 | 2 | 2 | Cu | 80 | | | | | | | | | | | | 2 | 7 | .040 | | | 12-13 |
| 13 46 | 26.535 | 57.0 | 38.0 | 8 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.525 | 56.2 | 37.6 | 9 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 49 | 26.515 | 56.0 | 38.2 | 12 | 3 | 3 | Cu | 80 | | | | | | | | | | | | 3 | 7 | .035 | | | 15-16 |
| 16 48 | 26.520 | 54.0 | 37.6 | 14 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 47 | 26.520 | 53.6 | 37.0 | 13 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 48 | 26.530 | 50.7 | 35.1 | 13 | 0 | 0 | Cu | 80 | | | | | | | | | | | | 0 | 3 | .015 | | | 18-19 |
| 19 49 | 26.560 | 49.1 | 35.0 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.565 | 47.0 | 34.0 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.580 | 46.3 | 33.8 | 22 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 21-22 |
| 22 47 | 26.590 | 44.3 | 33.0 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.600 | 45.4 | 33.2 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | X | 0 | 0 | X | 40 | 36 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 43 | 36 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 50 | 36 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 57 | 49 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 56 | 45 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 44 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0947 | 1548 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.565 | 26.590 | 26.515 | 26.580 |
| BAROGRAPH 64 | 26.550 | 26.585 | 26.510 | 26.560 |
| BAR. CORR. 65 | +.015 | +.005 | +.005 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 36 | 0 | 0 | 0 | 21 | NE | 1605 | | | | | 1 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE | BEGAN | ENDED | TYPE | BEGAN | ENDED |
|---|---|---|---|---|---|
| 82 | 83 | 84 | 86 | 87 | 88 |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0830P ±3 Sec./ 1850P ±3 Sec./ ± Sec.

SP/O
RS/O

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 7 APR 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Mbs.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 154 | 43 | 11 | 03 | 13 | | 001 | 107 | HS |
| SA | 0150 | CLR | 20 | | | 154 | 40 | 15 | 03 | 12 | | 001 | | HS |
| SA | 0250 | CLR | 20 | | | 155 | 40 | 17 | 04 | 12 | | 001 | | HS |
| SA | 0349 | CLR | 20 | | | 158 | 39 | 15 | 04 | 10 | | 002 | 303 39 RADAT 39061 | CRD |
| SA | 0447 | CLR | 20 | | | 159 | 39 | 15 | 04 | 11 | | 002 | | CRD |
| SA | 0546 | CLR | 20 | | | 160 | 39 | 15 | 05 | 12 | | 002 | | CRD |
| SA | 0649 | CLR | 20 | | | 164 | 42 | 16 | 07 | 10 | | 003 | 303 | CRD |
| SA | 0746 | CLR | 20 | | | 166 | 45 | 14 | 02 | 15 | | 004 | Cu SE | CRD |
| SA | 0847 | CLR | 20 | | | 166 | 47 | 9 | 03 | 12 | | 004 | Cu SE | CRD |
| SA | 0949 | CLR | 20 | | | 166 | 50 | 6 | 05 | 10 | | 004 | CuSE / 103 1100 38 | CRD |
| SA | 1046 | CLR | 20 | | | 162 | 52 | 2 | 33 | 11 | | 003 | Cu SE | CRD |
| SA | 1147 | CLR | 20 | | | 154 | 54 | 0 | 02 | 12 | | 002 | CuSE | CRD |
| SA | 1249 | CLR | 20 | | | 145 | 55 | 0 | 06 | 12 | | 998 | CuSE / 717 1100 | CRD |
| SA | 1347 | CLR | 20 | | | 137 | 59 | -6 | 01 | 14 | | 996 | Cu SE | CRD |
| SA | 1450 | CLR | 20 | | | 129 | 59 | -7 | 14 | 06 | | 994 | | CRD |
| SA | 1550 | CLR | 20 | | | 126 | 59 | -2 | 02 | 11 | | 993 | 617 60 RADAT 24078 | EP |
| SA | 1652 | CLR | 20 | | | 122 | 59 | -1 | 35 | 11 | | 992 | | EP |
| SA | 1747 | CLR | 20 | | | 123 | 58 | -1 | 04 | 05 | | 992 | | EP |
| SA | 1845 | CLR | 20 | | | 128 | 50 | 8 | 05 | 07 | | 993 | 500 | EP |
| SA | 1949 | CLR | 20 | | | 137 | 47 | 9 | 14 | 05 | | 995 | | EP |
| SA | 2046 | CLR | 20 | | | 146 | 44 | 15 | 10 | 05 | | 997 | | EP |
| SA | 2149 | CLR | 20 | | | 148 | 43 | 14 | 05 | 06 | | 998 | 117 60 | EP |
| SA | 2248 | CLR | 20 | | | 151 | 43 | 9 | 00 | 00 | | 999 | | EP |
| SA | 2349 | CLR | 20 | | | 151 | 41 | 14 | 29 | 04 | | 999 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iiiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED

☆U.S. G.P.O. 1982-504-002/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 7 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.600 | 42.6 | 31.9 | 27 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 00-01 |
| 01 50 | 26.600 | 40.4 | 31.5 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.600 | 40.2 | 31.8 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.610 | 39.2 | 30.8 | 37 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 47 | 26.610 | 38.7 | 30.5 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.610 | 39.0 | 30.6 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.620 | 42.3 | 33.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 06-07 |
| 07 46 | 26.630 | 44.8 | 33.8 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.630 | 47.2 | 34.3 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.630 | 50.0 | 35.4 | 16 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 46 | 26.620 | 51.7 | 35.7 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.605 | 54.2 | 36.9 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.580 | 55.3 | 37.5 | 10 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 7 | .050 | | | 12-13 |
| 13 47 | 26.560 | 58.6 | 38.6 | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.540 | 58.8 | 38.6 | 6 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.530 | 58.6 | 39.0 | 8 | 0 | | | | | | | | | | | | | | | 0 | 6 | .050 | | | 15-16 |
| 16 52 | 26.520 | 59.3 | 39.4 | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 47 | 26.520 | 57.5 | 38.5 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 45 | 26.530 | 50.3 | 35.8 | 18 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 49 | 26.550 | 46.7 | 34.0 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 46 | 26.570 | 43.6 | 33.5 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.580 | 43.0 | 32.8 | 30 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 21-22 |
| 22 48 | 26.590 | 42.8 | 31.6 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.590 | 41.0 | 31.5 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 45 | 39 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 51 | 38 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 60 | 50 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 59 | 43 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 43 | 41 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0947 | 1546 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.610 | 26.630 | 26.530 | 26.580 |
| BAROGRAPH 64 | 26.580 | 26.610 | 26.520 | 26.560 |
| BAR. CORR. 65 | +.030 | +.020 | +.010 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 38 | 0 | 0 | 0 | 19 | N | 1000 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0000 ±3 Sec. / 1100 ±3 Sec. ± Sec.

SP/O
RS/O

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 8 APR 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 151 | 39 | 16 | 24 | 03 | | 999 | 103 | EP |
| SA | 0148 | CLR | 20 | | | 145 | 40 | 13 | 00 | 00 | | 998 | | EP |
| SA | 0250 | CLR | 20 | | | 146 | 37 | 14 | 10 | 05 | | 998 | | EP |
| SA | 0350 | CLR | 20 | | | 155 | 38 | 15 | 13 | 06 | | 001 | 303 36 RADAT 40077 | CRD |
| SA | 0446 | CLR | 20 | | | 158 | 36 | 15 | 11 | 07 | | 002 | | CRD |
| SA | 0545 | CLR | 20 | | | 161 | 34 | 16 | 01 | 03 | | 002 | | CRD |
| SA | 0649 | CLR | 20 | | | 164 | 42 | 21 | 27 | 03 | | 003 | 307 | CRD |
| SA | 0748 | CLR | 20 | | | 162 | 48 | 14 | 02 | 03 | | 003 | | CRD |
| SA | 0847 | CLR | 20 | | | 161 | 54 | 8 | 26 | 05 | | 003 | | CRD |
| SA | 0948 | CLR | 20 | | | 160 | 58 | 17 | 19 | 05 | | 004 | 302 1500 34 | CRD |
| SA | 1046 | CLR | 20 | | | 155 | 60 | 12 | 21 | 10 | | 002 | FEW CU CI | CRD |
| SA | 1147 | 300-SCT | 20 | | | 146 | 63 | 13 | 25 | 07 | | 999 | FEW CU | CRD |
| SA | 1246 | CLR | 20 | | | 141 | 65 | 17 | 25 | 08 | | 998 | 717 1101 | CRD |
| SA | 1348 | CLR | 20 | | | 129 | 67 | 17 | 20 | 10 | | 995 | FEW CU | CRD |
| SA | 1450 | 300-BKN | 20 | | | 121 | 66 | 22 | 20 | 13 | | 993 | FEW CU | CRD |
| SA | 1551 | 300-BKN | 20 | | | 110 | 68 | 17 | 22 | 08 | | 990 | 725 1108 68 RADAT 41092 | EP |
| SA | 1649 | 300-BKN | 20 | | | 113 | 66 | 15 | 23 | 13 | | 990 | | EP |
| SA | 1748 | 300-SCT | 20 | | | 114 | 64 | 14 | 22 | 10 | | 990 | | EP |
| SA | 1847 | CLR | 20 | | | 113 | 60 | 15 | 23 | 10 | | 990 | 400 1001 | EP |
| SA | 1948 | CLR | 20 | | | 116 | 61 | 16 | 20 | 09 | | 992 | | EP |
| SA | 2046 | CLR | 20 | | | 118 | 57 | 25 | 05 | 04 | | 993 | | EP |
| SA | 2150 | CLR | 20 | | | 118 | 55 | 22 | 28 | 05 | | 993 | 110 1001 68 | EP |
| SA | 2247 | CLR | 20 | | | 121 | 55 | 22 | 25 | 08 | | 994 | | EP |
| SA | 2347 | CLR | 20 | | | 123 | 53 | 22 | 01 | 06 | | 995 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x h VV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp $6RRR t_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1103

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 8 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.590 | 39.0 | 30.8 | 38 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 48 | 26.580 | 40.4 | 31.0 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.580 | 37.4 | 29.6 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.600 | 38.3 | 30.4 | 39 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 46 | 26.610 | 35.8 | 28.8 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.610 | 33.9 | 28.0 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.620 | 41.7 | 33.9 | 44 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 48 | 26.620 | 47.8 | 35.5 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.620 | 54.2 | 37.9 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.625 | 57.8 | 41.3 | 20 | 0 | 0 | Sc | 90 | | | | | | | | | | | | 0 | 3 | .005 | | | 09-10 |
| 10 46 | 26.610 | 60.3 | 41.6 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.590 | 63.4 | 43.4 | 14 | 1 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 46 | 26.575 | 65.0 | 44.8 | 15 | 0 | 0 | Cu | 90 | 0 | Ci | 300 | 0 | | | | | | | | 0 | 7 | .050 | | | 12-13 |
| 13 48 | 26.550 | 66.5 | 45.6 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.525 | 66.4 | 46.6 | 18 | 6 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 51 | 26.500 | 67.5 | 46.0 | 14 | 9 | 0 | Cu | 90 | 9 | Cs | 300 | 9 | | | | | | | | 1 | 7 | .075 | | | 15-16 |
| 16 49 | 26.500 | 66.1 | 45.0 | 14 | 8 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 48 | 26.500 | 63.8 | 43.7 | 14 | 2 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.500 | 59.8 | 42.0 | 17 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 4 | .000 | | | 18-19 |
| 19 48 | 26.520 | 60.5 | 42.5 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 46 | 26.530 | 56.8 | 42.8 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.530 | 54.6 | 40.8 | 27 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 1 | .030 | | | 21-22 |
| 22 47 | 26.540 | 54.8 | 40.9 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.550 | 52.5 | 39.8 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0846 | X | 0 | 0 | X | 41 | 36 | X | X | | | | | | X | | |
| | 0846 | 1 | 0 | 0 | 0 | 43 | 36 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 58 | 34 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 68 | 58 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 68 | 55 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 55 | 53 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0848 | 0947 | 1547 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.625 | 26.500 | 26.530 |
| BAROGRAPH 64 | 26.565 | 26.605 | 26.490 | 26.505 |
| BAR. CORR. 65 | +.035 | +.020 | +.010 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 34 | 0 | 0 | 0 | 22 | SW | 1458 | | | | | 2 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0800 ±3 Sec./ 1000 ±3 Sec./ ± Sec.

SP/0
AS/0

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 9 APR 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0047 | CLR | 20 | | | 125 | 50 | 22 | 02 | 10 | | 995 | 107 | EP |
| SA | 0145 | CLR | 20 | | | 125 | 47 | 23 | 02 | 08 | | 995 | | EP |
| SA | 0150 | CLR | 20 | | | 129 | 46 | 25 | 02 | 08 | | 996 | | EP |
| SA | 0348 | 300-SCT | 20 | | | 132 | 47 | 25 | 31 | 05 | | 997 | 307 1005 45 RADAT 36096 | CRD |
| SA | 0446 | 300-BKN | 20 | | | 135 | 44 | 24 | 32 | 07 | | 997 | | CRD |
| SA | 0547 | E 300 OVC | 20 | | | 144 | 44 | 28 | 36 | 08 | | 999 | | CRD |
| SA | 0650 | E 300 OVC | 20 | | | 146 | 52 | 28 | 05 | 03 | | 001 | 310 1007 | CRD |
| SA | 0747 | 300-OVC | 20 | | | 147 | 55 | 27 | 33 | 03 | | 002 | | CRD |
| SA | 0846 | 300-BKN | 20 | | | 148 | 56 | 29 | 19 | 06 | | 002 | | CRD |
| SA | 0949 | 300 SCT | 20 | | | 148 | 60 | 28 | 25 | 10 | | 002 | 103 1008 43 | CRD |
| SA | 1048 | 300 SCT | 20 | | | 134 | 64 | 30 | 23 | 17G27 | | 998 | | CRD |
| SA | 1147 | 300-BKN | 20 | | | 121 | 67 | 27 | 21 | 18G29 | | 995 | | CRD |
| SA | 1246 | 300-OVC | 20 | | | 120 | 69 | 24 | 19 | 15G28 | | 995 | 622 1007 | CRD |
| SA | 1350 | 300-OVC | 20 | | | 115 | 70 | 22 | 22 | 15G34 | | 993 | PK WND 1940/07 | CRD |
| SA | 1451 | 300-BKN | 20 | | | 106 | 69 | 18 | 21 | 20G35 | | 990 | | CRD |
| SA | 1548 | 300-BKN | 20 | | | 105 | 69 | 19 | 19 | 20G30 | | 990 | 615 1038 70 RADAT 20101 | EP |
| SA | 1647 | 150 SCT E300 BKN | 20 | | | 104 | 66 | 20 | 18 | 16G26 | | 988 | ACSL SE | EP |
| SA | 1748 | E150 BKN 300 OVC | 20 | | | 108 | 65 | 13 | 19 | 20G30 | | 990 | | EP |
| SA | 1850 | E150 BKN 300 OVC | 20 | | | 102 | 63 | 5 | 21 | 16 | | 988 | 803 1077 | EP |
| SA | 1947 | E150 BKN 250 OVC | 20 | | | 111 | 62 | 10 | 19 | 15 | | 992 | | EP |
| SA | 2050 | E150 BKN 250 OVC | 20 | | | 108 | 60 | 22 | 18 | 14 | | 991 | | EP |
| SA | 2150 | 150 SCT E250 OVC | 20 | | | 106 | 58 | 23 | 20 | 18G25 | | 991 | 007 1077 70 | EP |
| SA | 2248 | 150 SCT E250 OVC | 20 | | | 101 | 59 | 24 | 20 | 17G24 | | 990 | | EP |
| SA | 2350 | E150 BKN 2500 VC | 20 | | | 105 | 56 | 28 | 19 | 20G26 | | 991 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PFPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 9 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 47 | 26.550 | 49.6 | 38.4 | 33 | 0 | | | | | | | | | | | | | | 0 | 1 | .020 | | | | 00-01 |
| 01 | 45 | 26.550 | 46.8 | 37.2 | 39 | 0 | | | | | | | | | | | | | | 0 | | | | | | 01-02 |
| 02 | 50 | 26.560 | 46.1 | 37.2 | 42 | 0 | | | | | | | | | | | | | | 0 | | | | | | 02-03 |
| 03 | 48 | 26.570 | 47.0 | 37.8 | 42 | 3 | 3 | Cs | 300 | | | | | | | | | | | 0 | 3 | .020 | | | | 03-04 |
| 04 | 46 | 26.570 | 44.0 | 35.9 | 45 | 7 | | | | | | | | | | | | | | 3 | | | | | | 04-05 |
| 05 | 47 | 26.590 | 43.8 | 37.0 | 53 | 10 | | | | | | | | | | | | | | 6 | | | | | | 05-06 |
| 06 | 50 | 26.600 | 51.6 | 41.2 | 40 | 10 | 10 | Cs | E300 | | | | | | | | | | | 6 | 3 | .030 | | | | 06-07 |
| 07 | 47 | 26.610 | 54.7 | 42.4 | 34 | 10 | | | | | | | | | | | | | | 5 | | | | | | 07-08 |
| 08 | 46 | 26.610 | 56.3 | 43.8 | 35 | 7 | | | | | | | | | | | | | | 3 | | | | | | 08-09 |
| 09 | 49 | 26.610 | 59.7 | 45.1 | 30 | 4 | 4 | Cs | 300 | | | | | | | | | | | 3 | 1 | .010 | | | | 09-10 |
| 10 | 48 | 26.580 | 63.5 | 47.5 | 29 | 2 | | | | | | | | | | | | | | 2 | | | | | | 10-11 |
| 11 | 47 | 26.550 | 67.1 | 48.0 | 22 | 8 | | | | | | | | | | | | | | 2 | | | | | | 11-12 |
| 12 | 46 | 26.545 | 69.2 | 48.2 | 18 | 10 | 10 | Cs | 300 | | | | | | | | | | | 3 | 6 | .065 | | | | 12-13 |
| 13 | 50 | 26.530 | 69.7 | 48.0 | 16 | 10 | | | | | | | | | | | | | | 3 | | | | | | 13-14 |
| 14 | 51 | 26.500 | 69.0 | 46.8 | 14 | 7 | | | | | | | | | | | | | | 3 | | | | | | 14-15 |
| 15 | 48 | 26.500 | 68.6 | 46.9 | 15 | 9 | 0 | Ac | 180 | 9 | Cs | 300 | 9 | | | | | | | 2 | 6 | .045 | | | | 15-16 |
| 16 | 47 | 26.490 | 65.8 | 45.9 | 17 | 9 | | | | | | | | | | | | | | 6 | | | | | | 16-17 |
| 17 | 48 | 26.500 | 64.8 | 44.0 | 13 | 10 | | | | | | | | | | | | | | 8 | | | | | | 17-18 |
| 18 | 50 | 26.490 | 62.7 | 41.9 | 10 | 10 | 6 | Ac | E150 | 10 | Cs | 300 | 10 | | | | | | | 10 | 8 | .010 | | | | 18-19 |
| 19 | 47 | 26.520 | 61.5 | 42.0 | 13 | 10 | | | | | | | | | | | | | | 8 | | | | | | 19-20 |
| 20 | 50 | 26.510 | 59.5 | 43.4 | 23 | 10 | | | | | | | | | | | | | | 9 | | | | | | 20-21 |
| 21 | 50 | 26.510 | 57.9 | 42.9 | 26 | 10 | 3 | Ac | 150 | 10 | Cs | E250 | 10 | | | | | | | 10 | 0 | .020 | | | | 21-22 |
| 22 | 48 | 26.500 | 57.3 | 42.9 | 28 | 10 | | | | | | | | | | | | | | 10 | | | | | | 22-23 |
| 23 | 50 | 26.510 | 55.7 | 43.0 | 34 | 10 | | | | | | | | | | | | | | 10 | | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 53 | 45 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 55 | 45 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 60 | 43 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 70 | 60 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 69 | 58 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 58 | 56 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0948 | 1545 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.610 | 26.500 | 26.510 |
| BAROGRAPH 64 | 26.535 | 26.610 | 26.500 | 26.500 |
| BAR. CORR. 65 | +.035 | 0* | 0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | 43 | 0 | 0 | 0 | 40 | S | 1307 | | | | | 8 | 7 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK-CLOCK AT: 0800P ±3 Sec./ 1000 ±3 Sec./ ± Sec.

