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: October

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 | 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 | 2 | 3 | 4 | 5 | 6a | 6b | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 75 | 49 | 62 | | 3 | 0 | T | 0 | 0 | 8.3 | 38 | S | 26.27 | | 2 | RW- | 35 | 29 | 23 | 52 |
| 2 | 54 | 46 | 50 | | 15 | 0 | 0.67 | 0 | 0 | 5.2 | 12 | NE | 26.33 | | 10 | R-, RW- | 78 | 90 | 80 | 74 |
| 3 | 70 | 48 | 59 | | 6 | 0 | 0 | 0 | 0 | 6.6 | 13 | NE | 26.58 | | 5 | | 78 | 39 | 29 | 53 |
| 4 | 73 | 50 | 62 | | 3 | 0 | 0 | 0 | 0 | 9.8 | 24 | NE | 26.70 | | 0 | | 49 | 27 | 18 | 36 |
| 5 | 78 | 51 | 65 | | 0 | 0 | 0 | 0 | 0 | 7.2 | 22 | E | 26.66 | | 1 | | 47 | 27 | 19 | 27 |
| 6 | 79 | 56 | 68 | | 0 | 3 | 0 | 0 | 0 | 7.8 | 18 | E | 26.67 | | 3 | | 44 | 31 | 24 | 52 |
| 7 | 83 | 53 | 68 | | 0 | 3 | 0 | 0 | 0 | 4.0 | 14 | NE | 26.63 | | 1 | | 64 | 27 | 24 | 48 |
| 8 | 84 | 52 | 68 | | 0 | 3 | 0 | 0 | 0 | 4.5 | 14 | SW | 26.60 | | 1 | | 57 | 25 | 17 | 38 |
| 9 | 77 | 54 | 66 | | 0 | 1 | T | 0 | 0 | 8.0 | 29 | SW | 26.60 | | 7 | T, RW- | 47 | 25 | 39 | 62 |
| 10 | 73 | 53 | 63 | | 2 | 0 | 0 | 0 | 0 | 6.8 | 21 | SW | 26.49 | | 4 | | 74 | 60 | 43 | 58 |
| 11 | 68 | 47 | 58 | | 7 | 0 | 0 | 0 | 0 | 11.4 | 29 | NE | 26.51 | | 0 | | 44 | 21 | 12 | 28 |
| 12 | 66 | 43 | 55 | | 10 | 0 | 0 | 0 | 0 | 9.4 | 22 | NE | 26.68 | | 0 | | 34 | 19 | 10 | 17 |
| 13 | 74 | 39 | 57 | | 8 | 0 | 0 | 0 | 0 | 3.2 | 12 | N | 26.76 | | 0 | | 31 | 14 | 11 | 20 |
| 14 | 80 | 40 | 60 | | 5 | 0 | 0 | 0 | 0 | 3.5 | 14 | SW | 26.72 | | 0 | | 37 | 11 | 12 | 22 |
| 15 | 78 | 41 | 60 | | 5 | 0 | 0 | 0 | 0 | 4.9 | 16 | SE | 26.69 | | 5 | | 26 | 11 | 12 | 17 |
| 16 | 79 | 43 | 61 | | 4 | 0 | 0 | 0 | 0 | 4.2 | 20 | SW | 26.64 | | 0 | | 39 | 18 | 16 | 37 |
| 17 | 73 | 48 | 61 | | 4 | 0 | 0 | 0 | 0 | 8.3 | 32 | SW | 26.52 | | 6 | | 40 | 24 | 21 | 39 |
| 18 | 63 | 47 | 55 | | 10 | 0 | T | 0 | 0 | 8.1 | 20 | W | 26.51 | | 4 | R- | 54 | 41 | 41 | 64 |
| 19 | 61 | 45 | 53 | | 12 | 0 | 0.28 | 0 | 0 | 7.0 | 17 | NE | 26.58 | | 8 | R-, RW- | 86 | 59 | 51 | 89 |
| 20 | 64 | 43 | 54 | | 11 | 0 | 0.07 | 0 | 0 | 5.7 | 13 | NE | 26.67 | | 2 | RW- | 93 | 57 | 43 | 77 |
| 21 | 69 | 41 | 55 | | 10 | 0 | 0 | 0 | 0 | 9.4 | 13 | NE | 26.63 | | 0 | | 83 | 41 | 30 | 63 |
| 22 | 73 | 44 | 59 | | 6 | 0 | 0 | 0 | 0 | 5.5 | 15 | NE | 26.56 | | 6 | | 77 | 39 | 24 | 59 |
| 23 | 75 | 46 | 61 | | 4 | 0 | 0 | 0 | 0 | 3.8 | 13 | SW | 26.63 | | 2 | | 74 | 31 | 24 | 49 |
| 24 | 77 | 44 | 61 | | 4 | 0 | 0 | 0 | 0 | 2.5 | 10 | NE | 26.75 | | 1 | | 70 | 24 | 17 | 49 |
| 25 | 81 | 47 | 64 | | 1 | 0 | 0 | 0 | 0 | 3.0 | 13 | N | 26.76 | | 0 | | 50 | 22 | 17 | 38 |
| 26 | 79 | 49 | 64 | | 1 | 0 | 0 | 0 | 0 | 4.5 | 13 | SE | 26.73 | | 6 | | 52 | 25 | 19 | 43 |
| 27 | 81 | 48 | 65 | | 0 | 0 | 0 | 0 | 0 | 3.7 | 21 | SW | 26.69 | | 0 | | 50 | 25 | 16 | 44 |
| 28 | 76 | 47 | 62 | | 3 | 0 | 0 | 0 | 0 | 3.3 | 14 | SE | 26.73 | | 7 | | 54 | 24 | 21 | 37 |
| 29 | 80 | 52 | 66 | | 0 | 1 | 0 | 0 | 0 | 6.7 | 21 | SW | 26.68 | | 5 | | 51 | 34 | 19 | 26 |
| 30 | 74 | 58 | 66 | | 0 | 1 | 0 | 0 | 0 | 11.0 | 26 | S | 26.52 | | 10 | | 28 | 28 | 27 | 39 |
| 31 | 66 | 48 | 57 | | 8 | 0 | 0 | 0 | 0 | 9.5 | 25 | N | 26.58 | | 2 | | 29 | 30 | 17 | 35 |
| SUM | 2283 | 1472 | — | — | 142 | 12 | 1.02 | 0.0 | — | 191.8 | — | — | 825.07 | — | 98 | — | 1695 | 978 | 776 | 1402 |
| AVG | 73.6 | 47.5 | — | — | — | — | — | — | — | 6.2 | FASTEST | DIRECTION | 26.62 | % | 3.2 | — | 54 | 32 | 25 | 45 |
| | | | | | | | | | | MISC. → | 38 | S | | | | | | | | |

## TEMPERATURE DATA

AVERAGE MONTHLY 60.6

DEPARTURE FROM NORMAL -3.2

HIGHEST 84 ON 8

LOWEST 39 ON 13

NUMBER OF DAYS WITH –

MAX. 32° OR BELOW 0

MAX. 90° OR ABOVE 0

MIN. 32° OR BELOW 0

MIN. 0° OR BELOW 0

HEATING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 142

DEPARTURE FROM NORMAL 21

SEASONAL TOTAL 205

DEPARTURE FROM NORMAL 69

COOLING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 12

DEPARTURE FROM NORMAL -76

SEASONAL TOTAL 2125

DEPARTURE FROM NORMAL -27

## PRECIPITATION DATA

TOTAL FOR THE MONTH 1.02 IN.

DEPARTURE FROM NORMAL 0.82 IN.

GREATEST IN 24 HRS. 0.67 ON 2

SNOWFALL, ICE PELLETS

TOTAL FOR THE MONTH 0 IN.

GREATEST IN 24 HRS. ____ ON ____

GREATEST DEPTH ON GROUND ____ ON ____

## WEATHER

NUMBER OF DAYS –

CLEAR (Scale 0–3) 18

PARTLY CLOUDY (Scale 4–7) 10

CLOUDY (Scale 8–10) 3

WITH 0.01 INCH OR MORE PRECIP. 3

WITH 0.10 INCH OR MORE PRECIP. 2

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. 26.830 IN. ON 25

LOWEST stn. 26.165 IN. ON 1

WS FORM F-6 SUPERSEDES WS FORM F-5 (9-74) WHICH SHOULD BE USED UNTIL EXISTING STOCK IS DEPLETED.

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

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: OCT 1 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) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0065 | CLR | 20 | | | 041 | 57 | 22 | 06 | 08 | | 974 | 719 | SEA |
| SA | 0155 | CLR | 20 | | | 040 | 53 | 24 | 00 | 00 | | 973 | | SEA |
| SA | 0254 | CLR | 20 | | | 038 | 51 | 24 | 00 | 00 | | 972 | | SEA |
| SA | 0353 | CLR | 20 | | | 030 | 51 | 24 | 02 | 05 | | 970 | 812 50 RAOAT 21124 | EP |
| SA | 0451 | CLR | 20 | | | 033 | 55 | 27 | 02 | 09 | | 971 | | EP |
| SA | 0550 | CLR | 20 | | | 038 | 52 | 29 | 03 | 08 | | 971 | | EP |
| SA | 0652 | CLR | 20 | | | 037 | 60 | 35 | 36 | 05 | | 971 | 105 | EP |
| SA | 0753 | CLR | 20 | | | 037 | 63 | 36 | 34 | 04 | | 972 | | EP |
| SA | 0853 | CLR | 20 | | | 033 | 68 | 34 | 23 | 10 | | 970 | | EP |
| SA | 0954 | CLR | 20 | | | 027 | 69 | 35 | 26 | 07 | | 969 | 808 49 | EP |
| SA | 1054 | CLR | 20 | | | 025 | 70 | 34 | 23 | 12 | | 968 | FEW CU NW | EP |
| SA | 1154 | CLR | 20 | | | 015 | 71 | 34 | 21 | 08 | | 965 | FEW CU | EP |
| SA | 1252 | ~~CLR~~ 80 SCT | 20 | | | 999 | 73 | 33 | 23 | 16 | G25 | 961 | 824 1100 | EP |
| SA | 1354 | 80 SCT | 20 | | | 993 | 72 | 33 | 27 | 14 | | 959 | | EP |
| SA | 1450 | 80 SCT | 20 | | | 992 | 71 | 30 | 20 | 10 | | 958 | | EP |
| SA | 1551 | E80 BKN E90 BKN | CU | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] | VIRGA [illegible] CU [illegible] | SEA |
| / | / | | | | | | | | | | | / | 75 RADAT 57099 | / |
| SP | 1630 | E90 BKN 250 BKN | 20 | | RW- | | | | 31 | 21 | G29 | 955 | WSHFT 25 RB23 | SEA |
| SA | 1656 | E80 BKN | 20 | | | 980 | 68 | 33 | 30 | 09 | G20 | 955 | WSHFT 25 RB23E48 VIRGA | SEA |
| / | / | | | | | | | | | | | / | N AND S | / |
| SP | 1715 | E80 BKN | 20 | | RW- | | | | 20 | 16 | G27 | 956 | WSHFT 14 (FIB1) | SEA |
| SP | 1716 | E80 BKN | 20 | | RW- | | | | 17 | 20 | G38 | 956 | WSHFT 14 RB 14 | SEA |
| SA | 1754 | E90 OVC | 20 | | RW- | 976 | 66 | 31 | 18 | 10 | G24 | 953 | WSHFT 14* VIRGA/RWU ALQDS | SEA |
| / | / | | * PK WND | | 1738/16 (CK 0805) | | | | / | WND 15V21 | | | FEW SMC BINOVC RB14E25B4B | / |
| SP | 1808 | 55 SCT E90 OVC | 20 | | | | | | 24 | 15 | G19 | 956 | WSHFT 08 VIRGA/RWU ALQDS | SEA |
| SA | 1855 | E90 BKN | 20 | | | 991 | 61 | 38 | 32 | 11 | | 958 | WSHFT 08 TRQFPA RB08YBE01 | SEA |
| / | / | | | | | | | | | | | / | 30700 +05 1500 | / |
| SA | 1955 | 90 SCT | 20 | | | 991 | 60 | 38 | 36 | 09 | | 958 | OCNL LTG DSNT NE-E GIRDL | SEA |
| / | / | | | | | | | | | | | / | VRNS WND | / |
| SA | 2055 | 90 SCT | 20 | | | 993 | 57 | 38 | 03 | 04 | | 959 | | SEA |
| SA | 2156 | E90 BKN | 20 | | | 993 | 57 | 39 | 06 | 13 | G16 | 959 | 10300 1500 75 | SEA |
| SA | 2255 | E85 OVC | 20 | | | 992 | 57 | 40 | 07 | 11 | | 959 | 81NOVC SW | SEA |
| SA | 2356 | E90 BKN | 20 | | | 993 | 58 | 40 | 04 | 08 | | 959 | | 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 $i_R i_x h$VV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ $8N_hC_LC_MC_H$ 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: OCT 1 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 | 26.355 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | 7 | .055 | | | 00-01 |
| 01 55 | 26.345 | | | 32 | 0 | | | | | | | | | | | | | | | | | | | | 01-02 |
| 02 54 | 26.340 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.320 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 03-04 |
| 04 51 | 26.330 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | 8 | .035 | | | 04-05 |
| 05 50 | 26.335 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.335 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 06-07 |
| 07 53 | 26.340 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | 1 | .015 | | | 07-08 |
| 08 53 | 26.325 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.310 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 09-10 |
| 10 54 | 26.300 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 8 | .025 | | | 10-11 |
| 11 54 | 26.280 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.240 | | | 23 | 1 | 1 | CU | 80 | | | | | | | | | | | | 1 | 8 | .070 | | | 12-13 |
| 13 54 | 26.220 | | | 24 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.210 | | | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 59 | 26.190 | | | 23 | 7 | 7 | CU | E80 | 0 | CI | 250 | 7 | | | | | | | | 7 | 7 | .050 | | | 15-16 |
| 16 56 | 26.180 | | | 27 | 8 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 54 | 26.165 | | | 26 | 10 | | | | | | | | | | | | | | | 9 | | | | | 17-18 |
| 18 55 | 26.210 | | | 43 | 6 | 6 | SC | E90 | | | | | | | | | | | | 6 | 3 | .020 | | | 18-19 |
| 19 55 | 26.210 | | | 44 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 55 | 26.220 | | | 49 | 4 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 56 | 26.220 | | | 52 | 9 | 9 | SC | E90 | | | | | | | | | | | | 9 | 1 | .010 | | | 21-22 |
| 22 55 | 26.220 | | | 53 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 56 | 26.220 | | | 58 | 7 | | | | | | | | | | | | | | | 7 | | | | | 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 | X | 0 | 0 | X | 57 | 50 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 58 | 50 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 69 | 49 | | 0 | | | | | | | | |
| | 1555 | 3 | 0 | 0 | 0 | 75 | 69 | | 0 | | | | | | | | |
| | 2155 | 4 | T | 0 | 0 | 71 | 57 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 57 | 54 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0953 | 1557 | 2156 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.320 | 26.310 | 26.190 | 26.220 |
| BAROGRAPH 64 | 26.310 | 26.300 | 26.170 | 26.210 |
| BAR. CORR. 65 | +.010 | +.010 | +.020 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 49 | T | 0 | 0 | 38 | S | 1716 | | | | | 2 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1623 | 1648 | | | |
| RW- | 1714 | 1725 | | | |
| RW- | 1748 | 1801 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 05:39 SUNSET 17:29

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 FIRST LLULR AT: 03:52 ± 0 SEC. / 1252 ± 0 SEC. / 1254 ± 0 SEC.

1252/1252

1855/1854

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 NEVADA

DATE: OCT 02 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. INDICATORS (16) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | M75 BKN | 20 | | | 992 | 54 | 40 | 04 | 07 | | 959 | OCNL LTG DSNT E / 400 1500 | SEA |
| SA | 0154 | M75 BKN | 20 | | | 993 | 53 | 39 | 34 | 06 | | 959 | | SEA |
| SA | 0251 | M55 OVC | 20 | | | 992 | 53 | 39 | 16 | 03 | | 959 | | SEA |
| SA | 0358 | M41 OVC | 10 | | RW- | 003 | 51 | 44 | 21 | 07 | | 961 | RB39 30700 15// 51 | MR |
| | | | | | | | | | | | | | RAHAT 95084 | |
| RS | 0453 | M9 BKN 45 OVC | 10 | | R- | 014 | 47 | 46 | 22 | 09 | | 963 | | MR |
| SA | 0554 | M8 BKN 41 OVC | 5 | | R | 022 | 46 | 46 | 23 | 04 | | 965 | | MR |
| SA | 0656 | M6 BKN 13 BKN 36 OVC | 7 | | R | 034 | 47 | 47 | 23 | 04 | | 968 | 32028 +7H 172/ | MR |
| SP | 0711 | 6 SCT 13 SCT M38 OVC | 7 | | R | | | | 28 | 05 | | 968 | | MR |
| SA | 0752 | 7 SCT M38 OVC | 7 | | R | 041 | 46 | 46 | 00 | 00 | | 970 | | MR |
| SA | 0853 | 7 SCT E40 OVC | 10 | | R- | 048 | 47 | 45 | 32 | 02 | | 971 | | MR |
| SA | 0955 | 7 SCT 15 SCT E40 OVC | 20 | | R- | 045 | 49 | 46 | 00 | 00 | | 971 | 11054 172/ 46 | MR |
| SA | 1052 | 12 SCT E50 OVC | 20 | | | 045 | 51 | 44 | 00 | 00 | | 971 | RE26 | MR |
| SA | 1152 | 15 SCT E45 BKN 60 OVC | 20 | | RW- | 046 | 51 | 47 | 26 | 02 | | 971 | RB43 | MR |
| SA | 1256 | 20 SCT E45 OVC | 20 | | RW- | 041 | 53 | 46 | 00 | 00 | | 970 | 80300 15// | MR |
| SA | 1356 | 20 SCT E45 BKN 65 OVC | 20 | | RW- | 041 | 54 | 45 | 03 | 08 | | 970 | | MR |
| SA | 1453 | 25 SCT E 70 OVC | 20 | | | 047 | 53 | 45 | 05 | 05 | | 971 | ~~OCNL RW-~~ RE50 | MR |
| SA | 1555 | 25 SCT M45 BKN 70 OVC | 20 | | RW- | 049 | 54 | 48 | 02 | 07 | | 972 | TCU SE RB05E23B35 | ~~44~~ |
| — | — | | | | | | | | | | | | 30510 122/ 54 TTADAT | — |
| — | — | | | | | | | | | | | | 92081 | — |
| SA | 1657 | M45 BKN 70 OVC | 20 | | | 055 | 54 | 45 | 03 | 09 | | 973 | RE15 | ~~44~~ |
| SA | 1750 | E45 BKN 70 OVC | 15 | | RW- | 066 | 52 | 48 | 03 | 08 | | 976 | RB30 | ~~44~~ |
| SA | 1856 | M45 OVC | 20 | | | 069 | 52 | 47 | 05 | 09 | | 977 | RE17 / 21503 14// | ~~44~~ |
| SA | 1957 | 45 SCT M65 OVC | 20 | | | 077 | 53 | 47 | 04 | 08 | | 979 | | ~~44~~ |
| SA | 2057 | M65 OVC | 20 | | | 081 | 53 | 45 | 05 | 09 | | 980 | | ~~44~~ |
| SA | 2150 | M70 OVC | 20 | | | 083 | 53 | 45 | 03 | 05 | | 981 | 11403 14// 57 | ~~44~~ |
| SA | 2257 | M70 BKN | 20 | | | 086 | 53 | 43 | 06 | 06 | | 982 | | ~~44~~ |
| SA | 2355 | 70 SCT | 20 | | | 087 | 51 | 44 | 08 | 07 | | 982 | | ~~44~~ |

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 NEVADA

DATE: OCT 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 56 | 26.220 | | | 58 | 9 | 9 | SC | M75 | | | | | | | | | | | | 9 | 4 | .090 | | | 00-01 |
| 01 54 | 26.220 | | | 58 | 9 | | | | | | | | | | | | | | | 9 | | | | | 01-02 |
| 02 51 | 26.220 | | | 58 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 58 | 26.240 | | | 78 | 10 | 10 | SC | M41 | | | | | | | | | | | | 10 | 3 | .020 | | | 03-04 |
| 04 53 | 26.260 | | | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 54 | 26.275 | | | 100 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 56 | 26.300 | | | 99 | 10 | 7 | STRA | M6 | 1 | STRA | 13 | 8 | 2 | NS | 36 | 10 | | | | 10 | 3 | .060 | | | 06-07 |
| 07 52 | 26.315 | | | 97 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 53 | 26.330 | | | 94 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 55 | 26.330 | | | 90 | 10 | 1 | STRA | 7 | 1 | STRA | 15 | 2 | 10 | NS | E40 | 10 | | | | 10 | 1 | .030 | | | 09-10 |
| 10 52 | 26.330 | | | 78 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 52 | 26.330 | | | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 56 | 26.320 | | | 77 | 10 | 0 | CUFRA | 12 | 1 | SC | 20 | 1 | 10 | SC | E45 | 10 | | | | 10 | 8 | .010 | | | 12-13 |
| 13 56 | 26.320 | | | 70 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 53 | 26.330 | | | 74 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 53 | 26.335 | | | 80 | 10 | 2 | CUFRA | 25 | 5 | CU | M45 | 7 | 3 | AS | 70 | 10 | | | | 9 | 3 | .015 | | | 15-16 |
| 16 57 | 26.345 | | | 72 | 10 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 50 | 26.370 | | | 86 | 10 | | | | | | | | | | | | | | | 9 | | | | | 17-18 |
| 18 56 | 26.380 | | | 83 | 10 | 10 | SC | M45 | | | | | | | | | | | | 10 | 2 | .045 | | | 18-19 |
| 19 57 | 26.400 | | | 80 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 57 | 26.410 | | | 74 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.420 | | | 74 | 10 | 10 | SC | M70 | | | | | | | | | | | | 10 | 1 | .040 | | | 21-22 |
| 22 57 | 26.430 | | | 69 | 7 | | | | | | | | | | | | | | | 7 | | | | | 22-23 |
| 23 55 | 26.430 | | | 77 | 3 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | | T | 0 | | 54 | 51 | | | | | | | | | | |
| | 0350 | 1 | T | 0 | 0 | 57 | 51 | | 1 | | | | | | | | |
| | 0950 | 2 | .54 | 0 | 0 | 51 | 46 | | 2 | | | | | | | | |
| | 1552 | 3 | .10 | 0 | 0 | 54 | 49 | | 2 | | | | | | | | |
| | 2146 | 4 | .03 | 0 | 0 | 54 | 52 | | 1 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 53 | 51 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0954 | 1555 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.240 | 26.330 | 26.335 | 26.430 |
| BAROGRAPH 64 | 26.225 | 26.320 | 26.320 | 26.400 |
| BAR. CORR. 65 | +.015 | +.010 | +.015 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNTIL 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 MID-NIGHT TO MID-NIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | 46 | .67 | 0 | 0 | 12 | NE | 1900 | | | | | 10 | 10 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 86 | ENDED 87 |
|---|---|---|---|---|---|
| RW- | 0339 | 0430 | | | |
| R- | 0430 | 0522 | | | |
| R | 0522 | 0840 | | | |
| R- | 0840 | 1026 | | | |
| RW- | 1143 | 1450 | | | |
| RW- | 1605 | 1523 | | | |
| RW- | 1535 | 1615 | | | |
| RW- | 1730 | 1817 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0540 SUNSET 1727

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: 0609P ± 0 Sec./ 1845 ± 0 Sec./ ± Sec.

