WS FORM F-6
(9-76)

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

# PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: DESERT ROCK, NV

MONTH: December | YEAR: 1982

LATITUDE: 36° 37' N | LONGITUDE: 116° 01' W | GROUND ELEVATION (H): 3298 FT. | STANDARD TIME: Pacific

| DAY 1 | TEMPERATURE °F: MAXIMUM 2 | MINIMUM 3 | AVERAGE 4 | DEPARTURE FROM NORMAL 5 | DEGREE DAYS (Base 65°): HEATING 6a | COOLING 6b | PRECIPITATION (In.): TOTAL (Water equivalent) 7 | SNOWFALL, ICE PELLETS 8 | SNOW, ICE PELLETS OR ICE ON GROUND AT 0400 9 | WIND: AVERAGE SPEED (knots) 10 | FASTEST MILE: Peak Speed SPEED (knots) 11 | DIRECTION 12 | SUNSHINE: TOTAL (Min.) 13 | PERCENT OF POSSIBLE 14 | SKY COVER SUNRISE TO SUNSET (Tenths) 15 | WEATHER OCCURRENCES 16 | Relative Humidity @ 0400 17 | 1000 18 | 1600 19 | 2200 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 49 | 30 | 40 | | 25 | | | | | 8.8 | 30 | NW | 26.2 | 40 | 8 | | 62 | 65 | 42 | 58 |
| 2 | 49 | 27 | 38 | | 27 | | | | | 4.4 | 10 | SW | 26.6 | 20 | 4 | | 75 | 33 | 28 | 71 |
| 3 | 59 | 31 | 45 | | 20 | | | | | 5.0 | 13 | NE | 26.7 | 99 | 8 | | 68 | 35 | 38 | 79 |
| 4 | 62 | 35 | 49 | | 16 | | | | | 4.2 | 13 | N | 26.7 | 13 | 10 | | 85 | 57 | 42 | 67 |
| 5 | 62 | 39 | 51 | | 14 | | | | | 7.1 | 17 | NE | 26.6 | 85 | 2 | | 53 | 42 | 33 | 69 |
| 6 | 57 | 33 | 45 | | 20 | | | | | 2.6 | 8 | NE | 26.6 | 28 | 9 | | 75 | 51 | 43 | 80 |
| 7 | 48 | 35 | 42 | | 23 | | | | | 14.5 | 32 | N | 26.5 | 55 | 4 | | 76 | 30 | 30 | 39 |
| 8 | 46 | 33 | 40 | | 25 | | .05 | T | | 13.3 | 25 | E | 26.6 | 98 | 10 | R, RW, S, SW | 53 | 53 | 63 | 62 |
| 9 | 52 | 43 | 48 | | 17 | | .01 | | | 8.0 | 23 | E | 26.5 | 88 | 10 | R | 52 | 47 | 73 | 78 |
| 10 | 59 | 42 | 51 | | 14 | | | | | 7.8 | 16 | E | 26.6 | 00 | 9 | | 72 | 59 | 45 | 65 |
| 11 | 61 | 37 | 49 | | 16 | | | | | 4.9 | 13 | NE | 26.7 | 90 | 0 | | 86 | 57 | 43 | 73 |
| 12 | 57 | 32 | 45 | | 20 | | | | | 3.9 | 10 | SE | 26.6 | 70 | 2 | | 76 | 53 | 46 | 80 |
| 13 | 54 | 34 | 44 | | 21 | | .04 | | | 6.3 | 27 | NW | 26.5 | 78 | 2 | RW | 81 | 74 | 27 | 55 |
| 14 | 54 | 27 | 41 | | 24 | | | | | 4.5 | 12 | E | 26.7 | 70 | 3 | | 70 | 36 | 23 | 46 |
| 15 | 52 | 33 | 43 | | 22 | | | | | 5.6 | 13 | SE | 26.8 | 51 | 9 | | 55 | 46 | 36 | 68 |
| 16 | 52 | 30 | 41 | | 24 | | | | | 6.6 | 17 | E | 26.8 | 54 | 9 | | 60 | 41 | 36 | 61 |
| 17 | 55 | 28 | 42 | | 23 | | | | | 5.0 | 12 | SE | 26.7 | 44 | 7 | | 60 | 39 | 24 | 62 |
| 18 | 62 | 29 | 46 | | 19 | | | | | 5.5 | 13 | NE | 26.7 | 83 | 6 | | 64 | 24 | 29 | 60 |
| 19 | 58 | 31 | 45 | | 20 | | | | | 6.0 | 16 | E | 26.7 | 23 | 0 | | 55 | 31 | 22 | 48 |
| 20 | 66 | 31 | 49 | | 16 | | | | | 9.6 | 30 | S | 26.5 | 64 | 10 | | 54 | 37 | 10 | 47 |
| 21 | 61 | 36 | 49 | | 16 | | | | | 12.7 | 37 | S | 26.4 | 79 | 10 | | 48 | 35 | 29 | 49 |
| 22 | 55 | 42 | 49 | | 16 | | .19 | | | 14.3 | 42 | S | 26.3 | 64 | 10 | RW | 62 | 67 | 57 | 77 |
| 23 | 49 | 32 | 41 | | 24 | | .03 | 0.3 | | 11.5 | 36 | S | 26.3 | 71 | 4 | SW | 56 | 69 | 29 | 39 |
| 24 | 42 | 32 | 37 | | 28 | | | | | 16.5 | 36 | N | 26.7 | 20 | 1 | | 25 | 24 | 39 | 49 |
| 25 | 47 | 30 | 39 | | 26 | | | | | 13.0 | 30 | N | 26.8 | 50 | 0 | | 42 | 45 | 19 | 32 |
| 26 | 46 | 26 | 36 | | 29 | | | | | 4.5 | 15 | NE | 26.7 | 25 | 9 | | 31 | 29 | 25 | 58 |
| 27 | 51 | 25 | 38 | | 27 | | | | | 8.0 | 24 | NE | 26.7 | 13 | 9 | | 56 | 25 | 34 | 42 |
| 28 | 41 | 26 | 34 | | 31 | | | | | 10.3 | 22 | NE | 26.8 | 25 | 1 | | 27 | 28 | 43 | 41 |
| 29 | 41 | 23 | 32 | | 33 | | | | | 6.5 | 22 | NE | 26.6 | 70 | 9 | | 42 | 28 | 28 | 30 |
| 30 | 43 | 26 | 35 | | 30 | | | | | 10.6 | 27 | NE | 26.7 | 00 | 2 | | 33 | 24 | 26 | 38 |
| 31 | 47 | 27 | 37 | | 28 | | | | | 9.9 | 19 | NE | 26.8 | 00 | 0 | | 35 | 32 | 23 | 43 |
| SUM | 1637 | 985 | — | — | 694 | 0 | .32 | 0.3 | — | 252.4 | — | — | 826.6 | 70 | 177 | — | 1789 | 1316 | 1085 | 1766 |
| AVG | 52.8 | 31.8 | — | — | — | — | — | — | — | 8.1 | FASTEST | DIRECTION | PERCENT POSSIBLE | | 5.7 | — | 57.7 | 42.4 | 35.0 | 57.0 |
| | | | | | | | | | | MISC. → | 42 | S | 26.6 | 67 | | — | — | — | — | — |

**TEMPERATURE DATA**

AVERAGE MONTHLY 42.3
DEPARTURE FROM NORMAL —
HIGHEST 66 ON 20
LOWEST 23 ON 29
NUMBER OF DAYS WITH –
MAX. 32° OR BELOW 0
MAX. 90° OR ABOVE 0
MIN. 32° OR BELOW 19
MIN. 0° OR BELOW 0
HEATING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 694
DEPARTURE FROM NORMAL —
SEASONAL TOTAL 1425
DEPARTURE FROM NORMAL —
COOLING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 0
DEPARTURE FROM NORMAL —
SEASONAL TOTAL 1769
DEPARTURE FROM NORMAL —

**PRECIPITATION DATA**

TOTAL FOR THE MONTH .32 IN.
DEPARTURE FROM NORMAL — IN.
GREATEST ~~IN 24 HRS.~~ Daily .19 ON 22
SNOWFALL, ICE PELLETS
TOTAL FOR THE MONTH 0.3 IN.
GREATEST ~~IN 24 HRS.~~ Daily 0.3 ON 23
GREATEST DEPTH ON GROUND 0 ON —

**WEATHER**

NUMBER OF DAYS –
CLEAR (Scale 0–3) 11
PARTLY CLOUDY (Scale 4–7) 5
CLOUDY (Scale 8–10) 15
WITH 0.01 INCH OR MORE PRECIP. 5
WITH 0.10 INCH OR MORE PRECIP. 1
WITH 0.50 INCH OR MORE PRECIP. 0
WITH 1.00 INCH OR MORE PRECIP. 0

**SYMBOLS USED IN COLUMN 16**

R = RAIN
RW = RAINSHOWER
S = SNOW
SW = SNOWSHOWER

**MAXIMUM PRECIPITATION**

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

Station Pressure

HIGHEST ~~SEA LEVEL~~ 26.930 IN. ON 25
LOWEST ~~SEA LEVEL~~ 26.020 IN. ON 1

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: 1982 DEC 01

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 | 0046 | 250-BKN | 20 | | | 937 | 39 | 27 | 28 | 08 | | 937 | 210 1101 | JC |
| SA | 0148 | 250-BKN | 20 | | | 950 | 37 | 25 | 31 | 10 | | 940 | | JC |
| SA | 0245 | E250 OVC | 20 | | | 954 | 37 | 27 | 26 | 11 | | 941 | | JC |
| SA | 0346 | 120 SCT E250 OVC | 20 | | | 962 | 38 | 26 | 29 | 04 | | 943 | 220 1077 37 20023 | CG |
| | | | | | | | | | | | | | RADAT 54064 | |
| SA | 0445 | 120 SCT E250 OVC | 20 | | | 972 | 36 | 28 | 32 | 06 | | 946 | | CG |
| SA | 0546 | 120 SCT E250 OVC | 20 | | | 987 | 36 | 29 | 32 | 07 | | 950 | | CG |
| SA | 0647 | 40 SCT 120 SCT E250 OVC | 20 | | | 999 | 36 | 28 | 32 | 05 | | 953 | 230 1178 | CG |
| SA | 0747 | 40 SCT E120 BKN | 20 | | | 003 | 36 | 28 | 15 | 05 | | 954 | | CG |
| SA | 0845 | E120 BKN | 20 | | | 010 | 38 | 29 | 25 | 07 | | 957 | | CG |
| SA | 0947 | 120 SCT E250 BKN | 20 | | | 013 | 40 | 29 | 23 | 14 | | 958 | 114 1178 36 | CG |
| SA | 1046 | 250-BKN | 20 | | | 017 | 43 | 29 | 24 | 12 | | 959 | | CG |
| SA | 1157 | 40 SCT 250 SCT | 20 | | | 010 | 47 | 21 | 31 | 20 | 630 | 958 | | CG |
| SA | 1245 | 40 SCT 250 SCT | 20 | | | 010 | 48 | 20 | 31 | 18 | | 958 | 000 1108 | CG |
| SA | 1346 | E40 BKN | 20 | | | 013 | 47 | 21 | 01 | 11 | | 958 | | CG |
| SA | 1445 | 40 SCT 80 SCT E250 BKN | 20 | | | 015 | 49 | 33 | 33 | 12 | | 959 | | CG |
| SA | 1549 | 40 SCT 80 SCT E250 BKN | 20 | | | 028 | 46 | 24 | 34 | 07 | | 962 | 314 1178 49 | JC |
| SA | 1650 | 80 SCT E250 OVC | 20 | | | 042 | 43 | 29 | 31 | 07 | | 966 | RADAT 51057 | JC |
| SA | 1750 | 80 SCT 250 SCT | 20 | | | 058 | 43 | 22 | 36 | 10 | | 970 | | JC |
| SA | 1846 | 80 SCT | 20 | | | 066 | 41 | 22 | 36 | 09 | | 972 | 130 1070 | JC |
| SA | 1945 | 100 SCT | 20 | | | 074 | 40 | 23 | 02 | 07 | | 974 | | JC |
| SA | 2044 | CLR | 20 | | | 086 | 37 | 24 | 11 | 02 | | 978 | | JC |
| SA | 2149 | CLR | 20 | | | 098 | 35 | 22 | 02 | 06 | | 981 | 327 49 | JC |
| SA | 2246 | CLR | 20 | | | 105 | 32 | 21 | 08 | 07 | | 983 | | JC |
| SA | 2349 | CLR | 20 | | | 104 | 31 | 22 | 06 | 05 | | 983 | | 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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 01

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 | 26.020 | 38.7 | 33.9 | 62 | 8 | 0 | Cu | 40 | 8 | Ci | 250 | 8 | | | | | | | | 3 | 2 | .030 | | | 00-01 |
| 01 48 | 26.050 | 36.7 | 32.1 | 62 | 9 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 45 | 26.060 | 37.1 | 33.0 | 67 | 10 | | | | | | | | | | | | | | | 7 | | | | | 02-03 |
| 03 46 | 26.080 | 38.1 | 33.4 | 62 | 10 | 2 | Ac | 120 | 10 | Cs | E250 | 10 | | | | | | | | 8 | 2 | .060 | | | 03-04 |
| 04 45 | 26.100 | 36.3 | 33.0 | 72 | 10 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 46 | 26.140 | 36.0 | 33.0 | 75 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 47 | 26.170 | 36.2 | 33.0 | 73 | 10 | 2 | Cu | 40 | 3 | Ac | 120 | 5 | 5 | Cs | E250 | 10 | | | | 10 | 2 | .090 | | | 06-07 |
| 07 47 | 26.180 | 36.4 | 33.1 | 73 | 9 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 45 | 26.200 | 37.8 | 34.2 | 71 | 9 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 47 | 26.210 | 40.3 | 35.6 | 65 | 8 | 0 | Cu | 40 | 5 | Ac | 120 | 5 | 3 | Cs | E250 | 8 | | | | 7 | 1 | .040 | | | 09-10 |
| 10 46 | 26.220 | 43.4 | 37.2 | 57 | 8 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 51 | 26.210 | 47.0 | 36.7 | 35 | 5 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 45 | 26.210 | 48.3 | 37.1 | 32 | 5 | 5 | Cu | 40 | 0 | Cs | 250 | 5 | | | | | | | | 5 | 0 | .000 | | | 12-13 |
| 13 46 | 26.210 | 46.8 | 36.6 | 36 | 6 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 45 | 26.220 | 48.5 | 38.0 | 36 | 7 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 49 | 26.250 | 46.0 | 37.0 | 42 | 9 | 1 | Cu | 40 | 4 | Ac | 80 | 5 | 4 | Cs | E250 | 9 | | | | 8 | 3 | .040 | | | 15-16 |
| 16 50 | 26.280 | 43.1 | 37.1 | 58 | 10 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 50 | 26.320 | 42.7 | 34.7 | 44 | 5 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 46 | 26.340 | 41.3 | 33.7 | 45 | 4 | 4 | Ac | 80 | | | | | | | | | | | | 3 | 1 | .090 | | | 18-19 |
| 19 45 | 26.360 | 39.8 | 33.2 | 50 | 2 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 44 | 26.390 | 37.1 | 32.0 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.420 | 35.0 | 30.2 | 58 | 0 | | | | | | | | | | | | | | | 0 | 3 | .080 | | | 21-22 |
| 22 46 | 26.440 | 32.2 | 28.3 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.440 | 30.9 | 27.9 | 70 | 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 | 40 | 37 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 43 | 37 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 40 | 36 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 49 | 40 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 46 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 35 | 30 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0947 | 1547 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.080 | 26.210 | 26.250 | 26.420 |
| BAROGRAPH 64 | 26.060 | 26.210 | 26.250 | 26.410 |
| BAR. CORR. 65 | +.020 | *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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 30 | 0 | 0 | 0 | 30 | NW | 1146 | | | | | 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: 0823 P ±2 Sec./ 1715 P ±2 Sec./ ± Sec.

* BAROGRAPH CHART CHANGED AND RESET TO ZERO CORR.

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: 1982 DEC 02

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 | 0047 | CLR | 20 | | | 112 | 30 | 20 | 34 | 05 | | 986 | 214 | JC |
| SA | 0146 | CLR | 20 | | | 120 | 29 | 21 | 08 | 07 | | 988 | | JC |
| SA | 0245 | CLR | 20 | | | 127 | 29 | 20 | 06 | 05 | | 990 | | JC |
| SA | 0350 | 250 SCT | 20 | | | 131 | 27 | 20 | 35 | 03 | | 991 | 115 1001 27 | RD |
| — | | | — | | | — | | | | | | — | RADAT 48L034099 | — |
| SA | 0446 | 250 SCT | 20 | | | 139 | 28 | 20 | 05 | 06 | | 992 | | RD |
| SA | 0549 | 250 SCT | 20 | | | 146 | 31 | 20 | 06 | 09 | | 994 | | RD |
| SA | 0646 | E250 BKN | 20 | | | 152 | 33 | 14 | 05 | 06 | | 996 | 217 1008 | RD |
| SA | 0749 | 250 -BKN | 20 | | | 159 | 32 | 17 | 06 | 06 | | 998 | | RD |
| SA | 0849 | 250 -BKN | 20 | | | 162 | 39 | 23 | 18 | 03 | | 000 | | RD |
| SA | 0949 | 250 -SCT | 20 | | | 174 | 43 | 16 | 00 | 03 | | 003 | 222 1008 27 | RD |
| SA | 1050 | 160 SCT 250 SCT | 20 | | | 176 | 45 | 16 | 33 | 03 | | 002 | | RD |
| SA | 1146 | CLR | 20 | | | 167 | 45 | 13 | 06 | 03 | | 001 | FEW AC NW | RD |
| SA | 1250 | 160 SCT | 20 | | | 161 | 48 | 16 | 15 | 04 | | 000 | 710 1050 | RD |
| SA | 1346 | 160 SCT | 20 | | | 162 | 48 | 15 | 21 | 09 | | 000 | | RD |
| SA | 1450 | 160 SCT 250 SCT | 20 | | | 166 | 47 | 13 | 20 | 05 | | 001 | | RD |
| SA | 1546 | 160 SCT 250 -BKN | 20 | | | 173 | 46 | 15 | 21 | 05 | | 002 | 308 1036 49 RADAT | MR |
| | | | | | | | | | | | | | 35063 | |
| SA | 1645 | 160 SCT 250-BKN | 20 | | | 184 | 43 | 19 | 21 | 04 | | 004 | | MR |
| SA | 1746 | 160 SCT 250 -BKN | 20 | | | 198 | 41 | 21 | 30 | 04 | | 008 | | MR |
| SA | 1848 | 250 - SCT | 20 | | | 205 | 37 | 26 | 01 | 03 | | 010 | 224 1008 | MR |
| SA | 1946 | 160 SCT 250 - SCT | 20 | | | 209 | 36 | 26 | 03 | 03 | | 012 | | MR |
| SA | 2045 | 250 - SCT | 20 | | | 216 | 35 | 26 | 01 | 03 | | 013 | | MR |
| SA | 2147 | CLR | 20 | | | 220 | 34 | 25 | 08 | 02 | | 016 | 219 1070 49 | MR |
| SA | 2247 | CLR | 20 | | | 224 | 33 | 25 | 33 | 02 | | 017 | | MR |
| SA | 2345 | 250 - BKN | 20 | | | 225 | 34 | 24 | 09 | 03 | | 018 | | MR |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 02

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 47 | 26.460 | 29.8 | 26.7 | 67 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 00-01 |
| 01 46 | 26.480 | 29.4 | 26.6 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.500 | 28.7 | 26.0 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.505 | 27.2 | 25.1 | 75 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 2 | 1 | .045 | | | 03-04 |
| 04 46 | 26.520 | 28.0 | 25.4 | 70 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 49 | 26.540 | 31.3 | 27.7 | 63 | 3 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 46 | 26.555 | 32.8 | 27.0 | 46 | 8 | 8 | Cs | E250 | | | | | | | | | | | | 5 | 2 | .050 | | | 06-07 |
| 07 49 | 26.575 | 32.4 | 27.4 | 53 | 7 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 49 | 26.590 | 38.8 | 32.7 | 53 | 8 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 49 | 26.620 | 43.2 | 33.4 | 33 | 2 | 2 | Cs | 250 | | | | | | | | | | | | 1 | 2 | .065 | | | 09-10 |
| 10 50 | 26.610 | 45.0 | 34.4 | 31 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 46 | 26.600 | 45.2 | 33.9 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.590 | 48.3 | 36.1 | 27 | 2 | 2 | Ac | 160 | | | | | | | | | | | | 2 | 7 | .030 | | | 12-13 |
| 13 46 | 26.590 | 48.2 | 36.0 | 26 | 3 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.600 | 47.3 | 35.0 | 25 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 46 | 26.615 | 46.4 | 35.0 | 28 | 6 | 2 | Ac | 160 | 4 | Ci | 250 | 6 | | | | | | | | 2 | 3 | .025 | | | 15-16 |
| 16 45 | 26.635 | 42.9 | 33.9 | 38 | 7 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 46 | 26.670 | 40.8 | 33.4 | 46 | 7 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 48 | 26.685 | 37.0 | 32.6 | 64 | 2 | 2 | Cs | 250 | | | | | | | | | | | | 0 | 2 | .070 | | | 18-19 |
| 19 46 | 26.700 | 36.0 | 32.0 | 67 | 4 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 45 | 26.715 | 35.2 | 31.5 | 68 | 3 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 47 | 26.740 | 33.8 | 30.6 | 71 | 0 | 0 | Ac | 160 | | | | | | | | | | | | 0 | 2 | .055 | | | 21-22 |
| 22 47 | 26.750 | 33.1 | 30.0 | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.760 | 33.5 | 30.0 | 68 | 6 | | | | | | | | | | | | | | | 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 0342 | X | 0 | 0 | X | 31 | 27 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 35 | 27 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 43 | 27 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 49 | 43 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 46 | 33 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 34 | 33 | 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 | 26.505 | 26.620 | 26.615 | 26.740 |
| BAROGRAPH 64 | 26.495 | 26.610 | 26.615 | 26.715 |
| BAR. CORR. 65 | +.010 | +.010 | 0 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 27 | 0 | 0 | 0 | 10 | SW | 1532 1/ | | | | | 4 | 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: 0815 P ⊙2 Sec./ 1647P ⊙2 Sec./ ± Sec.

1/ LAST OF SEVERAL OCCURANCES

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: 1982 DEC 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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0044 | 250 - OVC | 20 | | | 222 | 33 | 25 | 04 | 02 | | 017 | 005 1007 | MR |
| SA | 0146 | 250 - OVC | 20 | | | 228 | 33 | 24 | 10 | 03 | | 019 | | MR |
| SA | 0250 | 250 - OVC | 20 | | | 233 | 32 | 25 | 35 | 02 | | 021 | | MR |
| SA | 0349 | 250 - OVC | 20 | | | 234 | 33 | 23 | 06 | 05 | | 021 | 108 1007 31 RADAT | RD |
| — | | | — | | | — | | | | | | — | 72L034104 | — |
| SA | 0449 | 250 - OVC | 20 | | | 234 | 32 | 23 | 13 | 05 | | 020 | | RD |
| SA | 0548 | 250 - BKN | 20 | | | 243 | 33 | 23 | 03 | 08 | | 023 | | RD |
| SA | 0649 | 250 - BKN | 20 | | | 250 | 38 | 20 | 33 | 03 | | 025 | 312 1008 | RD |
| SA | 0749 | 250 - BKN | 20 | | | 252 | 39 | 26 | 15 | 05 | | 025 | | RD |
| SA | 0847 | 250 - BKN | 20 | | | 255 | 43 | 23 | 03 | 10 | | 026 | | RD |
| SA | 0950 | 250 - BKN | 20 | | | 254 | 48 | 22 | 24 | 06 | | 027 | 208 1008 31 | RD |
| SA | 1048 | 250 - BKN | 20 | | | 252 | 51 | 25 | 03 | 11 | | 027 | | RD |
| SA | 1150 | 250 - BKN | 20 | | | 237 | 55 | 28 | 12 | 10 | | 024 | | RD |
| SA | 1248 | 250 - BKN | 20 | | | 227 | 58 | 31 | 36 | 05 | | 022 | 719 1008 | RD |
| SA | 1346 | 250 - BKN | 20 | | | 224 | 57 | 29 | 22 | 10 | | 020 | | RD |
| SA | 1450 | 250 - BKN | 20 | | | 220 | 56 | 29 | 22 | 07 | | 018 | | RD |
| SA | 1548 | 250 - OVC | 20 | | | 226 | 53 | 28 | 20 | 06 | | 020 | 503 1007 59 RADAT ± | MR |
| | | | | | | | | | | | | | 20145 | |
| SA | 1644 | 250 - OVC | 20 | | | 231 | 50 | 29 | 16 | 02 | | 021 | | MR |
| SA | 1746 | 250 - OVC | 20 | | | 236 | 47 | 30 | 12 | 02 | | 021 | | MR |
| SA | 1844 | 250 - OVC | 20 | | | 236 | 42 | 33 | 06 | 04 | | 022 | 205 1007 | MR |
| SA | 1948 | 250 - OVC | 20 | | | 238 | 40 | 33 | 08 | 03 | | 022 | | MR |
| SA | 2048 | E250 OVC | 20 | | | 235 | 39 | 33 | 07 | 04 | | 022 | | MR |
| SA | 2146 | E250 OVC | 20 | | | 238 | 38 | 32 | 09 | 02 | | 023 | 303 1002 59 | MR |
| SA | 2244 | E250 OVC | 20 | | | 235 | 37 | 32 | 11 | 02 | | 023 | | MR |
| SA | 2344 | 250 - OVC | 20 | | | 230 | 36 | 31 | 13 | 02 | | 022 | | MR |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 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 44 | 26.755 | 32.7 | 29.8 | 72 | 10 | 10 | CS | 250 | | | | | | | | | | | | 2 | 0 | .015 | | | 00-01 |
| 01 48 | 26.770 | 32.8 | 29.5 | 69 | 10 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.780 | 31.6 | 29.1 | 75 | 10 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 49 | 26.780 | 32.8 | 29.4 | 68 | 10 | 10 | CS | 250 | | | | | | | | | | | | 2 | 1 | .025 | | | 03-04 |
| 04 47 | 26.775 | 32.0 | 28.8 | 69 | 10 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 48 | 26.795 | 32.6 | 29.2 | 68 | 7 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 47 | 26.815 | 37.8 | 31.3 | 49 | 7 | 7 | CS | 250 | | | | | | | | | | | | 1 | 3 | .035 | | | 06-07 |
| 07 49 | 26.820 | 38.8 | 33.6 | 60 | 8 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 47 | 26.830 | 43.0 | 35.1 | 45 | 8 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 50 | 26.840 | 47.6 | 37.2 | 35 | 8 | 8 | CS | 250 | | | | | | | | | | | | 2 | 2 | .025 | | | 09-10 |
| 10 48 | 26.835 | 51.0 | 40.0 | 36 | 8 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 50 | 26.805 | 55.1 | 42.7 | 34 | 7 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 48 | 26.785 | 58.2 | 45.3 | 36 | 7 | 7 | CS | 250 | | | | | | | | | | | | 2 | 7 | .055 | | | 12-13 |
| 13 46 | 26.770 | 59.0 | 44.1 | 34 | 8 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.760 | 56.1 | 43.7 | 35 | 6 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 48 | 26.775 | 53.4 | 42.1 | 38 | 10 | 10 | CS | 250 | | | | | | | | | | | | 1 | 5 | .010 | | | 15-16 |
| 16 44 | 26.780 | 49.6 | 40.4 | 45 | 10 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 46 | 26.785 | 46.6 | 39.1 | 51 | 10 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 44 | 26.790 | 42.3 | 37.9 | 68 | 10 | 10 | CS | 250 | | | | | | | | | | | | 2 | 2 | .015 | | | 18-19 |
| 19 48 | 26.790 | 40.1 | 36.7 | 74 | 10 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 48 | 26.790 | 38.6 | 36.0 | 79 | 10 | | | | | | | | | | | | | | | 7 | | | | | 20-21 |
| 21 46 | 26.800 | 37.8 | 35.2 | 79 | 10 | 10 | CI | E250 | | | | | | | | | | | | 6 | 3 | .010 | | | 21-22 |
| 22 44 | 26.800 | 37.3 | 35.0 | 81 | 10 | | | | | | | | | | | | | | | 6 | | | | | 22-23 |
| 23 44 | 26.790 | 36.2 | 34.0 | 81 | 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 0343 | X | 0 | 0 | X | 34 | 31 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 34 | 31 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 48 | 31 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 59 | 48 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 53 | 38 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 38 | 36 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0949 | 1547 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.780 | 26.840 | 26.775 | 26.800 |
| BAROGRAPH 64 | 26.765 | 26.835 | 26.790 | 26.785 |
| BAR. CORR. 65 | +.015 | +.005 | -.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 31 | 0 | 0 | 0 | 13 | NE | 0912 1/ | | | | | 8 | 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: 0848 ±2 Sec./ 1748P ±2 Sec./ ± Sec.