* BAROGRAPH CHART CHANGED "O" CLK

SP/O

AS/O

MF 1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 10 APR 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | E150 BKN 250 OVC | 20 | | | 103 | 56 | 23 | 20 | 17 | | 991 | 500 1077 | EP |
| SA | 0148 | 150 SCT E250 OVC | 20 | | | 104 | 54 | 25 | 19 | 19 | G25 | 991 | | EP |
| SA | 0250 | 150 SCT E250 OVC | 20 | | | 098 | 55 | 20 | 21 | 15 | G23 | 989 | | EP |
| SA | 0348 | 120 SCT E200 BKN | 20 | | | 101 | 53 | 18 | 18 | 12 | G17 | 990 | 703 1078 53 RADAT 38085 | KS |
| SA | 0451 | 120 SCT 200-BKN | 20 | | | 107 | 52 | 17 | 17 | 10 | | 991 | | KS |
| SA | 0545 | 120 SCT E200 OVC | 20 | | | 109 | 53 | 17 | 26 | 05 | | 992 | | KS |
| SA | 0649 | 120 SCT E200 OVC | 20 | | | 117 | 52 | 23 | 26 | 07 | | 993 | 310 1077 | KS |
| SA | 0746 | 120 SCT E200 OVC | 20 | | | 115 | 55 | 18 | 20 | 13 | G20 | 993 | | KS |
| SA | 0850 | E120 BKN 200 OVC | 20 | | | 120 | 57 | 21 | 20 | 13 | G18 | 994 | | KS |
| SA | 0945 | E120 BKN 200 OVC | 20 | | | 121 | 56 | 23 | 22 | 15 | G22 | 994 | 103 1027 52 | KS |
| SA | 1053 | E150 OVC | 20 | | | 117 | 53 | 24 | 24 | 17 | G24 | 993 | | KS |
| SA | 1147 | E140 OVC | 20 | | | 114 | 58 | 20 | 21 | 16 | G23 | 992 | | KS |
| SA | 1246 | E140 OVC | 20 | | | 107 | 58 | 23 | 23 | 13 | G21 | 990 | 814 102/ | KS |
| SA | 1352 | E140 OVC | 20 | | | 091 | 59 | 27 | 23 | 16 | G22 | 986 | | KS |
| SA | 1450 | E140 OVC | 20 | | | 087 | 59 | 24 | 20 | 17 | G22 | 984 | 20085 | KS |
| SA | 1550 | E160 OVC | 20 | | | 088 | 58 | 24 | 23 | 12 | | 984 | 617 102/ 60 RADAT ~~08520~~ | CG |
| SA | 1653 | E160 OVC | 20 | | | 087 | 58 | 27 | 20 | 13 | | 983 | | CG |
| SA | 1753 | E160 OVC | 20 | | | 079 | 54 | 29 | 22 | 17 | | 981 | | CG |
| SA | 1852 | E160 OVC | 20 | | | 073 | 52 | 30 | 23 | 17 | G26 | 979 | 817 102/ | CG |
| SA | 1947 | E160 OVC | 20 | | | 067 | 51 | 31 | 23 | 21 | G30 | 978 | | CG |
| SA | 2050 | E160 OVC | 20 | | | 063 | 35 | 30 | 24 | 20 | G30 | 976 | | CG |
| SA | 2150 | E160 OVC | 20 | | | 065 | 50 | 33 | 24 | 16 | | 976 | 607 102/ 60 | CG |
| SA | 2250 | E130 OVC | 20 | | | 056 | 50 | 30 | 22 | 12 | | 974 | | CG |
| SA | 2351 | E130 OVC | 20 | | | 052 | 50 | 29 | 22 | 10 | | 973 | | CG |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: !Iiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 10 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.510 | 55.8 | 41.8 | 28 | 10 | 6 | Ac | E150 | 10 | Cs | 250 | 10 | | | | | | | | 9 | 5 | .000 | | | 00-01 |
| 01 48 | 26.510 | 53.9 | 41.5 | 33 | 10 | | | | | | | | | | | | | | | 9 | | | | | 01-02 |
| 02 50 | 26.495 | 54.6 | 40.4 | 25 | 10 | | | | | | | | | | | | | | | 7 | | | | | 02-03 |
| 03 48 | 26.500 | 53.2 | 39.2 | 24 | 8 | 3 | Ac | 120 | 5 | Cs | E200 | 8 | | | | | | | | 7 | 5 | .010 | | | 03-04 |
| 04 51 | 26.510 | 52.1 | 38.5 | 25 | 8 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 45 | 26.515 | 52.6 | 38.8 | 24 | 10 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 49 | 26.530 | 52.3 | 40.0 | 32 | 10 | 3 | Ac | 120 | 10 | Cs | E200 | 10 | | | | | | | | 9 | 3 | .030 | | | 06-07 |
| 07 46 | 26.530 | 56.4 | 40.4 | 23 | 10 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 50 | 26.540 | 57.2 | 42.0 | 24 | 10 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 45 | 26.540 | 56.3 | 42.0 | 27 | 10 | 8 | As | E120 | 2 | Cs | 200 | 10 | | | | | | | | 10 | 1 | .010 | | | 09-10 |
| 10 53 | 26.530 | 57.6 | 42.8 | 27 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 47 | 26.520 | 58.2 | 42.2 | 22 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 46 | 26.500 | 58.2 | 42.9 | 25 | 10 | 10 | As | E140 | | | | | | | | | | | | 10 | 8 | .040 | | | 12-13 |
| 13 52 | 26.460 | 59.0 | 44.3 | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.450 | 59.0 | 43.7 | 26 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 50 | 26.450 | 57.8 | 43.0 | 27 | 10 | 10 | As | E160 | | | | | | | | | | | | 10 | 6 | .050 | | | 15-16 |
| 16 53 | 26.440 | 56.0 | 43.0 | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 53 | 26.420 | 54.2 | 42.6 | 37 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 52 | 26.400 | 52.2 | 42.0 | 42 | 10 | 10 | As | E160 | | | | | | | | | | | | 10 | 8 | .050 | | | 18-19 |
| 19 47 | 26.390 | 51.3 | 41.8 | 45 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 50 | 26.380 | 50.6 | 41.3 | 45 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.380 | 50.0 | 42.0 | 52 | 10 | 10 | As | E160 | | | | | | | | | | | | 10 | 6 | .020 | | | 21-22 |
| 22 50 | 26.360 | 50.4 | 41.2 | 46 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 51 | 26.350 | 49.6 | 40.5 | 45 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | 0 | 0 | X | 56 | 53 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 58 | 53 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 57 | 52 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 60 | 56 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 58 | 50 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 50 | 50 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0945 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.500 | 26.540 | 26.450 | 26.380 |
| BAROGRAPH 64 | 26.485 | 26.525 | 26.435 | 26.360 |
| BAR. CORR. 65 | +.015 | +.015 | +.020 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 50 | 0 | 0 | 0 | 32 | SW | 2130 | | | | | 10 | 10 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0634P 04 Sec. 2110 04 Sec. ± Sec.

~~P~~ 1550/1550 2050/2050 0348/0348

RS=0

SP=0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/103

MF 1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 11

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | E130 OVC | 20 | | | 054 | 47 | 30 | 24 | 17 | | 977 | 610 1021 | CG |
| SA | 0150 | E130 OVC | 20 | | | 058 | 46 | 30 | 22 | 18 | | 974 | | CG |
| SA | 0245 | E130 OVC | 20 | | | 058 | 45 | 31 | 23 | 14 | | 974 | | CG |
| SP | 0348 | M30 BKN 130 OVC | 20 | | RW- | 059 | 44 | 32 | 21 | 14 | G19 | 974 | RB37/10300 152/ 44 | LG |
| — | — | | | | | | | | | | | | RADAT 77059 | — |
| RS | 0450 | M17 BKN 30 OVC | 20 | | R- | 066 | 41 | 37 | 24 | 10 | | 975 | | LG |
| SA | 0550 | M10 BKN 170VC | 10 | | L- | 070 | 41 | 36 | 30 | 06 | | 976 | RE10LB10 WND SHFTD | LG |
| — | — | | | | | | | | | | | | GRDLY | — |
| SP | 0646 | M10 BKN 24 OVC | 10 | | L- | 079 | 41 | 37 | 24 | 11 | | 974 | 31400 17// | LG |
| SP | 0730 | 11 SCT M27 BKN 45 OVC | 20 | | | | | | 23 | 15 | | 978 | | LG |
| SA | 0746 | 10 SCT M25 BKN 45 OVC | 20 | | | 081 | 43 | 37 | 23 | 13 | G20 | 980 | RE06 | LG |
| SA | 0845 | 10 SCT E25 OVC | 20 | | RW- | 085 | 45 | 34 | 24 | 16 | | 981 | RB33 | LG |
| SP | 0924 | 15SCT 25SCT E50 OVC | 20 | | | | | | 24 | 15 | | 982 | BINOVC | LG |
| RS | 0947 | M22 BKN 50 OVC | 20 | | | 088 | 47 | 34 | 22 | 12 | | 982 | RE03 SWU SE/21000 | LG |
| — | — | | | | | | | | | | | | 17// 41 | — |
| SP | 1035 | 22 SCT E50 OVC | 20 | | | | | | 23 | 13 | | 982 | SWU SE-S | LG |
| SA | 1052 | 22 SCT E50 BKN 230 OVC | 20 | | | 087 | 50 | 34 | 21 | 13 | G19 | 982 | | LG |
| SA | 1145 | 25 SCT E70 BKN 230 BKN | 20 | | | 082 | 51 | 32 | 21 | 12 | G18 | 981 | SWU SE-S | LG |
| SA | 1246 | E30 BKN 70 OVC | 20 | | | 085 | 50 | 32 | 23 | 11 | | 981 | RB30E37 RWU NW | LG |
| — | — | | | | | | | | | | | | 60300 18// | — |
| SA | 1347 | M45 BKN 70 BKN | 20 | | | 082 | 49 | 34 | 26 | 08 | | 980 | | LG |
| SA | 1450 | 45 SCT 70SCT 230SCT | 20 | | | 063 | 57 | 19 | 26 | 10 | | 975 | | LG |
| SA | 1554 | 50 SCT 230 SCT | 20 | | | 063 | 52 | 20 | 24 | 13 | G20 | 975 | 61700 1101 57 | JC |
| / | | | | | | | | | | | | | RADAT 46071 | / |
| SA | 1653 | 50 SCT 230 - BKN | 20 | | | 065 | 57 | 28 | 22 | 16 | G21 | 975 | | JC |
| SA | 1751 | 50 SCT 230 - OVC | 20 | | | 068 | 51 | 18 | 20 | 15 | G24 | 975 | | JC |
| SA | 1849 | 50 SCT 230 - OVC | 20 | | | 070 | 49 | 17 | 22 | 16 | G20 | 975 | 400 1101 | JC |
| SA | 1950 | 230 - SCT | 20 | | | 074 | 47 | 19 | 23 | 18 | G25 | 976 | | JC |
| SA | 2048 | 230 - SCT | 20 | | | 078 | 46 | 18 | 22 | 15 | G20 | 978 | | JC |
| SA | 2152 | 230 - SCT | 20 | | | 076 | 45 | 23 | 23 | 14 | G24 | 978 | 107 1001 57 | JC |
| SA | 2254 | 230 - SCT | 20 | | | 067 | 44 | 20 | 20 | 15 | G20 | 975 | | JC |
| SA | 2347 | 230 - SCT | 20 | | | 067 | 43 | 19 | 21 | 14 | G21 | 975 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIIII $i_R i_x hVV$ Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-534-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 11

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.350 | 46.7 | 39.3 | 52 | 10 | 10 | AS | F30 | | | | | | | | | | | | 10 | 6 | .030 | | | 00-01 |
| 01 50 | 26.360 | 45.9 | 38.7 | 53 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 45 | 26.360 | 45.1 | 38.8 | 57 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 48 | 26.360 | 44.0 | 38.6 | 63 | 10 | 7 | SC | M30 | 10 | AS | 130 | 10 | | | | | | | | 10 | 1 | .010 | | | 03-04 |
| 04 50 | 26.370 | 40.7 | 38.7 | 85 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 50 | 26.380 | 40.8 | 38.5 | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 46 | 26.400 | 41.1 | 39.0 | 84 | 10 | 7 | STRA | M10 | 3 | STRA | 24 | 10 | | | | | | | | 10 | 3 | .040 | | | 06-07 |
| 07 46 | 26.410 | 42.7 | 40.1 | 81 | 10 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 45 | 26.420 | 45.1 | 40.0 | 65 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 47 | 26.430 | 47.3 | 41.0 | 59 | 10 | 7 | CUFR | M22 | 3 | SC | 50 | 10 | | | | | | | | 9 | 2 | .030 | | | 09-10 |
| 10 52 | 26.430 | 49.8 | 42.2 | 54 | 10 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 45 | 26.420 | 51.0 | 42.0 | 47 | 9 | | | | | | | | | | | | | | | 9 | | | | | 11-12 |
| 12 46 | 26.420 | 50.2 | 41.8 | 50 | 10 | 7 | CU | E30 | 3 | SC | 70 | 10 | | | | | | | | 9 | 6 | .010 | | | 12-13 |
| 13 47 | 26.410 | 48.8 | 41.6 | 55 | 9 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 50 | 26.370 | 56.7 | 41.3 | 23 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 54 | 26.370 | 52.2 | 41.8 | 23 | 3 | 3 | Cu | 50 | 0 | Ci | 230 | 3 | | | | | | | | 3 | 6 | .050 | | | 15-16 |
| 16 53 | 26.370 | 52.0 | 43.8 | 33 | 7 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 51 | 26.370 | 51.0 | 32.0 | 21 | 10 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 49 | 26.370 | 48.9 | 36.8 | 28 | 10 | 2 | Cu | 50 | 10 | Ci | 230 | 10 | | | | | | | | 2 | 4 | .000 | | | 18-19 |
| 19 50 | 26.380 | 46.5 | 36.1 | 33 | 4 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 48 | 26.390 | 45.7 | 35.2 | 32 | 2 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 52 | 26.390 | 45.3 | 36.3 | 41 | 2 | 2 | Ci | 230 | | | | | | | | | | | | 1 | 1 | .020 | | | 21-22 |
| 22 54 | 26.370 | 44.3 | 35.0 | 38 | 2 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.370 | 43.2 | 34.1 | 38 | 4 | | | | | | | | | | | | | | | 1 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | T | 0 | X | 50 | 44 | X | X | | | | | | X | | |
| | 0344 | 1 | T | 0 | 0 | 50 | 44 | | 0 | | | | | | | | |
| | 0943 | 2 | T | 0 | 0 | 47 | 41 | | 1 | | | | | | | | |
| | 1546 | 3 | T | 0 | 0 | 52 | 47 | | 1 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 52 | 45 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 43 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0947 | 1549 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.360 | 26.430 | 26.370 | 26.390 |
| BAROGRAPH 64 | 26.340 | 26.400 | 26.340 | 26.360 |
| BAR. CORR. 65 | +.020 | +.030 | +.030 | +.030 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 41 | T | 0 | 0 | 27 | SW | 2112 | | | | | 9 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0337 | 0430 | | | |
| R- | 0430 | 0510 | | | |
| L- | 0510 | 0706 | | | |
| RW- | 0833 | 0903 | | | |
| RW- | 1230 | 1237 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0533P ±4 Sec./ 1:433P ±3 Sec./ ± Sec.

51P - 3
PS - 2

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 12

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 230 -SCT | 20 | | | 072 | 42 | 21 | 21 | 15 | | 976 | 503 1001 | JC |
| SA | 0153 | 230 -SCT | 20 | | | 070 | 40 | 23 | 21 | 12 | | 975 | | JC |
| SA | 0251 | M60 BKN 230 BKN | 20 | | | 065 | 40 | 23 | 22 | 13 | | 975 | | JC |
| SA | 0347 | M32 OVC | 20 | | | 062 | 40 | 24 | 21 | 12 | | 974 | 707 15// 40 RADAT 56051 | KG |
| SA | 0445 | M45 BKN 230 OVC | 20 | | | 062 | 37 | 25 | 22 | 12 | | 974 | | KG |
| SA | 0544 | M40 BKN 200 OVC | 20 | | | 067 | 37 | 29 | 23 | 14 | | 974 | FEW ST 12 HHD | KG |
| SP | 0618 | 10 SCT M 27 OVC 15 | ~~20~~ | | RW- | | | | 22 | 11 | | 974 | | KG |
| SA | 0645 | 10SCT M 27 OVC | 10 | | RW- | 068 | 37 | 31 | 23 | 14 | G19 | 974 | VSBY S-SW 3 RB08 | KG |
| — | — | | | | | | | | | | | | 40000 17// | — |
| SP | 0705 | -X 3SCT M10 BKN 27 OVC | 3 | | SW- | | | | 22 | 10 | | 974 | S4 | KG |
| SA | 0745 | 3SCT M14 BKN 30 OVC | 4 | | RW-SW- | 078 | 36 | 33 | 22 | 08 | | 976 | SB1457 RE03B30 | KG |
| SP | 0802 | M3 BKN 14 OVC | 4 | | RW-SW- | | | | 22 | 09 | | 976 | | KG |
| RS | 0848 | M6 BKN 30 OVC | 20 | | | 078 | 39 | 28 | 26 | 07 | | 976 | BINOVC SE15 RE22 | KG |
| SP | 0920 | M12 BKN 30 BKN | 20 | | | | | | 26 | 09 | | 976 | | KG |
| SA | 0948 | M14 BKN 30 OVC | 20 | | | 075 | 42 | 31 | 20 | 14 | | 976 | TRU SE RWU NW-N | KG |
| — | — | | | | | | | | | | | | 10700 12// 36 | — |
| SA | 1047 | M17 BKN 30 OVC | 20 | | | 070 | 46 | 31 | 23 | 13 | G18 | 975 | BINOVC RWU NE AND SE | KG |
| SA | 1145 | E20 BKN 35 BKN 200 OVC | 20 | | | 070 | 46 | 31 | 24 | 13 | | 975 | BINOVC RWU NW-N | KG |
| RS | 1251 | 20 SCT M30 OVC | 15 | | | 073 | 44 | 30 | 23 | 13 | | 975 | RWU NW-E /60300 12// | KG |
| SP | 1323 | M14 BKN 30 OVC | 10 | | RW- | | | | 31 | 10 | | 975 | WSHFT 20 | KG |
| SA | 1347 | M14 BKN 20 OVC | 15 | | RW- | 079 | 40 | 34 | 28 | 05 | | 976 | RB13 WSHFT 20 | KG |
| SA | 1452 | E25 BKN 60 OVC | 20 | | | 078 | 42 | 33 | 13 | 05 | | 976 | RE04 | KG |
| SA | 1550 | E25 BKN 50 OVC | 20 | | | 072 | 45 | 32 | 05 | 04 | | 975 | BINOVC 00001 17// 48 | — |
| — | — | | | | | | | | | | | | RADAT 81L 046047055 | 008 |
| SA | 1649 | E25 BKN 50 BKN 100 BKN | 20 | | | 077 | 46 | 30 | 15 | 03 | | 976 | | 008 |
| SA | 1751 | E25 BKN 100 BKN 200 BKN | 20 | | | 082 | 45 | 31 | 23 | 06 | | 977 | VIRGA W | 008 |
| SA | 1845 | E25 BKN 100 BKN 200 BKN | 20 | | | 090 | 43 | 30 | 26 | 06 | | 980 | 314 1763 | 008 |
| SA | 1951 | E25 BKN 100 BKN 200 BKN | 20 | | | 100 | 43 | 29 | 12 | 06 | | 982 | | 008 |
| SP | 2025 | 25 SCT E100 BKN 200 BKN | 20 | | | | | | 30 | 02 | | 983 | | 008 |
| SA | 2050 | 25 SCT 100 SCT E 200 BKN | 20 | | | 103 | 40 | 33 | 35 | 02 | | 983 | | 008 |
| SA | 2144 | 100 SCT 200-BKN | 20 | | | 102 | 39 | 31 | 05 | 03 | | 983 | 110 1036 48 | 008 |
| SA | 2245 | 100 SCT 200 SCT | 20 | | | 105 | 36 | 30 | 07 | 04 | | 984 | | 008 |
| SA | 2346 | 100 SCT 200 SCT | 20 | | | 109 | 35 | 29 | 05 | 03 | | 985 | | 008 |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTdTd 3P0P0P0P0 4PPPP 5appp 6PPPRtR 7wwW1W2 8NhCLCMCH

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-006/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO. DESERT ROCK. NV

DATE: 1983 APR 12

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.380 | 42.2 | 34.0 | 42 | 4 | 4 | Ci | 230 | | | | | | | | | | | | 1 | 5 | .010 | | | | 00-01 |
| 01 53 | 26.370 | 40.0 | 33.3 | 49 | 3 | | | | | | | | | | | | | | | 1 | | | | | | 01-02 |
| 02 51 | 26.370 | 39.9 | 33.3 | 50 | 9 | | | | | | | | | | | | | | | 8 | | | | | | 02-03 |
| 03 47 | 26.360 | 40.3 | 33.8 | 51 | 10 | 10 | SC | M32 | | | | | | | | | | | | 10 | 7 | .020 | | | | 03-04 |
| 04 45 | 26.360 | 39.1 | 33.5 | 57 | 10 | | | | | | | | | | | | | | | 8 | | | | | | 04-05 |
| 05 49 | 26.360 | 37.0 | 33.7 | 73 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 05-06 |
| 06 45 | 26.360 | 36.6 | 34.2 | 80 | 10 | 3 | CUFRA | 10 | 10 | CUFRA | M27 | 10 | | | | | | | | 9 | 4 | .000 | | | | 06-07 |
| 07 45 | 26.380 | 35.6 | 34.4 | 89 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 07-08 |
| 08 48 | 26.380 | 38.7 | 34.4 | 66 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 08-09 |
| 09 48 | 26.380 | 41.8 | 37.0 | 65 | 10 | 7 | CU | M14 | 3 | SC | 30 | 10 | | | | | | | | 9 | 1 | .020 | | | | 09-10 |
| 10 47 | 26.370 | 46.1 | 37.3 | 53 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 10-11 |
| 11 45 | 26.370 | 46.2 | 37.4 | 55 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 11-12 |
| 12 51 | 26.370 | 44.2 | 38.0 | 57 | 10 | 5 | CU | 20 | 5 | CU | M30 | 10 | | | | | | | | 10 | 6 | .010 | | | | 12-13 |
| 13 47 | 26.380 | 40.1 | 37.4 | 79 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 13-14 |
| 14 50 | 26.380 | 41.7 | 37.8 | 71 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 14-15 |
| 15 50 | 26.370 | 45.2 | 39.3 | 60 | 10 | 6 | CUFRA | E25 | 4 | SC | 50 | 10 | | | | | | | | 10 | 0 | .000 | | | | 15-16 |
| 16 49 | 26.380 | 45.8 | 38.9 | 54 | 9 | | | | | | | | | | | | | | | 9 | | | | | | 16-17 |
| 17 51 | 26.390 | 44.6 | 38.6 | 59 | 9 | | | | | | | | | | | | | | | 9 | | | | | | 17-18 |
| 18 45 | 26.410 | 42.9 | 37.4 | 61 | 9 | 6 | CUFRA | E25 | 2 | AC | 100 | 8 | 1 | Ci | 200 | 9 | | | | 9 | 3 | .040 | | | | 18-19 |
| 19 51 | 26.430 | 42.8 | 37.0 | 59 | 9 | | | | | | | | | | | | | | | 9 | | | | | | 19-20 |
| 20 50 | 26.440 | 39.8 | 36.7 | 76 | 7 | | | | | | | | | | | | | | | 6 | | | | | | 20-21 |
| 21 44 | 26.440 | 38.5 | 35.3 | 74 | 7 | 3 | AC | 100 | 4 | Ci | 200 | 7 | | | | | | | | 3 | 1 | .030 | | | | 21-22 |
| 22 45 | 26.450 | 36.0 | 33.5 | 79 | 4 | | | | | | | | | | | | | | | 4 | | | | | | 22-23 |
| 23 46 | 26.460 | 34.9 | 32.4 | 78 | 3 | | | | | | | | | | | | | | | 3 | | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 43 | 40 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 45 | 40 | | 0 | | | | | | | | |
| | 0944 | 2 | T | T* | 0 | 42 | 36 | | 0 | | | | | | | | |
| | 1542 | 3 | .01 | 0 | 0 | 48 | 40 | | 0 | | | | | | | | |
| | 2139 | 4 | 0 | 0 | 0 | 47 | 38 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 39 | 34 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0948 | 1549 | 2143 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.360 | 26.380 | 26.370 | 26.440 |
| BAROGRAPH 64 | 26.340 | 26.353 | 26.350 | 26.416 |
| BAR. CORR. 65 | +.020 | +.025 | +.020 | +.030 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND: SPEED (Kts.) 71 | PEAK WIND: DIRECTION 72 | PEAK WIND: TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.): TOP 75 | FROZEN GROUND LAYER (Ins.): BASE 76 | RIVER GAGE 77 | SKY COVER: SUNRISE TO SUNSET 78 | SKY COVER: MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 34 | .01 | T* | 0 | 22 | SW | 1116 | | | | | 9 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0608 | 0703 | | | |
| SW- | 0657 | 0815 | | | |
| RW- | 0730 | 0822 | | | |
| RW- | 1313 | 1404 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK A1: 0554P 04 Sec. / 2030P 05 Sec. / ± Sec.