0656P/0658P

1453P/1453P

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: OCT 0 3 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) | OBS. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | 70 SCT | 20 | | | 091 | 53 | 40 | 36 | 05 | | 984 | 310 1400 | MR |
| SA | 0158 | CLR | 20 | | | 090 | 50 | 42 | 07 | 06 | | 983 | FEW SC | MR |
| SA | 0252 | CLR | 20 | | | 094 | 49 | 43 | 05 | 05 | | 984 | FEW SC | MR |
| SA | 0357 | 80 SCT | 20 | | | 103 | 49 | 43 | 03 | 02 | | 987 | 308 1050 48 20067 | MR |
| / | | | | | | | | | | | | | RADAT 74081 | / |
| SA | 0452 | E80 BKN | 20 | | | 108 | 51 | 41 | 32 | 04 | | 989 | | MR |
| SA | 0554 | E100 BKN | 20 | | | 113 | 50 | 40 | 33 | 03 | | 990 | | MR |
| SA | 0651 | E110 BKN | 20 | | | 122 | 56 | 37 | 32 | 03 | | 993 | 319 1070 | MR |
| SA | 0750 | CLR | 20 | | | 132 | 57 | 37 | 03 | 06 | | 997 | CU SE | MR |
| SA | 0854 | CLR | 20 | | | 139 | 59 | 37 | 02 | 07 | | 999 | FEW CU | MR |
| SA | 0957 | CLR | 20 | | | 140 | 61 | 36 | 03 | 05 | | 999 | 119 1170 48 | MR |
| SA | 1053 | 90 SCT | 20 | | | 138 | 64 | 36 | 04 | 09 | | 999 | | MR |
| SA | 1153 | 90 SCT 120 SCT | 20 | | | 135 | 66 | 35 | 06 | 08 | | 999 | | MR |
| SA | 1252 | 90 SCT 120 SCT | 20 | | | 131 | 68 | 34 | 35 | 05 | | 998 | 803 1170 | MR |
| SA | 1352 | 80 SCT E110 BKN | 20 | | | 134 | 66 | 35 | 07 | 10 | | 998 | | MR |
| SA | 1452 | 80 SCT E110 BKN | 20 | | | 135 | 69 | 35 | 01 | 11 | | 999 | | MR |
| SA | 1553 | 80 SCT E120 OVC | 20 | | | 144 | 67 | 34 | 04 | 10 | | 001 | BINOVC/308 116/ 70 | MR |
| — | — | | | | | | | | | | | | RADAT 75095 | — |
| SA | 1651 | 80 SCT E120 BKN | 20 | | | 147 | 66 | 35 | 05 | 09 | | 002 | | MR |
| SA | 1751 | 75 SCT E120 BKN | 20 | | | 153 | 64 | 36 | 05 | 07 | | 003 | | MR |
| SA | 1856 | 75 SCT 120 SCT | 20 | | | 162 | 61 | 40 | 04 | 07 | | 007 | 317 1460 | MR |
| SA | 1956 | 120 SCT | 20 | | | 170 | 59 | 39 | 06 | 08 | | 009 | | MR |
| SA | 2056 | CLR | 20 | | | 179 | 56 | 41 | 03 | 08 | | 011 | | MR |
| SA | 2150 | CLR | 20 | | | 181 | 56 | 39 | 10 | 04 | | 012 | 117 70 | MR |
| SA | 2257 | CLR | 20 | | | 189 | 53 | 40 | 10 | 07 | | 014 | | MR |
| SA | 2350 | CLR | 20 | | | 187 | 53 | 39 | 06 | 10 | | 014 | | 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 $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ 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: OCT 03 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 | | | 61 | 2 | 2 | SC | 70 | | | | | | | | | | | | 2 | 3 | .030 | | | 00-01 |
| 01 58 | 26.440 | | | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.450 | | | 80 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 57 | 26.475 | | | 78 | 4 | 4 | Ac | 80 | | | | | | | | | | | | 4 | 3 | .025 | | | 03-04 |
| 04 52 | 26.490 | | | 70 | 8 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 54 | 26.500 | | | 67 | 9 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 51 | 26.530 | | | 49 | 8 | 8 | Ac | E110 | | | | | | | | | | | | 7 | 3 | .055 | | | 06-07 |
| 07 50 | 26.560 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.580 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.585 | | | 39 | 0 | 0 | Cu | 80 | 0 | Ac | 140 | 0 | | | | | | | | 0 | 1 | .055 | | | 09-10 |
| 10 53 | 26.585 | | | 36 | 2 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 53 | 26.580 | | | 32 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 52 | 26.575 | | | 29 | 3 | 3 | Cu | 90 | 0 | Ac | 120 | 3 | | | | | | | | 3 | 8 | .010 | | | 12-13 |
| 13 52 | 26.575 | | | 31 | 7 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 52 | 26.580 | | | 29 | 8 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 53 | 26.600 | | | 29 | 10 | 2 | Cu | 80 | 8 | Ac | E120 | 10 | | | | | | | | 9 | 3 | .025 | | | 15-16 |
| 16 51 | 26.610 | | | 32 | 9 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 51 | 26.620 | | | 35 | 8 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 56 | 26.650 | | | 46 | 5 | 3 | SC | 75 | 2 | Ac | 120 | 5 | | | | | | | | 5 | 3 | .050 | | | 18-19 |
| 19 56 | 26.670 | | | 47 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 56 | 26.690 | | | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.700 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 21-22 |
| 22 57 | 26.720 | | | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.720 | | | 59 | 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 0350 | X | 0 | 0 | X | 54 | 48 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 54 | 48 | | 1 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 61 | 49 | | 1 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 70 | 61 | | 0 | | | | | | | | |
| | 2145 | 8 | 0 | 0 | 0 | 67 | 53 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 56 | 53 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0956 | 1553 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.475 | 26.570 | 26.600 | 26.700 |
| BAROMETER 64 | 26.460 | 26.585 | 26.590 | 26.695 |
| BAR. CORR. 65 | +.015 | 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 UNHLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | 48 | 0 | 0 | 0 | 13 | NE | 1557 | | | | | 5 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0541 SUNSET 1726

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: 0653P ± 0 Sec./ 1800P ± 0 Sec./ ± Sec.

0357/12hr MIN 48 / 1755

SP=

RS=



☆ 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 NEVADA

DATE: OCT 04 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. REMARKS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | CLR | 20 | | | 191 | 53 | 37 | 05 | 10 | | 015 | 110 | MR |
| SA | 0150 | CLR | 20 | | | 191 | 53 | 37 | 06 | 09 | | 015 | | MR |
| SA | 0250 | CLR | 20 | | | 187 | 53 | 36 | 05 | 12 | | 014 | | MR |
| SA | 0356 | CLR | 20 | | | 185 | 54 | 35 | 04 | 20 G24 | | 014 | 805 51 RADAT 46094 | MR |
| SA | 0455 | CLR | 20 | | | 186 | 52 | 35 | 04 | 15 | | 015 | | MR |
| SA | 0552 | CLR | 20 | | | 198 | 50 | 35 | 07 | 07 | | 016 | | MR |
| SA | 0652 | CLR | 20 | | | 204 | 54 | 34 | 05 | 07 | | 018 | 314 | MR |
| SA | 0755 | CLR | 20 | | | 205 | 57 | 33 | 02 | 12 | | 018 | | MR |
| SA | 0856 | CLR | 20 | | | 208 | 62 | 32 | 03 | 10 | | 019 | | MR |
| SA | 0956 | CLR | 20 | | | 194 | 66 | 31 | 31 | 04 | | 016 | 805 50 | MR |
| SA | 1052 | CLR | 20 | | | 192 | 69 | 31 | [illegible] | [illegible] | | 016 | | MR |
| SA | 1152 | CLR | 20 | | | 187 | 70 | 28 | 03 | 14 G22 | | 015 | | MR |
| SA | 1252 | CLR | 20 | | | 177 | 70 | 27 | 08 | 12 | | 012 | 815 | MR |
| SA | 1352 | CLR | 20 | | | 166 | 72 | 28 | 06 | 15 | | 009 | | MR |
| SA | 1450 | CLR | 20 | | | 165 | 72 | 26 | 02 | 07 | | 009 | | MR |
| SA | 1550 | CLR | 20 | | | 161 | 72 | 26 | 05 | 09 | | 008 | 612 73 RADAT 42102 | MR |
| SA | 1651 | CLR | 20 | | | 155 | 71 | 26 | 05 | 11 | | 005 | | MR |
| SA | 1750 | CLR | 20 | | | 158 | 67 | 29 | 06 | 08 | | 005 | | MR |
| SA | 1855 | CLR | 20 | | | 163 | 62 | 32 | 04 | 09 | | 007 | 503 | MR |
| SA | 1955 | CLR | 20 | | | 165 | 62 | 32 | 05 | 10 | | 008 | | MR |
| SA | 2055 | CLR | 20 | | | 163 | 62 | 32 | 05 | 07 | | 008 | | MR |
| SA | 2155 | CLR | 20 | | | 165 | 60 | 33 | 04 | 05 | | 009 | 207 73 | MR |
| SA | 2253 | CLR | 20 | | | 168 | 59 | 32 | 07 | 05 | | 010 | | MR |
| SA | 2350 | CLR | 20 | | | 168 | 58 | 33 | 03 | 09 | | 010 | | 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 1-10 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 NEVADA

DATE: OCT 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 53 | 26.730 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 00-01 |
| 01 50 | 26.730 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.720 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 56 | 26.715 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 03-04 |
| 04 55 | 26.725 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 04-05 |
| 05 52 | 26.740 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.755 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 06-07 |
| 07 55 | 26.760 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 07-08 |
| 08 56 | 26.770 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 56 | 26.740 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 09-10 |
| 10 53 | 26.735 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 10-11 |
| 11 52 | 26.725 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.695 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 12-13 |
| 13 52 | 26.670 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | 8 | .045 | | | 13-14 |
| 14 50 | 26.670 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.660 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 15-16 |
| 16 51 | 26.640 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | 6 | .035 | | | 16-17 |
| 17 50 | 26.640 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 55 | 26.650 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 18-19 |
| 19 55 | 26.660 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 19-20 |
| 20 55 | 26.660 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 55 | 26.670 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 21-22 |
| 22 53 | 26.680 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 22-23 |
| 23 50 | 26.680 | | | 39 | 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 | 54 | 51 | X | X | | | | | | X | | |
| | 0352 | 1 | 0 | 0 | 0 | 56 | 51 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 66 | 50 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 73 | 66 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 72 | 60 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 61 | 56 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0955 | 1550 | 2155 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.715 | 26.740 | 26.660 | 26.670 |
| BAROGRAPH 64 | 26.715 | 26.750 | 26.655 | 26.660 |
| BAR. CORR. 65 | 0 | -.010 | +.005 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 50 | 0 | 0 | 0 | 34 | VE | 2357 | | | | | | | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## PD. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0542 SUNSET 1724

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: 0553P ± 0 Sec./ 1858P ± 0 Sec./ ± Sec.

SP=

RS=

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

☆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: OCT 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 (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 167 | 60 | 32 | 05 | 07 | | 010 | 103 | HS |
| SA | 0153 | CLR | 20 | | | 167 | 58 | 32 | 00 | 00 | | 010 | | HS |
| SA | 0250 | CLR | 20 | | | 171 | 56 | 33 | 08 | 05 | | 011 | | HS |
| SA | 0349 | CLR | 20 | | | 169 | 54 | 34 | 00 | 00 | | 010 | 000 54 RADAT 43102 | AD |
| SA | 0449 | CLR | 20 | | | 168 | 57 | 32 | 00 | 00 | | 010 | | AD |
| SA | 0549 | CLR | 20 | | | 180 | 55 | 34 | 35 | 08 | | 012 | | AD |
| SA | 0649 | CLR | 20 | | | 180 | 60 | 33 | 05 | 08 | | 012 | 107 | AD |
| SA | 0749 | CLR | 20 | | | 179 | 64 | 34 | 07 | 08 | | 013 | | AD |
| SA | 0849 | CLR | 20 | | | 178 | 67 | 35 | 07 | 07 | | 013 | | AD |
| SA | 0949 | CLR | 20 | | | 171 | 69 | 34 | 12 | 11 | | 011 | 803 51 | AD |
| SA | 1049 | 220 - SCT | 20 | | | 162 | 72 | 33 | 09 | 11 | | 008 | | AD |
| SA | 1149 | 150 SCT | 20 | | | 158 | 74 | 33 | 04 | 07 | | 007 | | AD |
| SA | 1249 | 150 SCT | 20 | | | 149 | 75 | 32 | 08 | 10 | | 005 | 717 1070 | AD |
| SA | 1349 | 80 SCT 220 SCT | 20 | | | 141 | 76 | 32 | 10 | 08 | | 003 | | AD |
| SA | 1449 | 80 SCT 220 SCT | 20 | | | 139 | 77 | 33 | 04 | 08 | | 002 | | AD |
| SA | 1553 | 250-SCT | 20 | | | 136 | 77 | 31 | 03 | 07 | | 001 | FEW CU 714 1001 78 | / |
| — | | | | | | | | | | | | | RADAT 63109 | HS |
| SA | 1650 | CLR | 20 | | | 137 | 76 | 31 | 02 | 10 | | 002 | FEW CU | HS |
| SA | 1750 | CLR | 20 | | | 142 | 70 | 33 | 06 | 08 | | 002 | FEW CU | HS |
| SA | 1850 | CLR | 20 | | | 144 | 67 | 33 | 05 | 10 | | 003 | 207 | HS |
| SA | 1951 | CLR | 20 | | | 148 | 64 | 33 | 07 | 05 | | 004 | | HS |
| SA | 2050 | CLR | 20 | | | 151 | 63 | 33 | 07 | 07 | | 005 | | HS |
| SA | 2151 | CLR | 20 | | | 150 | 66 | 31 | 05 | 08 | | 005 | 107 78 | HS |
| SA | 2251 | CLR | 20 | | | 150 | 61 | 33 | 10 | 08 | | 005 | | HS |
| SA | 2350 | CLR | 20 | | | 152 | 63 | 32 | 05 | 12 | | 007 | | HS |

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 $1s_n$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: OCT 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 55 | 26.680 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 53 | 26.680 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.690 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.680 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 49 | 26.680 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.700 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.700 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 06-07 |
| 07 49 | 26.710 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.710 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.690 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 49 | 26.670 | | | 24 | 2 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.660 | | | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 49 | 26.640 | | | 21 | 1 | 1 | Ac | 150 | | | | | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 49 | 26.620 | | | 20 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 49 | 26.610 | | | 20 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 53 | 26.600 | | | 19 | 1 | 0 | Cu | 90 | 1 | Ci | 250 | 1 | | | | | | | | 0 | 7 | .040 | | | 15-16 |
| 16 50 | 26.605 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.620 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.620 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 18-19 |
| 19 51 | 26.630 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.640 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.640 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 51 | 26.640 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.650 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 61 | 54 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 61 | 54 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 70 | 51 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 78 | 69 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 77 | 62 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 66 | 60 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1552 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.680 | 26.690 | 26.600 | 26.640 |
| BAROGRAPH 64 | 26.680 | 26.690 | 26.600 | 26.640 |
| BAR. CORR. 65 | 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 UNMLTD (Ins.) 69 | Yrly. SNOW 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 | PROTRN. LAYER TOP 75 | PROTRN. LAYER BASE 76 | RIVER GAGE 77 | SKY COVER SUN. RISE TO SUNSET 78 | SKY COVER SUN. NIGHT TO MID-NIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 51 | 0 | 0 | 0 | *27 | E | 1305 | | | | | 1 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 84 | BEGAN 83 | ENDED 81 | TYPE 88 | BEGAN 87 | ENDED 86 |
|---|---|---|---|---|---|

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0542 SUNSET 1723

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 ±1 Sec./ 1900 ±1 Sec./ ± Sec.

1553/1555

* LAST OF 2 OCCURRENCES

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: OCT 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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 155 | 62 | 34 | 05 | 10 | | 008 | 307 | HS |
| SA | 0151 | CLR | 20 | | | 155 | 61 | 35 | 05 | 10 | | 008 | | HS |
| SA | 0250 | CLR | 20 | | | 155 | 60 | 35 | 04 | 11 | | 008 | | HS |
| SA | 0350 | CLR | 20 | | | 164 | 57 | 35 | 06 | 10 | | 010 | 307 57 RADAT 46110 | AD |
| SA | 0449 | CLR | 20 | | | 164 | 58 | 35 | 05 | 10 | | 010 | | AD |
| SA | 0549 | CLR | 20 | | | 175 | 58 | 34 | 04 | 12 | | 012 | | AD |
| SA | 0649 | 80 SCT | 20 | | | 185 | 59 | 34 | 04 | 12 | | 014 | 314 1070 | AD |
| SA | 0749 | 80 SCT | 20 | | | 184 | 62 | 35 | 04 | 14 | | 014 | | AD |
| SA | 0849 | 80 SCT | 20 | | | 188 | 62 | 35 | 03 | 12 | | 015 | | AD |
| SA | 0949 | E 80 BKN | 20 | | | 180 | 68 | 36 | 05 | 05 | | 014 | 000 ~~57~~ 1070 57 | AD |
| SA | 1049 | 80 SCT 140 SCT | 20 | | | 174 | 72 | 37 | 04 | 06 | | 012 | | AD |
| SA | 1149 | 140 SCT 220 SCT | 20 | | | 163 | 76 | 37 | 09 | 07 | | 010 | | AD |
| SA | 1249 | 140 SCT | 20 | | | 151 | 77 | 37 | 10 | 07 | | 006 | 724 1070 | AD |
| SA | 1349 | 140 SCT | 20 | | | 146 | 78 | 37 | 10 | 08 | | 005 | | AD |
| SA | 1449 | 140 SCT | 20 | | | 143 | 78 | 37 | 10 | 07 | | 004 | | AD |
| SA | 1553 | 140 SCT | 20 | | | 141 | 78 | 38 | 12 | 07 | | 003 | 710 1070 79 RADAT 76110 | HS |
| SA | 1654 | CLR | 20 | | | 142 | 75 | 38 | 12 | 08 | | 003 | AC NW-NE | HS |
| SA | 1751 | CLR | 20 | | | 146 | 71 | 39 | 09 | 04 | | 004 | AC NW | HS |
| SA | 1854 | CLR | 20 | | | 150 | 67 | 40 | 11 | 07 | | 004 | 303 | HS |
| SA | 1950 | CLR | 20 | | | 152 | 67 | 40 | 11 | 05 | | 005 | | HS |
| SA | 2050 | CLR | 20 | | | 157 | 63 | 41 | 10 | 06 | | 007 | | HS |
| SA | 2150 | CLR | 20 | | | 156 | 60 | 42 | 33 | 02 | | 007 | 107 79 | HS |
| SA | 2250 | CLR | 20 | | | 154 | 61 | 41 | 07 | 03 | | 007 | | HS |
| SA | 2350 | CLR | 20 | | | 155 | 56 | 43 | 09 | 03 | | 007 | | HS |

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 (11-82) 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 NEVA

DATE: OCT 0 6 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 50 | 26.660 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 00-01 |
| 01 51 | 26.660 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.660 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.680 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 03-04 |
| 04 49 | 26.680 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.700 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.720 | | | 39 | 2 | 2 | AC | 80 | | | | | | | | | | | | 2 | 3 | .040 | | | 06-07 |
| 07 49 | 26.720 | | | 36 | 3 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 49 | 26.730 | | | 36 | 5 | | | | | | | | | | | | | | | 5 | | | | | 08-09 |
| 09 49 | 26.720 | | | 31 | 6 | 6 | AC | 80 | | | | | | | | | | | | 6 | 0 | .000 | | | 09-10 |
| 10 49 | 26.700 | | | 28 | 5 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 49 | 26.680 | | | 24 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 49 | 26.650 | | | 24 | 2 | 2 | AC | 140 | | | | | | | | | | | | 2 | 7 | .070 | | | 12-13 |
| 13 49 | 26.640 | | | 23 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 49 | 26.630 | | | 23 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 53 | 26.620 | | | 24 | 1 | 1 | AC | 140 | | | | | | | | | | | | 1 | 7 | .030 | | | 15-16 |
| 16 54 | 26.620 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.625 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 54 | 26.630 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 18-19 |
| 19 50 | 26.640 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.650 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.650 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 50 | 26.650 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.650 | | | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | | 0 | 0 | | 63 | 57 | | | | | | | | | | |
| | 0345 | 1 | 0 | 0 | 0 | 66 | 57 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 68 | 57 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 79 | 67 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 78 | 60 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 63 | 56 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 15 52 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.680 | 26.720 | 26.620 | 26.650 |
| BAROGRAPH 64 | 26.680 | 26.720 | 26.625 | 26.660 |
| BAR. CORR. 65 | 0 | 0 | -.005 | -.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79 | 56 | 0 | 0 | 0 | *18 | E | 1333 | | | | | 3 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0543 SUNSET 1721

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 ✓ Sec./ 1955 ✓ Sec./ ± Sec.

