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, Nevada

MONTH: May

YEAR: 1986

LATITUDE: 36° 37' N

LONGITUDE: 116° 01' W

GROUND ELEVATION (H): 3298 FT.

STANDARD TIME: Pacific

| DAY | TEMPERATURE °F: MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | DEGREE DAYS (Base 65°): HEATING | COOLING | PRECIPITATION (In.): TOTAL (Water equivalent) | SNOWFALL, ICE PELLETS | SNOW, ICE PELLETS OR ICE ON GROUND AT 4AM | WIND: AVERAGE SPEED Knots | PEAK: SPEED Knots | DIRECTION | SUNSHINE: Ave. Stn. Pressure | PERCENT OF POSSIBLE | SKY COVER SUNRISE TO SUNSET (Tenths) | WEATHER OCCURRENCES | RH 04 | 10 | 16 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 85 | 53 | 69 | | 0 | 4 | 0 | 0 | 0 | 8.5 | 28 | SW | 26.57 | | 5 | | 29 | 18 | 9 | 15 |
| 2 | 86 | 55 | 71 | | 0 | 6 | 0 | 0 | 0 | 8.5 | 30 | S | 26.54 | | 1 | | 29 | 12 | 11 | 23 |
| 3 | 82 | 59 | 71 | | 0 | 6 | 0 | 0 | 0 | 16.1 | 34 | SW | 26.45 | | 1 | | 30 | 18 | 18 | 30 |
| 4 | 69 | 47 | 58 | | 7 | 0 | 0 | 0 | 0 | 10.7 | 34 | SW | 26.48 | | 2 | | 41 | 25 | 12 | 19 |
| 5 | 75 | 48 | 62 | | 3 | 0 | 0 | 0 | 0 | 12.8 | 37 | SW | 26.37 | | 9 | | 28 | 15 | 13 | 31 |
| 6 | 56 | 40 | 48 | | 17 | 0 | 0.16 | 0 | 0 | 10.0 | 27 | SW | 26.32 | | 10 | RW-, R- | 46 | 80 | 66 | 87 |
| 7 | 67 | 37 | 52 | | 13 | 0 | 0 | 0 | 0 | 7.0 | 27 | W | 26.45 | | 3 | | 96 | 30 | 14 | 30 |
| 8 | 72 | 46 | 59 | | 6 | 0 | 0 | 0 | 0 | 7.9 | 30 | NW | 26.50 | | 4 | | 52 | 23 | 15 | 32 |
| 9 | 75 | 44 | 60 | | 5 | 0 | 0 | 0 | 0 | 6.0 | 19 | S | 26.50 | | 1 | | 53 | 21 | 12 | 16 |
| 10 | 81 | 60 | 71 | | 0 | 6 | 0 | 0 | 0 | 16.9 | 35 | SW | 26.36 | | 3 | | 22 | 22 | 13 | 27 |
| 11 | 79 | 51 | 65 | | 0 | 0 | 0 | 0 | 0 | 8.9 | 25 | SW | 26.42 | | 0 | | 40 | 26 | 11 | 17 |
| 12 | 83 | 56 | 70 | | 0 | 5 | 0 | 0 | 0 | 7.5 | 17 | NE | 26.53 | | 0 | | 27 | 17 | 11 | 20 |
| 13 | 86 | 56 | 71 | | 0 | 6 | 0 | 0 | 0 | 6.2 | 18 | SW | 26.47 | | 2 | | 24 | 15 | 8 | 14 |
| 14 | 88 | 58 | 73 | | 0 | 8 | 0 | 0 | 0 | 7.0 | 23 | N | 26.36 | | 8 | | 24 | 15 | 13 | 15 |
| 15 | 86 | 64 | 75 | | 0 | 10 | 0 | 0 | 0 | 8.4 | 23 | N | 26.37 | | 6 | | 31 | 24 | 11 | 12 |
| 16 | 83 | 61 | 72 | | 0 | 7 | 0 | 0 | 0 | 10.1 | 23 | NW | 26.57 | | 0 | | 17 | 14 | 10 | 9 |
| 17 | 83 | 55 | 69 | | 0 | 4 | 0 | 0 | 0 | 7.0 | 20 | E | 26.69 | | 5 | | 23 | 13 | 7 | 14 |
| 18 | 91 | 51 | 71 | | 0 | 6 | 0 | 0 | 0 | 5.1 | 16 | W | 26.58 | | 0 | | 17 | 7 | 8 | 13 |
| 19 | 94 | 55 | 75 | | 0 | 10 | 0 | 0 | 0 | 8.0 | 26 | S | 26.47 | | 4 | | 21 | 7 | 7 | 13 |
| 20 | 89 | 66 | 78 | | 0 | 13 | 0 | 0 | 0 | 13.0 | 34 | S | 26.39 | | 6 | | 23 | 15 | 9 | 20 |
| 21 | 82 | 61 | 72 | | 0 | 7 | 0 | 0 | 0 | 16.2 | 39 | SW | 26.35 | | 9 | | 25 | 19 | 10 | 14 |
| 22 | 80 | 54 | 67 | | 0 | 2 | 0 | 0 | 0 | 8.7 | 28 | NE | 26.51 | | 6 | | 17 | 12 | 9 | 15 |
| 23 | 88 | 51 | 70 | | 0 | 5 | 0 | 0 | 0 | 6.3 | 21 | SW | 26.45 | | 8 | | 22 | 9 | 8 | 11 |
| 24 | 93 | 55 | 74 | | 0 | 9 | 0 | 0 | 0 | 5.3 | 19 | SE | 26.53 | | 5 | | 17 | 7 | 8 | 11 |
| 25 | 99 | 59 | 79 | | 0 | 14 | 0 | 0 | 0 | 5.8 | 13 | SW | 26.52 | | 2 | | 16 | 8 | 8 | 12 |
| 26 | 98 | 65 | 82 | | 0 | 17 | 0 | 0 | 0 | 6.8 | 22 | SW | 26.46 | | 0 | | 15 | 10 | 9 | 8 |
| 27 | 99 | 64 | 82 | | 0 | 17 | 0 | 0 | 0 | 6.4 | 17 | SW | 26.40 | | 0 | | 16 | 12 | 10 | 14 |
| 28 | 98 | 69 | 84 | | 0 | 19 | 0 | 0 | 0 | 8.4 | 23 | W | 26.42 | | 3 | | 27 | 19 | 11 | 21 |
| 29 | 99 | 68 | 84 | | 0 | 19 | 0 | 0 | 0 | 6.1 | 17 | W | 26.44 | | 3 | | 31 | 17 | 12 | 18 |
| 30 | 100 | 69 | 85 | | 0 | 20 | 0 | 0 | 0 | 6.6 | 19 | NW | 26.45 | | 2 | | 32 | 14 | 9 | 14 |
| 31 | 99 | 67 | 83 | | 0 | 18 | 0.01 | 0 | 0 | 5.5 | 17 | SW | 26.41 | | 3 | RW- | 33 | 22 | 22 | 24 |
| SUM | 2645 | 1744 | — | — | 51 | 238 | 0.17 | 0 | — | 267.7 | — | — | 820.33 | — | 111 | — | 924 | 566 | 394 | 619 |
| AVG | 85.3 | 56.3 | — | — | — | — | — | — | — | 8.6 | | | | % | 3.6 | — | 30 | 18 | 13 | 20 |
| | | | | | | | | | | MISC. → | FASTEST 39 | DIRECTION SW | 26.46 | | | — | | | | |

**TEMPERATURE DATA**

AVERAGE MONTHLY 70.8

DEPARTURE FROM NORMAL 3.6

HIGHEST 100 ON 30

LOWEST 37 ON 7

NUMBER OF DAYS WITH –

MAX. 32° OR BELOW 0

MAX. 90° OR ABOVE 10

MIN. 32° OR BELOW 0

MIN. 0° OR BELOW 0

HEATING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 51

DEPARTURE FROM NORMAL -21

SEASONAL TOTAL 2555

DEPARTURE FROM NORMAL -268

COOLING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 238

DEPARTURE FROM NORMAL 90

SEASONAL TOTAL 285

DEPARTURE FROM NORMAL 111

**PRECIPITATION DATA**

TOTAL FOR THE MONTH 0.17 IN.

DEPARTURE FROM NORMAL -0.41 IN.

GREATEST IN 24 HRS. 0.16 ON 6

SNOWFALL, ICE PELLETS

TOTAL FOR THE MONTH 0 IN.

GREATEST IN 24 HRS. 0 ON

GREATEST DEPTH ON GROUND 0 ON

**WEATHER**

NUMBER OF DAYS –

CLEAR (Scale 0–3) 18

PARTLY CLOUDY (Scale 4–7) 8

CLOUDY (Scale 8–10) 5

WITH 0.01 INCH OR MORE PRECIP. 2

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**

F = fog
R = rain
RW = rain shower
S = snow
SW = snow shower
T = thunder-storm

MAXIMUM PRECIPITATION

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

HIGHEST stn. 26.775 IN. ON 17

LOWEST stn. 26.215 IN. ON 5

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
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 01 1986

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 250 -SCT | 20 | | | 115 | 64 | 24 | 01 | 04 | | 997 | 103 1008 | WRG |
| SA | 0152 | 160 SCT 250 -SCT | 20 | | | 112 | 61 | 25 | 04 | 08 | | 996 | | WRG |
| SA | 0250 | 160 SCT 250 -SCT | 20 | | | 115 | 59 | 25 | 07 | 04 | | 996 | | WRG |
| SA | 0353 | CLR | 20 | | | 122 | 57 | 25 | 03 | 04 | | 998 | 302 1070 57 RADAT | JC |
| / | | | | | | | ~~55~~ | ~~24~~ | | | | | 20134 | / |
| SA | 0453 | ~~CLR~~ 250-SCT | 20 | | | 125 | 55 | 24 | 04 | 05 | | 999 | FEW AC 160 | JC |
| SA | 0554 | 250 -SCT | 20 | | | 131 | 57 | 25 | 00 | 00 | | 000 | FEW AC 160 | JC |
| SA | 0653 | 250 -SCT | 20 | | | 132 | 66 | 24 | 14 | 03 | | 001 | 210 1071 | JC |
| SA | 0755 | CLR | 20 | | | 133 | 70 | 24 | 32 | 03 | | 002 | FEW AC AND CI | JC |
| SA | 0854 | 250 -SCT | 20 | | | 137 | 73 | 25 | 23 | 10 | | 003 | FEW CU AC NW-N | JC |
| SA | 0953 | 250 -BKN | 20 | | | 136 | 76 | 29 | 06 | 05 | | 003 | 107 1071 53 | JC |
| SA | 1053 | 160 SCT E200 OVC | 20 | | | 127 | 79 | 29 | 32 | 03 | | 001 | | JC |
| SA | 1154 | 160 SCT E200 BKN | 20 | | | 120 | 81 | 26 | 24 | 16 | | 999 | | JC |
| SA | 1253 | 160 SCT 200 -SCT | 20 | | | 111 | 83 | 24 | 24 | 17 | G26 | 997 | 220 1078 | JC |
| SA | 1354 | 200 -SCT | 20 | | | 109 | 84 | 21 | 22 | 17 | G26 | 996 | ACSL SE AND SW | JC |
| SA | 1450 | 200 -SCT | 20 | | | 110 | 84 | 22 | 18 | 13 | G22 | 996 | ACSL SW | JC |
| SA | 1552 | 160 SCT E 230 BKN | 20 | | | 108 | 83 | 19 | 21 | 12 | G20 | 994 | 707 1048 85 RADAT 25131 | WRG |
| SA | 1652 | 160 SCT E 230 OVC | 20 | | | 109 | 81 | 21 | 19 | 12 | | 994 | BINOVC NW | WRG |
| SA | 1752 | E160 BKN 230 OVC | 20 | | | 109 | 79 | 18 | 22 | 13 | | 994 | | WRG |
| SA | 1852 | E160 BKN 230 OVC | 20 | | | 110 | 77 | 22 | 17 | 09 | | 995 | 303 1078 | WRG |
| SA | 1952 | 160 SCT E230 BKN | 20 | | | 106 | 75 | 23 | 17 | 08 | | 994 | | WRG |
| SA | 2050 | 160 SCT 250 -BKN | 20 | | | 104 | 74 | 19 | 18 | 06 | | 994 | | WRG |
| SA | 2152 | 160 SCT 250 SCT | 20 | | | 103 | 72 | 21 | 20 | 11 | | 994 | 603 1078 85 | WRG |
| SA | 2252 | 160 SCT 250 SCT | 20 | | | 102 | 70 | 23 | 23 | 07 | | 994 | | WRG |
| SA | 2352 | 160 SCT | 20 | | | 100 | 72 | 24 | 22 | 12 | G20 | 994 | | WRG |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: NSWC, DESERT ROCK, NV

DATE: MAY 01 1986

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 52 | 26.565 | | | 22 | 3 | 3 | CS | 250 | | | | | | | | | | | | 1 | 1 | .010 | | | 00-01 |
| 01 52 | 26.555 | | | 25 | 4 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.560 | | | 28 | 3 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 53 | 26.570 | | | 29 | 0 | 0 | AC | 160 | | | | | | | | | | | | 0 | 3 | .005 | | | 03-04 |
| 04 53 | 26.580 | | | 30 | 3 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.590 | | | 29 | 2 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.600 | | | 20 | 1 | 0 | AC | 160 | 1 | CI | 250 | 1 | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 53 | 26.610 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.620 | | | 17 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.620 | | | 18 | 2 | 0 | AC | 160 | 2 | CI | 250 | 2 | | | | | | | | 3 | 1 | .020 | | | 09-10 |
| 10 53 | 26.600 | | | 16 | 10 | | | | | | | | | | | | | | | 9 | | | | | 10-11 |
| 11 54 | 26.580 | | | 13 | 9 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 53 | 26.560 | | | 11 | 2 | 1 | AC | 160 | 2 | CS | 200 | 2 | | | | | | | | 1 | 2 | .060 | | | 12-13 |
| 13 54 | 26.550 | | | 10 | 1 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 52 | 26.550 | | | 10 | 3 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 52 | 26.540 | | | 9 | 8 | 1 | AC | 160 | 8 | CS | E210 | 8 | | | | | | | | 7 | 2 | .010 | | | 15-16 |
| 16 52 | 26.540 | | | 11 | 10 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 52 | 26.540 | | | 10 | 10 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 52 | 26.550 | | | 13 | 10 | 6 | AC | E160 | 4 | CS | 230 | 10 | | | | | | | | 9 | 3 | .010 | | | 18-19 |
| 19 52 | 26.540 | | | 14 | 9 | | | | | | | | | | | | | | | 8 | | | | | 19-20 |
| 20 50 | 26.540 | | | 12 | 8 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 52 | 26.540 | | | 15 | 5 | 2 | AC | 160 | 3 | CS | 250 | 5 | | | | | | | | 3 | 6 | .010 | | | 21-22 |
| 22 52 | 26.540 | | | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 52 | 26.540 | | | 16 | 1 | | | | | | | | | | | | | | | 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 0948 | | 0 | 0 | | 65 | 57 | | | | | | | | | | |
| | 0948 | 1 | 0 | 0 | 0 | 71 | 57 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 76 | 53 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 85 | 76 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 83 | 72 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 74 | 69 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0951 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.620 | 26.590 | 26.590 |
| BARGRAPH 64 | 26.590 | 26.595 | 26.520 | 26.560 |
| BAR. CORR. 65 | +.020 | +.026 | +.020 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | 53 | 0 | 0 | 0 | 28 | SW | 1311 | | | | | 5 | 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 0451 SUNSET 1832

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: 0946P ⊕0 Sec./ 2353P ⊕0 Sec./ ± Sec.

0455/0455

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆ U.S.GPO:1983-0-764-008/6069

MF1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 02 1986

TO CONVERT LST TO GMT: ADD 4 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 | 0052 | 160 SCT | 20 | | | 100 | 69 | 25 | 24 | 11 | | 994 | 400 1070 | WRG |
| SA | 0152 | CLR | 20 | | | 100 | 67 | 28 | 24 | 08 | | 994 | FEW AC SE | WRG |
| SA | 0250 | CLR | 20 | | | 100 | 67 | 28 | 12 | 06 | | 994 | | WRG |
| SA | 0353 | 160 SCT | 20 | | | 110 | 60 | 28 | 08 | 05 | | 996 | 303 1020 59 RADAT 20125 | JC |
| SA | 0454 | CLR | 20 | | | 113 | 59 | 28 | 06 | 05 | | 996 | FEW AC AND CI | JC |
| SA | 0552 | CLR | 20 | | | 120 | 60 | 31 | 08 | 06 | | 998 | FEW AC AND CI | JC |
| SA | 0654 | CLR | 20 | | | 124 | 70 | 31 | 30 | 05 | | 000 | 314 1071 | JC |
| SA | 0752 | CLR | 20 | | | 123 | 74 | 30 | 28 | 05 | | 000 | FEW CI SE | JC |
| SA | 0850 | CLR | 20 | | | 117 | 77 | 28 | 20 | 04 | | 999 | | JC |
| SA | 0953 | 250 - SCT | 20 | | | 114 | 80 | 23 | 25 | 10 | | 998 | 802 1001 55 | JC |
| SA | 1055 | 250 - SCT | 20 | | | 108 | 83 | 21 | 22 | 15 | G21 | 997 | | JC |
| SA | 1156 | 250 - SCT | 20 | | | 103 | 85 | 20 | 21 | 14 | G23 | 996 | | JC |
| SA | 1254 | 250 - SCT | 20 | | | 105 | 86 | 20 | 21 | 16 | G27 | 996 | 607 1001 | JC |
| SA | 1352 | 250 - SCT | 20 | | | 101 | 85 | 19 | 19 | 10 | | 994 | | JC |
| SA | 1450 | 250 - SCT | 20 | | | 098 | 85 | 20 | 18 | 12 | G19 | 993 | | JC |
| SA | 1553 | 250 - SCT | 20 | | | 093 | 85 | 22 | 20 | 16 | G22 | 991 | 714 100186 RADAT 20130 | WRG |
| SA | 1652 | 250 - SCT | 20 | | | 095 | 84 | 26 | 19 | 10 | G20 | 991 | | WRG |
| SA | 1752 | CLR | 20 | | | 092 | 81 | 27 | 19 | 12 | G20 | 990 | FEW CI NW | WRG |
| SA | 1852 | CLR | 20 | | | 089 | 78 | 28 | 18 | 11 | | 990 | 603 1001 | WRG |
| SA | 1952 | CLR | 20 | | | 091 | 75 | 28 | 18 | 07 | | 991 | | WRG |
| SA | 2050 | CLR | 20 | | | 093 | 74 | 28 | 22 | 08 | | 992 | | WRG |
| SA | 2152 | CLR | 20 | | | 096 | 69 | 30 | 00 | 00 | | 992 | 107 86 | WRG |
| SA | 2252 | CLR | 20 | | | 101 | 64 | 31 | 08 | 03 | | 993 | | WRG |
| SA | 2352 | CLR | 20 | | | 102 | 67 | 32 | 17 | 06 | | 994 | | WRG |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆ U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 02 1986

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 52 | 26.540 | | | 19 | 2 | 2 | AC | 160 | | | | | | | | | | | | 2 | 4 | .000 | | | 00-01 |
| 01 52 | 26.540 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.540 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.550 | | | 29 | 1 | 1 | AC | 160 | | | | | | | | | | | | 1 | 3 | .010 | | | 03-04 |
| 04 54 | 26.550 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 52 | 26.570 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.590 | | | 24 | 0 | 0 | AC | 160 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 52 | 26.590 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.580 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.570 | | | 12 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .020 | | | 09-10 |
| 10 53 | 26.560 | | | 10 | 1 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.550 | | | 9 | 1 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.550 | | | 9 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .020 | | | 12-13 |
| 13 55 | 26.540 | | | 9 | 2 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.530 | | | 9 | 2 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.510 | | | 11 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 1 | 7 | .040 | | | 15-16 |
| 16 52 | 26.510 | | | 12 | 2 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 52 | 26.500 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.500 | | | 16 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .010 | | | 18-19 |
| 19 52 | 26.510 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.520 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.520 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 52 | 26.530 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.540 | | | 27 | 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 0348 | | 0 | 0 | | 72 | 59 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 74 | 59 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 81 | 55 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 86 | 60 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 85 | 69 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 69 | 64 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0951 | 1551 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.550 | 26.570 | 26.510 | 26.520 |
| BAROGRAPH 64 | 26.520 | 26.550 | 26.500 | 26.500 |
| BAR. CORR. 65 | +.030 | +.020 | +.010 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 55 | 0 | 0 | 0 | 30 | S | 1524 | | | | | 1 | 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 0449 SUNSET 1833

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: 0905P ⊕0Sec./ 2238 ⊕0Sec./ ± Sec.

098/1450/0330/1513/EA

SP=

RS=

MF 1-10A
(5-83)

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

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 03 1986

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 101 | 65 | 35 | 07 | 03 | | 994 | 107 | WRG |
| SA | 0152 | CLR | 20 | | | 097 | 64 | 36 | 29 | 04 | | 992 | | WRG |
| SA | 0250 | CLR | 20 | | | 091 | 67 | 35 | 19 | 09 | | 991 | | WRG |
| SA | 0353 | CLR | 20 | | | 098 | 65 | 33 | 18 | 09 | | 993 | 503 62 RAOAT 20139 | JC |
| SA | 0453 | CLR | 20 | | | 092 | 65 | 33 | 19 | 13 | | 991 | | JC |
| SA | 0554 | CLR | 20 | | | 094 | 70 | 31 | 19 | 15G21 | | 992 | | JC |
| SA | 0652 | CLR | 20 | | | 095 | 72 | 32 | 18 | 12G18 | | 992 | 503 | JC |
| SA | 0753 | CLR | 20 | | | 096 | 74 | 32 | 19 | 12G21 | | 992 | | JC |
| SA | 0854 | CLR | 20 | | | 095 | 75 | 31 | 21 | 15G25 | | 992 | | JC |
| SA | 0953 | CLR | 20 | | | 095 | 76 | 27 | 20 | 15G27 | | 992 | 400 62 | JC |
| SA | 1054 | CLR | 20 | | | 096 | 78 | 31 | 20 | 15G27 | | 991 | | JC |
| SA | 1153 | CLR | 20 | | | 083 | 79 | 28 | 20 | 14G21 | | 988 | FEW CU SCT CI NW | JC |
| SA | 1254 | CLR | 20 | | | 075 | 79 | 27 | 19 | 18G27 | | 986 | FEW CI NW / 820 | JC |
| | | | | | | | | | | | | | 1001 | |
| SA | 1353 | CLR | 20 | | | 064 | 80 | 29 | 21 | 23G33 | | 982 | FEW CU AND CI NW | JC |
| SA | 1450 | CLR | 20 | | | 050 | 80 | 30 | 20 | 18G29 | | 979 | FEW AC AND CIU NW | JC |
| SA | 1552 | CLR | 20 | | | 040 | 80 | 32 | 21 | 22G34 | | 975 | 730 1005 82 | |
| | | | | | | | | | | | | | RAOAT 596 113 121 132 | WRG |
| SA | 1652 | 250 -SCT | 20 | | | 037 | 78 | 34 | 21 | 20G28 | | 974 | TCU DSNT NW FEW CUS | WRG |
| SA | 1752 | 160 SCT 250 - BKN | 20 | | | 038 | 74 | 38 | 23 | 20G28 | | 974 | ACSL SE TCU DSNT NW | WRG |
| SA | 1852 | 160 SCT 250 SCT | 20 | | | 045 | 69 | 37 | 24 | 18G28 | | 976 | 302 1148 | WRG |
| SA | 1952 | CLR | 20 | | | 046 | 67 | 35 | 22 | 18G28 | | 976 | FEW AC SE | WRG |
| SA | 2050 | CLR | 20 | | | 045 | 66 | 31 | 22 | 20G30 | | 976 | | WRG |
| SA | 2152 | CLR | 20 | | | 036 | 64 | 31 | 22 | 22G34 | | 974 | 807 1040 82 | WRG |
| SA | 2252 | CLR | 20 | | | 044 | 62 | 35 | 22 | 26G32 | | 975 | | WRG |
| SA | 2352 | CLR | 20 | | | 045 | 59 | 35 | 22 | 20G31 | | 976 | | WRG |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 03 1986

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 52 | 26.540 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 00-01 |
| 01 52 | 26.520 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.510 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.530 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 03-04 |
| 04 53 | 26.510 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.520 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.520 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 06-07 |
| 07 53 | 26.520 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.520 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.520 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 09-10 |
| 10 54 | 26.510 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 55 | 26.480 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 54 | 26.460 | | | 15 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .060 | | | 12-13 |
| 13 53 | 26.430 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.400 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.370 | | | 16 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 7 | .090 | | | 15-16 |
| 16 52 | 26.360 | | | 20 | 2 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 52 | 26.360 | | | 28 | 6 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 52 | 26.375 | | | 31 | 2 | 0 | Cu | 80 | 1 | Ac | 160 | 1 | 1 | Cs | 250 | 2 | | | | 2 | 3 | .005 | | | 18-19 |
| 19 52 | 26.380 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.375 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.355 | | | 30 | 0 | 0 | Ac | 160 | | | | | | | | | | | | 0 | 8 | .020 | | | 21-22 |
| 22 52 | 26.370 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.375 | | | 40 | 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 0348 | | 0 | 0 | | 68 | 62 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 69 | 62 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 77 | 65 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 82 | 76 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 80 | 64 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 64 | 59 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0951 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26530 | 26520 | 26370 | 26355 |
| BAROGRAPH 64 | 26495 | 26520 | 26370 | 26355 |
| BAR. CORR. 65 | +035 | +0 | ±0.0 | ±0.0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMELTED (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 59 | 0 | 0 | 0 | 34* | SW | 2303 | | | | | 1 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 99. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0448 SUNSET 1833

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: 1056P Ø0 Sec./ 22480 Ø0 Sec./ ± Sec.