* MELTED AS IT FELL 0618/0618

SP-6

RS-2

MF 1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 13

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0046 | 100SCT 200-BKN | 20 | | | 115 | 34 | 28 | 01 | 02 | | 986 | 210 1058 | 008 |
| SA | 0147 | 100 SCT 200 SCT | 20 | | | 114 | 33 | 28 | 11 | 02 | | 985 | | 008 |
| SA | 0250 | 100SCT 200 SCT | 20 | | | 116 | 35 | 25 | 10 | 02 | | 986 | | 008 |
| SA | 0347 | 200-SCT | 20 | | | 120 | 32 | 28 | 00 | 00 | | 987 | 303 1001 32 20001 | HG |
| — | — | | | | | | | | | | | | RADAT 58072 | — |
| SA | 0450 | CLR | 20 | | | 125 | 30 | 27 | 00 | 00 | | 988 | | HG |
| SA | 0548 | CLR | 20 | | | 133 | 31 | 28 | 15 | 05 | | 991 | | HG |
| SA | 0645 | CLR | 20 | | | 139 | 36 | 31 | 09 | 03 | | 993 | 317 1400 | HG |
| SA | 0745 | CLR | 20 | | | 139 | 40 | 30 | 23 | 04 | | 994 | | HG |
| SA | 0846 | CLR | 20 | | | 144 | 47 | 23 | 04 | 07 | | 996 | | HG |
| SA | 0945 | 50 SCT | 20 | | | 148 | 49 | 23 | 34 | 08 | | 997 | 214 1100 30 | HG |
| SA | 1046 | 50 SCT | 20 | | | 151 | 52 | 23 | 33 | 07 | | 998 | | HG |
| SA | 1147 | E50 BKN | 20 | | | 147 | 54 | 23 | 33 | 05 | | 997 | | HG |
| SA | 1248 | E50 BKN | 20 | | | 141 | 58 | 25 | 21 | 12 | | 996 | CB RWU NW AND NE | HG |
| — | — | | | | | | | | | | | | 803 1900 | — |
| SA | 1348 | E50 BKN | 20 | | | 142 | 59 | 25 | 27 | 11 | | 996 | TCU NW-E RWU NE | HG |
| SA | 1450 | E50 BKN | 20 | | | 135 | 55 | 17 | 32 | 08 | | 994 | CB RWU NW-N-SE | HG |
| SA | 1548 | E50 BKN | 20 | | | 142 | 54 | 24 | 03 | 14 | | 995 | CB RWU NE THRU SE | SH |
| | — | | — | | | — | | | | | | — | 503 1900 59 RADAT 42071 | — |
| SA | 1647 | E50 BKN | 20 | | | 147 | 53 | 21 | 12 | 04 | | 996 | CB RWU SE | SH |
| SA | 1746 | E50 BKN | 20 | | | 150 | 52 | 22 | 10 | 12 | | 997 | CB RWU SE AND SW | SH |
| SA | 1845 | E50 BKN | 20 | | | 154 | 50 | 22 | 12 | 08 | | 998 | CB DSNT SE/210 1900 | SH |
| SA | 1946 | 50 SCT E250 BKN | 20 | | | 158 | 49 | 20 | 08 | 08 | | 001 | | SH |
| SA | 2047 | 50 SCT E250 BKN | 20 | | | 162 | 47 | 24 | 05 | 06 | | 003 | | SH |
| SA | 2146 | 50 SCT 250-SCT | 20 | | | 166 | 47 | 24 | 11 | 12 | | 004 | 217 1401 59 | SH |
| SA | 2247 | 250-SCT | 20 | | | 168 | 45 | 25 | 06 | 09 | | 005 | | SH |
| SA | 2345 | CLR | 20 | | | 169 | 43 | 24 | 05 | 09 | | 005 | | SH |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_X h$VV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 13

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 46 | 26.470 | 33.6 | 31.5 | 81 | 7 | 1 | AC | 100 | 6 | CS | 200 | 7 | | | | | | | | 3 | 2 | .030 | | | 00-01 |
| 01 47 | 26.460 | 33.3 | 31.3 | 81 | 3 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 50 | 26.470 | 35.4 | 31.3 | 65 | 3 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 47 | 26.480 | 31.7 | 30.3 | 86 | 3 | 3 | CI | 200 | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 50 | 26.490 | 30.2 | 29.2 | 88 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.510 | 30.8 | 29.8 | 89 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.530 | 35.3 | 33.4 | 83 | 0 | 0 | SC | 70 | | | | | | | | | | | | 0 | 3 | .050 | | | 06-07 |
| 07 45 | 26.540 | 40.4 | 36.0 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 46 | 26.560 | 47.0 | 37.2 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.570 | 49.0 | 38.3 | 36 | 1 | 1 | CU | 50 | | | | | | | | | | | | 1 | 2 | .040 | | | 09-10 |
| 10 46 | 26.580 | 52.3 | 39.9 | 31 | 4 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 47 | 26.570 | 53.7 | 40.7 | 30 | 7 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 48 | 26.560 | 57.9 | 43.3 | 28 | 8 | 8 | CB | E50 | | | | | | | | | | | | 8 | 8 | .010 | | | 12-13 |
| 13 48 | 26.560 | 58.9 | 43.9 | 27 | 8 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 50 | 26.540 | 55.1 | 40.0 | 22 | 6 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 48 | 26.550 | 53.5 | 40.8 | 31 | 8 | 8 | CB | E50 | | | | | | | | | | | | 8 | 5 | .010 | | | 15-16 |
| 16 47 | 26.560 | 53.4 | 40.0 | 27 | 6 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 46 | 26.570 | 52.2 | 39.7 | 30 | 6 | | | | | | | | | | | | | | | 6 | | | | | 17-18 |
| 18 45 | 26.580 | 49.8 | 38.4 | 33 | 6 | 6 | CB | E50 | | | | | | | | | | | | 6 | 2 | .030 | | | 18-19 |
| 19 46 | 26.600 | 49.0 | 37.6 | 32 | 7 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 47 | 26.620 | 47.4 | 37.7 | 39 | 8 | | | | | | | | | | | | | | | 8 | | | | | 20-21 |
| 21 46 | 26.630 | 46.6 | 37.4 | 41 | 5 | 1 | SC | 50 | 5 | CI | 250 | 5 | | | | | | | | 2 | 2 | .050 | | | 21-22 |
| 22 47 | 26.640 | 45.3 | 37.0 | 45 | 3 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 45 | 26.640 | 42.7 | 35.3 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 35 | 32 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 39 | 32 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 49 | 30 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 59 | 49 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 54 | 46 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 43 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0945 | 1544 | 2143 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.480 | 26.570 | 26.550 | 26.620 |
| BAROGRAPH 64 | 26.450 | 26.570 | 26.540 | 26.620 |
| BAR. CORR. 65 | +.030 | ±.0* | +.010 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 30 | 0 | 0 | 0 | 19 | NE | 1533 | | | | | 4 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT 0638P ±4 Sec. 1810P ±3 Sec. ± Sec.

* BAROGRAPH CHANGED RESET TO ±.0 CORR

RS/0
SP/0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-70) WHICH MAY BE USED

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 14 APR 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0045 | CLR | 20 | | | 168 | 40 | 25 | 09 | 07 | | 005 | 103 1001 | SH |
| SA | 0145 | CLR | 20 | | | 168 | 39 | 25 | 03 | 07 | | 005 | | SH |
| SA | 0245 | CLR | 20 | | | 175 | 38 | 24 | 10 | 03 | | 006 | | SH |
| SA | 0348 | CLR | 20 | | | 176 | 38 | 24 | 10 | 05 | | 006 | 103 38 RADAT 48067 | MR |
| SA | 0449 | CLR | 20 | | | 185 | 36 | 24 | 31 | 02 | | 008 | AC SW-W | MR |
| SA | 0546 | 250-BKN | 20 | | | 191 | 37 | 25 | 02 | 07 | | 010 | AC SW-W | MR |
| SA | 0645 | 250-OVC | 20 | | | 191 | 43 | 25 | 04 | 07 | | 011 | 114 1007 | MR |
| SA | 0747 | 250-OVC | 20 | | | 189 | 47 | 24 | 35 | 05 | | 011 | CU SE | MR |
| SA | 0847 | E 250 OVC | 20 | | | 189 | 51 | 24 | 07 | 04 | | 011 | MDT CU SE | MR |
| SA | 0951 | E 250 OVC | 20 | | | 187 | 54 | 21 | 11 | 06 | | 011 | MDT CU SE-S AND NW | MR |
| / | | | | | | | | | | | | | VIRGA S AND NW 000 1202 36 | / |
| SA | 1051 | 60 SCT 250-OVC | 20 | | | 183 | 55 | 19 | 14 | 07 | | 010 | SML CB NE AND S SWU OMTNS | MR |
| / | | | | | | | | | | | | | S | / |
| SA | 1146 | E60 BKN 100 BKN 250 OVC | 20 | | | 179 | 57 | 17 | 20 | 08 | | 008 | MDT CU ALQDS SWU OMTNS SE | MR |
| SA | 1243 | E60 BKN 100 BKN 250 BKN | 20 | | | 180 | 55 | 17 | 03 | 06 | | 008 | VIRGA ALQDS 607 1231 | MR |
| SA | 1344 | E60 BKN 250 BKN | 20 | | | 174 | 56 | 15 | 19 | 03 | | 006 | VIRGA ALQDS | MR |
| SA | 1450 | E60 BKN 100 BKN | 20 | | | 167 | 57 | 17 | 09 | 04 | | 004 | VIRGA ALQDS | MR |
| SA | 1547 | E60 BKN | 20 | | | 166 | 57 | 20 | 02 | 10 | | 004 | 614 1200 59 | SH |
| | — | | | | | — | | | | | | | RADAT 44075 | — |
| SA | 1645 | 60 SCT | 20 | | | 168 | 56 | 21 | 05 | 06 | | 004 | | SH |
| SA | 1747 | 60 SCT | 20 | | | 169 | 55 | 22 | 02 | 05 | | 004 | | SH |
| SA | 1846 | 60 SCT 250 SCT | 20 | | | 167 | 50 | 23 | 04 | 06 | | 004 | 400 1101 | SH |
| SA | 1947 | E250 BKN | 20 | | | 174 | 49 | 21 | 06 | 09 | | 006 | | SH |
| SA | 2047 | E250 BKN | 20 | | | 179 | 49 | 23 | 09 | 03 | | 008 | | SH |
| SA | 2149 | 60 SCT E250 BKN | 20 | | | 178 | 47 | 21 | 03 | 07 | | 008 | 114 1108 59 | SH |
| SA | 2246 | 60 SCT E250 BKN | 20 | | | 182 | 45 | 24 | 16 | 03 | | 010 | | SH |
| SA | 2346 | 250 SCT | 20 | | | 186 | 44 | 21 | 01 | 05 | | 011 | | SH |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 14 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 45 | 26.640 | 40.4 | 34.3 | 54 | 0 | 0 | Cl | 250 | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 45 | 26.640 | 39.3 | 33.6 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.650 | 38.0 | 32.6 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.650 | 38.0 | 32.4 | 56 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 03-04 |
| 04 49 | 26.670 | 36.0 | 31.2 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.685 | 36.5 | 31.8 | 61 | 7 | | | | | | | | | | | | | | | 4 | | | | | 05-06 |
| 06 45 | 26.690 | 43.1 | 35.6 | 48 | 10 | 10 | CS | 250 | | | | | | | | | | | | 2 | 1 | .040 | | | 06-07 |
| 07 47 | 26.690 | 46.9 | 37.4 | 40 | 10 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 47 | 26.695 | 50.7 | 39.5 | 35 | 10 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 51 | 26.690 | 53.7 | 40.3 | 28 | 10 | 0 | Cu | 60 | 10 | Ci | E250 | 10 | | | | | | | | 6 | 0 | .000 | | | 09-10 |
| 10 51 | 26.680 | 54.8 | 40.3 | 24 | 10 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 46 | 26.670 | 57.3 | 41.1 | 20 | 10 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 43 | 26.670 | 55.3 | 40.2 | 22 | 9 | 8 | Cu | E60 | 1 | Ac | 100 | 9 | 0 | Ci | 250 | 9 | | | | 8 | 6 | .020 | | | 12-13 |
| 13 44 | 26.650 | 56.2 | 40.2 | 19 | 9 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 50 | 26.635 | 56.6 | 40.8 | 21 | 6 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 47 | 26.630 | 57.0 | 41.7 | 23 | 8 | 8 | Cu | E60 | | | | | | | | | | | | 8 | 6 | .040 | | | 15-16 |
| 16 45 | 26.630 | 56.4 | 41.6 | 25 | 5 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 47 | 26.630 | 55.0 | 41.2 | 28 | 5 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 46 | 26.630 | 50.0 | 38.8 | 34 | 3 | 3 | Cu | 60 | 0 | Ci | 250 | 3 | | | | | | | | 3 | 4 | .000 | | | 18-19 |
| 19 47 | 26.650 | 49.0 | 37.8 | 33 | 6 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 47 | 26.670 | 49.2 | 38.5 | 36 | 6 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 49 | 26.670 | 47.4 | 37.0 | 35 | 6 | 2 | Cu | 60 | 4 | CS | E250 | 6 | | | | | | | | 6 | 1 | .040 | | | 21-22 |
| 22 46 | 26.680 | 45.0 | 36.4 | 43 | 6 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 46 | 26.690 | 43.8 | 35.0 | 40 | 3 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 43 | 38 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 47 | 38 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 54 | 36 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 59 | 54 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 57 | 47 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 44 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0347 | 0949 | 1545 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.650 | 26.690 | 26.630 | 26.670 |
| BAROGRAPH 64 | 26.650 | 26.695 | 26.620 | 26.665 |
| BAR. CORR. 65 | 0 | -.005 | +.010 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 36 | 0 | 0 | 0 | 15 | N | 1539 | | | | | 8 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0530P ±4 Sec./ 1740P ±4 Sec./ ± Sec.

RS/O
SP/O

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/103

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 15 APR 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | 250 SCT | 20 | | | 183 | 44 | 22 | 06 | 02 | | 010 | 003 1008 | SH |
| SA | 0147 | 250 SCT | 20 | | | 183 | 42 | 22 | 01 | 05 | | 010 | | SH |
| SA | 0245 | 250 SCT | 20 | | | 186 | 44 | 22 | 09 | 05 | | 011 | | SH |
| SA | 0348 | 250 - SCT | 20 | | | 185 | 43 | 20 | 04 | 07 | | 010 | 002 1008 40 RADAT 42100 | MR |
| SA | 0449 | 250 - OVC | 20 | | | 187 | 42 | 20 | 05 | 05 | | 011 | | MR |
| SA | 0549 | 250 - OVC | 20 | | | 194 | 42 | 21 | 06 | 04 | | 012 | | MR |
| SA | 0646 | 250 - OVC | 20 | | | 198 | 45 | 22 | 04 | 08 | | 013 | 310 1001 | MR |
| SA | 0750 | 250 - OVC | 20 | | | 202 | 50 | 21 | 01 | 04 | | 015 | | MR |
| SA | 0845 | 250 - BKN | 20 | | | 201 | 53 | 22 | 04 | 05 | | 015 | Cu SE | MR |
| SA | 0948 | CLR | 20 | | | 193 | 58 | 19 | 10 | 10 | | 013 | 000 1101 40 | MR |
| SA | 1046 | CLR | 20 | | | 189 | 60 | 13 | 11 | 13 | | 012 | Cu ALQDS | MR |
| SA | 1152 | CLR | 20 | | | 187 | 61 | 18 | 11 | 08 | | 012 | Cu ALQDS | MR |
| SA | 1246 | 90 SCT 250 - BKN | 20 | | | 185 | 62 | 18 | 27 | 04 | | 011 | 607 1104 | MR |
| SA | 1345 | 100 SCT 250 - ~~BKN~~ OVC | 20 | | | 178 | 63 | 16 | 29 | 03 | | 009 | | MR |
| SA | 1449 | 250 - OVC | 20 | | | 167 | 64 | 14 | 13 | 05 | | 006 | FEW Cu | MR |
| SA | 1546 | 250 - BKN | 20 | | | 164 | 64 | 19 | 12 | 04 | | 005 | 619 1108 65 | SH |
| | — | | — | | | — | | | | | | — | RADAT 39085 | — |
| SA | 1645 | 250 - BKN | 20 | | | 164 | 64 | 18 | 09 | 03 | | 005 | | SH |
| SA | 1746 | 250 - OVC | 20 | | | 165 | 61 | 18 | 09 | 08 | | 005 | | SH |
| SA | 1848 | 250 - BKN | 20 | | | 171 | 56 | 20 | 06 | 07 | | 006 | 303 1008 | SH |
| SA | 1947 | 250 - SCT | 20 | | | 178 | 52 | 19 | 06 | 05 | | 008 | | SH |
| SA | 2049 | 250 - SCT | 20 | | | 180 | 50 | 20 | 07 | 05 | | 010 | | SH |
| SA | 2147 | CLR | 20 | | | 182 | 49 | 19 | 10 | 03 | | 011 | 214 1001 65 | SH |
| SA | 2246 | 250 - BKN | 20 | | | 182 | 52 | 16 | 33 | 05 | | 012 | | SH |
| SA | 2345 | 250 - OVC | 20 | | | 190 | 47 | 21 | 12 | 04 | | 013 | | SH |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x h$VV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 15 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.680 | 43.6 | 35.1 | 42 | 3 | 3 | CS | 250 | | | | | | | | | | | | 3 | 0 | .010 | | | 00-01 |
| 01 47 | 26.680 | 42.3 | 34.4 | 44 | 4 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 45 | 26.690 | 43.5 | 35.0 | 42 | 4 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 48 | 26.685 | 42.8 | 34.2 | 40 | 4 | 4 | CS | 250 | | | | | | | | | | | | 2 | 0 | .005 | | | 03-04 |
| 04 49 | 26.690 | 42.0 | 33.7 | 41 | 10 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 49 | 26.705 | 41.6 | 33.7 | 43 | 10 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 46 | 26.715 | 45.2 | 36.0 | 40 | 10 | 10 | CI | 250 | | | | | | | | | | | | 5 | 3 | .030 | | | 06-07 |
| 07 50 | 26.730 | 49.8 | 38.2 | 32 | 10 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 45 | 26.730 | 52.8 | 39.9 | 29 | 7 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 48 | 26.715 | 57.8 | 41.9 | 22 | 0 | 0 | CU | 70 | 0 | CI | 250 | 0 | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 46 | 26.705 | 59.6 | 41.5 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.700 | 60.8 | 42.4 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 46 | 26.695 | 62.0 | 43.6 | 18 | 7 | 1 | CU | 90 | 7 | CI | 250 | 7 | | | | | | | | 2 | 6 | .020 | | | 12-13 |
| 13 45 | 26.675 | 62.7 | 43.6 | 16 | 10 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 49 | 26.650 | 63.6 | 43.6 | 14 | 10 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 46 | 26.640 | 63.6 | 44.7 | 18 | 7 | 0 | CU | 90 | 7 | CS | 250 | 7 | | | | | | | | 1 | 6 | .055 | | | 15-16 |
| 16 45 | 26.640 | 63.7 | 44.5 | 17 | 6 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 46 | 26.640 | 61.0 | 43.2 | 19 | 10 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 48 | 26.650 | 56.4 | 41.3 | 24 | 8 | 8 | CS | 250 | | | | | | | | | | | | 2 | 3 | .010 | | | 18-19 |
| 19 47 | 26.670 | 52.3 | 39.0 | 27 | 5 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 49 | 26.680 | 50.4 | 38.2 | 29 | 4 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 47 | 26.690 | 49.2 | 37.4 | 30 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 46 | 26.700 | 52.2 | 38.4 | 24 | 6 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 45 | 26.710 | 47.4 | 36.8 | 35 | 10 | | | | | | | | | | | | | | | 5 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 44 | 40 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 47 | 40 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 59 | 41 | | 0 | | | | | | | | |
| | 1541 | 3 | 0 | 0 | 0 | 65 | 58 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 64 | 49 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 52 | 47 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0947 | 1543 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.685 | 26.715 | 26.640 | 26.690 |
| BAROGRAPH 64 | 26.685 | 26.710 | 26.630 | 26.685 |
| BAR. CORR. 65 | 0 | +.005 | +.010 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 40 | 0 | 0 | 0 | 17 | E | 1102 | | | | | 7 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0554P ±4 Sec./ 1807P ±4 Sec./ ± Sec.