0949/0949

*LAST OF SEVERAL OCCURRENCES

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 NEVADA

DATE: OCT 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. (7) | DEW PT. (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Tens) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 157 | 57 | 42 | 06 | 05 | | 008 | 303 | HS |
| SA | 0150 | CLR | 20 | | | 156 | 57 | 41 | 11 | 03 | | 008 | | HS |
| SA | 0250 | CLR | 20 | | | 152 | 56 | 40 | 10 | 03 | | 007 | | HS |
| SA | 0349 | CLR | 20 | | | 155 | 53 | 41 | 00 | 00 | | 006 | 603 53 RADAT 50110 | AD |
| SA | 0449 | CLR | 20 | | | 160 | 55 | 40 | 00 | 00 | | 007 | | AD |
| SA | 0549 | CLR | 20 | | | 165 | 54 | 40 | 05 | 05 | | 008 | | AD |
| SA | 0649 | CLR | 20 | | | 168 | 60 | 40 | 00 | 00 | | 010 | 210 | AD |
| SA | 0747 | CLR | 20 | | | 164 | 61 | 37 | 06 | 07 | | 010 | | AD |
| SA | 0853 | CLR | 20 | | | 165 | 70 | 38 | 02 | 05 | | 010 | FEW CU | SEA |
| SA | 0949 | 120 SCT | 20 | | | 164 | 75 | 39 | 02 | 05 | | 010 | 400 1100 53 | AD |
| SA | 1049 | 120 SCT | 20 | | | 155 | 78 | 39 | 34 | 04 | | 007 | | AD |
| SA | 1149 | 120 SCT | 20 | | | 145 | 79 | 38 | 35 | 04 | | 004 | | AD |
| SA | 1249 | 120 SCT | 20 | | | 135 | 82 | 38 | 20 | 06 | | 002 | 724 1100 | AD |
| SA | 1349 | 120 SCT | 20 | | | 132 | 79 | 38 | 00 | 00 | | 001 | | AD |
| SA | 1449 | 120 SCT | 20 | | | 130 | 79 | 38 | 18 | 04 | | 999 | | AD |
| SA | 1553 | 120 SCT | 20 | | | 125 | 78 | 38 | 16 | 05 | | 998 | 714 1100 83 RADAT 65116 | HS |
| SA | 1653 | 120 SCT | 20 | | | 124 | 78 | 38 | 20 | 05 | | 998 | | HS |
| SA | 1750 | 120 SCT | 20 | | | 126 | 72 | 39 | 21 | 05 | | 998 | | HS |
| SA | 1851 | CLR | 20 | | | 130 | 66 | 42 | 10 | 04 | | 999 | 303 | HS |
| SA | 1951 | CLR | 20 | | | 130 | 64 | 42 | 36 | 03 | | 999 | | HS |
| SA | 2050 | CLR | 20 | | | 131 | 62 | 42 | 03 | 06 | | 000 | | HS |
| SA | 2154 | CLR | 20 | | | 132 | 61 | 41 | 04 | 03 | | 001 | 307 83 | HS |
| SA | 2252 | CLR | 20 | | | 131 | 59 | 41 | 06 | 03 | | 001 | | HS |
| SA | 2350 | CLR | 20 | | | 131 | 59 | 41 | 12 | 04 | | 001 | | HS |

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

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

DATE: OCT 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 51 | 26.660 | | | 57 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 00-01 |
| 01 50 | 26.660 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.650 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.650 | | | 64 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 49 | 26.660 | | | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.670 | | | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.680 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 49 | 26.680 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.680 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.680 | | | 27 | 1 | 1 | Cu | 120 | | | | | | | | | | | | 1 | 4 | .000 | | | 09-10 |
| 10 49 | 26.660 | | | 25 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 49 | 26.630 | | | 23 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 49 | 26.610 | | | 21 | 3 | 3 | Cu | 120 | | | | | | | | | | | | 3 | 7 | .070 | | | 12-13 |
| 13 49 | 26.600 | | | 23 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 49 | 26.590 | | | 23 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 53 | 26.570 | | | 24 | 3 | 3 | Cu | 120 | | | | | | | | | | | | 3 | 7 | .040 | | | 15-16 |
| 16 53 | 26.570 | | | 24 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 50 | 26.570 | | | 30 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 51 | 26.580 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 18-19 |
| 19 51 | 26.585 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.590 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.600 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 52 | 26.600 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.600 | | | 50 | 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 | 62 | 53 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 63 | 53 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 75 | 53 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 83 | 75 | | 0 | | | | | | | | |
| | 2152 | 4 | 0 | 0 | 0 | 79 | 60 | | 0 | | | | | | | | |
| | MID | X | 0 | 0 | 0 | 64 | 59 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1552 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.650 | 26.680 | 26.570 | 26.600 |
| BAROGRAPH 64 | 26.655 | 26.680 | 26.585 | 26.605 |
| BAR. CORR. 65 | | | | |

## 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 | 4PM 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 | 53 | 0 | 0 | 0 | 14 | NE | 0800 | | | | | 2 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0544 SUNSET 1720

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 ±1 Sec./ 1855 ±1 Sec./ ± Sec.

*MICROBAROGRAPH CHANGED 11SZP

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: OCT 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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 131 | 57 | 40 | 00 | 00 | | 001 | 400 | HS |
| SA | 0150 | CLR | 20 | | | 132 | 58 | 40 | 30 | 04 | | 001 | | HS |
| SA | 0250 | CLR | 20 | | | 131 | 54 | 41 | 33 | 04 | | 000 | | HS |
| SA | 0350 | CLR | 20 | | | 136 | 55 | 40 | 09 | 02 | | 001 | 500 53 RADAT 71114 | CRD |
| SA | 0453 | CLR | 20 | | | 139 | 55 | 40 | 11 | 03 | | 002 | | CRD |
| SA | 0553 | CLR | 20 | | | 144 | 54 | 40 | 28 | 03 | | 003 | FEW AC SW | CRD |
| SA | 0650 | CLR | 20 | | | 148 | 60 | 40 | 31 | 04 | | 004 | 208 1570 | CRD |
| SA | 0750 | CLR | 20 | | | 149 | 66 | 39 | 31 | 03 | | 004 | FEW SC SW-W | CRD |
| SA | 0851 | CLR | 20 | | | 147 | 73 | 39 | 12 | 03 | | 005 | FEW CU CI | CRD |
| SA | 0951 | CLR | 20 | | | 143 | 77 | 38 | 04 | 06 | | 004 | 002 1101 52 | CRD |
| SA | 1055 | 80 SCT 250 SCT | 20 | | | 140 | 80 | 38 | 26 | 03 | | 003 | | CRD |
| SA | 1154 | 80 SCT 140 SCT 250 SCT | 20 | | | 135 | 82 | 33 | 03 | 04 | | 002 | | CRD |
| SA | 1252 | 80 SCT 250 SCT | 20 | | | 127 | 82 | 34 | 31 | 08 | | 999 | 715 1101 | CRD |
| SA | 1350 | 80 SCT 250 SCT | 20 | | | 123 | 84 | 33 | 24 | 09 | | 998 | | CRD |
| SA | 1452 | 80 SCT | 20 | | | 121 | 83 | 33 | 23 | 10 | | 997 | TCU NW | CRD |
| SA | 1554 | 80 SCT | 20 | | | 112 | 83 | 33 | 16 | 05 | | 996 | 812 1100 84 RADAT56118 | HS |
| SA | 1652 | 80 SCT | 20 | | | 114 | 80 | 33 | 25 | 03 | | 996 | | HS |
| SA | 1751 | 250-SCT | 20 | | | 121 | 75 | 36 | 10 | 05 | | 997 | FEW CU | HS |
| SA | 1852 | CLR | 20 | | | 129 | 70 | 38 | 12 | 07 | | 999 | 310 | HS |
| SA | 1951 | CLR | 20 | | | 129 | 66 | 39 | 07 | 05 | | 999 | | HS |
| SA | 2051 | CLR | 20 | | | 129 | 63 | 39 | 11 | 05 | | 000 | | HS |
| SA | 2151 | CLR | 20 | | | 131 | 64 | 38 | 08 | 07 | | 001 | 307 84 | HS |
| SA | 2252 | CLR | 20 | | | 131 | 61 | 38 | 36 | 03 | | 001 | | HS |
| SA | 2253 | CLR | 20 | | | 136 | 58 | 39 | 08 | 03 | | 002 | | HS |

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: OCT 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 51 | 26.600 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 50 | 26.600 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.590 | | | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.600 | | | 57 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 53 | 26.610 | | | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.615 | | | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.625 | | | 48 | 0 | 0 | SC | 80 | 0 | Ac | 160 | 0 | | | | | | | | 0 | 2 | .025 | | | 06-07 |
| 07 50 | 26.630 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.635 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.630 | | | 25 | 0 | 0 | Cu | 80 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 0 | .005 | | | 09-10 |
| 10 55 | 26.620 | | | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 54 | 26.610 | | | 17 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 52 | 26.585 | | | 18 | 2 | 2 | Cu | 80 | 0 | Ci | 250 | 2 | | | | | | | | 2 | 7 | .045 | | | 12-13 |
| 13 50 | 26.580 | | | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 52 | 26.570 | | | 16 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 54 | 26.550 | | | 17 | 2 | 2 | Cu | 80 | | | | | | | | | | | | 2 | 8 | .035 | | | 15-16 |
| 16 52 | 26.550 | | | 19 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 51 | 26.560 | | | 24 | 1 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.580 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 18-19 |
| 19 51 | 26.580 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.590 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.600 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 52 | 26.600 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.610 | | | 48 | 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 | 60 | 53 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 62 | 53 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 78 | 52 | | 0 | | | | | | | | |
| | 1552 | 3 | 0 | 0 | 0 | 84 | 77 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 83 | 62 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 65 | 58 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1553 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.630 | 26.550 | 26.600 |
| BAROGRAPH 64 | 26.605 | 26.640 | 26.560 | 26.605 |
| BAR. CORR. 65 | -.005 | -.010 | -.010 | -.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | 52 | 0 | 0 | 0 | 14 | SW | 1414 | | | | | 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 0545 SUNSET 1718

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: 1805P ±1 Sec./ 1800 ±1 Sec./ ± Sec.

2353/2353

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: OCT 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 (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OR INTERVALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 138 | 59 | 38 | 08 | 05 | | 003 | 307 | HS |
| SA | 0152 | CLR | 20 | | | 134 | 60 | 37 | 00 | 00 | | 002 | | HS |
| SA | 0250 | CLR | 20 | | | 133 | 60 | 37 | 03 | 03 | | 002 | | HS |
| SA | 0351 | CLR | 20 | | | 139 | 57 | 37 | 33 | 04 | | 003 | 500 56 RADAT 50114 | CRD |
| SA | 0455 | CLR | 20 | | | 141 | 57 | 38 | 14 | 05 | | 003 | | CRD |
| SA | 0550 | ~~CLR~~ 250 SCT | 20 | | | 144 | 58 | 37 | 01 | 05 | | 004 | FEW CU S-SW | CRD |
| SA | 0655 | 250-BKN | 20 | | | 147 | 62 | 38 | 18 | 02 | | 004 | FEW CU SW/303 1108 | CRD |
| SA | 0750 | 80 SCT 250-BKN | 20 | | | 145 | 69 | 37 | 03 | 10 | | 004 | TCU S | CRD |
| SA | 0851 | 80 SCT 250-BKN | 20 | | | 144 | 73 | 35 | 03 | 10 | | 004 | MDT CU SW-W | CRD |
| SA | 0951 | 80 SCT 250-BKN | 20 | | | 144 | 75 | 37 | 24 | 10 | | 004 | 400 1208 54 | CRD |
| SP | 1034 | 80 SCT 250-BKN | 20 | | T | | | | 23 | 10 | | 005 | T S B34 MOVG NW OCNL | CRD |
| | | | | | | | | | | | | | LTG CG RWW S | |
| SA | 1050 | E80 BKN 250 BKN | 20 | | T | 152 | 73 | 36 | 23 | 11 G 19 | | 006 | T S B34 MOVG NW OCNL | CRD |
| | | | | | | | | | | | | | LTG ICCG RWW S | |
| SP | 1120 | E80 BKN 250 BKN | 20 | | | | | | 21 | 15 G 29 | | 006 | T E19 MOVD ~~NW~~ W RB 1856 E07 | CRD |
| | | | | | | | | | | | | | TCU ALQDS RWW SW-W | |
| SA | 1159 | 80 SCT 250-OVC | 20 | | | 154 | 72 | 45 | 23 | 12 G 21 | | 006 | T E19 MOVD W TCU ALQDS | CRD |
| | | | | | | | | | | | | | RB 1856 E07 | |
| SA | 1250 | 80 SCT E250 OVC | 20 | | | 145 | 70 | 44 | 23 | 15 G 25 | | 004 | CB NE MOVG NW TCU W-N | CRD |
| ~~SA~~ | ~~1350~~ | ~~80 SCT 250-BKN~~ | ~~20~~ | | | | ~~72~~ | ~~46~~ | | | | | 80200 1907 | |
| SA | 1357 | 80 SCT 250-BKN | 20 | | | 140 | 77 | 46 | 23 | 12 G 21 | | 002 | CB NE MOVG NWD TCU W-N | CRD |
| SA | 1450 | 80 SCT 250-BKN | 20 | | | 141 | 70 | 46 | 23 | 15 G 23 | | 002 | CB N MOVG N | CRD |
| SA | 1549 | E250 BKN | 20 | | | 129 | 71 | 45 | 23 | 11 G 20 | | 998 | CB N MOVGN/7150/1908 77 | 008 |
| | | | | | | | | | | | | | RADAT 60115 | |
| SA | 1655 | 250-BKN | 20 | | | 123 | 68 | 44 | 24 | 06 | | 996 | | 008 |
| SA | 1753 | 250-BKN | 20 | | | 120 | 65 | 44 | 16 | 03 | | 995 | | 008 |
| SA | 1853 | 250-BKN | 20 | | | 123 | 61 | 45 | 03 | 08 | | 996 | 508 1008 | 008 |
| SA | 1950 | 250-BKN | 20 | | | 117 | 60 | 45 | 30 | 04 | | 995 | | 008 |
| SA | 2059 | 250-BKN | 20 | | | 122 | 57 | 45 | 33 | 04 | | 995 | | 008 |
| SA | 2151 | 250 SCT | 20 | | | 114 | 58 | 45 | 13 | 04 | | 995 | 703 1008 77 | 008 |
| SA | 2250 | 250 SCT | 20 | | | 116 | 59 | 44 | 33 | 05 | | 995 | | 008 |
| SA | 2349 | 250 SCT | 20 | | | 118 | 59 | 45 | 02 | 03 | | 996 | | 008 |

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 1-10 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: OCT 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 51 | 26.620 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 00-01 |
| 01 52 | 26.610 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.610 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.620 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 55 | 26.620 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.625 | | | 45 | 3 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 55 | 26.630 | | | 41 | 6 | 0 | Cu | 80 | 6 | Cs | 250 | 6 | | | | | | | | 2 | 3 | .010 | | | 06-07 |
| 07 50 | 26.630 | | | 31 | 6 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 51 | 26.630 | | | 25 | 6 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 51 | 26.630 | | | 25 | 8 | 1 | Cu | 80 | 7 | Cs | 250 | 8 | | | | | | | | 3 | 4 | .000 | | | 09-10 |
| 10 50 | 26.650 | | | 26 | 8 | | | | | | | | | | | | | | | 7 | | | | | 10-11 |
| 11 54 | 26.645 | | | 38 | 10 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 50 | 26.625 | | | 39 | 10 | 4 | CB | 80 | 6 | Cs | E250 | 10 | | | | | | | | 7 | 8 | .005 | | | 12-13 |
| 13 57 | 26.610 | | | 42 | 8 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 50 | 26.610 | | | 42 | 8 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 49 | 26.580 | | | 39 | 8 | 0 | CB | 80 | 8 | CS | 6250 | 8 | | | | | | | | 5 | 7 | .045 | | | 15-16 |
| 16 55 | 26.560 | | | 42 | 8 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 53 | 26.550 | | | 47 | 6 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 53 | 26.555 | | | 56 | 6 | 6 | CS | 250 | | | | | | | | | | | | 2 | 5 | .025 | | | 18-19 |
| 19 50 | 26.550 | | | 58 | 6 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 59 | 26.550 | | | 60 | 6 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 51 | 26.545 | | | 62 | 4 | 4 | CS | 250 | | | | | | | | | | | | 3 | 7 | .010 | | | 21-22 |
| 22 51 | 26.550 | | | 58 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 49 | 26.525 | | | 60 | 2 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 62 | 56 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 65 | 56 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 77 | 54 | | 0 | | | | | | | | |
| | 1548 | 3 | T | 0 | 0 | 76 | 70 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 71 | 58 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 59 | 56 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1548 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.620 | 26.630 | 26.580 | 26.545 |
| BAROGRAPH 64 | 26.620 | 26.630 | 26.580 | 26.545 |
| BAR. CORR. 65 | 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 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 54 | T | 0 | 0 | 29 | SW | 1118 | | | | | 7 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| T | 1034 | 1119 | | | |
| RW- | 1056 | 1107 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0546 SUNSET 1717

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: 0900 P ⊕ 1 Sec./ 2240 P ⊕ 0 Sec./ ± Sec.

0550/0550
1120/1120
1357/1357

SP=
RS=

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

☆ U.S. GPO: 1983 O 764-009/8069

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: OCT 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 (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Hgs.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | 250 SCT | 20 | | | 120 | 58 | 46 | 05 | 05 | | 996 | 108 1008 | [illegible] |
| SA | 0153 | 250 SCT | 20 | | | 118 | 56 | 46 | 33 | 05 | | 995 | | [illegible] |
| SA | [illegible] | 250 SCT | 20 | | | 119 | 56 | 46 | 13 | 04 | | 995 | | [illegible] |
| SA | [illegible] | [illegible] | 20 | | | 123 | 54 | 46 | 16 | 03 | | 996 | [illegible] | [illegible] |
| SA | 0450 | 80 SCT 250-BKN | 20 | | | 121 | 55 | 47 | 29 | 04 | | 995 | | CRD |
| SA | 0552 | 50 SCT 250-BKN | 20 | | | 127 | 53 | 49 | 13 | 04 | | 996 | | CRD |
| SA | 0651 | 160 SCT 250-BKN | 20 | | | 128 | 54 | 47 | 15 | 04 | | 196 | ACSL E-SW/500 1041 | CRD |
| SA | 0750 | 160 SCT 250-BKN | 20 | | | 130 | 59 | 48 | 27 | 04 | | 997 | ACSL SE | CRD |
| SA | 0852 | 250-BKN | 20 | | | 128 | 63 | 50 | [illegible] | 05 | | 997 | FEW SC ACSL SE | CRD |
| SA | 0950 | 250-BKN | 20 | | | 125 | 69 | 50 | 23 | 06 | | 996 | 000 1508 53 | CRD |
| SA | 1052 | 250 SCT | 20 | | | 117 | 68 | 50 | 24 | 08 | | 995 | FEW SC SE | CRD |
| SA | 1150 | 250 SCT | 20 | | | 106 | 70 | 49 | 24 | 10 | | 992 | FEW CU ALQDS | CRD |
| SA | 1255 | 250 SCT | 20 | | | 091 | 71 | 48 | 24 | 11 | 618 | 988 | 727 1101 | CRD |
| SA | 1352 | 250 SCT | 20 | | | 084 | 72 | 48 | 26 | 10 | | 985 | FEW CU ALQDS | CRD |
| SA | 1450 | 250 SCT | 20 | | | 076 | 73 | 47 | 25 | 12 | 619 | 984 | FEW CU ALQDS | CRD |
| SA | 1549 | 250 SCT | 20 | | | 069 | 72 | 48 | 22 | 12 | 617 | 981 | 720 1001 73 RADAT 34118 | [illegible] |
| SA | 1655 | 250 SCT | 20 | | | 070 | 69 | 48 | 21 | 09 | 616 | 981 | | [illegible] |
| SA | 1749 | CLR | 20 | | | 069 | 67 | 48 | 33 | 07 | | 980 | | [illegible] |
| SA | 1858 | CLR | 20 | | | 069 | 65 | 48 | 25 | 07 | | 980 | 603 1001 | [illegible] |
| SA | 1954 | CLR | 20 | | | 068 | 63 | 47 | 26 | 06 | | 980 | | [illegible] |
| SA | 2016 | CLR | 20 | | | 068 | 61 | 47 | 25 | 06 | | 981 | | [illegible] |
| SA | 2154 | CLR | 20 | | | 065 | 62 | 47 | 29 | 07 | | 980 | 000 1001 73 | [illegible] |
| SA | 2254 | CLR | 20 | | | 064 | 60 | 47 | 29 | 07 | | 979 | | [illegible] |
| SA | 2350 | CLR | 20 | | | 063 | 60 | 47 | 32 | 05 | | 980 | | [illegible] |

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: OCT 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 53 | 26.555 | | | 64 | 2 | 2 | cs | 250 | | | | | | | | | | | | 2 | 1 | .010 | | | 00-01 |
| 01 55 | 26.550 | | | 69 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 [illegible] | 26.4[illegible] | | | [illegible] | [illegible] | | | | | | | | | | | | | | | | | | | | 02-03 |
| 03 56 | 26.560 | | | 74 | 10 | 2 | Sc | 50 | 3 | Sc | 50 | 5 | 3 | Cs | 250 | 10 | | | | 4 | 3 | .005 | | | 03-04 |
| 04 50 | 26.550 | | | 74 | 7 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 52 | 26.560 | | | 86 | 7 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 51 | 26.560 | | | 77 | 6 | 1 | ACSL | 160 | 5 | Cl | 250 | 6 | | | | | | | | 2 | 5 | .000 | | | 06-07 |
| 07 50 | 26.570 | | | 67 | 6 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 52 | 26.565 | | | 63 | 6 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 50 | 26.560 | | | 60 | 7 | 0 | Sc | 50 | 7 | Cs | 250 | 7 | | | | | | | | 3 | 0 | .000 | | | 09-10 |
| 10 52 | 26.545 | | | 53 | 2 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 50 | 26.520 | | | 47 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 55 | 26.480 | | | 44 | 2 | 0 | Cu | 50 | 2 | Cl | 250 | 2 | | | | | | | | 2 | 7 | .080 | | | 12-13 |
| 13 52 | 26.460 | | | 43 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.445 | | | 40 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 49 | 26.420 | | | 43 | 1 | 1 | Cl | 250 | | | | | | | | | | | | 1 | 7 | .060 | | | 15-16 |
| 16 55 | 26.420 | | | 47 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 49 | 26.410 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 58 | 26.410 | | | 54 | 0 | 0 | Cl | 250 | | | | | | | | | | | | 0 | 6 | .000 | | | 18-19 |
| 19 54 | 26.410 | | | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 56 | 26.420 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.410 | | | 58 | 0 | 0 | Cl | 250 | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 54 | 26.400 | | | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.410 | | | 62 | 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 0350 | | 0 | 0 | | 59 | 54 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 59 | 54 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 64 | 53 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 73 | 63 | | 0 | | | | | | | | |
| | 2157 | 4 | 0 | 0 | 0 | 72 | 62 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 62 | 59 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0355 | 0950 | 1548 | 2157 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.560 | 26.560 | 26.420 | 26.410 |
| BAROGRAPH 64 | 26.555 | 26.560 | 26.425 | 26.415 |
| BAR. CORR. 65 | +.005 | 0 | -.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 UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 53 | 0 | 0 | 0 | 21 | SW | 1557 | | | | | 4 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0547 SUNSET 1716

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: 0540P ± 0 Sec./ 2140P ⊕0 Sec./ ± Sec.