1/ LAST OF SEVERAL OCCURENCES

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: 1982 DEC 4

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 | 0047 | 250 - OVC | 20 | | | 221 | 35 | 31 | 10 | 02 | | 019 | 810 1007 | MR |
| SA | 0146 | E250 OVC | 20 | | | 219 | 37 | 32 | 09 | 04 | | 019 | | MR |
| SA | 0250 | E250 OVC | 20 | | | 220 | 36 | 32 | 10 | 03 | | 019 | | MR |
| SA | 0350 | E250 OVC | 20 | | | 218 | 36 | 32 | 09 | 05 | | 018 | 805 1007 35 RADAT | RD |
| | | | | | | | | | | | | | 20138 | |
| SA | 0448 | E250 OVC | 20 | | | 217 | 36 | 32 | 09 | 05 | | 017 | | RD |
| SA | 0546 | E250 OVC | 20 | | | 219 | 37 | 32 | 10 | 06 | | 017 | | RD |
| SA | 0646 | E250 OVC | 20 | | | 221 | 36 | 31 | 27 | 03 | | 017 | 602 1007 | RD |
| SA | 0746 | E250 OVC | 20 | | | 224 | 40 | 31 | 13 | 04 | | 018 | | RD |
| SA | 0846 | 160 SCT E250 OVC | 20 | | | 226 | 43 | 33 | 18 | 03 | | 019 | | RD |
| SA | 0950 | 160 SCT 250 -OVC | 20 | | | 221 | 48 | 33 | 06 | 09 | | 018 | 002 1057 35 | RD |
| SA | 1048 | 160 SCT 250 -OVC | 20 | | | 208 | 52 | 35 | 24 | 05 | | 015 | | RD |
| SA | 1147 | 250 -OVC | 20 | | | 198 | 54 | 34 | 21 | 07 | | 013 | | RD |
| SA | 1248 | 250 -OVC | 20 | | | 185 | 59 | 32 | 28 | 04 | | 010 | 708 725 1007 | RD |
| SA | 1347 | 250 -OVC | 20 | | | 195 | 60 | 31 | 34 | 06 | | 007 | | RD |
| SA | 1450 | 250 -BKN | 20 | | | 174 | 62 | 31 | 02 | 08 | | 007 | | RD |
| SA | 1548 | 250 - BKN | 20 | | | 177 | 57 | 34 | 13 | 04 | | 007 | 508 1058 62 RADAT | MR |
| | | | | | | | | | | | | | 46118 | |
| SA | 1649 | 250 - SCT | 20 | | | 185 | 50 | 36 | 01 | 04 | | 008 | | MR |
| SA | 1746 | CLR | 20 | | | 190 | 47 | 34 | 23 | 02 | | 009 | | MR |
| SA | 1849 | CLR | 20 | | | 195 | 45 | 34 | 15 | 02 | | 010 | 210 | MR |
| SA | 1948 | CLR | 20 | | | 195 | 46 | 34 | 04 | 02 | | 011 | | MR |
| SA | 2046 | CLR | 20 | | | 195 | 41 | 34 | 10 | 04 | | 010 | | MR |
| SA | 2146 | CLR | 20 | | | 191 | 43 | 32 | 09 | 04 | | 010 | 000 62 | MR |
| SA | 2244 | CLR | 20 | | | 188 | 45 | 30 | 07 | 02 | | 011 | | MR |
| SA | 2345 | CLR | 20 | | | 189 | 42 | 30 | 36 | 02 | | 011 | | MR |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 4

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 47 | 26.770 | 34.9 | 33.1 | 84 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 8 | .030 | | | 00-01 |
| 01 46 | 26.770 | 37.0 | 34.6 | 80 | 10 | | | | | | | | | | | | | | | 7 | | | | | 01-02 |
| 02 50 | 26.765 | 35.9 | 34.0 | 84 | 10 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 50 | 26.765 | 36.0 | 34.2 | 85 | 10 | 10 | CS | E250 | | | | | | | | | | | | 6 | 8 | .015 | | | 03-04 |
| 04 48 | 26.750 | 36.1 | 34.1 | 83 | 10 | | | | | | | | | | | | | | | 6 | | | | | 04-05 |
| 05 46 | 26.750 | 37.2 | 34.8 | 80 | 10 | | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 46 | 26.750 | 36.3 | 34.0 | 81 | 10 | 10 | CS | E250 | | | | | | | | | | | | 6 | 6 | .005 | | | 06-07 |
| 07 46 | 26.760 | 39.6 | 35.9 | 71 | 10 | | | | | | | | | | | | | | | 6 | | | | | 07-08 |
| 08 46 | 26.765 | 42.7 | 38.4 | 69 | 10 | | | | | | | | | | | | | | | 6 | | | | | 08-09 |
| 09 50 | 26.755 | 47.8 | 41.0 | 57 | 10 | 1 | AC | 160 | 10 | CS | 250 | 10 | | | | | | | | 4 | 0 | .005 | | | 09-10 |
| 10 48 | 26.730 | 52.1 | 43.6 | 51 | 10 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 47 | 26.705 | 54.2 | 44.3 | 45 | 10 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 48 | 26.680 | 59.0 | 46.0 | 36 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 7 | .075 | | | 12-13 |
| 13 47 | 26.655 | 60.2 | 46.2 | 33 | 10 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 50 | 26.650 | 61.5 | 46.8 | 32 | 8 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 48 | 26.655 | 52.6 | 45.6 | 42 | 7 | 0 | AC | 180 | 7 | CS | 250 | 7 | | | | | | | | 1 | 5 | .025 | | | 15-16 |
| 16 49 | 26.665 | 50.2 | 43.2 | 57 | 1 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 46 | 26.675 | 47.0 | 41.0 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.685 | 45.1 | 40.0 | 65 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 18-19 |
| 19 48 | 26.690 | 46.0 | 40.2 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 46 | 26.685 | 41.4 | 37.9 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 46 | 26.685 | 42.6 | 38.0 | 67 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 44 | 26.690 | 45.1 | 38.3 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.690 | 42.0 | 36.9 | 63 | 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 0344 | X | 0 | 0 | X | 37 | 35 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 38 | 35 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 48 | 35 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 62 | 48 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 57 | 41 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 41 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0949 | 1547 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.755 | 26.755 | 26.655 | 26.685 |
| BAROGRAPH 64 | 26.755 | 26.755 | 26.665 | 26.675 |
| BAR. CORR. 65 | 0 | 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 35 | 0 | 0 | 0 | 13 | N | 1433 ✓ | | | | | 10 | 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: 0936 ±2 Sec./ 1652P ±2 Sec./ ± Sec.

✓ LAST OF SEVERAL OCCURANCES

MF1-10A
(1-82)

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

# SURFACE WEATHER OBSERVATIONS

STATION: W3MO, DESERT ROCK, NV

DATE: 1982 DEC 05

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 | CLR | 20 | | | 183 | 47 | 29 | 03 | 07 | | 011 | 102 | MR |
| SA | 0145 | CLR | 20 | | | 184 | 47 | 29 | 03 | 12 | | 011 | | MR |
| SA | 0250 | CLR | 20 | | | 182 | 45 | 30 | 10 | 07 | | 011 | | MR |
| SA | 0347 | CLR | 20 | | | 184 | 46 | 30 | 04 | 08 | | 011 | 000 41 RADAT 20121 | JK |
| SA | 0448 | CLR | 20 | | | 191 | 42 | 31 | 05 | 06 | | 011 | | JK |
| SA | 0545 | CLR | 20 | | | 198 | 45 | 29 | 12 | 04 | | 013 | | JK |
| SA | 0645 | CLR | 20 | | | 200 | 44 | 30 | 05 | 13 | | 013 | 107 | JK |
| SA | 0748 | CLR | 20 | | | 206 | 46 | 30 | 05 | 08 | | 015 | | JK |
| SA | 0846 | CLR | 20 | | | 208 | 49 | 30 | 03 | 12 | | 015 | C1 SW | JK |
| SA | 0947 | CLR | 20 | | | 205 | 52 | 29 | 03 | 07 | | 015 | 107 1001 41 | JK |
| SA | 1046 | CLR | 20 | | | 197 | 55 | 30 | 03 | 10 | | 014 | FEW C1 | JK |
| SA | 1145 | 250-SCT | 20 | | | 187 | 57 | 30 | 04 | 10 | | 011 | | JK |
| SA | 1248 | 250-SCT | 20 | | | 170 | 61 | 28 | 12 | 08 | | 008 | 824 1001 | JK |
| SA | 1345 | 250-BKN | 20 | | | 163 | 61 | 29 | 13 | 05 | | 005 | | JK |
| SA | 1445 | 250-BKN | 20 | | | 159 | 62 | 30 | 15 | 05 | | 004 | | JK |
| SA | 1548 | 250-SCT | 20 | | | 160 | 60 | 30 | 22 | 07 | | 004 | 610 1001 62 RADAT 20122 | EP |
| SA | 1648 | CLR | 20 | | | 169 | 54 | 31 | 11 | 04 | | 005 | | EP |
| SA | 1749 | CLR | 20 | | | 169 | 49 | 32 | 06 | 05 | | 005 | | EP |
| SA | 1850 | CLR | 20 | | | 185 | 45 | 32 | 02 | 05 | | 008 | 314 1001 | EP |
| SA | 1950 | CLR | 20 | | | 188 | 44 | 32 | 08 | 08 | | 010 | | EP |
| SA | 2047 | CLR | 20 | | | 188 | 41 | 32 | 08 | 04 | | 010 | | EP |
| SA | 2145 | CLR | 20 | | | 191 | 41 | 32 | 04 | 06 | | 011 | 307 62 | EP |
| SA | 2251 | CLR | 20 | | | 189 | 41 | 30 | 06 | 05 | | 011 | | EP |
| SA | 2348 | CLR | 20 | | | 181 | 39 | 30 | 35 | 05 | | 008 | | EP |

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

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

☆ 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: 1982 DEC 5

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 | 26.690 | 47.0 | 39.0 | 49 | 0 | | | | | | | | | | | | | | | 0 | 1 | .005 | | | 00-01 |
| 01 45 | 26.695 | 47.1 | 39.1 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.690 | 45.0 | 38.2 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.690 | 46.2 | 39.0 | 53 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 48 | 26.690 | 42.2 | 37.2 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.710 | 45.0 | 38.0 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.710 | 44.1 | 38.0 | 58 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 06-07 |
| 07 48 | 26.730 | 46.3 | 39.1 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 46 | 26.730 | 49.0 | 40.3 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 47 | 26.730 | 51.6 | 41.4 | 42 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 1 | .020 | | | 09-10 |
| 10 46 | 26.720 | 54.5 | 43.2 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.690 | 56.9 | 44.2 | 35 | 3 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 48 | 26.660 | 60.5 | 45.5 | 29 | 4 | 4 | CI | 250 | | | | | | | | | | | | 0 | 8 | .070 | | | 12-13 |
| 13 45 | 26.640 | 60.9 | 45.9 | 30 | 6 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 45 | 26.630 | 61.9 | 46.7 | 30 | 8 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 48 | 26.630 | 59.8 | 45.8 | 33 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 6 | .030 | | | 15-16 |
| 16 48 | 26.640 | 53.6 | 43.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 49 | 26.640 | 48.7 | 40.8 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.670 | 44.7 | 38.9 | 60 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .040 | | | 18-19 |
| 19 50 | 26.680 | 43.7 | 38.3 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.680 | 40.7 | 37.0 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 45 | 26.690 | 41.0 | 36.8 | 69 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 51 | 26.690 | 40.8 | 36.3 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.670 | 38.5 | 35.0 | 72 | 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 0344 | X | 0 | 0 | X | 47 | 42 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 47 | 41 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 52 | 41 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 62 | 52 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 60 | 40 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 39 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0946 | 1546 | 2142 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.690 | 26.730 | 26.630 | 26.690 |
| BAROGRAPH 64 | 26.680 | 26.720 | 26.650 | 26.680 |
| BAR. CORR. 65 | +.010 | *+.010 | -.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 39 | 0 | 0 | 0 | 17 | NE | 0414 | | | | | 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: 0840P ±2 Sec./ 2030 ±2 Sec./ ± Sec.

*BAROGRAPH CHANGED RESET TO ZERO CHR 0950 PST.

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 1982 DEC 6

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 | | | 179 | 37 | 31 | 03 | 03 | | 008 | 607 1001 | EP |
| SA | 0145 | CLR | 20 | | | 176 | 36 | 30 | 06 | 03 | | 007 | | EP |
| SA | 0250 | CLR | 20 | | | 175 | 36 | 30 | 32 | 03 | | 007 | | EP |
| SA | 0348 | CLR | 20 | | | 177 | 37 | 30 | 00 | 00 | | 007 | 603 34 RADAT 20127 | JK |
| SA | 0449 | CLR | 20 | | | 177 | 36 | 30 | 11 | 02 | | 006 | | JK |
| SA | 0545 | CLR | 20 | | | 182 | 34 | 29 | 31 | 03 | | 006 | | JK |
| SA | 0649 | 250 - SCT | 20 | | | 192 | 33 | 28 | 13 | 02 | | 009 | 303 1001 | JK |
| SA | 0745 | 250 - BKN | 20 | | | 194 | 38 | 31 | 36 | 02 | | 010 | | JK |
| SA | 0848 | 250 - OVC | 20 | | | 192 | 44 | 31 | 08 | 02 | | 010 | | JK |
| SA | 0947 | 250 - OVC | 20 | | | 194 | 49 | 32 | 00 | 00 | | 011 | 307 33 1007 33 | JK |
| SA | 1046 | 250 - OVC | 20 | | | 183 | 53 | 32 | 30 | 03 | | 009 | | JK |
| SA | 1145 | 250 - OVC | 20 | | | 170 | 55 | 32 | 27 | 03 | | 005 | | JK |
| SA | 1247 | 250 - OVC | 20 | | | 158 | 57 | 34 | 21 | 03 | | 002 | 827 1007 | JK |
| SA | 1348 | E 250 OVC | 20 | | | 158 | 57 | 32 | 22 | 02 | | 002 | | JK |
| SA | 1450 | E 250 OVC | 20 | | | 156 | 57 | 33 | 25 | 02 | | 001 | AC N | JK |
| SA | 1549 | E 250 OVC | 20 | | | 157 | 57 | 34 | 26 | 05 | | 002 | 500 1007 57 RADAT 33108 | EP |
| SA | 1645 | E 250 OVC | 20 | | | 163 | 51 | 37 | 09 | 03 | | 002 | | EP |
| SA | 1749 | E 250 OVC | 20 | | | 159 | 47 | 36 | 06 | 06 | | 999 | | EP |
| SA | 1849 | E 250 OVC | 20 | | | 162 | 44 | 36 | 05 | 03 | | 999 | 607 1007 | EP |
| SA | 1948 | E 250 BKN | 20 | | | 155 | 44 | 34 | 09 | 05 | | 998 | | EP |
| SA | 2047 | 250 - SCT | 20 | | | 150 | 40 | 33 | 00 | 00 | | 997 | | EP |
| SA | 2146 | 250 - SCT | 20 | | | 144 | 39 | 33 | 14 | 05 | | 995 | 814 1001 57 | EP |
| SA | 2248 | CLR | 20 | | | 131 | 37 | 32 | 09 | 03 | | 993 | | EP |
| SA | 2349 | 250 - SCT | 20 | | | 116 | 41 | 34 | 00 | 00 | | 990 | | EP |

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

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

☆ 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: 1982 DEC 6

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 | 26.670 | 37.3 | 34.5 | 77 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .020 | | | 00-01 |
| 01 45 | 26.660 | 35.7 | 33.3 | 80 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.660 | 35.8 | 33.3 | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.660 | 37.0 | 34.0 | 75 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 49 | 26.650 | 36.0 | 33.4 | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.650 | 33.9 | 31.9 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.670 | 33.3 | 31.2 | 81 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .010 | | | 06-07 |
| 07 45 | 26.680 | 38.2 | 35.1 | 75 | 6 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 48 | 26.680 | 43.8 | 38.3 | 61 | 10 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 47 | 26.690 | 49.0 | 41.0 | 51 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 4 | 3 | .020 | | | 09-10 |
| 10 46 | 26.670 | 52.8 | 43.1 | 45 | 10 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 45 | 26.640 | 55.1 | 44.0 | 41 | 10 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 47 | 26.610 | 57.3 | 45.7 | 41 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 4 | 8 | .080 | | | 12-13 |
| 13 48 | 26.610 | 57.0 | 45.0 | 38 | 10 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 50 | 26.600 | 57.2 | 45.3 | 39 | 10 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 49 | 26.610 | 56.8 | 45.8 | 43 | 10 | 10 | Cs | E250 | | | | | | | | | | | | 8 | 5 | .000 | | | 15-16 |
| 16 45 | 26.610 | 50.9 | 44.0 | 59 | 10 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 49 | 26.590 | 47.2 | 41.9 | 65 | 10 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 49 | 26.590 | 44.0 | 40.0 | 72 | 10 | 10 | Cs | E250 | | | | | | | | | | | | 7 | 6 | .020 | | | 18-19 |
| 19 48 | 26.580 | 43.9 | 39.3 | 68 | 9 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 47 | 26.570 | 40.0 | 36.8 | 75 | 4 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 46 | 26.550 | 39.0 | 36.5 | 80 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .040 | | | 21-22 |
| 22 48 | 26.530 | 37.1 | 34.9 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.500 | 41.3 | 37.8 | 74 | 5 | | | | | | | | | | | | | | | 1 | | | | | 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 | 39 | 34 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 41 | 34 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 49 | 33 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 57 | 49 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 57 | 39 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 37 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0945 | 1546 | 2143 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.660 | 26.690 | 26.610 | 26.550 |
| BAROGRAPH 64 | 26.660 | 26.690 | 26.600 | 26.530 |
| BAR. CORR. 65 | ±.0 | ±.0 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 33 | 0 | 0 | 0 | 8 | NE | 1658 | | | | | 9 | 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: 0800 ⊕2 Sec./ 2130 ⊕2 Sec./ ± Sec.

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: 1982 DEC 7

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 (Inc.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | E250 OVC | 20 | | | 108 | 39 | 33 | 06 | 03 | | 987 | 724 1007 | EP |
| SA | 0149 | E250 OVC | 20 | | | 111 | 40 | 32 | 36 | 05 | | 988 | | EP |
| SA | 0250 | 250-BKN | 20 | | | 112 | 37 | 32 | 22 | 04 | | 988 | | EP |
| SA | 0349 | E250 BKN | 20 | | | 116 | 38 | 31 | 35 | 05 | | 990 | 307 1006 36 RADAT 23103 | JK |
| SA | 0450 | 140 SCT E250 OVC | 20 | | | 114 | 44 | 27 | 05 | 12G24 | | 988 | | JK |
| SA | 0548 | 140 SCT E250 OVC | 20 | | | 119 | 44 | 21 | 05 | 12G24 | | 990 | | JK |
| SA | 0649 | E 100 BKN 250 OVC | 20 | | | 132 | 43 | 19 | 05 | 10G18 | | 993 | 310 1058 | JK |
| SA | 0747 | E 100 BKN 250 BKN | 20 | | | 141 | 41 | 17 | 04 | 20G30 | | 995 | | JK |
| SA | 0845 | 100 SCT E 160 BKN | 20 | | | 146 | 42 | 14 | 04 | 23 | | 996 | | JK |
| SA | 0945 | 100 SCT | 20 | | | 147 | 43 | 13 | 04 | 19G30 | | 997 | 310 1070 36 | JK |
| SA | 1045 | 100 SCT | 20 | | | 148 | 45 | 9 | 01 | 20 | | 997 | | JK |
| SA | 1145 | 100 SCT | 20 | | | 140 | 46 | 12 | 01 | 18 | | 995 | | JK |
| SA | 1245 | 100 SCT | 20 | | | 133 | 48 | 10 | 03 | 16 | | 993 | 810 1570 | JK |
| SA | 1350 | 100 SCT | 20 | | | 133 | 46 | 11 | 36 | 17 | | 993 | | JK |
| SA | 1450 | 100 SCT | 20 | | | 133 | 46 | 11 | 01 | 15 | | 992 | | JK |
| SA | 1550 | 100 SCT | 20 | | | 131 | 45 | 15 | 03 | 15G21 | | 992 | 603 1070 48 RADAT 34058 | EP |
| SA | 1646 | 100 SCT | 20 | | | 137 | 42 | 11 | 03 | 18G25 | | 994 | | EP |
| SA | 1750 | 100 SCT | 20 | | | 146 | 40 | 11 | 03 | 20G27 | | 996 | | EP |
| SA | 1850 | 100 SCT | 20 | | | 155 | 39 | 10 | 02 | 23G31 | | 998 | 220 1070 | EP |
| SA | 1948 | 100 SCT | 20 | | | 167 | 39 | 12 | 03 | 17G25 | | 002 | | EP |
| SA | 2045 | CLR | 20 | | | 172 | 37 | 11 | 03 | 15G20 | | 003 | | EP |
| SA | 2150 | CLR | 20 | | | 180 | 36 | 14 | 03 | 14G20 | | 005 | 320 1070 48 | EP |
| SA | 2249 | CLR | 20 | | | 174 | 36 | 15 | 03 | 15G21 | | 004 | | EP |
| SA | 2347 | CLR | 20 | | | 176 | 35 | 12 | 07 | 13 | | 004 | | EP |

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$N_hC_LC_MC_H$

☆ 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: 1982 DEC 7

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 | 26.480 | 39.0 | 36.3 | 79 | 10 | 10 | CS | E250 | | | | | | | | | | | | 8 | 7 | .070 | | | 00-01 |
| 01 49 | 26.490 | 39.6 | 36.2 | 73 | 10 | | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 50 | 26.490 | 36.5 | 34.5 | 83 | 6 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 49 | 26.500 | 38.0 | 35.0 | 76 | 6 | 6 | CS | E250 | | | | | | | | | | | | 4 | 3 | .020 | | | 03-04 |
| 04 50 | 26.490 | 43.8 | 36.7 | 51 | 10 | | | | | | | | | | | | | | | 6 | | | | | 04-05 |
| 05 48 | 26.500 | 44.0 | 35.0 | 39 | 10 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 49 | 26.530 | 43.3 | 34.2 | 37 | 10 | 8 | AC | E100 | 2 | CS | 250 | 10 | | | | | | | | 8 | 3 | .030 | | | 06-07 |
| 07 47 | 26.550 | 41.3 | 32.5 | 37 | 9 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 45 | 26.555 | 42.2 | 32.4 | 32 | 7 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 45 | 26.560 | 42.8 | 32.6 | 30 | 5 | 5 | AC | 100 | | | | | | | | | | | | 3 | 3 | .030 | | | 09-10 |
| 10 45 | 26.560 | 45.0 | 33.0 | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 45 | 26.550 | 46.1 | 34.1 | 25 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 45 | 26.530 | 48.3 | 35.1 | 21 | 1 | 0 | SC | 80 | 1 | AC | 100 | 1 | | | | | | | | 1 | 8 | .030 | | | 12-13 |
| 13 50 | 26.530 | 46.3 | 34.1 | 24 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.520 | 45.6 | 33.7 | 24 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 50 | 26.520 | 44.5 | 33.8 | 30 | 2 | 2 | AC | 100 | | | | | | | | | | | | 2 | 6 | .010 | | | 15-16 |
| 16 46 | 26.540 | 41.9 | 31.4 | 27 | 3 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 50 | 26.560 | 40.0 | 30.4 | 30 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 50 | 26.580 | 39.3 | 29.9 | 30 | 3 | 3 | AC | 100 | | | | | | | | | | | | 3 | 2 | .060 | | | 18-19 |
| 19 48 | 26.610 | 38.5 | 29.8 | 33 | 2 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 45 | 26.620 | 37.2 | 28.9 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.640 | 36.1 | 28.7 | 39 | 0 | 0 | AC | 100 | | | | | | | | | | | | 0 | 3 | .060 | | | 21-22 |
| 22 49 | 26.630 | 35.7 | 28.7 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.635 | 35.0 | 27.8 | 38 | 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 | 41 | 36 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 41 | 36 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 44 | 38 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 48 | 43 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 45 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 36 | 35 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0944 | 1546 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.500 | 26.520 | 26.520 | 26.640 |
| BAROGRAPH 64 | 26.480 | 26.550 | 26.520 | 26.620 |
| BAR. CORR. 65 | +.020 | +.010 | 0 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 35 | 0 | 0 | 0 | 32 | N | 1832 | | | | | 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: 0910 ±2 Sec./ 2035 ±2 Sec./ ± Sec.