*Last of several occurrences

N52/652

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆ U.S.GPO:1983-0-764-006/6069

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 04 1986

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 (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 050 | 58 | 29 | 21 | 20 | G30 | 977 | 210 | WRG |
| SA | 0152 | CLR | 20 | | | 044 | 56 | 29 | 21 | 17 | G25 | 976 | | WRG |
| SA | 0250 | CLR | 20 | | | 051 | 53 | 30 | 19 | 22 | G32 | 976 | | WRG |
| SA | 0351 | CLR | 20 | | | 044 | 52 | 29 | 20 | 23 | G32 | 974 | 808 52 RADAT 20094 | MR |
| SA | 0455 | 40 SCT | 20 | | | 059 | 52 | 26 | 20 | 12 | | 979 | VIRGA NW AND N PRESRR | MR |
| SA | 0552 | 40 SCT | 20 | | | 067 | 53 | 25 | 24 | 13 | | 981 | WND SHFTG GRDLY | MR |
| SA | 0658 | 40 SCT 120 SCT | 20 | | | 085 | 56 | 25 | 27 | 13 | | 986 | WND SHFTD GRDLY/234 | MR |
| — | — | | | | | | | | | | | | ~~1407~~ 1470 | — |
| SA | 0758 | 60 SCT 120 SCT | 20 | | | 105 | 57 | 26 | 26 | 12 | | 991 | RESL S | MR |
| SA | 0854 | 50 SCT | 20 | | | 107 | 59 | 27 | 25 | 10 | | 992 | | MR |
| SA | 0952 | 50 SCT | 20 | | | 115 | 61 | 25 | 25 | 12 | | 994 | 127 1100 51 | MR |
| SA | 1050 | 60 SCT | 20 | | | 115 | 63 | 17 | 27 | 14 | | 994 | | MR |
| SA | 1150 | 70 SCT | 20 | | | 109 | 65 | 17 | 29 | 08 | | 992 | | MR |
| SA | 1253 | CLR | 20 | | | 108 | 67 | 8 | 30 | 15 | | 992 | 607 1400 | MR |
| SA | 1350 | CLR | 20 | | | 109 | 68 | 9 | 21 | 11 | | 992 | FEW SC | MR |
| SA | 1453 | CLR | 20 | | | 103 | 69 | 10 | 32 | 11 | | 990 | FEW SC | MR |
| SA | 1554 | CLR | 20 | | | 099 | 69 | 14 | 26 | 06 | | 989 | 810 69 RADAT 24093 | MR |
| SA | 1659 | CLR | 20 | | | 096 | 67 | 11 | 24 | 07 | | 988 | | MR |
| SA | 1753 | CLR | 20 | | | 093 | 66 | 12 | 22 | 08 | | 987 | | MR |
| SA | 1852 | CLR | 20 | | | 100 | 62 | 11 | 28 | 04 | | 989 | 500 1001 | MR |
| SA | 1955 | CLR | 20 | | | 111 | 55 | 11 | 06 | 02 | | 991 | | MR |
| SA | 2051 | CLR | 20 | | | 110 | 54 | 10 | 08 | 04 | | 991 | | MR |
| SA | 2155 | CLR | 20 | | | 115 | 51 | 10 | 08 | 03 | | 992 | 110 69 | MR |
| SA | 2251 | CLR | 20 | | | 110 | 51 | 10 | 27 | 04 | | 991 | | MR |
| SA | 2353 | CLR | 20 | | | 110 | 49 | 14 | 10 | 06 | | 991 | | MR |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 04 1986

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 52 | 26.385 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 00-01 |
| 01 52 | 26.370 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.380 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.360 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 8 | .025 | | | 03-04 |
| 04 55 | 26.400 | | | 36 | 4 | | | | | | | | | | | | | | | 4 | | | | | 04-05 |
| 05 52 | 26.420 | | | 34 | 1 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 58 | 26.460 | | | 30 | 2 | 1 | SC | 40 | 1 | AC | 120 | 2 | | | | | | | | 2 | 2 | .100 | | | 06-07 |
| 07 58 | 26.510 | | | 30 | 3 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 54 | 26.520 | | | 29 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 52 | 26.540 | | | 25 | 4 | 4 | CU | 50 | | | | | | | | | | | | 4 | 1 | .080 | | | 09-10 |
| 10 50 | 26.540 | | | 17 | 4 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 50 | 26.520 | | | 16 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 53 | 26.520 | | | 10 | 0 | 0 | SC | 70 | | | | | | | | | | | | 0 | 6 | .020 | | | 12-13 |
| 13 50 | 26.520 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 55 | 26.500 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 57 | 26.490 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 8 | .030 | | | 15-16 |
| 16 59 | 26.480 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 53 | 26.475 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.490 | | | 13 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 55 | 26.510 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.510 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 55 | 26.520 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 21-22 |
| 22 51 | 26.510 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.510 | | | 24 | 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 | 59 | 52 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 64 | 52 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 61 | 51 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 69 | 59 | | 0 | | | | | | | | |
| | 2151 | 4 | 0 | 0 | 0 | 69 | 51 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 53 | 47 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0952 | 1553 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSERVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.360 | 26.540 | 26.490 | 26.520 |
| BAROGRAPH 64 | 26.360 | 26.525 | 26.485 | 26.505 |
| BAR. CORR. 65 | 0 | +.015 | +.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 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 TOP 75 | FROZEN GROUND LAYER BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 47 | 0 | 0 | 0 | 34 | SW | 0004 | | | | | 2 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0447 SUNSET 1834

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 ± 0 Sec./ 1701P ± 0 Sec./ ± Sec.

0658P/0658P

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-764-000/6009

MF 1-10A (5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 05 1986

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 (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 106 | 50 | 15 | 04 | 02 | | 991 | 6005 | MR |
| SA | 0152 | CLR | 20 | | | 105 | 49 | 13 | 15 | 03 | | 990 | | MR |
| SA | 0256 | CLR | 20 | | | 108 | 49 | 15 | 06 | 05 | | 990 | | MR |
| SA | 0354 | CLR | 20 | | | 105 | 49 | 17 | 05 | 11 | | 990 | 602 47 RADAT 34088 | MR |
| SA | 0450 | CLR | 20 | | | 101 | 49 | 18 | 04 | 08 | | 989 | FEW CI | MR |
| SA | 0556 | 300 - BKN | 20 | | | 103 | 53 | 18 | 03 | 08 | | 990 | | MR |
| SA | 0653 | 300 - OVC | 20 | | | 105 | 55 | 19 | 04 | 08 | | 990 | 500 1007 | MR |
| SA | 0757 | 270 - OVC | 20 | | | 107 | 59 | 19 | 35 | 06 | | 990 | | MR |
| SA | 0853 | 270 - BKN | 20 | | | 097 | 63 | 18 | 30 | 04 | | 988 | | MR |
| SA | 0952 | 270 - BKN | 20 | | | 090 | 67 | 18 | 21 | 08 | | 986 | 814 1071 47 | MR |
| SA | 1050 | 270 - OVC | 20 | | | 084 | 67 | 20 | 24 | 05 | | 984 | ACSL SE | MR |
| SA | 1150 | 270 - BKN | 20 | | | 067 | 71 | 19 | 19 | 15 | G27 | 980 | | MR |
| SA | 1256 | 270 - BKN | 20 | | | 056 | 73 | 18 | 22 | 15 | G25 | 977 | 727 1071 | MR |
| SA | 1353 | 160 SCT E 250 OVC | 20 | | | 045 | 73 | 19 | 19 | 17 | G24 | 973 | BINOVC | MR |
| SA | 1457 | 160 SCT E 250 OVC | 20 | | | 033 | 75 | 18 | 21 | 20 | G26 | 970 | BINOVC | MR |
| SA | 1557 | 160 SCT E 250 OVC | 20 | | | 022 | 73 | 20 | 23 | 16 | G25 | 967 | 730 1051 75 RADAT 32102 | MR |
| SA | 1654 | E160 BKN 250 OVC | 20 | | | 015 | 70 | 21 | 19 | 16 | G24 | 965 | ACSL SW | MR |
| SA | 1755 | E150 BKN 250 OVC | 20 | | 999 | 999 | 69 | 22 | 19 | 17 | G25 | 960 | ACSL SW | MR |
| SA | 1856 | 140 SCT E170 BKN 250 OVC | 20 | | | 997 | 68 | 24 | 21 | 18 | G28 | 960 | 622 1051 | MR |
| SA | 1952 | 130 SCT E170 OVC | 20 | | | 992 | 65 | 26 | 22 | 23 | G32 | 959 | | MR |
| SA | 2054 | 130 SCT E170 OVC | 20 | | | 994 | 62 | 29 | 22 | 20 | G33 | 960 | PK WND 2235/0355 | MR |
| SA | 2155 | 130 SCT E170 OVC | 20 | | | 003 | 60 | 29 | 22 | 14 | G28 | 962 | 308 1071 75 | MR |
| SA | 2252 | 170 SCT | 20 | | | 993 | 58 | 30 | 23 | 27 | G37 | 959 | PK WND 2237/46 | MR |
| SA | 2356 | E 160 BKN | 20 | | | 996 | 56 | 28 | 21 | 21 | G30 | 960 | | MR |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 05 1986

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 | 26.505 | | | 24 | 0 | | | | | | | | | | | | | | | | | | | | 00-01 |
| 01 52 | 26.500 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | 6 | .015 | | | 01-02 |
| 02 56 | 26.500 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.500 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 03-04 |
| 04 50 | 26.490 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 6 | .005 | | | 04-05 |
| 05 56 | 26.500 | | | 25 | 9 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.500 | | | 24 | 10 | 10 | CS | 300 | | | | | | | | | | | | 2 | | | | | 06-07 |
| 07 57 | 26.500 | | | 21 | 10 | | | | | | | | | | | | | | | 4 | 5 | .000 | | | 07-08 |
| 08 53 | 26.480 | | | 17 | 9 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 52 | 26.460 | | | 13 | 9 | 0 | Ac | 180 | 9 | Ci | 270 | 9 | | | | | | | | 3 | | | | | 09-10 |
| 10 50 | 26.445 | | | 16 | 10 | | | | | | | | | | | | | | | 3 | 8 | .040 | | | 10-11 |
| 11 50 | 26.405 | | | 14 | 9 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 56 | 26.380 | | | 12 | 9 | 0 | Ac | 180 | 9 | Ci | 270 | 9 | | | | | | | | 3 | | | | | 12-13 |
| 13 53 | 26.350 | | | 13 | 10 | | | | | | | | | | | | | | | 3 | 7 | .080 | | | 13-14 |
| 14 57 | 26.320 | | | 12 | 10 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 57 | 26.290 | | | 13 | 10 | 4 | Ac | 160 | 6 | Ci | E250 | 10 | | | | | | | | 7 | | | | | 15-16 |
| 16 54 | 26.270 | | | 15 | 10 | | | | | | | | | | | | | | | 7 | 7 | .090 | | | 16-17 |
| 17 55 | 26.230 | | | 17 | 10 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 56 | 26.225 | | | 19 | 10 | 1 | Ac | 140 | 7 | Ac | E170 | 8 | 2 | Ci | 250 | 10 | | | | 8 | | | | | 18-19 |
| 19 52 | 26.215 | | | 23 | 10 | | | | | | | | | | | | | | | 9 | 6 | .065 | | | 19-20 |
| 20 54 | 26.225 | | | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 55 | 26.250 | | | 31 | 10 | 3 | Ac | 130 | 7 | Ac | E170 | 10 | | | | | | | | 10 | | | | | 21-22 |
| 22 52 | 26.220 | | | 34 | 4 | | | | | | | | | | | | | | | 10 | 3 | .025 | | | 22-23 |
| 23 56 | 26.230 | | | 34 | 6 | | | | | | | | | | | | | | | 4 | | | | | 23-24 |
| | | | | | | | | | | | | | | | | | | | | 6 | | | | | |

## 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 0350 | X | 0 | 0 | X | 53 | 48 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 53 | 47 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 67 | 48 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 75 | 65 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 73 | 60 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 60 | 56 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0952 | 1555 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.500 | 26.460 | 26.290 | 26.250 |
| BAROGRAPH 64 | 26.490 | 26.460 | 26.285 | 26.230 |
| BAR. CORR. 65 | +.010 | 0 | +.005 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 48 | 0 | 0 | 0 | 37 | SW | 2246 | | | | | 9 | 7 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 98. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0446 SUNSET 1835

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: 0611P ± 0 Sec./ 1711P ± 0 Sec./ ± Sec.

1755/1756

2054/2057

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-764-006/6069

MF1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 06 1986

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 INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 150 SCT | 20 | | | 995 | 55 | 30 | 20 | 16 | G24 | 960 | 507 1070 | MR |
| SA | 0151 | 150 SCT E250 BKN | 20 | | | 998 | 55 | 30 | 21 | 14 | G18 | 961 | | MR |
| SA | 0251 | 150 SCT 250-BKN | 20 | | | 003 | 53 | 30 | 31 | 04 | | 962 | | MR |
| SA | 0355 | 60 SCT 150 SCT 250-BKN | 20 | | | 005 | 51 | 31 | 22 | 06 | | 962 | 107 1471 51 RADAT 67079 | MR |
| SA | 0455 | E60 OVC | 20 | | | 010 | 53 | 31 | 21 | 03 | | 963 | BINOVC | MR |
| RS | 0557 | E60 OVC | 20 | | | 020 | 53 | 32 | 29 | 10 | | 966 | WSHFT 53 FROPA | MR |
| SA | 0651 | E60 OVC | 20 | | | 026 | 53 | 32 | 01 | 10 | | 968 | BINOVC SW RWU NW-N | MR |
| | | | | | | | | | | | | | 217 15// | |
| SA | 0751 | 25 SCT M55 OVC | 10 | | RW- | [illegible] | [illegible] | [illegible] | 02 | [illegible] | | [illegible] | RB01 VIS [illegible] NW AND NE | MR |
| SA | 0850 | 30 SCT E45 OVC | 15 | | RW- | 050 | 47 | 41 | 02 | 16 | | 973 | | MR |
| SP | 0935 | M25 BKN 45 OVC | 10 | | R- | | | | 02 | 16 | | 974 | | MR |
| SA | 0953 | M27 BKN 45 OVC | 20 | | R- | 057 | 46 | 40 | 02 | 13 | | 974 | 22003 15// 46 | MR |
| SA | 1051 | 12 SCT E27 BKN 40 OVC | 20 | | | 059 | 46 | 38 | 03 | 15 | G21 | 974 | RE04 OCNL SPRINKLE | MR |
| SP | 1124 | 12 SCT 27 SCT M45 OVC | 20 | | | | | | 03 | 16 | G22 | 974 | | MR |
| SA | 1150 | 12 SCT 35 SCT M45 OVC | 20 | | | 064 | 45 | 38 | 05 | 13 | | 976 | | MR |
| SA | 1250 | 12 SCT 22 SCT M45 OVC | 20 | | RW- | 065 | 45 | 40 | 04 | 13 | | 976 | RB A54 / 10302 15// | MR |
| SA | 1355 | 12 SCT 22 SCT M45 BKN 250 OVC | 20 | | RW- | 054 | 45 | 42 | 09 | 12 | | 972 | | MR |
| SA | 1453 | 12 SCT 30 SCT E250 OVC | 20 | | | 041 | 48 | 40 | 12 | 16 | G22 | 969 | CB NW AND NE RE07 | MR |
| SA | 1556 | 21 SCT M43 OVC | 20 | | RW- | 052 | 47 | 36 | 34 | 14 | G21 | 972 | RB47 51205 15// 53 | MR |
| | | | | | | | | | | | | | RADAT 66072 | |
| SA | 1656 | 21 SCT M45 OVC | 20 | | RW- | 049 | 47 | 38 | 19 | 08 | | 971 | | MR |
| SA | 1753 | 25 SCT M45 OVC | 20 | | | 036 | 50 | 27 | 10 | 11 | G19 | 968 | RE21 VIRGA ALQDS | MR |
| SA | 1857 | E50 OVC | 20 | | | 052 | 48 | 32 | 08 | 06 | | 972 | VIRGA S-SW 30200 | MR |
| | | | | | | | | | | | | | 15// | |
| SA | 1953 | 17 SCT M38 OVC | 20 | | RW- | 066 | 45 | 35 | 32 | 03 | | 975 | RB32 | MR |
| SP | 2023 | 17 SCT M25 OVC | 7 | | R- | | | | 01 | 07 | | 976 | | MR |
| SP | 2041 | 21 SCT M60 OVC | 10 | | R- | | | | 08 | 06 | | 974 | | MR |
| SA | 2054 | 22 SCT M55 OVC | 15 | | | 067 | 43 | 39 | 10 | 04 | | 974 | RE47 | MR |
| SA | 2156 | 25 SCT E60 OVC | 15 | | | 066 | 43 | 40 | 12 | 05 | | 974 | 00705 15// 60 | MR |
| SP | 2242 | M21 BKN 55 OVC | 5 | | RW | | | | 02 | 18 | | 978 | RB39 | MR |
| SA | 2356 | M22 OVC | 5 | | RW | 078 | 40 | 38 | 06 | 13 | | 977 | RB39 | MR |
| SP | 2311 | 22 SCT M45 OVC | 10 | | RW- | | | | 09 | 09 | | 977 | | MR |
| SA | 2357 | M55 OVC | 10 | | | 079 | 42 | 39 | 05 | 02 | | 978 | RE31 | MR |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-62) WHICH MAY BE USED.

U.S.GPO:1984-0-764-006/6065

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: YUCCA, DESERT ROCK, NV

DATE: MAY 06 1986

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 | 26.230 | | | 37 | 3 | 3 | AC | 150 | | | | | | | | | | | | 3 | 5 | .020 | | | 00-01 |
| 01 51 | 26.235 | | | 38 | 8 | | | | | | | | | | | | | | | 5 | | | | | 01-02 |
| 02 51 | 26.250 | | | 41 | 9 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 55 | 26.250 | | | 46 | 7 | 2 | SC | 60 | 1 | AC | 150 | 3 | 4 | CI | 250 | 7 | | | | 3 | 1 | .020 | | | 03-04 |
| 04 53 | 26.260 | | | 43 | 10 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 57 | 26.285 | | | 45 | 10 | | | | | | | | | | | | | | | 9 | | | | | 05-06 |
| 06 51 | 26.300 | | | 45 | 10 | 10 | SC | E60 | | | | | | | | | | | | 9 | 2 | .050 | | | 06-07 |
| 07 57 | 26.325 | | | 76 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 50 | 26.345 | | | 80 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 53 | 26.360 | | | 80 | 10 | 7 | SC | M27 | 10 | SC | 45 | 10 | | | | | | | | 10 | 2 | .060 | | | 09-10 |
| 10 51 | 26.360 | | | 74 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 50 | 26.370 | | | 76 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 50 | 26.370 | | | 83 | 10 | 3 | CUFRA | 12 | 2 | CUFRA | 22 | 5 | 5 | SC | M45 | 10 | | | | 9 | 1 | .010 | | | 12-13 |
| 13 55 | 26.340 | | | 89 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 53 | 26.310 | | | 74 | 10 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 56 | 26.335 | | | 66 | 10 | 4 | CUFRA | 21 | 10 | SC | M43 | 10 | | | | | | | | 10 | 5 | .035 | | | 15-16 |
| 16 56 | 26.330 | | | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 53 | 26.300 | | | 41 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 57 | 26.340 | | | 54 | 10 | 10 | SC | E50 | | | | | | | | | | | | 10 | 3 | .005 | | | 18-19 |
| 19 53 | 26.365 | | | 68 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 54 | 26.360 | | | 78 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 56 | 26.360 | | | 87 | 10 | 4 | CUFRA | 25 | 10 | SC | E60 | 10 | | | | | | | | 10 | 0 | .020 | | | 21-22 |
| 22 56 | 26.385 | | | 91 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 57 | 26.390 | | | 88 | 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 0350 | X | 0 | 0 | X | 56 | 51 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 60 | 51 | | 0 | | | | | | | | |
| | 0949 | 2 | .03 | 0 | 0 | 53 | 46 | | 2 | | | | | | | | |
| | 1549 | 3 | .05 | 0 | 0 | 49 | 42 | | 2 | | | | | | | | |
| | 2149 | 4 | .05 | 0 | 0 | 50 | 43 | | 2 | | | | | | | | |
| | MID | X | .03 | 0 | 0 | 4[illegible] | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0953 | 1555 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSERVED BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.250 | 26.360 | 26.335 | 26.360 |
| BAROGRAPH 64 | 26.235 | 26.350 | 26.330 | 26.345 |
| BAR. CORR. 65 | [illegible] | [illegible] | [illegible] | [illegible] |

## 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 (Knots) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 40 | .16 | 0 | 0 | 27 | SW | 0023 | | | | | 10 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0701 | 0905 | | | |
| R- | 0905 | 1004 | | | |
| RW- | 1154 | 1309 | | | |
| RW- | 1320 | 1407 | | | |
| RW- | 1547 | 1721 | | | |
| RW- | 1932 | 2023 | | | |
| R- | 2023 | 2047 | | | |
| RW | 2239 | 2309 | | | |
| RW- | 2309 | 2331 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0445 SUNSET 1836

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: 0538P ±1 Sec./ 1658P ± 0 Sec./ ± Sec.