1255/1155

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 NEVADA

DATE: OCT 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) | OBS. METHOD (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 067 | 58 | 47 | 35 | 06 | | 981 | 303 1001 | 008 |
| SA | 0151 | CLR | 20 | | | 068 | 57 | 48 | 36 | 08 | | 981 | | 008 |
| SA | 0254 | CLR | 20 | | | 075 | 57 | 48 | 04 | 04 | | 983 | | 008 |
| SA | 0354 | 70 SCT 250 SCT | 20 | | | 078 | 59 | 37 | 35 | 10 | | 984 | 310 1501 56 MADAT 61106 | CRD |
| SA | 0450 | 70 SCT 250 SCT | 20 | | | 081 | 58 | 26 | 36 | 08 | | 986 | | CRD |
| SA | 0551 | CLR | 20 | | | 098 | 57 | 18 | 04 | 15G27 | | 988 | RW LC SE | CRD |
| SA | 0654 | CLR | 20 | | | 110 | 57 | 17 | 02 | 14G28 | | 992 | 224 | CRD |
| SA | 0753 | CLR | 20 | | | 115 | 58 | 21 | 02 | 10G20 | | 993 | HAZY | CRD |
| SA | 0850 | CLR | 20 | | | 113 | 60 | 21 | 02 | 12G19 | | 993 | HAZY | CRD |
| SA | 0951 | CLR | 20 | | | 107 | 62 | 22 | 33 | 14G19 | | 992 | HAZY/302 56 | CRD |
| SA | 1050 | CLR | 20 | | | 103 | 65 | 22 | 03 | 13G23 | | 991 | | CRD |
| SA | 1149 | CLR | 20 | | | 099 | 69 | 20 | 34 | 13G21 | | 988 | | CRD |
| SA | 1256 | CLR | 20 | | | 093 | 66 | 17 | 04 | 15G27 | | 989 | 712 | CRD |
| SA | 1350 | CLR | 20 | | | 094 | 66 | 14 | 03 | 16G27 | | 987 | | CRD |
| SA | 1450 | CLR | 20 | | | 095 | 66 | 12 | 01 | 16G25 | | 987 | | CRD |
| SA | 1549 | CLR | 20 | | | 098 | 66 | 12 | 05 | 12 | G18 | 989 | 305 68 MADAT 20092 | 008 |
| SA | 1650 | CLR | 20 | | | 106 | 64 | 10 | 02 | 12 | G22 | 991 | | 008 |
| SA | 1755 | CLR | 20 | | | 115 | 61 | 14 | 04 | 14 | G20 | 993 | | 008 |
| SA | 1849 | CLR | 20 | | | 117 | 59 | 14 | 04 | 12 | | 993 | 112 | 008 |
| SA | 1955 | CLR | 20 | | | 125 | 57 | 15 | 03 | 11 | | 995 | | 008 |
| SA | 2056 | CLR | 20 | | | 133 | 55 | 17 | 03 | 10 | | 997 | | 008 |
| SA | 2154 | CLR | 20 | | | 136 | 53 | 21 | 05 | 09 | | 998 | 117 68 | 008 |
| SA | 2255 | CLR | 20 | | | 142 | 51 | 22 | 05 | 09 | | 000 | | 008 |
| SA | 2351 | CLR | 20 | | | 146 | 47 | 22 | 04 | 10 | | 001 | | 008 |

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 1-10A (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: OCT 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 50 | 26.420 | | | 67 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .010 | | | 00-01 |
| 01 51 | 26.420 | | | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 54 | 26.440 | | | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.450 | | | 49 | 3 | 1 | Sc | 70 | 2 | Ci | 250 | 3 | | | | | | | | 2 | 3 | .030 | | | 03-04 |
| 04 50 | 26.470 | | | 29 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 51 | 26.490 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.520 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | 2 | .070 | | | 06-07 |
| 07 53 | 26.530 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.530 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.515 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | 8 | .005 | | | 09-10 |
| 10 50 | 26.510 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.490 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 56 | 26.480 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | 7 | .035 | | | 12-13 |
| 13 50 | 26.480 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.480 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 49 | 26.495 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 15-16 |
| 16 50 | 26.510 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.530 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.530 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 1 | .035 | | | 18-19 |
| 19 55 | 26.550 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 56 | 26.570 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.580 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 21-22 |
| 22 55 | 26.595 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.600 | | | 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 0350 | X | 0 | 0 | X | 60 | 56 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 62 | 56 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 62 | 56 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 68 | 62 | | 0 | | | | | | | | |
| | 2153 | 4 | 0 | 0 | 0 | 66 | 53 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 53 | 47 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | | | | |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.450 | 26.515 | 26.495 | 26.580 |
| BAROGRAPH 64 | 26.450 | 26.515 | 26.495 | 26.585 |
| BAR. CORR. 65 | 0 | 0* | 0 | -.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 47 | 0 | 0 | 0 | 29 | NE | 1410 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 05:48 SUNSET 1714

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

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

TIME CHECK - CLOCK AT: 0830P @0 Sec./ 1545P @0 Sec./ ± Sec.

*BAROGRAPH CHART CHANGED

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: OCT 12 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 (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 156 | 48 | 20 | 04 | 08 | | 004 | 217 | DC |
| SA | 0153 | CLR | 20 | | | 156 | 48 | 19 | 05 | 09 | | 004 | | DC |
| SA | 0258 | CLR | 20 | | | 164 | 47 | 17 | 04 | 10 | | 006 | | DC |
| SA | 0358 | CLR | 20 | | | 170 | 45 | 18 | 03 | 10 | | 008 | 310 45 RADAT 39073 | DC |
| SA | 0458 | CLR | 20 | | | 175 | 44 | 17 | 01 | 10 | | 009 | | DC |
| SA | 0555 | CLR | 20 | | | 180 | 44 | 17 | 04 | 13 | | 010 | | DC |
| SA | 0656 | CLR | 20 | | | 184 | 48 | 15 | 05 | 17 | | 011 | 210 | DC |
| SA | 0750 | CLR | 20 | | | 186 | 51 | 15 | 04 | 14 | | 012 | | DC |
| SA | 0857 | CLR | 20 | | | 190 | 54 | 15 | 02 | 12 | | 013 | | DC |
| SA | 0957 | CLR | 20 | | | 189 | 57 | 15 | 02 | 12 | G17 | 013 | 005 43 | DC |
| SA | 1053 | CLR | 20 | | | 182 | 60 | 14 | 07 | 09 | | 012 | | DC |
| SA | 1154 | CLR | 20 | | | 176 | 62 | 12 | 04 | 09 | | 009 | | DC |
| SA | 1256 | CLR | 20 | | | 166 | 64 | 11 | 09 | 08 | G16 | 007 | 817 | DC |
| SA | 1356 | CLR | 20 | | | 162 | 65 | 10 | 36 | 08 | | 006 | | DC |
| SA | 1451 | CLR | 20 | | | 161 | 65 | 9 | 34 | 05 | | 005 | | DC |
| SA | 1552 | CLR | 20 | | | 160 | 66 | 9 | 10 | 11 | | 005 | 605 66 RADAT 23089 | WRG |
| SA | 1652 | CLR | 20 | | | 163 | 64 | 6 | 13 | 13 | | 005 | | WRG |
| SA | 1752 | CLR | 20 | | | 169 | 61 | 4 | 10 | 10 | | 006 | | WRG |
| SA | 1852 | CLR | 20 | | | 174 | 59 | 3 | 06 | 12 | | 008 | 308 | WRG |
| SA | 1952 | CLR | 20 | | | 183 | 58 | 3 | 07 | 07 | | 011 | | WRG |
| SA | 2050 | CLR | 20 | | | 190 | 53 | 7 | 36 | 05 | | 013 | | WRG |
| SA | 2152 | CLR | 20 | | | 199 | 51 | 7 | 36 | 04 | | 015 | 222 66 | WRG |
| SA | 2252 | CLR | 20 | | | 202 | 48 | 9 | 10 | 04 | | 016 | | WRG |
| SA | 2352 | CLR | 20 | | | 205 | 45 | 10 | 12 | 05 | | 017 | | 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 1-10A (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: OCT 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 55 | 26.630 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 00-01 |
| 01 53 | 26.630 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 58 | 26.650 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.660 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 03-04 |
| 04 58 | 26.670 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.680 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 56 | 26.690 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 50 | 26.700 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 57 | 26.710 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.705 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | 0 | .015 | | | 09-10 |
| 10 53 | 26.695 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 54 | 26.675 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 56 | 26.655 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 8 | .050 | | | 12-13 |
| 13 56 | 26.645 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 51 | 26.640 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.640 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | 6 | .015 | | | 15-16 |
| 16 52 | 26.640 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.650 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.665 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | 3 | .025 | | | 18-19 |
| 19 52 | 26.690 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.710 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.730 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 2 | .065 | | | 21-22 |
| 22 52 | 26.740 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.750 | | | 21 | 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 0350 | X | 0 | 0 | X | 50 | 45 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 53 | 45 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 58 | 43 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 66 | 57 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 66 | 50 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 51 | 45 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0952 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.660 | 26.705 | 26.640 | 26.730 |
| BAROGRAPH 64 | 26.655 | 26.705 | 26.635 | 26.715 |
| BAR. CORR. 65 | +.005 | 0 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 43 | 0 | 0 | 0 | 22 | NE | 0719 | | | | | 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 0548 SUNSET 1713

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: 1045 P ±0 Sec./ 2223 P ±0 Sec./ ± Sec.

SP=

WO-

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: OCT 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. (Mhs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 206 | 44 | 9 | 03 | 05 | | 017 | 107 | WRG |
| SA | 0152 | CLR | 20 | | | 209 | 44 | 8 | 02 | 04 | | 018 | | WRG |
| SA | 0250 | CLR | 20 | | | 210 | 42 | 12 | 11 | 04 | | 018 | | WRG |
| SA | 0358 | CLR | 20 | | | 215 | 40 | 12 | 00 | 00 | | 020 | 207 39 RADAT 20105 | DC |
| SA | 0458 | CLR | 20 | | | 219 | 42 | 14 | 02 | 04 | | 021 | | DC |
| SA | 0552 | CLR | 20 | | | 221 | 39 | 13 | 33 | 04 | | 021 | | DC |
| SA | 0655 | CLR | 20 | | | 221 | 47 | 15 | 00 | 00 | | 022 | 207 | DC |
| SA | 0756 | CLR | 20 | | | 225 | 55 | 16 | 08 | 02 | | 024 | | DC |
| SA | 0855 | CLR | 20 | | | 225 | 60 | 14 | 00 | 00 | | 024 | | DC |
| SA | 0957 | CLR | 20 | | | 221 | 64 | 14 | 00 | 00 | | 023 | 003 39 | DC |
| SA | 1052 | CLR | 20 | | | 217 | 67 | 12 | 36 | 07 | | 022 | | DC |
| SA | 1151 | CLR | 20 | | | 208 | 69 | 15 | 34 | 06 | | 020 | | DC |
| SA | 1255 | CLR | 20 | | | 200 | 71 | 16 | 01 | 04 | | 017 | 819 | DC |
| SA | 1355 | CLR | 20 | | | 192 | 73 | 17 | 32 | 02 | | 015 | | DC |
| SA | 1450 | CLR | 20 | | | 190 | 73 | 17 | 00 | 00 | | 014 | | DC |
| SA | 1552 | CLR | 20 | | | 191 | 73 | 15 | 00 | 00 | | 014 | 608 74 RADAT 20121 | WRG |
| SA | 1652 | CLR | 20 | | | 191 | 71 | 13 | 14 | 07 | | 014 | | WRG |
| SA | 1752 | CLR | 20 | | | 196 | 62 | 7 | 12 | 08 | | 014 | | WRG |
| SA | 1852 | CLR | 20 | | | 202 | 60 | 7 | 11 | 07 | | 016 | 307 | WRG |
| SA | 1952 | CLR | 20 | | | 202 | 53 | 11 | 08 | 04 | | 016 | | WRG |
| SA | 2050 | CLR | 20 | | | 205 | 51 | 11 | 00 | 00 | | 017 | | WRG |
| SA | 2152 | CLR | 20 | | | 207 | 50 | 11 | 06 | 04 | | 018 | 307 74 | WRG |
| SA | 2252 | CLR | 20 | | | 210 | 48 | 14 | 00 | 00 | | 019 | | WRG |
| SA | 2352 | CLR | 20 | | | 210 | 46 | 15 | 12 | 04 | | 019 | | WRG |

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

FM12-VII: Iiii $i_R i_x$ hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP 5appp 6RRR$i_R$ 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: OCT 13 1986

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 52 | 26.750 | | | 23 | 0 | | | | | | | | | | | | | | | | | | | | 00-01 |
| 01 52 | 26.760 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 01-02 |
| 02 50 | 26.760 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.770 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 03-04 |
| 04 58 | 26.780 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 52 | 26.780 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.790 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 06-07 |
| 07 56 | 26.810 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.810 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.800 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 09-10 |
| 10 52 | 26.790 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.770 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 55 | 26.745 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 8 | .055 | | | 12-13 |
| 13 55 | 26.730 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.720 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.720 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | 6 | .025 | | | 15-16 |
| 16 52 | 26.720 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.720 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.740 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 52 | 26.740 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.750 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.760 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 52 | 26.770 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.770 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 48 | 39 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 51 | 39 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 64 | 39 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 74 | 64 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 73 | 49 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 52 | 45 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0953 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.770 | 26.800 | 26.720 | 26.760 |
| BAROGRAPH 64 | 26.760 | 26.795 | 26.720 | 26.755 |
| BAR. CORR. 65 | +.010 | +.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 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 | 39 | 0 | 0 | 0 | 12 | N | 1215 | | | | | 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 0549 SUNSET 1712

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: 0900 ±0 Sec./ 2247 ±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 (5-63)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: OCT 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 (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 209 | 45 | 12 | 09 | 05 | | 019 | 103 | WRG |
| SA | 0152 | CLR | 20 | | | 205 | 45 | 12 | 15 | 04 | | 018 | | WRG |
| SA | 0250 | CLR | 20 | | | 202 | 42 | 15 | 00 | 00 | | 017 | | WRG |
| SA | 0357 | CLR | 20 | | | 209 | 40 | 16 | 36 | 03 | | 019 | 502 40 RADAT 20127 | DC |
| SA | 0454 | CLR | 20 | | | 209 | 43 | 14 | 11 | 03 | | 019 | | DC |
| SA | 0551 | CLR | 20 | | | 214 | 42 | 14 | 15 | 02 | | 019 | | DC |
| SA | 0655 | CLR | 20 | | | 216 | 49 | 14 | 00 | 00 | | 021 | 305 | DC |
| SA | 0756 | CLR | 20 | | | 216 | 57 | 12 | 00 | 00 | | 021 | | DC |
| SA | 0853 | CLR | 20 | | | 208 | 66 | 12 | 03 | 04 | | 020 | | DC |
| SA | 0954 | CLR | 20 | | | 202 | 70 | 14 | 01 | 05 | | 018 | 807 40 | DC |
| SA | 1046 | CLR | 20 | | | 195 | 73 | 18 | 33 | 03 | | 016 | | DC |
| SA | 1155 | CLR | 20 | | | 185 | 77 | 21 | 27 | 07 | | 014 | | DC |
| SA | 1253 | CLR | 20 | | | 176 | 77 | 20 | 20 | 08 | | 012 | 722 | DC |
| SA | 1356 | CLR | 20 | | | 171 | 78 | 21 | 21 | 03 | | 010 | | DC |
| SA | 1450 | CLR | 20 | | | 164 | 78 | 21 | 00 | 00 | | 008 | | DC |
| SA | 1552 | CLR | 20 | | | 161 | 79 | 21 | 14 | 08 | | 006 | 715 80 RADAT 20126 | WRG |
| SA | 1652 | CLR | 20 | | | 159 | 74 | 16 | 23 | 06 | | 006 | | WRG |
| SA | 1752 | CLR | 20 | | | 165 | 66 | 12 | 00 | 00 | | 006 | | WRG |
| SA | 1852 | CLR | 20 | | | 172 | 62 | 12 | 10 | 06 | | 008 | 305 | WRG |
| SA | 1952 | CLR | 20 | | | 175 | 57 | 13 | 11 | 06 | | 009 | | WRG |
| SA | 2050 | CLR | 20 | | | 179 | 52 | 16 | 09 | 05 | | 011 | | WRG |
| SA | 2152 | CLR | 20 | | | 176 | 52 | 14 | 00 | 00 | | 011 | 108 80 | WRG |
| SA | 2252 | CLR | 20 | | | 174 | 51 | 13 | 00 | 00 | | 011 | | WRG |
| SA | 2352 | CLR | 20 | | | 172 | 51 | 12 | 36 | 05 | | 011 | | WRG |

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered in 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: WSMO, DESERT ROCK, NV

DATE: OCT 14 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 | 26.770 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 52 | 26760 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.750 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 57 | 26.765 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | 5 | .005 | | | 03-04 |
| 04 54 | 26.765 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.765 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.780 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 06-07 |
| 07 56 | 26.780 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.770 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.760 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 09-10 |
| 10 46 | 26.740 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 55 | 26.715 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.695 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 7 | .065 | | | 12-13 |
| 13 56 | 26.680 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.660 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.650 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | 7 | .045 | | | 15-16 |
| 16 52 | 26.645 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.645 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26665 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 18-19 |
| 19 52 | 26.675 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26690 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26690 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | 1 | .025 | | | 21-22 |
| 22 52 | 26690 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26690 | | | 20 | 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 0350 | X | 0 | 0 | X | 49 | 40 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 52 | 40 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 70 | 40 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 80 | 70 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 79 | 51 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 55 | 50 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0951 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.765 | 26.760 | 26.650 | 26690 |
| BAROGRAPH 64 | 26.755 | 26.755 | 26645 | 26630 |
| BAR. CORR. 65 | +.010 | +.005 | +.005 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNNL. 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 | 40 | 0 | 0 | 0 | 14 | SW | 1217 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0550 SUNSET 1710

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: 1000P ± 0 Sec./ 2235P ± 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: OCT 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. (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) | OBS. STATION (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 173 | 49 | 13 | 00 | 00 | | 011 | 400 | WRG |
| SA | 0152 | CLR | 20 | | | 173 | 47 | 14 | 12 | 03 | | 011 | | WRG |
| SA | 0250 | CLR | 20 | | | 173 | 48 | 12 | 01 | 07 | | 011 | | WRG |
| SA | 0358 | CLR | 20 | | | 176 | 46 | 13 | 03 | 03 | | 012 | 303 46 RADAT 20122 | DC |
| SA | 0455 | CLR | 20 | | | 185 | 44 | 14 | 34 | 04 | | 013 | | DC |
| SA | 0553 | CLR | 20 | | | 190 | 45 | 13 | 00 | 00 | | 014 | CI SE-S | DC |
| SA | 0653 | CLR | 20 | | | 191 | 51 | 13 | 36 | 06 | | 014 | 107 1002 | DC |
| SA | 0750 | CLR | 20 | | | 192 | 60 | 12 | 35 | 03 | | 015 | CI E-SW | DC |
| SA | 0855 | 250 SCT | 20 | | | 189 | 67 | 12 | 12 | 09 | | 015 | | DC |
| SA | 0954 | 250 SCT | 20 | | | 186 | 71 | 14 | 12 | 08 | | 014 | 000 1002 41 | DC |
| SA | 1056 | 250 - SCT | 20 | | | 181 | 73 | 17 | 14 | 09 | | 013 | | DC |
| SA | 1151 | 250 - BKN | 20 | | | 172 | 75 | 19 | 14 | 09 | | 011 | | DC |
| SA | 1254 | 250 - BKN | 20 | | | 161 | 77 | 18 | 17 | 09 | | 008 | 820 1006 | DC |
| SA | 1356 | 250 - OVC | 20 | | | 162 | 77 | 20 | 23 | 07 | | 008 | | DC |
| SA | 1448 | E 250 OVC | 20 | | | 157 | 77 | 21 | 12 | 02 | | 007 | | DC |
| SA | 1552 | E 250 BKN | 20 | | | 156 | 77 | 20 | 00 | 00 | | 006 | 805 1004 73 RADAT 20119 | WRG |
| SA | 1652 | E 250 BKN | 20 | | | 163 | 74 | 17 | 19 | 04 | | 007 | | WRG |
| SA | 1752 | 250 - BKN | 20 | | | 166 | 70 | 23 | 20 | 05 | | 007 | | WRG |
| SA | 1852 | 160 SCT 250 - BKN | 20 | | | 172 | 61 | 23 | 03 | 06 | | 008 | 208 1071 | WRG |
| SA | 1952 | 160 SCT 250 - BKN | 20 | | | 174 | 58 | 22 | 04 | 05 | | 010 | | WRG |
| SA | 2050 | 250 - BKN | 20 | | | 172 | 59 | 21 | 07 | 05 | | 011 | FEW AC SE | WRG |
| SA | 2152 | 250 - BKN | 20 | | | 174 | 57 | 24 | 12 | 07 | | 012 | 210 1008 73 | WRG |
| SA | 2252 | 250 - SCT | 20 | | | 175 | 54 | 23 | 11 | 03 | | 012 | | WRG |
| SA | 2352 | 250 - SCT | 20 | | | 172 | 53 | 24 | 13 | 03 | | 011 | | 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 1-10A (1-82) WHICH MAY BE USED.