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: 1982 DEC 8

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 | 0050 | 100 SCT | 20 | | | 171 | 36 | 24 | 04 | 13 | | 003 | 805 1070 | EP |
| SA | 0147 | E100 OVC | 20 | | | 177 | 36 | 23 | 06 | 15 | | 005 | | EP |
| SA | 0250 | E100 OVC | 20 | | | 177 | 37 | 23 | 06 | 12 | | 005 | | EP |
| SA | 0349 | 40 SCT E100 BKN 250 OVC | 20 | | | 178 | 37 | 22 | 06 | 16 | G23 | 005 | 105 1578 35 | [illegible] |
| — | — | | | | | | | | | | | | RADAT 46046 | — |
| SA | 0446 | 40SCT E100 BKN 250 OVC | 20 | | SW- | 181 | 34 | 27 | 09 | 16 | | 005 | SB35 | [illegible] |
| SA | 0548 | 40SCT 100SCT E250 OVC | 20 | | | 182 | 35 | 25 | 09 | 15 | | 005 | SE10 | [illegible] |
| SA | 0645 | 30SCT 100 SCT E250 OVC | 20 | | | 181 | 37 | 22 | 08 | 14 | | 005 | 40000 1547 | [illegible] |
| SA | 0745 | 40SCT 100SCT E250 OVC | 20 | | | 181 | 39 | 18 | 08 | 16 | G22 | 005 | SWU OBSCG MTNS SE-S | [illegible] |
| SA | 0845 | E40 BKN 100 BKN | 20 | | | 196 | 41 | 17 | 08 | 13 | | 010 | SWU OBSCG MTNS SE-S | [illegible] |
| SP | 0932 | E25 BKN 90 OVC | 10 | | RW- | | | | 10 | 16 | | 011 | MTNS OBSCD SE-S | [illegible] |
| SA | 0948 | M26 BKN 80 OVC | 5 | | RW-SW- | 205 | 41 | 25 | 11 | 17 | G23 | 012 | RB25 SB46 / 32000 | [illegible] |
| — | — | | | | | | | | | | | | 172/ 33 | — |
| SP | 1009 | W6X | 3 | | RW-SW- | | | | 09 | 16 | G21 | 014 | PRESRR | [illegible] |
| SA | 1045 | -X M8 OVC | 3 | | R-S- | 211 | 36 | 32 | 10 | 16 | G23 | 013 | S8 | [illegible] |
| SP | 1101 | 8 SCT M20 OVC | 7 | | R-S- | | | | 10 | 15 | G21 | 014 | | [illegible] |
| SA | 1145 | 11 SCT M22 OVC | 10 | | R- | 211 | 36 | 32 | 11 | 16 | G22 | 013 | SE22 | [illegible] |
| SP | 1218 | 11 SCT M30 OVC | 20 | | | | | | 11 | 17 | G23 | 012 | | [illegible] |
| SA | 1250 | 11 SCT M30 OVC | 10 | | R- | 206 | 39 | 33 | 11 | 16 | G22 | 012 | RE12 B38 / 00005 15 11 | [illegible] |
| SA | 1346 | 11 SCT M35 BKN 250 OVC | 20 | | | 206 | 40 | 34 | 10 | 17 | | 012 | RE03 SWU SE-S | [illegible] |
| SA | 1450 | M40 BKN 250 OVC | 20 | | | 205 | 43 | 33 | 11 | 16 | | 013 | SWU OBSCG MTNS SE | [illegible] |
| SA | 1545 | M45 BKN 250 BKN | | | | 205 | 44 | 32 | 12 | 14 | | 013 | CLOS OBSCG ~~HILTOP~~ MTNS SE | EP |
| | | | | | | | | | | | | | 10305 1501 44 RADAT 84067 | |
| SA | 1648 | M45 BKN | 20 | | | 208 | 43 | 32 | 10 | 13 | | 013 | CLOS OBSCG MTN TPS SE | EP |
| SA | 1748 | 50 SCT | 20 | | | 212 | 43 | 31 | 12 | 10 | | 014 | | EP |
| SA | 1852 | 50 SCT | 20 | | | 214 | 42 | 32 | 10 | 07 | | 015 | 307 1500 | EP |
| SA | 1949 | 50 SCT | 20 | | | 216 | 42 | 31 | 13 | 10 | | 016 | | EP |
| SA | 2046 | 50 SCT | 20 | | | 215 | 42 | 33 | 10 | 03 | | 016 | | EP |
| SA | 2145 | 45 SCT E100 BKN | 20 | | | 214 | 44 | 32 | 12 | 10 | | 016 | 103 1530 44 | EP |
| SA | 2250 | M45 BKN 100 OVC | 20 | | | 212 | 45 | 31 | 10 | 10 | | 015 | | EP |
| SA | 2346 | M45 BKN 100 BKN | 20 | | | 208 | 46 | 31 | 09 | 14 | | 014 | | 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$_1$W$_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 8

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 | 26.625 | 35.9 | 31.4 | 62 | 1 | 1 | Ac | 100 | | | | | | | | | | | | 1 | 8 | .015 | | | 00-01 |
| 01 47 | 26.640 | 36.2 | 31.2 | 59 | 10 | | | | | | | | | | | | | | | 9 | | | | | 01-02 |
| 02 50 | 26.640 | 36.9 | 31.5 | 56 | 10 | | | | | | | | | | | | | | | 9 | | | | | 02-03 |
| 03 49 | 26.640 | 37.2 | 31.3 | 53 | 10 | 3 | Sc | 40 | 6 | Ac | E100 | 9 | 1 | Cs | 250 | 10 | | | | 9 | 1 | .015 | | | 03-04 |
| 04 46 | 26.640 | 33.8 | 31.1 | 75 | 10 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 48 | 26.640 | 34.7 | 31.1 | 68 | 10 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 45 | 26.640 | 36.9 | 31.3 | 55 | 10 | 1 | Sc | 30 | 1 | Acsl | 100 | 2 | 10 | Cs | F250 | 10 | | | | 6 | 4 | .000 | | | 06-07 |
| 07 45 | 26.640 | 39.1 | 31.4 | 42 | 10 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 45 | 26.680 | 40.8 | 32.2 | 38 | 8 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 48 | 26.700 | 40.7 | 34.4 | 53 | 10 | 8 | STRA | M26 | 2 | Ns | 80 | 10 | | | | | | | | 10 | 3 | .060 | | | 09-10 |
| 10 45 | 26.710 | 36.2 | 34.5 | 85 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 45 | 26.710 | 36.0 | 34.4 | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 50 | 26.700 | 39.1 | 36.5 | 79 | 10 | 4 | STRA | 11 | 10 | Sc | M30 | 10 | | | | | | | | 10 | 0 | .000 | | | 12-13 |
| 13 46 | 26.700 | 40.0 | 37.1 | 79 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 50 | 26.710 | 42.9 | 38.5 | 68 | 10 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 45 | 26.710 | 43.5 | 38.3 | 63 | 9 | 8 | Sc | M45 | 1 | Ci | 250 | 9 | | | | | | | | 8 | 1 | .010 | | | 15-16 |
| 16 48 | 26.710 | 43.0 | 38.1 | 63 | 6 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 48 | 26.720 | 43.2 | 37.8 | 62 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 52 | 26.730 | 42.1 | 37.7 | 68 | 1 | 1 | Sc | 50 | | | | | | | | | | | | 1 | 3 | .020 | | | 18-19 |
| 19 49 | 26.740 | 42.4 | 37.5 | 65 | 4 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 46 | 26.740 | 41.9 | 37.8 | 70 | 1 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 45 | 26.740 | 43.9 | 38.4 | 62 | 7 | 3 | Sc | 45 | 4 | Ac | E100 | 7 | | | | | | | | 5 | 1 | .010 | | | 21-22 |
| 22 50 | 26.730 | 45.0 | 38.7 | 57 | 10 | | | | | | | | | | | | | | | 7 | | | | | 22-23 |
| 23 46 | 26.720 | 45.5 | 38.9 | 56 | 9 | | | | | | | | | | | | | | | 8 | | | | | 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 | 37 | 35 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 37 | 35 | | 0 | | | | | | | | |
| | 0944 | 2 | T | *T | 0 | 41 | 33 | | 1 | | | | | | | | |
| | 1542 | 3 | .05 | *T | 0 | 44 | 36 | | 1 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 44 | 42 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 44 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0948 | 1543 | 2144 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.640 | 26.700 | 26.710 | 26.740 |
| BAROGRAPH 64 | 26.625 | 26.680 | 26.710 | 26.730 |
| BAR. CORR. 65 | +.015 | +.020 | 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 33 | .05 | *T | 0 | 25 | E | 0956 | | | | | 10 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| SW- | 0435 | 0510 | | | |
| RW- | 0925 | 1015 | | | |
| SW- | 0946 | 1015 | | | |
| R- | 1015 | 1212 | | | |
| S- | 1015 | 1122 | | | |
| R- | 1238 | 1303 | | | |

## 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: 0958 ±3 Sec./ 2200 ±3 Sec./ ± Sec.

*MELTED AS IT FELL

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: 1982 DEC 9

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 | 0047 | M45 BKN 100 BKN | 20 | | | 204 | 45 | 32 | 11 | 06 | | 013 | 710 1530 | EP |
| SA | 0145 | M45 OVC | 20 | | | 195 | 47 | 30 | 09 | 10 | | 011 | | EP |
| SA | 0250 | M45 BKN 100 BKN 250 BKN | 20 | | | 190 | 45 | 28 | 09 | 10 | | 010 | | EP |
| SA | 0349 | M45 BKN 230 OVC | 20 | | | 189 | 46 | 29 | 04 | 06 | | 010 | 610 1508 42 20005 | [illegible] |
| — | — | | | | | | | | | | | | RADAT 88L098112119 | — |
| SA | 0448 | 45 SCT E230 BKN | 20 | | | 180 | 43 | 30 | 05 | 08 | | 007 | | [illegible] |
| SA | 0548 | 45 SCT E230 BKN | 20 | | | 172 | 43 | 31 | 03 | 11 | | 004 | | [illegible] |
| SA | 0647 | M45 BKN 230 BKN | 20 | | | 172 | 44 | 30 | 03 | 06 | | 004 | 617 1508 | [illegible] |
| SA | 0746 | M45 BKN 230 OVC | 20 | | | 161 | 47 | 32 | 09 | 06 | | 002 | BINOVC SWU SE | [illegible] |
| SA | 0845 | 45 SCT 100 SCT E230 BKN | 20 | | | 154 | 49 | 31 | 07 | 09 | | 999 | SC5L S | [illegible] |
| SA | 0945 | M45 OVC | 20 | | | 150 | 51 | 31 | 11 | 16 | | 999 | BINOVC /614 15// 36 | [illegible] |
| SA | 1045 | M45 OVC | 20 | | | 139 | 51 | 33 | 09 | 12 | | 996 | | [illegible] |
| SA | 1145 | M45 OVC | 20 | | | 124 | 50 | 30 | 10 | 17 | 622 | 992 | SWU OBSCG MTNS SE-S | [illegible] |
| SA | 1249 | M45 OVC | 20 | | | 108 | 50 | 33 | 11 | 17 | 623 | 987 | 737 15// | [illegible] |
| SA | 1349 | 15 SCT M45 OVC | 20 | | R- | 111 | 50 | 34 | 09 | 09 | | 988 | RB27 | [illegible] |
| SA | 1450 | 15 SCT M40 OVC | 20 | | R- | 117 | 48 | 37 | 09 | 07 | | 990 | 5 | [illegible] |
| SA | 1550 | 15 SCT M45 OVC | 20 | | R- | 122 | 47 | 39 | 04 | 09 | | 991 | 21001 17// 52 | / |
| | | | | | | | | | | | | | RADAT 94081 | WRC |
| SA | 1650 | 15 SCT M45 OVC | 20 | | R- | 127 | 46 | 38 | 09 | 07 | | 992 | | WRC |
| SA | 1750 | M 50 OVC | 20 | | | 131 | 46 | 37 | 09 | 06 | | 993 | RE37 | WRC |
| SA | 1850 | M 50 OVC | 20 | | | 130 | 46 | 37 | 10 | 08 | | 995 | 21200 15// | WRC |
| RS | 1950 | M 29 BKN 50 OVC | 20 | | R- | 145 | 45 | 39 | 12 | 09 | | 997 | RB 41 | WRC |
| SA | 2050 | M 29 BKN 50 OVC | 20 | | R- | 146 | 45 | 39 | 04 | 04 | | 996 | | WRC |
| SA | 2150 | M 29 BKN 50 BKN | 20 | | | 143 | 45 | 39 | 11 | 08 | | 997 | RE30 00800 1700 52 | WRC |
| SA | 2250 | M 29 BKN 50 OVC | 20 | | | 147 | 45 | 39 | 06 | 08 | | 998 | | WRC |
| RS | 2350 | 29 SCT E 50 BKN | 20 | | | 139 | 44 | 38 | 05 | 07 | | 996 | | 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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 9

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 47 | 26.710 | 45.0 | 39.0 | 59 | 8 | 7 | SC | M45 | 2 | AC | 100 | 9 | | | | | | | | 7 | 7 | .030 | | | 00-01 |
| 01 45 | 26.695 | 46.8 | 39.2 | 51 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.680 | 45.0 | 37.8 | 52 | 9 | | | | | | | | | | | | | | | 7 | | | | | 02-03 |
| 03 49 | 26.680 | 46.0 | 38.7 | 52 | 10 | 8 | SC | M45 | 2 | CS | 230 | 10 | | | | | | | | 10 | 6 | .030 | | | 03-04 |
| 04 48 | 26.650 | 42.9 | 37.3 | 60 | 8 | | | | | | | | | | | | | | | 6 | | | | | 04-05 |
| 05 48 | 26.630 | 42.7 | 37.7 | 64 | 8 | | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 47 | 26.630 | 43.7 | 37.8 | 59 | 9 | 8 | SC | M45 | 1 | CS | 230 | 9 | | | | | | | | 9 | 6 | .050 | | | 06-07 |
| 07 46 | 26.610 | 47.1 | 40.0 | 54 | 10 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 45 | 26.590 | 48.8 | 40.6 | 50 | 8 | | | | | | | | | | | | | | | 6 | | | | | 08-09 |
| 09 45 | 26.590 | 50.6 | 41.7 | 47 | 10 | 10 | SC | M45 | | | | | | | | | | | | 9 | 6 | .040 | | | 09-10 |
| 10 45 | 26.560 | 50.8 | 42.3 | 49 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 45 | 26.520 | 50.0 | 41.0 | 46 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 49 | 26.480 | 49.8 | 41.8 | 52 | 10 | 10 | SC | M45 | | | | | | | | | | | | 10 | 7 | .110 | | | 12-13 |
| 13 49 | 26.440 | 49.7 | 42.3 | 55 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.500 | 48.0 | 42.8 | 67 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 50 | 26.510 | 47.4 | 43.3 | 73 | 10 | 3 | CUFRA | 1.5 | 7 | SC | M45 | 10 | | | | | | | | 10 | 2 | .030 | | | 15-16 |
| 16 50 | 26.520 | 46.3 | 42.4 | 74 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 50 | 26.530 | 46.2 | 41.8 | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 50 | 26.545 | 46.2 | 41.7 | 70 | 10 | 10 | SC | M50 | | | | | | | | | | | | 10 | 2 | .035 | | | 18-19 |
| 19 50 | 26.570 | 44.7 | 41.8 | 80 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 50 | 26.575 | 44.5 | 41.8 | 81 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.570 | 45.2 | 42.0 | 78 | 9 | 7 | CUFRA | M29 | 2 | SC | 50 | 9 | | | | | | | | 9 | 0 | .025 | | | 21-22 |
| 22 50 | 26.580 | 45.0 | 41.9 | 78 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26.560 | 44.4 | 41.2 | 78 | 7 | | | | | | | | | | | | | | | 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 0345 | X | 0 | 0 | X | 47 | 45 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 47 | 44 | | 1 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 51 | 43 | | 0 | | | | | | | | |
| | 1546 | 3 | .01 | 0 | 0 | 52 | 47 | | 1 | | | | | | | | |
| | 2146 | 4 | T | 0 | 0 | 48 | 44 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 44 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0945 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.680 | 26.590 | 26.510 | 26.570 |
| BAROGRAPH 64 | 26.670 | 26.590 | 26.510 | 26.560 |
| BAR. CORR. 65 | +.010 | * ±.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 43 | .01 | 0 | 0 | 23 | E | 1242 | | | | | 10 | 9 | | |

### WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 1327 | 1737 | | | |
| R- | 1941 | 2130 | | | |

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: 0804 ±2 Sec./ 2350 ±2 Sec./ ± Sec.

* BAROGRAPH CHART CHANGED RESET TO ±.0 CORR.

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: 1982 DEC 10

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 (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 | 0050 | 29 SCT E50 BKN | 20 | | | 132 | 45 | 38 | 11 | 07 | | 994 | 8 10 1700 | WRG |
| SA | 0150 | 29 SCT E50 BKN | 20 | | | 132 | 45 | 38 | 04 | 07 | | 994 | | WRG |
| SA | 0250 | 29 SCT E50 BKN | 20 | | | 134 | 44 | 36 | 07 | 06 | | 994 | | WRG |
| SA | 0350 | M30 OVC | 20 | | | 126 | 45 | 37 | 07 | 09 | | 992 | 807 15// 44 20001 | WRG |
| — | — | | | | | | | | | | | | RADAT 74085 | — |
| SA | 0450 | M35 OVC | 20 | | | 131 | 44 | 36 | 04 | 11 | | 993 | | WRG |
| SA | 0517 | M35 OVC | 20 | | | 135 | 45 | 38 | 06 | 11 | | 994 | | WRG |
| SA | 0648 | M35 OVC | 20 | | | 142 | 45 | 36 | 07 | 09 | | 996 | BINOVC/314 15// | WRG |
| SA | 0745 | M38 BKN 230 BKN | 20 | | | 146 | 46 | 36 | 05 | 10 | | 997 | | WRG |
| SA | 0845 | M38 OVC | 20 | | | 154 | 48 | 36 | 04 | 10 | | 999 | BINOVC | WRG |
| SA | 0945 | M38 BKN | 20 | | | 158 | 51 | 37 | 03 | 12 | | 002 | 317 1500 44 | WRG |
| SA | 1044 | M38 BKN | 20 | | | 153 | 53 | 38 | 05 | 07 | | 001 | | WRG |
| SA | 1144 | M38 BKN 230 BKN | 20 | | | 145 | 56 | 38 | 05 | 09 | | 998 | | WRG |
| SA | 1244 | M38 BKN 230 BKN | 20 | | | 136 | 57 | 39 | 03 | 12 | | 996 | 817 1501 | WRG |
| SA | 1345 | M40 BKN 230 OVC | 20 | | | 135 | 58 | 38 | 04 | 07 | | 996 | | WRG |
| SA | 1450 | M45 OVC | 20 | | | 140 | 57 | 39 | 02 | 05 | | 997 | | WRG |
| SA | 1550 | M45 BKN | 20 | | | 143 | 58 | 36 | 04 | 05 | | 998 | 207 1500 59 | / |
| | | | | | | | | | | | | | RADAT 93L082091098 | WRG |
| SA | 1650 | 45 SCT | 20 | | | 155 | 52 | 39 | 06 | 06 | | 001 | | WRG |
| SA | 1750 | 45 SCT | 20 | | | 164 | 48 | 38 | 14 | 04 | | 003 | | WRG |
| SA | 1850 | CLR | 20 | | | 172 | 47 | 40 | 04 | 09 | | 005 | 220 | WRG |
| SA | 1950 | CLR | 20 | | | 175 | 47 | 36 | 04 | 07 | | 006 | | WRG |
| SA | 2050 | CLR | 20 | | | 184 | 43 | 36 | 36 | 07 | | 008 | | WRG |
| SA | 2150 | CLR | 20 | | | 188 | 46 | 35 | 34 | 03 | | 011 | 217 59 | WRG |
| SA | 2250 | CLR | 20 | | | 191 | 45 | 35 | 36 | 08 | | 012 | | WRG |
| SA | 2350 | CLR | 20 | | | 194 | 43 | 35 | 36 | 05 | | 013 | | 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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 10

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 | 26.540 | 45.1 | 41.7 | 76 | 8 | 5 | CUFM | 29 | 3 | SC | E50 | 8 | | | | | | | | 8 | 8 | .030 | | | 00-01 |
| 01 50 | 26.540 | 45.3 | 41.6 | 75 | 8 | | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 50 | 26.540 | 43.9 | 40.3 | 75 | 7 | | | | | | | | | | | | | | | 7 | | | | | 02-03 |
| 03 50 | 26.520 | 45.0 | 41.0 | 72 | 10 | 10 | SC | M30 | | | | | | | | | | | | 10 | 8 | .020 | | | 03-04 |
| 04 50 | 26.530 | 43.7 | 40.2 | 75 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 47 | 26.540 | 45.3 | 41.5 | 74 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 48 | 26.560 | 45.2 | 40.8 | 70 | 10 | 10 | SC | M35 | | | | | | | | | | | | 9 | 3 | .040 | | | 06-07 |
| 07 45 | 26.570 | 46.0 | 41.3 | 68 | 9 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 45 | 26.590 | 47.7 | 42.1 | 64 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 45 | 26.610 | 50.9 | 44.0 | 59 | 9 | 9 | SC | M38 | | | | | | | | | | | | 9 | 3 | .050 | | | 09-10 |
| 10 44 | 26.600 | 53.0 | 45.3 | 56 | 8 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 44 | 26.580 | 55.8 | 46.8 | 51 | 8 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 44 | 26.560 | 57.3 | 47.7 | 50 | 7 | 6 | SC | M38 | 1 | CI | 230 | 7 | | | | | | | | 7 | 8 | .050 | | | 12-13 |
| 13 45 | 26.560 | 57.9 | 47.8 | 48 | 10 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 50 | 26.570 | 57.2 | 47.8 | 51 | 10 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 50 | 26.580 | 58.2 | 47.3 | 45 | 8 | 8 | SC | M45 | | | | | | | | | | | | 8 | 2 | .020 | | | 15-16 |
| 16 50 | 26.600 | 52.4 | 45.4 | 59 | 4 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 50 | 26.620 | 48.0 | 43.0 | 68 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 50 | 26.640 | 46.7 | 43.1 | 77 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 18-19 |
| 19 50 | 26.650 | 47.2 | 41.7 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.670 | 43.1 | 39.9 | 77 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.690 | 46.2 | 40.8 | 65 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 21-22 |
| 22 50 | 26.700 | 45.2 | 40.2 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.710 | 42.9 | 39.1 | 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 | | 0 | 0 | | 45 | 44 | | | | | | | | | | |
| | 0345 | 1 | 0 | 0 | 0 | 46 | 44 | | 1 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 51 | 44 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 59 | 51 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 58 | 43 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 47 | 42 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0945 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.530 | 26.610 | 26.580 | 26.690 |
| BAROGRAPH 64 | 26.510 | 26.590 | 26.580 | 26.685 |
| BAR. CORR. 65 | +.010 | +.020 | ± 0 | +.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 | 42 | 0 | 0 | 0 | 16 | E | 0523 | | | | | 9 | 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: 0706 ±2 Sec./ 2317 ±2 Sec./ ± Sec.