2256/2310

SP=

RS=

MF1-10A (5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NEVADA

DATE: MAY 07 1986

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 (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | E70 OVC | 20 | | | 072 | 42 | 41 | 33 | 04 | | 978 | 11003 15// | MR |
| SA | 0154 | E70 OVC | ~~20~~ 7 | | | 079 | 42 | 42 | 06 | 03 | | 978 | | MR |
| SA | 0257 | E90 BKN 250 OVC | 10 | | | 082 | 41 | 41 | 10 | 02 | | 979 | | MR |
| SA | 0349 | 90 SCT E250 BKN | 10 | | | 090 | 41 | 40 | 04 | 03 | | 981 | 31003 1022 40 20076 RADAT 49070 | AD |
| SA | 0449 | 90 SCT 250 SCT | 10 | | | 100 | 39 | 36 | 00 | 00 | | 983 | | AD |
| SA | 0549 | 250 - SCT | 20 | | | 105 | 41 | 37 | 04 | 05 | | 985 | | AD |
| SA | 0649 | 250 - SCT | 20 | | | 106 | 48 | 34 | 33 | 05 | | 986 | 217 1001 | AD |
| SA | 0749 | 250 - SCT | 20 | | | 113 | 51 | 28 | 33 | 08 | | 988 | | AD |
| SA | 0849 | 60 SCT 250 SCT | 20 | | | 116 | 54 | 25 | 33 | 09 | | 990 | | AD |
| SA | 0949 | 60 SCT 250 SCT | 20 | | | 114 | 56 | 25 | 30 | 08 | | 990 | 110 1102 37 | AD |
| SA | 1049 | 60 SCT 250 SCT | 20 | | | 108 | 57 | 23 | 05 | 07 | | 987 | | AD |
| SA | 1149 | 60 SCT | 20 | | | 098 | 60 | 21 | 02 | 09 | | 985 | | AD |
| SA | 1249 | 60 SCT | 20 | | | 097 | 62 | 20 | 02 | 04 | | 985 | 614 1100 | AD |
| SA | 1349 | 60 SCT | 20 | | | 090 | 65 | 19 | 31 | 13 | | 984 | | AD |
| SA | 1449 | 60 SCT | 20 | | | 090 | 66 | 18 | 25 | 10 | | 984 | | AD |
| SA | 1558 | 60 SCT 250 SCT | 20 | | | 081 | 67 | 16 | 29 | 13 | G21 | 982 | 812 1201 67 | DC |
| | | | | | | | | | | | | | RADAT 33086 | |
| SA | 1655 | 60 SCT | 20 | | | 085 | 66 | 16 | 27 | 10 | | 982 | | DC |
| SA | 1756 | E60 BKN | 20 | | | 084 | 63 | 19 | 30 | 10 | | 982 | VIRGA NE | DC |
| SA | 1855 | E60 BKN 120 BKN | 20 | | | 085 | 62 | 21 | 29 | 11 | | 983 | VIRGA N-E-S | DC |
| | | | | | | | | | | | | | ACSL W/205 1240 | |
| SA | 1957 | 60 SCT | 20 | | | 090 | 60 | 24 | 30 | 10 | | 985 | | DC |
| SA | 2055 | 60 SCT | 20 | | | 101 | 55 | 29 | 36 | 07 | | 988 | | DC |
| SA | 2155 | CLR | 20 | | | 103 | 57 | 26 | 01 | 07 | | 989 | 217 1400 67 | DC |
| SA | 2254 | CLR | 20 | | | 110 | 52 | 28 | 20 | 04 | | 990 | SC SE | DC |
| SA | 2358 | CLR | 20 | | | 106 | 53 | 28 | 35 | 05 | | 990 | FEW SC | DC |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 07 1986

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 53 | 26.390 | | | 96 | 10 | 10 | SC | E70 | | | | | | | | | | | | 10 | 1 | .030 | | | 00-01 |
| 01 54 | 26.390 | | | 98 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 57 | 26.400 | | | 100 | 10 | | | | | | | | | | | | | | | 7 | | | | | 02-03 |
| 03 49 | 26.420 | | | 96 | 9 | 4 | AS | 90 | 5 | CI | E250 | 9 | | | | | | | | 8 | 3 | .030 | | | 03-04 |
| 04 49 | 26.440 | | | 89 | 4 | | | | | | | | | | | | | | | 4 | | | | | 04-05 |
| 05 49 | 26.460 | | | 86 | 4 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 49 | 26.470 | | | 58 | 3 | 3 | CI | 250 | | | | | | | | | | | | 1 | 2 | .050 | | | 06-07 |
| 07 49 | 26.490 | | | 41 | 2 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.500 | | | 32 | 3 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 49 | 26.500 | | | 30 | 3 | 2 | CU | 60 | 1 | CI | 250 | 3 | | | | | | | | 3 | 1 | .030 | | | 09-10 |
| 10 49 | 26.480 | | | 27 | 3 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 49 | 26.460 | | | 22 | 4 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 49 | 26.460 | | | 20 | 5 | 5 | CU | 60 | | | | | | | | | | | | 5 | 6 | .040 | | | 12-13 |
| 13 49 | 26.450 | | | 17 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 49 | 26.450 | | | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 58 | 26.425 | | | 14 | 1 | 1 | CU | 60 | 0 | CI | 250 | 1 | | | | | | | | 1 | 8 | .035 | | | 15-16 |
| 16 55 | 26.430 | | | 14 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 56 | 26.425 | | | 18 | 6 | | | | | | | | | | | | | | | 6 | | | | | 17-18 |
| 18 55 | 26.440 | | | 20 | 8 | 8 | CU | E60 | 0 | ACSL | 120 | 8 | | | | | | | | 8 | 2 | .015 | | | 18-19 |
| 19 57 | 26.455 | | | 25 | 4 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 55 | 26.480 | | | 37 | 2 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 55 | 26.490 | | | 30 | 0 | 0 | SC | 60 | | | | | | | | | | | | 0 | 2 | .050 | | | 21-22 |
| 22 54 | 26.500 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 58 | 26.500 | | | 38 | 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 0345 | | 0 | 0 | | 42 | 40 | | | | | | | | | | |
| | 0345 | 1 | .03 | 0 | 0 | 45 | 40 | | 2 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 56 | 37 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 67 | 55 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 67 | 55 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 57 | 51 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1555 | 2152 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.420 | 26.500 | 26.425 | 26.490 |
| BAROGRAPH 64 | 26.390 | 26.500 | 26.430 | 26.490 |
| BAR. CORR. 65 | +.030 | +.00 | -.005 | ±.000 |

## 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 | 4 AM 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 MID-NIGHT TO MID-NIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | 37 | 0 | 0 | 0 | 27 | W | 1608 | | | | | 3 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 86 | ENDED 87 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0444 SUNSET 1837

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: 0500 ±0 Sec./ 2000 ±0 Sec./ ± Sec.

0154/0153

*CHANGED MICROBARGRAPH 0955

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-764-006/6069

MF 1-10A
(5-83)

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

STATION WSMO, DESERT ROCK NEVADA

DATE MAY 08 1986

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0057 | 70 SCT | 20 | | | 106 | 50 | 30 | 04 | 04 | | 990 | 103 1070 | DC |
| SA | 0155 | CLR | 20 | | | 101 | 52 | 31 | 06 | 05 | | 989 | AC SE | DC |
| SA | 0255 | CLR | 20 | | | 104 | 50 | 32 | 04 | 04 | | 989 | | DC |
| SA | 0349 | CLR | 20 | | | 104 | 49 | 32 | 02 | 07 | | 989 | 602 49 RADAT 38088 | AO |
| SA | 0449 | CLR | 20 | | | 111 | 47 | 33 | 04 | 10 | | 991 | | AO |
| SA | 0549 | CLR | 20 | | | 119 | 49 | 31 | 30 | 04 | | 993 | | AO |
| SA | 0649 | CLR | 20 | | | 116 | 55 | 32 | 23 | 06 | | 993 | 112 | AO |
| SA | 0749 | CLR | 20 | | | 121 | 59 | 29 | 29 | 04 | | 995 | | AO |
| SA | 0849 | 60 SCT | 20 | | | 117 | 61 | 25 | 18 | 04 | | 993 | | AO |
| SA | 0949 | 60 SCT | 20 | | | 107 | 63 | 25 | 17 | 07 | | 991 | 807 1500 46 | AO |
| SA | 1049 | 60 SCT | 20 | | | 105 | 66 | 25 | 29 | 04 | | 990 | | AO |
| SA | 1149 | E60 BKN | 20 | | | 091 | 67 | 22 | 25 | 08 | | 986 | | AO |
| SA | 1249 | E60 BKN | 20 | | | 091 | 69 | 23 | 32 | 13 | | 986 | 614 1500 | AO |
| SA | 1349 | E60 BKN | 20 | | | 083 | 70 | 22 | 30 | 10 | | 984 | | AO |
| SA | 1449 | E60 BKN | 20 | | | 084 | 71 | 20 | 29 | 11 | | 984 | VIRGA ALQDS | AO |
| SA | 1558 | 60 SCT E250 BKN | 20 | | | 085 | 69 | 19 | 33 | 11 | | 984 | VIRGA ALQDS/ 607 | DC |
| | | | | | | | | | | | | | 1202 72 RADAT | |
| | | | | | | | | | | | | | 37095 | |
| SA | 1654 | 60 SCT 250 SCT | 20 | | | 086 | 69 | 19 | 31 | 10 | | 984 | VIRGA ALQDS | DC |
| SA | 1752 | 60 SCT | 20 | | | 089 | 67 | 20 | 02 | 11 | | 985 | VIRGA ALQDS | DC |
| SA | 1850 | CLR | 20 | | | 089 | 64 | 24 | 03 | 12 | | 986 | 305 1400 | DC |
| SA | 1954 | CLR | 20 | | | 099 | 62 | 25 | 03 | 13 | | 989 | | DC |
| SA | 2054 | CLR | 20 | | | 105 | 59 | 26 | 04 | 10 | | 991 | | DC |
| SA | 2157 | CLR | 20 | | | 110 | 57 | 27 | 04 | 06 | | 992 | 119 72 | DC |
| SA | 2250 | CLR | 20 | | | 113 | 57 | 28 | 05 | 10 | | 993 | | DC |
| SA | 2358 | CLR | 20 | | | 115 | 54 | 28 | 03 | 05 | | 994 | | DC |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

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

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 08 1986

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 57 | 26.500 | | | 46 | 1 | 1 | AC | 70 | | | | | | | | | | | | 1 | 1 | .010 | | | 00-01 |
| 01 55 | 26.495 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 55 | 26.495 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.495 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | 6 | .005 | | | 03-04 |
| 04 49 | 26.510 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.530 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.530 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | 1 | .035 | | | 06-07 |
| 07 49 | 26.550 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.530 | | | 22 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 49 | 26.510 | | | 23 | 2 | 2 | SC | 60 | | | | | | | | | | | | 2 | 8 | .020 | | | 09-10 |
| 10 49 | 26.500 | | | 21 | 5 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 49 | 26.470 | | | 18 | 6 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 49 | 26.470 | | | 17 | 6 | 6 | SC | E60 | | | | | | | | | | | | 6 | 6 | .040 | | | 12-13 |
| 13 49 | 26.450 | | | 16 | 6 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 49 | 26.450 | | | 14 | 7 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 58 | 26.450 | | | 15 | 9 | 3 | CU | 60 | 6 | CI | E250 | 9 | | | | | | | | 5 | 6 | .020 | | | 15-16 |
| 16 54 | 26.450 | | | 15 | 4 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 52 | 26.455 | | | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 50 | 26.465 | | | 22 | 0 | 0 | SC | 60 | | | | | | | | | | | | 0 | 3 | .015 | | | 18-19 |
| 19 54 | 26.490 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 54 | 26.505 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 57 | 26.520 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | 1 | .055 | | | 21-22 |
| 22 50 | 26.530 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 58 | 26.535 | | | 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 0345 | X | 0 | 0 | X | 53 | 49 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 57 | 49 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 63 | 46 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 72 | 63 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 70 | 57 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 57 | 54 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1554 | 2153 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.495 | 26.510 | 26.450 | 26.520 |
| BAROGRAPH 64 | 26.495 | 26.515 | 26.450 | 26.520 |
| BAR. CORR. 65 | +/0 | -.005 | ±0 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 4 AM SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 46 | 0 | 0 | 0 | 30 | NW | 1500 | | | | | 4 | 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 0443 SUNSET 1838

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: 0500 ±0 Sec./ 2100 ±0 Sec./ ± Sec.

SP=

RS=

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 09 1986

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 (16) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 110 | 52 | 28 | 00 | 00 | | 992 | 000 | DC |
| SA | 0154 | CLR | 20 | | | 111 | 48 | 28 | 29 | 04 | | 992 | | DC |
| SA | 0250 | CLR | 20 | | | 110 | 49 | 29 | 32 | 03 | | 992 | | DC |
| SA | 0349 | CLR | 20 | | | 114 | 46 | 30 | 34 | 06 | | 992 | 400 46 RADAT 39087 | AD |
| SA | 0449 | CLR | 20 | | | 122 | 45 | 29 | 35 | 07 | | 994 | | AD |
| SA | 0549 | CLR | 20 | | | 127 | 52 | 32 | 00 | 00 | | 996 | | AD |
| SA | 0649 | CLR | 20 | | | 126 | 57 | 31 | 05 | 04 | | 996 | 114 | AD |
| SA | 0749 | CLR | 20 | | | 125 | 61 | 26 | 03 | 09 | | 996 | | AD |
| SA | 0849 | CLR | 20 | | | 126 | 63 | 24 | 04 | 14 | | 996 | | AD |
| SA | 0949 | CLR | 20 | | | 126 | 65 | 24 | 01 | 08 | | 996 | 400 44 | AD |
| SA | 1049 | CLR | 20 | | | 122 | 68 | 23 | 06 | 09 | | 996 | | AD |
| SA | 1149 | CLR | 20 | | | 118 | 69 | 22 | 02 | 05 | | 994 | | AD |
| SA | 1249 | CLR | 20 | | | 110 | 71 | 22 | 05 | 05 | | 992 | 814 | AD |
| SA | 1349 | 250-SCT | 20 | | | 104 | 72 | 21 | 18 | 10 | | 990 | | AD |
| SA | 1449 | 250-SCT | 20 | | | 090 | 74 | 19 | 19 | 10 | | 986 | | AD |
| SA | 1558 | 250 SCT | 20 | | | 083 | 73 | 17 | 19 | 06 | | 984 | 724 1002 74 | DC |
| | | | | | | | | | | | | | RADAT 38102 | |
| SA | 1655 | 250-SCT | 20 | | | 080 | 74 | 16 | 21 | 10 | | 983 | | DC |
| SA | 1755 | 250-SCT | 20 | | | 080 | 72 | 12 | 26 | 09 | | 984 | | DC |
| SA | 1858 | 250-SCT | 20 | | | 076 | 68 | 13 | 25 | 04 | | 983 | 703 1001 | DC |
| SA | 1954 | CLR | 20 | | | 080 | 66 | 14 | 13 | 04 | | 984 | | DC |
| SA | 2054 | CLR | 20 | | | 080 | 62 | 14 | 03 | 03 | | 984 | | DC |
| SA | 2155 | CLR | 20 | | | 079 | 61 | 15 | 06 | 04 | | 984 | 002 75 | DC |
| SA | 2257 | CLR | 20 | | | 080 | 56 | 19 | 03 | 04 | | 984 | | DC |
| SA | 2358 | CLR | 20 | | | 070 | 61 | 18 | 13 | 06 | | 982 | | DC |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIii $i_R i_x hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆ U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 09 1986

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 | 26.520 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 01 54 | 26.520 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.520 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.520 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 49 | 26.540 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.560 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.560 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 06-07 |
| 07 49 | 26.560 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.560 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.560 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 09-10 |
| 10 49 | 26.560 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.540 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.520 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 12-13 |
| 13 49 | 26.500 | | | 14 | 1 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 49 | 26.470 | | | 12 | 5 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 58 | 26.450 | | | 12 | 1 | 1 | CI | 250 | | | | | | | | | | | | 1 | 7 | .070 | | | 15-16 |
| 16 55 | 26.440 | | | 11 | 1 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.445 | | | 10 | 1 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 58 | 26.440 | | | 12 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 7 | .010 | | | 18-19 |
| 19 54 | 26.450 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 54 | 26.450 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 55 | 26.445 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 0 | .005 | | | 21-22 |
| 22 57 | 26.445 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 58 | 26.425 | | | 19 | 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 | 55 | 46 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 57 | 46 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 65 | 44 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 74 | 64 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 75 | 57 | | 0 | | | | | | | | |
| | MID | X | 0 | 0 | 0 | 63 | 55 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1554 | 2153 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.560 | 26.450 | 26.445 |
| BAROGRAPH 64 | 26.525 | 26.565 | 26.455 | 26.445 |
| BAR. CORR. 65 | -.005 | -.005 | -.005 | 0.0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 4AM 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 44 | 0 | 0 | 0 | 19 | S | 1419 | | | | | 1 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 86 | ENDED 87 |
|---|---|---|---|---|---|
| | | | | | |

## REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0442 SUNSET 1839

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: 0500 ±0 Sec./ 1400 ±1 Sec./ 2000 ±0 Sec.

SP=

RS=

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: MAY 10 1986

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) | OP. SERVICES INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0056 | CLR | 20 | | | 060 | 64 | 21 | 16 | 07 | | 980 | 814 | DC |
| SA | 0154 | CLR | 20 | | | 050 | 62 | 21 | 19 | 06 | | 977 | | DC |
| SA | 0258 | CLR | 20 | | | 040 | 63 | 26 | 23 | 07 | | 974 | | DC |
| SA | 0349 | CLR | 20 | | | 040 | 64 | 24 | 19 | 16 | | 974 | 615 55 RADAT 17121 | AD |
| SA | 0449 | 150 SCT 220 - SCT | 20 | | | 049 | 64 | 26 | 20 | 13 | | 976 | | AD |
| SA | 0549 | 150 SCT E 220 BKN | 20 | | | 056 | 66 | 30 | 19 | 16 | G31 | 979 | ACSL SE | AD |
| SA | 0649 | 150 SCT E 220 BKN | 20 | | | 057 | 66 | 30 | 19 | 15 | G28 | 979 | 114 1048 ACSL S-SE/ | AD |
| SA | 0749 | 150 SCT E 220 BKN | 20 | | | 058 | 67 | 31 | 20 | 16 | G22 | 979 | ACSL S | AD |
| SA | 0849 | 150 SCT 220 - SCT | 20 | | | 058 | 71 | 32 | 20 | 22 | G31 | 979 | ACSL S | AD |
| SA | 0949 | 150 SCT 220 - SCT | 20 | | | 070 | 73 | 32 | 20 | 19 | G29 | 982 | ACSL SE-S / 310 1048 55 | AD |
| SA | 1049 | 150 SCT | 20 | | | 062 | 75 | 32 | 21 | 23 | G32 | 980 | ACSL SE | AD |
| SA | 1149 | 150 SCT | 20 | | | 052 | 77 | 30 | 20 | 22 | G30 | 978 | ACSL SE | AD |
| SA | 1249 | CLR | 20 | | | 041 | 79 | 27 | 23 | 22 | G33 | 975 | FEW ACSL SE / 720 1040 | AD |
| SA | 1349 | CLR | 20 | | | 030 | 80 | 23 | 23 | 21 | G30 | 972 | | AD |
| SA | 1449 | CLR | 20 | | | 026 | 80 | 24 | 21 | 23 | G35 | 971 | | AD |
| SA | 1558 | CLR | 20 | | | 010 | 79 | 23 | 20 | 27 | G33 | 967 | 727 1100 81 | DC |
| | | | | | | | | | | | | | RADAT 39115 | |
| SA | 1653 | CLR | 20 | | | 009 | 78 | 24 | 22 | 22 | G29 | 966 | FEW CU | DC |
| SA | 1750 | CLR | 20 | | | 011 | 76 | 22 | 22 | 22 | G28 | 967 | FEW SC ACSL E | DC |
| SA | 1855 | CLR | 20 | | | 020 | 73 | 23 | 21 | 19 | G24 | 969 | FEW ACSL / 307 1040 | DC |
| SA | 1956 | CLR | 20 | | | 029 | 69 | 24 | 22 | 16 | | 971 | | DC |
| SA | 2057 | CLR | 20 | | | 038 | 68 | 26 | 22 | 12 | | 974 | | DC |
| SA | 2157 | CLR | 20 | | | 040 | 66 | 31 | 17 | 10 | G18 | 974 | 117 81 | DC |
| SA | 2250 | CLR | 20 | | | 045 | 65 | 33 | 21 | 13 | | 976 | | DC |
| SA | 2356 | CLR | 20 | | | 044 | 64 | 34 | 21 | 16 | G25 | 976 | | DC |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$W_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 10 1986

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 56 | 26.405 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 00-01 |
| 01 54 | 26.380 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 58 | 26.360 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.360 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | 6 | .045 | | | 03-04 |
| 04 49 | 26.380 | | | 24 | 4 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 49 | 26.400 | | | 26 | 7 | | | | | | | | | | | | | | | 4 | | | | | 05-06 |
| 06 49 | 26.400 | | | 26 | 7 | 2 | ACSL | 150 | 5 | CS | 220 | 7 | | | | | | | | 5 | 1 | .040 | | | 06-07 |
| 07 49 | 26.400 | | | 26 | 7 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 49 | 26.460 | | | 24 | 5 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 49 | 26.430 | | | 22 | 5 | 2 | ACSC | 150 | 3 | CS | 220 | 5 | | | | | | | | 2 | 3 | .030 | | | 09-10 |
| 10 49 | 26.410 | | | 21 | 3 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 49 | 26.390 | | | 18 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 49 | 26.370 | | | 15 | 0 | 0 | ACSL | 150 | | | | | | | | | | | | 0 | 7 | .060 | | | 12-13 |
| 13 49 | 26.340 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 49 | 26.330 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 58 | 26.290 | | | 13 | 0 | 0 | CU | 70 | | | | | | | | | | | | 0 | 7 | .080 | | | 15-16 |
| 16 53 | 26.280 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.290 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 55 | 26.310 | | | 15 | 0 | 0 | ACSC | 140 | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 56 | 26.330 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 57 | 26.355 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 57 | 26.360 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 21-22 |
| 22 50 | 26.375 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 56 | 26.370 | | | 33 | 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 | 65 | 60 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 65 | 55 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 73 | 64 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 81 | 72 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 79 | 66 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 66 | 64 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1554 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.360 | 26.430 | 26.290 | 26.360 |
| BAROGRAPH 64 | 26.370 | 26.420 | 26.295 | 26.365 |
| BAR. CORR. 65 | -.010 | +.010 | -.005 | -.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 | 4AM 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 81 | 60 | 0 | 0 | 0 | 35 | SW | 1723* | | | | | 3 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0441 SUNSET 1839

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: 0600 ±1 Sec./2000 ±0 Sec./ ± Sec.

SA 1249 ADDED CLD CODE GROUP AT 2015 P

* LAST OF SEVERAL OCCURRENCES

SP=

RS=



☆ U.S.GPO:1983-0-784-006/6069

MF 1-10A (5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: **MAY 11 1986**

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 | 0054 | CLR | 20 | | | 046 | 63 | 32 | 20 | 11 | | 977 | 207 | DC |
| SA | 0150 | CLR | 20 | | | 050 | 62 | 31 | 24 | 07 | | 978 | | DC |
| SA | 0250 | CLR | 20 | | | 055 | 61 | 32 | 23 | 04 | | 979 | | DC |
| SA | 0354 | CLR | 20 | | | 061 | 56 | 31 | 22 | 04 | | 980 | 210 56 RADAT 33107 | HS |
| SA | 0452 | CLR | 20 | | | 072 | 51 | 33 | 03 | 06 | | 982 | | HS |
| SA | 0552 | CLR | 20 | | | 077 | 58 | 36 | 05 | 05 | | 984 | | HS |
| SA | 0653 | CLR | 20 | | | 083 | 62 | 35 | 24 | 06 | | 986 | 219 1001 | HS |
| SA | 0753 | CLR | 20 | | | 085 | 66 | 35 | 25 | 14 | | 987 | | HS |
| SA | 0852 | CLR | 20 | | | 086 | 68 | 34 | 24 | 13 | | 988 | | HS |
| SA | 0953 | CLR | 20 | | | 087 | 70 | 33 | 24 | 14 | | 988 | 105 1001 51 | HS |
| SA | 1053 | CLR | 20 | | | 083 | 71 | 30 | 24 | 13 | G18 | 987 | CU NW | HS |
| SA | 1153 | CLR | 20 | | | 078 | 75 | 27 | 22 | 11 | | 986 | 7 | HS |
| SA | 1253 | CLR | 20 | | | 073 | 76 | 22 | 23 | 10 | | 984 | 212 1101 | HS |
| SA | 1353 | CLR | 20 | | | 069 | 77 | 22 | 21 | 07 | | 983 | CU E | HS |
| SA | 1450 | CLR | 20 | | | 066 | 78 | 19 | 22 | 08 | | 982 | CU E | HS |
| SA | 1556 | CLR | 20 | | | 065 | 78 | 19 | 23 | 16 | | 981 | 708 1001 79 RADAT 20114 | HS |
| SA | 1650 | CLR | 20 | | | 063 | 78 | 19 | 21 | 14 | | 980 | | EP |
| SA | 1750 | CLR | 20 | | | 056 | 76 | 17 | 21 | 12 | | 979 | | EP |
| SA | 1852 | CLR | 20 | | | 060 | 74 | 14 | 20 | 12 | | 980 | 503 | EP |
| SA | 1950 | CLR | 20 | | | 072 | 69 | 12 | 17 | 06 | | 983 | | EP |
| SA | 2051 | CLR | 20 | | | 075 | 66 | 12 | 22 | 06 | | 984 | | EP |
| SA | 2153 | CLR | 20 | | | 082 | 60 | 15 | 02 | 05 | | 985 | 117 78 79 | EP |
| SA | 2250 | CLR | 20 | | | 081 | 62 | 17 | 02 | 04 | | 985 | | EP |
| SA | 2354 | CLR | 20 | | | 087 | 60 | 20 | 35 | 06 | | 987 | | EP |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$W_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 11 1986

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 | 26.380 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 00-01 |
| 01 50 | 26.390 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.400 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.410 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 03-04 |
| 04 52 | 26.430 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 52 | 26.450 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.465 | | | 37 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .055 | | | 06-07 |
| 07 53 | 26.470 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.480 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.480 | | | 26 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 1 | .015 | | | 09-10 |
| 10 53 | 26.470 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 53 | 26.460 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.445 | | | 13 | 0 | 0 | Cu | 70 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 7 | .035 | | | 12-13 |
| 13 53 | 26.435 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.430 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 55 | 26.420 | | | 11 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 7 | .025 | | | 15-16 |
| 16 50 | 26.410 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.400 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.410 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 18-19 |
| 19 50 | 26.440 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.450 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.460 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 21-22 |
| 22 50 | 26.460 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 54 | 26.480 | | | 21 | 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 03 52 | X | 0 | 0 | X | 65 | 56 | X | X | | | | | | X | | |
| | 03 52 | 1 | 0 | 0 | 0 | 66 | 56 | | 0 | | | | | | | | |
| | 09 51 | 2 | 0 | 0 | 0 | 70 | 51 | | 0 | | | | | | | | |
| | 15 58 | 3 | 0 | 0 | 0 | 79 | 70 | | 0 | | | | | | | | |
| | 22 51 | 4 | 0 | 0 | 0 | 78 | 60 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 63 | 59 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0952 | 1554 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.410 | 26.480 | 26.420 | 26.460 |
| BAROGRAPH 64 | 26.420 | 26.490 | 26.420 | 26.460 |
| BAR. CORR. 65 | -.010 | -.010 | 0 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79 | 51 | 0 | 0 | 0 | 25 | SW | 1209 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0440 SUNSET 1840

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: 0755P ±0 Sec./ 2130 ±0 Sec./ ± Sec.