☆U.S. GPO: 1984-0-764-006/60085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: OCT 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 | 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 | 26.690 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 52 | 26.690 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.690 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.700 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 55 | 26.710 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.715 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.720 | | | 22 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 1 | .020 | | | 06-07 |
| 07 50 | 26.730 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.725 | | | 12 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 54 | 26.720 | | | 11 | 1 | 1 | CI | 250 | | | | | | | | | | | | 1 | 0 | .000 | | | 09-10 |
| 10 56 | 26.710 | | | 12 | 4 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 51 | 26.690 | | | 12 | 7 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 54 | 26.660 | | | 11 | 8 | 8 | CI | 250 | | | | | | | | | | | | 4 | 8 | .060 | | | 12-13 |
| 13 56 | 26.660 | | | 12 | 10 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 48 | 26.650 | | | 12 | 10 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 52 | 26.615 | | | 12 | 9 | 9 | CI | E250 | | | | | | | | | | | | 6 | 8 | .015 | | | 15-16 |
| 16 52 | 26.655 | | | 12 | 8 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 52 | 26.660 | | | 16 | 8 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 52 | 26.670 | | | 24 | 8 | 1 | AC | 160 | 7 | CI | 450 | 8 | | | | | | | | 4 | 2 | .025 | | | 18-19 |
| 19 52 | 26.680 | | | 25 | 6 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.690 | | | 23 | 6 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 52 | 26.700 | | | 27 | 7 | 7 | CS | 250 | | | | | | | | | | | | 3 | 2 | .030 | | | 21-22 |
| 22 52 | 26.700 | | | 30 | 5 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 52 | 26.690 | | | 33 | 3 | | | | | | | | | | | | | | | 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 0350 | X | 0 | 0 | X | 53 | 46 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 55 | 46 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 71 | 41 | | 0 | | | | | | | | |
| | 1578 | 3 | 0 | 0 | 0 | 78 | 71 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 77 | 55 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 58 | 51 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0951 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.720 | 26.645 | 26.700 |
| BAROGRAPH 64 | 26.685 | 26.710 | 26.635 | 26.685 |
| BAR. CORR. 65 | +.015 | +.010 | +.010 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 41 | 0 | 0 | 0 | 16 | SE | 1158 | | | | | 5 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0551 SUNSET 1709

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

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

TIME CHECK - CLOCK AT: 0910 P ⊙1 Sec./ 1913 ±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

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: OCT 16 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) | ORIGINATOR INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 250 -SCT | 20 | | | 171 | 52 | 24 | 04 | 05 | | 011 | 603 1001 | [illegible] |
| SA | 0152 | 250 -SCT | 20 | | | 170 | 47 | 24 | 33 | 05 | | 010 | | [illegible] |
| SA | 0250 | CLR | 20 | | | 164 | 51 | 24 | 00 | 00 | | 009 | FEW CI 50 | [illegible] |
| SA | 0352 | CLR | 20 | | | 174 | 48 | 24 | 07 | 03 | | 010 | 302 1001 76 RAWI 20116 | RD |
| SA | 0452 | CLR | 20 | | | 177 | 45 | 25 | 08 | 04 | | 012 | | RD |
| SA | 0553 | CLR | 20 | | | 184 | 43 | 25 | 06 | 04 | | 012 | | RD |
| SA | 0656 | CLR | 20 | | | 185 | 52 | 26 | 34 | 04 | | 013 | 303 | RD |
| SA | 0754 | CLR | 20 | | | 194 | 61 | 26 | 00 | 00 | | 014 | | RD |
| SA | 0852 | CLR | 20 | | | 180 | 67 | 25 | 00 | 00 | | 013 | | RD |
| SA | 0957 | CLR | 20 | | | 174 | 71 | 25 | 26 | 03 | | 012 | 803 43 | RD |
| SA | 1052 | CLR | 20 | | | 166 | 74 | 28 | 29 | 05 | | 010 | | RD |
| SA | 1152 | CLR | 20 | | | 159 | 75 | 27 | 14 | 05 | | 008 | | RD |
| SA | 1253 | CLR | 20 | | | 147 | 76 | 29 | 30 | 04 | | 004 | 724 1001 | RD |
| SA | 1354 | 250 -SCT | 20 | | | 140 | 77 | 31 | 23 | 07 | | 001 | | RD |
| SA | 1452 | 250 SCT | 20 | | | 133 | 78 | 29 | 14 | 09 | | 000 | | RD |
| SA | 1550 | CLR | 20 | | | 135 | 77 | 27 | 23 | 12 | | 000 | 612 79 RADAT 98107 | CH |
| SA | 1650 | CLR | 20 | | | 130 | 73 | 30 | 23 | 07 | | 998 | | CH |
| SA | 1750 | CLR | 20 | | | 137 | 70 | 30 | 23 | 08 | | 999 | | CH |
| SA | 1850 | CLR | 20 | | | 140 | 64 | 31 | 12 | 05 | | 000 | 500 | CH |
| SA | 1950 | CLR | 20 | | | 137 | 61 | 31 | 06 | 06 | | 000 | | CH |
| SA | 2050 | CLR | 20 | | | 137 | 60 | 30 | 00 | 00 | | 001 | | CH |
| SA | 2150 | CLR | 20 | | | 133 | 56 | 30 | 07 | 05 | | 000 | 000 79 | CH |
| SA | 2250 | CLR | 20 | | | 133 | 56 | 30 | 00 | 00 | | 000 | | CH |
| SA | 2350 | CLR | 20 | | | 130 | 53 | 29 | 00 | 00 | | 999 | | 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 1-10 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: OCT 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 52 | 26.690 | | | 34 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 2 | 6 | .010 | | | 00-01 |
| 01 52 | 26.680 | | | 40 | 2 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.670 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 57 | 26.695 | | | 39 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .005 | | | 03-04 |
| 04 52 | 26.695 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.700 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 56 | 26.705 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 06-07 |
| 07 54 | 26.715 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.710 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.695 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 09-10 |
| 10 52 | 26.680 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.660 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.625 | | | 18 | D | D | Ci | 250 | | | | | | | | | | | | D | 7 | .070 | | | 12-13 |
| 13 54 | 26.600 | | | 19 | 1 | | | | | | | | | | | | | | | D | | | | | 13-14 |
| 14 52 | 26.590 | | | 17 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 50 | 26.590 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 6 | .035 | | | 15-16 |
| 16 50 | 26.570 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.580 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.590 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 50 | 26.590 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.600 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.590 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 50 | 26.590 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.580 | | | 40 | 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 | | 55 | 46 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 58 | 46 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 77 | 43 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 79 | 71 | | 0 | | | | | | | | |
| | 2148 MID. | 4 | 0 | 0 | 0 | 77 | 33 | | 0 | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0956 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.67 | 26.67 | 26.71 | 26.71 |
| BAROGRAPH 64 | | | | |
| BAR. TEND. 65 | | | | |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79 | 43 | 0 | 0 | 0 | 20 | SW | 1533 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0552 SUNSET 1707

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: 0757 ± 0 Sec./ 1856 ± 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

DATE OCT 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 | 0050 | CLR | 20 | | | 128 | 55 | 28 | 02 | 04 | | 999 | 603 | CH |
| SA | 0150 | 250 SCT | 20 | | | 128 | 54 | 29 | 04 | 04 | | 999 | | CH |
| SA | 0250 | 250 SCT | 20 | | | 120 | 52 | 28 | 08 | 06 | | 996 | | CH |
| SA | 0354 | 200 SCT | 20 | | | 118 | 52 | 28 | 04 | 08 | | 996 | 708 1001 51 RAWAT 25123 | RD |
| SA | 0452 | 200 SCT | 20 | | | 124 | 50 | 28 | 06 | 04 | | 997 | | RD |
| SA | 0555 | E200 BKN | 20 | | | 126 | 52 | 29 | 01 | 08 | | 997 | | RD |
| SA | 0655 | E200 BKN | 20 | | | 126 | 50 | 30 | 03 | 04 | | 997 | 100 1008 | RD |
| SA | 0756 | 200 SCT | 20 | | | 131 | 54 | 30 | 35 | 03 | | 998 | | RD |
| SA | 0854 | E200 BKN | 20 | | | 123 | 69 | 29 | 21 | 04 | | 997 | FEW AC | RD |
| SA | 0958 | 160 SCT 200-BKN | 20 | | | 120 | 68 | 30 | 22 | 18 | | 996 | 803 1098 48 | RD |
| SA | 1050 | 200 -BKN | 20 | | | 111 | 70 | 30 | 22 | 18 | | 993 | FEW AC | RD |
| SA | 1154 | 200 -BKN | 20 | | | 108 | 71 | 27 | 23 | 19 | 630 | 992 | FEW AC | RD |
| SA | 1255 | 160 SCT 200-BKN | 20 | | | 105 | 71 | 26 | 22 | 19 | 628 | 992 | 612 1098 | RD |
| SA | 1350 | 160 SCT E200 BKN | 20 | | | 102 | 70 | 27 | 23 | 19 | | 990 | ~~FEW AC~~ | RD |
| SA | 1450 | 200 SCT | 20 | | | 101 | 70 | 26 | 22 | 10 | | 989 | FEW AC | RD |
| SA | 1550 | 200 SCT | 20 | | | 102 | 69 | 27 | 24 | 10 | | 990 | 505 1008 73 | CH |
| | | | | | | | | | | | | | RADAT 20119 | |
| SA | 1650 | 200 SCT | 20 | | | 105 | 66 | 26 | 23 | 10 | | 990 | | CH |
| SA | 1750 | 200 SCT | 20 | | | 102 | 63 | 25 | 21 | 08 | | 988 | | CH |
| SA | 1850 | 200 SCT | 20 | | | 101 | 60 | 26 | 05 | 04 | | 988 | 80 75 1008 | CH |
| SA | 1950 | 200 SCT | 20 | | | 093 | 59 | 26 | 20 | 08 | | 987 | | CH |
| SA | 2050 | 200 SCT | 20 | | | 091 | 54 | 27 | 01 | 08 | | 987 | | CH |
| SA | 2150 | CLR | 20 | | | 092 | 52 | 28 | 02 | 05 | | 987 | 605 73 | CH |
| SA | 2250 | CLR | 20 | | | 089 | 54 | 28 | 00 | 00 | | 987 | | CH |
| SA | 2350 | CLR | 20 | | | 088 | 54 | 28 | 03 | 05 | | 987 | | 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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ 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: OCT 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 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.580 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 00-01 |
| 01 50 | 26.580 | | | 38 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.560 | | | 39 | 2 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 54 | 26.555 | | | 40 | 2 | 2 | Ci | 200 | | | | | | | | | | | | 2 | 7 | .025 | | | 03-04 |
| 04 52 | 26.560 | | | 43 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 55 | 26.560 | | | 41 | 7 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 55 | 26.560 | | | 35 | 8 | 8 | Cs | 200 | | | | | | | | | | | | 6 | 1 | .005 | | | 06-07 |
| 07 56 | 26.570 | | | 33 | 5 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 54 | 26.560 | | | 24 | 8 | | | | | | | | | | | | | | | 5 | | | | | 08-09 |
| 09 55 | 26.550 | | | 24 | 8 | 1 | Ac | 160 | 7 | Cs | 200 | 8 | | | | | | | | 3 | 8 | .010 | | | 09-10 |
| 10 52 | 26.530 | | | 23 | 8 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 54 | 26.520 | | | 19 | 8 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 55 | 26.515 | | | 19 | 8 | 1 | Ac | 160 | 7 | Cs | 200 | 8 | | | | | | | | 4 | 6 | .025 | | | 12-13 |
| 13 50 | 26.500 | | | 20 | 6 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.495 | | | 19 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 50 | 26.500 | | | 21 | 4 | 4 | Cs | 200 | | | | | | | | | | | | 3 | 5 | .015 | | | 15-16 |
| 16 50 | 26.500 | | | 22 | 4 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 50 | 26.490 | | | 23 | 4 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 50 | 26.485 | | | 27 | 4 | 4 | Cs | 200 | | | | | | | | | | | | 3 | 8 | .015 | | | 18-19 |
| 19 50 | 26.470 | | | 28 | 4 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.470 | | | 35 | 3 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 50 | 26.470 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | 6 | .015 | | | 21-22 |
| 22 50 | 26.470 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.470 | | | 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 0348 | | 0 | 0 | | 58 | 51 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 60 | 51 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 68 | 48 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 73 | 48 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 69 | 52 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 57 | 51 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0953 | 0959 | 1348 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.555 | 26.555 | 26.535 | 26.470 |
| BAROGRAPH 64 | 26.554 | 26.555 | 26.535 | 26.465 |
| BAR. CORR. 65 | +.001 | +.00 | -.00 | +.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 UNHL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 48 | 0 | 0 | 0 | 32 | SW | 1157 | | | | | 6 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0553 SUNSET 1706

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: 0723 ± 0 Sec./ 1956 ± 0 Sec./ ± Sec.

Adjusted Microbarograph AT 0957 LST 1350/1349

1850/ 2110

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 OCT 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. (Mb) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 095 | 51 | 30 | 35 | 06 | | 988 | 303 | CH |
| SA | 0150 | CLR | 20 | | | 096 | 50 | 31 | 34 | 08 | | 988 | | CH |
| SA | 0250 | 200 SCT | 20 | | | 100 | 48 | 31 | 30 | 07 | | 989 | | CH |
| SA | 0357 | 100 SCT 200 SCT | 20 | | | 096 | 48 | 32 | 30 | 06 | | 988 | 000 1051 47 RAWH 55071 | RD |
| SA | 0455 | 100 SCT | 20 | | | 103 | 50 | 33 | 29 | 05 | | 989 | | RD |
| SA | 0551 | 60 SCT 100 SCT | 20 | | | 110 | 49 | 33 | 22 | 07 | | 990 | | RD |
| SA | 0654 | 90 SCT | 20 | | | 115 | 49 | 33 | 24 | 07 | | 992 | 212 1050 | RD |
| SA | 0754 | 90 SCT | 20 | | | 118 | 53 | 34 | 21 | 10 | | 993 | | RD |
| SA | 0853 | 90 SCT 90 SCT | 20 | | | 124 | 55 | 36 | 23 | 04 | | 994 | | RD |
| SA | 0956 | 60 SCT | 20 | | | 117 | 58 | 34 | 22 | 13 | | 993 | 003 1500 47 | RD |
| SA | 1055 | 60 SCT | 20 | | | 106 | 62 | 34 | 26 | 12 | | 991 | | RD |
| SA | 1151 | E60 BKN | 20 | | | 105 | 63 | 34 | 27 | 13 | 20 | 990 | | RD |
| SA | 1252 | 60 SCT | 20 | | | 106 | 62 | 34 | 26 | 10 | | 990 | VIRGA NE/C05 1500 | RD |
| SA | 1353 | 60 SCT 200 SCT | 20 | | | 106 | 62 | 34 | 28 | 12 | | 990 | | RD |
| SA | 1456 | 60 SCT 200 SCT | 20 | | | 108 | 63 | 35 | 29 | 09 | | 990 | | RD |
| SA | 1550 | 60 SCT 200-BKN | 20 | | | 110 | 60 | 36 | 06 | 04 | | 990 | 400 1101 63 PADA 65078 | CH |
| SA | 1650 | 60 SCT 200-BKN | 20 | | | 113 | 58 | 35 | 30 | 08 | | 991 | | CH |
| SA | 1750 | 200-BKN | 20 | | | 115 | 56 | 35 | 30 | 05 | | 991 | | CH |
| SA | 1850 | 200-BKN | 20 | | | 124 | 55 | 36 | 02 | 10 | | 993 | 210 1001 | CH |
| SA | 1950 | 60 SCT E200 OVC | 20 | | | 121 | 54 | 40 | 04 | 10 | | 993 | | CH |
| SA | 2050 | 60 SCT E200 OVC | 20 | | | 125 | 53 | 41 | 06 | 06 | | 994 | | CH |
| SA | 2150 | 50 SCT E200 OVC | 20 | | | 123 | 53 | 41 | 05 | 04 | | 994 | 203 1401 63 | CH |
| SA | 2250 | E50 BKN 200 OVC | 7 | R- | R- | 118 | 51 | 42 | 04 | 07 | | 993 | RB06 | CH |
| SA | 2350 | E50 BKN 200 OVC | 7 | | | 122 | 51 | 41 | 04 | 07 | | 994 | RE39 | CH |
| ~~SA~~ | | ~~E50 BKN 200 OVC~~ | ~~7~~ | | | | | | | | | | | |

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: OCT 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 | 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 | 26.480 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 00-01 |
| 01 50 | 26.480 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.490 | | | 52 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 57 | 26.480 | | | 54 | 3 | 3 | Ac | 100 | 0 | Cl | 200 | 3 | | | | | | | | 2 | 0 | .000 | | | 03-04 |
| 04 55 | 26.495 | | | 52 | 3 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 51 | 26.500 | | | 54 | 2 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 54 | 26.515 | | | 54 | 2 | 2 | Ac | 90 | | | | | | | | | | | | 2 | 2 | .020 | | | 06-07 |
| 07 54 | 26.530 | | | 49 | 2 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 53 | 26.540 | | | 49 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 54 | 26.525 | | | 41 | 2 | 2 | Sc | 60 | | | | | | | | | | | | 2 | 0 | .010 | | | 09-10 |
| 10 55 | 26.505 | | | 34 | 4 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 51 | 26.500 | | | 34 | 6 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 52 | 26.500 | | | 35 | 4 | 4 | Sc | 60 | | | | | | | | | | | | 4 | 6 | .025 | | | 12-13 |
| 13 53 | 26.500 | | | 35 | 4 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 56 | 26.500 | | | 36 | 4 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 50 | 26.500 | | | 41 | 7 | 3 | Cu | 60 | 4 | Cl | 200 | 7 | | | | | | | | 3 | 4 | .000 | | | 15-16 |
| 16 50 | 26.510 | | | 42 | 7 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 50 | 26.510 | | | 45 | 7 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 50 | 26.530 | | | 49 | 8 | 8 | Cl | 200 | | | | | | | | | | | | 3 | 2 | .000 | | | 18-19 |
| 19 50 | 26.530 | | | 59 | 10 | | | | | | | | | | | | | | | 8 | | | | | 19-20 |
| 20 50 | 26.540 | | | 64 | 10 | | | | | | | | | | | | | | | 7 | | | | | 20-21 |
| 21 50 | 26.540 | | | 64 | 10 | 4 | Sc | 50 | 6 | Cl | E200 | 10 | | | | | | | | 8 | 2 | .010 | | | 21-22 |
| 22 50 | 26.530 | | | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26.540 | | | 69 | 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 0359 | | 0 | 0 | | 54 | 47 | | | | | | | | | | |
| | 0359 | 1 | 0 | 0 | 0 | 57 | 47 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 59 | 48 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 63 | 58 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 60 | 53 | | 0 | | | | | | | | |
| | MID. | | T | 0 | 0 | 53 | 51 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0356 | 0955 | 1553 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.495 | 26.525 | 26.500 | 26.540 |
| BAROGRAPH 64 | 26.475 | 26.525 | 26.500 | 26.510 |
| BAR. CORR. 65 | [illegible] | 0 | 0 | -.030 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | 47 | T | 0 | 0 | 20 | W | 1148 | | | | | 4 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 2200 | 2339 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0554 SUNSET 1705

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: 0828 ± 0 Sec./ 1859 ± 0 Sec./ ± Sec.

2150/2150

2250/2250

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: OCT 19 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 (°F) (7) | DEW PT (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND GUSTS (Kts.) (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | QUALITY CONTROL (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | E50 BKN 200 OVC | 7 | | | 119 | 50 | 41 | 00 | 00 | | 993 | 81000 1402 | CH |
| SA | 0150 | E50 BKN 180 OVC | 7 | | R- | 118 | 50 | 41 | 34 | 05 | | 993 | RB11 | CH |
| SA | 0250 | E50 BKN 180 OVC | 7 | | R- | 119 | 49 | 40 | 04 | 05 | | 993 | | CH |
| SA | 0358 | E50 OVC | 7 | | R- | 125 | 47 | 39 | 31 | 03 | | 994 | 30302 1711 47 20001 | CG |
| / | / | | | | | | | 43 | | | | | RAOAT 91072 | / |
| SA | 0458 | E50 OVC | 10 | | | 125 | 47 | 44 | 01 | 05 | | 996 | RF22 | CG |
| SA | 0552 | E50 OVC | 15 | | | 136 | 45 | 41 | 05 | 10 | | 996 | | CG |
| SA | 0652 | E50 BKN | 20 | | | 141 | 46 | 43 | 02 | 07 | | 997 | 21001 1100 | CG |
| SA | 0754 | E50 BKN | 20 | | | 141 | 48 | 44 | 04 | 06 | | 998 | | CG |
| SA | 0855 | 50 SCT 250 SCT | 20 | | | 144 | 51 | 44 | 05 | 05 | | 998 | | CG |
| SA | 0955 | 50 SCT 250 SCT | 20 | | | 137 | 55 | 42 | 12 | 03 | | 997 | 00001 1768 45 | CG |
| SA | 1058 | 50 SCT 250 SCT | 20 | | | 136 | 58 | 37 | 05 | 04 | | 997 | | CG |
| SA | 1154 | E40 BKN 250 OVC | 20 | | | 136 | 59 | 36 | 02 | 05 | | 997 | | CG |
| SA | 1254 | E40 BKN | 20 | | RW- | 134 | 56 | 37 | 35 | 11 | | 996 | *80300 1200 *RB30 | CG |
| SA | 1357 | E40 OVC | 20 | | | 134 | 57 | 36 | 07 | 07 | | 996 | RF04 | CG |
| SA | 1459 | E40 BKN | 20 | | | 137 | 58 | 35 | 10 | 08 | | 997 | | CG |
| SA | 1554 | E40 BKN 140 OVC | 20 | | | 139 | 56 | 38 | 12 | 11 | | 998 | 10300 117/61 RADAT 72081 | CG |
| SA | 1652 | H0 SCT 140 SCT E250 OVC | 20 | | | 143 | 56 | 37 | 11 | 10 | | 999 | | CG |
| SA | 1751 | H0 SCT 140 SCT E250 OVC | 20 | | | 145 | 54 | 37 | 14 | 09 | | 999 | | CG |
| SA | 1850 | H0 SCT 140 SCT E250 OVC | 20 | | | 149 | 54 | 39 | 12 | 07 | | 000 | 907 1477 | CG |
| SA | 1953 | E40 BKN 140 OVC | 20 | | | 155 | 53 | 42 | 02 | 11 | | 002 | | CG |
| SA | 2051 | E40 OVC | 15 | | RW- | 164 | 49 | 44 | 04 | 14 | | 004 | RB45 | CG |
| SA | 2152 | M32 OVC | 10 | | RW- | 175 | 47 | 44 | 01 | 11 | | 008 | 22406 1511 61 | CG |
| SA | 2250 | M30 OVC | 10 | | RW- | 177 | 46 | 44 | 06 | 09 | | 009 | | CG |
| RS | 2355 | M22 OVC | 10 | | RW- | 180 | 46 | 44 | 11 | 03 | | 010 | | CG |

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 (1-82) 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: OCT 19 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 | 26.530 | | | 71 | 10 | 7 | SC | F50 | 3 | CI | 200 | 10 | | | | | | | | 10 | 8 | .010 | | | 00-01 |
| 01 50 | 26.530 | | | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.530 | | | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 58 | 26.540 | | | 86 | 10 | 10 | CUFRA | F50 | | | | | | | | | | | | 10 | 3 | .010 | | | 03-04 |
| 04 58 | 26.560 | | | 89 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 52 | 26.560 | | | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 53 | 26.570 | | | 89 | 7 | 7 | CUFRA | F50 | | | | | | | | | | | | 7 | 2 | .030 | | | 06-07 |
| 07 51 | 26.580 | | | 77 | 9 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 55 | 26.580 | | | 68 | 5 | | | | | | | | | | | | | | | 5 | | | | | 08-09 |
| 09 55 | 26.570 | | | 59 | 4 | | 1 CUFRA | 50 | 3 | CS | 250 | 4 | | | | | | | | 3 | 0 | .000 | | | 09-10 |
| 10 58 | 26.570 | | | 45 | 5 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 54 | 26.570 | | | 42 | 7 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 54 | 26.560 | | | 49 | 9 | 9 | CU | F40 | | | | | | | | | | | | 9 | 8 | .010 | | | 12-13 |
| 13 57 | 26.560 | | | 45 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 59 | 26.570 | | | 42 | 9 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 54 | 26.570 | | | 51 | 10 | 7 | CU | F40 | 3 | AC | 140 | 10 | | | | | | | | 9 | 1 | .010 | | | 15-16 |
| 16 52 | 26.580 | | | 49 | 10 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 51 | 26.580 | | | 53 | 10 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 50 | 26.590 | | | 57 | 10 | 3 | SC | 40 | 2 | AC | 140 | 5 | 10 | CS | F250 | 10 | | | | 8 | 2 | .020 | | | 18-19 |
| 19 53 | 26.610 | | | 66 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 51 | 26.630 | | | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 52 | 26.660 | | | 89 | 10 | 10 | SC | M32 | | | | | | | | | | | | 10 | 2 | .070 | | | 21-22 |
| 22 50 | 26.670 | | | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 55 | 26.680 | | | 93 | 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 | | .01 | 0 | | 51 | 47 | | | | | | | | | | |
| | 0350 | 3 | .01 | 0 | 0 | 53 | 47 | | 2 | | | | | | | | |
| | 0950 | 2 | .01 | 0 | 0 | 55 | 45 | | 1 | | | | | | | | |
| | 1550 | 3 | T | 0 | 0 | 61 | 53 | | 0 | | | | | | | | |
| | 2148 | 4 | .06 | 0 | 0 | 56 | 47 | | 2 | | | | | | | | |
| | MID. | | .20 | 0 | 0 | 47 | 46 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0958 | 0955 | 1554 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSERVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.540 | 26.570 | 26.570 | 26.660 |
| BAROGRAPH 64 | 26.530 | 26.570 | 26.560 | 26.645 |
| BAR. CORR. 65 | +.010 | 0 | +.010 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 45 | .28 | 0 | 0 | 17 | NE | 2053 | | | | | 8 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 0111 | 0433 | | | |
| RW- | 1256 | 1304 | | | |
| RW- | 2045 | CONT. | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0555 SUNSET 1704

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: 0630P (E) 0 Sec./ 1849 ± 0 Sec./ ± Sec.