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: 1982 DEC 11

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 | | | 198 | 42 | 34 | 20 | 03 | | 014 | 210 | WRG |
| SA | 0150 | CLR | 20 | | | 204 | 39 | 33 | 07 | 06 | | 015 | | WRG |
| SA | 0250 | CLR | 20 | | | 210 | 38 | 34 | 35 | 02 | | 017 | | WRG |
| SA | 0348 | CLR | 20 | | | 215 | 38 | 34 | 00 | 00 | | 018 | 214 37 RADAT 51106 | WRG |
| SA | 0445 | CLR | 20 | | | 219 | 39 | 34 | 10 | 03 | | 018 | | WRG |
| SA | 0550 | CLR | 20 | | | 229 | 38 | 34 | 07 | 03 | | 021 | | WRG |
| SA | 0645 | CLR | 20 | | | 236 | 39 | 35 | 06 | 04 | | 023 | 314 1500 | WRG |
| SA | 0745 | CLR | 20 | | | 239 | 41 | 35 | 32 | 03 | | 024 | | WRG |
| SA | 0845 | CLR | 20 | | | 246 | 47 | 37 | 03 | 08 | | 026 | | WRG |
| SA | 0948 | CLR | 20 | | | 246 | 49 | 34 | 03 | 13 | | 027 | 214 37 | WRG |
| SA | 1044 | CLR | 20 | | | 241 | 52 | 36 | 02 | 09 | | 026 | | WRG |
| SA | 1145 | CLR | 20 | | | 229 | 56 | 37 | 12 | 10 | | 023 | | WRG |
| SA | 1246 | CLR | 20 | | | 221 | 58 | 39 | 35 | 04 | | 021 | 820 1400 | WRG |
| SA | 1345 | CLR | 20 | | | 214 | 61 | 37 | 01 | 02 | | 018 | | WRG |
| SA | 1450 | CLR | 20 | | | 211 | 61 | 37 | 22 | 03 | | 017 | | WRG |
| SA | 1550 | CLR | 20 | | | 216 | 56 | 34 | 13 | 07 | | 018 | 507 61 RADAT 20128 | WRG |
| SA | 1650 | CLR | 20 | | | 218 | 52 | 33 | 10 | 09 | | 018 | | WRG |
| SA | 1750 | CLR | 20 | | | 224 | 48 | 35 | 13 | 11 | | 019 | | WRG |
| SA | 1850 | CLR | 20 | | | 234 | 46 | 34 | 00 | 00 | | 022 | 210 | WRG |
| SA | 1950 | CLR | 20 | | | 238 | 43 | 34 | 00 | 00 | | 023 | | WRG |
| SA | 2050 | CLR | 20 | | | 235 | 43 | 33 | 30 | 04 | | 023 | | WRG |
| SA | 2150 | CLR | 20 | | | 235 | 41 | 33 | 33 | 05 | | 023 | 103 61 | WRG |
| SA | 2250 | CLR | 20 | | | 232 | 41 | 32 | 17 | 05 | | 023 | | WRG |
| SA | 2350 | CLR | 20 | | | 227 | 40 | 32 | 05 | 04 | | 022 | | 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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

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: 1982 DEC 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 50 | 26.720 | 41.5 | 38.1 | 75 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 00-01 |
| 01 50 | 26.730 | 38.7 | 36.3 | 81 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.750 | 37.7 | 36.0 | 86 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.760 | 37.7 | 36.0 | 86 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 03-04 |
| 04 45 | 26.760 | 38.8 | 36.5 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.780 | 37.8 | 35.9 | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.800 | 39.0 | 37.0 | 84 | 0 | 0 | SC | 40 | | | | | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 45 | 26.810 | 40.7 | 38.0 | 80 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.830 | 46.8 | 41.8 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.840 | 48.6 | 41.7 | 57 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 09-10 |
| 10 44 | 26.830 | 52.2 | 44.2 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.800 | 55.7 | 46.1 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 46 | 26.780 | 58.4 | 48.1 | 48 | 0 | 0 | SE | 40 | | | | | | | | | | | | 0 | 8 | .060 | | | 12-13 |
| 13 45 | 26.760 | 60.8 | 48.7 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.750 | 60.7 | 48.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.760 | 56.0 | 45.2 | 43 | 0 | | | | | | | | | | | | | | | 0 | 5 | .020 | | | 15-16 |
| 16 50 | 26.760 | 52.6 | 43.0 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.770 | 47.8 | 41.6 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.790 | 45.8 | 40.1 | 62 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 18-19 |
| 19 50 | 26.800 | 43.0 | 38.8 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.800 | 43.0 | 36.6 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.800 | 41.2 | 37.6 | 73 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 21-22 |
| 22 50 | 26.800 | 40.7 | 37.0 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.790 | 39.7 | 36.1 | 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 0344 | X | 0 | 0 | X | 43 | 37 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 47 | 37 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 49 | 37 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 61 | 49 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 56 | 41 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 39 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0948 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.760 | 26.840 | 26.760 | 26.800 |
| BAROGRAPH 64 | 26.740 | 26.830 | 26.770 | 26.785 |
| BAR. CORR. 65 | +.020 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 37 | 0 | 0 | 0 | 13 | NE | 0948 | | | | | 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: 0651 ±2 Sec./ 2310P ±2 Sec./ ± Sec.

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: 1982 DEC 12

TO CONVERT LST TO GMT ADD 05 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 | | | 221 | 37 | 32 | 32 | 04 | | 020 | 808 | WRG |
| SA | 0150 | CLR | 20 | | | 223 | 36 | 31 | 00 | 00 | | 020 | | WRG |
| SA | 0250 | CLR | 20 | | | 222 | 37 | 31 | 00 | 00 | | 020 | | WRG |
| SA | 0346 | CLR | 20 | | | 216 | 38 | 31 | 09 | 05 | | 018 | 805 35 RADAT 20126 | SH |
| SA | 0445 | CLR | 20 | | | 217 | 35 | 30 | 01 | 05 | | 017 | | SH |
| SA | 0545 | CLR | 20 | | | 220 | 34 | 29 | 07 | 04 | | 017 | | SH |
| SA | 0646 | ~~CLR~~ 250 - SCT | 20 | | | 227 | 33 | 29 | 00 | 00 | | 018 | 500 1001 | SH |
| SA | 0746 | CLR | 20 | | | 221 | 37 | 32 | 28 | 04 | | 017 | FEW CI | SH |
| SA | 0845 | CLR | 20 | | | 217 | 43 | 32 | 00 | 00 | | 017 | | SH |
| SA | 0947 | CLR | 20 | | | 212 | 48 | 32 | 04 | 02 | | 016 | 707 1500 32 | SH |
| SA | 1047 | CLR | 20 | | | 212 | 51 | 34 | 28 | 04 | | 016 | FEW SC | SH |
| SA | 1148 | CLR | 20 | | | 189 | 54 | 35 | 34 | 02 | | 011 | SC S | SH |
| SA | 1247 | CLR | 20 | | | 180 | 55 | 34 | 17 | 04 | | 007 | 827 1501 | SH |
| SA | 1345 | 250 - SCT | 20 | | | 169 | 55 | 34 | 01 | 04 | | 004 | | SH |
| SA | 1445 | 250 - BKN | 20 | | | 164 | 55 | 34 | 13 | 04 | | 003 | | SH |
| SA | 1550 | 250 - BKN | 20 | | | 159 | 55 | 34 | 08 | 07 | | 002 | 617 1006 57 RADAT 20134 | ~~008~~ |
| SA | 1650 | 250 - SCT | 20 | | | 162 | 49 | 34 | 11 | 08 | | 001 | | ~~008~~ |
| SA | 1750 | 250 SCT | 20 | | | 164 | 45 | 36 | 12 | 09 | | 001 | | ~~008~~ |
| SA | 1850 | 250 SCT | 20 | | | 170 | 44 | 35 | 10 | 08 | | 002 | 500 1002 | ~~008~~ |
| SA | 1948 | 250 SCT | 20 | | | 164 | 43 | 35 | 11 | 08 | | 001 | | 008 |
| SA | 2049 | 250 SCT | 20 | | | 157 | 42 | 35 | 12 | 04 | | 000 | | 008 |
| SA | 2147 | 250 SCT | 20 | | | 148 | 39 | 34 | 04 | 03 | | 997 | 814 1002 57 | 008 |
| SA | 2246 | 250 SCT | 20 | | | 144 | 39 | 34 | 35 | 03 | | 996 | | 008 |
| SA | 2345 | 250 SCT | 20 | | | 135 | 37 | 32 | 02 | 02 | | 994 | | 008 |

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: 1982 DEC 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 | 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 | 26.775 | 37.3 | 34.9 | 80 | 0 | | | | | | | | | | | | | | | 0 | 8 | .025 | | | 00-01 |
| 01 50 | 26.780 | 36.0 | 33.8 | 81 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.780 | 37.4 | 34.6 | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 46 | 26.760 | 38.0 | 34.8 | 76 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 03-04 |
| 04 45 | 26.750 | 34.6 | 32.7 | 83 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.750 | 34.0 | 32.0 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.760 | 32.6 | 31.0 | 85 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 1 | 5 | .000 | | | 06-07 |
| 07 46 | 26.750 | 37.0 | 34.8 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.750 | 42.6 | 38.0 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 47 | 26.740 | 48.4 | 41.0 | 53 | 0 | 0 | Sc | 40 | | | | | | | | | | | | 0 | 7 | .020 | | | 09-10 |
| 10 47 | 26.740 | 50.7 | 42.8 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.690 | 54.0 | 44.7 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 47 | 26.660 | 54.5 | 44.4 | 45 | 0 | 0 | Sc | 40 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 8 | .080 | | | 12-13 |
| 13 45 | 26.630 | 55.0 | 44.7 | 44 | 5 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 45 | 26.620 | 55.3 | 45.0 | 44 | 8 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 50 | 26.610 | 55.1 | 45.0 | 46 | 8 | 8 | Ci | 250 | | | | | | | | | | | | 3 | 6 | .050 | | | 15-16 |
| 16 50 | 26.600 | 49.2 | 42.1 | 56 | 4 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 50 | 26.600 | 45.2 | 41.0 | 71 | 4 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 50 | 26.610 | 43.6 | 39.6 | 72 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 4 | 5 | .000 | | | 18-19 |
| 19 48 | 26.600 | 42.5 | 38.9 | 74 | 4 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 49 | 26.590 | 42.0 | 38.6 | 75 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 47 | 26.570 | 39.1 | 36.6 | 80 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 3 | 8 | .040 | | | 21-22 |
| 22 46 | 26.560 | 39.0 | 36.6 | 81 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 45 | 26.540 | 37.2 | 35.0 | 82 | 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 0342 | X | 0 | 0 | X | 40 | 35 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 41 | 35 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 48 | 32 | | 0 | | | | | | | | |
| | 1541 | 3 | 0 | 0 | 0 | 57 | 48 | | 0 | | | | | | | | |
| | 2140 | 4 | 0 | 0 | 0 | 55 | 39 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 39 | 36 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0344 | 0945 | 1549 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.760 | 26.740 | 26.610 | 26.570 |
| BAROGRAPH 64 | 26.755 | 26.740 | 26.620 | 26.565 |
| BAR. CORR. 65 | +.005 | 0 | -.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 32 | 0 | 0 | 0 | 10 | SE | 1801 | | | | | 2 | 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: 0444 ±2Sec./ 2035P ±2Sec./ ± Sec.

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: 1982 DEC 13

TO CONVERT LST TO GMT ADD 5 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. SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0046 | 250 SCT | 20 | | | 121 | 38 | 33 | 07 | 02 | | 991 | 820 1002 | 008 |
| SA | 0148 | 250 SCT | 20 | | | 115 | 36 | 31 | 01 | 04 | | 988 | | 008 |
| SA | 0249 | 250 SCT | 20 | | | 113 | 38 | 32 | 11 | 05 | | 988 | | 008 |
| SA | 0347 | 250 SCT | 20 | | | 106 | 37 | 32 | 13 | 05 | | 986 | 714 1002 35 | SH |
| | — | | | | | — | | | | | | — | RADAT 86407208 4094 | — |
| SA | 0445 | 250 SCT | 20 | | | 109 | 38 | 32 | 11 | 04 | | 986 | | SH |
| SA | 0546 | 130 SCT 250 SCT | 20 | | | 121 | 35 | 31 | 12 | 06 | | 988 | | SH |
| SA | 0645 | 50 SCT 250 SCT | 20 | | | 129 | 37 | 32 | 12 | 03 | | 991 | 314 1501 | SH |
| SA | 0746 | 40 SCT | 20 | | | 133 | 37 | 32 | 13 | 02 | | 992 | | SH |
| SA | 0845 | 40 SCT | 20 | | | 138 | 44 | 35 | 35 | 03 | | 994 | | SH |
| SA | 0947 | M30 OVC | 20 | | RW- | 158 | 44 | 36 | 32 | 12 | G24 | 999 | RB25/32700 1500 34 | SH |
| RS | 1046 | 40 SCT 250 SCT | 20 | | | 154 | 46 | 36 | 12 | 04 | | 998 | RE10 WSHFT 35 | SH |
| SA | 1148 | 40 SCT | 20 | | | 139 | 52 | 31 | 30 | 06 | | 995 | | SH |
| SA | 1242 | CLR | 20 | | | 135 | 53 | 19 | 33 | 12 | | 994 | 71704 1500 | SH |
| SA | 1343 | CLR | 20 | | | 134 | 53 | 23 | 34 | 14 | | 994 | | SH |
| SA | 1442 | CLR | 20 | | | 142 | 53 | 15 | 31 | 14 | | 996 | | SH |
| SA | 1540 | CLR | 20 | | | 155 | 51 | 18 | 32 | 11 | G16 | 999 | 31704 54 RADAT 38069 | 008 |
| SA | 1640 | CLR | 20 | | | 165 | 47 | 22 | 33 | 08 | | 002 | | 008 |
| SA | 1739 | CLR | 20 | | | 172 | 44 | 22 | 33 | 05 | | 003 | | 008 |
| SA | 1840 | CLR | 20 | | | 175 | 43 | 23 | 07 | 06 | | 004 | 114 | 008 |
| SA | 1949 | CLR | 20 | | | 182 | 38 | 24 | 08 | 05 | | 005 | | 008 |
| SA | 2046 | CLR | 20 | | | 186 | 38 | 23 | 01 | 06 | | 007 | | 008 |
| SA | 2149 | CLR | 20 | | | 186 | 37 | 23 | 08 | 03 | | 007 | 110 54 | 008 |
| SA | 2248 | CLR | 20 | | | 193 | 37 | 23 | 34 | 07 | | 010 | | 008 |
| SA | 2345 | CLR | 20 | | | 194 | 36 | 22 | 05 | 03 | | 011 | | 008 |

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 6RRR$t_R$ 7wwW$_1$W$_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 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 | 26.510 | 38.0 | 35.6 | 80 | 3 | 3 | ci | 250 | | | | | | | | | | | | 3 | 8 | .060 | | | 00-01 |
| 01 48 | 26.490 | 36.2 | 34.1 | 82 | 3 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 49 | 26.490 | 37.6 | 35.2 | 80 | 3 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 47 | 26.470 | 37.4 | 35.0 | 81 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 3 | 7 | .040 | | | 03-04 |
| 04 45 | 26.470 | 38.2 | 35.5 | 78 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 46 | 26.490 | 34.6 | 32.9 | 85 | 5 | | | | | | | | | | | | | | | 4 | | | | | 05-06 |
| 06 45 | 26.510 | 36.5 | 34.5 | 83 | 5 | 3 | Sc | 50 | 2 | Ci | 250 | 5 | | | | | | | | 4 | 3 | .040 | | | 06-07 |
| 07 46 | 26.520 | 37.4 | 35.2 | 82 | 2 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 45 | 26.540 | 43.7 | 39.3 | 72 | 4 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 47 | 26.590 | 43.7 | 40.0 | 74 | 10 | 10 | Sc | M30 | | | | | | | | | | | | 10 | 3 | .080 | | | 09-10 |
| 10 46 | 26.580 | 45.6 | 40.8 | 68 | 3 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 48 | 26.550 | 51.6 | 42.2 | 45 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 42 | 26.540 | 52.6 | 39.2 | 26 | 0 | 0 | Sc | 40 | | | | | | | | | | | | 0 | 7 | .050 | | | 12-13 |
| 13 43 | 26.540 | 53.4 | 40.7 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 42 | 26.560 | 52.6 | 38.4 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 40 | 26.590 | 50.9 | 38.1 | 27 | 0 | | | | | | | | | | | | | | | 0 | 3 | .050 | | | 15-16 |
| 16 40 | 26.610 | 47.2 | 37.1 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 39 | 26.620 | 44.2 | 35.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 40 | 26.630 | 43.0 | 35.0 | 44 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 18-19 |
| 19 49 | 26.640 | 38.2 | 32.7 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 46 | 26.660 | 37.9 | 32.1 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.660 | 37.4 | 31.8 | 55 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 21-22 |
| 22 48 | 26.680 | 37.0 | 31.6 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.690 | 36.4 | 31.0 | 56 | 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 | 38 | 35 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 39 | 35 | | 0 | | | | | | | | |
| | 0943 | 2 | T | 0 | 0 | 44 | 34 | | 1 | | | | | | | | |
| | 1535 | 3 | .04 | 0 | 0 | 54 | 44 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 51 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 37 | 35 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | TIME (L.S.T.) 59 | 0342 | 0943 | 1539 | 2148 |
|---|---|---|---|---|---|
| ATT. THERM. 60 | | | | | |
| OBSRVD. BAR. 61 | | | | | |
| TOTAL CORR. 62 | | | | | |
| STA. PRESS. 63 | | 26.470 | 26.590 | 26.590 | 26.660 |
| BAROGRAPH 64 | | 26.460 | 26.580 | 26.580 | 26.670 |
| BAR. CORR. 65 | | +.010 | *+.010 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | 34 | .04 | 0 | 0 | 27 | NW | 0948 | | | | | 3 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0925 | 1010 | | | |

## 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: 0635P ± 2 Sec./ 2235P ± 1 Sec./ ± Sec.

* BAROGRAM CHANGED - RESET TO ZERO CORRECTION 0953P

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: 1982 DEC 14

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 | 0043 | CLR | 20 | | | 198 | 34 | 22 | 03 | 03 | | 012 | 114 | 008 |
| SA | 0148 | CLR | 20 | | | 202 | 33 | 22 | 08 | 03 | | 013 | | 008 |
| SA | 0243 | CLR | 20 | | | 207 | 32 | 22 | 25 | 02 | | 014 | | 008 |
| SA | 0347 | CLR | 20 | | | 210 | 29 | 21 | 12 | 08 | | 014 | 107 29 20004 | SH |
| | — | | — | | | — | | | | | | — | RADAT 40066 | — |
| SA | 0444 | CLR | 20 | | | 218 | 28 | 21 | 00 | 00 | | 015 | | SH |
| SA | 0545 | CLR | 20 | | | 225 | 28 | 18 | 09 | 05 | | 017 | | SH |
| SA | 0647 | CLR | 20 | | | 236 | 27 | 20 | 15 | 04 | | 019 | 217 1001 | SH |
| SA | 0745 | CLR | 20 | | | 245 | 30 | 22 | 08 | 05 | | 022 | | SH |
| SA | 0847 | CLR | 20 | | | 244 | 37 | 22 | 12 | 03 | | 023 | | SH |
| SA | 0949 | CLR | 20 | | | 245 | 41 | 16 | 23 | 03 | | 024 | 214 1001 27 | SH |
| SA | 1046 | CLR | 20 | | | 239 | 47 | 20 | 07 | 02 | | 023 | | SH |
| SA | 1145 | CLR | 20 | | | 227 | 49 | 19 | 15 | 08 | | 019 | | SH |
| SA | 1247 | 250 -SCT | 20 | | | 225 | 53 | 16 | 28 | 06 | | 019 | 614 1001 | SH |
| SA | 1346 | 250 -SCT | 20 | | | 221 | 53 | 21 | 19 | 07 | | 018 | | SH |
| SA | 1445 | 250 -BKN | 20 | | | 218 | 54 | 16 | 10 | 03 | | 017 | | SH |
| SA | 1545 | 250 - OVC | 20 | | | 224 | 52 | 16 | 22 | 04 | | 018 | 503 1007 54 | SH |
| SH | 1645 | 250 - OVC | 20 | | | 237 | 45 | 21 | 17 | 04 | | 021 | RADAT 20083 | 008 |
| SA | 1748 | E 250 BKN | 20 | | | 244 | 40 | 27 | 09 | 03 | | 022 | | 008 |
| SA | 1844 | 250 SCT | 20 | | | 246 | 40 | 26 | 10 | 08 | | 022 | 110 1002 | 008 |
| SA | 1949 | 250 SCT | 20 | | | 258 | 35 | 26 | 35 | 03 | | 025 | | 008 |
| SA | 2044 | 250 SCT | 20 | | | 249 | 38 | 26 | 10 | 02 | | 024 | ~~000~~ | 008 |
| SA | 2148 | E250 BKN | 20 | | | 235 | 41 | 22 | 10 | 08 | | 022 | 000 1002 54 | 008 |
| SA | 2245 | E250 BKN | 20 | | | 246 | 37 | 25 | 07 | 07 | | 025 | | 008 |
| SA | 2346 | E250 BKN | 20 | | | 241 | 38 | 24 | 10 | 06 | | 024 | | 008 |

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$_2$ 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: 1982 DEC 14

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 43 | 26.700 | 33.8 | 29.6 | 62 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 00-01 |
| 01 48 | 26.710 | 32.9 | 29.0 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 43 | 26.720 | 32.4 | 28.6 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.720 | 29.4 | 26.6 | 70 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 44 | 26.730 | 28.0 | 25.8 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.750 | 28.4 | 25.3 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.770 | 27.3 | 25.2 | 75 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 45 | 26.790 | 30.0 | 27.3 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.800 | 36.6 | 31.0 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.810 | 41.2 | 32.2 | 36 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .040 | | | 09-10 |
| 10 46 | 26.800 | 47.0 | 36.4 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.770 | 48.6 | 37.2 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 47 | 26.770 | 52.6 | 38.6 | 23 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .040 | | | 12-13 |
| 13 46 | 26.760 | 53.0 | 39.8 | 28 | 5 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 45 | 26.750 | 53.6 | 39.0 | 20 | 7 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 45 | 26.760 | 51.7 | 38.0 | 23 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 3 | 5 | .010 | | | 15-16 |
| 16 45 | 26.780 | 44.8 | 35.6 | 39 | 10 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 48 | 26.790 | 40.4 | 34.8 | 58 | 8 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 44 | 26.790 | 39.9 | 34.1 | 56 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 3 | 1 | .030 | | | 18-19 |
| 19 49 | 26.820 | 35.4 | 31.6 | 68 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 44 | 26.810 | 37.7 | 33.1 | 63 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 48 | 26.790 | 41.4 | 37.9 | 46 | 7 | 7 | Ci | 8250 | | | | | | | | | | | | 6 | 0 | .000 | | | 21-22 |
| 22 45 | 26.820 | 36.8 | 32.2 | 62 | 8 | | | | | | | | | | | | | | | 8 | | | | | 22-23 |
| 23 46 | 26.810 | 37.8 | 32.4 | 57 | 7 | | | | | | | | | | | | | | | 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 0343 | X | 0 | 0 | X | 36 | 29 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 37 | 29 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 41 | 27 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 54 | 41 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 52 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 36 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0345 | 0947 | 1544 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.720 | 26.810 | 26.760 | 26.790 |
| BAROGRAPH 64 | 26.725 | 26.810 | 26.760 | 26.785 |
| BAR. CORR. 65 | -.005 | .0 | 0 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | 27 | 0 | 0 | 0 | 12 | E | 2119 | | | | | 2 | 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: 0705P ± 28 Sec. / 2305P ± 1 Sec. / ± Sec.

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: 1982 DEC 15

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 | E250 BKN | 20 | | | 230 | 38 | 23 | 02 | 03 | | 022 | 000 1002 | 008 |
| SA | 0145 | E250 OVC | 20 | | | 218 | 39 | 25 | 09 | 10 | | 018 | | 008 |
| SA | 0248 | E250 OVC | 20 | | | 237 | 38 | 24 | 31 | 03 | | 024 | | 008 |
| SA | 0347 | E250 OVC | 20 | | | 233 | 38 | 23 | 09 | 04 | | 023 | 002 1007 3 5 | / |
| | | | | | | | | | | | | | RADAT 23H074076083/2 | JD |
| SA | 0447 | E250 OVC | 20 | | | 244 | 35 | 25 | 04 | 03 | | 024 | | JD |
| SA | 0547 | E250 OVC | 20 | | | 245 | 37 | 24 | 06 | 05 | | 024 | | JD |
| SA | 0647 | E250 OVC | 20 | | | 256 | 34 | 25 | 05 | 05 | | 026 | 312 1007 | JD |
| SA | 0747 | E250 OVC | 20 | | | 270 | 35 | 25 | 34 | 02 | | 029 | | JD |
| SA | 0848 | E250 OVC | 20 | | | 273 | 38 | 25 | 32 | 04 | | 031 | | JD |
| SA | 0948 | 140 SCT E250 OVC | 20 | | | 273 | 42 | 22 | 30 | 02 | | 033 | 120 1077 33 | JD |
| SA | 1046 | 140 SCT E250 OVC | 20 | | | 265 | 47 | 22 | 11 | 09 | | 031 | | JD |
| SA | 1147 | 140 SCT E250 OVC | 20 | | | 255 | 49 | 22 | 12 | 07 | | 028 | | JD |
| SA | 1250 | 140 SCT E250 BKN | 20 | | | 246 | 51 | 22 | 12 | 06 | | 026 | 820 1077 8 | JD |
| SA | 1348 | 140 SCT 250 -BKN | 20 | | | 244 | 49 | 21 | 11 | 07 | | 025 | | JD |
| SA | 1450 | 140 SCT 250 -BKN | 20 | | | 244 | 49 | 22 | 12 | 09 | | 025 | | JD |
| SA | 1545 | 150 SCT 250 SCT | 20 | | | 248 | 48 | 23 | 13 | 10 | | 026 | 500 1078 52 RADAT 45113 | 008 |
| SA | 1648 | 150 SCT 250 SCT | 20 | | | 256 | 44 | 25 | 12 | 09 | | 027 | | 008 |
| SA | 1748 | 150 SCT 250 SCT | 20 | | | 265 | 41 | 26 | 11 | 09 | | 029 | | 008 |
| SA | 1847 | CLR | 20 | | | 271 | 40 | 25 | 09 | 04 | | 030 | 214 | 008 |
| SA | 1945 | CLR | 20 | | | 279 | 41 | 24 | 03 | 03 | | 033 | | 008 |
| SA | 2044 | CLR | 20 | | | 280 | 35 | 25 | 05 | 05 | | 033 | | 008 |
| SA | 2149 | CLR | 20 | | | 276 | 35 | 26 | 04 | 06 | | 033 | 107 52 | 008 |
| SA | 2245 | CLR | 20 | | | 277 | 35 | 25 | 07 | 07 | | 034 | | 008 |
| SA | 2349 | CLR | 20 | | | 273 | 35 | 25 | 04 | 02 | | 033 | | 008 |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

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: 1982 DEC 15

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 | 26.790 | 38.1 | 32.4 | 55 | 7 | 7 | ci | E250 | | | | | | | | | | | | 7 | 0 | .000 | | | 00-01 |
| 01 45 | 26.760 | 38.8 | 33.2 | 56 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 48 | 26.810 | 38.0 | 32.4 | 56 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 49 | 26.795 | 37.8 | 32.2 | 55 | 10 | 10 | Cs | E250 | | | | | | | | | | | | 10 | 0 | .005 | | | 03-04 |
| 04 47 | 26.810 | 34.7 | 31.0 | 68 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 47 | 26.805 | 36.6 | 31.6 | 59 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 47 | 26.830 | 34.1 | 30.7 | 69 | 10 | 10 | Cs | E250 | | | | | | | | | | | | 10 | 3 | .035 | | | 06-07 |
| 07 47 | 26.860 | 34.5 | 30.8 | 67 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 48 | 26.875 | 37.6 | 32.8 | 61 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 48 | 26.890 | 41.9 | 34.3 | 46 | 10 | 1 | Ac | 140 | 10 | Cs | E250 | 10 | | | | | | | | 10 | 1 | .060 | | | 09-10 |
| 10 46 | 26.870 | 46.7 | 36.7 | 37 | 10 | | | | | | | | | | | | | | | 7 | | | | | 10-11 |
| 11 47 | 26.850 | 48.7 | 37.8 | 34 | 10 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 50 | 26.830 | 50.5 | 38.7 | 32 | 9 | 1 | Ac | 140 | 9 | Cs | E250 | 9 | | | | | | | | 6 | 8 | .060 | | | 12-13 |
| 13 48 | 26.820 | 49.1 | 37.9 | 33 | 9 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.820 | 49.1 | 38.0 | 34 | 8 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 45 | 26.830 | 47.8 | 37.6 | 36 | 5 | 1 | Ac | 150 | 4 | Cs | 250 | 5 | | | | | | | | 4 | 5 | .000 | | | 15-16 |
| 16 48 | 26.840 | 43.9 | 36.3 | 48 | 5 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 48 | 26.860 | 41.4 | 35.2 | 55 | 4 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 47 | 26.870 | 40.3 | 34.2 | 54 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 18-19 |
| 19 45 | 26.890 | 40.8 | 34.2 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 44 | 26.890 | 35.4 | 31.3 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.890 | 35.2 | 31.5 | 68 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 45 | 26.900 | 35.0 | 31.2 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.890 | 34.9 | 31.0 | 66 | 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 0344 | X | 0 | 0 | X | 39 | 36 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 41 | 36 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 42 | 33 | | 0 | | | | | | | | |
| | 1540 | 3 | 0 | 0 | 0 | 52 | 42 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 48 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 35 | 33 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0947 | 1544 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.795 | 26.890 | 26.830 | 26.890 |
| BAROGRAPH 64 | 26.805 | 26.890 | 26.840 | 26.890 |
| BAR. CORR. 65 | -.010 | 0 | -.010 | ±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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 33 | 0 | 0 | 0 | 13 | SE | 1320 | | | | | 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: 0511P ±2 Sec./ 2305P ±1 Sec./ ± Sec.