*BAROGRAPH CHANGED RE-SET TO "0"

2153/2335 24HR MAX 79

1253P/APP 712/0845 5-14

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-764-006/6069

MF1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 13 1986

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 (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 086 | 57 | 21 | 02 | 08 | | 987 | 005 | EP |
| SA | 0250 | CLR | 20 | | | 087 | 58 | 23 | 32 | 08 | | 987 | | EP |
| SA | 0350 | CLR | 20 | | | 095 | 56 | 24 | 04 | 08 | | 990 | | EP |
| SA | 0353 | CLR | 20 | | | 098 | 59 | 25 | 03 | 13 | | 991 | 112 56 RADAT 28110 | HS |
| SA | 0452 | CLR | 20 | | | 106 | 58 | 25 | 04 | 11 | | 993 | | HS |
| SA | 0553 | CLR | 20 | | | 112 | 62 | 25 | 12 | 05 | | 996 | | HS |
| SA | 0650 | CLR | 20 | | | 116 | 64 | 25 | 03 | 08 | | 997 | 117 | HS |
| SA | 0750 | CLR | 20 | | | 121 | 66 | 25 | 04 | 15 | | 998 | | HS |
| SA | 0850 | CLR | 20 | | | 121 | 70 | 26 | 04 | 13 | | 998 | | HS |
| SA | 0951 | CLR | 20 | | | 122 | 75 | 27 | 03 | 14 | | 998 | 103 56 | HS |
| SA | 1050 | CLR | 20 | | | 120 | 77 | 26 | 02 | 05 | | 997 | | HS |
| SA | 1150 | CLR | 20 | | | 113 | 78 | 25 | 36 | 07 | | 996 | CU NW NE SE | HS |
| SA | 1251 | CLR | 20 | | | 112 | 81 | 24 | 12 | 06 | | 996 | CU ALQDS LGT HAIL | HS |
| SA | 1350 | CLR | 20 | | | 105 | 80 | 21 | 18 | 08 | | 993 | CU ALQDS | HS |
| SA | 1456 | CLR | 20 | | | 097 | 82 | 22 | 22 | 06 | | 991 | CU ALQDS | HS |
| SA | 1552 | 90 SCT | 20 | | | 096 | 82 | 22 | 23 | 04 | | 991 | 614 1100 83 RADAT 37117 | EP |
| SA | 1653 | 90 SCT | 20 | | | 093 | 81 | 22 | 08 | 07 | | 990 | | EP |
| SA | 1751 | 90 SCT | 20 | | | 092 | 79 | 20 | 14 | 07 | | 990 | | EP |
| SA | 1854 | CLR | 20 | | | 096 | 75 | 19 | 11 | 05 | | 991 | 500 1100 | EP |
| SA | 1951 | CLR | 20 | | | 101 | 70 | 20 | 10 | 07 | | 992 | | EP |
| SA | 2053 | CLR | 20 | | | 105 | 65 | 20 | 07 | 03 | | 993 | | EP |
| SA | 2152 | CLR | 20 | | | 105 | 61 | 20 | 06 | 04 | | 993 | 107 1400 83 | EP |
| SA | 2252 | CLR | 20 | | | 104 | 61 | 21 | 06 | 08 | | 993 | | EP |
| SA | 2353 | CLR | 20 | | | 104 | 60 | 21 | 00 | 00 | | 993 | | EP |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/5085

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 12 1986

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 52 | 26.475 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | 0 | .015 | | | 00-01 |
| 01 50 | 26.480 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.500 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.510 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 1 | .035 | | | 03-04 |
| 04 52 | 26.530 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.550 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.560 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 06-07 |
| 07 50 | 26.570 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.570 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.570 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 50 | 26.565 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.550 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 54 | 26.550 | | | 12 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 6 | .020 | | | 12-13 |
| 13 50 | 26.530 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 56 | 26.510 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.510 | | | 11 | 1 | 1 | Cu | 90 | | | | | | | | | | | | 1 | 6 | .040 | | | 15-16 |
| 16 53 | 26.500 | | | 11 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 51 | 26.500 | | | 11 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 54 | 26.510 | | | 13 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 51 | 26.520 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 53 | 26.530 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.530 | | | 20 | 0 | 0 | Sc | 90 | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 52 | 26.530 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.530 | | | 22 | 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 0351 | X | 0 | 0 | X | 60 | 56 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 63 | 56 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 75 | 57 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 83 | 75 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 83 | 61 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 63 | 59 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0352 | 0950 | 1550 | 2151 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.510 | 26.570 | 26.510 | 26.530 |
| BAROGRAPH 64 | 26.505 | 26.575 | 26.500 | 26.520 |
| BAR. CORR. 65 | +.005 | -.005 | +.010 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNHL. TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Mi.) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83 | 56 | 0 | 0 | 0 | 17 | NE | 0822 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 86 | ENDED 87 |
|---|---|---|---|---|---|
| | | | | | |

## 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: 0623P ⊕ 0 Sec./ 2132 ± 0 Sec./ ± Sec.

SP=

RS=

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE:

TO CONVERT LST TO GMT ADD 8 hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | SEQ. OBSERVER INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 102 | 61 | 23 | 10 | 06 | | 993 | 400 | EP |
| SA | 0154 | CLR | 20 | | | 100 | 58 | 22 | 12 | 05 | | 992 | | EP |
| SA | 0250 | CLR | 20 | | | 100 | 60 | 23 | 08 | 04 | | 992 | | EP |
| SA | 0348 | CLR | 20 | | | 101 | 61 | 24 | 10 | 05 | | 993 | 500 57 RADAT 35112 | HS |
| SA | 0451 | CLR | 20 | | | 101 | 61 | 25 | 05 | 13 | | 993 | | HS |
| SA | 0550 | CLR | 20 | | | 106 | 64 | 27 | 05 | 09 | | 994 | | HS |
| SA | 0650 | CLR | 20 | | | 107 | 68 | 28 | 04 | 10 | | 995 | 305 | HS |
| SA | 0750 | CLR | 20 | | | 112 | 71 | 28 | 06 | 07 | | 996 | | HS |
| SA | 0850 | CLR | 20 | | | 108 | 76 | 28 | 31 | 03 | | 994 | CU SE NW | HS |
| SA | 0955 | CLR | 20 | | | 104 | 79 | 28 | 17 | 06 | | 993 | CU NW-NE SE/805 1100 56 | HS |
| SA | 1050 | CLR | 20 | | | 097 | 82 | 26 | 21 | 04 | | 992 | CU NW-NE SE | HS |
| SA | 1152 | CLR | 20 | | | 088 | 82 | 23 | 26 | 04 | | 989 | CU NW-NE SE | HS |
| SA | 1251 | CLR | 20 | | | 079 | 84 | 20 | 02 | 04 | | 987 | CU NW-NE SE CI NW/720 1101 | HS |
| SA | 1351 | 250-SCT | 20 | | | 072 | 84 | 19 | 18 | 03 | | 984 | CU NW-NE-SE | HS |
| SA | 1450 | 250-SCT | 20 | | | 065 | 84 | 20 | 24 | 10 | | 982 | FEW CU | HS |
| SA | 1554 | 250-BKN | 20 | | | 054 | 85 | 18 | 23 | 08 | | 980 | 720 1101 86 RADAT 33118 | EP |
| SA | 1652 | 250-BKN | 20 | | | 055 | 82 | 15 | 24 | 08 | | 979 | | EP |
| SA | 1753 | E250 BKN | 20 | | | 046 | 81 | 14 | 24 | 08 | | 978 | | EP |
| SA | 1854 | E 250 OVC | 20 | | | 050 | 78 | 16 | 24 | 06 | | 979 | 503 1007 | EP |
| SA | 1953 | E 250 OVC | 20 | | | 049 | 76 | 18 | 24 | 04 | | 979 | | EP |
| SA | 2053 | E 250 OVC | 20 | | | 052 | 74 | 18 | 03 | 04 | | 980 | | EP |
| SA | 2155 | 250-BKN | 20 | | | 050 | 69 | 18 | 02 | 05 | | 979 | 000 1008 86 | EP |
| SA | 2254 | 250-SCT | 20 | | | 053 | 65 | 18 | 35 | 07 | | 980 | | EP |
| SA | 2353 | CLR | 20 | | | 053 | 65 | 18 | 01 | 06 | | 980 | | EP |

A synoptic observation, in WMO code format FM11C, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh\ h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE

To convert LST to GMT ADD 8 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 | 26.530 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 54 | 26.520 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.520 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.530 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 51 | 26.530 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.540 | | | 25 | 0. | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.545 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 06-07 |
| 07 50 | 26.555 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.540 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 55 | 26.530 | | | 15 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 8 | .015 | | | 09-10 |
| 10 50 | 26.520 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.495 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.470 | | | 9 | 0 | 0 | CU | 80 | 0 | CI | 250 | 0 | | | | | | | | 0 | 7 | .060 | | | 12-13 |
| 13 51 | 26.450 | | | 9 | 2 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.430 | | | 9 | 3 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 54 | 26.410 | | | 8 | 9 | 0 | CU | 90 | 7 | CI | 250 | 7 | | | | | | | | 2 | 7 | .060 | | | 15-16 |
| 16 52 | 26.400 | | | 8 | 7 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 53 | 26.390 | | | 8 | 9 | | | | | | | | | | | | | | | 6 | | | | | 17-18 |
| 18 54 | 26.400 | | | 10 | 10 | 10 | CS | E250 | | | | | | | | | | | | 9 | 5 | .010 | | | 18-19 |
| 19 53 | 26.400 | | | 11 | 10 | | | | | | | | | | | | | | | 9 | | | | | 19-20 |
| 20 53 | 26.410 | | | 12 | 10 | | | | | | | | | | | | | | | 8 | | | | | 20-21 |
| 21 55 | 26.400 | | | 14 | 8 | 8 | CS | 250 | | | | | | | | | | | | 2 | 0 | .000 | | | 21-22 |
| 22 54 | 26.410 | | | 16 | 5 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 53 | 26.410 | | | 16 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID TO 0345 | X | 0 | 0 | X | 61 | 57 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 63 | 57 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 79 | 56 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 86 | 79 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 85 | 69 | | 0 | | | | | | | | |
| | MID | X | 0 | 0 | 0 | 64 | 65 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0347 | 0954 | 1553 | 2155 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.530 | 26.530 | 26.410 | 26.400 |
| BAROGRAPH 64 | 26.540 | 26.530 | 26.420 | 26.410 |
| BAR. CORR. 65 | -.010 | ±.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 56 | 0 | 0 | 0 | 18 | SW | 1455 | | | | | 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 0439P SUNSET 1842P

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

FASTEST OBSERVED 2-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK: 0640P - 1 SEC 1823P - 1 SEC

MF1-10B

☆ U.S.GPO:1977-0-785-005/1131

MF1-10A (5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 14 1986

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 (Mbs.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | CD. SERVICES INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 051 | 66 | 20 | 02 | 09 | | 980 | 103 1001 | EP |
| SA | 0151 | CLR | 20 | | | 049 | 66 | 20 | 23 | 03 | | 979 | | EP |
| SA | 0250 | CLR | 20 | | | 050 | 62 | 22 | 08 | 03 | | 979 | | EP |
| SA | 0352 | 250 - SCT | 20 | | | 056 | 58 | 22 | 04 | 04 | | 980 | 500 1001 58 RADAT 34120 | HS |
| SA | 0450 | 250 - BKN | 20 | | | 056 | 60 | 23 | 26 | 03 | | 980 | | HS |
| SA | 0550 | 250 - SCT | 20 | | | 060 | 64 | 25 | 03 | 03 | | 981 | | HS |
| SA | 0650 | 250 - SCT | 20 | | | 065 | 71 | 26 | 28 | 03 | | 983 | 310 1001 | HS |
| SA | 0752 | 250 - BKN | 20 | | | 064 | 73 | 28 | 22 | 04 | | 982 | | HS |
| SA | 0850 | 250 - OVC | 20 | | | 062 | 76 | 28 | 23 | 03 | | 982 | | HS |
| SA | 0953 | 250 - BKN | 20 | | | 062 | 79 | 28 | 24 | 03 | | 982 | 603 1101 58 | HS |
| SA | 1050 | 250 - BKN | 20 | | | 051 | 82 | 28 | 23 | 09 | | 979 | FEW CU | HS |
| SA | 1150 | 250 - OVC | 20 | | | 042 | 83 | 28 | 27 | 09 | | 977 | CU SE NW | HS |
| SA | 1253 | 250 - OVC | 20 | | | 036 | 85 | 28 | 23 | 09 | | 976 | CU SE NW 620 1101 | HS |
| SA | 1351 | 90SCT 250 - BKN | 20 | | | 034 | 85 | 29 | 24 | 06 | | 974 | | HS |
| SA | 1450 | 90SCT 250 - BKN | 20 | | | 025 | 87 | 28 | 26 | 06 | | 972 | | HS |
| SA | 1552 | E250 BKN | 20 | | | 021 | 86 | 29 | 25 | 11 | | 970 | 817 1101 88 RADAT 33133 | EP |
| SA | 1654 | E250 OVC | 20 | | | 014 | 84 | 28 | 21 | 10 | | 968 | | EP |
| SA | 1753 | E250 OVC | 20 | | | 008 | 82 | 30 | 19 | 13 | | 967 | | EP |
| SA | 1855 | E250 OVC | 20 | | | 001 | 81 | 28 | 17 | 08 | | 965 | 614 1037 | EP |
| SA | 1954 | E250 OVC | 20 | | | 000 | 80 | 27 | 18 | 09 | | 965 | | EP |
| SA | 2054 | E250 BKN | 20 | | | 007 | 78 | 29 | 22 | 07 | | 968 | | EP |
| SA | 2152 | E250 BKN | 20 | | | 003 | 77 | 26 | 21 | 08 | | 967 | 003 1008 88 | EP |
| SA | 2254 | E250 OVC | 20 | | | 006 | 76 | 26 | 03 | 15 | G21 | 968 | | EP |
| SA | 2352 | 250 - OVC | 20 | | | 015 | 73 | 26 | 02 | 10 | | 970 | | EP |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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 $6RRR_tR$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-008/6065

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 14 1986

To convert LST to GMT ADD 7 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 55 | 26.410 | | | 17 | 0 | 0 | Cl | 250 | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 51 | 26.400 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.400 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.410 | | | 24 | 3 | 3 | Cl | 250 | | | | | | | | | | | | 1 | 5 | .000 | | | 03-04 |
| 04 50 | 26.405 | | | 24 | 7 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 50 | 26.420 | | | 23 | 3 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.440 | | | 18 | 4 | 4 | Cl | 250 | | | | | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 52 | 26.430 | | | 19 | 7 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 50 | 26.430 | | | 17 | 10 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 53 | 26.430 | | | 15 | 6 | 0 | Cu | 90 | 6 | Cl | 250 | 6 | | | | | | | | 1 | 6 | .010 | | | 09-10 |
| 10 50 | 26.400 | | | 14 | 8 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.380 | | | 13 | 10 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 53 | 26.370 | | | 13 | 10 | 0 | Cu | 90 | 10 | Cl | 250 | 10 | | | | | | | | 1 | 6 | .060 | | | 12-13 |
| 13 51 | 26.360 | | | 13 | 9 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.335 | | | 12 | 9 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 52 | 26.320 | | | 13 | 9 | 0 | Cu | 90 | 9 | Cl | E250 | 9 | | | | | | | | 5 | 8 | .050 | | | 15-16 |
| 16 54 | 26.300 | | | 13 | 10 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 53 | 26.290 | | | 15 | 10 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 55 | 26.280 | | | 14 | 10 | 0 | AC | 120 | 10 | Cs | E250 | 10 | | | | | | | | 7 | 6 | .040 | | | 18-19 |
| 19 54 | 26.280 | | | 14 | 10 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 54 | 26.300 | | | 15 | 9 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 52 | 26.290 | | | 15 | 8 | 8 | Cs | E250 | | | | | | | | | | | | 6 | 0 | .010 | | | 21-22 |
| 22 54 | 26.300 | | | 16 | 10 | | | | | | | | | | | | | | | 7 | | | | | 22-23 |
| 23 52 | 26.320 | | | 17 | 10 | | | | | | | | | | | | | | | 5 | | | | | 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 0350 | X | 0 | 0 | X | 70 | 58 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 70 | 58 | | 0 | | | | | | | | |
| | 0451 | 2 | 0 | 0 | 0 | 80 | 58 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 88 | 79 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 86 | 77 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 77 | 73 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0952 | 1550 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.410 | 26.430 | 26.320 | 26.290 |
| BAROGRAPH 64 | 26.405 | 26.420 | 26.310 | 26.280 |
| BAR. CORR. 65 | +.005 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 58 | 0 | 0 | 0 | 23 | N | 1120 | | | | | 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 0438 SUNSET 1843

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

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

TIME CHECK - CLOCK AT: 1057P @ 0 Sec. / 2030 ± 0 Sec. / ± Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆ U.S.GPO:1983-0-764-006/6069

MF1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 15 1986

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. (Mb.) (6) | TEMP. (7) | DEW PT. (8) | WIND DIRECTION (00=North) (9) | WIND SPEED (Kts.) (10) | WIND GUSTS (11) | ALTIMETER SETTING (In.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0056 | 250 - BKN | 20 | | | 018 | 71 | 32 | 01 | 12 | | 971 | 114 1001 | EP |
| SA | 0155 | 250 - SCT | 20 | | | 019 | 69 | 32 | 36 | 12 | | 971 | | EP |
| SA | 0251 | 250 - SCT | 20 | | | 019 | 67 | 33 | 01 | 08 | | 971 | | EP |
| SA | 0351 | 250 - SCT | 20 | | | 020 | 65 | 33 | 05 | 10 | | 971 | 400 1001 64 | SH |
| | — | | — | | | — | | | | | | | RADAT 61112 | — |
| SA | 0454 | 140 SCT E250 BKN | 20 | | | 024 | 64 | 34 | 04 | 09 | | 972 | | SH |
| SA | 0554 | E140 BKN 250 BKN | 20 | | | 035 | 66 | 34 | 03 | 14 | | 974 | | SH |
| SA | 0654 | E140 BKN 250 BKN | 20 | | | 041 | 69 | 35 | 02 | 12 | | 976 | 217 1018 | SH |
| SA | 0751 | E140 BKN 250 BKN | 20 | | | 044 | 71 | 36 | 04 | 14 | | 979 | | SH |
| SA | 0851 | E140 BKN | 20 | | | 052 | 73 | 35 | 01 | 10 | | 980 | | SH |
| SA | 0952 | 140 SCT 250 SCT | 20 | | | 051 | 74 | 35 | 03 | 11 | | 980 | 110 1011 64 | SH |
| SA | 1051 | 140 SCT | 20 | | | 047 | 77 | 36 | 05 | 07 | | 979 | FEW CU | SH |
| SA | 1152 | 90 SCT | 20 | | | 044 | 79 | 34 | 03 | 12 | | 978 | | SH |
| SA | 1254 | 90 SCT 250 SCT | 20 | | | 035 | 82 | 33 | 27 | 08 | | 975 | 814 1101 | SH |
| SA | 1357 | 90 SCT E250 BKN | 20 | | | 032 | 82 | 32 | 11 | 05 | | 974 | | SH |
| SA | 1448 | 90 SCT E250 BKN | 20 | | | 026 | 83 | 30 | 18 | 04 | | 976 | | SH |
| SA | 1558 | 90 SCT 250 - BKN | 20 | | | 021 | 86 | 25 | 23 | 08 | | 971 | 714 1101 86 RADAT 55116 | SEA |
| SA | 1650 | 90 SCT 250 SCT | 20 | | | 023 | 85 | 23 | 27 | 11 | 618 | 971 | | SEA |
| SA | 1755 | 90 SCT 250 SCT | 20 | | | 028 | 82 | 19 | 31 | 09 | | 976 | | SEA |
| SA | 1856 | CLR | 20 | | | 033 | 77 | 11 | 31 | 07 | | 973 | FEW CU/01 / 304 1101 | SEA |
| SA | 1954 | CLR | 20 | | | 040 | 71 | 12 | 36 | 06 | | 975 | FEW CU/01 | SEA |
| SA | 2056 | 250 - SCT | 20 | | | 052 | 70 | 15 | 04 | 06 | | 979 | | SEA |
| SA | 2154 | 250 - SCT | 20 | | | 061 | 68 | 14 | 21 | 03 | | 981 | 2184 1001 86 | SEA |
| SA | 2253 | 90 SCT 140 SCT 250 SCT | 20 | | | 067 | 69 | 10 | 10 | 03 | | 983 | | SEA |
| SA | 2356 | 90 SCT 140 SCT 250 SCT | 20 | | | 070 | 67 | 10 | 00 | 00 | | 984 | | SEA |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Iliii $i_R i_x$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$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 15 1986

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 56 | 26.330 | | | 24 | 6 | 6 | CI | 250 | | | | | | | | | | | | 2 | 1 | .040 | | | 00-01 |
| 01 55 | 26.330 | | | 25 | 3 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.330 | | | 28 | 3 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 57 | 26.320 | | | 31 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 54 | 26.315 | | | 32 | 8 | | | | | | | | | | | | | | | 5 | | | | | 04-05 |
| 05 54 | 26.260 | | | 31 | 9 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 54 | 26.330 | | | 27 | 9 | 8 | AC | 040 | 1 | CS | 250 | 9 | | | | | | | | 8 | 2 | .050 | | | 06-07 |
| 07 57 | 26.400 | | | 28 | 8 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 57 | 26.410 | | | 26 | 7 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 52 | 26.410 | | | 24 | 1 | 1 | AC | 140 | 0 | CI | 250 | 1 | | | | | | | | 1 | 1 | .030 | | | 09-10 |
| 10 57 | 26.400 | | | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 52 | 26.390 | | | 20 | 4 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 54 | 26.370 | | | 17 | 4 | 3 | CU | 90 | 1 | CI | 250 | 4 | | | | | | | | 3 | 8 | .040 | | | 12-13 |
| 13 57 | 26.360 | | | 16 | 7 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 48 | 26.340 | | | 15 | 6 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 58 | 26.350 | | | 11 | 6 | 3 | CU | 90 | 4 | CI | 250 | 6 | | | | | | | | 3 | 7 | .040 | | | 15-16 |
| 16 50 | 26.330 | | | 10 | 5 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 55 | 26.340 | | | 9 | 3 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 56 | 26.300 | | | 8 | 0 | 0 | CU | 90 | 0 | CI | 250 | 0 | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 54 | 26.365 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 56 | 26.400 | | | 12 | 1 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 58 | 26.420 | | | 12 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 2 | .020 | | | 21-22 |
| 22 53 | 26.440 | | | 10 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 56 | 26.450 | | | 11 | 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 0347 | | 0 | 0 | | 73 | 64 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 77 | 64 | | 0 | | | | | | | | |
| | 0447 | 2 | 0 | 0 | 0 | 75 | 64 | | 0 | | | | | | | | |
| | 0922 | 3 | 0 | 0 | 0 | 86 | 74 | | 0 | | | | | | | | |
| | 2102 | 4 | 0 | 0 | 0 | 86 | 67 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 69 | 65 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0950 | 1558 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSERVED BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.334 | 26.341 | 26.330 | 26.360 |
| BAROGRAPH 64 | 26.365 | 26.410 | 26.325 | 26.410 |
| BAR. CORR. 65 | [illegible] | [illegible] | 26.005 | 1.010 |

## 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 | (AM) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 64 | 0 | 0 | 0 | 23 | N | 0711 | | | | | 6 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 98. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0437 SUNSET 1844

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: 0722P ± 0 Sec./ 2254/25T ± 0 Sec./ ± Sec.