03:8P/0358P

0358P 7mu 0955P/1059P

0050/APP 5D3/1000 10/23/86

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: OCT 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 (7) | DEW PT. (8) | WIND DIRECTION (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RS | 0054 | 8 SCT M22 OVC | 10 | | RW- | 183 | 46 | 44 | 07 | 05 | | 010 | 10727 17// | |
| SA | 0153 | M22 BKN 55 BKN | 20 | | | 182 | 47 | 44 | 08 | 03 | | 010 | RE17 | |
| RS | 0253 | 22 SCT M45 BKN | 20 | | | 182 | 45 | 44 | 11 | 08 | | 010 | | |
| SA | 0359 | M45 BKN | 20 | | | 178 | 45 | 43 | 11 | 10 | | 008 | 80327 1500 45 20034 | CG |
| | | | | | | | | | | | | | RADAT 94070 | |
| SA | 0459 | E45 BKN | 20 | | | 183 | 46 | 42 | 11 | 07 | | 010 | | CG |
| SA | 0552 | 45 SCT 250 SCT | 20 | | | 185 | 43 | 42 | 36 | 05 | | 010 | | CG |
| SA | 0658 | 45 SCT | 20 | | | 187 | 46 | 43 | 16 | 04 | | 011 | 307 1500 | CG |
| SA | 0755 | CLR | 20 | | | 189 | 51 | 44 | 02 | 06 | | 012 | | CG |
| SA | 0859 | CLR | 20 | | | 190 | 53 | 42 | 01 | 07 | | 012 | | CG |
| SA | 0952 | 50 SCT | 20 | | | 186 | 56 | 41 | 05 | 06 | | 011 | 000 1100 43 | CG |
| SA | 1059 | 50 SCT | 20 | | | 186 | 58 | 38 | 36 | 07 | | 011 | | CG |
| SA | 1155 | 50 SCT | 20 | | | 176 | 60 | 38 | 03 | 06 | | 008 | | CG |
| SA | 1255 | 50 SCT | 20 | | | 167 | 62 | 37 | 05 | 10 | | 006 | 814 1200 | CG |
| SA | 1354 | 50 SCT 250 SCT | 20 | | | 163 | 63 | 37 | 06 | 06 | | 005 | | CG |
| SA | 1450 | 50 SCT 250 SCT | 20 | | | 162 | 60 | 40 | 11 | 07 | | 004 | | CG |
| SA | 1550 | 50 SCT | 20 | | | 160 | 62 | 39 | 14 | 06 | | 004 | 607 1100 64 RADAT 80085 | |
| SA | 1650 | CLR | 20 | | | 161 | 60 | 39 | 11 | 05 | | 004 | FEW CU CI | |
| SA | 1755 | CLR | 20 | | | 170 | 56 | 42 | 08 | 06 | | 006 | | |
| SA | 1853 | CLR | 20 | | | 176 | 54 | 42 | 04 | 04 | | 008 | 310 | |
| SA | 1956 | CLR | 20 | | | 175 | 50 | 45 | 35 | 03 | | 008 | | |
| SA | 2054 | CLR | 20 | | | 178 | 50 | 43 | 32 | 03 | | 009 | | |
| SA | 2150 | CLR | 20 | | | 176 | 50 | 43 | 09 | 05 | | 009 | 103 64 | |
| SA | 2252 | CLR | 20 | | | 176 | 47 | 44 | 08 | 04 | | 009 | | |
| SA | 2352 | CLR | 20 | | | 176 | 46 | 43 | 15 | 03 | | 009 | | |

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 $6RRRt_R$ $7ww_1W_1W_2$ $8N_hC_LC_MC_H$ 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: OCT 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 51 | 26.680 | | | 93 | 10 | 3 | CUFRA | 8 | 10 | CUFRA | M22 | 10 | | | | | | | | 10 | 1 | .020 | | | 00-01 |
| 01 53 | 26.680 | | | 89 | 9 | | | | | | | | | | | | | | | 9 | | | | | 01-02 |
| 02 53 | 26.680 | | | 96 | 9 | | | | | | | | | | | | | | | 9 | | | | | 02-03 |
| 03 59 | 26.670 | | | 93 | 7 | 7 | SC | M45 | | | | | | | | | | | | 7 | 8 | .010 | | | 03-04 |
| 04 57 | 26.680 | | | 86 | 6 | | | | | | | | | | | | | | | 6 | | | | | 04-05 |
| 05 52 | 26.680 | | | 96 | 3 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 58 | 26.690 | | | 89 | 1 | 1 | SC | 45 | | | | | | | | | | | | 1 | 3 | .020 | | | 06-07 |
| 07 55 | 26.700 | | | 77 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 59 | 26.700 | | | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.690 | | | 57 | 1 | 1 | CU | 50 | | | | | | | | | | | | 1 | 0 | .000 | | | 09-10 |
| 10 59 | 26.650 | | | 47 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 55 | 26.670 | | | 44 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 55 | 26.650 | | | 39 | 4 | 4 | CU | 50 | | | | | | | | | | | | 4 | 8 | .040 | | | 12-13 |
| 13 54 | 26.640 | | | 38 | 5 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 50 | 26.630 | | | 48 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 50 | 26.630 | | | 43 | 2 | 2 | CU | 50 | | | | | | | | | | | | 2 | 6 | .020 | | | 15-16 |
| 16 50 | 26.630 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.645 | | | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.660 | | | 64 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 18-19 |
| 19 56 | 26.660 | | | 83 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 54 | 26.670 | | | 77 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.670 | | | 77 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 21-22 |
| 22 52 | 26.670 | | | 89 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.670 | | | 89 | 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 0354 | X | .07 | 0 | X | 47 | 45 | X | X | | | | | | X | | |
| | 0354 | 1 | .27 | 0 | 0 | 47 | 45 | | 2 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 56 | 43 | | 1 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 64 | 56 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 62 | 49 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 50 | 46 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0859 | 0952 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.670 | 26.690 | 26.630 | 26.670 |
| BAROGRAPH 64 | 26.660 | 26.690 | 26.635 | 26.665 |
| BAR. CORR. 65 | +.010 | 0 | -.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 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 43 | .07 | 0 | 0 | 13 | NE | 1302 | | | | | 2 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 86 | ENDED 87 |
|---|---|---|---|---|---|
| RW- | CONT | 0117 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0556 SUNSET 1702

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: 0818 ± 0 Sec./ 1858 ± 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

DATE OCT 21 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 | 0050 | CLR | 20 | | | 178 | 47 | 42 | 00 | 00 | | 010 | 303 | [illegible] |
| SA | 0157 | CLR | 20 | | | 174 | 46 | 41 | 04 | 04 | | 009 | | [illegible] |
| SA | 0250 | CLR | 20 | | | 174 | 44 | 42 | 32 | 03 | | 008 | | [illegible] |
| SA | 0350 | CLR | 20 | | | 171 | 45 | 40 | 18 | 03 | | 008 | 607 43 RADAT 50091 | [illegible] |
| SA | 0459 | CLR | 20 | | | 175 | 42 | 40 | 36 | 02 | | 008 | | CG |
| SA | 0554 | CLR | 20 | | | 180 | 42 | 40 | 07 | 04 | | 009 | | CG |
| SA | 0657 | CLR | 20 | | | 182 | 48 | 44 | 34 | 02 | | 010 | 307 | CG |
| SA | 0759 | CLR | 20 | | | 185 | 53 | ~~53~~ 44 | ~~42~~ 46 | 02 | | 011 | | CG |
| SA | 0854 | CLR | 20 | | | 178 | 60 | 40 | 01 | 03 | | 010 | | CG |
| SA | 0956 | CLR | 20 | | | 176 | 63 | 39 | 18 | 02 | | 010 | 000 41 | CG |
| SA | 1054 | CLR | 20 | | | 170 | 64 | 39 | 23 | 03 | | 007 | | CG |
| SA | 1155 | CLR | 20 | | | 162 | 66 | 35 | 03 | 07 | | 005 | | CG |
| SA | 1254 | CLR | 20 | | | 153 | 68 | 34 | 34 | 05 | | 003 | 720 1508 | CG |
| SA | 1353 | CLR | 20 | | | 144 | 69 | 34 | 05 | 08 | | 001 | | CG |
| SA | 1450 | CLR | 20 | | | 142 | 69 | 35 | 36 | 07 | | 999 | | CG |
| SA | 1555 | CLR | 20 | | | 142 | 68 | 35 | 15 | 08 | | 000 | 610 1408 69 RADAT 50095 | [illegible] |
| SA | 1655 | CLR | 20 | | | 146 | 64 | 35 | 13 | 07 | | 000 | FEW C1 | [illegible] |
| SA | 1755 | CLR | 20 | | | 151 | 61 | 35 | 12 | 08 | | 001 | | [illegible] |
| SA | 1853 | CLR | 20 | | | 150 | 57 | 38 | 08 | 08 | | 001 | 103 1001 | [illegible] |
| SA | 1952 | CLR | 20 | | | 148 | 56 | 39 | 29 | 04 | | 001 | | [illegible] |
| SA | 2056 | CLR | 20 | | | 146 | 54 | 38 | 00 | 00 | | 001 | | [illegible] |
| SA | 2154 | CLR | 20 | | | 145 | 52 | 40 | 32 | 04 | | 001 | 400 1001 69 | [illegible] |
| SA | 2256 | 250-SCT | 20 | | | 145 | 51 | 40 | 36 | 05 | | 001 | | [illegible] |
| SA | 2357 | 250-SCT | 20 | | | 145 | 49 | 41 | 01 | 07 | | 001 | | [illegible] |

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 $1s_n TTT$ $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP 5appp $6RRRt_R$ $7ww W_1 W_2$ $8N_h C_L C_M C_H$ 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 NEVADA

DATE: OCT 21 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 | 26.680 | | | 83 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 00-01 |
| 01 57 | 26.670 | | | 83 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.660 | | | 92 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.660 | | | 83 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 03-04 |
| 04 59 | 26.660 | | | 93 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.670 | | | 93 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 57 | 26.680 | | | 86 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 59 | 26.690 | | | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.680 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.680 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 54 | 26.660 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 55 | 26.640 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 54 | 26.620 | | | 28 | 0 | 0 | Sc | 40 | 0 | Cs | 200 | 0 | | | | | | | | 0 | 7 | .060 | | | 12-13 |
| 13 53 | 26.600 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.590 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 55 | 26.590 | | | 30 | 0 | 0 | Sc | 40 | 0 | Cs | 230 | 0 | | | | | | | | 0 | 6 | .030 | | | 15-16 |
| 16 55 | 26.590 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.600 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.600 | | | 49 | 0 | 0 | Ci | 230 | | | | | | | | | | | | 0 | 1 | .010 | | | 18-19 |
| 19 52 | 26.600 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 56 | 26.600 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.600 | | | 63 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 4 | .000 | | | 21-22 |
| 22 56 | 26.600 | | | 66 | 1 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 57 | 26.600 | | | 74 | 2 | | | | | | | | | | | | | | | 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 | | 48 | 43 | | | | | | | | | | |
| | 0345 | 1 | 0 | 0 | 0 | 50 | 43 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 64 | 41 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 69 | 62 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 68 | 52 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 52 | 48 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0953 | 1555 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.660 | 26.680 | 26.590 | 26.600 |
| BAROGRAPH 64 | 26.655 | 26.680 | 26.580 | 26.590 |
| BAR. CORR. 65 | +.005 | *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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 41 | 0 | 0 | 0 | 13 | NE | 1303 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0556 SUNSET 1701

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: 0704P ± 0 Sec./ 1859 ± 0 Sec./ ± Sec.

0759P/0759P *BAROGRAPH CHART CHANGED AND RESET TO ZERO Corr.

0951P/0951P

SP=

RS=



☆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 OCT 22 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 | 0050 | 250-SCT | 20 | | | 143 | 49 | 38 | 00 | 00 | | 001 | 400 1001 | [illegible] |
| SA | 0154 | 250-SCT | 20 | | | 143 | 47 | 40 | 27 | 03 | | 001 | | [illegible] |
| SA | 0251 | 250-SCT | 20 | | | 141 | 46 | 40 | 06 | 04 | | 000 | | [illegible] |
| SA | 0359 | 250-SCT | 20 | | | 138 | 46 | 39 | 04 | 07 | | 998 | 807 1001 45 RADAT 37108 | CG |
| SA | 0458 | 250-SCT | 20 | | | 140 | 46 | 39 | 34 | 02 | | 998 | | CG |
| SA | 0554 | 250-SCT | 20 | | | 145 | 47 | 38 | 01 | 04 | | 999 | | CG |
| SA | 0652 | 250-SCT | 20 | | | 148 | 51 | 38 | 07 | 05 | | 001 | 307 1008 | CG |
| SA | 0751 | 250-SCT | 20 | | | 149 | 58 | 37 | 02 | 08 | | 002 | | CG |
| SA | 0851 | 250-BKN | 20 | | | 145 | 59 | 36 | 03 | 13 | | 001 | | CG |
| SA | 0953 | 250-BKN | 20 | | | 145 | 62 | 37 | 01 | 08 | | 001 | 000 1008 44 | CG |
| SA | 1052 | 250-BKN | 20 | | | 126 | 68 | 36 | 13 | 08 | | 996 | | CG |
| SA | 1158 | 250-BKN | 20 | | | 118 | 70 | 35 | 01 | 04 | | 994 | | CG |
| SA | 1259 | 250-BKN | 20 | | | 115 | 70 | 35 | 12 | 06 | | 993 | 724 1008 | CG |
| SA | 1351 | 250-BKN | 20 | | | 111 | 72 | 34 | 14 | 08 | | 992 | | CG |
| SA | 1453 | 250-BKN | 20 | | | 108 | 72 | 33 | 06 | 07 | | 991 | | CG |
| SA | 1551 | 270-BKN | 20 | | | 104 | 72 | 33 | 09 | 04 | | 990 | 710 1001 73 RADAT 46109 | [illegible] |
| SA | 1653 | 270-BKN | 20 | | | 111 | 68 | 36 | 13 | 07 | | 991 | | [illegible] |
| SA | 1750 | 270-BKN | 20 | | | 116 | 63 | 37 | 14 | 06 | | 992 | | [illegible] |
| SA | 1855 | 270-BKN | 20 | | | 118 | 62 | 37 | 13 | 05 | | 993 | 210 1001 | [illegible] |
| SA | 1950 | 270-SCT | 20 | | | 119 | 59 | 39 | 12 | 05 | | 994 | | [illegible] |
| SA | 2052 | 270-SCT | 20 | | | 129 | 56 | 40 | 07 | 05 | | 997 | | [illegible] |
| SA | 2155 | 270-SCT | 20 | | | 132 | 54 | 40 | 08 | 05 | | 998 | 214 1001 73 | [illegible] |
| SA | 2257 | 270-BKN | 20 | | | 130 | 52 | 41 | 03 | 05 | | 998 | | [illegible] |
| SA | 2352 | 270-SCT | 20 | | | 130 | 50 | 42 | 35 | 04 | | 998 | | [illegible] |

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 $1s_n$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 1-10 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: OCT 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.600 | | | 66 | 3 | 3 | Cl | 250 | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 51 | 26.600 | | | 77 | 3 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.590 | | | 80 | 4 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 59 | 26.580 | | | 77 | 4 | 4 | Cl | 250 | | | | | | | | | | | | 1 | 8 | .020 | | | 03-04 |
| 04 58 | 26.580 | | | 77 | 2 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.590 | | | 71 | 4 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 52 | 26.600 | | | 61 | 5 | 5 | Cs | 250 | | | | | | | | | | | | 2 | 3 | .020 | | | 06-07 |
| 07 51 | 26.610 | | | 46 | 5 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 51 | 26.600 | | | 42 | 6 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 53 | 26.600 | | | 39 | 6 | 6 | Cs | 250 | | | | | | | | | | | | 2 | 0 | .000 | | | 09-10 |
| 10 52 | 26.560 | | | 31 | 6 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 58 | 26.540 | | | 28 | 6 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 59 | 26.530 | | | 28 | 6 | 6 | Cs | 250 | | | | | | | | | | | | 2 | 7 | .070 | | | 12-13 |
| 13 51 | 26.520 | | | 25 | 6 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 53 | 26.510 | | | 24 | 6 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 51 | 26.500 | | | 24 | 9 | 9 | Cl | 270 | | | | | | | | | | | | 4 | 7 | .030 | | | 15-16 |
| 16 53 | 26.510 | | | 31 | 9 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 50 | 26.520 | | | 38 | 8 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 55 | 26.530 | | | 39 | 8 | 8 | Cl | 270 | | | | | | | | | | | | 3 | 2 | .030 | | | 18-19 |
| 19 50 | 26.510 | | | 47 | 5 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 52 | 26.560 | | | 55 | 3 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 55 | 26.570 | | | 59 | 3 | 3 | Cl | 270 | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 57 | 26.570 | | | 66 | 7 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 52 | 26.570 | | | 74 | 2 | | | | | | | | | | | | | | | 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 0256 | | 0 | 0 | | 49 | 45 | | | | | | | | | | |
| | 0256 | 1 | 0 | 0 | 0 | 52 | 45 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 62 | 44 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 73 | 62 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 72 | 54 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 56 | 50 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0359 | 0853 | 1551 | 2155 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.580 | 26.600 | 26.500 | 26.570 |
| BAROGRAPH 64 | 26.570 | 26.590 | 26.500 | 26.535 |
| BAR. CORR. 65 | +.010 | +.010 | 0 | +.035 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 44 | 0 | 0 | 0 | 15 | NE | 0853 | | | | | 6 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0557 SUNSET 1700

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: 0605P ± 0 Sec./ 1810 ± 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

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: OCT 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. (Mb.) (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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 134 | 50 | 40 | 01 | 05 | | 999 | 303 | [illegible] |
| SA | 0150 | CLR | 20 | | | 133 | 50 | 40 | 00 | 00 | | 999 | | [illegible] |
| SA | 0250 | CLR | 20 | | | 133 | 49 | 40 | 36 | 04 | | 999 | | [illegible] |
| SA | 0350 | CLR | 20 | | | 134 | 48 | 40 | 36 | 03 | | 999 | 400 47 RADAT 43108 | SH |
| SA | 0452 | CLR | 20 | | | 144 | 48 | 39 | 00 | 00 | | 001 | | SH |
| SA | 0553 | CLR | 20 | | | 151 | 49 | 38 | 03 | 04 | | 003 | | SH |
| SA | 0654 | CLR | 20 | | | 157 | 50 | 41 | 10 | 03 | | 004 | 217 | SH |
| SA | 0754 | CLR | 20 | | | 161 | 58 | 41 | 00 | 00 | | 006 | | SH |
| SA | 0853 | CLR | 20 | | | 158 | 65 | 38 | 04 | 03 | | 006 | | SH |
| SA | 0956 | CLR | 20 | | | 157 | 69 | 37 | 11 | 06 | | 006 | 005 46 | SH |
| SA | 1052 | CLR | 20 | | | 156 | 70 | 36 | 10 | 07 | | 005 | Ci W | SH |
| SA | 1154 | CLR | 20 | | | 148 | 72 | 36 | 23 | 06 | | 003 | Cu S Ci SW-NW | SH |
| SA | 1252 | 250 SCT | 20 | | | 147 | 73 | 34 | 21 | 07 | | 003 | Cu S/ 608 1101 | SH |
| SA | 1351 | 250 SCT | 20 | | | 143 | 73 | 34 | 24 | 05 | | 002 | Cu SE | SH |
| SA | 1448 | 250-BKN | 20 | | | 148 | 74 | 34 | 25 | 07 | | 003 | Cu SE | SH |
| SA | 1550 | 250-BKN | 20 | | | 149 | 72 | 33 | 28 | 03 | | 003 | 500 1001 75 RADAT ~~42073~~ 51111 | EP |
| SA | 1650 | 250-BKN | 20 | | | ~~149~~ 154 | 69 | 34 | 25 | 04 | | 004 | FEW AC | EP |
| SA | 1750 | 250-OVC | 20 | | | 165 | 63 | 39 | 05 | 05 | | 006 | | EP |
| SA | 1851 | 250-BKN | 20 | | | 170 | 59 | 42 | 08 | 04 | | 007 | 114 1001 | EP |
| SA | 1955 | 250-BKN | 20 | | | 175 | 57 | 40 | 04 | 05 | | 010 | | EP |
| SA | 2051 | 250-BKN | 20 | | | 175 | 56 | 38 | 09 | 05 | | 011 | | EP |
| SA | 2153 | 250-BKN | 20 | | | 176 | 56 | 37 | 05 | 04 | | 012 | 114 1008 75 | EP |
| SA | 2251 | 160 SCT E250 BKN | 20 | | | 178 | 55 | 37 | 05 | 03 | | 012 | | EP |
| SA | 2351 | E150 BKN 250 OVC | 20 | | | 177 | 55 | 41 | 00 | 00 | | 012 | | EP |

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 1-10A (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

STATION: WSMO, DESERT ROCK NEVADA

DATE: OCT 23 1986

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

## SURFACE WEATHER OBSERVATIONS

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 50 | 26.580 | | | 68 | 0 | | | | | | | | | | | | | | 0 | 3 | .010 | | | 00-01 |
| 01 | 50 | 26.580 | | | 68 | 0 | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 | 50 | 26.580 | | | 70 | 0 | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 | 50 | 26.580 | | | 74 | 0 | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 | 52 | 26.600 | | | 70 | 0 | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 | 53 | 26.615 | | | 68 | 0 | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 | 54 | 26.630 | | | 70 | 0* | | | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 | 54 | 26.650 | | | 52 | 0 | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 | 53 | 26.645* | | | 37 | 0 | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 | 56 | 26.645* | | | 31 | 0 | | | | | | | | | | | | | | 0 | 0 | .015 | | | 09-10 |
| 10 | 52 | 26.640 | | | 29 | 0 | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 | 54 | 26.620 | | | 26 | 0 | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 | 52 | 26.620 | | | 24 | 1 | 0 | Cu | 100 | 1 | Ci | 250 | 1 | | | | | | | 1 | 6 | .025 | | | 12-13 |
| 13 | 51 | 26.610 | | | 24 | 4 | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 | 48 | 26.620 | | | 23 | 6 | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 | 50 | 26.620 | | | 24 | 7 | 7 | Ci | 250 | | | | | | | | | | | 2 | 5 | .000 | | | 15-16 |
| 16 | 50 | 26.630 | | | 27 | 9* | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 | 50 | 26.650 | | | 41 | 10 | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 | 51 | 26.660 | | | 53 | 8 | 8 | Ci | 250 | | | | | | | | | | | 3 | 1 | .040 | | | 18-19 |
| 19 | 55 | 26.680 | | | 53 | 7 | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 | 51 | 26.690 | | | 51 | 7 | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 | 53 | 26.700 | | | 49 | 8 | 8 | Cs | 250 | | | | | | | | | | | 2 | 1 | .040 | | | 21-22 |
| 22 | 51 | 26.705 | | | 51 | 9 | | | | | | | | | | | | | | 6 | | | | | 22-23 |
| 23 | 51 | 26.705 | | | 59 | 10 | | | | | | | | | | | | | | 9 | | | | | 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 0346 | X | 0 | 0 | X | 52 | 47 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 56 | 47 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 69 | 46 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 75 | 68 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 72 | 55 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 57 | 54 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0952 | 1548 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.580 | 26.645 | 26.620 | 26.700 |
| BAROGRAPH 64 | 26.550 | 26.620 | 26.600 | 26.675 |
| BAR. CORR. 65 | +.030 | +.025 | +.020 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 46 | 0 | 0 | 0 | 13 | SW | 1400 | | | | | 2 | 4 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0558 SUNSET 1658

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: 0700P ± 0 Sec./ 2200 ± 0 Sec./ ± Sec.