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: 1982 DEC 16

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 | 0049 | CLR | 20 | | | 273 | 33 | 24 | 01 | 05 | | 033 | 000 | CRD |
| SA | 0148 | CLR | 20 | | | 273 | 32 | 24 | 05 | 03 | | 033 | | CRD |
| SA | 0250 | CLR | 20 | | | 276 | 35 | 23 | 08 | 08 | | 034 | | CRD |
| SA | 0349 | CLR | 20 | | | 270 | 36 | 23 | 05 | 07 | | 032 | 803 32 RADAT 23135 | JD |
| SA | 0449 | CLR | 20 | | | 269 | 34 | 24 | 12 | 06 | | 031 | | JD |
| SA | 0547 | CLR | 20 | | | 274 | 32 | 22 | 05 | 05 | | 031 | | JD |
| SA | 0648 | 250 -BKN | 20 | | | 274 | 33 | 22 | 11 | 04 | | 031 | 502 1008 | JD |
| SA | 0747 | 250 -SCT | 20 | | | 278 | 36 | 23 | 32 | 05 | | 033 | | JD |
| SA | 0848 | 250 -SCT | 20 | | | 281 | 41 | 24 | 32 | 02 | | 034 | | JD |
| SA | 0948 | 250 -OVC | 20 | | | 284 | 45 | 22 | 00 | 00 | | 036 | 114 1007 30 | JD |
| SA | 1047 | 250 -OVC | 20 | | | 278 | 47 | 23 | 11 | 09 | | 034 | | JD |
| SA | 1146 | 250 -OVC | 20 | | | 265 | 50 | 23 | 11 | 09 | | 031 | | JD |
| SA | 1247 | E250 OVC | 20 | | | 254 | 50 | 21 | 11 | 10 | | 027 | 825 1007 | JD |
| SA | 1346 | E250 OVC | 20 | | | 250 | 51 | 20 | 12 | 10 | | 026 | | JD |
| SA | 1450 | E250 OVC | 20 | | | 240 | 50 | 22 | 12 | 11 | | 024 | | JD |
| SA | 1547 | E230 OVC | 20 | | | 243 | 48 | 23 | 13 | 11 | | 024 | 510 1007 52 RADAT 20142 | CRD |
| SA | 1645 | E230 OVC | 20 | | | 244 | 46 | 24 | 11 | 10 | | 024 | | CRD |
| SA | 1746 | E230 OVC | 20 | | | 247 | 44 | 23 | 11 | 08 | | 024 | | CRD |
| SA | 1846 | E230 OVC | 20 | | | 245 | 41 | 24 | 08 | 08 | | 023 | 803 1007 | CRD |
| SA | 1950 | E230 OVC | 20 | | | 244 | 40 | 26 | 08 | 05 | | 023 | | CRD |
| SA | 2047 | E230 OVC | 20 | | | 247 | 36 | 25 | 02 | 05 | | 024 | | CRD |
| SA | 2145 | E230 BKN | 20 | | | 244 | 37 | 24 | 14 | 07 | | 024 | 103 1008 52 | CRD |
| SA | 2246 | 230 SCT | 20 | | | 244 | 36 | 22 | 07 | 07 | | 024 | | CRD |
| SA | 2347 | 230 SCT | 20 | | | 235 | 34 | 23 | 10 | 03 | | 022 | | CRD |

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 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: 1982 DEC 16

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 49 | 26.890 | 33.0 | 29.8 | 70 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 01 48 | 26.890 | 32.1 | 29.3 | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.900 | 35.0 | 30.6 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.880 | 35.9 | 31.1 | 60 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 03-04 |
| 04 49 | 26.870 | 34.0 | 30.2 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.875 | 31.5 | 28.1 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.875 | 32.9 | 28.9 | 63 | 8 | 8 | Cs | 250 | | | | | | | | | | | | 0 | 5 | .005 | | | 06-07 |
| 07 47 | 26.890 | 35.6 | 30.7 | 59 | 5 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.900 | 40.6 | 33.9 | 50 | 3 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 48 | 26.915 | 44.6 | 35.8 | 41 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 2 | 1 | .040 | | | 09-10 |
| 10 47 | 26.900 | 46.9 | 37.2 | 39 | 10 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 46 | 26.870 | 50.1 | 38.8 | 34 | 10 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 47 | 26.840 | 50.1 | 38.3 | 31 | 10 | 10 | Cs | E250 | | | | | | | | | | | | 9 | 8 | .075 | | | 12-13 |
| 13 46 | 26.830 | 50.7 | 38.3 | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.805 | 50.0 | 38.6 | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 47 | 26.810 | 48.2 | 37.8 | 36 | 10 | 10 | CS | E230 | | | | | | | | | | | | 10 | 5 | .030 | | | 15-16 |
| 16 45 | 26.810 | 45.7 | 36.8 | 42 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 46 | 26.810 | 43.9 | 35.6 | 44 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 46 | 26.800 | 41.2 | 34.3 | 50 | 10 | 10 | CS | E230 | | | | | | | | | | | | 10 | 8 | .010 | | | 18-19 |
| 19 50 | 26.800 | 39.7 | 34.2 | 58 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 47 | 26.810 | 35.5 | 31.4 | 65 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 45 | 26.810 | 36.8 | 32.0 | 61 | 7 | 7 | Cs | E230 | | | | | | | | | | | | 6 | 1 | .010 | | | 21-22 |
| 22 46 | 26.810 | 35.5 | 30.3 | 57 | 3 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 47 | 26.790 | 34.1 | 30.0 | 64 | 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 0344 | X | 0 | 0 | X | 39 | 32 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 39 | 32 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 45 | 30 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 52 | 45 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 48 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 37 | 34 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0947 | 1546 | 2144 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.880 | 26.915 | 26.810 | 26.810 |
| BAROGRAPH 64 | 26.890 | 26.920 | 26.820 | 26.810 |
| BAR. CORR. 65 | -.010 | -.005 | -.010 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 30 | 0 | 0 | 0 | 17 | E | 1415 | | | | | 9 | 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: 0502P ±2Sec./ 1800P ±2Sec./ ± Sec.

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: 1982 DEC 17

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 (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0045 | 230 SCT | 20 | | | 234 | 33 | 25 | 06 | 05 | | 022 | 607 1008 | CRD |
| SA | 0146 | 230 SCT | 20 | | | 240 | 31 | 22 | 10 | 06 | | 023 | | CRD |
| SA | 0250 | 230 SCT | 20 | | | 241 | 29 | 22 | 34 | 03 | | 023 | | CRD |
| SA | 0349 | CLR | 20 | | | 226 | 33 | 20 | 00 | 00 | | 019 | 808 29 RADAT 68L034131 | JD |
| SA | 0447 | CLR | 20 | | | 232 | 29 | 20 | 04 | 02 | | 019 | | JD |
| SA | 0547 | CLR | 20 | | | 234 | 28 | 20 | 05 | 03 | | 019 | | JD |
| SA | 0649 | CLR | 20 | | | 238 | 28 | 20 | 04 | 02 | | 020 | 303 | JD |
| SA | 0747 | CLR | 20 | | | 238 | 30 | 22 | 35 | 03 | | 020 | | JD |
| SA | 0848 | 250 -SCT | 20 | | | 236 | 40 | 18 | 36 | 03 | | 021 | | JD |
| SA | 0947 | 250 -BKN | 20 | | | 232 | 45 | 22 | 10 | 08 | | 021 | 302 1006 28 | JD |
| SA | 1046 | 250 -BKN | 20 | | | 228 | 46 | 21 | 29 | 03 | | 019 | | JD |
| SA | 1146 | 250 -BKN | 20 | | | 220 | 49 | 21 | 07 | 05 | | 017 | | JD |
| SA | 1249 | 250 -BKN | 20 | | | 204 | 54 | 20 | 14 | 07 | | 014 | 822 1008 | JD |
| SA | 1346 | 250 -BKN | 20 | | | 195 | 54 | 17 | 11 | 09 | | 011 | | JD |
| SA | 1448 | 250 -OVC | 20 | | | 193 | 54 | 18 | 11 | 08 | | 010 | | JD |
| SA | 1547 | 180 SCT E 250 BKN | 20 | | | 195 | 53 | 17 | 12 | 08 | | 011 | 508 1078 55 RADAT 20116 | CRD |
| SA | 1645 | 180 SCT E 250 BKN | 20 | | | 199 | 50 | 15 | 09 | 07 | | 011 | | CRD |
| SA | 1748 | 180 SCT E 250 BKN | 20 | | | 206 | 46 | 23 | 06 | 07 | | 012 | | CRD |
| SA | 1846 | 180 SCT E 250 BKN | 20 | | | 209 | 42 | 24 | 28 | 03 | | 012 | 103 1078 | CRD |
| SA | 1948 | E250 BKN | 20 | | | 219 | 37 | 25 | 04 | 03 | | 014 | | CRD |
| SA | 2047 | 250 SCT | 20 | | | 217 | 36 | 24 | 34 | 08 | | 015 | | CRD |
| SA | 2147 | 250 SCT | 20 | | | 217 | 35 | 23 | 06 | 04 | | 016 | 214 1008 55 | CRD |
| SA | 2245 | 250 SCT | 20 | | | 222 | 34 | 23 | 12 | 10 | | 017 | | CRD |
| SA | 2345 | 250 SCT | 20 | | | 215 | 37 | 21 | 28 | 04 | | 016 | | CRD |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 17

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 | 26.790 | 32.8 | 29.8 | 73 | 2 | 2 | Cs | 230 | | | | | | | | | | | | 2 | 6 | .020 | | | 00-01 |
| 01 46 | 26.800 | 30.7 | 27.6 | 70 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.800 | 29.1 | 26.6 | 75 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 49 | 26.765 | 32.8 | 28.5 | 60 | 0 | | | | | | | | | | | | | | | 0 | 8 | .025 | | | 03-04 |
| 04 47 | 26.770 | 28.9 | 26.1 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.770 | 28.1 | 25.7 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.775 | 27.8 | 25.4 | 72 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 06-07 |
| 07 47 | 26.775 | 30.2 | 27.5 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.780 | 40.2 | 32.1 | 40 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 47 | 26.780 | 45.1 | 35.9 | 39 | 8 | 8 | Cs | 250 | | | | | | | | | | | | 1 | 3 | .005 | | | 09-10 |
| 10 46 | 26.770 | 46.3 | 36.3 | 36 | 9 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 46 | 26.750 | 49.2 | 37.9 | 33 | 9 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.715 | 54.0 | 40.2 | 26 | 7 | 7 | Cs | 250 | | | | | | | | | | | | 1 | 8 | .065 | | | 12-13 |
| 13 46 | 26.685 | 53.6 | 39.3 | 23 | 8 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.680 | 53.5 | 39.5 | 25 | 10 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 47 | 26.690 | 52.9 | 39.0 | 24 | 8 | 3 | Ac | 180 | 5 | Cs | E250 | 8 | | | | | | | | 7 | 5 | .025 | | | 15-16 |
| 16 45 | 26.690 | 50.1 | 37.0 | 24 | 8 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 48 | 26.700 | 46.4 | 36.8 | 38 | 8 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 46 | 26.700 | 41.6 | 34.6 | 49 | 8 | 2 | Ac | 180 | 6 | Cs | E250 | 8 | | | | | | | | 8 | 1 | .010 | | | 18-19 |
| 19 48 | 26.720 | 37.1 | 32.3 | 61 | 6 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 47 | 26.730 | 36.4 | 31.5 | 60 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 47 | 26.740 | 34.7 | 30.3 | 62 | 3 | 3 | Cs | 250 | | | | | | | | | | | | 3 | 2 | .040 | | | 21-22 |
| 22 45 | 26.750 | 34.0 | 29.7 | 62 | 3 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 45 | 26.740 | 36.7 | 31.0 | 54 | 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 0344 | X | 0 | 0 | X | 34 | 29 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 37 | 29 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 45 | 28 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 55 | 45 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 53 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 38 | 33 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0946 | 1545 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.765 | 26.780 | 26.690 | 26.740 |
| BAROGRAPH 64 | 26.775 | 26.780 | 26.690 | 26.735 |
| BAR. CORR. 65 | -.010 | 0* | 0 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 28 | 0 | 0 | 0 | 12 | SE | 1414 | | | | | 6 | 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: 0511P ±2 Sec./ 1800P ±2 Sec./ ± Sec.

*Barograph Changed 0950P 0 Corr.

SUPERSEDES MF1-10A (2-72) 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: 1982 DEC 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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0045 | 250 SCT | 20 | | | 218 | 32 | 24 | 09 | 04 | | 017 | 303 1008 | CRD |
| SA | 0146 | CLR | 20 | | | 216 | 34 | 21 | 12 | 06 | | 017 | | CRD |
| SA | 0250 | CLR | 20 | | | 220 | 33 | 22 | 05 | 04 | | 018 | | CRD |
| SA | 0352 | CLR | 20 | | | 222 | 32 | 21 | 00 | 00 | | 018 | 103 1008 31 RADAT 20101 | JD |
| SA | 0448 | CLR | 20 | | | 229 | 29 | 21 | 10 | 04 | | 019 | | JD |
| SA | 0547 | CLR | 20 | | | 238 | 31 | 24 | 09 | 03 | | 022 | | JD |
| SA | 0646 | CLR | 20 | | | 241 | 30 | 21 | 30 | 04 | | 022 | 110 1002 | JD |
| SA | 0746 | CLR | 20 | | | 250 | 34 | 23 | 11 | 04 | | 024 | | JD |
| SA | 0847 | 180 SCT 250 SCT | 20 | | | 251 | 43 | 20 | 12 | 02 | | 026 | | JD |
| SA | 0947 | 250 -SCT | 20 | | | 248 | 52 | 16 | 02 | 10 | | 026 | 114 1078 29 | JD |
| SA | 1046 | 250 -SCT | 20 | | | 242 | 55 | 20 | 03 | 09 | | 025 | | JD |
| SA | 1146 | 250 -OVC | 20 | | | 228 | 58 | 17 | 04 | 05 | | 022 | | JD |
| SA | 1247 | 250 -OVC | 20 | | | 218 | 60 | 18 | 10 | 10 | | 018 | 824 1007 | JD |
| SA | 1349 | 250 -OVC | 20 | | | 208 | 61 | 12 | 12 | 10 | | 016 | | JD |
| SA | 1450 | 250 -OVC | 20 | | | 209 | 60 | 11 | 14 | 09 | | 016 | | JD |
| SA | 1549 | 250-BKN | 20 | | | 212 | 56 | 24 | 22 | 07 | | 016 | 607 1008 62 RADAT 20117 | CRD |
| SA | 1647 | 250 SCT | 20 | | | 222 | 50 | 20 | 06 | 05 | | 017 | | CRD |
| SA | 1745 | CLR | 20 | | | 227 | 46 | 20 | 08 | 07 | | 018 | | CRD |
| SA | 1848 | CLR | 20 | | | 232 | 44 | 21 | 09 | 06 | | 019 | 208 | CRD |
| SA | 1948 | CLR | 20 | | | 235 | 42 | 22 | 08 | 03 | | 021 | | CRD |
| SA | 2045 | CLR | 20 | | | 237 | 37 | 23 | 09 | 04 | | 022 | | CRD |
| SA | 2147 | CLR | 20 | | | 237 | 35 | 23 | 02 | 05 | | 023 | 212 62 | CRD |
| SA | 2245 | CLR | 20 | | | 238 | 35 | 23 | 03 | 04 | | 024 | | CRD |
| SA | 2346 | CLR | 20 | | | 229 | 35 | 22 | 03 | 06 | | 022 | | CRD |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 1 8

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. HUMID. (%) 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 45 | 26.750 | 32.2 | 29.2 | 72 | 2 | 2 | CS | 250 | | | | | | | | | | | | 2 | 3 | .010 | | | 00-01 |
| 01 46 | 26.750 | 33.8 | 29.0 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.760 | 33.1 | 29.0 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.760 | 31.9 | 28.2 | 64 | 0 | 0 | Cs | 250 | | | | | | | | | | | | 0 | 1 | .010 | | | 03-04 |
| 04 48 | 26.770 | 29.4 | 26.8 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.790 | 30.9 | 28.5 | 75 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.790 | 30.3 | 27.2 | 68 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 1 | .030 | | | 06-07 |
| 07 46 | 26.810 | 33.8 | 29.7 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.825 | 42.7 | 34.0 | 40 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 47 | 26.830 | 51.9 | 38.1 | 24 | 2 | 0 | Ac | 180 | 2 | Cs | 250 | 2 | | | | | | | | 0 | 1 | .042 | | | 09-10 |
| 10 46 | 26.820 | 55.0 | 40.7 | 25 | 5 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 46 | 26.790 | 57.9 | 41.5 | 20 | 10 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 47 | 26.760 | 60.1 | 42.7 | 19 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 1 | 8 | .070 | | | 12-13 |
| 13 49 | 26.740 | 60.9 | 42.0 | 14 | 10 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.740 | 60.1 | 41.4 | 14 | 10 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 49 | 26.740 | 55.8 | 42.0 | 29 | 8 | 8 | Cs | 250 | | | | | | | | | | | | 3 | 6 | .020 | | | 15-16 |
| 16 47 | 26.750 | 50.0 | 38.0 | 30 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 45 | 26.760 | 46.3 | 36.2 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.765 | 44.3 | 35.3 | 39 | 0 | | | | | | | | | | | | | | | 0 | 2 | .025 | | | 18-19 |
| 19 48 | 26.780 | 41.7 | 34.0 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 45 | 26.790 | 39.3 | 31.9 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.800 | 35.2 | 30.5 | 60 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 21-22 |
| 22 45 | 26.810 | 35.0 | 29.8 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 46 | 26.790 | 35.2 | 30.2 | 57 | 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 | 37 | 31 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 38 | 31 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 52 | 29 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 62 | 52 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 56 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 34 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0946 | 1546 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.760 | 26.830 | 26.740 | 26.800 |
| BAROGRAPH 64 | 26.750 | 26.820 | 26.735 | 26.795 |
| BAR. CORR. 65 | +.010 | +.010 | +.005 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 29 | 0 | 0 | 0 | 13 | NE | 1047 | | | | | 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: 0513P ±2 Sec. / 1800P ±2 Sec. / ± Sec.

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: 1982 DEC 1 9

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 | 0047 | CLR | 20 | | | 225 | 33 | 20 | 06 | 05 | | 021 | 707 | CRD |
| SA | 0145 | CLR | 20 | | | 223 | 36 | 17 | 24 | 03 | | 021 | | CRD |
| SA | 0250 | CLR | 20 | | | 218 | 33 | 19 | 06 | 05 | | 018 | | CRD |
| SA | 0350 | CLR | 20 | | | 217 | 34 | 19 | 16 | 02 | | 017 | 808 32 RADAT 20129 | MR |
| SA | 0445 | CLR | 20 | | | 221 | 34 | 17 | 05 | 04 | | 017 | | MR |
| SA | 0547 | CLR | 20 | | | 228 | 33 | 17 | 05 | 03 | | 019 | | MR |
| SA | 0645 | CLR | 20 | | | 230 | 32 | 17 | 11 | 03 | | 019 | 103 | MR |
| SA | 0747 | CLR | 20 | | | 237 | 35 | 20 | 30 | 04 | | 021 | | MR |
| SA | 0846 | CLR | 20 | | | 235 | 43 | 18 | 12 | 05 | | 022 | | MR |
| SA | 0947 | CLR | 20 | | | 237 | 47 | 18 | 31 | 04 | | 022 | 110 31 | MR |
| SA | 1049 | CLR | 20 | | | 226 | 53 | 17 | 35 | 02 | | 020 | | MR |
| SA | 1148 | CLR | 20 | | | 214 | 55 | 16 | 13 | 05 | | 016 | | MR |
| SA | 1247 | CLR | 20 | | | 202 | 56 | 16 | 13 | 08 | | 013 | 827 | MR |
| SA | 1346 | CLR | 20 | | | 189 | 57 | 15 | 14 | 09 | | 010 | | MR |
| SA | 1450 | CLR | 20 | | | 185 | 57 | 15 | 14 | 11 | | 008 | | MR |
| SA | 1547 | CLR | 20 | | | 185 | 55 | 17 | 12 | 10 | | 008 | 615 58 RADAT 20124 | CG |
| SA | 1650 | CLR | 20 | | | 188 | 50 | 17 | 12 | 13 | | 008 | | CG |
| SA | 1748 | CLR | 20 | | | 187 | 46 | 22 | 12 | 09 | | 007 | | CG |
| SA | 1846 | CLR | 20 | | | 190 | 44 | 21 | 11 | 10 | | 007 | 603 | CG |
| SA | 1947 | CLR | 20 | | | 193 | 41 | 19 | 07 | 07 | | 008 | | CG |
| SA | 2045 | CLR | 20 | | | 193 | 40 | 20 | 05 | 06 | | 009 | | CG |
| SA | 2149 | CLR | 20 | | | 186 | 40 | 22 | 05 | 05 | | 008 | 003 58 | CG |
| SA | 2245 | CLR | 20 | | | 180 | 38 | 21 | 06 | 07 | | 007 | | CG |
| SA | 2348 | CLR | 20 | | | 173 | 34 | 20 | 05 | 05 | | 005 | | CG |

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: 1982 DEC 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0047 | 26.780 | 32.7 | 28.3 | 60 | 0 | | | | | | | | | | | | | | | 0 | 7 | .020 | | | 00-01 |
| 0145 | 26.780 | 35.6 | 29.5 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 0250 | 26.760 | 33.0 | 28.0 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 0350 | 26.755 | 33.5 | 29.6 | 55 | 0 | | | | | | | | | | | | | | | 0 | 8 | .025 | | | 03-04 |
| 0445 | 26.755 | 34.0 | 28.2 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 0547 | 26.765 | 32.8 | 27.5 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 0645 | 26.765 | 32.0 | 27.2 | 54 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 06-07 |
| 0747 | 26.785 | 35.2 | 29.8 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 0846 | 26.790 | 43.3 | 34.0 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 0947 | 26.795 | 47.0 | 36.0 | 31 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 1049 | 26.775 | 52.9 | 38.9 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 1148 | 26.745 | 55.2 | 39.9 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 1247 | 26.715 | 56.4 | 40.4 | 20 | 0 | | | | | | | | | | | | | | | 0 | 8 | .080 | | | 12-13 |
| 1346 | 26.685 | 56.7 | 40.4 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 1450 | 26.670 | 57.0 | 40.6 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 1547 | 26.670 | 55.0 | 40.0 | 22 | 0 | | | | | | | | | | | | | | | 0 | 6 | .045 | | | 15-16 |
| 1650 | 26.670 | 50.1 | 37.5 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 1748 | 26.660 | 45.7 | 36.1 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 1846 | 26.660 | 43.9 | 35.0 | 40 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 18-19 |
| 1947 | 26.670 | 41.2 | 33.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 2045 | 26.680 | 39.7 | 32.4 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 2149 | 26.670 | 39.5 | 32.7 | 48 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 21-22 |
| 2245 | 26.660 | 38.0 | 31.7 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 2348 | 26.640 | 33.7 | 29.0 | 57 | 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 | | 0 | 0 | | 36 | 32 | | | | | | | | | | |
| | 0342 | 1 | 0 | 0 | 0 | 41 | 32 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 47 | 31 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 58 | 47 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 55 | 40 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 40 | 34 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0946 | 1547 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.755 | 26.795 | 26.670 | 26.670 |
| BAROGRAPH 64 | 26.745 | 26.770 | 26.660 | 26.650 |
| BAR. CORR. 65 | +.010 | +.025 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 31 | 0 | 0 | 0 | 16 | E | 1857 | | | | | 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: 0447P ±2 Sec./ 2636 ±2 Sec./ ± Sec.