0454/SLP 029 / 0900

0554/SLP 035 / 0900

2154P/APP 324 / 0936P 5-33

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-006/6069

MF1-10A (5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 16 1986

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's of Deg.) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (16) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | 140 SCT | 20 | | | 078 | 63 | 15 | 06 | 06 | | 986 | 217 1050 | SEA |
| SA | 0154 | 90 SCT 140 SCT | 20 | | | 082 | 63 | 18 | 06 | 06 | | 988 | | SEA |
| SA | 0251 | 140 SCT 250 SCT | 20 | | | 089 | 64 | 17 | 04 | 09 | | 990 | | SEA |
| SA | 0356 | 140 SCT 250 SCT | 20 | | | 092 | 63 | 18 | 04 | 11 | | 991 | 214 1078 61 | SH |
| | — | | — | | | — | | | | | | — | RALAT 40110 | — |
| SA | 0454 | CLR | 20 | | | 105 | 61 | 20 | 09 | 08 | | 994 | FEW AC CI | SH |
| SA | 0553 | CLR | 20 | | | 114 | 63 | 21 | 06 | 08 | | 997 | FEW AC CI | SH |
| SA | 0655 | CLR | 20 | | | 119 | 66 | 21 | 09 | 14 | | 998 | 122 1070 | SH |
| SA | 0752 | CLR | 20 | | | 126 | 69 | 22 | 07 | 11 | | 999 | | SH |
| SA | 0851 | CLR | 20 | | | 124 | 72 | 22 | 08 | 10 | | 999 | | SH |
| SA | 0951 | CLR | 20 | | | 125 | 73 | 22 | 35T | 12 | | 999 | 103 61 | SH |
| SA | 1052 | CLR | 20 | | | 121 | 77 | 22 | 03 | 12 | G18 | 999 | | SH |
| SA | 1154 | CLR | 20 | | | 120 | 78 | 21 | 04 | 10 | G18 | 998 | | SH |
| SA | 1253 | CLR | 20 | | | 117 | 80 | 20 | 02 | 11 | G19 | 997 | 805 1100 | SH |
| SA | 1351 | CLR | 20 | | | 110 | 81 | 20 | 02 | 06 | G15 | 995 | FEW CI | SH |
| SA | 1452 | CLR | 20 | | | 106 | 82 | 22 | 24 | 11 | | 994 | | SH |
| SA | 1554 | CLR | 20 | | | 102 | 82 | 19 | 04 | 11 | | 993 | FEW CI / 704 100183 CANAIT CUMS | SEA |
| SA | 1655 | 250-SCT | 20 | | | 104 | 81 | 17 | 07 | 06 | | 993 | | SEA |
| SA | 1755 | 250-SCT | 20 | | | 111 | 79 | 18 | 05 | 11 | | 995 | | SEA |
| SA | 1854 | CLR | 20 | | | 121 | 75 | 15 | 03 | 13 | | 998 | FEW CI / 305 1001 | SEA |
| SA | 1952 | CLR | 20 | | | 134 | 73 | 12 | 02 | 16 | G21 | 002 | FEW CI | SEA |
| SA | 2051 | CLR | 20 | | | 146 | 69 | 9 | 04 | 11 | | 005 | FEW CI | SEA |
| SA | 2158 | 250-SCT | 20 | | | 155 | 66 | 6 | 03 | 10 | | 007 | 129 1006 83 | SEA |
| SA | 2252 | 250-SCT | 20 | | | 159 | 64 | 8 | 04 | 09 | | 009 | | SEA |
| SA | 2355 | 250-SCT | 20 | | | 166 | 62 | 10 | 05 | 10 | | 011 | | SEA |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/5065

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 16 1986

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 55 | 26.470 | | | 15 | 4 | 4 | AC | 140 | | | | | | | | | | | | 4 | 2 | .050 | | | 00-01 |
| 01 54 | 26.480 | | | 18 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 51 | 26.500 | | | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 56 | 26.570 | | | 17 | 2 | 1 | AS | 140 | 1 | CS | 250 | 2 | | | | | | | | 2 | 2 | .040 | | | 03-04 |
| 04 54 | 26.570 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.565 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.575 | | | 18 | 0 | 0 | AC | 140 | | | | | | | | | | | | 0 | 1 | .065 | | | 06-07 |
| 07 52 | 26.585 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.585 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.585 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 52 | 26.582 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 54 | 26.580 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.570 | | | 11 | 0 | 0 | CU | 40 | | | | | | | | | | | | 0 | 8 | .015 | | | 12-13 |
| 13 51 | [illegible] | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 [illegible] | [illegible] | | | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 58 | 26.530 | | | 10 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 7 | .040 | | | 15-16 |
| 16 55 | 26.530 | | | 9 | 1 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.550 | | | 10 | 1 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 54 | 26.575 | | | 10 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .045 | | | 18-19 |
| 19 52 | 26.610 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.640 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 58 | 26.660 | | | 9 | 3 | 3 | CI | 250 | | | | | | | | | | | | 0 | 1 | .085 | | | 21-22 |
| 22 56 | 26.675 | | | 11 | 1 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.690 | | | 12 | 1 | | | | | | | | | | | | | | | 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 0352 | X | 0 | 0 | X | 68 | 61 | X | X | | | | | | X | | |
| | 0352 | 1 | 0 | 0 | 0 | 69 | 61 | | 0 | | | | | | | | |
| | 0933 | 2 | 0 | 0 | 0 | 74 | 61 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 83 | 73 | | 0 | | | | | | | | |
| | 2133 | 4 | 0 | 0 | 0 | 86 | 66 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 66 | 62 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0950 | 1554 | 2058 |
| ATT. THERM. 60 | | | | |
| OBSERVED BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.580 | 26.630 | 26.660 |
| BAROGRAPH 64 | 26.565 | 26.580 | 26.630 | 26.660 |
| BAR. CORR. 65 | [illegible] | 0 | ±0 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | HAM 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83 | 61 | 0 | 0 | 0 | 23 | NW | 1458 | | | | | 0 | 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 0436 SUNSET 1844

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: 0540 P ±0 Sec./ 2317 PST ±0 Sec./ ± Sec.

✓ 2ND OF 2

SP=

RS=

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

DATE MAY 17 1986

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | 250 - SCT | 20 | | | 165 | 62 | 13 | 04 | 10 | | 011 | 110 1001 | SEA |
| SA | 0153 | CLR | 20 | | | 170 | 58 | 14 | 02 | 13 | | 012 | FEW CI | SEA |
| SA | 0255 | CLR | 20 | | | 174 | 56 | 16 | 01 | 12 | | 013 | FEW CI | SEA |
| SA | 0353 | CLR | 20 | | | 178 | 55 | 17 | 33 | 03 | | 014 | 210 1001 55 | SH |
| | — | | — | | | — | | | | | | — | RADAT 20137 | — |
| SA | 0451 | 250 - SCT | 20 | | | 185 | 56 | 18 | 05 | 07 | | 016 | | SH |
| SA | 0550 | 250 - SCT | 20 | | | 189 | 61 | 20 | 09 | 10 | | 017 | | SH |
| SA | 0652 | 250 - SCT | 20 | | | 197 | 64 | 21 | 07 | 11 | | 019 | 217 1001 | SH |
| SA | 0756 | 250 - BKN | 20 | | | 198 | 65 | 22 | 02 | 06 | | 020 | | SH |
| SA | 0855 | 250 - BKN | 20 | | | 195 | 69 | 20 | 10 | 10 | | 019 | | SH |
| SA | 0954 | 250 - OVC | 20 | | | 192 | 72 | 18 | 08 | 09 | | 018 | 803 1007 55 | SH |
| SA | 1051 | 250 - OVC | 20 | | | 187 | 73 | 15 | 07 | 06 | | 017 | | SH |
| SA | 1151 | 250 - BKN | 20 | | | 182 | 76 | 11 | 10 | 05 | | 015 | | SH |
| SA | [illegible] | 250 [illegible] | 20 | | | 173 | 77 | 11 | [illegible] | 11 | | [illegible] | [illegible] | SH |
| SA | 1352 | 250 SCT | 20 | | | 166 | 79 | 11 | 03 | 10 | | 011 | | SH |
| SA | 1450 | 250 SCT | 20 | | | 159 | 80 | 11 | 36 | 02 | | 008 | | SH |
| SA | 1555 | 250 SCT | 20 | | | 144 | 82 | 11 | 10 | 06 | | 004 | 827 1002 83 RADAT 20133 | SEA |
| SA | 1653 | 250 SCT | 20 | | | 140 | 81 | 12 | 14 | 05 | | 003 | | SEA |
| SA | 1757 | 250 - SCT | 20 | | | 138 | 80 | 9 | 18 | 06 | | 003 | | SEA |
| SA | 1855 | 250 - SCT | 20 | | | 139 | 75 | 7 | 10 | 05 | | 003 | 603 1001 | SEA |
| SA | 1952 | CLR | 20 | | | 145 | 71 | 8 | 18 | 04 | | 005 | FEW CI | SEA |
| SA | 2053 | CLR | 20 | | | 153 | 65 | 9 | 12 | 05 | | 006 | FEW CI | SEA |
| SA | 2152 | CLR | 20 | | | 152 | 61 | 11 | 09 | 04 | | 006 | FEW CI / 008 1002 83 | SEA |
| SA | 2254 | CLR | 20 | | | 154 | 60 | 13 | 07 | 04 | | 006 | | SEA |
| SA | 2355 | CLR | 20 | | | 150 | 57 | 12 | 04 | 04 | | 005 | | SEA |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6065

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 17 1986

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 | PRESSURE CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 53 | 26.640 | | | 14 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 1 | .030 | | | 00-01 |
| 01 53 | 26.700 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 55 | 26.710 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.720 | | | 23 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 2 | .030 | | | 03-04 |
| 04 57 | 26.740 | | | 23 | 4 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.750 | | | 21 | 3 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.775 | | | 19 | 3 | 3 | CI | 250 | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 52 | 26.775 | | | 19 | 6 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.765 | | | 15 | 6 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.760 | | | 13 | 10 | 10 | CS | 250 | | | | | | | | | | | | 1 | 8 | .010 | | | 09-10 |
| 10 57 | 26.745 | | | 11 | 10 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 57 | 26.730 | | | 8 | 8 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 55 | 26.710 | | | 8 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 7 | .050 | | | 12-13 |
| 13 52 | 26.690 | | | 8 | 5 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 50 | 26.670 | | | 7 | 3 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 55 | 26.686 | | | 7 | 1 | 1 | CI | 250 | | | | | | | | | | | | 1 | 8 | .040 | | | 15-16 |
| 16 53 | 26.620 | | | 7 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 57 | 26.620 | | | 7 | 2 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 55 | 26.620 | | | 7 | 2 | 2 | CI | 250 | | | | | | | | | | | | 1 | 6 | .010 | | | 18-19 |
| 19 52 | 26.635 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 53 | 26.650 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.645 | | | 14 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 0 | .065 | | | 21-22 |
| 22 54 | 26.650 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.640 | | | 16 | 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 0349 | | 0 | 0 | | 62 | 55 | | | | | | | | | | |
| | 0349 | 1 | 0 | 0 | 0 | 66 | 55 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 72 | 55 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 73 | 71 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 82 | 61 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 63 | 57 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0951 | 1549 | 1955 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.710 | 26.670 | 26.650 | 26.640 |
| BAROGRAPH 64 | 26.715 | 26.675 | 26.640 | 26.630 |
| BAR. CORR. 65 | +.005 | +.005 | -.010 | -.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 4AM 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 55 | 0 | 0 | 0 | 20 | E | 1004 | | | | | 5 | 3 | | |

## 70. REMARKS, NOTES AND WEATHER OBSTRUCTIONS TO VISION

TIME: SUNRISE 0615 SUNSET 1945

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

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

TIME CHECK - CLOCK AT: 1055P ± 0 Sec. / 2259 1955 ± 0 Sec. / ± Sec.

✓ 2ND OF 2.

SP=

RS=

## WEATHER & OBSTRUCTIONS TO VISION

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

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 18 1986

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 (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 148 | 60 | 13 | 02 | 06 | | 005 | 802 | SEA |
| SA | 0157 | CLR | 20 | | | 147 | 59 | 12 | 21 | 03 | | 005 | | SEA |
| SA | 0256 | CLR | 20 | | | 148 | 55 | 11 | 24 | 04 | | 005 | | SEA |
| SA | 0353 | CLR | 20 | | | 150 | 53 | 12 | 01 | 07 | | 005 | 400 51 RADAT 20122 | RD |
| SA | 0450 | CLR | 20 | | | 152 | 53 | 13 | 07 | 03 | | 006 | | RD |
| SA | 0556 | CLR | 20 | | | 156 | 59 | 15 | 00 | 00 | | 008 | | RD |
| SA | 0657 | CLR | 20 | | | 159 | 70 | 15 | 00 | 00 | | 008 | ~~[illegible]~~ 208 | RD |
| SA | 0758 | CLR | 20 | | | 148 | 76 | 16 | 26 | 05 | | 007 | | RD |
| SA | 0858 | CLR | 20 | | | 142 | 80 | 14 | 13 | 12 | | 005 | | RD |
| SA | 0956 | CLR | 20 | | | 139 | 83 | 14 | 15 | 07 | | 004 | 712 51 | RD |
| SA | 1055 | CLR | 20 | | | 136 | 84 | 14 | 05 | 05 | | 003 | | RD |
| SA | 1156 | CLR | 20 | | | 130 | 87 | 15 | 24 | 12 | | 001 | | RD |
| SA | 1255 | CLR | 20 | | | 120 | 89 | 19 | 29 | 05 | | 999 | 717 | RD |
| SA | 1358 | CLR | 20 | | | 112 | 88 | 18 | 25 | 08 | | 997 | | RD |
| SA | 1453 | CLR | 20 | | | 110 | 91 | 21 | 21 | 05 | | 996 | | RD |
| SA | 1552 | CLR | 20 | | | 107 | 89 | 19 | 28 | 06 | | 994 | 714 91 RADAT 30143 | WRG |
| SA | 1652 | CLR | 20 | | | 095 | 89 | 19 | 27 | 07 | | 991 | | WRG |
| SA | 1752 | CLR | 20 | | | 095 | 87 | 17 | 27 | 05 | | 991 | | WRG |
| SA | 1852 | CLR | 20 | | | 094 | 82 | 15 | 30 | 05 | | 992 | 507 1005 | WRG |
| SA | 1952 | CLR | 20 | | | 099 | 74 | 14 | 05 | 03 | | 993 | | WRG |
| SA | 2052 | CLR | 20 | | | 101 | 73 | 16 | 10 | 06 | | 994 | | WRG |
| SA | 2152 | CLR | 20 | | | 102 | 69 | 16 | 00 | 00 | | 994 | 107 91 | WRG |
| SA | 2252 | CLR | 20 | | | 104 | 63 | 16 | 02 | 03 | | 994 | | WRG |
| SA | 2354 | CLR | 20 | | | 099 | 62 | 16 | 05 | 05 | | 993 | | WRG |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddf $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp $6RRRt_R$ 7wwW$_1$W$_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-704-005/6005

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 18 1986

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 55 | 26.640 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | 8 | .005 | | | 00-01 |
| 01 57 | 26.640 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 56 | 26.640 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.640 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 55 | 26.640 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 56 | 26.660 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 57 | 26.665 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 06-07 |
| 07 58 | 26.655 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 58 | 26.635 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 56 | 26.630 | | | 7 | 0 | | | | | | | | | | | | | | | 0 | 7 | .035 | | | 09-10 |
| 10 55 | 26.620 | | | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 56 | 26.600 | | | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 55 | 26.580 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | 7 | .050 | | | 12-13 |
| 13 58 | 26.560 | | | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 53 | 26.550 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.540 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | 7 | .040 | | | 15-16 |
| 16 52 | 26.510 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.510 | | | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.520 | | | 8 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 5 | .020 | | | 18-19 |
| 19 52 | 26.530 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.540 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.540 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 52 | 26.540 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.530 | | | 16 | 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 0348 | X | 0 | 0 | X | 61 | 51 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 62 | 51 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 82 | 51 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 91 | 83 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 89 | 68 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 69 | 62 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0352 | 0953 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.540 | 26.530 | 26.540 | 26.530 |
| BAROGRAPH 64 | 26.655 | 26.635 | 26.535 | 26.530 |
| BAR. CORR. 65 | [illegible] | [illegible] | [illegible] | [illegible] |

## 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 UNKL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 51 | 0 | 0 | 0 | 16 | W | 1331 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0435 SUNSET 1846

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

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

TIME CHECK - CLOCK AT: 0859 ± 0 Sec./ 2248 ± 0 Sec./ ± Sec.

0657/app 208/ 0805 SB 208 1852/1852

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆ U.S. GPO: 1983-0-764-006/6069

MF 1-10A
(5-83)

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

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 19 1986

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 094 | 62 | 17 | 01 | 07 | | 992 | 807 | WRG |
| SA | 0152 | CLR | 20 | | | 095 | 62 | 16 | 16 | 04 | | 992 | | WRG |
| SA | 0250 | CLR | 20 | | | 095 | 59 | 17 | 00 | 00 | | 992 | | WRG |
| SA | 0355 | CLR | 20 | | | 094 | 57 | 17 | 07 | 04 | | 991 | 803 56 RADAT 30138 | RD |
| SA | 0455 | CLR | 20 | | | 099 | 56 | 18 | 02 | 06 | | 993 | | RD |
| SA | 0553 | CLR | 20 | | | 096 | 65 | 21 | 28 | 03 | | 993 | | RD |
| SA | 0653 | CLR | 20 | | | 098 | 72 | 20 | 00 | 00 | | 994 | 208 1001 | RD |
| SA | 0756 | CLR | 20 | | | 099 | 79 | 21 | 36 | 05 | | 994 | FEW CI | RD |
| SA | 0859 | 250 - SCT | 20 | | | 095 | 84 | 21 | 31 | 04 | | 993 | | RD |
| SA | 0956 | 250 - SCT | 20 | | | 094 | 89 | 18 | 19 | 10 | | 993 | 803 1001 55 | RD |
| SA | 1054 | 250 - SCT | 20 | | | 087 | 89 | 18 | 24 | 16 | | 990 | | RD |
| SA | 1153 | 250 - SCT | 20 | | | 076 | 92 | 19 | 18 | 13 | | 988 | 15 | RD |
| SA | 1255 | 250 - BKN | 20 | | | 077 | 92 | 19 | 17 | 12 | | 988 | 6[illegible] 1008 | RD |
| SA | 1357 | 250 - SCT | 20 | | 061 | ~~077~~ | 93 | 21 | 22 | 16 | | ~~988~~ 983 | | RD |
| SA | 1454 | 250 - BKN | 20 | | | 055 | 93 | 19 | 16 | 15 | | 981 | | RD |
| SA | 1552 | 250 - BKN | 20 | | | 057 | 93 | 20 | 19 | 12G | 20 | 981 | 620 1004 94 RADAT 23132 | WRG |
| SA | 1652 | 250 - BKN | 20 | | | 051 | 91 | 20 | 18 | 10 | | 979 | | WRG |
| SA | 1752 | 250 - BKN | 20 | | | 048 | 89 | 19 | 21 | 10G | 18 | 979 | | WRG |
| SA | 1852 | 250 - BKN | 20 | | | 046 | 86 | 21 | 18 | 10 | | 979 | 607 1001 | WRG |
| SA | 1952 | 250 - BKN | 20 | | | 048 | 83 | 22 | 14 | 09 | | 980 | | WRG |
| SA | 2050 | 250 - BKN | 20 | | | 050 | 81 | 21 | 21 | 10 | | 981 | | WRG |
| SA | 2152 | 250 - BKN | 20 | | | 050 | 77 | 23 | 14 | 03 | | 981 | 107 1008 94 | WRG |
| SA | 2252 | 250 - SCT | 20 | | | 053 | 76 | 28 | 18 | 05 | | 982 | | WRG |
| SA | 2352 | 250 - SCT | 20 | | | 054 | 71 | 30 | 16 | 07 | | 982 | | WRG |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Iliii $i_R i_x h$VV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 19 1986

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3 HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.520 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 00-01 |
| 01 52 | 26.520 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.520 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.510 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 03-04 |
| 04 55 | 26.525 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 52 | 26.525 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.535 | | | 14 | 0 | 0 | C1 | 250 | | | | | | | | | | | | 0 | 2 | .025 | | | 06-07 |
| 07 56 | 26.540 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.530 | | | 10 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 56 | 26.525 | | | 7 | 1 | 1 | C1 | 250 | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 54 | 26.500 | | | 7 | 2 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 53 | 26.480 | | | 7 | 4 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 55 | 26.480 | | | 7 | 6 | 6 | C5 | 250 | | | | | | | | | | | | 1 | 6 | .015 | | | 12-13 |
| 13 57 | 26.470 | | | 7 | 5 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 54 | 26.420 | | | 7 | 6 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.420 | | | 7 | 8 | 8 | C1 | 250 | | | | | | | | | | | | 3 | 6 | .060 | | | 15-16 |
| 16 52 | 26.400 | | | 8 | 8 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 52 | 26.400 | | | 8 | 8 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 52 | 26.400 | | | 9 | 8 | 8 | C1 | 250 | | | | | | | | | | | | 4 | 6 | .020 | | | 18-19 |
| 19 52 | 26.410 | | | 11 | 7 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.420 | | | 11 | 7 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 52 | 26.420 | | | 13 | 6 | 6 | C5 | 250 | | | | | | | | | | | | 3 | 1 | .020 | | | 21-22 |
| 22 52 | 26.430 | | | 17 | 5 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 52 | 26.430 | | | 22 | 4 | | | | | | | | | | | | | | | 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 0347 | | 0 | 0 | | 65 | 56 | | | | | | | | | | |
| | 0349 | 1 | 0 | 0 | 0 | 69 | 56 | | 0 | | | | | | | | |
| | 0953 | 2 | 0 | 0 | 0 | 90 | 55 | | 0 | | | | | | | | |
| | 1540 | 3 | 0 | 0 | 0 | 94 | 89 | | 0 | | | | | | | | |
| | 2140 | 4 | 0 | 0 | 0 | 94 | 72 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 77 | 71 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0955 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.510 | 26.525 | 26.420 | 26.420 |
| BAROGRAPH 64 | 26.510 | 26.525 | 26.420 | 26.420 |
| BAR. CORR. 65 | 0 | 0 | 0.0 | 0.0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 55 | 0 | 0 | 0 | 7 | 5 | 1259 | | | | | 4 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 86 | ENDED 87 |
|---|---|---|---|---|---|
| | | | | | |

TO: BARNARD, HOYER AND MITCHELL, AMBOY PENNSYLVANIA

TIME: SUNRISE 0434 SUNSET 1847

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: 0732 ± 0 Sec./ 2316P ± 0 Sec./ ± Sec.