1550/1909 1650/1801

SP=

RS=

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: [illegible]NO, DESERT ROCK NEVA

DATE: OCT 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 (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (35) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0056 | 150 SCT E250 BKN | 20 | | | 177 | 55 | 37 | 36 | 04 | | 012 | 102 1038 | EP |
| SA | 0152 | 150 SCT 250 SCT | 20 | | | 180 | 52 | 37 | 04 | 03 | | 013 | | EP |
| SA | 0250 | CLR | 20 | | | 186 | 48 | 39 | 00 | 00 | | 014 | | EP |
| SA | 0349 | CLR | 20 | | | 195 | 47 | 38 | 00 | 00 | | 016 | 312 1008 47 RADAT 20116 | SH |
| SA | 0454 | CLR | 20 | | | 196 | 48 | 36 | 13 | 04 | | 016 | | SH |
| SA | 0554 | CLR | 20 | | | 206 | 45 | 38 | 12 | 04 | | 017 | FEW CI | SH |
| SA | 0652 | CLR | 20 | | | 212 | 51 | 38 | 00 | 00 | | 019 | CI W/ 310 1001 | SH |
| SA | 0752 | 250 - SCT | 20 | | | 214 | 57 | 36 | 00 | 00 | | 021 | | SH |
| SA | 0853 | 250 - SCT | 20 | | | 213 | 67 | 36 | 32 | 03 | | 022 | | SH |
| SA | 0956 | 250 - SCT | 20 | | | 207 | 71 | 33 | 31 | 04 | | 022 | 005 1001 44 | SH |
| SA | 1054 | CLR | 20 | | | 204 | 73 | 32 | 03 | 06 | | 020 | FEW CI | SH |
| SA | 1151 | CLR | 20 | | | 198 | 74 | 32 | 03 | 06 | | 018 | FEW CI | SH |
| SA | 1254 | CLR | 20 | | | 189 | 75 | 31 | 21 | 03 | | 016 | 715 | SH |
| SA | 1354 | CLR | 20 | | | 183 | 75 | 30 | 00 | 00 | | 014 | CI NE | SH |
| SA | 1448 | CLR | 20 | | | 185 | 76 | 28 | 00 | 00 | | 014 | | SH |
| SA | 1554 | CLR | 20 | | | 184 | 76 | 28 | 34 | 04 | | 013 | 608 77 RADAT 28125 | EP |
| SA | 1650 | CLR | 20 | | | 187 | 72 | 31 | 00 | 00 | | 014 | | EP |
| SA | 1750 | CLR | 20 | | | 195 | 66 | 31 | 16 | 03 | | 015 | | EP |
| SA | 1850 | CLR | 20 | | | 204 | 59 | 36 | 07 | 03 | | 017 | 312 | EP |
| SA | 1950 | CLR | 20 | | | 206 | 57 | 36 | 07 | 05 | | 018 | | EP |
| SA | 2051 | CLR | 20 | | | 208 | 55 | 35 | 02 | 03 | | 020 | | EP |
| SA | 2152 | CLR | 20 | | | 207 | 54 | 35 | 10 | 04 | | 021 | 210 77 | EP |
| SA | 2250 | CLR | 20 | | | 207 | 53 | 34 | 36 | 05 | | 021 | | EP |
| SA | 2350 | CLR | 20 | | | 206 | 53 | 34 | 00 | 00 | | 021 | | EP |

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

FM12-VII: Ihiii $i_R i_x$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: OCT 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 | 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 56 | 26.705 | | | 51 | 7 | 2 | Ac | 150 | 5 | CS | 250 | 7 | | | | | | | | 5 | 1 | .005 | | | 00-01 |
| 01 52 | 26.710 | | | 57 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.720 | | | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.740 | | | 70 | 0 | 0 | CS | 250 | | | | | | | | | | | | 0 | 3 | .035 | | | 03-04 |
| 04 54 | 26.740 | | | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.750 | | | 76 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.770 | | | 60 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 52 | 26.780 | | | 45 | 5 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.790 | | | 32 | 3 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 56 | 26.785 | | | 24 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 0 | .015 | | | 09-10 |
| 10 54 | 26.775 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.760 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 54 | 26.740 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | 7 | .045 | | | 12-13 |
| 13 54 | 26.720 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 48 | 26.720 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 54 | 26.715 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 6 | .025 | | | 15-16 |
| 16 50 | 26.720 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.730 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.750 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | 3 | .035 | | | 18-19 |
| 19 50 | 26.760 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.775 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.780 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 21-22 |
| 22 50 | 26.780 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.780 | | | 48 | 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 | 56 | 47 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 57 | 47 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 72 | 44 | | 0 | | | | | | | | |
| | 1552 | 3 | 0 | 0 | 0 | 77 | 71 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 76 | 52 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 54 | 52 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0953 | 1553 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.740 | 26.795 | 26.715 | 26.780 |
| BAROGRAPH 64 | 26.715 | 26.765 | 26.710 | 26.770 |
| BAR. CORR. 65 | +.025 | +.020 | +.005 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 44 | 0 | 0 | 0 | 10 | NE | 1130 | | | | | 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 0559 SUNSET 1657

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: 0628P ± 0 Sec./ 2250P ± 0 Sec./ ± Sec.

SP=

RS=

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

☆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

STATION: WSMO, DESERT ROCK NEVADA

DATE: OCT 25 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 = Wt) (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (In.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | CLR | 20 | | | 206 | 52 | 34 | 11 | 05 | | 021 | 400 | EP |
| SA | 0155 | CLR | 20 | | | 208 | 49 | 35 | 33 | 04 | | 021 | | EP |
| SA | 0250 | CLR | 20 | | | 206 | 52 | 34 | 00 | 00 | | 021 | | EP |
| SA | 0355 | CLR | 20 | | | 209 | 50 | 35 | 04 | 04 | | 022 | 302 48 RADAT 54117 | SH |
| SA | 0454 | CLR | 20 | | | 218 | 48 | 35 | 00 | 00 | | 023 | | SH |
| SA | 0554 | CLR | 20 | | | 222 | 47 | 34 | 00 | 00 | | 023 | | SH |
| SA | 0651 | CLR | 20 | | | 226 | 53 | 35 | 00 | 00 | | 024 | 208 | SH |
| SA | 0752 | CLR | 20 | | | 231 | 60 | 34 | 00 | 00 | | 026 | | SH |
| SA | 0852 | CLR | 20 | | | 226 | 68 | 33 | 08 | 05 | | 026 | | SH |
| SA | 0956 | CLR | 20 | | | 217 | 73 | 32 | 33 | 02 | | 024 | 000 47 | SH |
| SA | 1055 | CLR | 20 | | | 214 | 75 | 31 | 01 | 03 | | 023 | | SH |
| SA | 1151 | CLR | 20 | | | 205 | 79 | 32 | 24 | 03 | | 021 | | SH |
| SA | 1251 | CLR | 20 | | | 193 | 80 | 32 | 25 | 02 | | 017 | 820 | SH |
| SA | 1351 | CLR | 20 | | | 186 | 80 | 31 | 35 | 09 | | 015 | | SH |
| SA | 1448 | CLR | 20 | | | 182 | 80 | 31 | 06 | 04 | | 014 | | SH |
| SA | 1553 | CLR | 20 | | | 174 | 79 | 30 | 11 | 09 | | 012 | 717 81 RADAT 25132 | EP |
| SA | 1650 | CLR | 20 | | | 178 | 75 | 30 | 12 | 07 | | 012 | | EP |
| SA | 1751 | CLR | 20 | | | 183 | 68 | 32 | 08 | 06 | | 012 | | EP |
| SA | 1850 | CLR | 20 | | | 185 | 71 | 31 | 00 | 00 | | 014 | 307 | EP |
| SA | 1956 | CLR | 20 | | | 187 | 62 | 34 | 00 | 00 | | 014 | | EP |
| SA | 2051 | CLR | 20 | | | 188 | 58 | 36 | 03 | 03 | | 015 | | EP |
| SA | 2158 | CLR | 20 | | | 186 | 60 | 34 | 06 | 03 | | 015 | 305 81 | EP |
| SA | 2250 | CLR | 20 | | | 185 | 59 | 34 | 00 | 00 | | 015 | | EP |
| SA | 2350 | CLR | 20 | | | 185 | 56 | 33 | 03 | 04 | | 015 | | 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 $1s_n$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 NEVADA

DATE: OCT 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 53 | 26.780 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 55 | 26.780 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.780 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.785 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 03-04 |
| 04 54 | 26.800 | | | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.800 | | | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.810 | | | 62 | 0 | | | | | | | | | | | | | | | 0 | 2 | .025 | | | 06-07 |
| 07 52 | 26.830 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.825 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.810 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 55 | 26.800 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.780 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.750 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 8 | .060 | | | 12-13 |
| 13 51 | 26.730 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 48 | 26.720 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.700 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 7 | .050 | | | 15-16 |
| 16 50 | 26.700 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.700 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.720 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 56 | 26.720 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.730 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 58 | 26.735 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 21-22 |
| 22 50 | 26.735 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.735 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0351 | | 0 | 0 | | 53 | 48 | | | | | | | | | | |
| | 0351 | 1 | 0 | 0 | 0 | 54 | 48 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 73 | 47 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 81 | 73 | | 0 | | | | | | | | |
| | 2152 | 4 | 0 | 0 | 0 | 79 | 57 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 60 | 54 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0952 | 1548 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.785 | 26.810 | 26.700 | 26.735 |
| BAROGRAPH 64 | 26.770 | 26.810 | 26.700 | 26.725 |
| BAR. CORR. 65 | +.015 | ±0* | 0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Ins.) 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 | 47 | 0 | 0 | 0 | 13 | N | 1412 | | | | | 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 0600 SUNSET 1656

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: 0603 P ±0 Sec./ 2100 ±0 Sec./ ± Sec.

*BAROGRAM CHANGED - RESET TO ZERO COR. 1007 PST

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 NEVA.

DATE: OCT 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. (Mb.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100's °) (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. NETWORK (18) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 185 | 55 | 35 | 35 | 04 | | 015 | 400 | EP |
| SA | 0152 | CLR | 20 | | | 185 | 55 | 34 | 12 | 08 | | 015 | | EP |
| SA | 0254 | CLR | 20 | | | 185 | 54 | 34 | 00 | 00 | | 015 | | EP |
| SA | 0349 | CLR | 20 | | | 190 | 52 | 35 | 07 | 04 | | 016 | 302 51 RADAT 20133. | AD |
| SA | 0449 | CLR | 20 | | | 199 | 52 | 35 | 00 | 00 | | 018 | | AD |
| SA | 0549 | CLR | 20 | | | 207 | 49 | 35 | 01 | 06 | | 019 | | AD |
| SA | 0649 | CLR | 20 | | | 202 | 58 | 35 | 02 | 04 | | 019 | 110 | AD |
| SA | 0749 | 250 - SCT | 20 | | | 207 | 64 | 35 | 00 | 00 | | 021 | | AD |
| SA | 0849 | 250 - BKN | 20 | | | 206 | 70 | 34 | 13 | 08 | | 021 | | AD |
| SA | 0949 | 250 - BKN | 20 | | | 201 | 72 | 34 | 13 | 10 | | 019 | 000 1001 49 | AD |
| SA | 1049 | 250 - BKN | 20 | | | 192 | 74 | 34 | 14 | 11 | | 017 | | AD |
| SA | 1149 | 250 - BKN | 20 | | | 189 | 76 | 33 | 13 | 05 | | 016 | | AD |
| SA | 1249 | 250 - OVC | 20 | | | 176 | 78 | 33 | 28 | 05 | | 013 | 720 1001 | AD |
| SA | 1349 | 250 - OVC | 20 | | | 170 | 77 | 33 | 15 | 05 | | 011 | | AD |
| SA | 1449 | 250 - BKN | 20 | | | 171 | 77 | 32 | 00 | 00 | | 011 | | AD |
| SA | 1555 | E250 OVC | 20 | | | 168 | 77 | 31 | 00 | 00 | | 011 | 608 1002 79 RADAT 26133 | MR |
| SA | 1653 | E250 OVC | 20 | | | 173 | 73 | 31 | 12 | 05 | | 011 | | MR |
| SA | 1750 | E250 OVC | 20 | | | 177 | 68 | 31 | 13 | 06 | | 011 | | MR |
| SA | 1851 | E250 OVC | 20 | | | 175 | 66 | 31 | 12 | 07 | | 012 | 203 1002 | MR |
| SA | 1953 | 250 - OVC | 20 | | | 177 | 65 | 32 | 10 | 07 | | 013 | | MR |
| SA | 2051 | 250 - OVC | 20 | | | 177 | 64 | 33 | 03 | 03 | | 014 | | MR |
| SA | 2155 | 250 - OVC | 20 | | | 178 | 58 | 35 | 04 | 05 | | 013 | 005 1001 79 | MR |
| SA | 2255 | 250 - OVC | 20 | | | 176 | 59 | 34 | 33 | 04 | | 013 | | MR |
| SA | 2354 | 250 - SCT | 20 | | | 175 | 58 | 33 | 34 | 05 | | 013 | | 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 $i_R i_x h$VV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ 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: OCT 26 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 | TYPE 23 | HEIGHT 24 | SECOND LAYER AMT. 25 | TYPE 26 | HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | TYPE 30 | HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | TYPE 34 | 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 | 26.735 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 52 | 26.735 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 54 | 26.730 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.740 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 03-04 |
| 04 49 | 26.760 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.770 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.770 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 06-07 |
| 07 49 | 26.780 | | | 34 | 4 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.780 | | | 27 | 7 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 49 | 26.770 | | | 25 | 7 | 7 | Ci | 250 | | | | | | | | | | | | 2 | 0 | .000 | | | 09-10 |
| 10 49 | 26.750 | | | 23 | 7 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 49 | 26.740 | | | 21 | 8 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 49 | 26.710 | | | 20 | 10 | 10 | Ci | 250 | | | | | | | | | | | | 4 | 7 | .060 | | | 12-13 |
| 13 49 | 26.690 | | | 20 | 10 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 49 | 26.690 | | | 19 | 8 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 55 | 26.685 | | | 19 | 10 | 10 | Ci | E250 | | | | | | | | | | | | 7 | 6 | .025 | | | 15-16 |
| 16 53 | 26.690 | | | 22 | 10 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 50 | 26.690 | | | 25 | 10 | | | | | | | | | | | | | | | 6 | | | | | 17-18 |
| 18 51 | 26.695 | | | 27 | 10 | 10 | Ci | E250 | | | | | | | | | | | | 6 | 2 | .010 | | | 18-19 |
| 19 53 | 26.705 | | | 29 | 10 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 51 | 26.715 | | | 31 | 10 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 55 | 26.710 | | | 43 | 10 | 10 | Ci | 250 | | | | | | | | | | | | 4 | 0 | .015 | | | 21-22 |
| 22 55 | 26.710 | | | 39 | 10 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 54 | 26.710 | | | 39 | 4 | | | | | | | | | | | | | | | 1 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 57 | 51 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 60 | 51 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 72 | 49 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 79 | 71 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 77 | 58 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 62 | 57 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1553 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.740 | 26.770 | 26.685 | 26.710 |
| BAROGRAPH 64 | 26.720 | 26.760 | 26.675 | 26.695 |
| BAR. CORR. 65 | +.020 | +.010 | +.010 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | 4AM SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | DIRECTION 72 | TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79 | 49 | 0 | 0 | 0 | 13 | SE | 1049 1/ | | | | | 7 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0601 SUNSET 1655

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 ✓ / Sec. / 1644 ✓ / Sec. / ± Sec.

1/ LAST OF SEVERAL OCCURENCES

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: OCT 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. (7) | DEW PT. (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 | CLR | 20 | | | 177 | 54 | 34 | 00 | 00 | | 013 | 400 1050 | MR |
| SA | 0154 | CLR | 20 | | | 179 | 52 | 34 | 00 | 00 | | 013 | AC SE | MR |
| SA | 0255 | CLR | 20 | | | 175 | 51 | 34 | 02 | 02 | | 012 | AC SE | MR |
| SA | 0349 | CLR | 20 | | | 174 | 52 | 34 | 02 | 03 | | 012 | 603 50 RADAT 20138 | AD |
| SA | 0449 | CLR | 20 | | | 179 | 50 | 34 | 02 | 04 | | 012 | | AD |
| SA | 0549 | CLR | 20 | | | 181 | 49 | 34 | 00 | 00 | | 012 | | AD |
| SA | 0649 | CLR | 20 | | | 180 | 55 | 34 | 00 | 00 | | 012 | 400 | AD |
| SA | 0749 | CLR | 20 | | | 185 | 64 | 34 | 00 | 00 | | 015 | | AD |
| SA | 0849 | CLR | 20 | | | 185 | 67 | 33 | 00 | 00 | | 015 | | AD |
| SA | 0949 | CLR | 20 | | | 186 | 71 | 33 | 00 | 00 | | 015 | 110 48 | AD |
| SA | 1049 | CLR | 20 | | | 173 | 74 | 33 | 00 | 00 | | 012 | | AD |
| SA | 1149 | CLR | 20 | | | 160 | 77 | 32 | 18 | 04 | | 008 | | AD |
| SA | 1249 | CLR | 20 | | | 155 | 79 | 31 | 23 | 07 | | 006 | 727 | AD |
| SA | 1349 | CLR | 20 | | | 151 | 80 | 30 | 22 | 12 | | 006 | | AD |
| SA | 1449 | CLR | 20 | | | 151 | 80 | 29 | 23 | 14 | | 005 | | AD |
| SA | 1554 | CLR | 20 | | | 149 | 78 | 28 | 22 | 11 | | 005 | 705 1001 81 RADAT 2213 | MR |
| SA | 1651 | CLR | 20 | | | 155 | 73 | 31 | 16 | 05 | | 005 | | MR |
| SA | 1751 | CLR | 20 | | | 162 | 68 | 32 | 11 | 07 | | 007 | | MR |
| SA | 1853 | CLR | 20 | | | 163 | 62 | 33 | 10 | 05 | | 008 | 308 | MR |
| SA | 1953 | CLR | 20 | | | 163 | 65 | 33 | 13 | 04 | | 009 | | MR |
| SA | 2053 | CLR | 20 | | | 173 | 59 | 34 | 07 | 04 | | 011 | | MR |
| SA | 2153 | CLR | 20 | | | 175 | 56 | 34 | 05 | 02 | | 012 | 214 81 | MR |
| SA | 2253 | CLR | 20 | | | 179 | 53 | 35 | 03 | 03 | | 013 | | MR |
| SA | 2353 | CLR | 20 | | | 176 | 56 | 33 | 06 | 02 | | 013 | | 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 $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ 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: OCT 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 | 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 | 26.710 | | | 47 | 0 | 0 | Ac | 150 | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 54 | 26.710 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 55 | 26.700 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.700 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 49 | 26.700 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.700 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.700 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 06-07 |
| 07 49 | 26.730 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.730 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.730 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 10 49 | 26.700 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.670 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.650 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | 7 | .080 | | | 12-13 |
| 13 49 | 26.640 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 49 | 26.640 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 54 | 26.635 | | | 16 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 7 | .015 | | | 15-16 |
| 16 51 | 26.640 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.650 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.660 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | 3 | .025 | | | 18-19 |
| 19 53 | 26.670 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 53 | 26.690 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.700 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 53 | 26.710 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.710 | | | 43 | 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 | 58 | 50 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 62 | 50 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 71 | 48 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 81 | 71 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 78 | 56 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 56 | 53 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1553 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.730 | 26.635 | 26.700 |
| BAROGRAPH 64 | 26.680 | 26.710 | 26.620 | 26.675 |
| BAR. CORR. 65 | +.020 | +.020 | +.015 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 81 | 48 | 0 | 0 | 0 | 21 | SW | 1418 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 89 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0602 SUNSET 1654