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: 1982 DEC 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 (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 | 0049 | CLR | 20 | | | 166 | 37 | 20 | 05 | 04 | | 003 | 817 | CE |
| SA | 0145 | CLR | 20 | | | 162 | 32 | 20 | 10 | 06 | | 002 | | CE |
| SA | 0247 | CLR | 20 | | | 158 | 32 | 19 | 35 | 06 | | 001 | | CE |
| SA | 0349 | CLR | 20 | | | 159 | 33 | 18 | 15 | 03 | | 001 | 607 31 RADAT 59L033109 | MR |
| SA | 0445 | CLR | 20 | | | 163 | 32 | 19 | 03 | 05 | | 001 | | MR |
| SA | 0546 | 250 - SCT | 20 | | | 162 | 33 | 19 | 31 | 06 | | 999 | | MR |
| SA | 0646 | 250 - OVC | 20 | | | 166 | 33 | 19 | 12 | 05 | | 001 | 500 1002 | MR |
| SA | 0745 | E250 OVC | 20 | | | 166 | 38 | 19 | 10 | 08 | | 001 | | MR |
| SA | 0845 | E 250 OVC | 20 | | | 174 | 40 | 18 | 11 | 02 | | 003 | | MR |
| SA | 0947 | E 250 OVC | 20 | | | 171 | 45 | 20 | 11 | 07 | | 003 | 108 1007 31 | MR |
| SA | 1048 | E250 OVC | 20 | | | 161 | 50 | 20 | 12 | 10 | | 001 | | MR |
| SA | 1147 | 250 - OVC | 20 | | | 147 | 56 | 19 | 11 | 08 | | 997 | | MR |
| SA | 1248 | 160 SCT E250 BKN | 20 | | | 132 | 58 | 20 | 12 | 09 | | 993 | ACSL SE 830 1052 | MR |
| SA | 1348 | E250 BKN | 20 | | | 118 | 65 | 3 | 18 | 16 | G23 | 991 | ACSL SE | MR |
| SA | 1451 | 150 SCT E250 OVC | 20 | | | 110 | 65 | 1 | 18 | 17 | G25 | 988 | ACSL SE-S | MR |
| SA | 1548 | 150 SCT E250 OVC | 20 | | | 109 | 63 | 5 | 18 | 16 | G26 | 987 | 719 1077 86 RADAT 34107 | CE |
| SA | 1650 | 150 SCT E250 BKN | 20 | | | 121 | 55 | 16 | 19 | 12 | | 990 | ACSL SE | CE |
| SA | 1748 | 150 SCT 250 SCT | 20 | | | 128 | 49 | 22 | 12 | 18 | | 991 | | CE |
| SA | 1849 | 150 SCT 250 SCT | 20 | | | 132 | 49 | 25 | 15 | 08 | | 992 | 214 1078 | CE |
| SA | 1947 | 150 SCT 250 SCT | 20 | | | 136 | 46 | 24 | 12 | 17 | | 993 | | CE |
| SA | 2048 | 150 SCT 250 SCT | 20 | | | 138 | 44 | 24 | 14 | 14 | | 994 | | CE |
| SA | 2152 | 150 SCT 250 SCT | 20 | | | 140 | 44 | 25 | 14 | 12 | | 995 | 210 1078 66 | CE |
| SA | 2251 | 150 SCT E250 BKN | 20 | | | 133 | 44 | 25 | 12 | 15 | | 994 | | CE |
| SA | 2356 | 150 SCT E250 BKN | 20 | | | 126 | 42 | 26 | 11 | 07 | | 993 | | CE |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

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: 1982 DEC 20

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 | 26.620 | 34.0 | 29.0 | 56 | 0 | | | | | | | | | | | | | | | 0 | 8 | .050 | | | 00-01 |
| 01 45 | 26.610 | 32.4 | 28.1 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 47 | 26.600 | 32.0 | 27.7 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.600 | 33.1 | 28.1 | 54 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 03-04 |
| 04 45 | 26.600 | 31.8 | 27.5 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.590 | 32.6 | 28.0 | 57 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.600 | 32.1 | 27.8 | 58 | 10 | 10 | CI | 250 | | | | | | | | | | | | 3 | 5 | .000 | | | 06-07 |
| 07 45 | 26.605 | 37.7 | 30.9 | 47 | 10 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 45 | 26.625 | 40.0 | 31.8 | 40 | 10 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 47 | 26.625 | 44.5 | 35.1 | 37 | 10 | 10 | CS | F250 | | | | | | | | | | | | 7 | 1 | .025 | | | 09-10 |
| 10 48 | 26.605 | 49.9 | 38.0 | 30 | 10 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 47 | 26.570 | 55.5 | 40.7 | 24 | 10 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 48 | 26.535 | 58.3 | 42.2 | 22 | 8 | 0 | ACSL | 120 | 2 | Ac | 160 | 2 | 6 | CI | F250 | 8 | | | | 5 | 8 | .090 | | | 12-13 |
| 13 48 | 26.510 | 65.1 | 42.8 | 8 | 8 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 51 | 26.490 | 64.6 | 42.3 | 8 | 10 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 48 | 26.480 | 63.1 | 42.0 | 10 | 10 | 0 | Ac | 120 | 2 | Ac | 150 | 2 | 10 | Cs | F250 | 10 | | | | 9 | 7 | .055 | | | 15-16 |
| 16 50 | 26.500 | 55.0 | 39.8 | 21 | 9 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 48 | 26.510 | 49.1 | 38.0 | 33 | 5 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 49 | 26.520 | 49.0 | 38.8 | 38 | 5 | 1 | Ac | 150 | 4 | Cs | 250 | 5 | | | | | | | | 5 | 2 | .040 | | | 18-19 |
| 19 47 | 26.530 | 45.6 | 36.8 | 42 | 5 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 48 | 26.540 | 44.1 | 36.0 | 45 | 5 | | | | | | | | | | | | | | | 5 | | | | | 20-21 |
| 21 52 | 26.550 | 43.7 | 36.0 | 47 | 5 | 1 | Ac | 150 | 4 | Cs | 250 | 5 | | | | | | | | 5 | 2 | .030 | | | 21-22 |
| 22 51 | 26.540 | 43.5 | 36.0 | 48 | 7 | | | | | | | | | | | | | | | 6 | | | | | 22-23 |
| 23 56 | 26.530 | 42.1 | 35.6 | 53 | 7 | | | | | | | | | | | | | | | 6 | | | | | 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 | 34 | 31 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 40 | 31 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 45 | 31 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 66 | 45 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 63 | 44 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 44 | 42 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0947 | 1548 | 2152 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.625 | 26.480 | 26.560 |
| BAROGRAPH 64 | 26.575 | 26.600 | 26.466 | 26.526 |
| BAR. CORR. 65 | +.025 | +.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 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 | 31 | 0 | 0 | 0 | 30 | S | 1549 | | | | | 10 | 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: 0448P ±2 Sec./ 1908 ±2 Sec./ ± Sec.

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: 1982 DEC 21

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 | 150 SCT E250 BKN | 20 | | | 122 | 42 | 25 | 12 | 10 | | 992 | 710 1078 | CG |
| SA | 0148 | 150 SCT E250 BKN | 20 | | | 117 | 42 | 25 | 09 | 11 | | 992 | | CG |
| SA | 0248 | 150 SCT E250 BKN | 20 | | | 117 | 42 | 24 | 09 | 15 | | 992 | | CG |
| SA | 0351 | 250 - OVC | 20 | | | 112 | 39 | 21 | 07 | 10 | | 990 | 807 1007 39 RADAT 24105 | MR |
| SA | 0449 | 150 SCT 250 - OVC | 20 | | | 115 | 37 | 23 | 14 | 04 | | 988 | | MR |
| SA | 0552 | 250 - OVC | 20 | | | 114 | 40 | 23 | 07 | 08 | | 988 | | MR |
| SA | 0650 | 150 SCT E250 OVC | 20 | | | 118 | 38 | 24 | 35 | 07 | | 988 | 503 1052 | MR |
| SA | 0745 | 150 SCT E250 OVC | 20 | | | 125 | 39 | 24 | 03 | 03 | | 990 | | MR |
| SA | 0847 | 150 SCT 250 - OVC | 20 | | | 131 | 45 | 21 | 01 | 02 | | 993 | | MR |
| SA | 0949 | 150 SCT E250 OVC | 20 | | | 122 | 50 | 23 | 12 | 10 | | 991 | 008 1072 36 | MR |
| SA | 1047 | 150 SCT 250 - OVC | 20 | | | 113 | 58 | 15 | 13 | 06 | | 990 | | MR |
| SA | 1145 | 120 SCT E180 OVC | 20 | | | 106 | 61 | 14 | 20 | 15G24 | | 988 | | MR |
| SA | 1250 | E160 OVC | 20 | | | 094 | 60 | 21 | 19 | 21G28 | | 985 | BINOVC NW 820 1071 | MR |
| SA | 1347 | 100 SCT E170 OVC | 20 | | | 087 | 58 | 25 | 18 | 18G28 | | 982 | | MR |
| SA | 1451 | 100 SCT E170 BKN 250 OVC | 20 | | | 087 | 58 | 23 | 18 | 19G23 | | 982 | | MR |
| SA | 1549 | 170 SCT E250 OVC | 20 | | | 093 | 57 | 25 | 17 | 16 G26 | | 983 | 505 1077 61 RADAT 29100 | CG |
| SA | 1649 | 70 SCT 170 SCT E250 OVC | 20 | | | 084 | 55 | 36 | 20 | 20 G33 | | 980 | | CG |
| SA | 1749 | 70 SCT 170 SCT E250 OVC | 20 | | | 085 | 55 | 36 | 19 | 15 | | 981 | PK WND 1837/0051 | CG |
| SA | 1848 | 70 SCT E170 BKN | 20 | | | 091 | 55 | 35 | 20 | 18 G30 | | 982 | 503 1570 | CG |
| SA | 1947 | 70 SCT 170 SCT | 20 | | | 096 | 53 | 30 | 24 | 15 | | 983 | | CG |
| SA | 2047 | 70 SCT 170 SCT | 20 | | | 096 | 53 | 32 | 23 | 16 | | 984 | | CG |
| SA | 2148 | 70 SCT E170 BKN | 20 | | | 096 | 53 | 34 | 19 | 17 | | 985 | 210 1570 61 | CG |
| SA | 2246 | 70 SCT E170 ~~BKN~~ OVC | 20 | | | 096 | 53 | 34 | 18 | 15 G28 | | 986 | | CG |
| SA | 2348 | 70 SCT E170 OVC | 20 | | | 095 | 52 | 36 | 19 | 13 | | 986 | | CG |

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. 1982-364-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1982 DEC 21

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 51 | 26.520 | 42.1 | 35.1 | 50 | 7 | 2 | Ac | 150 | 5 | Cs | E250 | 7 | | | | | | | | 6 | 7 | .030 | | | 00-01 |
| 01 48 | 26.520 | 41.6 | 35.0 | 52 | 7 | | | | | | | | | | | | | | | 6 | | | | | 01-02 |
| 02 48 | 26.520 | 42.2 | 35.0 | 49 | 7 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 51 | 26.500 | 38.7 | 31.9 | 48 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 4 | 8 | .020 | | | 03-04 |
| 04 49 | 26.490 | 36.6 | 31.5 | 58 | 10 | | | | | | | | | | | | | | | 5 | | | | | 04-05 |
| 05 52 | 26.485 | 37.5 | 33.1 | 51 | 10 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 50 | 26.490 | 36.6 | 31.6 | 60 | 10 | 2 | Ac | 150 | 8 | Ci | E250 | 10 | | | | | | | | 7 | 5 | .010 | | | 06-07 |
| 07 45 | 26.505 | 38.6 | 32.9 | 55 | 10 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 47 | 26.530 | 44.6 | 35.3 | 38 | 10 | | | | | | | | | | | | | | | 5 | | | | | 08-09 |
| 09 49 | 26.515 | 50.0 | 38.9 | 35 | 10 | 3 | Ac | 150 | 7 | Ci | E250 | 10 | | | | | | | | 7 | 0 | .025 | | | 09-10 |
| 10 47 | 26.500 | 58.0 | 41.1 | 18 | 10 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 45 | 26.485 | 60.8 | 42.3 | 16 | 10 | | | | | | | | | | | | | | | 9 | | | | | 11-12 |
| 12 50 | 26.455 | 60.4 | 43.4 | 21 | 10 | 0 | Ac | 100 | 10 | As | E160 | 10 | | | | | | | | 10 | 8 | .060 | | | 12-13 |
| 13 47 | 26.430 | 58.4 | 43.5 | 27 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 51 | 26.430 | 57.9 | 42.9 | 26 | 10 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 49 | 26.440 | 57.0 | 43.0 | 29 | 10 | 0 | Ac | 100 | 4 | Ac | 170 | 4 | 10 | Cs | E20 | 10 | | | | 8 | 5 | .015 | | | 15-16 |
| 16 49 | 26.410 | 55.4 | 45.6 | 48 | 10 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 49 | 26.420 | 55.1 | 45.5 | 48 | 10 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 48 | 26.430 | 55.0 | 45.0 | 46 | 6 | 2 | Sc | 70 | 4 | Ac | E170 | 6 | | | | | | | | 6 | 5 | .010 | | | 18-19 |
| 19 47 | 26.440 | 53.0 | 42.4 | 41 | 5 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 47 | 26.450 | 52.8 | 43.0 | 45 | 5 | | | | | | | | | | | | | | | 5 | | | | | 20-21 |
| 21 48 | 26.460 | 53.1 | 44.0 | 49 | 8 | 3 | Sc | 70 | 5 | Ac | E170 | 8 | | | | | | | | 8 | 2 | .030 | | | 21-22 |
| 22 46 | 26.470 | 53.0 | 44.0 | 49 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 48 | 26.470 | 52.1 | 44.4 | 55 | 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 0343 | X | 0 | 0 | X | 44 | 39 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 44 | 39 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 51 | 36 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 61 | 50 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 57 | 52 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 53 | 52 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0948 | 1549 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.500 | 26.515 | 26.440 | 26.460 |
| BAROGRAPH 64 | 26.480 | 26.515 | 26.420 | 26.460 |
| BAR. CORR. 65 | +.020 | 0* | +.020 | 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 36 | 0 | 0 | 0 | 37 | 5 | 1651 | | | | | 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: 0535P ±2 Sec./ 1923P ±2 Sec./ ± Sec.

*BAROGRAPH CHANGED AND RESET TO ZERO CORR.

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: 1982 DEC 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 | 0047 | 170 SCT E250 OVC | 20 | | | 092 | 52 | 37 | 20 | 18 | | 985 | 000 1078 | CG |
| SA | 0147 | 170 SCT E250 OVC | 20 | | | 093 | 52 | 36 | 22 | 15 | | 985 | | CG |
| SA | 0246 | 170 SCT E250 BKN | 20 | | | 098 | 48 | 36 | 09 | 07 | | 986 | | CG |
| SA | 0346 | 170 SCT E250 BKN | 20 | | | 094 | 45 | 33 | 18 | 03 | | 984 | 803 1078 45 RADAT 94077 | MR |
| SA | 0446 | E150 BKN 250 OVC | 20 | | | 097 | 42 | 33 | 11 | 03 | | 985 | | MR |
| SA | 0545 | E120 BKN 170 OVC | 20 | | | 095 | 48 | 34 | 05 | 09 | | 985 | | MR |
| SA | 0648 | E45 BKN 140 OVC | 20 | | | 101 | 47 | 34 | 12 | 04 | | 986 | 307 157/ | MR |
| SA | 0746 | M35 BKN 100 BKN 170 OVC | 20 | | | 102 | 47 | 34 | 11 | 10 | | 986 | | MR |
| SA | 0850 | M40 BKN 140 OVC | 20 | | | 101 | 49 | 35 | 10 | 05 | | 986 | | MR |
| SA | 0948 | M34 OVC | 20 | | RW- | 107 | 48 | 38 | 13 | 11 | | 988 | RB24 30500 15// 42 | MR |
| SA | 1046 | M32 BKN 70 OVC | 20 | | RW- | 093 | 53 | 39 | 20 | 15 | G23 | 985 | RE35B41 | MR |
| SA | 1147 | M34 BKN 70 OVC | 20 | | | 080 | 54 | 38 | 19 | 15 | G24 | 981 | OCNL RW- | MR |
| SA | 1253 | M34 BKN 70 OVC | 20 | | | 057 | 54 | 39 | 19 | 18 | G27 | 974 | RE28 SCUD ALG MTNS SE | MR |
| / | | | | | | | | | | | | | PRESFR 84200 155/ | / |
| SA | 1346 | M41 BKN 70 OVC | 10 | | RW- | 054 | 52 | 42 | 18 | 21 | G31 | 973 | RB12 | MR |
| SA | 1448 | M41 BKN 70 BKN 120 OVC | 20 | | | 048 | 53 | 39 | 17 | 22 | G31 | 971 | RE25 | MR |
| SA | 1550 | M35 BKN 70 OVC | 20 | | | 038 | 54 | 39 | 17 | 18 | G24 | 968 | 82002 127/ 55 | / |
| / | | | | | | | | | | | | | RADAT 95079 | HS |
| SA | 1650 | M35 BKN 70 OVC | 20 | | | 025 | 54 | 39 | 17 | 15 | G32 | 963 | | HS |
| SA | 1750 | E35 BKN 70 OVC | 20 | | | 015 | 53 | 42 | 18 | 17 | G31 | 961 | | HS |
| SA | 1847 | E35 BKN 80 OVC | 20 | | RW- | 007 | 52 | 42 | 17 | 23 | G36 | 959 | RB13 PK WND 1837/13 | / |
| / | | | | | | | | | | | | | 62700 127/ | HS |
| SA | 1947 | E35 BKN 80 OVC | 20 | | RW- | 009 | 50 | 42 | 18 | 21 | G35 | 959 | PK WND 1837/02 | HS |
| SA | 2048 | M30 BKN 80 OVC | 20 | | RW- | 016 | 48 | 41 | 18 | 17 | G38 | 961 | RW- OCNLY RW | / |
| / | | | | | | | | | | | RE20 | | PK WND 1842/31 | HS |
| SA RS | 2150 | 30 SCT E80 BKN | 20 | | | 009 | 49 | 42 | 17 | 13 | G24 | 959 | 80017 1270 55 | HS |
| SA | 2247 | CLR | 20 | | | 999 | 48 | 40 | 18 | 20 | G28 | 957 | | HS |
| SA | 2347 | CLR | 20 | | | 989 | 48 | 31 | 18 | 24 | G35 | 955 | | 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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 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 47 | 26.460 | 52.0 | 44.5 | 56 | 10 | 5 | Ac | 170 | 5 | Cs | E250 | 10 | | | | | | | | 7 | 0 | .000 | | | 00-01 |
| 01 47 | 26.460 | 51.5 | 44.0 | 56 | 10 | | | | | | | | | | | | | | | 7 | | | | | 01-02 |
| 02 46 | 26.470 | 48.1 | 42.4 | 63 | 8 | | | | | | | | | | | | | | | 7 | | | | | 02-03 |
| 03 48 | 26.450 | 45.4 | 39.8 | 62 | 8 | 4 | Ac | 170 | 4 | Cs | E250 | 8 | | | | | | | | 6 | 8 | .010 | | | 03-04 |
| 04 46 | 26.455 | 42.1 | 38.1 | 71 | 10 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 45 | 26.455 | 47.7 | 41.1 | 58 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 48 | 26.470 | 47.0 | 40.9 | 60 | 10 | 9 | Sc | E45 | 1 | Ac | 140 | 10 | | | | | | | | 10 | 3 | .020 | | | 06-07 |
| 07 46 | 26.470 | 47.0 | 40.9 | 60 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 50 | 26.470 | 48.7 | 42.1 | 59 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 48 | 26.485 | 48.2 | 43.0 | 67 | 10 | 10 | Sc | M34 | | | | | | | | | | | | 10 | 3 | .015 | | | 09-10 |
| 10 46 | 26.455 | 53.2 | 45.8 | 58 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 47 | 26.420 | 54.1 | 45.9 | 54 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 53 | 26.360 | 53.5 | 46.0 | 57 | 10 | 0 | CUFRA | 10 | 8 | Sc | M34 | 8 | 2 | Ac | 70 | 10 | | | | 10 | 8 | .125 | | | 12-13 |
| 13 46 | 26.350 | 52.4 | 46.8 | 67 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 48 | 26.330 | 53.2 | 45.8 | 58 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 50 | 26.300 | 53.8 | 46.3 | 57 | 10 | 8 | Cu | M35 | 2 | Ac | 70 | 10 | | | | | | | | 10 | 8 | .060 | | | 15-16 |
| 16 50 | 26.260 | 54.1 | 46.4 | 57 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 50 | 26.240 | 53.1 | 47.0 | 65 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 47 | 26.220 | 51.9 | 46.8 | 70 | 10 | 8 | Cu | E35 | 2 | Ac | 80 | 10 | | | | | | | | 10 | 6 | .080 | | | 18-19 |
| 19 47 | 26.220 | 50.3 | 46.0 | 73 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 48 | 26.240 | 47.6 | 44.1 | 77 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.220 | 49.0 | 45.4 | 77 | 8 | 4 | Cu | 30 | 4 | Ac | E80 | 8 | | | | | | | | 8 | 0 | .000 | | | 21-22 |
| 22 47 | 26.200 | 48.0 | 44.0 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.180 | 48.4 | 41.3 | 55 | 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 | 45 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 53 | 45 | | 0 | | | | | | | | |
| | 0943 | 2 | T | 0 | 0 | 51 | 42 | | 0 | | | | | | | | |
| | 1545 | 3 | .02 | 0 | 0 | 55 | 48 | | 0 | | | | | | | | |
| | 2145 | 4 | .17 | 0 | 0 | 54 | 48 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 49 | 47 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0947 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.450 | 26.485 | 26.300 | 26.220 |
| BAROGRAPH 64 | 26.440 | 26.465 | 26.280 | 26.200 |
| BAR. CORR. 65 | +.010 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 42 | .19 | 0 | 0 | 42 | 5 | 2031 | | | | | 10 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0924 | 0955 | | | |
| RW- | 1041 | 1228 | | | |
| RW- | 1312 | 1425 | | | |
| RW- | 1813 | 2120 | | | |

## 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: 0429P ⊕ 2 Sec./ 2050P ⊖ 2 Sec./ ± Sec.

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: 1982 DEC 23

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) | ALTIM. ETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 995 | 47 | 33 | 19 | 21 | G34 | 956 | 510 1470 | HS |
| SA | 0148 | CLR | 20 | | | 002 | 47 | 32 | 20 | 13 | G25 | 958 | PK WND 1836/12 | HS |
| SA | 0249 | CLR | 20 | | | 004 | 45 | 31 | 25 | 07 | | 958 | | HS |
| SA | 0349 | CLR | 20 | | | 004 | 44 | 29 | 25 | 04 | | 958 | 107 44 20019 RADAT 71062 | EP |
| SA | 0450 | CLR | 20 | | | 005 | 43 | 27 | 22 | 13 | | 958 | | EP |
| SA | 0549 | CLR | 20 | | | 013 | 42 | 28 | 27 | 06 | | 960 | | EP |
| SA | 0648 | CLR | 20 | | | 026 | 40 | 28 | 25 | 13 | | 963 | 317 1500 | EP |
| SA | 0750 | 50 SCT 200 SCT | 20 | | | 036 | 42 | 28 | 27 | 08 | | 966 | | EP |
| SP | 0821 | W3X | 1/2 | | SW | | | | 33 | 23 | G32 | 973 | VSBY DCRGD RPDLY PRESRR | EP |
| / | | | | | | | | | | | | | ~~SB19~~ | / |
| SP | 0836 | 15 SCT E250 VC | 5 | | SW- | | | | 32 | 15 | G21 | 973 | | EP |
| SA | 0848 | 15 SCT M28 BKN 80 BKN | 20 | | | 061 | 35 | 28 | 22 | 08 | | 971 | VSBY LWR SE IN SWU | EP |
| / | | | | | | | | | | | | | ~~SB19 E44~~ SB19 E44 | / |
| SP | 0910 | 28 SCT E40 BKN 80 BKN | 20 | | | | | | 07 | 08 | | 971 | CB MAM SE VSBY LWR | EP |
| / | | | | | | | | | | | | | SE IN SWU | / |
| SA | 0948 | 30 SCT 80 SCT | 20 | | | 069 | 39 | 30 | 31 | 04 | | 975 | CB MAM MOVD SE/13603 | EP |
| / | | | | | | | | | | | | | 127/34 | / |
| SA | 1050 | 120 SCT 200 SCT | 20 | | | 065 | 45 | 30 | 26 | 05 | | 975 | FEW CU OVR MTNS SE | EP |
| SA | 1148 | 40 SCT 200 SCT | 20 | | | 059 | 46 | 10 | 30 | 16 | G24 | 973 | | EP |
| SA | 1251 | 50 SCT 200 SCT | 20 | | | 056 | 46 | 8 | 30 | 22 | G29 | 972 | 808 1201 | EP |
| SA | 1348 | 50 SCT 80 SCT | 20 | | | 057 | 46 | 11 | 32 | 18 | G30 | 972 | | EP |
| SA | 1450 | 50 SCT 80 SCT | 20 | | | 058 | 45 | 10 | 32 | 25 | G33 | 972 | | EP |
| SA | 1553 | 50 SCT | 20 | | | 075 | 44 | 14 | 33 | 12 | G24 | 977 | 314 1200 46 RADAT 31054 | HS |
| SA | 1648 | 50 SCT | 20 | | | 090 | 43 | 12 | 32 | 11 | | 981 | | HS |
| SA | 1747 | 50 SCT | 20 | | | 097 | 41 | 12 | 33 | 14 | | 982 | | HS |
| SA | 1850 | E50 BKN | 20 | | | 105 | 41 | 13 | 33 | 14 | | 984 | 124 1400 | HS |
| SA | 1950 | E50 BKN | 20 | | | 116 | 40 | 13 | 35 | 10 | | 988 | | HS |
| SA | 2047 | CLR | 20 | | | 130 | 37 | 17 | 36 | 09 | | 990 | SC SE | HS |
| SA | 2149 | CLR | 20 | | | 140 | 37 | 14 | 36 | 11 | | 993 | 227 1400 48 | HS |
| SA | 2249 | CLR | 20 | | | 146 | 34 | 16 | 34 | 07 | | 996 | SC SE | HS |
| SA | 2347 | CLR | 20 | | | 157 | 32 | 17 | 32 | 06 | | 999 | SC SE | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 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: 1982 DEC 23