Changed Microbarograph at 0955 LST

1357/1357

1255/app 015 / 143 2050/2052

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-764-006/6069

MF 1-10A (5-83)

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

## SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 20 1986

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 (18) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 250 SCT | 20 | | | 055 | 72 | 32 | 00 | 00 | | 982 | 103 1008 | WRG |
| SA | 0152 | 250 - BKN | 20 | | | 049 | 76 | 31 | 15 | 07 | | 981 | | WRG |
| SA | 0250 | E250 BKN | 20 | | | 047 | 78 | 32 | 22 | 11 | | 981 | | WRG |
| SA | 0356 | E250 BKN | 20 | | | 050 | 75 | 35 | 20 | 10 | | 982 | 502 1008 69 RAOAT 20131 | RD |
| SA | 0450 | E250 BKN | 20 | | | 056 | 70 | 31 | 09 | 04 | | 982 | | RD |
| SA | 0555 | E250 BKN | 20 | | | 054 | 75 | 32 | 28 | 09 | | 983 | | RD |
| SA | 0652 | E250 BKN | 20 | | | 056 | 81 | 32 | 13 | 08 | | 983 | 205 1008 | RD |
| SA | 0754 | E250 BKN | 20 | | | 058 | 80 | 29 | 20 | 14 | | 984 | | RD |
| SA | 0855 | E250 BKN | 20 | | | 057 | 83 | 30 | 20 | 11 | | 983 | | RD |
| SA | 0957 | E250 BKN | 20 | | | 050 | 84 | 31 | 20 | 12 | | 982 | 803 1008 66 | RD |
| SA | 1056 | E250 BKN | 20 | | | 054 | 86 | 28 | 21 | 18 | | 982 | | RD |
| SA | 1157 | 250 - SCT | 20 | | | 049 | 87 | 23 | 21 | 20 | | 980 | ACSL E | RD |
| SA | 1259 | 250 - SCT | 20 | | | 044 | 89 | 23 | 21 | 20 | | 979 | ACSL SE/710 1048 | RD |
| SA | 1356 | 250 - SCT | 20 | | | 028 | 89 | 23 | 18 | 17 | | 975 | ACSL SE | RD |
| SA | 1450 | 250 - SCT | 20 | | | 026 | 88 | 26 | 22 | 20 | | 975 | ACSL SE | RD |
| SA | 1552 | 160 SCT 250 - BKN | 20 | | | 016 | 88 | 23 | 18 | 18G | 28 | 971 | 724 1074 89 RAOBT36124 | WRG |
| SA | 1652 | 160 SCT 250 - BKN | 20 | | | 011 | 88 | 26 | 20 | 18G | 28 | 969 | | WRG |
| SA | 1752 | 160 SCT 250 SCT | 20 | | | 009 | 87 | 30 | 21 | 12G | 22 | 969 | | WRG |
| SA | 1852 | 160 SCT 250 SCT | 20 | | | 012 | 83 | 30 | 21 | 18G | 27 | 970 | 503 1045 | WRG |
| SA | 1952 | 160 SCT | 20 | | | 018 | 82 | 30 | 22 | 20G | 28 | 971 | ACSL SE | WRG |
| SA | 2050 | 160 SCT | 20 | | | 021 | 79 | 31 | 20 | 12G | 22 | 972 | | WRG |
| SA | 2152 | 160 SCT 250 SCT | 20 | | | 021 | 78 | 33 | 21 | 13 | | 972 | 107 1045 89 | WRG |
| SA | 2252 | 160 SCT 250 SCT | 20 | | | 020 | 75 | 36 | 23 | 12G | 20 | 972 | | WRG |
| SA | 2352 | 160 SCT | 20 | | | 020 | 74 | 38 | 21 | 12G | 22 | 972 | | WRG |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆ U.S.GPO:1984-0-764-006/6065

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 20 1986

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 52 | 26.430 | | | 23 | 5 | 5 | CS | 250 | | | | | | | | | | | | 3 | 1 | .010 | | | 00-01 |
| 01 52 | 26.420 | | | 19 | 8 | | | | | | | | | | | | | | | 4 | | | | | 01-02 |
| 02 50 | 26.420 | | | 19 | 9 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 52 | 26.425 | | | 23 | 9 | 9 | CS | E250 | | | | | | | | | | | | 6 | 5 | .005 | | | 03-04 |
| 04 50 | 26.430 | | | 24 | 8 | | | | | | | | | | | | | | | 5 | | | | | 04-05 |
| 05 51 | 26.435 | | | 21 | 8 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 52 | 26.440 | | | 17 | 8 | 8 | CS | E250 | | | | | | | | | | | | 5 | 2 | .015 | | | 06-07 |
| 07 54 | 26.450 | | | 16 | 8 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 55 | 26.440 | | | 15 | 8 | | | | | | | | | | | | | | | 5 | | | | | 08-09 |
| 09 57 | 26.430 | | | 15 | 8 | 8 | CS | E250 | | | | | | | | | | | | 5 | 8 | .010 | | | 09-10 |
| 10 56 | 26.425 | | | 12 | 8 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 57 | 26.410 | | | 10 | 4 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 59 | 26.400 | | | 9 | 2 | 0 | ASL | 180 | 2 | CS | 250 | 2 | | | | | | | | 1 | 7 | .030 | | | 12-13 |
| 13 56 | 26.365 | | | 9 | 2 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.360 | | | 11 | 2 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 52 | 26.330 | | | 9 | 8 | 2 | AC | 160 | 8 | CI | 250 | 8 | | | | | | | | 4 | 7 | .070 | | | 15-16 |
| 16 52 | 26.310 | | | 11 | 9 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 52 | 26.310 | | | 13 | 5 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 52 | 26.320 | | | 15 | 2 | 2 | ASL | 160 | 0 | CI | 250 | 2 | | | | | | | | 2 | 5 | .010 | | | 18-19 |
| 19 52 | 26.330 | | | 15 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 50 | 26.340 | | | 17 | 1 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 52 | 26.340 | | | 20 | 1 | 1 | ASL | 160 | 0 | CI | 250 | 1 | | | | | | | | 1 | 1 | .020 | | | 21-22 |
| 22 52 | 26.340 | | | 24 | 3 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 52 | 26.340 | | | 28 | 4 | | | | | | | | | | | | | | | 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 0350 | X | 0 | 0 | X | 79 | 69 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 78 | 69 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 86 | 66 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 89 | 84 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 89 | 78 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 78 | 74 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0355 | 0956 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.425 | 26.430 | 26.330 | 26.340 |
| BAROGRAPH 64 | 26.415 | 26.425 | 26.320 | 26.330 |
| BAR. CORR. 65 | +.010 | +.005 | +.010 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Mph.) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | 66 | 0 | 0 | 0 | 34 | S | 1523 | | | | | 6 | 5 | | |

## 99. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0433 SUNSET 1848

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: 0442 (±) 0 Sec./ 2328 (±) 0 Sec./ ± Sec.

SP=

RS=

## WEATHER & OBSTRUCTIONS TO VISION

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

MF1-10B (10-83)

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

☆U.S.GPO:1983-0-764-006/6069

MF1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: DESERT ROCK, NV

DATE: MAY 21 1985

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 (In.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. INTERVALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | E160 BKN | 20 | | | 010 | 73 | 36 | 21 | 20 | G30 | 969 | 810 1070 | WRG |
| SA | 0153 | 160 SCT E250 BKN | 20 | | | 008 | 71 | 35 | 21 | 12 | G22 | 968 | | WRG |
| SA | 0250 | E160 BKN 250 BKN | 20 | | | 006 | 70 | 33 | 22 | 12 | G20 | 968 | | WRG |
| SA | 0350 | E160 BKN 250 BKN | 20 | | | 000 | 69 | 32 | 22 | 15 | G20 | 965 | 710 1036 69 RADAT 20133 | 008 |
| SA | 0450 | 160 SCT E 250 BKN | 20 | | | 011 | 69 | 31 | 18 | 16 | G25 | 969 | | 008 |
| SA | 0552 | 160 SCT E 250 BKN | 20 | | | 024 | 68 | 33 | 21 | 13 | G21 | 972 | | 008 |
| SA | 0649 | 160 SCT E250 BKN | 20 | | | 032 | 69 | 33 | 20 | 14 | G20 | 974 | 127 1056 | 008 |
| SA | 0755 | 160 SCT E250 BKN | 20 | | | 036 | 71 | 34 | 21 | 16 | G23 | 975 | | 008 |
| SA | 0856 | 160 SCT E 250 BKN | 20 | | | 032 | 73 | 33 | 23 | 16 | G25 | 974 | | 008 |
| SA | 0955 | E250 BKN | 20 | | | 036 | 76 | 31 | 22 | 16 | G24 | 975 | 203 1006 67 | 008 |
| SA | 1054 | E250 BKN | 20 | | | 025 | 77 | 30 | 20 | 19 | G30 | 972 | | 008 |
| SA | 1150 | 150 SCT E 250 BKN | 20 | | | 021 | 77 | 29 | 22 | 28 | G35 | 971 | | 008 |
| SA | 1250 | 150 SCT E 250 BKN | 20 | | | 017 | 79 | 30 | 22 | 29 | G39 | 970 | PK WND 2239/47 617 1036 | 008 |
| SA | 1350 | 250 - OVC | 20 | | | 017 | 80 | 27 | 23 | 22 | G32 | 970 | PK WND 2336/2058 | 008 |
| SA | 1449 | 250 - OVC | 20 | | | 013 | 81 | 23 | 20 | 22 | G33 | 969 | PK WND 2336/2153 | 008 |
| SA | 1552 | 250 - OVC | 20 | | | 012 | 81 | 20 | 21 | 16 | G26 | 968 | 807 1007 82 RADAT 20135 | WRG |
| SA | 1652 | 250 - OVC | 20 | | | 015 | 79 | 17 | 24 | 20 | G30 | 969 | | WRG |
| SA | 1752 | 250 - OVC | 20 | | | 024 | 77 | 16 | 21 | 18 | G28 | 971 | | WRG |
| SA | 1852 | 250 - OVC | 20 | | | 031 | 74 | 12 | 22 | 12 | G20 | 972 | 214 1007 | WRG |
| SA | 1952 | 250 - BKN | 20 | | | 042 | 71 | 14 | 24 | 11 | | 975 | | WRG |
| SA | 2052 | 250 - BKN | 20 | | | 053 | 68 | 14 | 28 | 08 | | 979 | | WRG |
| SA | 2152 | 250 - BKN | 20 | | | 074 | 65 | 15 | 36 | 09 | | 984 | 237 1008 82 | WRG |
| SA | 2252 | 250 - BKN | 20 | | | 086 | 64 | 3 | 02 | 17 | | 987 | | WRG |
| SA | 2350 | 250 - BKN | 20 | | | 090 | 62 | 2 | 04 | 08 | | 984 | | WRG |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Iliii $iR_ix_hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: [illegible], DESERT [illegible]

DATE: MAY 31 1986

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 52 | 26.310 | | | 27 | 7 | 7 | AC | 8160 | | | | | | | | | | | | 6 | 8 | .030 | | | 00-01 |
| 01 53 | 26.300 | | | 27 | 9 | | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 50 | 26.300 | | | 25 | 9 | | | | | | | | | | | | | | | 8 | | | | | 02-03 |
| 03 50 | 26.280 | | | 25 | 8 | 6 | AC | 8160 | 2 | ci | 250 | 8 | | | | | | | | 8 | 7 | .030 | | | 03-04 |
| 04 50 | 26.310 | | | 24 | 8 | | | | | | | | | | | | | | | 7 | | | | | 04-05 |
| 05 52 | 26.340 | | | 27 | 9 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 49 | 26.360 | | | 26 | 9 | 2 | AC | 160 | 7 | ci | 8250 | 9 | | | | | | | | 8 | 1 | .080 | | | 06-07 |
| 07 55 | 26.370 | | | 26 | 9 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 56 | 26.360 | | | 23 | 8 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 55 | 26.370 | | | 19 | 8 | 8 | ci | 8250 | | | | | | | | | | | | 6 | 2 | .010 | | | 09-10 |
| 10 54 | 26.340 | | | 18 | 7 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 50 | 26.320 | | | 17 | 7 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 50 | 26.3[illegible] | | | [illegible] | [illegible] | 2 | [illegible] | [illegible] | 5 | ci | [illegible] | 7 | | | | | | | | [illegible] | [illegible] | [illegible] | | | 12-13 |
| 13 50 | 26.320 | | | 14 | 10 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 49 | 26.310 | | | 12 | 10 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 52 | 26.300 | | | 10 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 8 | .020 | | | 15-16 |
| 16 52 | 26.310 | | | 10 | 10 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 52 | 26.330 | | | 10 | 10 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 52 | 26.340 | | | 9 | 10 | 10 | CS | 250 | | | | | | | | | | | | 3 | 2 | .040 | | | 18-19 |
| 19 52 | 26370 | | | 11 | 8 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 52 | 26.400 | | | 12 | 6 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 52 | 26.450 | | | 14 | 6 | 6 | CS | 250 | | | | | | | | | | | | 3 | 2 | .110 | | | 21-22 |
| 22 52 | 26.480 | | | 8 | 7 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 50 | 26.490 | | | 9 | 6 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 74 | 69 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 78 | 69 | | 0 | | | | | | | | |
| | 0954 | 2 | 0 | 0 | 0 | 76 | 67 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 82 | 76 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 81 | 65 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 65 | 61 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0954 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.280 | 26.370 | 26.500 | 26.450 |
| BAROGRAPH 64 | 26.285 | 26.370 | 26.290 | 26.445 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 61 | 0 | 0 | 0 | 39 | SW | 1247 | | | | | 9 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0433 SUNSET 1848

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: 0650P 90 Sec./ 2310 ⊕ 0 Sec./ ± Sec.

SP=

RS=

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 22 1986

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) | OPERATOR'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 250 -BKN | 20 | | | 090 | 60 | 1 | 03 | 07 | | 988 | 114 1008 | [illegible] |
| SA | 0152 | 250 -SCT | 20 | | | 093 | 60 | 0 | 04 | 09 | | 990 | | [illegible] |
| SA | 0250 | 250 -SCT | 20 | | | 101 | 57 | 8 | 04 | 14 | | 992 | | [illegible] |
| SA | 0349 | 250 - SCT | 20 | | | 101 | 56 | 12 | 04 | 19 | G27 | 992 | 110 1003 56 RADAT 20139 | [illegible] |
| SA | 0448 | 250 - SCT | 20 | | | 114 | 55 | 13 | 06 | 15 | G20 | 995 | | [illegible] |
| SA | 0549 | 250 - SCT | 20 | | | 118 | 56 | 15 | 07 | 14 | G20 | 996 | | [illegible] |
| SA | 0650 | 250 - SCT | 20 | | | 130 | 59 | 16 | 04 | 15 | G22 | 999 | 224 1001 | [illegible] |
| SA | 0758 | 250 - SCT | 20 | | | 130 | 62 | 15 | 02 | 12 | | 999 | | [illegible] |
| SA | 0855 | 250 - SCT | 20 | | | 123 | 65 | 14 | 03 | 10 | G15 | 997 | | [illegible] |
| SA | 0955 | 250 - SCT | 20 | | | 119 | 68 | 14 | 03 | 09 | G16 | 996 | 810 1001 54 | [illegible] |
| SA | 1056 | 250 - SCT | 20 | | | 114 | 71 | 13 | 01 | 10 | G16 | 995 | | [illegible] |
| SA | 1155 | 250 - BKN | 20 | | | 105 | 74 | 13 | 01 | 11 | | 993 | | [illegible] |
| SA | 1255 | 250 - BKN | 20 | | | 102 | 77 | 13 | 33 | 08 | G14 | 992 | 714 1001 | [illegible] |
| SA | 1354 | 250 - BKN | 20 | | | 086 | 78 | 14 | 09 | 07 | G19 | 987 | | [illegible] |
| SA | 1450 | 250 - BKN | 20 | | | 082 | 79 | 14 | 29 | 06 | | 986 | | [illegible] |
| SA | 1550 | 250 - BKN | 20 | | | 080 | 79 | 14 | 28 | 06 | | 985 | 620 1001 80 RADAT 23138 | CH |
| SA | 1650 | 250 - BKN | 20 | | | 076 | 78 | 12 | 24 | 10 | | 984 | | CH |
| SA | 1750 | 250 - BKN | 20 | | | 077 | 76 | 12 | 23 | 08 | | 984 | | CH |
| SA | 1850 | 250 - BKN | 20 | | | 082 | 73 | 12 | 23 | 06 | | 985 | 500 1001 | CH |
| SA | 1950 | 250 - BKN | 20 | | | 084 | 70 | 13 | 30 | 04 | | 985 | | CH |
| SA | 2050 | 250 - BKN | 20 | | | 086 | 66 | 14 | 02 | 04 | | 986 | | CH |
| SA | 2150 | 250 - BKN | 20 | | | 090 | 63 | 14 | 05 | 05 | | 987 | 307 1001 80 | CH |
| SA | 2250 | 250 - BKN | 20 | | | 090 | 60 | 14 | 00 | 00 | | 987 | | CH |
| SA | 2350 | 250 - BKN | 20 | | | 087 | 56 | 12 | 00 | 00 | | 986 | | CH |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆ U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 22 1986

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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0052 | 26.490 | | | 9 | 6 | 6 | CS | 250 | | | | | | | | | | | | 2 | 1 | .040 | | | 00-01 |
| 01 52 | 26.500 | | | 9 | 2 | X | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.520 | | | 14 | 2 | X | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 49 | 26.520 | | | 17 | 2 | 2 | CS | 250 | | | | | | | | | | | | 1 | 1 | .030 | | | 03-04 |
| 04 48 | 26.550 | | | 19 | 2 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.560 | | | 20 | 2 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.590 | | | 18 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 1 | 2 | .070 | | | 06-07 |
| 07 50 | 26.590 | | | 16 | 3 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 55 | 26.570 | | | 14 | 3 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 55 | 26.560 | | | 12 | 5 | 5 | Ci | 250 | | | | | | | | | | | | 2 | 8 | .030 | | | 09-10 |
| 10 56 | 26.550 | | | 11 | 5 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 55 | 26.530 | | | 10 | 8 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 55 | 26.520 | | | 9 | 8 | 8 | Ci | 250 | | | | | | | | | | | | 3 | 7 | .040 | | | 12-13 |
| 13 54 | 26.480 | | | 9 | 8 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.470 | | | 9 | 8 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 50 | 26.460 | | | 9 | 8 | 8 | Ci | 250 | | | | | | | | | | | | 3 | 6 | .060 | | | 15-16 |
| 16 50 | 26.450 | | | 8 | 9 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 50 | 26.450 | | | 9 | 9 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 50 | 26.460 | | | 10 | 9 | 9 | Ci | 250 | | | | | | | | | | | | 3 | 5 | .000 | | | 18-19 |
| 19 50 | 26.460 | | | 11 | 9 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.470 | | | 13 | 9 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 50 | 26.480 | | | 15 | 9 | 9 | Ci | 250 | | | | | | | | | | | | 3 | 3 | .020 | | | 21-22 |
| 22 50 | 26.480 | | | 16 | 8 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 50 | 26.470 | | | 17 | 8 | | | | | | | | | | | | | | | 3 | | | | | 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 0348 | X | 0 | 0 | X | 62 | 56 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 65 | 56 | | 0 | | | | | | | | |
| | 0753 | 2 | 0 | 0 | 0 | 69 | 54 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 80 | 68 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 79 | 63 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 64 | 56 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0753 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.500 | 26.460 | 26.480 |
| BAROGRAPH 64 | 26.520 | 26.575 | 26.460 | 26.470 |
| BAR. CORR. 65 | +0 | -.015 | ±0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 54 | 0 | 0 | 0 | 28 | NE | 0337 | | | | | 6 | 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 0432 SUNSET 1849

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: 0920P 20 Sec./ 2252 ±0 Sec./ ± Sec.

SP=

RS=

MF 1-10A
(5-83)

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

STATION WSMO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE MAY 23 1986

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 250 - BKN | 20 | | | 082 | 54 | 13 | 00 | 00 | | 985 | 807 1001 | CH |
| SA | 0150 | 250 - BKN | 20 | | | 076 | 56 | 13 | 14 | 05 | | 984 | | CH |
| SA | 0250 | 250 - BKN | 20 | | | 073 | 56 | 14 | 35 | 05 | | 983 | | CH |
| SA | 0350 | 250 - BKN | 20 | | | 078 | 51 | 13 | 02 | 05 | | 984 | 503 1001 51 RAMT 20128 | CH |
| SA | 0454 | 250 - BKN | 20 | | | 077 | 55 | 14 | 05 | 04 | | 984 | | CH |
| SA | 0550 | 250 - BKN | 20 | | | 080 | 58 | 15 | 34 | 04 | | 985 | | CH |
| SA | 0653 | 250 - BKN | 20 | | | 079 | 64 | 15 | 10 | 04 | | 985 | 303 1001 | CH |
| SA | 0755 | 250 - BKN | 20 | | | 089 | 72 | 17 | 33 | 05 | | 986 | | CH |
| SA | 0850 | 250 - BKN | 20 | | | 080 | 76 | 14 | 07 | 04 | | 986 | | CH |
| SA | 0950 | 250 - BKN | 20 | | | 077 | 80 | 15 | 25 | 04 | | 986 | 002 1001 51 | CH |
| SA | 1055 | 250 - BKN | 20 | | | 081 | 81 | 15 | 22 | 08 | | 986 | | CH |
| SA | 1150 | 250 BKN | 20 | | | 078 | 84 | 14 | 34 | 08 | | 985 | | CH |
| SA | 1250 | E250 BKN | 20 | | | 074 | 84 | 17 | 24 | 10 | G17 | 984 | 805 1001 | CH |
| SA | 1355 | E250 BKN | 20 | | | 069 | 86 | 18 | 28 | 11 | G16 | 983 | | CH |
| SA | 1450 | E250 BKN | 20 | | | 060 | 87 | 18 | 24 | 12 | G17 | 981 | | CH |
| SA | 1550 | E250 BKN | 20 | | | 064 | 85 | 17 | 25 | 15 | G20 | 981 | 610 1001 88 RADAT 20130 | CH |
| SA | 1650 | E250 BKN | 20 | | | 063 | 85 | 16 | 24 | 10 | | 981 | | CH |
| SA | 1750 | E250 BKN | 20 | | | 067 | 81 | 13 | 24 | 11 | | 982 | | CH |
| SA | 1852 | E250 BKN | 20 | | | 070 | 77 | 11 | 24 | 05 | | 983 | 307 1001 | CH |
| SA | 1950 | E250 BKN | 20 | | | 075 | 71 | 7 | 02 | 05 | | 985 | | CH |
| SA | 2050 | E250 BKN | 20 | | | 079 | 69 | 8 | 02 | 08 | | 986 | | CH |
| SA | 2150 | E250 BKN | 20 | | | 081 | 68 | 11 | 06 | 04 | | 987 | 214 1001 88 | CH |
| SA | 2250 | E250 BKN | 20 | | | 080 | 68 | 12 | 09 | 03 | | 987 | | CH |
| SA | 2350 | E250 BKN | 20 | | | 086 | 64 | 12 | 11 | 03 | | 988 | | CH |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 23 1986

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 | 26.460 | | | 19 | 8 | 8 | CI | 250 | | | | | | | | | | | | 3 | 8 | .020 | | | 00-01 |
| 01 50 | 26.450 | | | 18 | 7 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 50 | 26.440 | | | 19 | 6 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 55 | 26.450 | | | 22 | 6 | 6 | ci | 250 | | | | | | | | | | | | 2 | 5 | .010 | | | 03-04 |
| 04 50 | 26.450 | | | 14 | 8 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 50 | 26.460 | | | 18 | 8 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 53 | 26.460 | | | 15 | 7 | 7 | ci | 250 | | | | | | | | | | | | 2 | 3 | .010 | | | 06-07 |
| 07 55 | 26.470 | | | 12 | 8 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 50 | 26.470 | | | 9 | 8 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 50 | 26.465 | | | 9 | 7 | 7 | ci | 250 | | | | | | | | | | | | 3 | 0 | .005 | | | 09-10 |
| 10 55 | 26.470 | | | 8 | 8 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 50 | 26.450 | | | 8 | 8 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 50 | 26.450 | | | 8 | 8 | 8 | ci | 250 | | | | | | | | | | | | 5 | 8 | .015 | | | 12-13 |
| 13 55 | 26.440 | | | 8 | 7 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 50 | 26.420 | | | 8 | 7 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 50 | 26.420 | | | 8 | 8 | 8 | CI | E250 | | | | | | | | | | | | 5 | 6 | .030 | | | 15-16 |
| 16 50 | 26.420 | | | 8 | 8 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 50 | 26.430 | | | 8 | 8 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 52 | 26.440 | | | 8 | 8 | 8 | CI | E250 | | | | | | | | | | | | 5 | 3 | .020 | | | 18-19 |
| 19 50 | 26.460 | | | 8 | 8 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 50 | 26.470 | | | 8 | 8 | | | | | | | | | | | | | | | 5 | | | | | 20-21 |
| 21 50 | 26.480 | | | 11 | 8 | 8 | CI | E250 | | | | | | | | | | | | 5 | 2 | .040 | | | 21-22 |
| 22 50 | 26.480 | | | 11 | 8 | | | | | | | | | | | | | | | 6 | | | | | 22-23 |
| 23 50 | 26.490 | | | 13 | 8 | | | | | | | | | | | | | | | 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 0354 | X | 0 | 0 | X | 56 | 51 | X | X | | | | | | X | | |
| | 0354 | 1 | 0 | 0 | 0 | 64 | 51 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 80 | 51 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 88 | 79 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 85 | 68 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 68 | 62 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0949 | 1549 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.450 | 26.465 | 26.420 | 26.480 |
| BAROGRAPH 64 | 26.455 | 26.460 | 26.460 | 26.480 |
| BAR. CORR. 65 | -.005 | +.005 | ±0 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. (WATER EQUIV.) (Ins.) 68 | 24-HR. SNOWFALL (UNMELTED) (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Knots) 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 BANK 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 51 | 0 | 0 | 0 | 21 | SW | 1552 | | | | | 8 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0431 SUNSET 1850

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: 1048P ±0 Sec./ 1652 ±0 Sec./ ± Sec.