1345/1345 1152/2355

RS/O
SP/O

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 16 APR 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | 250 - OVC | 20 | | | 187 | 49 | 19 | 12 | 08 | | 013 | 107 1007 | SH |
| SA | 0147 | 250 - BKN | 20 | | | 186 | 50 | 17 | 04 | 05 | | 013 | | SH |
| SA | 0249 | 250 - BKN | 20 | | | 189 | 46 | 19 | 03 | 05 | | 013 | | SH |
| SA | 0347 | 250 - OVC | 20 | | | 190 | 43 | 19 | 04 | 04 | | 013 | 400 1007 43 RADAT 3/082 | MR |
| SA | 0448 | E160 BKN | 20 | | | 189 | 48 | 17 | 04 | 10 | | 013 | | MR |
| SA | 0547 | E170 BKN | 20 | | | 194 | 48 | 19 | 04 | 10 | | 014 | | MR |
| SA | 0646 | 250 - SCT | 20 | | | 202 | 50 | 19 | 03 | 09 | | 016 | 310 1001 | MR |
| SA | 0746 | CLR | 20 | | | 200 | 53 | 19 | 03 | 10 | | 016 | | MR |
| SA | 0848 | CLR | 20 | | | 202 | 60 | 16 | 08 | 09 | | 016 | | MR |
| SA | 0948 | CLR | 20 | | | 195 | 62 | 15 | 09 | 10 | | 015 | 803 42 | MR |
| SA | 1048 | CLR | 20 | | | 190 | 65 | 15 | 10 | 08 | | 014 | | MR |
| SA | 1147 | CLR | 20 | | | 188 | 68 | 15 | 11 | 10 | | 013 | | MR |
| SA | 1249 | CLR | 20 | | | 180 | 68 | 19 | 13 | 04 | | 012 | 810 | MR |
| SA | 1347 | CLR | 20 | | | 170 | 69 | 16 | 04 | 03 | | 009 | | MR |
| SA | 1450 | CLR | 20 | | | 165 | 71 | 19 | 21 | 07 | | 007 | | MR |
| SA | 1547 | CLR | 20 | | | 160 | 70 | 21 | 14 | 07 | | 005 | 720 22 RADAT 41097 | SH |
| SA | 1645 | CLR | 20 | | | 153 | 69 | 19 | 05 | 04 | | 004 | | SH |
| SA | 1746 | CLR | 20 | | | 150 | 68 | 19 | 11 | 08 | | 003 | | SH |
| SA | 1848 | CLR | 20 | | | 153 | 61 | 24 | 05 | 07 | | 003 | 607 | SH |
| SA | 1947 | CLR | 20 | | | 160 | 59 | 20 | 13 | 08 | | 005 | | SH |
| SA | 2045 | CLR | 20 | | | 164 | 53 | 23 | 34 | 05 | | 006 | | SH |
| SA | 2146 | CLR | 20 | | | 166 | 50 | 24 | 33 | 05 | | 007 | 112 72 | SH |
| SA | 2246 | CLR | 20 | | | 164 | 48 | 23 | 31 | 03 | | 006 | | SH |
| SA | 2346 | CLR | 20 | | | 157 | 49 | 22 | 33 | 06 | | 005 | | SH |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 16 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.710 | 49.2 | 37.3 | 29 | 10 | 10 | CS | 250 | | | | | | | | | | | | 5 | 1 | .020 | | | 00-01 |
| 01 47 | 26.710 | 50.3 | 37.5 | 26 | 8 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 49 | 26.710 | 45.7 | 35.6 | 35 | 6 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 47 | 26.710 | 43.0 | 34.1 | 38 | 10 | 10 | CS | 250 | | | | | | | | | | | | 5 | 4 | .000 | | | 03-04 |
| 04 48 | 26.715 | 48.0 | 36.3 | 29 | 9 | | | | | | | | | | | | | | | 7 | | | | | 04-05 |
| 05 47 | 26.725 | 48.2 | 36.8 | 31 | 8 | | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 46 | 26.740 | 50.0 | 37.9 | 29 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 46 | 26.735 | 53.3 | 39.6 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.745 | 59.7 | 42.2 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.730 | 61.8 | 43.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 48 | 26.725 | 64.6 | 44.4 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.715 | 67.7 | 45.8 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.700 | 68.0 | 46.7 | 15 | 0 | | | | | | | | | | | | | | | 0 | 8 | .030 | | | 12-13 |
| 13 47 | 26.675 | 68.8 | 46.5 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.660 | 70.9 | 47.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 47 | 26.640 | 70.2 | 48.0 | 15 | 0 | | | | | | | | | | | | | | | 0 | 7 | .060 | | | 15-16 |
| 16 45 | 26.630 | 69.0 | 47.0 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 46 | 26.620 | 68.3 | 46.7 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.620 | 61.4 | 44.6 | 23 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 18-19 |
| 19 47 | 26.640 | 58.8 | 42.6 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 45 | 26.650 | 52.6 | 40.3 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 46 | 26.655 | 50.0 | 39.0 | 35 | 0 | | | | | | | | | | | | | | | 0 | 1 | .055 | | | 21-22 |
| 22 46 | 26.650 | 48.4 | 38.0 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 46 | 26.640 | 49.1 | 38.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 51 | 43 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 52 | 43 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 62 | 42 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 72 | 62 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 70 | 50 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 50 | 48 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0947 | 1544 | 2143 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.710 | 26.730 | 26.640 | 26.655 |
| BAROGRAPH 64 | 26.700 | 26.735 | 26.630 | 26.645 |
| BAR. CORR. 65 | +.010 | -.005 | +.010 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 42 | 0 | 0 | 0 | 17 | E | 1230 | | | | | 1 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0434P ±4 Sec. 1758P ±4 Sec. ± Sec.

RS/O
SP/O

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 17 APR 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Tens.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Tens.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 156 | 46 | 23 | 12 | 02 | | 004 | 705 | SH |
| SA | 0147 | CLR | 20 | | | 155 | 48 | 23 | 10 | 02 | | 004 | | SH |
| SA | 0248 | CLR | 20 | | | 150 | 46 | 21 | 06 | 04 | | 003 | | SH |
| SA | 0348 | CLR | 20 | | | 146 | 45 | 19 | 03 | 04 | | 002 | 708 44 RADAT 20107 | JD |
| SA | 0449 | CLR | 20 | | | 142 | 48 | 19 | 05 | 06 | | 001 | | JD |
| SA | 0547 | CLR | 20 | | | 146 | 47 | 20 | 00 | 00 | | 002 | | JD |
| SA | 0648 | CLR | 20 | | | 143 | 55 | 20 | 36 | 03 | | 001 | 602 | JD |
| SA | 0747 | CLR | 20 | | | 135 | 59 | 20 | 13 | 09 | | 998 | | JD |
| SA | 0847 | CLR | 20 | | | 131 | 64 | 21 | 11 | 07 | | 997 | | JD |
| SA | 0949 | CLR | 20 | | | 131 | 67 | 19 | 09 | 08 | | 997 | 610 44 | JD |
| SA | 1048 | CLR | 20 | | | 122 | 68 | 18 | 29 | 05 | | 995 | | JD |
| SA | 1148 | CLR | 20 | | | 105 | 71 | 20 | 35 | 03 | | 991 | | JD |
| SA | 1250 | CLR | 20 | | | 083 | 75 | 16 | 10 | 12 G 33 | | 984 | PRESR 841 | JD |
| SA | 1348 | CLR | 20 | | | 074 | 76 | 17 | 14 | 19 | | 982 | | JD |
| SA | 1450 | CLR | 20 | | | 064 | 76 | 17 | 16 | 16 G 28 | | 979 | | JD |
| SA | 1549 | CLR | 20 | | | 053 | 76 | 19 | 18 | 21 G 30 | | 976 | 827 1100 77 RADAT 37105 | JK |
| SA | 1651 | CLR | 20 | | | 049 | 75 | 16 | 18 | 16 G 29 | | 975 | FEW CU AND CI | JK |
| SA | 1748 | 200 SCT | 20 | | | 046 | 71 | 13 | 18 | 14 | | 973 | | JK |
| SA | 1846 | E180 BKN | 20 | | | 048 | 68 | 17 | 22 | 15 | | 975 | 503 1170 | JK |
| SA | 1947 | E180 BKN 250 BKN | 20 | | | 064 | 63 | 26 | 21 | 14 | | 979 | | JK |
| SA | 2048 | E180 OVC | 20 | | | 065 | 61 | 26 | 23 | 14 | | 980 | | JK |
| SA | 2150 | E180 OVC | 20 | | | 065 | 59 | 28 | 21 | 08 | | 980 | 117 157/ 77 | JK |
| SA | 2249 | E140 BKN 180 OVC | 20 | | | 057 | 57 | 28 | 19 | 04 | | 978 | | JK |
| SA | 2347 | E140 BKN 180 OVC | 20 | | | 057 | 57 | 28 | 11 | 03 | | 978 | | JK |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x h$VV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 17 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.630 | 46.3 | 37.0 | 40 | 0 | | | | | | | | | | | | | | | 0 | 7 | .025 | | | 00-01 |
| 01 47 | 26.630 | 47.6 | 37.5 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.620 | 45.8 | 36.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.605 | 45.0 | 35.2 | 35 | 0 | | | | | | | | | | | | | | | 0 | 7 | .025 | | | 03-04 |
| 04 49 | 26.600 | 47.5 | 36.6 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.605 | 46.9 | 36.5 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.600 | 55.0 | 40.6 | 25 | 0 | | | | | | | | | | | | | | | 0 | 6 | .005 | | | 06-07 |
| 07 47 | 26.580 | 58.8 | 42.4 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.570 | 63.7 | 45.1 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.570 | 66.6 | 45.9 | 16 | 0 | | | | | | | | | | | | | | | 0 | 6 | .030 | | | 09-10 |
| 10 48 | 26.545 | 67.7 | 46.3 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.505 | 70.5 | 47.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.450 | 75.4 | 49.3 | 10 | 0 | | | | | | | | | | | | | | | 0 | 8 | .120 | | | 12-13 |
| 13 48 | 26.430 | 76.4 | 50.0 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.400 | 76.1 | 49.8 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 49 | 26.370 | 76.2 | 50.2 | 11 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 8 | .080 | | | 15-16 |
| 16 51 | 26.360 | 74.8 | 49.1 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 48 | 26.350 | 70.7 | 46.7 | 11 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 46 | 26.360 | 67.5 | 46.0 | 14 | 6 | 0 | Cu | 90 | 6 | Ac | E180 | 6 | | | | | | | | 6 | 5 | .010 | | | 18-19 |
| 19 47 | 26.400 | 63.0 | 46.0 | 24 | 7 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 48 | 26.410 | 61.3 | 45.1 | 25 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.410 | 59.0 | 44.8 | 31 | 10 | 0 | Sc | 90 | 10 | Ac | E180 | 10 | | | | | | | | 10 | 1 | .050 | | | 21-22 |
| 22 49 | 26.390 | 57.1 | 43.9 | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 47 | 26.390 | 57.3 | 44.0 | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | 0 | 0 | X | 49 | 44 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 50 | 44 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 67 | 44 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 77 | 67 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 76 | 59 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 59 | 57 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0347 | 0948 | 1545 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.605 | 26.570 | 26.370 | 26.410 |
| BAROGRAPH 64 | 26.600 | 26.565 | 26.360 | 26.400 |
| BAR. CORR. 65 | +.005 | +.005* | +.010 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 44 | 0 | 0 | 0 | 33 | SE | 1242 | | | | | 0 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0456P ±3 Sec./ 1805P ±4 Sec./ ± Sec.

1250/1250

0048/208/0348

*Barograph changed 0951P 0 corr

SP/0

RS/0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/103

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO. DESERT ROCK. NV

DATE: 1983 APR 18

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | E140 OVC | 20 | | | 055 | 57 | 29 | 19 | 12 | | 978 | 607 107/ | JK |
| SA | 0146 | E140 OVC | 20 | | | 043 | 56 | 28 | 21 | 07 | | 974 | | JK |
| SA | 0245 | E120 OVC | 20 | | | 036 | 54 | 34 | 25 | 05 | | 972 | RB22 E28 | JK |
| SA | 0350 | M50 OVC | 20 | | | 034 | 52 | 37 | 23 | 07 | | 972 | RB32E39/61900 102/ 52 | / |
| | | | | | | | | | | | | | RADAT 89082 | JD |
| SA | 0449 | M41 OVC | 7 | | R- | 052 | 49 | 44 | 35 | 02 | | 975 | RB10 | JD |
| SA | 0548 | E50 BKN 90 OVC | 15 | | | 055 | 47 | 43 | 05 | 04 | | 975 | RE37 | JD |
| SA | 0649 | 45 SCT E90 BKN | 20 | | | 053 | 51 | 43 | 20 | 17G30 | | 975 | RWU NW 11207 1550 | JD |
| SA | 0747 | 40 SCT 50 SCT | 20 | | | 062 | 54 | 39 | 21 | 19G29 | | 978 | | JD |
| SA | 0847 | E40 BKN | 20 | | | 073 | 56 | 38 | 20 | 17G28 | | 981 | TCU SE | JD |
| SA | 0948 | 40 SCT 90 SCT | 20 | | | 082 | 57 | 37 | 22 | 19G27 | | 983 | RB26E34/32407 1230 47 | JD |
| SA | 1048 | E40 BKN 90 BKN | 20 | | | 087 | 58 | 36 | 20 | 19G30 | | 984 | | JD |
| SA | 1148 | E45 BKN | 20 | | | 087 | 58 | 35 | 21 | 21G30 | | 984 | | JD |
| SA | 1248 | E45 BKN | 20 | | | 087 | 59 | 34 | 22 | 21G37 | | 985 | *105 1400 *PK WND 2237/48 | JD |
| SA | 1348 | 50 SCT 90 SCT | 20 | | | 087 | 61 | 33 | 24 | 24G33 | | 985 | | JD |
| SA | 1450 | 50 SCT | 20 | | | 081 | 62 | 33 | 23 | 22 | | 983 | | JD |
| SA | 1548 | 50 SCT | 20 | | | 087 | 61 | 34 | 21 | 21 | | 984 | 502 1400 62 RADAT 80082 | JK |
| SA | 1652 | 50 SCT 250 SCT | 20 | | | 093 | 61 | 34 | 19 | 20 | | 985 | | JK |
| SA | 1747 | 50 SCT | 20 | | | 097 | 58 | 33 | 21 | 16 | | 985 | | JK |
| SA | 1848 | 50 SCT | 20 | | | 094 | 56 | 34 | 23 | 10G21 | | 985 | 103 1400 | JK |
| SA | 1945 | CLR | 20 | | | 102 | 54 | 36 | 22 | 16 | | 988 | Sc NW | JK |
| SA | 2049 | CLR | 20 | | | 109 | 52 | 37 | 23 | 12 | | 990 | | JK |
| SA | 2147 | CLR | 20 | | | 108 | 51 | 37 | 23 | 04 | | 990 | 114 62 | JK |
| SA | 2245 | CLR | 20 | | | 115 | 47 | 37 | 04 | 04 | | 991 | | JK |
| SA | 2345 | CLR | 20 | | | 116 | 47 | 39 | 06 | 07 | | 991 | | JK |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 18

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.390 | 56.5 | 43.8 | 35 | 10 | 10 | AC | E140 | | | | | | | | | | | | 10 | 6 | .020 | | | 00-01 |
| 01 46 | 26.360 | 56.0 | 43.2 | 34 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 45 | 26.340 | 54.4 | 44.6 | 46 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 50 | 26.335 | 52.3 | 44.8 | 56 | 10 | 10 | Ns | M50 | | | | | | | | | | | | 10 | 6 | .055 | | | 03-04 |
| 04 49 | 26.370 | 48.5 | 45.9 | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 48 | 26.370 | 47.4 | 45.0 | 84 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 49 | 26.370 | 51.3 | 46.0 | 68 | 6 | 3 | Sc | 45 | 3 | AC | E90 | 6 | | | | | | | | 5 | 1 | .035 | | | 06-07 |
| 07 47 | 26.390 | 54.1 | 46.4 | 57 | 3 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 47 | 26.420 | 55.7 | 46.8 | 52 | 7 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 48 | 26.440 | 56.5 | 46.5 | 47 | 3 | 3 | Cu | 40 | 0 | AC | 90 | 3 | | | | | | | | 3 | 3 | .070 | | | 09-10 |
| 10 48 | 26.450 | 58.2 | 47.1 | 44 | 7 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 48 | 26.450 | 57.8 | 46.4 | 42 | 8 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 48 | 26.455 | 59.2 | 46.6 | 38 | 8 | 8 | Sc | E45 | | | | | | | | | | | | 8 | 1 | .015 | | | 12-13 |
| 13 48 | 26.455 | 61.2 | 47.2 | 34 | 5 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 50 | 26.440 | 62.1 | 47.7 | 33 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 48 | 26.450 | 60.5 | 47.2 | 36 | 4 | 4 | Sc | 50 | | | | | | | | | | | | 4 | 5 | .005 | | | 15-16 |
| 16 52 | 26.460 | 60.5 | 47.2 | 36 | 4 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 47 | 26.460 | 58.0 | 46.0 | 39 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 48 | 26.460 | 55.7 | 45.1 | 44 | 2 | 2 | Sc | 50 | | | | | | | | | | | | 2 | 1 | .010 | | | 18-19 |
| 19 45 | 26.480 | 54.0 | 45.0 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 49 | 26.500 | 52.0 | 44.5 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.500 | 51.2 | 44.2 | 58 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 21-22 |
| 22 45 | 26.510 | 47.0 | 42.3 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.510 | 46.8 | 42.8 | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | T | 0 | X | 57 | 52 | X | X | | | | | | X | | |
| | 0345 | 1 | T | 0 | 0 | 59 | 52 | | 1 | | | | | | | | |
| | 0945 | 2 | .07 | 0 | 0 | 57 | 47 | | 1 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 62 | 57 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 61 | 51 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 51 | 47 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0749 | 0947 | 1545 | 2144 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.335 | 26.440 | 26.450 | 26.500 |
| BAROGRAPH 64 | 26.330 | 26.420 | 26.435 | 26.485 |
| BAR. CORR. 65 | +.005 | +.020 | +.015 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER TOP 75 | FROZEN GROUND LAYER BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 47 | .07 | 0 | 0 | 37 | SW | 1248 | | | | | 5 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0222 | 0228 | | | |
| RW- | 0332 | 0339 | | | |
| R- | 0410 | 0537 | | | |
| RW- | 0926 | 0934 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0456P ⊕3 Sec./ 1900 ⊕4 Sec./ ± Sec.