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 49 | 26.190 | 46.9 | 40.5 | 58 | 0 | 0 | Sc | 30 | 0 | Ac | 80 | 0 | | | | | | | | 0 | 5 | .030 | | | 00-01 |
| 01 48 | 26.210 | 46.6 | 40.0 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 49 | 26.210 | 45.0 | 38.6 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.210 | 43.8 | 37.5 | 56 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 50 | 26.210 | 43.2 | 36.4 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.230 | 42.0 | 36.0 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.260 | 39.6 | 34.9 | 62 | 0 | 0 | Sc | 35 | | | | | | | | | | | | 0 | 3 | .050 | | | 06-07 |
| 07 50 | 26.285 | 41.8 | 35.8 | 57 | 5 | | | | | | | | | | | | | | | 4 | | | | | 07-08 |
| 08 48 | 26.335 | 35.0 | 32.2 | 76 | 8 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 48 | 26.365 | 39.0 | 35.0 | 69 | 5 | 2 | Cu | 30 | 3 | Ac | 80 | 5 | | | | | | | | 5 | 1 | .105 | | | 09-10 |
| 10 50 | 26.365 | 44.5 | 38.0 | 55 | 2 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 48 | 26.350 | 45.5 | 33.5 | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 51 | 26.340 | 45.8 | 33.3 | 21 | 2 | 2 | Cu | 50 | 0 | Ci | 200 | 2 | | | | | | | | 2 | 8 | .025 | | | 12-13 |
| 13 48 | 26.340 | 45.7 | 33.8 | 24 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.340 | 45.2 | 33.3 | 23 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 53 | 26.380 | 44.0 | 33.6 | 24 | 4 | 4 | Cu | 50 | | | | | | | | | | | | 4 | 3 | .040 | | | 15-16 |
| 16 48 | 26.420 | 42.6 | 32.3 | 29 | 5 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 47 | 26.430 | 41.3 | 31.4 | 30 | 5 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 50 | 26.450 | 40.8 | 31.3 | 32 | 7 | 7 | Sc | E50 | | | | | | | | | | | | 7 | 1 | .070 | | | 18-19 |
| 19 50 | 26.480 | 40.2 | 31.0 | 33 | 6 | | | | | | | | | | | | | | | 6 | | | | | 19-20 |
| 20 47 | 26.500 | 37.2 | 30.0 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.530 | 36.6 | 29.1 | 39 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 2 | .080 | | | 21-22 |
| 22 49 | 26.550 | 33.6 | 27.9 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.580 | 32.4 | 27.4 | 53 | 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 | 48 | 44 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 49 | 44 | | 1 | | | | | | | | |
| | 0944 | 2 | .03 | E.3 | 0 | 44 | 34 | | 1 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 2144 | * | 0 | 0 | 0 | 44 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 37 | 32 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0945 | 1552 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.210 | 26.365 | 26.380 | 26.530 |
| BAROGRAPH 64 | 26.180 | 26.340 | 26.380 | 26.500 |
| BAR. CORR. 65 | +.030 | +.025 | ±0 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 32 | .03 | E1.3 | 0 | 36 | S | 0112 | | | | | 3 | 2 | | |

### WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| SW | 0819 | 0833 | | | |
| SW-- | 0833 | 0844 | | | |

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: 1000 ✓ ±1 Sec. / 2050 ✓ ±2 Sec. / ± Sec.

~~* T MELTED AS IT FELL~~

E - ESTIMATED DUE TO MELTING

SUPERSEDES MF1-10B (1-73) 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: 1982 DEC 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) | OB. SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0047 | CLR | 20 | | | 155 | 35 | 10 | 35 | 14 | | 999 | 117 1500 | HS |
| SA | 0147 | CLR | 20 | | | 166 | 35 | 9 | 01 | 10 | | 002 | SC SE | HS |
| SA | 0247 | CLR | 20 | | | 171 | 35 | 7 | 01 | 10 | | 003 | SC SE | HS |
| SA | 0350 | CLR | 20 | | | 168 | 35 | 3 | 03 | 15 | | 002 | 010 1500 32 20003 RADAT | EP |
| / | | | | | | | | | | | | | 31043 | / |
| SA | 0447 | CLR | 20 | | | 174 | 35 | 1 | 01 | 20 | G25 | 003 | | EP |
| SA | 0547 | CLR | 20 | | | 182 | 34 | 12 | 03 | 13 | | 005 | | EP |
| SA | 0646 | CLR | 20 | | | 190 | 34 | 6 | 03 | 14 | | 007 | 317 1500 | EP |
| SA | 0746 | CLR | 20 | | | 195 | 34 | 5 | 03 | 24 | G31 | 008 | ~~CLR~~ | EP |
| SA | 0851 | ~~CLR~~ 50SCT | 20 | | | 211 | 35 | 4 | 02 | 21 | G28 | 013 | PK WND 0236/09 | EP |
| SA | 0950 | ~~CLR~~ 60SCT 200SCT | 20 | | | 216 | 36 | 2 | 36 | 15 | G27 | 014 | 122 1501 32 | EP |
| SA | 1047 | ~~CLR~~ 60 SCT | 20 | | | 218 | 39 | 14 | 02 | 21 | G29 | 015 | | EP |
| SA | 1145 | CLR | 20 | | | 214 | 40 | 16 | 02 | 23 | G30 | 014 | | EP |
| SA | 1247 | CLR | 20 | | | 207 | 41 | 15 | 02 | 22 | G30 | 013 | [illegible] | EP |
| SA | 1345 | CLR | 20 | | | 204 | 42 | 13 | 02 | 21 | G26 | 012 | | EP |
| SA | 1450 | CLR | 20 | | | 196 | 42 | 14 | 02 | 20 | G25 | 010 | | EP |
| SA | 1550 | CLR | 20 | | | 208 | 40 | 17 | 03 | 19 | G31 | 013 | 502 1500 42 RADAT 31050 | HS |
| SA | 1647 | CLR | 20 | | | 221 | 37 | 21 | 03 | 13 | G23 | 016 | | HS |
| SA | 1750 | CLR | 20 | | | 231 | 36 | 19 | 03 | 13 | G22 | 018 | | HS |
| SA | 1847 | CLR | 20 | | | 237 | 34 | 20 | 05 | 14 | G24 | 020 | 122 | HS |
| SA | 1947 | CLR | 20 | | | 252 | 34 | 16 | 05 | 17 | | 024 | | HS |
| SA | 2047 | CLR | 20 | | | 248 | 34 | 15 | 01 | 17 | | 023 | | HS |
| SA | 2149 | CLR | 20 | | | 262 | 34 | 17 | 01 | 14 | G24 | 027 | 224 42 | HS |
| SA | 2247 | CLR | 20 | | | 269 | 33 | 14 | 02 | 12 | G24 | 030 | | HS |
| SA | 2349 | CLR | 20 | | | 275 | 32 | 14 | 04 | 14 | G23 | 032 | | 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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ U.S. G.P.O. 1982-564-508/1123

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: 1982 DEC 24

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 | 26.580 | 35.4 | 27.6 | 35 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 1 | .050 | | | 00-01 |
| 01 47 | 26.610 | 35.1 | 27.2 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 47 | 26.620 | 35.0 | 26.8 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.610 | 35.1 | 26.2 | 25 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 0 | .030 | | | 03-04 |
| 04 47 | 26.620 | 35.0 | 25.9 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.640 | 33.8 | 27.0 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.660 | 33.8 | 26.0 | 31 | 0 | 0 | Sc | 45 | | | | | | | | | | | | 0 | 3 | .050 | | | 06-07 |
| 07 46 | 26.670 | 34.2 | 26.0 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.710 | 35.3 | 26.5 | 26 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 50 | 26.725 | 36.0 | 26.7 | 24 | 5 | 2 | Sc | 60 | 3 | Ci | 200 | 5 | | | | | | | | 3 | 1 | .065 | | | 09-10 |
| 10 47 | 26.730 | 38.9 | 30.4 | 34 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 45 | 26.720 | 40.2 | 31.6 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 47 | 26.710 | 41.2 | 32.1 | 35 | 0 | 0 | Sc | 60 | | | | | | | | | | | | 0 | 8 | .015 | | | 12-13 |
| 13 45 | 26.700 | 41.8 | 31.7 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.680 | 41.9 | 32.2 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.705 | 40.1 | 31.8 | 39 | 0 | 0 | Sc | 60 | | | | | | | | | | | | 0 | 5 | .005 | | | 15-16 |
| 16 47 | 26.740 | 37.3 | 31.2 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.760 | 36.3 | 30.2 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.770 | 33.7 | 28.8 | 56 | 0 | | | | | | | | | | | | | | | 0 | 1 | .065 | | | 18-19 |
| 19 47 | 26.810 | 34.0 | 28.0 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.800 | 33.6 | 27.6 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.840 | 33.8 | 28.1 | 49 | 0 | | | | | | | | | | | | | | | 0 | 2 | .070 | | | 21-22 |
| 22 47 | 26.860 | 32.9 | 27.0 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.880 | 31.9 | 26.3 | 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 0344 | | 0 | 0 | | 35 | 32 | | | | | | | | | | |
| | 0344 | 1 | 0 | 0 | 0 | 37 | 32 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 36 | 32 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 42 | 36 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 41 | 33 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 35 | 32 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0345 | 0946 | 1549 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.610 | 26.725 | 26.705 | 26.840 |
| BAROGRAPH 64 | 26.590 | 26.725 | 26.705 | 26.820 |
| BAR. CORR. 65 | +.020 | 0 | ± 0 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | 32 | 0 | 0 | 0 | 36 | N. | 0809 | | | | | 1 | 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: 0930 ±1 Sec. / 1950 ±2 Sec. / ± Sec.

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: 1982 DEC 25

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 | 0049 | CLR | 20 | | | 275 | 32 | 18 | 02 | 16 | G24 | 032 | 114 | HS |
| SA | 0147 | CLR | 20 | | | 275 | 32 | 14 | 01 | 16 | G27 | 032 | | HS |
| SA | 0245 | CLR | 20 | | | 283 | 32 | 12 | 05 | 14 | | 034 | | HS |
| SA | 0350 | CLR | 20 | | | 284 | 32 | 11 | 08 | 15 | | 034 | 10 3T 32 RADAT ZERO | EP |
| SA | 0450 | CLR | 20 | | | 282 | 32 | 8 | 07 | 12 | | 033 | | EP |
| SA | 0549 | CLR | 20 | | | 290 | 31 | 8 | 08 | 10 | | 035 | | EP |
| SA | 0648 | CLR | 20 | | | 287 | 31 | 10 | 10 | 10 | | 034 | 000 ~~30~~ | EP |
| SA | 0748 | CLR | 20 | | | 296 | 32 | 10 | 03 | 09 | | 036 | | EP |
| SA | 0850 | CLR | 20 | | | 299 | 34 | 11 | 10 | 13 | | 037 | | EP |
| SA | 0946 | CLR | 20 | | | 295 | 38 | 18 | 04 | 12 | | 037 | 110 30 | EP |
| SA | 1048 | CLR | 20 | | | 284 | 40 | 11 | 04 | 11 | | 034 | | EP |
| SA | 1147 | CLR | 20 | | | 272 | 42 | 10 | 03 | 15 | G22 | 031 | | EP |
| SA | 1248 | CLR | 20 | | | 254 | 45 | 4 | 02 | 15 | G21 | 026 | 934 | EP |
| SA | 1346 | CLR | 20 | | | 242 | 46 | 1 | 03 | 15 | G22 | 023 | | EP |
| SA | 1450 | CLR | 20 | | | 234 | 47 | 6 | 07 | 12 | | 021 | | EP |
| SA | 1549 | CLR | 20 | | | 230 | 47 | 7 | 09 | 14 | | 020 | 620 47 RADAT 20L060091 | HS |
| SA | 1645 | CLR | 20 | | | 235 | 44 | 6 | 09 | 15 | | 021 | | HS |
| SA | 1748 | CLR | 20 | | | 240 | 42 | 5 | 08 | 12 | | 022 | | HS |
| SA | 1845 | CLR | 20 | | | 247 | 40 | 8 | 03 | 10 | | 024 | 212 | HS |
| SA | 1947 | CLR | 20 | | | 250 | 35 | 10 | 02 | 12 | | 023 | | HS |
| SA | 2048 | CLR | 20 | | | 240 | 35 | 8 | 04 | 13 | | 021 | | HS |
| SA | 2150 | CLR | 20 | | | 245 | 36 | 8 | 03 | 13 | | 023 | 502 47 | HS |
| SA | 2247 | CLR | 20 | | | 249 | 34 | 6 | 04 | 14 | | 024 | | HS |
| SA | 2348 | CLR | 20 | | | 243 | 34 | 5 | 04 | 13 | | 023 | | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ U.S. G.P.O. 1982-364-008/1123

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: 1982 DEC 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 49 | 26.880 | 32.1 | 27.4 | 55 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 00-01 |
| 01 47 | 26.880 | 32.0 | 26.4 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.900 | 32.0 | 26.0 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.900 | 32.0 | 25.8 | 42 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 50 | 26.890 | 31.8 | 25.0 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.910 | 31.0 | 24.5 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.900 | 30.7 | 24.7 | 41 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 06-07 |
| 07 48 | 26.920 | 31.6 | 25.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.930 | 33.8 | 26.9 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 46 | 26.930 | 37.8 | 30.8 | 45 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 10 48 | 26.900 | 39.7 | 30.3 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.870 | 42.3 | 31.5 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.830 | 44.5 | 31.7 | 18 | 0 | | | | | | | | | | | | | | | 0 | 7 | .100 | | | 12-13 |
| 13 46 | 26.800 | 46.1 | 32.5 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.780 | 46.8 | 33.5 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 49 | 26.770 | 46.7 | 33.6 | 19 | 0 | | | | | | | | | | | | | | | 0 | 6 | .060 | | | 15-16 |
| 16 45 | 26.780 | 44.2 | 32.1 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 48 | 26.790 | 41.6 | 30.3 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 45 | 26.805 | 40.1 | 30.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 18-19 |
| 19 47 | 26.800 | 34.7 | 27.1 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.780 | 34.5 | 26.7 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.800 | 35.6 | 27.4 | 32 | 0 | | | | | | | | | | | | | | | 0 | 5 | .005 | | | 21-22 |
| 22 47 | 26.810 | 33.9 | 25.9 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.800 | 33.9 | 25.8 | 29 | 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 | 32 | 32 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 35 | 32 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 38 | 30 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 47 | 38 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 47 | 34 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 36 | 33 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0943 | 1548 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.900 | 26.930 | 26.770 | 26.800 |
| BAROGRAPH 64 | 26.880 | 26.920 | 26.790 | 26.745 |
| BAR. CORR. 65 | +.020 | +.010 | ±.020 | *+.055 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 30 | 0 | 0 | 0 | 30 | N | 0119 | | | | | 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: 1000 ±2 Sec./ 1950P ±2 Sec./ ± Sec.

* BAROGRAPH CHANGED RE-SET TO "0"

** BAROGRAPH RE-SET TO "0"

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: 1982 DEC 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) | ALTIM. ETER SET-TING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB-SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 232 | 36 | 2 | 07 | 10 | | 021 | 807 1001 | HS |
| SA | 0147 | CLR | 20 | | | 235 | 31 | 7 | 04 | 12 | | 021 | | HS |
| SA | 0245 | CLR | 20 | | | 239 | 30 | 8 | 08 | 06 | | 022 | | HS |
| SA | 0348 | CLR | 20 | | | 231 | 32 | 4 | 09 | 03 | | 020 | 803 30 RADAT 23L036047 | JK |
| SA | 0449 | CLR | 20 | | | 229 | 31 | 5 | 07 | 07 | | 018 | | JK |
| SA | 0546 | CLR | 20 | | | 231 | 29 | 8 | 05 | 06 | | 018 | | JK |
| SA | 0648 | 160 SCT E 250 BKN | 20 | | | 231 | 32 | 7 | 06 | 13 | | 018 | 603 1076 | JK |
| SA | 0746 | E 180 BKN | 20 | | | 233 | 33 | 9 | 06 | 10 | | 018 | | JK |
| SA | 0845 | E 180 OVC | 20 | | | 234 | 38 | 14 | 10 | 05 | | 020 | | JK |
| SA | 0949 | 140 SCT E 2180 OVC | 20 | | | 232 | 40 | 10 | 11 | 06 | | 020 | 103 107/26 | JK |
| SA | 1046 | 140 SCT E180 BKN | 20 | | | 229 | 41 | 13 | 12 | 06 | | 018 | | JK |
| SA | 1145 | 140 SCT 250-OVC | 20 | | | 208 | 43 | 11 | 11 | 12 | | 013 | | JK |
| SA | 1249 | 140 SCT 250-OVC | 20 | | | 194 | 45 | 7 | 14 | 12 | | 010 | 830 1077 | JK |
| SA | 1347 | E140 BKN 250 OVC | 20 | | | 192 | 46 | 6 | 16 | 06 | | 009 | | JK |
| SA | 1447 | 140 SCT 250-OVC | 20 | | | 189 | 46 | 8 | 24 | 05 | | 008 | | JK |
| SA | 1550 | 140 SCT 250-BKN | 20 | | | 188 | 46 | 12 | 19 | 04 | | 008 | 607 1038 46 RADAT 74092 | WRC |
| SA | 1650 | 140 SCT 250-SCT | 20 | | | 198 | 40 | 13 | 12 | 05 | | 009 | | WRC |
| SA | 1750 | 140 SCT 250-SCT | 20 | | | 204 | 36 | 12 | 09 | 04 | | 010 | | WRC |
| SA | 1850 | 140 SCT 250-SCT | 20 | | | 208 | 34 | 13 | 09 | 03 | | 011 | 210 1038 | WRC |
| SA | 1950 | 140 SCT | 20 | | | 208 | 31 | 14 | 04 | 05 | | 011 | | WRC |
| SA | 2050 | CLR | 20 | | | 206 | 30 | 13 | 03 | 02 | | 011 | | WRC |
| SA | 2145 | CLR | 20 | | | 209 | 29 | 16 | 04 | 03 | | 012 | 303 46 | WRC |
| SA | 2250 | CLR | 20 | | | 208 | 31 | 14 | 00 | 00 | | 012 | | WRC |
| SA | 2350 | CLR | 20 | | | 203 | 30 | 12 | 00 | 00 | | 011 | | WRC |

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: 1982 DEC 26

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 | 26.780 | 36.3 | 26.8 | 23 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .020 | | | 00-01 |
| 01 47 | 26.780 | 31.3 | 24.6 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.790 | 30.4 | 24.2 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.770 | 31.5 | 24.2 | 31 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 03-04 |
| 04 49 | 26.760 | 31.0 | 24.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.760 | 28.5 | 23.0 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.760 | 32.0 | 25.0 | 34 | 6 | 2 | AC | 160 | 4 | CS | E250 | 6 | | | | | | | | 5 | 6 | .010 | | | 06-07 |
| 07 46 | 26.760 | 33.3 | 26.1 | 36 | 8 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 45 | 26.770 | 37.7 | 29.7 | 37 | 10 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 49 | 26.770 | 40.0 | 30.3 | 29 | 10 | 4 | AC | 140 | 6 | AC | E180 | 10 | | | | | | | | 9 | 1 | .010 | | | 09-10 |
| 10 46 | 26.760 | 40.5 | 31.1 | 32 | 9 | | | | | | | | | | | | | | | 9 | | | | | 10-11 |
| 11 45 | 26.710 | 43.1 | 32.3 | 27 | 10 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 49 | 26.680 | 44.8 | 32.6 | 21 | 10 | 2 | AC | 140 | 10 | CS | 250 | 10 | | | | | | | | 3 | 8 | .090 | | | 12-13 |
| 13 47 | 26.670 | 45.6 | 32.8 | 19 | 10 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 47 | 26.660 | 45.6 | 33.2 | 21 | 10 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 50 | 26.660 | 46.1 | 34.2 | 25 | 8 | 2 | AC | 140 | 6 | CS | 250 | 8 | | | | | | | | 3 | 6 | .020 | | | 15-16 |
| 16 50 | 26.675 | 40.0 | 30.9 | 33 | 3 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.680 | 36.0 | 28.3 | 36 | 3 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 50 | 26.690 | 33.8 | 27.3 | 42 | 2 | 1 | AC | 140 | 1 | CS | 250 | 2 | | | | | | | | 1 | 2 | .030 | | | 18-19 |
| 19 50 | 26.690 | 31.3 | 26.0 | 48 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 50 | 26.690 | 29.9 | 25.0 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 45 | 26.700 | 29.2 | 25.3 | 58 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 21-22 |
| 22 50 | 26.700 | 31.3 | 25.9 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.690 | 30.4 | 25.0 | 46 | 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 0344 | | 0 | 0 | | 36 | 30 | | | | | | | | | | |
| | 0344 | 1 | 0 | 0 | 0 | 36 | 30 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 40 | 26 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 46 | 40 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 46 | 29 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 33 | 29 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0946 | 1548 | 2143 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.770 | 26.770 | 26.660 | 26.700 |
| BAROGRAPH 64 | 26.780 | 26.770 | 26.675 | 26.705 |
| BAR. CORR. 65 | -.010 | ±.0 | -.015 | -.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 26 | 0 | 0 | 0 | 15 | NE | 0641 | | | | | 9 | 4 | | |

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: 0700 P ⊗2 Sec./ 2112P ⊗ 2Sec./ ± Sec.

## WEATHER & OBSTRUCTIONS TO VISION

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

MF1-10A
(1-82)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSSS DESERT ROCK, NV

DATE: 1982 DEC 27

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 | 0050 | CLR | 20 | | | 199 | 29 | 12 | 07 | 05 | | 010 | S07 | WRG |
| SA | 0150 | CLR | 20 | | | 199 | 27 | 13 | 00 | 00 | | 010 | | WRG |
| SA | 0250 | CLR | 20 | | | 199 | 28 | 15 | 12 | 04 | | 010 | | WRG |
| SA | 0349 | CLR | 20 | | | 199 | 28 | 15 | 00 | 00 | | 010 | 400 26 RADAT 43L036062 | JK |
| SA | 0448 | CLR | 20 | | | 204 | 27 | 14 | 00 | 00 | | 010 | | JK |
| SA | 0546 | CLR | 20 | | | 205 | 28 | 16 | 08 | 05 | | 010 | | JK |
| SA | 0647 | 250 - SCT | 20 | | | 216 | 27 | 16 | 00 | 00 | | 012 | 307 1001 | JK |
| SA | 0752 | 250 - SCT | 20 | | | 223 | 30 | 18 | 09 | 03 | | 014 | | JK |
| SA | 0846 | 250 - BKN | 20 | | | 219 | 37 | 19 | 17 | 04 | | 014 | | JK |
| SA | 0947 | 250 - OVC | 20 | | | 218 | 44 | 10 | 04 | 10 | | 015 | 310 1007 25 | JK |
| SA | 1048 | 250 - OVC | 20 | | | 209 | 45 | 18 | 36 | 10 | | 013 | | JK |
| SA | 1146 | 250 - OVC | 20 | | | 199 | 48 | 20 | 28 | 06 | | 011 | | JK |
| SA | 1247 | 250 - OVC | 20 | | | 189 | 47 | 18 | 22 | 06 | | 008 | 824 1007 | JK |
| SA | 1345 | 250 - OVC | 20 | | | 184 | 50 | 20 | 22 | 06 | | 007 | | JK |
| SA | 1445 | 250 - OVC | 20 | | | 177 | 51 | 17 | 31 | 03 | | 004 | | JK |
| SA | 1550 | 160 SCT 250 - OVC | 20 | | | 189 | 48 | 21 | 30 | 05 | | 007 | 500 1077 51 RADAT 42L072080093 | WRG |
| SA | 1650 | 250 - OVC | 20 | | | 201 | 41 | 24 | 05 | 10 | | 009 | | WRG |
| SA | 1750 | 250 - OVC | 20 | | | 208 | 43 | 18 | 02 | 17 | | 012 | | WRG |
| SA | 1850 | 250 - OVC | 20 | | | 218 | 41 | 19 | 04 | 16 | | 014 | 220 1007 | WRG |
| SA | 1950 | 250 - OVC | 20 | | | 223 | 41 | 18 | 04 | 18 | | 016 | | WRG |
| SA | 2050 | 250 - OVC | 20 | | | 229 | 40 | 18 | 04 | 18 | | 019 | | WRG |
| SA | 2145 | 250 - OVC | 20 | | | 231 | 37 | 16 | 04 | 17 | | 021 | 220 1007 51 | WRG |
| SA | 2250 | 250 - OVC | 20 | | | 243 | 35 | 14 | 04 | 16 | | 024 | | WRG |
| SA | 2350 | 250 - OVC | 20 | | | 246 | 33 | 12 | 03 | 13 | | 025 | | WRG |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: NBMO, DESERT ROCK, NV

DATE: 1982 DEC 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 | 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 | 26.680 | 28.9 | 24.1 | 49 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 00-01 |
| 01 50 | 26.680 | 27.2 | 23.3 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.680 | 27.8 | 24.0 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.680 | 28.2 | 24.2 | 56 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 48 | 26.680 | 26.7 | 23.2 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.680 | 27.6 | 24.1 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.700 | 27.0 | 23.8 | 63 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 52 | 26.720 | 30.1 | 26.2 | 60 | 2 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 40 | 26.720 | 36.5 | 30.3 | 49 | 6 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 47 | 26.730 | 43.8 | 32.5 | 25 | 10 | 10 | CS | 250 | | | | | | | | | | | | 2 | 3 | .030 | | | 09-10 |
| 10 48 | 26.710 | 45.0 | 35.0 | 34 | 10 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 46 | 26.690 | 48.3 | 37.1 | 32 | 10 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 47 | 26.660 | 47.1 | 36.1 | 31 | 10 | 10 | CS | 250 | | | | | | | | | | | | 3 | 8 | .070 | | | 12-13 |
| 13 45 | 26.650 | 50.0 | 38.0 | 30 | 10 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 45 | 26.630 | 51.2 | 38.0 | 25 | 10 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 50 | 26.660 | 48.2 | 37.3 | 34 | 10 | 1 | AC | 160 | 9 | CS | 250 | 10 | | | | | | | | 5 | 5 | .000 | | | 15-16 |
| 16 50 | 26.675 | 41.1 | 34.2 | 49 | 10 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 50 | 26.700 | 43.2 | 33.9 | 36 | 10 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 50 | 26.720 | 41.2 | 33.0 | 39 | 10 | 10 | CS | 250 | | | | | | | | | | | | 5 | 2 | .060 | | | 18-19 |
| 19 50 | 26.740 | 40.6 | 32.4 | 40 | 10 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 50 | 26.765 | 39.8 | 31.8 | 41 | 10 | | | | | | | | | | | | | | | 5 | | | | | 20-21 |
| 21 45 | 26.780 | 37.2 | 30.0 | 42 | 10 | 10 | CS | 250 | | | | | | | | | | | | 5 | 2 | .060 | | | 21-22 |
| 22 50 | 26.810 | 35.2 | 28.4 | 42 | 10 | | | | | | | | | | | | | | | 5 | | | | | 22-23 |
| 23 50 | 26.820 | 33.4 | 26.9 | 41 | 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 | 30 | 26 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 33 | 26 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 44 | 25 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 51 | 44 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 48 | 37 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 38 | 33 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0945 | 1546 | 2143 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.680 | 26.730 | 26.660 | 26.780 |
| BAROGRAPH 64 | 26.660 | 26.720 | 26.665 | 26.770 |
| BAR. CORR. 65 | +.020 | +.010 | -.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | 25 | 0 | 0 | 0 | 24 | NE | 2201 | | | | | 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: 0810 P 0 2 Sec./ 2333 P 3 2 Sec./ ± Sec.