1450/1449/617

SP=

RS=

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 24 1986

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | E 250 BKN | 20 | | | 090 | 62 | 12 | 00 | 00 | | 990 | 307 1001 | CH |
| SA | 0150 | 250-BKN | 20 | | | 093 | 62 | 12 | 11 | 05 | | 991 | | CH |
| SA | 0250 | 250 SCT | 20 | | | 099 | 55 | 12 | 04 | 03 | | 992 | | CH |
| SA | 0350 | 250-SCT | 20 | | | 098 | 58 | 14 | 13 | 04 | | 992 | 107 1001 55 RADAT 20129 | 008 |
| SA | 0452 | 250-BKN | 20 | | | 104 | 56 | 14 | 04 | 04 | | 993 | | 008 |
| SA | 0550 | 250-OVC | 20 | | | 109 | 60 | 16 | 12 | 04 | | 995 | | 008 |
| SA | 0650 | 250-OVC | 20 | | | 104 | 73 | 15 | 03 | 14 | | 995 | 108 1001 | 008 |
| SA | 0749 | 250-OVC | 20 | | | 110 | 76 | 16 | 03 | 12 | | 996 | | 008 |
| SA | 0851 | 250-OVC | 20 | | | 108 | 81 | 17 | 02 | 07 | | 996 | | 008 |
| SA | 0953 | 250-OVC | 20 | | | 106 | 86 | 16 | 12 | 08 | | 996 | 103 1001 5~~8~~5 | 008 |
| SA | 1049 | 250-OVC | 20 | | | 104 | 88 | 17 | 05 | 06 | | 995 | | 008 |
| SA | 1154 | 250-OVC | 20 | | | 103 | 88 | 19 | 17 | 03 | | 995 | | 008 |
| SA | 1251 | 250-SCT | 20 | | | 101 | 90 | 21 | 14 | 07 | G19 | 994 | 705 1001 | 008 |
| SA | 1355 | CLR | 20 | | | 093 | 91 | 22 | 21 | 05 | | 992 | | 008 |
| SA | 1450 | CLR | 20 | | | 092 | 92 | 24 | 25 | 06 | | 991 | | 008 |
| SA | 1550 | CLR | 20 | | | 080 | 92 | 22 | 14 | 08 | | 987 | 720 93 | 008 |
| SA | 1650 | CLR | 20 | | | 085 | 92 | 23 | 08 | 08 | | 988 | RADAT 20135 | CH |
| SA | 1750 | CLR | 20 | | | 087 | 90 | 20 | 11 | 05 | | 990 | | CH |
| SA | 1852 | CLR | 20 | | | 088 | 85 | 16 | 13 | 05 | | 991 | 210 | CH |
| SA | 1950 | CLR | 20 | | | 092 | 79 | 14 | 10 | 05 | | 992 | | CH |
| SA | 2050 | CLR | 20 | | | 101 | 72 | 13 | 08 | 05 | | 994 | | CH |
| SA | 2150 | CLR | 20 | | | 105 | 68 | 12 | 06 | 04 | | 995 | 214 93 | CH |
| SA | 2250 | 250-SCT | 20 | | | 104 | 67 | 15 | 00 | 00 | | 995 | | CH |
| SA | 2350 | CLR | 20 | | | 105 | 64 | 15 | 00 | 00 | | 995 | | CH |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 24 1986

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 | 26.500 | | | 14 | 8 | 8 | CI | E250 | | | | | | | | | | | | 5 | 3 | .020 | | | 00-01 |
| 01 50 | 26.510 | | | 14 | 7 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.520 | | | 18 | 5 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 50 | 26.520 | | | 17 | 5 | 5 | ci | 250 | | | | | | | | | | | | 2 | 1 | .020 | | | 03-04 |
| 04 52 | 26.530 | | | 19 | 7 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 50 | 26.545 | | | 18 | 10 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 50 | 26.545 | | | 11 | 10 | 10 | ci | 250 | | | | | | | | | | | | 5 | 1 | .025 | | | 06-07 |
| 07 49 | 26.555 | | | 10 | 10 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 51 | 26.555 | | | 9 | 10 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 53 | 26.555 | | | 7 | 10 | 10 | ci | 250 | | | | | | | | | | | | 3 | 1 | .010 | | | 09-10 |
| 10 49 | 26.555 | | | 5 | 4 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 54 | 26.545 | | | 8 | 10 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 51 | 26.540 | | | 8 | 5 | 5 | ci | 250 | | | | | | | | | | | | 2 | 7 | .015 | | | 12-13 |
| 13 55 | 26.520 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.510 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.480 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | 7 | .060 | | | 15-16 |
| 16 50 | 26.490 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.500 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.510 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 18-19 |
| 19 50 | 26.520 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.540 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.550 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 50 | 26.550 | | | 13 | 3 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.550 | | | 15 | 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 0349 | | 0 | 0 | | 64 | 55 | | | | | | | | | | |
| | 0349 | 1 | 0 | 0 | 0 | 68 | 55 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 86 | 56 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 93 | 56 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 93 | 68 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 71 | 64 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0952 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSERVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.555 | 26.480 | 26.550 |
| BAROGRAPH 64 | 26.520 | 26.570 | 26.500 | 26.540 |
| BAR. CORR. 65 | ±0 | -.015 | -.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | 55 | 0 | 0 | 0 | 19 | SE | 1248 | | | | | 6 | 5 | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0431 SUNSET 1851

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: 0KSIP @ 0 Sec./ 1949 ± 0 Sec./ ± Sec.

0953P/55/1800P 6-1

SP=

RS=

## WEATHER & OBSTRUCTIONS TO VISION

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

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

## SURFACE WEATHER OBSERVATIONS

DATE MAY 25 1986

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 105 | 63 | 15 | 09 | 04 | | 995 | 400 | CH |
| SA | 0150 | CLR | 20 | | | 105 | 60 | 15 | 09 | 04 | | 995 | | CH |
| SA | 0250 | CLR | 20 | | | 103 | 64 | 16 | 12 | 04 | | 995 | | CH |
| SA | 0353 | CLR | 20 | | | 104 | 64 | 17 | 24 | 03 | | 996 | 400 59 RADAT 37140 | HS |
| SA | 0452 | 250-SCT | 20 | | | 110 | 60 | 16 | 02 | 06 | | 997 | | HS |
| SA | 0550 | CLR | 20 | | | 110 | 67 | 20 | 28 | 03 | | 998 | | HS |
| SA | 0652 | CLR | 20 | | | 108 | 78 | 20 | 05 | 10 | | 998 | 107 1001 | HS |
| SA | 0754 | CLR | 20 | | | 108 | 82 | 21 | 06 | 09 | | 998 | | HS |
| SA | 0852 | CLR | 20 | | | 105 | 87 | 21 | 34 | 04 | | 997 | | HS |
| SA | 0952 | CLR | 20 | | | 104 | 91 | 22 | 32 | 04 | | 996 | 805 1001 59 | HS |
| SA | 1051 | CLR | 20 | | | 100 | 95 | 26 | 23 | 04 | | 995 | | HS |
| SA | 1150 | CLR | 20 | | | 096 | 96 | 26 | 11 | 12 | | 994 | | HS |
| SA | 1252 | CLR | 20 | | | 088 | 97 | 28 | 21 | 06 | | 991 | 815 1001 | HS |
| SA | 1353 | 250-SCT | 20 | | | 080 | 97 | 29 | 29 | 06 | | 989 | | HS |
| SA | 1450 | 250-SCT | 20 | | | 075 | 97 | 27 | 21 | 08 | | 988 | | HS |
| SA | 1553 | 250-SCT | 20 | | | 075 | 98 | 25 | 25 | 08 | | 988 | 610 1001 99 RADAT | JC |
| / | | | | | | | | | | | | | 34140 | / |
| SA | 1654 | 250-BKN | 20 | | | 074 | 96 | 27 | 28 | 10 | | 987 | | JC |
| SA | 1755 | 250-BKN | 20 | | | 070 | 94 | 24 | 26 | 06 | | 987 | | JC |
| SA | 1854 | 250-BKN | 20 | | | 072 | 88 | 21 | 23 | 05 | | 988 | 500 1001 | JC |
| SA | 1952 | 250-SCT | 20 | | | 083 | 80 | 19 | 13 | 06 | | 990 | | JC |
| SA | 2055 | 250-SCT | 20 | | | 084 | 78 | 18 | 08 | 04 | | 991 | | JC |
| SA | 2153 | CLR | 20 | | | 085 | 73 | 18 | 04 | 03 | | 991 | 110 99 | JC |
| SA | 2255 | CLR | 20 | | | 083 | 72 | 18 | 02 | 06 | | 991 | | JC |
| SA | 2350 | CLR | 20 | | | 081 | 75 | 19 | 02 | 04 | | 991 | | JC |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIIii $i_R i_x hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 25 1986

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 | 26.550 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 50 | 26.550 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.550 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.550 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 52 | 26.560 | | | 18 | 2 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.570 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.570 | | | 11 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 1 | .020 | | | 06-07 |
| 07 54 | 26.570 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.560 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.555 | | | 8 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .015 | | | 09-10 |
| 10 51 | 26.545 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.535 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.510 | | | 9 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .045 | | | 12-13 |
| 13 53 | 26.490 | | | 9 | 2 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.480 | | | 8 | 5 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.480 | | | 8 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .030 | | | 15-16 |
| 16 54 | 26.470 | | | 9 | 6 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 53 | 26.470 | | | 8 | 8 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 54 | 26.480 | | | 9 | 9 | 9 | Ci | 250 | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 52 | 26.500 | | | 10 | 4 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 55 | 26.510 | | | 10 | 1 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.510 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 21-22 |
| 22 55 | 26.510 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.510 | | | 12 | 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 0351 | X | 0 | 0 | X | 64 | 59 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 71 | 59 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 91 | 60 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 99 | 91 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 98 | 73 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 76 | 71 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0352 | 0951 | 1552 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.550 | 26.555 | 26.480 | 26.510 |
| BAROGRAPH 64 | 26.550 | 26.565 | 26.490 | 26.510 |
| BAR. CORR. 65 | ±0 | +.010 | -.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 UNHLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Knts.) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 59 | 0 | 0 | 0 | 13 | SW | 1452 | | | | | 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 0430 SUNSET 1851

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: 0955P ⊕0 Sec./ 2145 ⊕0 Sec./ ± Sec.

SP=

RS=

MF1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 26 1986

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. SERIES INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 075 | 78 | 19 | 35 | 03 | | 990 | 803 | JC |
| SA | 0154 | CLR | 20 | | | 075 | 71 | 19 | 04 | 10 | | 989 | | JC |
| SA | 0250 | CLR | 20 | | | 075 | 71 | 20 | 05 | 08 | | 989 | | JC |
| SA | 0353 | CLR | 20 | | | 076 | 68 | 19 | 61 | 03 | | 989 | 603 68 RADAT 25141 | HS |
| SA | 0450 | CLR | 20 | | | 082 | 65 | 20 | 11 | 05 | | 990 | | HS |
| SA | 0550 | CLR | 20 | | | 084 | 69 | 22 | 11 | 03 | | 991 | | HS |
| SA | 0653 | CLR | 20 | | | 091 | 76 | 22 | 33 | 03 | | 993 | 212 | HS |
| SA | 0753 | CLR | 20 | | | 092 | 84 | 23 | 00 | 00 | | 993 | | HS |
| SA | 0851 | CLR | 20 | | | 087 | 88 | 25 | 24 | 07 | | 992 | | HS |
| SA | 0952 | CLR | 20 | | | 085 | 91 | 26 | 14 | 05 | | 991 | 803 65 | HS |
| SA | 1052 | CLR | 20 | | | 078 | 93 | 25 | 24 | 14 | | 989 | | HS |
| SA | 1154 | CLR | 20 | | | 070 | 96 | 27 | 24 | 13 | | 988 | | HS |
| SA | 1252 | CLR | 20 | | | 060 | 97 | 29 | 22 | 14 | | 986 | 717 | HS |
| SA | 1352 | CLR | 20 | | | 056 | 97 | 30 | 28 | 13 | | 983 | | HS |
| SA | 1452 | CLR | 20 | | | 049 | 97 | 30 | 23 | 12 | | 981 | 142 | HS |
| SA | 1553 | CLR | 20 | | | 050 | 92 | 29 | 23 | 12 | | 981 | 614 95 RADAT 33158 | JC |
| SA | 1654 | CLR | 20 | | | 049 | 96 | 27 | 26 | 09 | | 980 | | JC |
| SA | 1755 | CLR | 20 | | | 048 | 93 | 25 | 25 | 11 | | 980 | | JC |
| SA | 1853 | CLR | 20 | | | 046 | 89 | 23 | 24 | 06 | | 980 | 603 1001 | JC |
| SA | 1954 | CLR | 20 | | | 053 | 82 | 21 | 04 | 03 | | 982 | | JC |
| SA | 2055 | CLR | 20 | | | 053 | 79 | 17 | 04 | 03 | | 982 | | JC |
| SA | 2153 | CLR | 20 | | | 049 | 83 | 16 | 11 | 02 | | 982 | 102 98 | JC |
| SA | 2255 | CLR | 20 | | | 050 | 80 | 16 | 14 | 02 | | 982 | | JC |
| SA | 2354 | CLR | 20 | | | 046 | 77 | 15 | 06 | 03 | | 981 | | JC |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-784-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 26 1986

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 55 | 26.500 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 00-01 |
| 01 54 | 26.490 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.490 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.490 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 50 | 26.500 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.510 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.525 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 06-07 |
| 07 53 | 26.530 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.520 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.510 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 09-10 |
| 10 52 | 26.495 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 54 | 26.480 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.460 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | 7 | .050 | | | 12-13 |
| 13 52 | 26.440 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 52 | 26.420 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.420 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | 6 | .040 | | | 15-16 |
| 16 54 | 26.410 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.410 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.410 | | | 9 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 6 | .010 | | | 18-19 |
| 19 54 | 26.430 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 55 | 26.430 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.430 | | | 8 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 55 | 26.430 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 54 | 26.420 | | | 9 | 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 0351 | X | 0 | 0 | X | 78 | 68 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 78 | 68 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 91 | 65 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 98 | 90 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 97 | 79 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 83 | 77 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0951 | 1551 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.490 | 26.510 | 26.440 | 26.430 |
| BAROGRAPH 64 | 26.490 | 26.520 | 26.420 | 26.416 |
| BAR. CORR. 65 | 0 | -.010 | ±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 UNML TO (Ins.) 69 | MAX. DEPTH (Ins.) 70 | PEAK WIND: SPEED (Kts.) 71 | PEAK WIND: DIRECTION 72 | PEAK WIND: TIME (L.S.T.) 73 | THICK. OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.): TOP 75 | FROZEN GROUND LAYER (Ins.): BASE 76 | RIVER GAGE 77 | SKY COVER: MIN. SUN TO SUNSET 78 | SKY COVER: MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 65 | 0 | 0 | 0 | 22 | SW | 1504 | | | | | 0 | 0 | | |

## 99. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0430 SUNSET 1852

| 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: 0855P ⊗ 0 Sec./ 2131 ⊗ Sec./ ± Sec.

1852/1552

SP=

RS=

## WEATHER & OBSTRUCTIONS TO VISION

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

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 27 1986

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. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0056 | CLR | 20 | | | 040 | 81 | 19 | 30 | 06 | | 980 | 807 | JC |
| SA | 0155 | CLR | 20 | | | 042 | 77 | 18 | 07 | 05 | | 980 | | JC |
| SA | 0250 | CLR | 20 | | | 045 | 71 | 19 | 06 | 08 | | 980 | | JC |
| SA | 0354 | CLR | 20 | | | 051 | 68 | 19 | 17 | 03 | | 981 | 303 68 RADAT 40136 | HS |
| SA | 0453 | CLR | 20 | | | 057 | 65 | 20 | 05 | 03 | | 982 | | HS |
| SA | 0552 | CLR | 20 | | | 059 | 69 | 21 | 09 | 04 | | 983 | | HS |
| SA | 0652 | CLR | 20 | | | 057 | 79 | 23 | 00 | 00 | | 983 | 107 | HS |
| SA | 0751 | CLR | 20 | | | 056 | 84 | 22 | 25 | 03 | | 983 | | HS |
| SA | 0852 | CLR | 20 | | | 057 | 87 | 29 | 24 | 09 | | 983 | | HS |
| SA | 0955 | CLR | 20 | | | 055 | 89 | 29 | 24 | 09 | | 983 | 400 64 | HS |
| SA | 1052 | CLR | 20 | | | 046 | 92 | 28 | 19 | 05 | | 981 | | HS |
| SA | 1152 | CLR | 20 | | | 042 | 94 | 30 | 23 | 10 | | 980 | | HS |
| SA | 1252 | CLR | 20 | | | 036 | 96 | 29 | 25 | 07 | | 979 | 714 | HS |
| SA | 1350 | CLR | 20 | | | 029 | 98 | 28 | 17 | 11 | | 977 | | HS |
| SA | 1452 | CLR | 20 | | | 020 | 98 | 31 | 27 | 09 | | 974 | CU SE | HS |
| SA | 1553 | CLR | 20 | | | 022 | 97 | 31 | 25 | 06 | | 973 | 617 1100 99 RADAT 25143 | JC |
| SA | 1655 | CLR | 20 | | | 025 | 96 | 28 | 23 | 12 | | 973 | | JC |
| SA | 1758 | CLR | 20 | | | 028 | 94 | 27 | 24 | 11 | | 974 | | JC |
| SA | 1855 | CLR | 20 | | | 025 | 90 | 28 | 24 | 09 | | 974 | 203 1001 | JC |
| SA | 1954 | CLR | 20 | | | 028 | 86 | 29 | 22 | 05 | | 976 | | JC |
| SA | 2052 | CLR | 20 | | | 031 | 84 | 28 | 33 | 03 | | 977 | | JC |
| SA | 2153 | CLR | 20 | | | 028 | 82 | 28 | 30 | 04 | | 976 | 003 99 | JC |
| SA | 2254 | CLR | 20 | | | 035 | 80 | 28 | 27 | 06 | | 978 | | JC |
| SA | 2352 | CLR | 20 | | | 036 | 78 | 29 | 02 | 07 | | 978 | | JC |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 27 1986

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 55 | 26.410 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 00-01 |
| 01 55 | 26.410 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.410 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.420 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 53 | 26.430 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 52 | 26.440 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.440 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 06-07 |
| 07 51 | 26.440 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.440 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.440 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 09-10 |
| 10 52 | 26.420 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.410 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.400 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | 7 | .040 | | | 12-13 |
| 13 50 | 26.380 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 52 | 26.360 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.350 | | | 10 | 0 | 0 | CU | 20 | | | | | | | | | | | | 0 | 6 | .050 | | | 15-16 |
| 16 53 | 26.350 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.360 | | | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 55 | 26.360 | | | 11 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 2 | .010 | | | 18-19 |
| 19 54 | 26.370 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.380 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.370 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 21-22 |
| 22 54 | 26.390 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.390 | | | 17 | 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 0352 | X | 0 | 0 | X | 81 | 68 | X | X | | | | | | X | | |
| | 0352 | 1 | 0 | 0 | 0 | 83 | 68 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 90 | 64 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 99 | 89 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 96 | 80 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 84 | 78 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0353 | 0953 | 1550 | 2156 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSERVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.420 | 26.440 | 26.350 | 26.370 |
| BAROGRAPH 64 | 26.420 | 26.445 | 26.360 | 26.370 |
| BAR. CORR. 65 | ±0 | .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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 64 | 0 | 0 | 0 | 17 | 24 | 1703 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|

## REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0429 SUNSET 1853

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: 0920P ⊕0 Sec. / 2142P ⊕0 Sec. / ± Sec.