0649/0649 1248/1248

SP/0

R/S/0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/103

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 19

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 108 | 45 | 38 | 05 | 06 | | 989 | 803 | JK |
| SA | 0147 | CLR | 20 | | | 108 | 43 | 37 | 09 | 02 | | 989 | | JK |
| SA | 0245 | CLR | 20 | | | 112 | 42 | 38 | 12 | 03 | | 990 | | JK |
| SA | 0350 | CLR | 20 | | | 109 | 41 | 38 | 00 | 00 | | 988 | 000 41 20007 | / |
| | | | | | | | | | | | | | RADAT 64084 | JD |
| SA | 0449 | CLR | 20 | | | 114 | 39 | 36 | 23 | 03 | | 990 | | JD |
| SA | 0547 | CLR | 20 | | | 118 | 40 | 37 | 09 | 04 | | 991 | | JD |
| SA | 0647 | CLR | 20 | | | 116 | 46 | 38 | 08 | 03 | | 991 | 307 1005 | JD |
| SA | 0747 | 250 -SCT | 20 | | | 114 | 52 | 37 | 20 | 05 | | 991 | | JD |
| SA | 0848 | 250 -BKN | 20 | | | 113 | 56 | 38 | 33 | 04 | | 991 | FEW cu | JD |
| SA | 0949 | 250 -SCT | 20 | | | 110 | 57 | 37 | 35 | 04 | | 990 | 803 1106 39 | JD |
| SA | 1047 | 50 SCT 250 SCT | 20 | | | 100 | 60 | 36 | 24 | 03 | | 987 | | JD |
| SA | 1147 | 50 SCT 250 -BKN | 20 | | | 093 | 62 | 37 | 20 | 03 G13 | | 985 | | JD |
| SA | 1248 | 55 SCT 250 -OVC | 20 | | | 082 | 66 | 32 | 24 | 09 G19 | | 983 | 722 1107 | JD |
| SA | 1348 | 55 SCT E250 OVC | 20 | | | 070 | 67 | 31 | 24 | 15 G26 | | 979 | | JD |
| SA | 1450 | 60 SCT E250 OVC | 20 | | | 064 | 66 | 32 | 24 | 14 G21 | | 976 | | JD |
| SA | 1549 | 60 SCT E 250 OVC | 20 | | | 057 | 65 | 36 | 24 | 14 | | 974 | 725 1107 67 RADAT 65093 | JK |
| SA | 1653 | 60 SCT 250-BKN | 20 | | | 055 | 64 | 34 | 25 | 10 | | 973 | | JK |
| SA | 1750 | 60 SCT 250-OVC | 20 | | | 052 | 61 | 34 | 26 | 08 | | 972 | | JK |
| SA | 1845 | 60 SCT 250-OVC | 20 | | | 051 | 59 | 33 | 25 | 07 | | 972 | 607 1107 | JK |
| SA | 1945 | 60 SCT 250-BKN | 20 | | | 048 | 58 | 33 | 23 | 08 | | 972 | | JK |
| SA | 2046 | 60 SCT E 250 OVC | 20 | | | 048 | 56 | 34 | 32 | 03 | | 972 | | JK |
| SA | 2148 | E 60 BKN 250 OVC | 20 | | RW- | 038 | 57 | 40 | 03 | 02 | | 970 | RE B30/80700 1407 67 | JK |
| SA | 2247 | 60 SCT E 100 OVC | 20 | | | 028 | 55 | 42 | 33 | 06 | | 968 | RE03 | JK |
| SA | 2345 | 60 SCT E 100 OVC | 20 | | | 028 | 55 | 37 | 28 | 05 | | 968 | | JK |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NV

DATE: 1983 APR 19

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.490 | 45.1 | 41.6 | 76 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 00-01 |
| 01 47 | 26.490 | 43.0 | 40.0 | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.500 | 42.2 | 40.0 | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.490 | 40.9 | 39.3 | 88 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 49 | 26.500 | 38.7 | 37.5 | 91 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.510 | 40.1 | 38.8 | 90 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.510 | 46.0 | 41.9 | 72 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 47 | 26.510 | 51.7 | 44.4 | 57 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.510 | 55.7 | 46.6 | 51 | 7 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 49 | 26.500 | 56.5 | 46.7 | 48 | 3 | 0 | Cu | 50 | 3 | Ci | 250 | 3 | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 47 | 26.475 | 59.9 | 47.7 | 40 | 4 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 47 | 26.460 | 61.9 | 49.0 | 39 | 9 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 48 | 26.435 | 65.8 | 49.1 | 28 | 10 | 3 | Cu | 55 | 10 | Cs | 250 | 10 | | | | | | | | 3 | 7 | .065 | | | 12-13 |
| 13 48 | 26.400 | 66.5 | 49.1 | 27 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 50 | 26.380 | 65.5 | 48.9 | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 49 | 26.360 | 65.0 | 50.0 | 34 | 10 | 3 | Cu | 60 | 10 | Cs | E250 | 10 | | | | | | | | 8 | 7 | .075 | | | 15-16 |
| 16 53 | 26.350 | 64.1 | 49.1 | 32 | 8 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 50 | 26.340 | 61.2 | 47.7 | 36 | 10 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 45 | 26.340 | 58.7 | 46.2 | 38 | 10 | 1 | Cu | 60 | 10 | Cs | 250 | 10 | | | | | | | | 4 | 6 | .020 | | | 18-19 |
| 19 45 | 26.340 | 58.0 | 45.8 | 39 | 9 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 46 | 26.340 | 56.2 | 45.2 | 42 | 10 | | | | | | | | | | | | | | | 7 | | | | | 20-21 |
| 21 48 | 26.320 | 56.8 | 47.8 | 53 | 10 | 8 | Sc | E60 | 2 | Cs | 250 | 10 | | | | | | | | 10 | 8 | .020 | | | 21-22 |
| 22 47 | 26.300 | 55.0 | 48.0 | 61 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 45 | 26.300 | 55.1 | 46.1 | 51 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 47 | 41 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 51 | 41 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 57 | 39 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 67 | 57 | | 0 | | | | | | | | |
| | 2145 | 4 | T | 0 | 0 | 65 | 56 | | 0 | | | | | | | | |
| | MID. | X | T | 0 | 0 | 57 | 55 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0948 | 1545 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.480 | 26.500 | 26.360 | 26.320 |
| BAROGRAPH 64 | 26.475 | 26.480 | 26.340 | 26.310 |
| BAR. CORR. 65 | +.015 | +.020 | +.020 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | 39 | T | 0 | 0 | 30 | SW | 1332 | | | | | 7 | 6 | | |

WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 2130 | 2203 | | | |

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0453P ±4 Sec./ 1800P ±4 Sec./ ± Sec.

2148/2148

SP/0

RS/0

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 20

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 60 SCT E 100 BKN 250 OVC | 20 | | | 027 | 53 | 39 | 28 | 09 | | 968 | 60700 1477 | JK |
| SA | 0150 | 60 SCT 250-BKN | 20 | | | 019 | 52 | 38 | 26 | 10 | | 966 | | JK |
| SA | 0245 | 60SCT E 250 OVC | 20 | | | 016 | 52 | 39 | 30 | 06 | | 964 | | JK |
| SA | 0349 | 50 SCT E 250 OVC | 20 | | | 013 | 51 | 39 | 01 | 02 | | 963 | 61400 15CT 51 RADAT 79076 | OOB |
| SA | 0450 | 50SCT 150SCT E250 OVC | 20 | | | 018 | 50 | 38 | 25 | 07 | | 964 | | OOB |
| SA | 0551 | 50SCT E150 BKN 250 OVC | 20 | | | 028 | 49 | 40 | 31 | 07 | | 967 | | OOB |
| SA | 0644 | E50 BKN 150 BKN 250 OVC | 20 | | | 028 | 50 | 39 | 31 | 05 | | 967 | 110 1557 | OOB |
| SA | 0749 | 50SCT E120 BKN 250 OVC | 20 | | | 026 | 53 | 38 | 20 | 15 | | 967 | | OOB |
| SA | 0848 | E50 BKN 120 BKN 200 OVC | 20 | | | 036 | 54 | 37 | 21 | 09 | | 969 | | OOB |
| SA | 0950 | E50 BKN 120 OVC | 20 | | | 040 | 53 | 38 | 22 | 09G16 | | 970 | 310 1551 48 | OOB |
| SA | 1048 | E50 BKN 120 BKN 200 OVC | 20 | | | 040 | 55 | 37 | 21 | 14 | | 970 | | OOB |
| SA | 1150 | E50 BKN 100 BKN 200 OVC | 20 | | | 043 | 55 | 37 | 20 | 14G20 | | 971 | SWU S | OOB |
| SA | 1251 | 20SCT E40 BKN 100 BKN 200 OVC | 20 | | | 051 | 51 | 40 | 21 | 15G21 | | 972 | 307 1857 | OOB |
| SA | 1350 | 20SCT E40 BKN 100 BKN 200 OVC | 20 | | | 050 | 51 | 37 | 19 | 15G20 | | 972 | | OOB |
| SA | 1444 | 20 SCT E50 BKN 100 BKN 200 OVC | 20 | | | 051 | 50 | 38 | 14 | 10 | | 972 | | OOB |
| SA | 1550 | 50 SCT E140 BKN 200 OVC | 20 | | | 050 | 54 | 33 | 22 | 05 | | 972 | 400 1577 58 RADAT 79076 | WRC |
| SA | 1650 | 50 SCT E140 BKN 200 BKN | 20 | | | 055 | 53 | 37 | 23 | 12 | | 973 | RWU NW | WRC |
| SA | 1750 | E50 BKN 200 BKN | 20 | | | 064 | 51 | 39 | 21 | 14 | | 975 | | WRC |
| SA | 1850 | 30 SCT 40 SCT E140 BKN 200 BKN | 20 | | | 071 | 48 | 42 | 12 | 10 | | 977 | CB SW MOVG N OCNL LTGIC | — |
| — | — | | | | | | | | | | | | 215 1378 | WRC |
| SA | 1950 | 40 SCT E140 BKN 200 BKN | 20 | | | 071 | 48 | 41 | 16 | 09 | | 978 | CB SW DSIPTD | WRC |
| SA | 2050 | 40 SCT E140 BKN | 20 | | | 075 | 47 | 39 | 12 | 09 | | 979 | | WRC |
| SA | 2150 | 40 SCT E140 BKN | 20 | | | 079 | 45 | 40 | 13 | 07 | | 980 | 208 1470 58 | WRC |
| SA | 2250 | 40 SCT E140 BKN | 20 | | | 083 | 46 | 40 | 12 | 06 | | 981 | | WRC |
| SA | 2350 | E40 BKN 140 OVC | 20 | | | 086 | 46 | 40 | 19 | 03 | | 982 | | WRC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 29

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.300 | 53.2 | 46.0 | 59 | 10 | 2 | SC | 60 | 5 | AC | E100 | 7 | 3 | CS | 250 | 10 | | | | 9 | 6 | .020 | | | 00-01 |
| 01 50 | 26.280 | 52.1 | 45.0 | 59 | 7 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 45 | 26.270 | 51.6 | 45.1 | 61 | 10 | | | | | | | | | | | | | | | 8 | | | | | 02-03 |
| 03 49 | 26.260 | 51.1 | 44.9 | 63 | 10 | 4 | SC | 50 | 6 | CS | E250 | 10 | | | | | | | | 10 | 6 | .040 | | | 03-04 |
| 04 50 | 26.270 | 50.0 | 44.0 | 63 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 51 | 26.290 | 48.6 | 44.0 | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 44 | 26.290 | 49.9 | 44.2 | 65 | 10 | 6 | SC | E50 | 1 | AC | 150 | 7 | 3 | CS | 250 | 10 | | | | 10 | 1 | .030 | | | 06-07 |
| 07 49 | 26.290 | 52.9 | 45.3 | 56 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 48 | 26.310 | 53.5 | 45.4 | 54 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 50 | 26.320 | 53.3 | 45.6 | 56 | 10 | 7 | SC | E50 | 3 | AC | 120 | 10 | | | | | | | | 10 | 3 | .030 | | | 09-10 |
| 10 48 | 26.320 | 54.5 | 45.8 | 52 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 50 | 26.330 | 55.1 | 45.9 | 50 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 51 | 26.340 | 51.1 | 45.6 | 66 | 10 | 1 | CU | 20 | 6 | SC | E40 | 7 | 2 | AC | 100 | 9 | 1 | CS | 100 | 10 | 3 | .020 | | | 12-13 |
| 13 50 | 26.340 | 51.3 | 44.1 | 57 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 44 | 26.340 | 50.2 | 44.0 | 62 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 50 | 26.340 | 53.8 | 44.0 | 46 | 10 | 3 | SC | 50 | 6 | AC | E140 | 9 | 1 | CS | 200 | 10 | | | | 10 | 4 | .000 | | | 15-16 |
| 16 50 | 26.350 | 53.2 | 45.1 | 54 | 9 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 50 | 26.370 | 51.4 | 45.2 | 63 | 8 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 50 | 26.385 | 48.0 | 45.0 | 80 | 8 | 1 | CB | 30 | 4 | SC | 40 | 5 | 2 | AC | E140 | 7 | 1 | CS | 200 | 7 | 2 | .045 | | | 18-19 |
| 19 50 | 26.350 | 47.6 | 44.3 | 78 | 8 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 50 | 26.400 | 47.2 | 43.3 | 74 | 7 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 50 | 26.410 | 45.2 | 42.7 | 83 | 6 | 2 | SC | 40 | 4 | AC | E140 | 6 | | | | | | | | 6 | 2 | .025 | | | 21-22 |
| 22 50 | 26.420 | 45.8 | 42.9 | 80 | 6 | | | | | | | | | | | | | | | 7 | | | | | 22-23 |
| 23 50 | 26.430 | 46.3 | 43.4 | 80 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0341 | X | 0 | 0 | X | 55 | 51 | X | X | | | | | | X | | |
| | 0341 | 1 | T | 0 | 0 | 57 | 51 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 56 | 48 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 58 | 50 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 59 | 45 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 45 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0949 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.260 | 26.320 | 26.340 | 26.410 |
| BAROGRAPH 64 | 26.255 | 26.310 | 26.320 | 26.380 |
| BAR. CORR. 65 | +.005 | +.010 | +.020 | +.030 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 45 | 0 | 0 | 0 | 21 | SW | 1247 | | | | | 10 | 9 | | |

### WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 1205P ±4 Sec./ 2252P ±4 Sec./ ± Sec.

SP/O
RS/O

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 21

TO CONVERT LST TO GMT ADD 6 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB-SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | E40 BKN 140 BKN | 20 | | RW- | 085 | 45 | 43 | 03 | 06 | | 981 | RB19 00300 1770 | WRG |
| SA | 0150 | E40 BKN 120 BKN | 20 | | | 085 | 45 | 42 | 12 | 11 | | 981 | RE08 | WRG |
| SA | 0250 | E40 BKN 120 OVC | 20 | | RW- | 086 | 45 | 44 | 13 | 09 | | 981 | RB19 | WRG |
| RS | 0350 | E25BKN 120 OVC | 20 | | | 088 | 44 | 44 | 10 | 06 | | 982 | RE40 30305 176 / 43 | — |
| | | | | | | | | | | | | | 20005 RADAT 99070 | 008 |
| SA | 0450 | E25 BKN 40 OVC | 15 | | RW- | 089 | 43 | 43 | 12 | 02 | | 982 | RB40 | 008 |
| SA | 0551 | E25 BKN 40 BKN 100 OVC | 20 | | | 097 | 44 | 43 | 05 | 03 | | 984 | RE30 | 008 |
| SP | 0630 | 25SCT E40 BKN 100 BKN | 20 | | | | | | 03 | 03 | | 985 | | 008 |
| SA | 0649 | 20SCT E40 BKN 100 BKN | 20 | | | 101 | 45 | 44 | 35 | 03 | | 985 | 31002 1460 | 008 |
| SA | 0750 | 20SCT E40 BKN 100 OVC | 20 | | | 106 | 46 | 42 | 22 | 03 | | 986 | BINOVC | 008 |
| SA | 0852 | 25SCT 40SCT E80 BKN 200 OVC | 20 | | | 108 | 49 | 42 | 23 | 06 | | 987 | BINOVC | 008 |
| SA | 0948 | 30SCT E80 BKN 200 BKN | 20 | | | 113 | 51 | 43 | 23 | 11 | | 988 | TCU NW-NE 21002 1202 43 | 008 |
| SA | 1052 | E30 BKN 80 BKN 200 OVC | 20 | | | 111 | 52 | 42 | 22 | 10 | | 988 | BINOVC | 008 |
| SA | 1144 | 30SCT E80 BKN 200 BKN | 20 | | | 105 | 54 | 42 | 22 | 12 | | 987 | | 008 |
| SA | 1251 | E30 BKN 80 BKN 200 BKN | 20 | | | 105 | 57 | 41 | 21 | 11 G17 | | 987 | RWU N 803 1202 | 008 |
| SA | 1349 | 30SCT 80SCT E 200 OVC | 20 | | | 105 | 56 | 41 | 23 | 12 | | 987 | BINOVC RWU N | 008 |
| SA | 1448 | 30SCT E80 BKN 200 OVC | 20 | | | 100 | 57 | 42 | 21 | 10 G15 | | 986 | | 008 |
| SA | 1550 | E 80 BKN 230 BKN | 20 | | | 109 | 58 | 38 | 22 | 11 | | 988 | 303 1201 60 RADAT 88031 | WRG |
| SA | 1650 | E 80 BKN 230 BKN | 20 | | | 107 | 58 | 39 | 20 | 08 | | 988 | | WRG |
| SA | 1750 | 30 SCT E 80 BKN 230 BKN | 20 | | | 114 | 55 | 39 | 21 | 06 | | 990 | | WRG |
| SA | 1850 | 40 SCT E120 BKN 250 BKN | 20 | | | 121 | 54 | 41 | 23 | 07 | | 992 | 310 1361 | WRG |
| SA | 1950 | 120 SCT 250 - BKN | 20 | | | 129 | 52 | 41 | 23 | 05 | | 994 | CB N DSIPID | WRG |
| SA | 2050 | 120 SCT 250 - SCT | 20 | | | 137 | 45 | 41 | 36 | 07 | | 996 | | WRG |
| SA | 2150 | 250 - SCT | 20 | | | 137 | 47 | 42 | 03 | 07 | | 996 | 114 1001 60 | WRG |
| SA | 2250 | 140 SCT 250 SCT | 20 | | | 144 | 46 | 41 | 10 | 05 | | 998 | | WRG |
| SA | 2350 | 140 SCT | 20 | | | 146 | 46 | 42 | 09 | 07 | | 999 | | WRG |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 21

To convert LST to GMT ADD 5 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.420 | 45.4 | 44.0 | 90 | 9 | 6 | CUFRA | E40 | 3 | AC | 140 | 9 | | | | | | | | 9 | 0 | .010 | | | 00-01 |
| 01 50 | 26.420 | 45.4 | 43.8 | 89 | 7 | | | | | | | | | | | | | | | 6 | | | | | 01-02 |
| 02 50 | 26.420 | 45.3 | 44.8 | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 50 | 26.430 | 43.9 | 43.9 | 100 | 10 | 8 | CUFRA | E25 | 2 | AC | 120 | 10 | | | | | | | | 10 | 3 | .010 | | | 03-04 |
| 04 50 | 26.430 | 43.2 | 43.2 | 100 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 51 | 26.450 | 43.8 | 43.3 | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 49 | 26.460 | 44.5 | 44.3 | 96 | 9 | 2 | CUFRA | 20 | 5 | SC | E40 | 7 | 2 | AC | 100 | 9 | | | | 9 | 3 | .030 | | | 06-07 |
| 07 50 | 26.470 | 45.5 | 43.8 | 88 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 52 | 26.480 | 48.9 | 45.3 | 77 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 48 | 26.490 | 51.2 | 46.6 | 72 | 8 | 1 | CUFRA | 30 | 6 | CU | E80 | 7 | 1 | CI | 200 | 8 | | | | 8 | 2 | .030 | | | 09-10 |
| 10 52 | 26.490 | 52.2 | 46.9 | 69 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 44 | 26.480 | 54.4 | 47.6 | 62 | 9 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 51 | 26.480 | 56.8 | 48.6 | 56 | 9 | 6 | CU | E30 | 2 | CU | 80 | 8 | 1 | CI | 200 | 9 | | | | 9 | 8 | .010 | | | 12-13 |
| 13 49 | 26.480 | 55.5 | 48.0 | 59 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 48 | 26.470 | 57.3 | 49.1 | 57 | 10 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 50 | 26.490 | 58.3 | 48.0 | 47 | 8 | 6 | CU | E80 | 2 | CI | 230 | 8 | | | | | | | | 7 | 3 | .010 | | | 15-16 |
| 16 50 | 26.485 | 57.8 | 48.0 | 49 | 9 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 50 | 26.500 | 55.2 | 47.0 | 55 | 8 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 50 | 26.520 | 54.2 | 47.1 | 60 | 9 | 2 | CB | 40 | 5 | AC | E120 | 7 | 2 | CI | 250 | 9 | | | | 8 | 3 | .030 | | | 18-19 |
| 19 50 | 26.540 | 52.3 | 46.3 | 65 | 7 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.560 | 49.0 | 45.0 | 74 | 4 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 50 | 26.560 | 46.6 | 44.0 | 82 | 2 | 2 | CI | 250 | | | | | | | | | | | | 1 | 1 | .040 | | | 21-22 |
| 22 50 | 26.575 | 46.1 | 43.3 | 81 | 4 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 50 | 26.585 | 45.8 | 44.0 | 87 | 4 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0340 | X | .05 | 0 | X | 46 | 43 | X | X | | | | | | X | | |
| | 0340 | 1 | .05 | 0 | 0 | 46 | 43 | | 1 | | | | | | | | |
| | 0941 | 2 | .02 | 0 | 0 | 54 | 43 | | 1 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 60 | 51 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 58 | 47 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 45 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0947 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.430 | 26.490 | 26.490 | 26.560 |
| BAROGRAPH 64 | 26.400 | 26.470 | 26.470 | 26.540 |
| BAR. CORR. 65 | +.030 | +.020 | +.020 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 43 | .07 | 0 | 0 | 17 | SW | 1247 | | | | | 9 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0019 | 0108 | | | |
| RW- | 0219 | 0340 | | | |
| RW- | 0440 | 0530 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0616P ±4 Sec./ 2323P ±4 Sec./ ± Sec.