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: 1982 DEC 28

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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 250 - BKN | 20 | | | 247 | 32 | 7 | 02 | 21 | | 025 | 114 1008 | WRG |
| SA | 0150 | 250 - SCT | 20 | | | 254 | 31 | 4 | 04 | 13 | | 027 | | WRG |
| SA | 0250 | 250 - SCT | 20 | | | 258 | 30 | 2 | 02 | 15 | | 028 | | WRG |
| SA | 0347 | 250 - SCT | 20 | | | 261 | 29 | -1 | 05 | 10 | | 028 | 110 1001 29 RADAT ZERO | JK |
| SA | 0450 | 250 - SCT | 20 | | | 270 | 28 | -3 | 03 | 11 | | 030 | | JK |
| SA | 0545 | CLR | 20 | | | 274 | 27 | 2 | 04 | 10 | | 031 | | JK |
| SA | 0646 | CLR | 20 | | | 284 | 27 | 2 | 04 | 08 | | 033 | 314 1001 | JK |
| SA | 0750 | CLR | 20 | | | 285 | 29 | 0 | 02 | 13 | | 034 | | JK |
| SA | 0847 | CLR | 20 | | | 292 | 30 | 2 | 03 | 12 | | 036 | | JK |
| SA | 0949 | CLR | 20 | | | 292 | 35 | 5 | 04 | 10 | | 036 | 110 1001 26 | JK |
| SA | 1046 | CLR | 20 | | | 284 | 37 | 0 | 06 | 06 | | 034 | | JK |
| SA | 1148 | CLR | 20 | | | 268 | 38 | 3 | 12 | 12 | | 030 | | JK |
| SA | 1253 | CLR | 20 | | | 253 | 40 | 9 | 13 | 14 | | 025 | 834 1001 | JK |
| SA | 1345 | CLR | 20 | | | 247 | 41 | 8 | 12 | 13 | | 023 | | JK |
| SA | 1450 | CLR | 20 | | | 239 | 40 | 9 | 12 | 12 | | 021 | CIRW | JK |
| SA | 1550 | 180 SCT E250 BKN | 20 | | | 237 | 38 | 18 | 13 | 12 | | 019 | 717 1031 41 RADAT 20049 | WRG |
| SA | 1650 | 180 SCT 250 - OVC | 20 | | | 244 | 35 | 7 | 11 | 10 | | 021 | | WRG |
| SA | 1750 | 180 SCT 250 - OVC | 20 | | | 246 | 32 | 5 | 09 | 11 | | 021 | | WRG |
| SA | 1850 | 250 - OVC | 20 | | | 250 | 29 | 7 | 04 | 04 | | 021 | 103 1007 | WRG |
| SA | 1950 | 250 - OVC | 20 | | | 247 | 31 | 5 | 12 | 06 | | 021 | | WRG |
| SA | 2045 | 250 - BKN | 20 | | | 248 | 29 | 7 | 11 | 08 | | 021 | | WRG |
| SA | 2150 | 250 - BKN | 20 | | | 237 | 29 | 8 | 27 | 06 | | 018 | 807 1008 41 | WRG |
| SA | 2250 | 250 - BKN | 20 | | | 236 | 29 | 4 | 02 | 05 | | 018 | | WRG |
| SA | 2350 | 250 SCT | 20 | | | 227 | 26 | 6 | 04 | 04 | | 016 | | WRG |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 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 50 | 26.820 | 32.4 | 25.3 | 34 | 7 | 7 | CS | 250 | | | | | | | | | | | | 3 | 1 | .040 | | | 00-01 |
| 01 50 | 26.840 | 31.3 | 24.1 | 31 | 5 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.850 | 30.2 | 23.0 | 29 | 2 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 47 | 26.850 | 29.3 | 22.1 | 27 | 2 | 2 | CI | 250 | | | | | | | | | | | | 0 | 1 | .030 | | | 03-04 |
| 04 50 | 26.860 | 28.0 | 21.0 | 26 | 2 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.870 | 27.0 | 21.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.870 | 27.0 | 21.0 | 33 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 50 | 26.900 | 29.1 | 22.1 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.920 | 30.1 | 23.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.920 | 34.6 | 26.2 | 28 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 10 46 | 26.900 | 37.0 | 27.0 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.860 | 38.3 | 28.1 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.820 | 40.1 | 30.1 | 27 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 8 | .100 | | | 12-13 |
| 13 45 | 26.800 | 40.8 | 30.3 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.780 | 40.3 | 30.2 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.770 | 38.3 | 30.9 | 43 | 6 | 2 | AC | 180 | 4 | CI | E250 | 6 | | | | | | | | 6 | 7 | .050 | | | 15-16 |
| 16 50 | 26.780 | 35.1 | 26.9 | 31 | 10 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 50 | 26.780 | 32.2 | 24.8 | 32 | 10 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 50 | 26.740 | 29.3 | 23.4 | 39 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 1 | .010 | | | 18-19 |
| 19 50 | 26.780 | 31.0 | 24.0 | 32 | 10 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 45 | 26.780 | 29.3 | 23.4 | 39 | 9 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 50 | 26.760 | 28.5 | 22.9 | 41 | 8 | 8 | CS | 250 | | | | | | | | | | | | 4 | 8 | .020 | | | 21-22 |
| 22 50 | 26.760 | 29.2 | 22.8 | 34 | 8 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 50 | 26.740 | 28.2 | 22.8 | 38 | 3 | | | | | | | | | | | | | | | 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 0345 | X | 0 | 0 | X | 33 | 29 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 38 | 29 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 35 | 26 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 41 | 35 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 38 | 28 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 30 | 28 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0945 | 1546 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.850 | 26.920 | 26.770 | 26.760 |
| BAROGRAPH 64 | 26.840 | 26.910 | 26.800 | 26.760 |
| BAR. CORR. 65 | +.010 | +.010 | -.030 | ±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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 26 | 0 | 0 | 0 | 22 | NE | 0118 | | | | | 1 | 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: 0715P ±2 Sec./ 2251 ±2 Sec./ ± Sec.

MF1-10A
(1-82)

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

# SURFACE WEATHER OBSERVATIONS

STATION: BISMO, DESERT ROCK, NV

DATE: 1982 DEC 29

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) | OBS. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 250 SCT | 20 | | | 222 | 27 | 5 | 35 | 05 | | 015 | 810 1008 | WRG |
| SA | 0150 | 250 SCT | 20 | | | 220 | 24 | 4 | 36 | 03 | | 014 | | WRG |
| SA | 0250 | CLR | 20 | | | 216 | 24 | 4 | 00 | 00 | | 013 | | WRG |
| SA | 0352 | CLR | 20 | | | 214 | 24 | 4 | 33 | 07 | | 012 | 710 1078 23 RADAT ZERO | HG |
| SA | 0450 | 60 SCT | 20 | | | 215 | 25 | 3 | 03 | 10 | | 012 | | HG |
| SA | 0549 | E60 BKN | 20 | | | 216 | 27 | 4 | 07 | 07 | | 012 | | HG |
| SA | 0647 | M75 OVC | 20 | | | 217 | 28 | 4 | 36 | 04 | | 012 | BINOVC / 400 15// | HG |
| SA | 0748 | M75 OVC | 20 | | | 215 | 30 | 1 | 05 | 09 | | 012 | BINOVC | HG |
| SA | 0847 | E80 OVC | 20 | | | 223 | 31 | 4 | 12 | 04 | | 014 | BINOVC | HG |
| SA | 0945 | E80 OVC | 20 | | | 225 | 34 | 4 | 07 | 03 | | 015 | 310 15// 23 | HG |
| SA | 1049 | E100 BKN 220 OVC | 20 | | | 216 | 36 | 5 | 05 | 02 | | 013 | | HG |
| SA | 1146 | E110 OVC | 20 | | | 205 | 36 | 7 | 31 | 03 | | 010 | | HG |
| SA | 1245 | E120 OVC | 20 | | | 198 | 37 | 3 | 29 | 05 | | 007 | BINOVC SWU SE / 724 107 | HG |
| SA | 1348 | E120 BKN 220 BKN | 20 | | | 191 | 40 | 9 | 25 | 04 | | 005 | | HG |
| SA | 1450 | 120 SCT E220 BKN | 20 | | | 184 | 38 | 3 | 03 | 07 | | 003 | SWU SE | HG |
| SA | 1552 | 120 SCT 220-BKN | 20 | | | 184 | 37 | 7 | 12 | 08 | | 003 | 614 1031 41 RADAT | JC |
| / | | | | | | | | | | | | | 25045 | / |
| SA | 1651 | 220 SCT | 20 | | | 182 | 34 | 7 | 09 | 06 | | 002 | FEW AC SE | JC |
| SA | 1750 | CLR | 20 | | | 187 | 30 | 6 | 05 | 10 | | 003 | FEW CI SE | JC |
| SA | 1849 | CLR | 20 | | | 188 | 27 | 8 | 09 | 04 | | 003 | 500 1001 | JC |
| SA | 1948 | CLR | 20 | | | 187 | 28 | 6 | 03 | 09 | | 003 | FEW CI SE | JC |
| SA | 2046 | CLR | 20 | | | 186 | 27 | 6 | 05 | 09 | | 003 | | JC |
| SA | 2154 | CLR | 20 | | | 185 | 30 | 2 | 05 | 12 | | 004 | 303 41 | JC |
| SA | 2248 | CLR | 20 | | | 184 | 31 | 10 | 02 | 10 | | 004 | | JC |
| SA | 2345 | CLR | 20 | | | 183 | 31 | 4 | 03 | 16 | 621 | 004 | | 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 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_hC_LC_MC_H$

☆ 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: 1982 DEC 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 | 26.730 | 27.3 | 21.6 | 37 | 2 | 2 | CS | 250 | | | | | | | | | | | | 2 | 8 | .030 | | | 00-01 |
| 01 50 | 26.720 | 23.6 | 19.0 | 42 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.710 | 24.0 | 19.4 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.700 | 23.6 | 19.0 | 42 | 0 | 0 | AC | 100 | 0 | CS | 250 | 0 | | | | | | | | 0 | 7 | .030 | | | 03-04 |
| 04 50 | 26.700 | 24.5 | 19.5 | 39 | 3 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 49 | 26.700 | 27.1 | 21.3 | 36 | 6 | | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 47 | 26.700 | 28.1 | 22.1 | 36 | 10 | 10 | SC | MTS | | | | | | | | | | | | 9 | 4 | .000 | | | 06-07 |
| 07 48 | 26.700 | 29.8 | 22.6 | 28 | 10 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 47 | 26.720 | 30.6 | 23.6 | 31 | 10 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 45 | 26.730 | 33.9 | 25.7 | 28 | 10 | 10 | SC | E80 | | | | | | | | | | | | 9 | 3 | .030 | | | 09-10 |
| 10 49 | 26.710 | 35.6 | 26.8 | 27 | 10 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 46 | 26.680 | 36.4 | 27.6 | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 45 | 26.660 | 36.8 | 27.3 | 24 | 10 | 10 | AC | E120 | | | | | | | | | | | | 8 | 7 | .070 | | | 12-13 |
| 13 48 | 26.640 | 39.5 | 29.8 | 28 | 9 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 50 | 26.620 | 38.3 | 28.1 | 22 | 9 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 52 | 26.620 | 37.0 | 28.0 | 28 | 7 | 5 | AC | 120 | 3 | CI | 220 | 7 | | | | | | | | 3 | 6 | .040 | | | 15-16 |
| 16 51 | 26.610 | 34.2 | 26.3 | 31 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.620 | 29.8 | 23.4 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.620 | 27.4 | 22.2 | 42 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 48 | 26.620 | 27.6 | 22.0 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 46 | 26.620 | 27.4 | 21.9 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.630 | 30.1 | 23.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | 3 | -.010 | | | 21-22 |
| 22 48 | 26.630 | 30.6 | 24.6 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.630 | 31.1 | 24.0 | 31 | 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 | 28 | 23 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 30 | 23 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 34 | 24 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 41 | 33 | | 0 | | | | | | | | |
| | 2145 | * | 0 | 0 | 0 | 37 | 27 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 31 | 30 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0945 | 1547 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.730 | 26.620 | 26.630 |
| BAROGRAPH 64 | 26.690 | 26.730 | 26.640 | 26.640 |
| BAR. CORR. 65 | +.010 | *0 | -.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 23 | 0 | 0 | 0 | 22 | NE | 2348 | | | | | 10 | 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: 0607 ±2 Sec./ 1745P ±2 Sec./ ± Sec.

* BAROGRAPH CHANGED RESET TO ±.0 CORR

MF1-10B (1-82) SUPERSEDES MF1-10B (2-72) 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: 1982 DEC 30

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 | 0050 | CLR | 20 | | | 184 | 30 | 9 | 05 | 15 | | 004 | 400 | JC |
| SA | 0146 | CLR | 20 | | | 191 | 29 | 5 | 05 | 10 | | 007 | | JC |
| SA | 0247 | CLR | 20 | | | 195 | 28 | 9 | 03 | 06 | | 008 | | JC |
| SA | 0351 | CLR | 20 | | | 193 | 28 | 2 | 02 | 07 | | 007 | 00727 RADAT ZERO | JC |
| SA | 0447 | CLR | 20 | | | 200 | 26 | 6 | 03 | 08 | | 008 | | JC |
| SA | 0545 | CLR | 20 | | | 211 | 26 | 6 | 08 | 08 | | 010 | | JC |
| SA | 0646 | CLR | 20 | | | 216 | 27 | 10 | 06 | 05 | | 011 | 214 1500 | JC |
| SA | 0746 | CLR | 20 | | | 223 | 28 | 6 | 08 | 05 | | 013 | | JC |
| SA | 0845 | CLR | 20 | | | 225 | 32 | 4 | 03 | 11 | | 014 | | JC |
| SA | 0946 | CLR | 20 | | | 225 | 33 | 0 | 02 | 10 | | 015 | 114 26 | JC |
| SA | 1047 | CLR | 20 | | | 218 | 36 | 9 | 03 | 16 | | 014 | | JC |
| SA | 1145 | 250-SCT | 20 | | | 205 | 39 | 12 | 07 | 12 | | 011 | | JC |
| SA | 1245 | 250-BKN | 20 | | | 196 | 41 | 11 | 06 | 12 | | 008 | 820 1001 | JC |
| SA | 1350 | 250-BKN | 20 | | | 192 | 42 | 12 | 02 | 14 | G19 | 007 | BD NW | JC |
| SA | 1450 | CLR | 10 | | | 186 | 42 | 10 | 03 | 15 | G20 | 005 | BD ALQDS | JC |
| SA | 1552 | CLR | 20 | | | 193 | 42 | 10 | 06 | 13 | | 008 | 503 43 RADAT 31050 | JC |
| SA | 1651 | CLR | 20 | | | 210 | 38 | 9 | 05 | 12 | | 011 | | JC |
| SA | 1754 | CLR | 20 | | | 215 | 36 | 9 | 02 | 11 | | 012 | | JC |
| SA | 1850 | CLR | 20 | | | 223 | 34 | 9 | 05 | 10 | | 014 | 120 | JC |
| SA | 1952 | CLR | 20 | | | 225 | 34 | 8 | 07 | 13 | | 015 | | JC |
| SA | 2048 | CLR | 20 | | | 222 | 35 | 14 | 06 | 12 | | 015 | | JC |
| SA | 2153 | CLR | 20 | | | 234 | 34 | 11 | 06 | 13 | | 018 | 314 43 | JC |
| SA | 2249 | CLR | 20 | | | 236 | 32 | 14 | 05 | 10 | | 020 | | JC |
| SA | 2352 | CLR | 20 | | | 235 | 31 | 8 | 04 | 07 | | 020 | | JC |

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

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

☆ 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: 1982 DEC 30

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 | 26.630 | 29.8 | 24.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 46 | 26.650 | 28.8 | 22.6 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 47 | 26.660 | 28.2 | 23.0 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.650 | 27.6 | 21.4 | 33 | 0 | | | | | | | | | | | | | | | 0 | 0 | .020 | | | 03-04 |
| 04 47 | 26.660 | 26.2 | 21.2 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.680 | 26.0 | 21.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.690 | 27.2 | 22.5 | 47 | 0 | 0 | SC | 40 | | | | | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 46 | 26.710 | 28.4 | 22.6 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.720 | 31.8 | 24.4 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 46 | 26.730 | 33.2 | 24.7 | 24 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 09-10 |
| 10 47 | 26.720 | 36.2 | 28.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.690 | 38.7 | 29.9 | 33 | 2 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 45 | 26.670 | 41.0 | 31.0 | 29 | 8 | 8 | CI | 250 | | | | | | | | | | | | 1 | 8 | .060 | | | 12-13 |
| 13 50 | 26.660 | 42.1 | 31.8 | 29 | 6 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.640 | 41.6 | 31.1 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.660 | 41.9 | 31.2 | 26 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 15-16 |
| 16 51 | 26.690 | 37.9 | 28.8 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 54 | 26.700 | 36.4 | 28.0 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.720 | 34.0 | 26.6 | 35 | 0 | | | | | | | | | | | | | | | 0 | 1 | .060 | | | 18-19 |
| 19 52 | 26.730 | 33.9 | 26.3 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.730 | 35.1 | 28.2 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.760 | 34.2 | 27.1 | 38 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 21-22 |
| 22 49 | 26.770 | 32.1 | 26.4 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.770 | 31.2 | 24.7 | 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 ICE ON GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 31 | 27 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 31 | 27 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 33 | 26 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 43 | 33 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 43 | 33 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 34 | 31 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0946 | 1546 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.650 | 26.730 | 26.660 | 26.760 |
| BAROGRAPH 64 | 26.660 | 26.740 | 26.680 | 26.760 |
| BAR. CORR. 65 | +.010 | -.010 | -.020 | ± 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | 26 | 0 | 0 | 0 | 27 | NE | 1301 | | | | | 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: 0651 ±2 Sec./ 1910P 02 Sec./ ± Sec.

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: 1982 DEC 31

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 | CLR | 20 | | | 234 | 31 | 11 | 04 | 13 | | 020 | 103 | JC |
| SA | 0151 | CLR | 20 | | | 234 | 30 | 11 | 04 | 11 | | 020 | | JC |
| SA | 0252 | CLR | 20 | | | 234 | 30 | 6 | 04 | 10 | | 020 | | JC |
| SA | 0348 | CLR | 20 | | | 233 | 31 | 7 | 04 | 12 | | 020 | 400 29 RADAT 33L034044 | NS |
| SA | 0448 | CLR | 20 | | | 232 | 31 | 7 | 03 | 12 | | 018 | | NS |
| SA | 0548 | CLR | 20 | | | 243 | 30 | 9 | 12 | 05 | | 021 | | NS |
| SA | 0647 | CLR | 20 | | | 249 | 29 | 5 | 07 | 11 | | 022 | 307 1001 | NS |
| SA | 0748 | CLR | 20 | | | 250 | 32 | 6 | 04 | 13 | | 023 | | NS |
| SA | 0845 | CLR | 20 | | | 257 | 35 | 8 | 05 | 10 | | 026 | | NS |
| SA | 0948 | CLR | 20 | | | 261 | 38 | 11 | 04 | 12 | | 027 | 317 27 | NS |
| SA | 1045 | CLR | 20 | | | 258 | 40 | 10 | 06 | 08 | | 026 | | NS |
| SA | 1146 | CLR | 20 | | | 242 | 44 | 7 | 11 | 10 | | 023 | | NS |
| SA | 1246 | CLR | 20 | | | 232 | 45 | 9 | 12 | 11 | | 019 | 824 | NS |
| SA | 1346 | CLR | 20 | | | 224 | 46 | 8 | 13 | 12 | | 017 | | NS |
| SA | 1450 | CLR | 20 | | | 220 | 46 | 7 | 13 | 15 | | 016 | | NS |
| SA | 1554 | CLR | 20 | | | 226 | 46 | 10 | 13 | 16 | | 018 | 503 47 RADAT 31062 | JC |
| SA | 1653 | CLR | 20 | | | 234 | 42 | 11 | 08 | 09 | | 020 | | JC |
| SA | 1754 | CLR | 20 | | | 243 | 41 | 7 | 10 | 10 | | 022 | | JC |
| SA | 1848 | CLR | 20 | | | 248 | 39 | 12 | 11 | 08 | | 023 | 214 | JC |
| SA | 1951 | CLR | 20 | | | 246 | 39 | 8 | 12 | 06 | | 023 | | JC |
| SA | 2050 | CLR | 20 | | | 253 | 32 | 0 | 07 | 03 | | 024 | | JC |
| SA | 2152 | CLR | 20 | | | 258 | 32 | 12 | 28 | 06 | | 026 | 310 47 | JC |
| SA | 2254 | CLR | 20 | | | 257 | 31 | 11 | 11 | 04 | | 026 | | JC |
| SA | 2348 | CLR | 20 | | | 253 | 34 | 10 | 05 | 10 | | 026 | | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ 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: 1982 DEC 31

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 | 26.770 | 30.6 | 24.8 | 43 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 51 | 26.770 | 30.0 | 24.6 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.770 | 29.8 | 23.4 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.770 | 31.1 | 24.4 | 35 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 48 | 26.760 | 31.3 | 24.6 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.780 | 29.5 | 23.8 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.790 | 29.0 | 22.7 | 35 | 0 | 0 | 21 | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 48 | 26.800 | 31.5 | 24.5 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.825 | 34.8 | 26.8 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.840 | 38.1 | 29.3 | 32 | 0 | | | | | | | | | | | | | | | 0 | 3 | .050 | | | 09-10 |
| 10 45 | 26.830 | 40.3 | 30.3 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 46 | 26.795 | 43.9 | 32.0 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 46 | 26.770 | 45.2 | 33.2 | 23 | 0 | | | | | | | | | | | | | | | 0 | 8 | .070 | | | 12-13 |
| 13 46 | 26.750 | 46.0 | 33.5 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.740 | 45.9 | 33.3 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 54 | 26.760 | 45.5 | 33.4 | 23 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 15-16 |
| 16 53 | 26.770 | 41.6 | 31.3 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 54 | 26.790 | 40.8 | 30.2 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.800 | 39.2 | 30.2 | 33 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 18-19 |
| 19 51 | 26.800 | 38.7 | 29.2 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.810 | 32.0 | 23.9 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.830 | 32.3 | 26.2 | 43 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 21-22 |
| 22 54 | 26.830 | 30.9 | 25.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.830 | 34.1 | 26.9 | 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 0344 | X | 0 | 0 | X | 31 | 29 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 34 | 29 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 38 | 27 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 47 | 38 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 46 | 32 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 34 | 30 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0948 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.770 | 26.840 | 26.760 | 26.830 |
| BAROGRAPH 64 | 26.770 | 26.835 | 26.775 | 26.830 |
| BAR. CORR. 65 | 0 | +.005 | -.015 | ±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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 27 | 0 | 0 | 0 | 19 | NE | 0331 | | | | | 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: 0654 P ±2 Sec./ 1921 P ±2 Sec./ ± Sec.