1/ LAST OF SEVERAL OCCURRANCES

SP=

RS=

MF1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 28 1986

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's-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (18) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 038 | 74 | 31 | 36 | 07 | | 979 | 110 | JC |
| SA | 0152 | CLR | 20 | | | 038 | 73 | 34 | 02 | 06 | | 979 | | JC |
| SA | 0250 | CLR | 20 | | | 043 | 73 | 34 | 35 | 08 | | 980 | | JC |
| SA | 0358 | CLR | 20 | | | 049 | 70 | 34 | 02 | 08 | | 981 | 307 69 RADAT 39144 | JC |
| SA | 0455 | CLR | 20 | | | 056 | 71 | 36 | 01 | 07 | | 983 | | DC |
| SA | 0550 | CLR | 20 | | | 060 | 72 | 37 | 00 | 00 | | 984 | | DC |
| SA | 0658 | CLR | 20 | | | 061 | 82 | 38 | 00 | 00 | | 986 | 114 | DC |
| SA | 0752 | CLR | 20 | | | 064 | 83 | 38 | 24 | 04 | | 986 | | DC |
| SA | 0856 | CLR | 20 | | | 061 | 86 | 40 | 22 | 06 | | 986 | | DC |
| SA | 0958 | CLR | 20 | | | 061 | 88 | 40 | 24 | 08 | | 986 | CU SE/ 400 1100 69 | DC |
| SA | 1057 | CLR | 20 | | | 059 | 91 | 38 | 24 | 10 | | 984 | TCU DSNT N FEW | DC |
| | | | | | | | | | | | | | CU OMTNS | |
| SA | 1152 | CLR | 20 | | | 055 | 94 | 37 | 23 | 11 | G17 | 983 | CB DSNT N FEW | DC |
| | | | | | | | | | | | | | CU OMTNS | |
| SA | 1252 | 250 SCT | 20 | | | 045 | 96 | 36 | 26 | 11 | G20 | 981 | CB DSNT N/815 1903 | DC |
| SA | 1355 | 250 - SCT | 20 | | | 035 | 97 | 35 | 25 | 14 | G20 | 978 | CU OMTNS | DC |
| SA | 1446 | 250 - BKN | 20 | | | 031 | 98 | 35 | 26 | 13 | G18 | 977 | CB DSNT NE CU | DC |
| | | | | | | | | | | | | | OMTNS | |
| SA | 1553 | 250 - OVC | 20 | | | 030 | 96 | 34 | 26 | 12 | G23 | 976 | CB E/615 1301 98 | JC |
| | | | | | | | | | | | | | RADAT 37145 | |
| SA | 1654 | 250 - OVC | 20 | | | 026 | 94 | 35 | 23 | 10 | | 974 | CB SE MOVG S | JC |
| SA | 1756 | 250 - OVC | 20 | | | 030 | 94 | 34 | 22 | 08 | | 976 | CB SE STNRY | JC |
| SA | 1853 | 20 SCT 250 - OVC | 20 | | | 044 | 90 | 38 | 12 | 14 | G21 | 980 | CB NE-SE STNRY | JC |
| | | | | | | | | | | | | | 314 1301 | |
| SA | 1955 | E80 BKN 250 OVC | 20 | | | 055 | 87 | 40 | 09 | 13 | G18 | 983 | CB OVHD | JC |
| SA | 2054 | 80 SCT E250 BKN | 20 | | | 058 | 84 | 40 | 12 | 10 | | 984 | ~~CB~~ | JC |
| SA | 2153 | E80 BKN 250 BKN | 20 | | | 058 | 84 | 40 | 14 | 10 | | 984 | 114 110198 | JC |
| SA | 2254 | 80 SCT | 20 | | | 059 | 78 | 39 | 35 | 04 | | 984 | | JC |
| SA | 2355 | 80 SCT | 20 | | | 058 | 76 | 39 | 34 | 07 | | 984 | | JC |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Iliii $i_R i_x hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-62) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 28 1986

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.400 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 00-01 |
| 01 51 | 26.400 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.410 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.420 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 03-04 |
| 04 55 | 26.440 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.450 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 58 | 26.460 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 06-07 |
| 07 52 | 26.460 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 56 | 26.460 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 58 | 26.460 | | | 19 | 0 | 0 | Cu | 70 | | | | | | | | | | | | 0 | 4 | .000 | | | 09-10 |
| 10 57 | 26.450 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.440 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.415 | | | 12 | 1 | 0 | CB | 70 | 1 | CI | 250 | 1 | | | | | | | | 1 | 8 | .045 | | | 12-13 |
| 13 55 | 26.390 | | | 12 | 2 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 46 | 26.380 | | | 11 | 7 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 53 | 26.370 | | | 11 | 10 | 0 | CB | 70 | 10 | Ci | 250 | 10 | | | | | | | | 2 | 6 | .045 | | | 15-16 |
| 16 54 | 26.360 | | | 13 | 10 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 56 | 26.370 | | | 12 | 10 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 53 | 26.440 | | | 16 | 10 | 5 | CB | 70 | 5 | Ci | 250 | 10 | | | | | | | | 4 | 3 | .080 | | | 18-19 |
| 19 55 | 26.440 | | | 19 | 10 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 54 | 26.450 | | | 21 | 8 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 53 | 26.450 | | | 21 | 7 | 6 | Cu | 480 | 1 | Ci | 250 | 7 | | | | | | | | 6 | 1 | .040 | | | 21-22 |
| 22 54 | 26.450 | | | 25 | 4 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 55 | 26.450 | | | 26 | 1 | | | | | | | | | | | | | | | 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 0351 | | 0 | 0 | | 78 | 69 | | | | | | | | | | |
| | 0351 | 1 | 0 | 0 | 0 | 84 | 69 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 89 | 69 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 98 | 58 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 97 | 84 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 84 | 76 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0954 | 1550 | 2151 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.420 | 26.460 | 26.370 | 26.450 |
| BAROGRAPH 64 | 26.420 | 26.460 | 26.370 | 26.448 |
| BAR. CORR. 65 | 0 | 0 | ±0 | +0.03 |

## 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 UNMELTD (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: MID-NIGHT TO MID-NIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 69 | 0 | 0 | 0 | 23 | W | 1549 | | | | | 3 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 99. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0429 SUNSET 1854

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 P ±0 Sec./ 2155P ±0 Sec./ ± Sec.

2052/2052

SP=

RS=

MF1-10A (5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 29 1986

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) | OP. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | CLR | 20 | | | 057 | 77 | 39 | 02 | 08 | | 984 | 400 1001 | JC |
| SA | 0157 | CLR | 20 | | | 058 | 74 | 39 | 09 | 06 | | 984 | | JC |
| SA | 0256 | CLR | 20 | | | 062 | 72 | 38 | 09 | 05 | | 986 | | JC |
| SA | 0358 | 250 - SCT | 20 | | | 065 | 71 | 39 | 11 | 03 | | 986 | 203 1001 70 | DC |
| | | | | | | | | | | | | | RADAT 62137 | |
| SA | 0453 | 250 - SCT | 20 | | | 074 | 68 | 38 | 00 | 00 | | 988 | AC SW | DC |
| SA | 0557 | 250 - SCT | 20 | | | 075 | 75 | 38 | 00 | 00 | | 989 | | DC |
| SA | 0655 | CLR | 20 | | | 079 | 79 | 39 | 00 | 00 | | 990 | 114 1072 | DC |
| SA | 0755 | CLR | 20 | | | 075 | 86 | 40 | 22 | 04 | | 990 | FEW CI | DC |
| SA | 0854 | 250 - SCT | 20 | | | 071 | 89 | 39 | 21 | 03 | | 989 | CU FRMG OVR MTNS | DC |
| SA | 0956 | 250 - SCT | 20 | | | 067 | 91 | 40 | 22 | 07 | | 988 | CU 1201 GR | DC |
| SA | 1055 | 250 - SCT | 20 | | | 066 | 93 | 39 | 24 | 06 | | 987 | CU ALQDS | DC |
| SA | 1156 | 80 SCT 250 - SCT | 20 | | | 061 | 95 | 38 | 20 | 11 | G16 | 986 | | DC |
| SA | 1254 | 80 SCT 250 - SCT | 20 | | | 052 | 96 | 37 | 31 | 08 | | 983 | 814 1201 | DC |
| SA | 1356 | 80 SCT 140 SCT E250 BKN | 20 | | | 046 | 98 | 35 | 25 | 11 | | 981 | TCU NW-N | DC |
| SA | 1457 | E 80 BKN 250 BKN | 20 | | | 040 | 97 | 36 | 23 | 10 | | 979 | CB VIRGA NW-E | DC |
| | | | | | | | | | | | | | MOVG S | |
| SA | 1555 | 80 SCT E250 BKN | 20 | | | 037 | 96 | 36 | 28 | 08 | | 978 | CB OVHD MOVG SE/717 | CRD |
| | | | | | | | | | | | | | 1301 99 RADAT 57141 | |
| SA | 1655 | 80 SCT 250 SCT | 20 | | | 036 | 94 | 36 | 26 | 10 | | 976 | CB E AND W MOVG S | CRD |
| SA | 1757 | 80 SCT 250 SCT | 20 | | | 030 | 94 | 36 | 25 | 09 | | 975 | CB E MOVG S | CRD |
| SA | 1858 | 80 SCT 250 SCT | 20 | | | 033 | 90 | 35 | 26 | 03 | | 976 | CB E/503 1903 | CRD |
| SA | 1950 | 80 SCT 250 SCT | 20 | | | 034 | 84 | 35 | 14 | 06 | | 978 | CB S OCNL LTG S | CRD |
| SA | 2055 | 80 SCT 250 SCT | 20 | | | 034 | 86 | 34 | 17 | 07 | | 978 | CB E FQT LTGICCG | CRD |
| SA | 2155 | 80 SCT 250 SCT | 20 | | | 041 | 82 | 34 | 16 | 08 | | 980 | CB E-SE FQT LTGICCG/210 | CRD |
| | | | | | | | | | | | | | 1903 99 | |
| SP | 2208 | E 80 BKN | 20 | | T | | | | 06 | 12G | 16 | 980 | T OVHD BOS MOVG S FQT | CRD |
| | | | | | | | | | | | | | LTGICCG | |
| SA | 2253 | 80 SCT E250 BKN | 20 | | T | 050 ~~042~~ | 83 | 44 | 10 | 10 | | 982 | T S MOVG S LTGICCG TB08 | CRD |
| SP | 2320 | 80 SCT 250 SCT | 20 | | | | | | 09 | 04 | | 983 | TE19 MOVD S OCNL LTGIC S | CRD |
| SA | 2354 | 80 SCT 250 SCT | 20 | | | 052 | 80 | 44 | 17 | 04 | | 983 | OCNL LTG SW TE19 | CRD |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: MAY 29 1986

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 55 | 26.450 | | | 26 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 57 | 26.450 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 56 | 26.460 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.460 | | | 31 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 1 | 2 | .010 | | | 03-04 |
| 04 53 | 26.480 | | | 33 | 2 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 57 | 26.490 | | | 26 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.500 | | | 24 | 0 | 0 | AC | 140 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 1 | .040 | | | 06-07 |
| 07 55 | 26.500 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.490 | | | 17 | 3 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 52 | 26.480 | | | 17 | 5 | 0 | Cu | 80 | 5 | Ci | 250 | 5 | | | | | | | | 1 | 8 | .020 | | | 09-10 |
| 10 55 | 26.470 | | | 15 | 3 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 56 | 26.460 | | | 14 | 2 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 54 | 26.440 | | | 13 | 4 | 1 | Cu | 80 | 3 | Ci | 250 | 4 | | | | | | | | 2 | 8 | .040 | | | 12-13 |
| 13 56 | 26.420 | | | 11 | 6 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 57 | 26.400 | | | 12 | 7 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 55 | 26.390 | | | 12 | 7 | 5 | CB | 80 | 2 | Ci | 250 | 7 | | | | | | | | 6 | 7 | .050 | | | 15-16 |
| 16 55 | 26.380 | | | 13 | 4 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 57 | 26.370 | | | 13 | 3 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 58 | 26.380 | | | 14 | 2 | 1 | CB | 80 | 1 | Ci | 250 | 2 | | | | | | | | 2 | 5 | .010 | | | 18-19 |
| 19 50 | 26.385 | | | 17 | 2 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 55 | 26.390 | | | 16 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 55 | 26.410 | | | 18 | 5 | 3 | CB | 80 | 2 | Ci | 250 | 5 | | | | | | | | 5 | 2 | .030 | | | 21-22 |
| 22 53 | 26.430 | | | 26 | 6 | | | | | | | | | | | | | | | 6 | | | | | 22-23 |
| 23 54 | 26.440 | | | 28 | 5 | | | | | | | | | | | | | | | 5 | | | | | 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 0350 | X | 0 | 0 | X | 77 | 70 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 84 | 70 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 91 | 68 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 99 | 91 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 97 | 81 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 87 | 80 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0950 | 1553 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.460 | 26.480 | 26.390 | 26.410 |
| BAROGRAPH 64 | 26.460 | 26.485 | 26.390 | 26.410 |
| BAR. CORR. 65 | 0 | -.005 | 0 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMELTED (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 DUR. HRS. TO SUNSET 78 | SKY COVER DUR. HRS. MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 68 | 0 | 0 | 0 | 17 | W | 1332 | | | | | 3 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| F | 2011 | 1511 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0428 SUNSET 1854

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: 1030 P ±0 Sec./ 2200 ±0 Sec./ ± Sec.

2253 / 2253

2253 / TD08 / 1800 6-2

2354 / TE19 / 1800 6-2

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-006/6069

MF1-10A (5-83)

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

## SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 30 1900

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 | 0053 | 80 SCT | 20 | | | 055 | 75 | 39 | 02 | 05 | | 983 | FQT LTGICCG SW/110 1900 | CRD |
| SA | 0150 | 80 SCT 250-SCT | 20 | | | 055 | 74 | 39 | 02 | 07 | | 983 | | CRD |
| SA | 0253 | 80 SCT | 20 | | | 062 | 74 | 39 | 03 | 08 | | 985 | | CRD |
| SA | 0358 | 80 SCT 120 SCT | 20 | | | 068 | 71 | 40 | 15 | 03 | | 987 | 310 1280 70 | DC |
| | | | | | | | | | | | | | RADAT 56136 | |
| SA | 0455 | 80 SCT | 20 | | | 071 | 73 | 41 | 05 | 03 | | 988 | | DC |
| SA | 0554 | 80 SCT | 20 | | | 071 | 73 | 44 | 30 | 04 | | 988 | | DC |
| SA | 0652 | E80 BKN | 20 | | | 071 | 80 | 42 | 24 | 03 | | 988 | 205 1200 | DC |
| SA | 0753 | 80 SCT | 20 | | | 074 | 87 | 35 | 04 | 12 | | 989 | | DC |
| SA | 0857 | 80 SCT | 20 | | | 067 | 90 | 32 | 05 | 10 | | 988 | TCU OMTNS SE | DC |
| SA | 0954 | 80 SCT | 20 | | | 067 | 93 | 36 | 02 | 07 | | 988 | TCU OMTNS SE | DC |
| | | | | | | | | | | | | | 802 1200 69 | |
| SA | 1055 | 80 SCT | 20 | | | 059 | 95 | 33 | 21 | 05 | | 986 | TCU OMTNS SE | DC |
| SA | 1156 | 80 SCT | 20 | | | 055 | 95 | 32 | 25 | 04 | | 984 | CB OMTNS SE | DC |
| SA | 1251 | 80 SCT | 20 | | | 050 | 97 | 30 | 35 | 05 | | 982 | CB SE DSIPTD | DC |
| | | | | | | | | | | | | | 717 1200 | |
| SA | 1355 | 80 SCT | 20 | | | 038 | 99 | 30 | 32 | 07 | | 979 | | DC |
| SA | 1455 | 80 SCT | 20 | | | 035 | 98 | 30 | 35 | 10 | | 978 | CB TCU S-W | DC |
| SA | 1552 | 80 SCT | 20 | | | 028 | 100 | 32 | 06 | 08 | | 975 | TRO 1200 00 RADAT 43144 | CRD |
| SA | 1650 | 80 SCT | 20 | | | 028 | 97 | 29 | 03 | 12 | | 975 | | CRD |
| SA | 1750 | 80 SCT | 20 | | | 028 | 97 | 28 | 04 | 10 | | 975 | | CRD |
| SA | 1852 | CLR | 20 | | | 025 | 92 | 26 | 07 | 07 | | 975 | 802 1100 | CRD |
| SA | 1953 | CLR | 20 | | | 032 | 84 | 24 | 12 | 08 | | 976 | | CRD |
| SA | 2052 | CLR | 20 | | | 039 | 79 | 24 | 04 | 05 | | 978 | | CRD |
| SA | 2152 | CLR | 20 | | | 039 | 78 | 25 | 12 | 03 | | 979 | 212 00 | CRD |
| SA | 2252 | CLR | 20 | | | 037 | 80 | 31 | 03 | 07 | | 979 | | CRD |
| SA | 2351 | CLR | 20 | | | 045 | 78 | 36 | 05 | 05 | | 981 | | CRD |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic 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$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: MAY 30 1980

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 53 | 26.440 | | | 27 | 1 | 1 | CB | 80 | | | | | | | | | | | | 1 | 1 | .030 | | | 00-01 |
| 01 50 | 26.440 | | | 28 | 2 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 53 | 26.460 | | | 28 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 58 | 26.470 | | | 33 | 4 | 1 | Cu | 80 | 3 | AC | 120 | 4 | | | | | | | | 4 | 3 | .030 | | | 03-04 |
| 04 55 | 26.480 | | | 32 | 5 | | | | | | | | | | | | | | | 5 | | | | | 04-05 |
| 05 54 | 26.480 | | | 35 | 5 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 52 | 26.485 | | | 26 | 6 | 6 | Cu | E80 | | | | | | | | | | | | 6 | 2 | .015 | | | 06-07 |
| 07 53 | 26.490 | | | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 57 | 26.480 | | | 13 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 54 | 26.480 | | | 14 | 2 | 2 | Cu | 80 | | | | | | | | | | | | 2 | 8 | .005 | | | 09-10 |
| 10 55 | 26.46[illegible] | | | 11 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 56 | 26.450 | | | 11 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 51 | 26.430 | | | 9 | 1 | 1 | Cu | 80 | | | | | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 55 | 26.400 | | | 9 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 55 | 26.390 | | | 9 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 52 | 26.370 | | | 9 | 1 | 1 | Cu | 80 | | | | | | | | | | | | 1 | 7 | .060 | | | 15-16 |
| 16 50 | 26.370 | | | 9 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.370 | | | 9 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 52 | 26.365 | | | 9 | 0 | 0 | Cu | 80 | | | | | | | | | | | | 0 | 8 | .005 | | | 18-19 |
| 19 53 | 26.380 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.390 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.400 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 21-22 |
| 22 52 | 26.400 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.420 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 61 | TIME (L.S.T.) 62 | NO. 63 | 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 0351 | X | 0 | 0 | X | 80 | 70 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 87 | 70 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 93 | 69 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 100 | 92 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 100 | 78 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 81 | 76 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0355 | 0952 | 1551 | 2151 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.470 | 26.480 | 26.370 | 26.400 |
| BAROGRAPH 64 | 26.470 | 26.480 | 26.375 | 26.400 |
| BAR. CORR. 65 | 0 | 0 | -.005 | 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 MID-NIGHT TO MID-NIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 69 | 0 | 0 | 0 | 19 | NW | 1400 | | | | | 2 | 2 | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0428 SUNSET 1855

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 P ± 0 Sec./ 2100 ± 0 Sec./ ± Sec.

1852/2252
1853/2252
1852/2252
2252/2252

SP=

RS=

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

MF1-10A
(5-83)

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

STATION WSMO, DESERT ROCK NEVADA

DATE MAY 31 1966

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 044 | 78 | 28 | 12 | 04 | | 981 | 107 | CRD |
| SA | 0150 | CLR | 20 | | | 045 | 76 | 32 | 12 | 03 | | 981 | | CRD |
| SA | 0254 | CLR | 20 | | | 050 | 72 | 33 | 05 | 04 | | 982 | | CRD |
| SA | 0358 | CLR | 20 | | | 055 | 72 | 41 | 13 | 04 | | 983 | 307 1081 70 RADAT | DC |
| | | | | | | | | | | | | | 49140 | |
| SA | 0456 | 80 SCT 250 SCT | 20 | | | 063 | 68 | 36 | 11 | 04 | | 985 | | DC |
| SA | 0554 | CLR | 20 | | | 064 | 74 | 42 | 33 | 03 | | 986 | Cu CI SW | DC |
| SA | 0655 | CLR | 20 | | | 070 | 80 | 45 | 26 | 03 | | 988 | 214 1202 | DC |
| SA | 0751 | CLR | 20 | | | 071 | 83 | 46 | 00 | 00 | | 988 | Cu CI SW | DC |
| SA | 0854 | CLR | 20 | | | 069 | 86 | 45 | 25 | 04 | | 987 | | DC |
| SA | 0950 | CLR | 20 | | | 068 | 89 | 45 | 22 | 07 | | 987 | 703 1200 67 | DC |
| SA | 1050 | CLR | 20 | | | 061 | 91 | 44 | 26 | 05 | | 986 | FEW Cu OMTNS | DC |
| SA | 1150 | CLR | 20 | | | 055 | 94 | 45 | 22 | 04 | | 983 | Cu TCu OMTNS | DC |
| SA | 1256 | 80 SCT | 20 | | | 044 | 95 | 43 | 20 | 10 | | 981 | CB TCu ALQDS | DC |
| | | | | | | | | | | | | | 819 1900 | |
| SA | 1355 | 80 SCT | 20 | | | 031 | 96 | 41 | 26 | 05 | | 977 | CB TCu ALQDS MOVG | DC |
| | | | | | | | | | | | | | S | |
| SA | 1446 | 80 SCT | 20 | | | 024 | 98 | 40 | 27 | 09 | | 974 | CB ALQDS MOVG S | DC |
| SA | 1551 | 80 SCT 250 SCT | 20 | | | 022 | 94 | 39 | 25 | 12 | | 973 | CB OVHD ALQDS MOVG S | CRD |
| | | | | | | | | | | | | | 222 1903 99 RADAT 60142 | |
| SA | 1652 | 80 SCT 250-~~SCT~~ BKN | 20 | | RW- | 024 | 90 | 46 | 24 | 07 | | 972 | CB OVHD E-SW RB 27 | CRD |
| SA | 1753 | 100 SCT 250 SCT | 20 | | | 016 | 93 | 38 | 25 | 08 | | 971 | CB S RE01 | CRD |
| SA | 1852 | 100 SCT 250-BKN | 20 | | | 017 | 91 | 34 | 21 | 11 | | 972 | 50301 1201 | CRD |
| SA | 1952 | 100 SCT 250-BKN | 20 | | | 021 | 86 | 34 | 36 | 10 | | 973 | | CRD |
| SA | 2050 | 250-BKN | 20 | | | 033 | 83 | 35 | 01 | 06 | | 976 | | CRD |
| SA | 2152 | 250-BKN | 20 | | | 038 | 80 | 40 | 36 | 02 | | 978 | 21701 1001 99 | CRD |
| SA | 2250 | 250 SCT | 20 | | | 033 | 79 | 40 | 33 | 03 | | 976 | FQT LTG NE-SE | CRD |
| SA | 2351 | 80 SCT 250 SCT | 20 | | | 037 | 78 | 40 | 12 | 05 | | 978 | CB E-S LTGICCG | CRD |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: Iiiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10 A (1-62) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-006/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: W3MO, DESERT ROCK NEVADA

DATE: MAY 31 1986

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.420 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 00-01 |
| 01 50 | 26.420 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 57 | 26.425 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.440 | | | 33 | 0 | 0 | AC | 120 | 0 | CI | 250 | 0 | | | | | | | | 0 | 3 | .020 | | | 03-04 |
| 04 56 | 26.455 | | | 31 | 1 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 54 | 26.465 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.480 | | | 29 | 0 | 0 | Cu | 80 | 0 | CI | 250 | 0 | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 51 | 26.480 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.470 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.470 | | | 22 | 0 | 0 | Cu | 80 | | | | | | | | | | | | 0 | 7 | .010 | | | 09-10 |
| 10 50 | 26.460 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.440 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 56 | 26.415 | | | 17 | 1 | 1 | CB | 80 | | | | | | | | | | | | 1 | 8 | .055 | | | 12-13 |
| 13 55 | 26.380 | | | 15 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 46 | 26.360 | | | 14 | 5 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 51 | 26.350 | | | 15 | 5 | 4 | CB | 80 | 1 | Ci | 250 | 5 | | | | | | | | 5 | 2 | .065 | | | 15-16 |
| 16 52 | 26.340 | | | 22 | 7 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 53 | 26.330 | | | 15 | 4 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 52 | 26.340 | | | 13 | 8 | 2 | Cu | 100 | 6 | Ci | 250 | 8 | | | | | | | | 4 | 5 | .010 | | | 18-19 |
| 19 52 | 26.350 | | | 16 | 8 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 50 | 26.380 | | | 18 | 8 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 52 | 26.390 | | | 24 | 7 | 7 | Ci | 250 | | | | | | | | | | | | 3 | 2 | .050 | | | 21-22 |
| 22 50 | 26.390 | | | 25 | 3 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 51 | 26.390 | | | 26 | + | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 80 | 70 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 81 | 70 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 89 | 67 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 99 | 88 | | 0 | | | | | | | | |
| | 2149 | 4 | .01 | 0 | 0 | 95 | 80 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 80 | 73 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0949 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSERVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.440 | 26.470 | 26.350 | 26.390 |
| BAROGRAPH 64 | 26.435 | 26.475 | 26.350 | 26.385 |
| BAR. CORR. 65 | +.005 | -.005 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 67 | .01 | 0 | 0 | 17 | SW | 1220 | | | | | 2 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 86 | ENDED 87 |
|---|---|---|---|---|---|
| RW- | 1627 | 1701 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0427 SUNSET 1856

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

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

TIME CHECK-CLOCK AT: 1100P ±0 Sec./ 1855P ±0 Sec./ ± Sec.

1652/1652

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆ U.S.GPO:1983-0-764-006/6069