1000P - CHANGED BAROGRAM

1550/2355 988 1650/2355 988 2050/2355 49

S/P = 1

R/S = 1

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK. NV

DATE: 1983 APR 22

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 145 | 44 | 41 | 06 | 04 | | 999 | 108 | WRG |
| SA | 0150 | CLR | 20 | | | 150 | 41 | 40 | 09 | 06 | | 999 | | WRG |
| SA | 0250 | CLR | 20 | | | 152 | 42 | 41 | 09 | 08 | | 001 | FEW AC | WRG |
| SA | 0351 | CLR | 20 | | | 152 | 42 | 41 | 07 | 06 | | 001 | 105 1040 41 RADAT84088 | 008 |
| SA | 0450 | CLR | 20 | | | 160 | 42 | 41 | 09 | 06 | | 003 | 20002 | 008 |
| SA | 0549 | CLR | 20 | | | 163 | 46 | 42 | 09 | 02 | | 004 | | 008 |
| SA | 0645 | CLR | 20 | | | 165 | 50 | 43 | 29 | 02 | | 005 | 114 | 008 |
| SA | 0750 | CLR | 20 | | | 171 | 54 | 40 | 23 | 02 | | 007 | | 008 |
| SA | 0849 | CLR | 20 | | | 176 | 55 | 41 | 24 | 05 | | 008 | FEW CU 5 | 008 |
| SA | 0945 | 250 - SCT | 20 | | | 175 | 60 | 42 | 22 | 06 | | 008 | 110 1101 41 | 008 |
| SA | 1052 | 60 SCT 250 - BKN | 20 | | | 171 | 61 | 41 | 20 | 06 | | 007 | | 008 |
| SA | 1145 | 60 SCT 250 - OVC | 20 | | | 162 | 65 | 41 | 23 | 10 | | 005 | | 008 |
| SA | 1244 | 60 SCT 250 - OVC | 20 | | | 158 | 66 | 39 | 23 | 12 | | 004 | 7141201 | 008 |
| SA | 1350 | 60 SCT 250 - BKN | 20 | | | 150 | 67 | 39 | 22 | 15G24 | | 002 | | 008 |
| SA | 1449 | 60 SCT 250 - BKN | 20 | | | 150 | 68 | 35 | 20 | 16G21 | | 002 | | 008 |
| SA | 1550 | 60 SCT 250 - BKN | 20 | | | 141 | 69 | 37 | 23 | 14G24 | | 999 | 714 1201 70 RADAT 75098 | WRG |
| SA | 1650 | 60 SCT 250 - BKN | 20 | | | 142 | 68 | 37 | 21 | 14 | | 999 | | WRG |
| SA | 1750 | 60 SCT 250 - BKN | 20 | | | 149 | 65 | 36 | 19 | 15 | | 002 | | WRG |
| SA | 1850 | 60 SCT 250 - OVC | 20 | | | 149 | 62 | 39 | 21 | 10 | | 002 | 107 1401 | WRG |
| SA | 1950 | 250 - OVC | 20 | | | 156 | 59 | 34 | 23 | 04 | | 004 | | WRG |
| SA | 2050 | 250 - OVC | 20 | | | 162 | 57 | 35 | 25 | 03 | | 005 | | WRG |
| SA | 2150 | 250 - OVC | 20 | | | 160 | 54 | 37 | 03 | 04 | | 005 | 110 1007 70 | WRG |
| SA | 2250 | 250 - OVC | 20 | | | 158 | 54 | 38 | 12 | 06 | | 005 | | WRG |
| SA | 2350 | 250 - BKN | 20 | | | 159 | 51 | 39 | 32 | 04 | | 005 | | WRG |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MFI-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 22

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.585 | 43.4 | 42.5 | 91 | 0 | | | | | | | | | | | | | | | 0 | 1 | .025 | | | 00-01 |
| 01 50 | 26.590 | 41.4 | 41.0 | 96 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.600 | 42.4 | 41.9 | 96 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.600 | 42.0 | 41.6 | 97 | 0 | 0 | AC | 120 | | | | | | | | | | | | 0 | 1 | .015 | | | 03-04 |
| 04 50 | 26.620 | 42.2 | 41.8 | 97 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.630 | 46.3 | 44.2 | 86 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.640 | 49.6 | 45.9 | 77 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 06-07 |
| 07 50 | 26.660 | 54.3 | 47.0 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.670 | 55.4 | 47.9 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.670 | 59.8 | 50.0 | 51 | 2 | 0 | cu | 60 | 2 | ci | 250 | 2 | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 10 52 | 26.660 | 60.9 | 50.0 | 47 | 8 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 45 | 26.640 | 64.6 | 51.8 | 42 | 10 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 44 | 26.630 | 65.7 | 51.4 | 37 | 10 | 2 | cu | 60 | 8 | ci | 250 | 10 | | | | | | | | 3 | 7 | .040 | | | 12-13 |
| 13 50 | 26.610 | 67.4 | 52.1 | 35 | 7 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 49 | 26.610 | 68.0 | 50.9 | 30 | 8 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 50 | 26.590 | 69.6 | 52.0 | 32 | 8 | 4 | cu | 60 | 4 | ci | 250 | 8 | | | | | | | | 4 | 7 | .040 | | | 15-16 |
| 16 50 | 26.590 | 67.7 | 51.5 | 32 | 7 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 50 | 26.610 | 64.8 | 50.0 | 35 | 6 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 50 | 26.610 | 62.0 | 50.0 | 43 | 10 | 2 | sc | 60 | 10 | ci | 250 | 10 | | | | | | | | 3 | 1 | .020 | | | 18-19 |
| 19 50 | 26.630 | 59.2 | 46.9 | 39 | 10 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 50 | 26.640 | 56.9 | 46.0 | 44 | 10 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 50 | 26.640 | 53.9 | 45.5 | 53 | 10 | 10 | cs | 250 | | | | | | | | | | | | 4 | 1 | .030 | | | 21-22 |
| 22 50 | 26.640 | 53.9 | 45.7 | 54 | 10 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 50 | 26.640 | 51.0 | 45.0 | 64 | 9 | | | | | | | | | | | | | | | 4 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 46 | 41 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 47 | 41 | | 0 | | | | | | | | |
| | 0940 | 2 | 0 | 0 | 0 | 61 | 42 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 70 | 60 | | 0 | | | | | | | | |
| | 2146 | * | 0 | 0 | 0 | 69 | 54 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 54 | 51 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0944 | 1548 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.670 | 26.590 | 26.640 |
| BAROGRAPH 64 | 26.585 | 26.660 | 26.585 | 26.615 |
| BAR. CORR. 65 | +.015 | +.010 | +.005 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | 41 | 0 | 0 | 0 | 24 | SW | 1548* | | | | | 4 | 5 | | |

### WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0805P @ 4 Sec./ 2310P @ 4 Sec./ ± Sec.

*Last of Several Occurrences

0351/20002/0700

SP/0

RS/0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 23

TO CONVERT LST TO GMT: ADD 6 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 250 - BKN | 20 | | | 154 | 52 | 38 | 06 | 05 | | 004 | 803 1008 | RC |
| SA | 0150 | 250 - BKN | 20 | | | 150 | 49 | 38 | 33 | 06 | | 003 | | RC |
| SA | 0250 | 250 - BKN | 20 | | | 148 | 48 | 38 | 08 | 06 | | 002 | | RC |
| SA | 0350 | 250 - BKN | 20 | | | 151 | 47 | 39 | 06 | 02 | | 003 | 503 1008 ~~42~~ 47 RADAT 20102 | 008 |
| SA | 0448 | 250 - BKN | 20 | | | 153 | 45 | 39 | 31 | 03 | | 003 | COR (1205) | 008 |
| SA | 0545 | 250 - BKN | 20 | | | 154 | 45 | 40 | 07 | 04 | | 003 | | 008 |
| SA | 0649 | 250 - BKN | 20 | | | 153 | 54 | 40 | 21 | 02 | | 003 | 400 1001 | 008 |
| SA | 0744 | 250 - BKN | 20 | | | 146 | 59 | 41 | 23 | 04 | | 002 | | 008 |
| SA | 0852 | 250 - BKN | 20 | | | 148 | 63 | 38 | 21 | 02 | | 003 | | 008 |
| SA | 0950 | 250 - BKN | 20 | | | 145 | 65 | 36 | 21 | 11 G 18 | | 002 | 703 1001 45 | 008 |
| SA | 1047 | 250 - OVC | 20 | | | 131 | 69 | 34 | 19 | 21 G 30 | | 998 | FEW CU N | 008 |
| SA | 1150 | 250 - OVC | 20 | | | 121 | 71 | 31 | 19 | 19 G 25 | | 995 | FEW CU N | 008 |
| SA | 1246 | 250 - BKN | 20 | | | 119 | 72 | 36 | 20 | 19 G 27 | | 995 | 620 1001 | 008 |
| SA | 1352 | 250 - BKN | 20 | | | 105 | 73 | 25 | 17 | 20 G 31 | | 991 | | 008 |
| SA | 1443 | 250 - SCT | 20 | | | 109 | 73 | 20 | 17 | 18 G 26 | | 992 | FEW CU N | 008 |
| SA | 1550 | CLR | 20 | | | 100 | 71 | 27 | 20 | 18 G 31 | | 998 | 720 1100 73 RADAT 20109 | RC |
| SA | 1650 | CLR | 20 | | | 098 | 70 | 29 | 21 | 18 G 28 | | 987 | | RC |
| SA | 1750 | CLR | 20 | | | 097 | 67 | 33 | 20 | 20 | | 987 | | RC |
| SA | 1850 | CLR | 20 | | | 092 | 66 | 34 | 18 | 13 | | 986 | 707 1100 | RC |
| SA | 1950 | CLR | 20 | | | 088 | 65 | 33 | 21 | 14 | | 986 | | RC |
| SA | 2050 | CLR | 20 | | | 087 | 62 | 23 | 20 | 07 | | 986 | | RC |
| SA | 2150 | CLR | 20 | | | 087 | 60 | 26 | 20 | 13 G 26 | | 986 | 400 1005 73 | RC |
| SA | 2250 | CLR | 20 | | | 086 | 59 | 22 | 19 | 14 G 25 | | 986 | | RC |
| SA | 2350 | CLR | 20 | | | 092 | 56 | 28 | 19 | 18 G 28 | | 988 | | RC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 23

To convert LST to GMT ADD 6 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.630 | 51.5 | 44.9 | 61 | 9 | 9 | CS | 250 | | | | | | | | | | | | 4 | 8 | .010 | | | 00-01 |
| 01 50 | 26620 | 49.2 | 43.7 | 66 | 7 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 50 | 26.610 | 47.8 | 43.0 | 69 | 6 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 50 | 26.620 | 47.0 | 42.9 | 73 | 8 | 8 | CS | 250 | | | | | | | | | | | | 3 | 5 | .010 | | | 03-04 |
| 04 48 | 26.620 | 45.4 | 42.2 | 78 | 8 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 45 | 26.620 | 45.3 | 42.6 | 81 | 8 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 49 | 26.620 | 54.2 | 46.7 | 58 | 8 | 8 | ci | 250 | | | | | | | | | | | | 2 | 4 | .000 | | | 06-07 |
| 07 44 | 26.610 | 59.0 | 49.3 | 51 | 8 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 52 | 26.620 | 62.9 | 50.0 | 40 | 8 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 50 | 26.610 | 65.1 | 50.0 | 34 | 8 | 8 | ci | 250 | | | | | | | | | | | | 3 | 7 | .010 | | | 09-10 |
| 10 47 | 26.580 | 68.9 | 51.0 | 28 | 10 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 50 | 26.550 | 71.1 | 51.0 | 23 | 10 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 46 | 26.550 | 72.1 | 53.0 | 27 | 8 | 8 | ci | 250 | | | | | | | | | | | | 3 | 6 | .060 | | | 12-13 |
| 13 52 | 26.510 | 72.6 | 50.0 | 17 | 8 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 43 | 26.520 | 72.9 | 49.1 | 14 | 3 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 50 | 26.490 | 71.3 | 49.9 | 19 | 0 | 0 | cu | 60 | | | | | | | | | | | | 0 | 7 | .060 | | | 15-16 |
| 16 50 | 26.450 | 70.0 | 50.0 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.475 | 67.4 | 49.9 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.470 | 65.4 | 49.7 | 31 | 0 | 0 | cu | 60 | | | | | | | | | | | | 0 | 7 | .020 | | | 18-19 |
| 19 50 | 26.470 | 64.9 | 48.9 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.470 | 61.6 | 44.3 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.470 | 60.3 | 44.8 | 27 | 0 | 0 | ci | 250 | | | | | | | | | | | | 0 | 4 | .000 | | | 21-22 |
| 22 50 | 26.470 | 58.6 | 42.9 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.455 | 55.8 | 43.3 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 52 | 47 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 54 | 47 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 66 | 45 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 73 | 65 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 71 | 60 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 60 | 56 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0949 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.620 | 26.610 | 26.490 | 26.470 |
| BAROGRAPH 64 | 26.600 | 26.600 | 26.470 | 26.455 |
| BAR. CORR. 65 | +.020 | +.010 | +.020 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 45 | 0 | 0 | 0 | 32 | 5 | 1501 | | | | | 6 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0830P ±4 Sec. 2300P ±4 Sec. ± Sec.

0350/0405

2050/2355

S/P: 0

R/S: 0

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 24

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 096 | 55 | 24 | 21 | 18 | G29 | 989 | 308 1005 | WRG |
| SA | 0150 | CLR | 20 | | | 087 | 55 | 21 | 19 | 16 | G24 | 986 | | WRG |
| SA | 0250 | CLR | 20 | | | 083 | 55 | 25 | 19 | 21 | G33 | 985 | | WRG |
| SA | 0350 | CLR | 20 | | | 076 | 54 | 33 | 19 | 22 | G30 | 983 | 819 54 RADAT 31098 | EP |
| SA | 0448 | CLR | 20 | | | 086 | 53 | 32 | 20 | 19 | G29 | 985 | | EP |
| SA | 0549 | CLR | 20 | | | 093 | 53 | 33 | 21 | 20 | G26 | 987 | | EP |
| SA | 0650 | CLR | 20 | | | 099 | 54 | 35 | 18 | 17 | G25 | 988 | 117 1500 | EP |
| SA | 0749 | CLR | 20 | | | 097 | 58 | 34 | 20 | 16 | G24 | 988 | | EP |
| SA | 0849 | CLR | 20 | | | 106 | 57 | 34 | 20 | 15 | G26 | 991 | | EP |
| SA | 0948 | CLR | 20 | | | 106 | 59 | 34 | 20 | 21 | G32 | 991 | 107 1100 53 | EP |
| SA | 1047 | CLR | 20 | | | 098 | 63 | 35 | 22 | 23 | G28 | 988 | | EP |
| SA | 1146 | CLR | 20 | | | 095 | 64 | 34 | 22 | 18 | G29 | 987 | | EP |
| SA | 1247 | CLR | 20 | | | 087 | 64 | 33 | 19 | 16 | | 985 | 817 1100 | EP |
| SA | 1346 | 50 SCT | 20 | | | 081 | 66 | 29 | 20 | 20 | G30 | 983 | | EP |
| SA | 1450 | 50 SCT | 20 | | | 074 | 65 | 28 | 21 | 16 | G27 | 981 | | EP |
| SA | 1553 | CLR | 20 | | | 064 | 66 | 32 | 22 | 17 | G24 | 979 | 820 1100 67 RADAT | JC |
| / | | | | | | | | | | | | | 66089 | / |
| SA | 1650 | CLR | 20 | | | 064 | 65 | 28 | 23 | 17 | G27 | 978 | | JC |
| SA | 1754 | CLR | 20 | | | 067 | 62 | 24 | 22 | 14 | G26 | 978 | | JC |
| SA | 1853 | CLR | 20 | | | 061 | 58 | 28 | 22 | 16 | G25 | 976 | 807 | JC |
| SA | 1954 | CLR | 20 | | | 064 | 57 | 22 | 22 | 11 | G18 | 978 | | JC |
| SA | 2053 | CLR | 20 | | | 073 | 54 | 32 | 21 | 08 | | 980 | | JC |
| SA | 2152 | CLR | 20 | | | 066 | 53 | 31 | 18 | 10 | | 978 | 003 67 | JC |
| SA | 2253 | CLR | 20 | | | 059 | 52 | 29 | 18 | 13 | | 977 | | JC |
| SA | 2354 | CLR | 20 | | | 056 | 52 | 27 | 20 | 10 | | 976 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Miii $R_{ix}hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPF $5a_{pp}$ $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ U.S. G.P.O. 1982-564-008/1123

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 24

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| Hr. | Time (L.S.T.) 16 | Station Pressure (Ins.) 17 | Dry Bulb (°F) 18 | Wet Bulb (°F) 19 | Rel. Humidity (%) 20 | Total Sky Cover 21 | Clouds and Obscuring Phenomena: Lowest Layer Amt. 22 | Lowest Layer Type 23 | Lowest Layer Height 24 | Second Layer Amt. 25 | Second Layer Type 26 | Second Layer Height 27 | Summation Total 28 | Third Layer Amt. 29 | Third Layer Type 30 | Third Layer Height 31 | Summation Total 32 | Fourth Layer Amt. 33 | Fourth Layer Type 34 | Fourth Layer Height 35 | Total Opaque Sky Cover 36 | Pressure Tendency 37 | Net 3-Hr. Change (Ins.) 38 | Sunshine (Min.) 39 | Precipitation (Ins.) 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00-01 | 50 | 26.495 | 54.7 | 41.5 | 30 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .025 | | |
| 01-02 | 50 | 26.470 | 54.8 | 40.6 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 02-03 | 50 | 26.460 | 54.9 | 41.8 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 03-04 | 50 | 26.440 | 54.0 | 43.8 | 44 | 0 | | | | | | | | | | | | | | | 0 | 8 | .055 | | |
| 04-05 | 48 | 26.460 | 52.7 | 43.0 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 05-06 | 49 | 26.475 | 52.6 | 43.2 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 06-07 | 50 | 26.490 | 53.9 | 44.8 | 49 | 0 | 0 | SC | 30 | | | | | | | | | | | | 0 | 1 | .050 | | |
| 07-08 | 49 | 26.490 | 57.9 | 46.1 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 08-09 | 49 | 26.510 | 57.3 | 45.8 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 09-10 | 48 | 26.510 | 59.0 | 46.6 | 39 | 0 | 0 | CU | 40 | | | | | | | | | | | | 0 | 1 | .020 | | |
| 10-11 | 47 | 26.490 | 62.7 | 48.5 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 11-12 | 46 | 26.480 | 63.5 | 48.5 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 12-13 | 47 | 26.460 | 64.0 | 48.5 | 31 | 0 | 0 | CU | 50 | | | | | | | | | | | | 0 | 8 | .050 | | |
| 13-14 | 46 | 26.445 | 66.3 | 48.3 | 24 | 1 | | | | | | | | | | | | | | | 1 | | | | |
| 14-15 | 50 | 26.425 | 65.2 | 47.6 | 25 | 1 | | | | | | | | | | | | | | | 1 | | | | |
| 15-16 | 53 | 26.400 | 65.5 | 48.8 | 28 | 0 | 0 | CU | 50 | | | | | | | | | | | | 0 | 8 | .060 | | |
| 16-17 | 50 | 26.395 | 65.2 | 47.5 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 17-18 | 54 | 26.395 | 61.8 | 44.8 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 18-19 | 53 | 26.380 | 58.4 | 44.4 | 31 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | |
| 19-20 | 54 | 26.390 | 56.5 | 42.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 20-21 | 53 | 26.410 | 53.7 | 43.4 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 21-22 | 52 | 26.390 | 52.6 | 42.6 | 44 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | |
| 22-23 | 53 | 26.380 | 52.4 | 41.8 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | |
| 23-24 | 54 | 26.370 | 51.7 | 41.0 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | |

## SYNOPTIC OBSERVATIONS

| Time (G.M.T.) 41 | Time (L.S.T.) 42 | No. 43 | Precip. (Ins.) 44 | Snow Fall (Ins.) 45 | Snow Depth (Ins.) 46 | Max. Temp. (°F) 47 | Min. Temp. (°F) 48 | 49 | State of Grnd. 50 | 51 | 52 | 53 | 54 | 55 | Soil Temp. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID 79 0345 | X | 0 | 0 | X | 56 | 54 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 60 | 54 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 59 | 53 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 67 | 59 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 66 | 52 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 53 | 51 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| Time (L.S.T.) 59 | 0346 | 0945 | 1557 | 2149 |
| Att. Therm. 60 | | | | |
| Observd. Bar. 61 | | | | |
| Total Corr. 62 | | | | |
| Sta. Press. 63 | 26.440 | 26.510 | 26.400 | 26.390 |
| Barograph 64 | 26.420 | 26.490 | 26.385 | 26.375 |
| Bar. Corr. 65 | +.020 | +.020 | +.015 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-Hr. Max. Temp. (°F) 66 | 24-Hr. Min. Temp. (°F) 67 | 24-Hr. Precip. Water Equiv. (Ins.) 68 | 24-Hr. Snowfall Unmltd (Ins.) 69 | Snow Depth (Ins.) 70 | Peak Wind: Speed (Kts.) 71 | Peak Wind: Direction 72 | Peak Wind: Time (L.S.T.) 73 | Thickness of Ice on Water (Ins.) 74 | Frozen Ground Layer (Ins.): Top 75 | Frozen Ground Layer (Ins.): Base 76 | River Gage 77 | Sky Cover: Sunrise to Sunset 78 | Sky Cover: Midnight to Midnight 79 | Water Equiv. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | 51 | 0 | 0 | 0 | 35 | S | 0253 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| Type 82 | Began 83 | Ended 84 | Type 86 | Began 87 | Ended 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

| Total Sunshine (Min.) | Percent of Possible Sunshine | Character of Sunrise | Character of Sunset |
|---|---|---|---|
| | | | |

| Fastest Observed 1-Minute Wind Speed | M.P.H. | or Fastest Mile | M.P.H. | Associated Direction | Time |
|---|---|---|---|---|---|
| | | | | | |

TIME CHECK - CLOCK AT: 0731P ±2 Sec./ 1931P ±2 Sec./ ± Sec.