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: 0900 ± 0 Sec./ 1700 ± 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: OCT 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 (00-36) (9) | WIND SPEED (Kts.) (10) | WIND DURATION (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | CLR | 20 | | | 176 | 54 | 34 | 13 | 03 | | 013 | 103 | MR |
| SA | 0153 | CLR | 20 | | | 177 | 52 | 34 | 00 | 00 | | 013 | | MR |
| SA | 0255 | CLR | 20 | | | 178 | 51 | 34 | 04 | 05 | | 013 | | MR |
| SA | 0349 | CLR | 20 | | | 180 | 50 | 34 | 13 | 04 | | 013 | 400 50 RADAT 20126 | AD |
| SA | 0449 | CLR | 20 | | | A0 | 49 | 34 | 34 | 04 | | 015 | | AD |
| SA | 0549 | CLR | 20 | | | 200 | 49 | 34 | 33 | 04 | | 017 | | AD |
| SA | 0649 | CLR | 20 | | | 202 | 53 | 35 | 31 | 04 | | 017 | 114 | AD |
| SA | 0749 | CLR | 20 | | | 204 | 60 | 35 | 31 | 04 | | 019 | | AD |
| SA | 0849 | 250 - SCT | 20 | | | 202 | 68 | 34 | 36 | 04 | | 019 | | AD |
| SA | 0949 | 250 - BKN | 20 | | | 202 | 72 | 33 | 00 | 00 | | 0A | 107 1001 47 | AD |
| SA | 1049 | E250 OVC | 20 | | | 195 | 75 | 32 | 12 | 11 | | 017 | | AD |
| SA | 1149 | E250 OVC | 20 | | | 186 | 75 | 31 | 13 | 10 | | 015 | | AD |
| SA | 1249 | E250 OVC | 20 | | | 178 | 75 | 32 | 14 | 06 | | 013 | 720 1007 | AD |
| SA | 1349 | E250 OVC | 20 | | | 175 | 75 | 32 | 00 | 00 | | 012 | | AD |
| SA | 1449 | E250 OVC | 20 | | | 176 | 75 | 32 | 16 | 03 | | 012 | | AD |
| SA | 1556 | E230 OVC | 20 | | | 177 | 74 | 31 | 13 | 05 | | 012 | 603 1007 76 RADAT 20129 | MR |
| SA | 1652 | E220 OVC | 20 | | | 181 | 71 | 32 | 00 | 00 | | 013 | | MR |
| SA | 1752 | E220 OVC | 20 | | | 188 | 67 | 36 | 14 | 03 | | 014 | | MR |
| SA | 1854 | E220 OVC | 20 | | | 191 | 67 | 34 | 05 | 03 | | 015 | 310 1007 | MR |
| SA | 1953 | E220 OVC | 20 | | | 193 | 65 | 35 | 06 | 03 | | 017 | | MR |
| SA | 2054 | E220 OVC | 20 | | | 199 | 63 | 37 | 00 | 00 | | 019 | | MR |
| SA | 2155 | E120 BKN 220 OVC | 20 | | | 195 | 63 | 37 | 00 | 00 | | 018 | 010 1057 76 | MR |
| SA | 2251 | E120 BKN 220 OVC | 20 | | | 193 | 63 | 37 | 00 | 00 | | 018 | | MR |
| SA | 2353 | E120 BKN 220 OVC | 20 | | | 190 | 62 | 36 | 11 | 02 | | 017 | | 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 $i_R i_x h$VV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ 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: OCT 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 | 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 53 | 26.710 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 53 | 26.710 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 55 | 26.710 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.710 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 49 | 26.730 | | | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.750 | | | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.750 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 06-07 |
| 07 49 | 26.770 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.770 | | | 28 | 5 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.770 | | | 24 | 7 | 7 | CI | 250 | | | | | | | | | | | | 1 | 1 | .020 | | | 09-10 |
| 10 49 | 26.750 | | | 23 | 10 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 49 | 26.730 | | | 20 | 10 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 49 | 26.710 | | | 21 | 10 | 10 | CS | E250 | | | | | | | | | | | | 10 | 7 | .060 | | | 12-13 |
| 13 49 | 26.700 | | | 21 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 49 | 26.700 | | | 21 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 56 | 26.700 | | | 21 | 10 | 10 | CS | E230 | | | | | | | | | | | | 10 | 6 | .010 | | | 15-16 |
| 16 52 | 26.705 | | | 24 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 52 | 26.715 | | | 31 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 54 | 26.730 | | | 30 | 10 | 10 | CS | E220 | | | | | | | | | | | | 10 | 3 | .030 | | | 18-19 |
| 19 53 | 26.745 | | | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 54 | 26.765 | | | 38 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 55 | 26.760 | | | 37 | 10 | 7 | AC | E120 | 3 | CS | 250 | 10 | | | | | | | | 10 | 0 | .030 | | | 21-22 |
| 22 51 | 26.760 | | | 38 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 53 | 26.750 | | | 39 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 56 | 50 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 56 | 50 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 72 | 47 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 76 | 72 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 74 | 62 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 64 | 62 | X | X | | | | | | X | | |

| STATION PRESSURE COMPUTATIONS | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1555 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.710 | 26.770 | 26.700 | 26.760 |
| BAROGRAPH 64 | 26.690 | 26.745 | 26.680 | 26.745 |
| BAR. CORR. 65 | +.020 | +.025 | +.020 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 47 | 0 | 0 | 0 | 14 | SE | 1058 L | | | | | 7 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0603 SUNSET 1653

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: 0900 ± 0 Sec./ 1659 Q1 Sec./ ± Sec.

// LAST OF SEVERAL OCCURENCES

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 OCT 29 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. (Mb...) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (10-36) (9) | WIND SPEED (Kts...) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (In...) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | E120 OVC | 20 | | | 180 | 63 | 36 | 11 | 05 | | 015 | 812 1051 | MR |
| SA | 0151 | E120 BKN 200 OVC | 20 | | | 177 | 64 | 34 | 12 | 04 | | 014 | | MR |
| SA | 0250 | E120 BKN 200 OVC | 20 | | | 175 | 61 | 36 | 08 | 03 | | 013 | | MR |
| SA | 0351 | 120 SCT E 200 BKN | 20 | | | 174 | 56 | 38 | 34 | 04 | | 012 | 808 1038 56 RADAT 54117 | 008 |
| SA | 0449 | 120 SCT E 200 BKN | 20 | | | 179 | 54 | 38 | 03 | 06 | | 013 | | 008 |
| SA | 0555 | 120 SCT 200 SCT | 20 | | | 186 | 55 | 37 | 05 | 04 | | 014 | | 008 |
| SA | 0649 | CLR | 20 | | | 189 | 56 | 36 | 10 | 04 | | 015 | 210 1030 | 008 |
| SA | 0748 | 250-SCT | 20 | | | 189 | 64 | 35 | 16 | 03 | | 016 | | 008 |
| SA | 0850 | 250-SCT | 20 | | | 191 | 71 | 35 | 25 | 03 | | 017 | | 008 |
| SA | 0951 | 250-BKN | 20 | | | 190 | 74 | 35 | 21 | 03 | | 017 | 107 1001 52 | 008 |
| SA | 1052 | 250-OVC | 20 | | | 181 | 77 | 33 | 30 | 05 | | 015 | | 008 |
| SA | 1150 | 250-BKN | 20 | | | 169 | 79 | 32 | 22 | 10 | | 012 | | 008 |
| SA | 1252 | 250-BKN | 20 | | | 160 | 80 | 33 | 22 | 12 | G19 | 010 | 724 1001 | 008 |
| SA | 1350 | 250-BKN | 20 | | | 151 | 80 | 34 | 22 | 13 | G18 | 007 | | 008 |
| SA | 1449 | 250-BKN | 20 | | | 155 | 80 | 33 | 23 | 12 | G19 | 007 | | 008 |
| SA | 1552 | 250-BKN | 20 | | | 151 | 78 | 32 | 22 | 14 | | 006 | 712 1001 80 RADAT 56122 | HS |
| SA | 1651 | 250-SCT | 20 | | | 152 | 75 | 33 | 20 | 11 | | 005 | | HS |
| SA | 1752 | 250-SCT | 20 | | | 153 | 71 | 34 | 19 | 06 | | 005 | | HS |
| SA | 1852 | 250-SCT | 20 | | | 155 | 68 | 34 | 11 | 04 | | 005 | 602 1001 | HS |
| SA | 1954 | CLR | 20 | | | 147 | 68 | 34 | 11 | 06 | | 004 | | HS |
| SA | 2051 | 250-SCT | 20 | | | 144 | 66 | 34 | 11 | 03 | | 004 | | HS |
| SA | 2151 | 250-SCT | 20 | | | 145 | 70 | 34 | 15 | 06 | | 005 | 500 1001 80 | HS |
| SA | 2253 | 250-BKN | 20 | | | 139 | 71 | 34 | 18 | 08 | | 004 | | HS |
| SA | 2352 | 250-SCT | 20 | | | 125 | 72 | 34 | 19 | 11 | G18 | 001 | | HS |

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: [illegible], DESERT ROCK NEVADA

DATE: OCT 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 | 26.725 | | | 37 | 10 | 10 | AC | 6120 | | | | | | | | | | | | 10 | 8 | .035 | | | 00-01 |
| 01 51 | 26.720 | | | 32 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.710 | | | 38 | 10 | | | | | | | | | | | | | | | 9 | | | | | 02-03 |
| 03 51 | 26.700 | | | 57 | 8 | 5 | AC | 120 | 3 | CS | 6200 | 8 | | | | | | | | 7 | 8 | .025 | | | 03-04 |
| 04 49 | 26.710 | | | 55 | 7 | | | | | | | | | | | | | | | 6 | | | | | 04-05 |
| 05 55 | 26.720 | | | 51 | 4 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 49 | 26.730 | | | 47 | 0 | 0 | AC | 120 | | | | | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 48 | 26.740 | | | 34 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.750 | | | 27 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.750 | | | 34 | 8 | 8 | ci | 250 | | | | | | | | | | | | 1 | 1 | .020 | | | 09-10 |
| 10 52 | 26.730 | | | 20 | 10 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 50 | 26.700 | | | 18 | 7 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 52 | 26.680 | | | 18 | 7 | 7 | ci | 250 | | | | | | | | | | | | 1 | 7 | .070 | | | 12-13 |
| 13 50 | 26.660 | | | 19 | 7 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 49 | 26.660 | | | 18 | 7 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 52 | 26.645 | | | 19 | 6 | 6 | Ci | 250 | | | | | | | | | | | | 2 | 7 | .035 | | | 15-16 |
| 16 51 | 26.640 | | | 22 | 5 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 52 | 26.640 | | | 26 | 3 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 52 | 26.640 | | | 28 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 1 | 6 | .005 | | | 18-19 |
| 19 54 | 26.630 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.630 | | | 31 | 1 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.640 | | | 26 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 1 | 5 | .000 | | | 21-22 |
| 22 53 | 26.630 | | | 26 | 7 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 52 | 26.600 | | | 25 | 5 | | | | | | | | | | | | | | | 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 0850 | | 0 | 0 | | 65 | 56 | | | | | | | | | | |
| | 0850 | 1 | 0 | 0 | 0 | 65 | 56 | | 0 | | | | | | | | |
| | 0850 | 2 | 0 | 0 | 0 | 75 | 52 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 80 | 74 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 78 | 65 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 72 | 68 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0850 | 0850 | 1551 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.720 | 26.645 | 26.640 |
| BAROGRAPH 64 | 26.680 | 26.740 | 26.640 | 26.635 |
| BAR. CORR. 65 | +.020 | +.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 TO (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 52 | 0 | 0 | 0 | 21 | SW | 1353 | | | | | 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 0604 SUNSET 1652

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

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

TIME CHECK - CLOCK AT: 0456P @0 Sec./ 1515P @0 Sec./ ± Sec.

*BAROGRAPH CHANGED RE-SET TO "0"

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 NEVADA

DATE: OCT 30 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 (7) | DEW PT (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Knots) (10) | WIND GUSTS (Knots) (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. REMARKS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | 250-SCT | 20 | | | 119 | 72 | 35 | 19 | 12 | G21 | 999 | 719 1001 | HS |
| SA | 0154 | 250-BKN | 20 | | | 113 | 72 | 36 | 18 | 15 | G24 | 998 | | HS |
| SA | 0252 | 250-SCT | 20 | | | 107 | 71 | 36 | 18 | 16 | G22 | 996 | 5 | HS |
| SA | 0350 | 250-SCT | 20 | | | 107 | 71 | 36 | 18 | 15 | G22 | 995 | 612 1001 6~~8~~ RADAT 29131 | 008 |
| SA | 0451 | 250-SCT | 20 | | | 109 | 70 | 36 | 19 | 12 | G21 | 995 | | 008 |
| SA | 0556 | 250-SCT | 20 | | | 113 | 67 | 37 | 23 | 08 | | 995 | | 008 |
| SA | 0657 | 250-OVC | 20 | | | 118 | 67 | 37 | 23 | 09 | | 996 | 303 1001 | 008 |
| SA | 0755 | 150 SCT E250 OVC | 20 | | | 121 | 69 | 38 | 25 | 14 | | 997 | | 008 |
| SA | 0856 | 120 SCT E250 OVC | 20 | | | 123 | 71 | 38 | 25 | 15 | G20 | 998 | | 008 |
| SA | 0951 | 120 SCT E250 OVC | 20 | | | 121 | 73 | 38 | 24 | 12 | G21 | 998 | 107 1036 65 | 008 |
| SA | 1049 | 120 SCT E250 BKN | 20 | | | 117 | 73 | 38 | 24 | 14 | G19 | 997 | | 008 |
| SA | 1151 | E100 BKN 250 OVC | 20 | | | 101 | 73 | 37 | 23 | 15 | G20 | 993 | | 008 |
| SA | 1253 | E80 BKN 150 BKN 200 OVC | 20 | | | 090 | 73 | 37 | 24 | 12 | G18 | 990 | 827 1257 | 008 |
| SA | 1355 | E60 BKN 150 BKN 200 OVC | 20 | | | 082 | 73 | 37 | 23 | 13 | G18 | 987 | | 008 |
| SA | 1449 | E60 BKN 150 BKN 200 OVC | 20 | | | 080 | 73 | 36 | 23 | 12 | | 986 | | 008 |
| SA | 1553 | 60 SCT 150 SCT E200 BKN | 20 | | | 075 | 72 | 36 | 23 | 14 | | 986 | 714 1278 74 RADAT 30128 | HS |
| SA | 1650 | 150 SCT E250 BKN | 20 | | | 082 | 70 | 37 | 26 | 07 | | 987 | | HS |
| SA | 1750 | 150 SCT E250 BKN | 20 | | | 085 | 65 | 38 | 34 | 06 | | 986 | | HS |
| SA | 1850 | 250-SCT | 20 | | | 087 | 63 | 38 | 03 | 06 | | 987 | 103 1008 | HS |
| SA | 1953 | CLR | 20 | | | 083 | 59 | 38 | 02 | 05 | | 986 | | HS |
| SA | 2051 | 250-SCT | 20 | | | 086 | 60 | 39 | 05 | 03 | | 987 | | HS |
| SA | 2152 | 250-SCT | 20 | | | 088 | 62 | 37 | 02 | 12 | | 988 | 303 1001 74 | HS |
| SA | 2255 | 250-SCT | 20 | | | 088 | 60 | 34 | 04 | 11 | | 988 | | HS |
| SA | 2350 | CLR | 20 | | | 087 | 61 | 31 | 08 | 06 | | 988 | | HS |

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 1-10A (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: OCT 30 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 51 | 26.585 | | | 26 | 5 | 5 | Ci | 250 | | | | | | | | | | | | 2 | 7 | .055 | | | 00-01 |
| 01 54 | 26.570 | | | 27 | 7 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 52 | 26.555 | | | 28 | 4 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 50 | 26.560 | | | 28 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 2 | 6 | .035 | | | 03-04 |
| 04 51 | 26.550 | | | 29 | 4 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 56 | 26.550 | | | 33 | 5 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 57 | 26.560 | | | 33 | 10 | 10 | Ci | 250 | | | | | | | | | | | | 4 | 3 | .010 | | | 06-07 |
| 07 55 | 26.570 | | | 32 | 10 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 56 | 26.575 | | | 30 | 10 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 51 | 26.580 | | | 28 | 10 | 3 | AC | 120 | 7 | Ci | 6250 | 10 | | | | | | | | 7 | 1 | .020 | | | 09-10 |
| 10 49 | 26.570 | | | 28 | 9 | | | | | | | | | | | | | | | 7 | | | | | 10-11 |
| 11 51 | 26.580 | | | 27 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 53 | 26.500 | | | 27 | 10 | 7 | CU | 680 | 1 | AC | 150 | 8 | 2 | CS | 200 | 10 | | | | 9 | 8 | .080 | | | 12-13 |
| 13 55 | 26.480 | | | 27 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 49 | 26.470 | | | 27 | 10 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 53 | 26.460 | | | 27 | 9 | 3 | CU | 60 | 2 | AC | 150 | 5 | 4 | CS | E200 | 9 | | | | 9 | 7 | .040 | | | 15-16 |
| 16 50 | 26.470 | | | 30 | 8 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 50 | 26.465 | | | 37 | 7 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 50 | 26.470 | | | 40 | 3 | 3 | Cs | 250 | | | | | | | | | | | | 1 | 1 | .010 | | | 18-19 |
| 19 53 | 26.460 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.470 | | | 45 | 2 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.480 | | | 39 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .010 | | | 21-22 |
| 22 55 | 26.480 | | | 37 | 3 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 50 | 26.480 | | | 33 | 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 | X | 0 | 0 | X | 73 | 70 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 73 | 68 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 73 | 65 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 74 | 73 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 72 | 58 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 62 | 60 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0950 | 1552 | 2151 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.550 | 26.580 | 26.460 | 26.480 |
| BAROGRAPH 64 | 26.540 | 26.570 | 26.450 | 26.470 |
| BAR. CORR. 65 | +.010 | +.010 | +.010 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNHL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 58 | 0 | 0 | 0 | 26 | 5 | 0254 | | | | | 10 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0605 SUNSET 1650

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: 0452P @ 0 Sec./ 1955P @ 0 Sec./ ± Sec.

0350/12 HR MIN 65/1800 10/31

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: OCT 31 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 INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | CLR | 20 | | | 097 | 59 | 26 | 04 | 12 | | 990 | 307 1001 | HS |
| SA | 0153 | 250 - SCT | 20 | | | 097 | 58 | 24 | 10 | 06 | | 990 | | HS |
| SA | 0250 | CLR | 20 | | | 097 | 58 | 24 | 04 | 10 | G19 | 990 | | HS |
| SA | 0353 | CLR | 20 | | | 105 | 57 | 25 | 06 | 10 | | 992 | 307 1001 57 RADAT 67097 | 008 |
| SA | 0451 | CLR | 20 | | | 114 | 57 | 25 | 08 | 07 | | 994 | | 008 |
| SA | 0550 | CLR | 20 | | | 120 | 56 | 26 | 06 | 07 | | 995 | | 008 |
| SA | 0649 | 80 SCT | 20 | | | 126 | 56 | 26 | 06 | 07 | | 996 | 114 1500 | 008 |
| SA | 0754 | 80 SCT | 20 | | | 137 | 56 | 25 | 08 | 09 | | 998 | | 008 |
| SA | 0850 | ~~105~~ 100 SCT | 20 | | | 137 | 59 | 26 | 04 | 11 | G17 | 999 | | 008 |
| SA | 0951 | CLR | 20 | | | 137 | 60 | 28 | 03 | 11 | G16 | 999 | 110 1500 55 | 008 |
| SA | 1051 | CLR | 20 | | | 129 | 62 | 27 | 02 | 12 | G18 | 997 | FEW CU 56 | 008 |
| SA | 1150 | 120 SCT | 20 | | | 124 | 63 | 25 | 03 | 10 | G23 | 996 | | 008 |
| SA | 1250 | 120 SCT | 20 | | | 122 | 65 | 22 | 02 | 13 | G21 | 996 | 612 1100 | 008 |
| SA | 1350 | 120 SCT | 20 | | | 118 | 66 | 23 | 03 | 12 | G21 | 995 | | 008 |
| SA | 1450 | 120 SCT | 20 | | | 120 | 66 | 19 | 04 | 12 | | 995 | | 008 |
| SA | 1553 | 120 SCT | 20 | | | 125 | 65 | 19 | 02 | 12 | | 997 | 302 1100 66 RADAT 40087 | HS |
| SA | 1653 | 120 SCT | 20 | | | 130 | 63 | 18 | 04 | 09 | | 998 | | HS |
| SA | 1752 | CLR | 20 | | | 139 | 61 | 18 | 02 | 10 | | 000 | FEW CU | HS |
| SA | 1851 | CLR | 20 | | | 149 | 56 | 20 | 04 | 09 | | 002 | 217 | HS |
| SA | 1952 | CLR | 20 | | | 161 | 56 | 23 | 04 | 07 | | 005 | | HS |
| SA | 2051 | CLR | 20 | | | 169 | 52 | 24 | 04 | 08 | | 008 | | HS |
| SA | 2153 | CLR | 20 | | | 172 | 51 | 24 | 05 | 06 | | 009 | 120 66 | HS |
| SA | 2252 | CLR | 20 | | | 176 | 50 | 24 | 06 | 09 | | 010 | | HS |
| SA | 2350 | CLR | 20 | | | 179 | 49 | 22 | 02 | 10 | | 011 | | HS |

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: OCT 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 | 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 | 26.500 | | | 28 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 00-01 |
| 01 53 | 26.500 | | | 27 | 3 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.500 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.520 | | | 29 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 03-04 |
| 04 51 | 26.540 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.550 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.560 | | | 31 | 4 | 4 | Sc | 80 | | | | | | | | | | | | 4 | 1 | .040 | | | 06-07 |
| 07 54 | 26.580 | | | 30 | 4 | | | | | | | | | | | | | | | 4 | | | | | 07-08 |
| 08 50 | 26.590 | | | 28 | 3 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 51 | 26.590 | | | 30 | 0 | 0 | Sc | 100 | | | | | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 10 51 | 26.590 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.560 | | | 23 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 50 | 26.555 | | | 19 | 3 | 3 | Cu | 120 | | | | | | | | | | | | 3 | 6 | .035 | | | 12-13 |
| 13 50 | 26.545 | | | 19 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.550 | | | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 53 | 26.560 | | | 17 | 2 | 2 | Cu | 120 | | | | | | | | | | | | 2 | 3 | .005 | | | 15-16 |
| 16 53 | 26.570 | | | 17 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 52 | 26.590 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 51 | 26.610 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 18-19 |
| 19 52 | 26.640 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.660 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.670 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 1 | .060 | | | 21-22 |
| 22 52 | 26.680 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.685 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0351 | X | 0 | 0 | X | 61 | 57 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 62 | 57 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 61 | 55 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 66 | 60 | | 0 | | | | | | | | |
| | 2151 | 4 | 0 | 0 | 0 | 65 | 51 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 51 | 48 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0950 | 1552 | 2152 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.590 | 26.560 | 26.670 |
| BAROGRAPH 64 | 26.505 | 26.580 | 26.545 | 26.670 |
| BAR. CORR. 65 | +.015 | +.010 | +.015 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 48 | 0 | 0 | 0 | 25 | N | 1123 | | | | | 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 0606 SUNSET 1649

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

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

TIME CHECK - CLOCK AT: 0650P @ 0 Sec./ 1955P @ 0 Sec./ ± Sec.

0850/0849

SP=

RS=