X LAST OF SEVERAL OCCURRENCES

SP/O

FS/O

MF 1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO. DESERT ROCK NV

DATE: 1983 APR 2 5

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | CLR | 20 | | | 048 | 50 | 28 | 20 | 13 | | 973 | 814 | JC |
| SA | 0154 | CLR | 20 | | | 047 | 48 | 30 | 19 | 14 | G22 | 973 | | JC |
| SA | 0251 | CLR | 20 | | | 045 | 48 | 28 | 21 | 15 | G21 | 972 | | JC |
| SA | 0347 | CLR | 20 | | | 049 | 48 | 25 | 23 | 10 | | 973 | 500 48 RADAT | EP |
| / | | | | | | | | | | | | | 45L078085089 | / |
| SA | 0448 | CLR | 20 | | | 058 | 45 | 28 | 23 | 11 | | 975 | | EP |
| SA | 0548 | CLR | 20 | | | 071 | 46 | 29 | 25 | 09 | | 979 | | EP |
| SA | 0646 | CLR | 20 | | | 079 | 49 | 29 | 25 | 15 | | 981 | 224 | EP |
| SA | 0749 | CLR | 20 | | | 087 | 50 | 27 | 25 | 10 | | 983 | | EP |
| SA | 0846 | CLR | 20 | | | 091 | 52 | 29 | 26 | 12 | | 984 | | EP |
| SA | 0946 | CLR | 20 | | | 094 | 55 | 30 | 22 | 10 | | 985 | 114 1100 45 | EP |
| SA | 1046 | CLR | 20 | | | 093 | 57 | 29 | 26 | 11 | | 985 | | EP |
| SA | 1148 | CLR | 20 | | | 089 | 58 | 26 | 25 | 05 | | 984 | | EP |
| SA | 1251 | 250-SCT | 20 | | | 084 | 62 | 28 | 26 | 08 | | 983 | 807 1101 | EP |
| SA | 1345 | 250-BKN | 20 | | | 081 | 61 | 27 | 15 | 08 | | 982 | | EP |
| SA | 1450 | 250-BKN | 20 | | | 073 | 64 | 27 | 24 | 06 | | 980 | | EP |
| SA | 1551 | 250-BKN | 20 | | | 073 | 64 | 25 | 25 | 07 | | 980 | 610 1101 65 RADAT | JC |
| / | | | | | | | | | | | | | 52088 | / |
| SA | 1654 | 250-SCT | 20 | | | 070 | 64 | 25 | 25 | 12 | | 979 | | JC |
| SA | 1751 | 160 SCT 250-BKN | 20 | | | 072 | 60 | 24 | 22 | 09 | | 979 | | JC |
| SA | 1845 | E160 BKN 250 BKN | 20 | | | 067 | 59 | 23 | 23 | 06 | | 978 | 707 1021 | JC |
| SA | 1949 | 160 SCT | 20 | | | 074 | 54 | 27 | 00 | 00 | | 979 | | JC |
| SA | 2052 | CLR | 20 | | | 078 | 50 | 25 | 05 | 03 | | 980 | | JC |
| SA | 2153 | CLR | 20 | | | 077 | 49 | 25 | 01 | 08 | | 980 | 107 65 | JC |
| SA | 2251 | CLR | 20 | | | 080 | 48 | 25 | 03 | 09 | | 981 | | JC |
| SA | 2350 | CLR | 20 | | | 085 | 46 | 28 | 00 | 00 | | 982 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_X h$VV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-[illegible]-008/1103

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO. DESERT ROCK, NV

DATE: 1983 APR 25

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 53 | 26.350 | 49.5 | 40.3 | 43 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 00-01 |
| 01 54 | 26.350 | 48.4 | 40.2 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.340 | 47.8 | 39.3 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.350 | 47.8 | 38.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 48 | 26.370 | 45.2 | 37.9 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.400 | 45.5 | 38.3 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.420 | 48.7 | 39.8 | 45 | 0 | | | | | | | | | | | | | | | 0 | 2 | .070 | | | 06-07 |
| 07 49 | 26.440 | 49.9 | 40.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 46 | 26.450 | 52.3 | 41.8 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 46 | 26.460 | 55.4 | 43.5 | 37 | 0 | 0 | Cu | 50 | | | | | | | | | | | | 0 | 1 | .040 | | | 09-10 |
| 10 46 | 26.460 | 56.8 | 43.8 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.450 | 57.9 | 43.7 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.440 | 62.1 | 46.2 | 27 | 3 | 0 | Cu | 50 | 3 | Ci | 250 | 3 | | | | | | | | 0 | 8 | .020 | | | 12-13 |
| 13 45 | 26.430 | 61.3 | 45.5 | 27 | 8 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.410 | 63.5 | 46.5 | 25 | 9 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 51 | 26.410 | 63.6 | 46.0 | 23 | 7 | 0 | Cu | 50 | 7 | Ci | 250 | 7 | | | | | | | | 0 | 6 | .030 | | | 15-16 |
| 16 54 | 26.400 | 63.7 | 46.0 | 23 | 3 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.400 | 60.4 | 44.4 | 25 | 7 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 45 | 26.390 | 59.4 | 43.6 | 25 | 9 | 9 | As | E160 | 0 | Ci | 250 | 9 | | | | | | | | 8 | 7 | .020 | | | 18-19 |
| 19 49 | 26.400 | 53.8 | 42.0 | 36 | 3 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 52 | 26.410 | 49.5 | 39.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.410 | 49.0 | 39.0 | 39 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 51 | 26.420 | 48.0 | 38.3 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.430 | 46.1 | 38.4 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 52 | 48 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 53 | 48 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 55 | 45 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 65 | 55 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 64 | 49 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 49 | 46 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0343 | 0943 | 1549 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.350 | 26.460 | 26.410 | 26.410 |
| BAROGRAPH 64 | 26.330 | 26.440 | 26.405 | 26.400 |
| BAR. CORR. 65 | +.020 | +.020 | +.005 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 45 | 0 | 0 | 0 | 24 | SW | 0036 | | | | | 3 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0810P ±2 Sec./ 1840P ±2 Sec./ ± Sec.

SP/O

RS/O

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NV

DATE: 1983 APR 26

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 077 | 48 | 27 | 32 | 08 | | 981 | 003 | JC |
| SA | 0145 | CLR | 20 | | | 076 | 45 | 28 | 08 | 06 | | 980 | | JC |
| SA | 0250 | CLR | 20 | | | 074 | 44 | 25 | 03 | 04 | | 980 | | JC |
| SA | 0345 | CLR | 20 | | | 076 | 43 | 30 | 01 | 06 | | 980 | 603 43 RADAT 42084 | EP |
| SA | 0447 | CLR | 20 | | | 080 | 41 | 26 | 00 | 00 | | 981 | | EP |
| SA | 0549 | 300 - SCT | 20 | | | 086 | 41 | 27 | 00 | 00 | | 982 | | EP |
| SA | 0648 | 300 - OVC | 20 | | | 091 | 47 | 28 | 28 | 03 | | 984 | 314 103·7 | EP |
| SA | 0748 | 300 - OVC | 20 | | | 095 | 52 | 31 | 24 | 04 | | 985 | | EP |
| SA | 0846 | 300 - OVC | 20 | | | 089 | 54 | 32 | 22 | 05 | | 983 | | EP |
| SA | 0947 | E300 OVC | 20 | | | 091 | 57 | 31 | 22 | 06 | | 984 | 000 1037 40 | EP |
| SA | 1049 | E300 OVC | 20 | | | 090 | 59 | 31 | 22 | 10 | | 984 | | EP |
| SA | 1145 | 300 - OVC | 20 | | | 084 | 59 | 33 | 18 | 06 | | 982 | | EP |
| SA | 1248 | E300 OVC | 20 | | | 073 | 63 | 32 | 25 | 16 G23 | | 980 | 814 1137 | EP |
| SA | 1347 | E250 OVC | 20 | | | 076 | 62 | 30 | 20 | 19 | | 980 | | EP |
| SA | 1450 | 180 SCT E250 OVC | 20 | | | 080 | 61 | 27 | 22 | 13 | | 981 | | EP |
| SA | 1553 | 160 SCT E250 OVC | 20 | | | 081 | 60 | 26 | 21 | 07 | | 981 | 203 1128 64 RADAT | JC |
| / | | | | | | | | | | | | | 54084 | / |
| SA | 1654 | 160 SCT E250 OVC | 20 | | | 074 | 61 | 26 | 21 | 13 | | 979 | | JC |
| SA | 1753 | 160 SCT 250 - BKN | 20 | | | 075 | 59 | 30 | 18 | 12 | | 979 | | JC |
| SA | 1854 | 250 - BKN | 20 | | | 070 | 57 | 29 | 21 | 06 | | 978 | 610 1071 | JC |
| SA | 1949 | 250 - SCT | 20 | | | 076 | 53 | 21 | 18 | 12 | | 980 | | JC |
| SA | 2047 | 160 SCT E250 BKN | 20 | | | 080 | 58 | 36 | 19 | 17 G25 | | 982 | | JC |
| SA | 2157 | E160 BKN 250 OVC | 20 | | | 084 | 56 | 36 | 22 | 12 G20 | | 983 | 117 1071 64 | JC |
| SA | 2250 | E160 BKN 250 OVC | 20 | | | 083 | 57 | 35 | 20 | 11 G22 | | 983 | | JC |
| SA | 2354 | 160 SCT E250 OVC | 20 | | | 079 | 56 | 35 | 21 | 15 G25 | | 982 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-[illegible]/1103

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NV

DATE: 1983 APR 26

To convert LST to GMT ADD 5 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.420 | 42.9 | 39.0 | 44 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 00-01 |
| 01 45 | 26.410 | 44.9 | 37.5 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.410 | 44.1 | 36.3 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.410 | 42.7 | 37.2 | 61 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 47 | 26.420 | 40.8 | 34.8 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.430 | 40.9 | 35.2 | 58 | 3 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.450 | 46.5 | 38.5 | 48 | 10 | 0 | Ac | 150 | 10 | CS | 300 | 10 | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 48 | 26.460 | 51.5 | 42.0 | 45 | 10 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 46 | 26.440 | 54.2 | 43.8 | 43 | 10 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 47 | 26.450 | 57.0 | 44.7 | 37 | 10 | 0 | Ac | 150 | 10 | CS | E300 | 10 | | | | | | | | 8 | 0 | .000 | | | 09-10 |
| 10 49 | 26.450 | 58.5 | 45.5 | 35 | 10 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 45 | 26.430 | 59.2 | 46.5 | 37 | 10 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 48 | 26.410 | 62.7 | 47.5 | 31 | 10 | 0 | Cu | 50 | 0 | Ac | 150 | 0 | 10 | CS | E300 | 10 | | | | 7 | 8 | .040 | | | 12-13 |
| 13 47 | 26.410 | 62.1 | 46.8 | 30 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.420 | 61.3 | 45.6 | 27 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 53 | 26.420 | 60.4 | 44.9 | 27 | 10 | 0 | Cu | 50 | 4 | As | 160 | 4 | 6 | CS | E350 | 10 | | | | 10 | 2 | .010 | | | 15-16 |
| 16 54 | 26.400 | 60.7 | 45.0 | 27 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 53 | 26.400 | 58.7 | 45.2 | 33 | 8 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 54 | 26.390 | 56.9 | 43.9 | 34 | 7 | 0 | Ac | 160 | 7 | Ci | 250 | 7 | | | | | | | | 3 | 6 | .030 | | | 18-19 |
| 19 49 | 26.410 | 53.1 | 40.0 | 28 | 5 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 47 | 26.430 | 58.0 | 47.0 | 44 | 9 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 54 | 26.440 | 56.4 | 46.2 | 46 | 10 | 6 | Ac | E160 | 4 | Ci | 250 | 10 | | | | | | | | 8 | 1 | .050 | | | 21-22 |
| 22 50 | 26.440 | 56.7 | 46.1 | 45 | 10 | | | | | | | | | | | | | | | 9 | | | | | 22-23 |
| 23 54 | 26.430 | 56.0 | 45.8 | 46 | 10 | | | | | | | | | | | | | | | 7 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 48 | 43 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 49 | 43 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 57 | 40 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 64 | 57 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 61 | 53 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 57 | 56 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0343 | 0944 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.410 | 26.450 | 26.420 | 26.440 |
| BAROGRAPH 64 | 26.410 | 26.450 | 26.410 | 26.425 |
| BAR. CORR. 65 | 0 | 0 | +.010 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 40 | 0 | 0 | 0 | 30 | SW | 2317 | | | | | 9 | 7 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0830P ±3 Sec. / 1923P ±2 Sec. / ± Sec.

SP/0
RS/0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED

MF1-10A
(1-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NV
DATE: 1983 APR 27
TO CONVERT LST TO GMT ADD 8 hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | 160 SCT E250 OVC | 20 | | | 077 | 56 | 35 | 21 | 16 | G24 | 982 | 703 1078 | JC |
| SA | 0154 | 160 SCT E250 OVC | 20 | | | 077 | 55 | 34 | 21 | 11 | G21 | 982 | | JC |
| SA | 0255 | 250-OVC | 20 | | | 083 | 53 | 35 | 20 | 07 | | 983 | | JC |
| SA | 0350 | 250-OVC | 20 | | | 084 | 52 | 31 | 20 | 11 | | 983 | 103 1077 52 RADAT 46092 | EP |
| SA | 0446 | 160 SCT 250-OVC | 20 | | | 087 | 53 | 30 | 20 | 12 | | 984 | | EP |
| SA | 0548 | 160 SCT 250-OVC | 20 | | | 095 | 54 | 32 | 24 | 07 | | 986 | | EP |
| SA | 0653 | 250-BKN | 20 | | | 100 | 55 | 32 | 24 | 10 | | 987 | 214 1071 | EP |
| SA | 0747 | E250 BKN | 20 | | | 101 | 59 | 32 | 24 | 11 | | 988 | | EP |
| SA | 0849 | 170 SCT 250-BKN | 20 | | | 104 | 60 | 30 | 18 | 13 | | 990 | ACSL SE | EP |
| SA | 0947 | 150 SCT 250-BKN | 20 | | | 104 | 62 | 28 | 19 | 15 | G23 | 990 | 107 1131 52 | EP |
| SA | 1045 | 150 SCT E250 BKN | 20 | | | 103 | 63 | 29 | 19 | 14 | G22 | 990 | | EP |
| SA | 1146 | E150 BKN 250 OVC | 20 | | | 098 | 65 | 29 | 17 | 16 | G28 | 988 | ACSL SE | EP |
| SA | 1248 | E130 BKN 250 OVC | 20 | | | 095 | 65 | 28 | 19 | 20 | G28 | 987 | 807 1171 | EP |
| SA | 1350 | E130 BKN 250 BKN | 20 | | | 092 | 66 | 28 | 20 | 17 | G25 | 987 | ACSL SE | EP |
| SA | 1450 | E130 OVC | 20 | | | 090 | 66 | 29 | 20 | 16 | G24 | 986 | | EP |
| SA | 1553 | E160 BKN | 20 | | | 085 | 66 | 29 | 19 | 16 | G23 | 984 | 810 1170 66 RADAT 48092 | JC |
| SA | 1654 | E160 OVC | 20 | | | 085 | 65 | 33 | 20 | 14 | G25 | 984 | ACSL NE | JC |
| SA | 1754 | E160 BKN | 20 | | | 080 | 63 | 35 | 20 | 15 | G24 | 983 | ACSL ALCOS | JC |
| SA | 1851 | E160 OVC | 20 | | | 080 | 63 | 33 | 20 | 13 | | 983 | 703 1071 | JC |
| SA | 1948 | E160 BKN | 20 | | | 083 | 62 | 34 | 22 | 18 | G27 | 984 | | JC |
| SA | 2047 | 160 SCT 250-BKN | 20 | | | 086 | 61 | 34 | 22 | 11 | G21 | 986 | | JC |
| SA | 2150 | 160 SCT E250 OVC | 20 | | | 082 | 60 | 38 | 23 | 14 | | 984 | 003 1078 66 | JC |
| SA | 2253 | 160 SCT E250 OVC | 20 | | | 077 | 60 | 34 | 22 | 13 | G23 | 983 | | JC |
| SA | 2351 | 160 SCT 250-OVC | 20 | | | 073 | 60 | 34 | 22 | 17 | G24 | 982 | | JC |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiii Ndaff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_rs$ $8N_sCh$ $h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

U.S. GPO:1977-0-765-005/1111

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 APR 27

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUM-MATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUM-MATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 53 | 26.430 | 55.7 | 45.4 | 45 | 10 | 3 | Ac | 160 | 7 | CS | E250 | 10 | | | | | | | | 8 | 7 | .010 | | | 00-01 |
| 01 54 | 26.430 | 54.8 | 44.8 | 46 | 10 | | | | | | | | | | | | | | | 6 | | | | | 01-02 |
| 02 53 | 26.440 | 52.8 | 44.0 | 50 | 10 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 50 | 26.440 | 52.3 | 42.3 | 43 | 10 | 0 | AC | 160 | 10 | CS | 250 | 10 | | | | | | | | 4 | 1 | .010 | | | 03-04 |
| 04 46 | 26.450 | 52.9 | 42.5 | 42 | 10 | | | | | | | | | | | | | | | 4 | | | | | 04-05 |
| 05 48 | 26.470 | 54.0 | 43.5 | 43 | 10 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 53 | 26.480 | 55.2 | 44.2 | 41 | 9 | 0 | Ac | 150 | 9 | CI | 250 | 9 | | | | | | | | 4 | 2 | .040 | | | 06-07 |
| 07 47 | 26.485 | 58.7 | 45.9 | 37 | 8 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 49 | 26.500 | 60.2 | 45.9 | 32 | 9 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 47 | 26.500 | 61.5 | 45.9 | 28 | 8 | 0 | CU | 60 | 4 | Ac | 150 | 4 | 4 | CI | 250 | 8 | | | | 4 | 1 | .020 | | | 09-10 |
| 10 45 | 26.500 | 63.3 | 46.9 | 27 | 9 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 46 | 26.490 | 64.9 | 47.6 | 25 | 10 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 48 | 26.480 | 64.7 | 47.4 | 25 | 10 | 0 | CU | 60 | 8 | AC | E130 | 8 | 2 | CI | 250 | 10 | | | | 8 | 8 | .020 | | | 12-13 |
| 13 50 | 26.475 | 65.8 | 47.8 | 24 | 9 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 50 | 26.465 | 66.2 | 48.3 | 25 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 53 | 26.450 | 66.0 | 48.2 | 25 | 9 | 0 | CU | 60 | 9 | Ac | E160 | 9 | | | | | | | | 6 | 8 | .030 | | | 15-16 |
| 16 54 | 26.450 | 64.7 | 49.0 | 31 | 10 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 54 | 26.440 | 63.3 | 49.0 | 35 | 9 | | | | | | | | | | | | | | | 9 | | | | | 17-18 |
| 18 51 | 26.440 | 62.6 | 48.1 | 33 | 10 | 10 | Ac | E160 | | | | | | | | | | | | 9 | 7 | .010 | | | 18-19 |
| 19 48 | 26.450 | 62.2 | 48.0 | 34 | 8 | | | | | | | | | | | | | | | 8 | | | | | 19-20 |
| 20 47 | 26.460 | 60.6 | 47.2 | 36 | 8 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 50 | 26.450 | 60.3 | 48.8 | 44 | 10 | 4 | Ac | 160 | 6 | CS | E250 | 10 | | | | | | | | 9 | 6 | .010 | | | 21-22 |
| 22 53 | 26.440 | 60.2 | 47.2 | 37 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 51 | 26.430 | 59.7 | 47.0 | 38 | 10 | | | | | | | | | | | | | | | 4 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 56 | 52 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 57 | 52 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 62 | 52 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 66 | 61 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 66 | 60 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 60 | 59 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0945 | 1547 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.440 | 26.500 | 26.450 | 26.450 |
| BAROGRAPH 64 | 26.435 | 26.500 | 26.450 | 26.442 |
| BAR. CORR. 65 | +.005 | 0 | ±0 | +.002 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 52 | 0 | 0 | 0 | 30 | 5 | 1657 | | | | | 9 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0900P ±2 Sec./ 1932P ±2 Sec./ ± Sec.

SP/O
RS/O

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: WSMO. DESERT ROCK, NV

DATE: 1983 APR 28

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (.00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 160 SCT E 250 OVC | 20 | | | 075 | 58 | 36 | 20 | 17 | G26 | 982 | 607 1078 | JC |
| SA | 0151 | 160 SCT E250 BKN | 20 | | | 074 | 58 | 35 | 22 | 12 | | 982 | | JC |
| SA | 0250 | E160 BKN | 20 | | | 075 | 57 | 35 | 22 | 16 | G25 | 982 | | JC |
| SA | 0350 | E160 BKN | 20 | | | 070 | 56 | 33 | 21 | 18 | | 981 | 805 105/ 56 RADAT 41113 | RD |
| SA | 0450 | E160 BKN | 20 | | | 067 | 57 | 31 | 22 | 15 | G25 | 980 | | RD |
| SA | 0549 | E150 BKN | 20 | | | 074 | 56 | 34 | 19 | 14 | | 982 | | RD |
| SA | 0650 | E150 BKN | 20 | | | 076 | 57 | 33 | 20 | 16 | | 982 | 305 1070 | RD |
| SA | 0750 | E150 BKN | 20 | | | 076 | 61 | 32 | 21 | 20 | | 983 | | RD |
| SA | 0847 | E150 BKN | 20 | | | 080 | 64 | 35 | 20 | 19 | | 984 | | RD |
| SA | 0946 | E140 BKN | 20 | | | 080 | 64 | 37 | 19 | 22 | | 984 | Rwy 5 /105 1070 55 | RD |
| SA | 1050 | ~~E~~140 ~~B~~ SCT | 20 | | | 082 | 64 | 37 | 19 | 27 | | 984 | | RD |
| SA | 1149 | 140 SCT | 20 | | | 073 | 65 | 37 | 19 | 19 | G28 | 982 | | RD |
| SA | 1246 | 140 SCT | 20 | | | 073 | 68 | 35 | 19 | 21 | G30 | 982 | ACSL E/605 1140 | RD |
| SA | 1350 | 80 SCT 140 SCT | 20 | | | 071 | 69 | 34 | 22 | 18 | | 982 | ACSL NE | RD |
| SA | 1450 | 80 SCT | 20 | | | 070 | 67 | 36 | 23 | 20 | | 981 | | RD |
| SA | 1550 | 80 SCT | 20 | | | 064 | 66 | 38 | 21 | 25 | G27 | 979 | 810 1200 71 RADAT 81095 | HS |
| SA | 1647 | 80 SCT | 20 | | | 062 | 66 | 38 | 18 | 14 | G26 | 978 | | HS |
| SA | 1847 | 80 SCT | 20 | | | 059 | 63 | 39 | 22 | 14 | | 977 | | HS |
| SA | 1850 | 70 SCT | 20 | | | 066 | 60 | 40 | 16 | 11 | | 979 | 500 1200 | HS |
| SA | 1947 | 70 SCT | 20 | | | 074 | 60 | 40 | 17 | 12 | G22 | 982 | | HS |
| SA | 2047 | CLR | 20 | | | 067 | 58 | 39 | 17 | 15 | | 980 | FEW CU | HS |
| SA | 2151 | CLR | 20 | | | 070 | 56 | 39 | 18 | 10 | G21 | 981 | 305 1100 71 | HS |
| SA | 2247 | CLR | 20 | | | 071 | 54 | 36 | 21 | 16 | | 981 | | HS |
| SA | 2349 | CLR | 20 | | | 065 | 55 | 36 | 12 | 06 | | 979 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x h$VV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-[illegible]

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NV

DATE: 1983 APR 28

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.430 | 52.9 | 47.0 | 44 | 10 | 3 | Ac | 160 | 7 | Cs | E250 | 10 | | | | | | | | 8 | 6 | .020 | | | 00-01 |
| 01 51 | 26.430 | 52.7 | 46.5 | 43 | 8 | | | | | | | | | | | | | | | 5 | | | | | 01-02 |
| 02 50 | 26.430 | 52.1 | 46.1 | 43 | 9 | | | | | | | | | | | | | | | 9 | | | | | 02-03 |
| 03 50 | 26.415 | 56.0 | 45.0 | 42 | 9 | 9 | Ac | E160 | | | | | | | | | | | | 9 | 8 | .015 | | | 03-04 |
| 04 50 | 26.410 | 56.5 | 44.1 | 36 | 9 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 49 | 26.425 | 55.8 | 45.1 | 43 | 8 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 50 | 26.430 | 56.9 | 45.3 | 41 | 8 | 8 | Ac | E150 | | | | | | | | | | | | 8 | 3 | .015 | | | 06-07 |
| 07 50 | 26.435 | 60.8 | 46.7 | 33 | 8 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 47 | 26.445 | 63.6 | 48.9 | 34 | 8 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 46 | 26.445 | 63.8 | 49.6 | 37 | 7 | 7 | Ac | E140 | | | | | | | | | | | | 7 | 1 | .015 | | | 09-10 |
| 10 50 | 26.450 | 64.4 | 50.0 | 36 | 5 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 49 | 26.430 | 65.0 | 50.2 | 35 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 46 | 26.430 | 67.6 | 50.8 | 30 | 2 | 0 | Cu | 70 | 2 | Ac | 140 | 2 | | | | | | | | 2 | 6 | .015 | | | 12-13 |
| 13 50 | 26.425 | 68.8 | 51.0 | 28 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.420 | 66.6 | 50.7 | 32 | 5 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 50 | 26.400 | 66.1 | 51.0 | 35 | 5 | 5 | Cu | 80 | | | | | | | | | | | | 5 | 8 | .030 | | | 15-16 |
| 16 47 | 26.390 | 65.9 | 51.0 | 35 | 4 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 47 | 26.385 | 63.3 | 50.6 | 41 | 3 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 50 | 26.400 | 60.0 | 49.3 | 47 | 4 | 4 | Cu | 70 | | | | | | | | | | | | 4 | 5 | .000 | | | 18-19 |
| 19 47 | 26.425 | 59.5 | 49.1 | 48 | 4 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 47 | 26.410 | 57.7 | 48.1 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.415 | 56.4 | 47.4 | 52 | 0 | 0 | Cu | 70 | | | | | | | | | | | | 0 | 3 | .015 | | | 21-22 |
| 22 47 | 26.420 | 54.4 | 45.1 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.400 | 55.4 | 45.6 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 60 | 56 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 60 | 56 | | 0 | | | | | | | | |
| | 0739 | 2 | 0 | 0 | 0 | 64 | 55 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 71 | 64 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 68 | 56 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 56 | 54 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0945 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.415 | 26.445 | 26.400 | 26.415 |
| BAROGRAPH 64 | 26.405 | 26.440 | 26.400 | 26.415 |
| BAR. CORR. 65 | +.010 | +.005 | ±0 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 54 | 0 | 0 | 0 | 30 | SW | 1245 | | | | | 6 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST ± M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0903P ± Sec./ 1950P ± Sec./ ± Sec.

1050 - 1050

1747 - 1747

SP/0

RS/0

MF1-10B (1-82) SUPERSEDES MF1-10B (3-72) WHICH MAY BE USED

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 29 APR 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mb.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Tens) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0047 | 110 SCT | 20 | | | 056 | 55 | 34 | 17 | 10 | | 977 | 812 1070 | HS |
| SA | 0148 | 110 SCT | 20 | | | 054 | 55 | 33 | 18 | 14 | G26 | 977 | | HS |
| SA | 0245 | 110 SCT | 20 | | | 060 | 54 | 33 | 18 | 13 | G24 | 978 | | HS |
| SA | 0352 | E45 BKN 100 BKN | 20 | | RW- | 062 | 50 | 42 | 19 | 19 | | 977 | RB43/00200 1570 50 | RD |
| — | | | — | | | — | | | | | | — | RADAT 74079 | — |
| SA | 0452 | E45 BKN 100 BKN | 20 | | | 060 | 51 | 40 | 19 | 18 | | 977 | RE22 RWY SE | RD |
| SA | 0548 | 45 SCT E100 BKN | 20 | | | 069 | 52 | 38 | 20 | 21 | | 980 | | RD |
| SA | 0649 | 50 SCT 100 SCT | 20 | | | 073 | 52 | 40 | 20 | 15 | | 980 | 30800 1570 | RD |
| SA | 0748 | 50 SCT E100 BKN | 20 | | | 076 | 55 | 38 | 20 | 10 | | 981 | | RD |
| SA | 0850 | E50 BKN 100 BKN | 20 | | | 084 | 57 | 38 | 20 | 18 | | 983 | | RD |
| SA | 0947 | 50 SCT E200 BKN | 20 | | | 084 | 58 | 36 | 22 | 18 | | 983 | 110006 1508 50 | RD |
| SA | 1049 | 50 SCT E100 BKN 200 BKN | 20 | | | 079 | 58 | 34 | 21 | 14 | | 982 | | RD |
| SA | 1149 | 50 SCT E100 BKN | 20 | | | 074 | 61 | 32 | 23 | 16 | | 981 | RWY SE | RD |
| SA | 1249 | 50 SCT E100 BKN | 20 | | | 075 | 62 | 28 | 20 | 13 | G24 | 981 | RWY SE/607 1570 | RD |
| SA | 1351 | 50 SCT 100 SCT | 20 | | | 070 | 61 | 32 | 22 | 18 | | 980 | | RD |
| SA | 1450 | 50 SCT | 20 | | | 064 | 62 | 37 | 18 | 24 | G31 | 979 | RWY SE | RD |
| SA | 1549 | 50SCT 100SCT | 20 | | | 058 | 61 | 40 | 18 | 17 | G26 | 976 | MDT CU NE 817 1200 | / |
| / | | | | | | | | | | | | | 66 RADAT 40089 | HS |
| SA | 1648 | 50SCT | 20 | | | 054 | 60 | 38 | 18 | 19 | G31 | 974 | CLDS TPG MTNS SE | HS |
| SA | 1748 | 50 SCT | 20 | | | 055 | 57 | 38 | 18 | 23 | | 974 | CLDS TPG MTNS SE | HS |
| SA | 1849 | ~~50 SCT~~ CLR | 20 | | | 056 | 55 | 38 | 21 | 16 | | 974 | CU ALQDS 603 1100 | HS |
| SA | 1949 | CLR | 20 | | | 059 | 55 | 38 | 18 | 17 | G26 | 976 | | HS |
| SA | 2048 | CLR | 20 | | | 069 | 54 | 40 | 17 | 10 | G21 | 979 | | HS |
| SA | 2147 | 50 SCT | 20 | | | 070 | 52 | 38 | 17 | 10 | | 979 | 114 1100 66 | HS |
| SA | 2247 | 50 SCT | 20 | | | 067 | 50 | 31 | 21 | 10 | | 978 | | HS |
| SA | 2348 | 50 SCT | 20 | | | 068 | 52 | 30 | 20 | 14 | G23 | 979 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_X$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1983-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 29 APR 1983

To convert LST to GMT ADD 3 hrs. SUBTRACT ____ hrs.

| Time (L.S.T.) 16 | Station Pressure (Ins.) 17 | Dry Bulb (°F) 18 | Wet Bulb (°F) 19 | Rel. Humidity (%) 20 | Total Sky Cover 21 | Clouds and Obscuring Phenomena: Lowest Layer Amt. 22 | Lowest Layer Type 23 | Lowest Layer Height 24 | Second Layer Amt. 25 | Second Layer Type 26 | Second Layer Height 27 | Summation Total 28 | Third Layer Amt. 29 | Third Layer Type 30 | Third Layer Height 31 | Summation Total 32 | Fourth Layer Amt. 33 | Fourth Layer Type 34 | Fourth Layer Height 35 | Total Opaque Sky Cover 36 | Pressure Tendency 37 | Net 3-Hr. Change (Ins.) 38 | Sunshine (Min.) 39 | Precipitation (Ins.) 40 | Hr. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 47 | 26.380 | 54.5 | 44.4 | 45 | 1 | 1 | Ac | 110 | | | | | | | | | | | | 1 | 8 | .035 | | | 00-01 |
| 01 48 | 26.380 | 54.9 | 44.3 | 43 | 3 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 45 | 26.390 | 54.4 | 44.1 | 44 | 4 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 52 | 26.385 | 50.0 | 46.0 | 75 | 8 | 6 | Sc | E45 | 2 | Ac | 100 | 8 | | | | | | | | 8 | 0 | .005 | | | 03-04 |
| 04 52 | 26.385 | 51.2 | 45.3 | 64 | 9 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 48 | 26.405 | 51.7 | 45.0 | 60 | 7 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 49 | 26.410 | 52.2 | 45.9 | 63 | 5 | 3 | Sc | 50 | 2 | Ac | 100 | 5 | | | | | | | | 5 | 3 | .025 | | | 06-07 |
| 07 48 | 26.420 | 55.1 | 46.3 | 52 | 7 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 50 | 26.440 | 56.8 | 47.2 | 50 | 8 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 47 | 26.440 | 57.8 | 47.0 | 45 | 8 | 3 | Sc | 50 | 5 | Cs | E200 | 8 | | | | | | | | 7 | 1 | .030 | | | 09-10 |
| 10 49 | 26.425 | 58.3 | 46.3 | 40 | 8 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 49 | 26.420 | 60.9 | 46.7 | 33 | 7 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 48 | 26.420 | 61.6 | 46.0 | 28 | 6 | 2 | Sc | 50 | 4 | Ac | E100 | 6 | | | | | | | | 6 | 6 | .020 | | | 12-13 |
| 13 51 | 26.410 | 61.4 | 47.1 | 33 | 4 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 50 | 26.395 | 61.8 | 49.0 | 40 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 49 | 26.370 | 61.3 | 50.0 | 46 | 3 | 2 | Cu | 50 | 1 | Ac | 100 | 3 | | | | | | | | 3 | 8 | .050 | | | 15-16 |
| 16 48 | 26.360 | 59.9 | 48.6 | 44 | 3 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 48 | 26.360 | 57.2 | 47.2 | 48 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 49 | 26.360 | 55.0 | 46.5 | 53 | 0 | 0 | Cu | 50 | | | | | | | | | | | | 0 | 6 | .010 | | | 18-19 |
| 19 49 | 26.370 | 54.6 | 46.3 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.400 | 53.9 | 46.7 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.400 | 52.1 | 45.0 | 59 | 1 | 1 | Cu | 50 | | | | | | | | | | | | 1 | 1 | .040 | | | 21-22 |
| 22 47 | 26.390 | 50.3 | 41.6 | 48 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 48 | 26.400 | 52.0 | 42.1 | 43 | 3 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| Time (G.M.T.) 41 | Time (L.S.T.) 42 | No. 43 | Precip. (Ins.) 44 | Snow Fall (Ins.) 45 | Snow Depth (Ins.) 46 | Max. Temp. (°F) 47 | Min. Temp. (°F) 48 | 49 | State of Grnd. 50 | 51 | 52 | 53 | 54 | 55 | Soil Temp. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | T | 0 | X | 56 | 50 | X | X | | | | | | X | | |
| | 0345 | 1 | T | 0 | 0 | 56 | 50 | | 1 | | | | | | | | |
| | 0940 | 2 | T | 0 | 0 | 58 | 50 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 66 | 58 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 63 | 52 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 52 | 50 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| Time (L.S.T.) 59 | 0351 | 0946 | 1543 | 2146 |
|---|---|---|---|---|
| Att. Therm. 60 | | | | |
| Obsrvd. Bar. 61 | | | | |
| Total Corr. 62 | | | | |
| Sta. Press. 63 | 26.385 | 26.440 | 26.370 | 26.400 |
| Barograph 64 | 26.385 | 26.440 | 26.365 | 26.390 |
| Bar. Corr. 65 | 0 | 0 | +.005 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-Hr. Max. Temp. (°F) 66 | 24-Hr. Min. Temp. (°F) 67 | 24-Hr. Precip. Water Equiv. (Ins.) 68 | 24-Hr. Snowfall Unml'td 69 | Snow Depth (Ins.) 70 | Peak Wind Speed (Kts.) 71 | Peak Wind Direction 72 | Peak Wind Time (L.S.T.) 73 | Thickness of Ice on Water (Ins.) 74 | Frozen Ground Layer (Ins.) Top 75 | Frozen Ground Layer (Ins.) Base 76 | River Gage 77 | Sky Cover Sunrise to Sunset 78 | Sky Cover Midnight to Midnight 79 | Water Equiv. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 50 | T | 0 | 0 | 33 | S | 1455 | | | | | 6 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| Type 82 | Began 83 | Ended 84 | Type 86 | Began 87 | Ended 88 |
|---|---|---|---|---|---|
| RW- | 0343 | 0422 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

Total Sunshine (Min.) | Percent of Possible Sunshine | Character of Sunrise | Character of Sunset

Fastest Observed 1-Minute Wind Speed M.P.H. or Fastest Mile M.P.H. | Associated Direction | Time

TIME CHECK - CLOCK AT: 0718 P ±2 Sec. / 1950 P ±2 Sec. ± Sec.

Changed microbarograph at 0946 LST

1549 - 1549 0947 - 0947

1849 - 1849

SP/0

RS/0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

MF 1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 30 APR 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0046 | 50 SCT | 20 | | | 062 | 51 | 32 | 21 | 12 | G26 | 977 | 807 1400 | HS |
| SA | 0148 | 50 SCT | 20 | | | 065 | 50 | 33 | 20 | 10 | G26 | 978 | | HS |
| SA | 0246 | 50 SCT E120 BKN | 20 | | | 069 | 49 | 34 | 20 | 11 | | 979 | | HS |
| SA | 0349 | 50 SCT E120 BKN | 20 | | | 069 | 48 | 35 | 19 | 15 | | 979 | 107 1470 48 RADAT 86070 | RD |
| SA | 0449 | 50 SCT 120 SCT | 20 | | | 076 | 46 | 33 | 21 | 14 | | 980 | | RD |
| SA | 0548 | 50 SCT | 20 | | | 081 | 47 | 30 | 22 | 18 | | 981 | | RD |
| SA | 0646 | 50 SCT | 20 | | | 081 | 48 | 33 | 22 | 22 | | 981 | 107 1400 | RD |
| SA | 0749 | 50 SCT | 20 | | | 086 | 50 | 33 | 20 | 18 | | 983 | | RD |
| SA | 0848 | E50 BKN | 20 | | | 093 | 52 | 30 | 19 | 15 | | 984 | | RD |
| SA | 0948 | 50 SCT | 20 | | | 096 | 55 | 32 | 22 | 24 | | 986 | 215 1400 46 | RD |
| SA | 1050 | 50 SCT | 20 | | | 098 | 56 | 34 | 23 | 20 | | 987 | | RD |
| SA | 1146 | 50 SCT | 20 | | | 095 | 58 | 31 | 23 | 15 | G24 | 986 | | RD |
| SA | 1250 | 50 SCT | 20 | | | 089 | 58 | 30 | 24 | 16 | | 984 | 805 1400 | RD |
| SA | 1347 | 55 SCT | 20 | | | 089 | 59 | 29 | 21 | 11 | | 984 | | RD |
| SA | 1450 | 55 SCT | 20 | | | 085 | 60 | 28 | 22 | 18 | | 983 | | RD |
| SA | 1549 | 50 SCT | 20 | | | 077 | 60 | 27 | 21 | 13 | | 981 | 312 1200 65 RADAT 55082 | HS |
| SA | 1648 | 50 SCT | 20 | | | 075 | 61 | 26 | 20 | 16 | | 980 | | HS |
| SA | 1747 | 50 SCT | 20 | | | 071 | 59 | 27 | 16 | 10 | G21 | 979 | VIRGA NW-NE. | HS |
| SA | 1849 | 50 SCT | 20 | | | 080 | 57 | 23 | 20 | 12 | | 981 | 302 1200 | HS |
| SA | 1948 | 50 SCT | 20 | | | 088 | 55 | 26 | 18 | 16 | | 983 | | HS |
| SA | 2049 | 50 SCT | 20 | | | 096 | 54 | 28 | 20 | 14 | G25 | 986 | | HS |
| SA | 2150 | CLR | 20 | | | 102 | 51 | 33 | 18 | 10 | G24 | 988 | 220 1400 65 | HS |
| SA | 2247 | CLR | 20 | | | 100 | 49 | 33 | 24 | 13 | | 987 | | HS |
| SA | 2350 | CLR | 20 | | | 102 | 48 | 34 | 23 | 14 | | 988 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 30 APR 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 46 | 26.380 | 50.8 | 42.1 | 49 | 5 | 5 | Sc | 50 | | | | | | | | | | | | 5 | 8 | .020 | | | 00-01 |
| 01 48 | 26.390 | 50.0 | 42.0 | 52 | 5 | | | | | | | | | | | | | | | 5 | | | | | 01-02 |
| 02 46 | 26.400 | 49.0 | 42.1 | 57 | 8 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 49 | 26.400 | 47.5 | 41.4 | 61 | 9 | 4 | Sc | 50 | 5 | Ac | E120 | 9 | | | | | | | | 7 | 1 | .020 | | | 03-04 |
| 04 49 | 26.410 | 46.3 | 40.1 | 60 | 5 | | | | | | | | | | | | | | | 5 | | | | | 04-05 |
| 05 48 | 26.420 | 47.1 | 39.6 | 52 | 3 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 46 | 26.420 | 48.0 | 41.0 | 56 | 2 | 2 | Sc | 50 | | | | | | | | | | | | 2 | 1 | .020 | | | 06-07 |
| 07 49 | 26.435 | 50.1 | 42.2 | 52 | 3 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 48 | 26.450 | 51.6 | 41.8 | 44 | 6 | | | | | | | | | | | | | | | 6 | | | | | 08-09 |
| 09 48 | 26.465 | 54.8 | 43.9 | 41 | 3 | 3 | Sc | 50 | | | | | | | | | | | | 3 | 2 | .045 | | | 09-10 |
| 10 50 | 26.470 | 56.1 | 45.4 | 44 | 4 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 46 | 26.465 | 58.1 | 45.3 | 36 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 50 | 26.450 | 58.3 | 45.0 | 34 | 3 | 3 | Sc | 50 | | | | | | | | | | | | 3 | 8 | .015 | | | 12-13 |
| 13 47 | 26.450 | 59.1 | 45.1 | 32 | 5 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 50 | 26.440 | 59.9 | 45.2 | 28 | 5 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 49 | 26.415 | 60.0 | 45.0 | 29 | 4 | 4 | Cu | 50 | | | | | | | | | | | | 4 | 8 | .035 | | | 15-16 |
| 16 48 | 26.410 | 60.8 | 45.1 | 27 | 4 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 47 | 26.400 | 59.4 | 44.6 | 29 | 5 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 49 | 26.420 | 56.7 | 42.1 | 26 | 2 | 2 | Cu | 50 | | | | | | | | | | | | 2 | 3 | .005 | | | 18-19 |
| 19 48 | 26.440 | 55.2 | 42.4 | 32 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 49 | 26.460 | 53.5 | 42.1 | 37 | 1 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 50 | 26.480 | 51.0 | 42.6 | 50 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 2 | .060 | | | 21-22 |
| 22 47 | 26.470 | 49.0 | 41.5 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.480 | 47.8 | 41.2 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 52 | 48 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 52 | 48 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 55 | 46 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 65 | 55 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 64 | 51 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 51 | 48 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0947 | 1548 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.400 | 26.465 | 26.415 | 26.480 |
| BAROGRAPH 64 | 26.385 | 26.455 | 26.405 | 26.465 |
| BAR. CORR. 65 | +.015 | +.010 | +.010 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND: SPEED (Kts.) 71 | PEAK WIND: DIRECTION 72 | PEAK WIND: TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.): TOP 75 | FROZEN GROUND LAYER (Ins.): BASE 76 | RIVER GAGE 77 | SKY COVER: SUNRISE TO SUNSET 78 | SKY COVER: MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 46 | 0 | 0 | 0 | 28 | S | 0327 | | | | | 4 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MIN. WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0802 ±2 Sec. / 1450Z ±2 Sec. / ± Sec.

SP/C
BS/O

MF1-10B (1-82) SUPERSEDES MF1-10B (2-70) WHICH MAY BE USED