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: NOVEMBER
YEAR: 1988

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

| DAY (1) | TEMPERATURE °F MAXIMUM (2) | MINIMUM (3) | AVERAGE (4) | DEPARTURE FROM NORMAL (5) | DEGREE DAYS (Base 65°) HEATING (6a) | COOLING (6b) | PRECIPITATION (In.) TOTAL (Water equivalent) (7) | SNOWFALL, ICE PELLETS (8) | SNOW, ICE PELLETS OR ICE ON GROUND AT (9) | WIND AVERAGE SPEED KNOTS (10) | PEAK SPEED KNOTS (11) | PEAK DIRECTION (12) | SUNSHINE AVG STATION PRESS (INS) (13) | PERCENT OF POSSIBLE (14) | SKY COVER SUNRISE TO SUNSET (Tenths) (15) | WEATHER OCCURRENCES (16) | R H 04 (17) | 10 (18) | 16 (19) | 22 (20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 81 | 58 | 70 | | | 5 | | | | 7.9 | 26 | SW | 26.58 | | 5 | | 42 | 27 | 25 | 38 |
| 2 | 72 | 51 | 62 | | 3 | | | | | 8.2 | 17 | SW | 26.55 | | 5 | | 49 | 46 | 33 | 47 |
| 3 | 75 | 45 | 60 | | 5 | | | | | 5.9 | 15 | SW | 26.59 | | 0 | | 61 | 35 | 27 | 54 |
| 4 | 85 | 52 | 69 | | | 4 | | | | 7.2 | 23 | NW | 26.70 | | 0 | | 51 | 16 | 14 | 18 |
| 5 | 78 | 55 | 67 | | | 2 | | | | 8.7 | 20 | SE | 26.67 | | 4 | | 26 | 20 | 17 | 32 |
| 6 | 78 | 54 | 66 | | | 1 | | | | 9.6 | 29 | SW | 26.50 | | 6 | | 29 | 24 | 21 | 25 |
| 7 | 76 | 55 | 66 | | | 1 | | | | 11.8 | 26 | S | 26.51 | | 10 | | 39 | 26 | 22 | 28 |
| 8 | 65 | 48 | 57 | | 8 | | | | | 6.3 | 20 | SW | 26.56 | | 9 | | 48 | 44 | 31 | 42 |
| 9 | 68 | 47 | 58 | | 7 | | | | | 6.6 | 20 | NE | 26.63 | | 8 | | 38 | 32 | 24 | 38 |
| 10 | 64 | 44 | 54 | | 11 | | | | | 4.0 | 16 | SW | 26.55 | | 10 | | 48 | 40 | 42 | 59 |
| 11 | 65 | 40 | 53 | | 12 | | | | | 5.0 | 17 | S | 26.59 | | 0 | | 65 | 35 | 23 | 44 |
| 12 | 68 | 37 | 53 | | 12 | | | | | 5.5 | 24 | SW | 26.61 | | 0 | | 53 | 28 | 29 | 46 |
| 13 | 71 | 40 | 56 | | 9 | | | | | 17.8 | 54 | S | 26.45 | | 4 | | 62 | 30 | 42 | 55 |
| 14 | 58 | 36 | 47 | | 18 | | .33 | | | 12.8 | 42 | S | 26.44 | | 8 | TRW | 83 | 50 | 69 | 71 |
| 15 | 55 | 31 | 46 | | 19 | | | | | 4.3 | 15 | N | 26.73 | | 1 | | 79 | 42 | 27 | 75 |
| 16 | 57 | 32 | 45 | | 20 | | | | | 6.7 | 34 | S | 26.67 | | 7 | | 77 | 42 | 32 | 73 |
| 17 | 57 | 40 | 49 | | 16 | | | | | 10.8 | 33 | S | 26.45 | | 1 | | 49 | 20 | 21 | 65 |
| 18 | 52 | 38 | 45 | | 20 | | .T | | | 12.0 | 31 | NE | 26.68 | | 1 | RW | 45 | 30 | 25 | 39 |
| 19 | 50 | 31 | 41 | | 24 | | | | | 8.4 | 21 | NE | 26.82 | | 8 | | 49 | 37 | 26 | 54 |
| 20 | 56 | 27 | 42 | | 23 | | | | | 4.3 | 11 | N | 26.77 | | 3 | | 56 | 25 | 21 | 54 |
| 21 | 60 | 27 | 44 | | 21 | | | | | 4.7 | 19 | S | 26.79 | | 4 | | 63 | 26 | 19 | 42 |
| 22 | 61 | 39 | 50 | | 15 | | | | | 7.1 | 15 | SE | 26.69 | | 8 | | 38 | 26 | 23 | 32 |
| 23 | 67 | 37 | 52 | | 13 | | | | | 16.1 | 51 | S | 26.47 | | 7 | | 55 | 28 | 25 | 41 |
| 24 | 51 | 33 | 42 | | 23 | | | | | 7.3 | 19 | NE | 26.50 | | 9 | | 40 | 28 | 22 | 44 |
| 25 | 46 | 29 | 38 | | 27 | | T | T | | 4.1 | 19 | SW | 26.40 | | 10 | RW SW | 41 | 73 | 65 | 100 |
| 26 | 55 | 27 | 41 | | 24 | | | | | 6.7 | 21 | N | 26.61 | | 0 | | 96 | 44 | 21 | 37 |
| 27 | 57 | 33 | 45 | | 20 | | | | | 9.4 | 19 | NE | 26.86 | | 0 | | 42 | 33 | 17 | 35 |
| 28 | 62 | 31 | 47 | | 18 | | | | | 6.5 | 20 | NE | 26.80 | | 7 | | 50 | 39 | 19 | 38 |
| 29 | 59 | 37 | 48 | | 17 | | | | | 12.1 | 26 | NE | 26.99 | | 0 | | 42 | 26 | 20 | 34 |
| 30 | 63 | 39 | 51 | | 14 | | | | | 10.2 | 20 | E | 26.98 | | 8 | | 40 | 27 | 16 | 27 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| SUM | 1912 | 1193 | — | — | 402 | 13 | 0.33 | T | — | 248.0 | — | — | 799.14 | — | 143 | — | 1556 | 999 | 818 | 1387 |
| AVG | 63.7 | 39.8 | — | — | — | — | — | — | — | 8.3 | FASTEST | DIRECTION | POSSIBLE | % | 4.8 | — | 52 | 33 | 27 | 46 |
| | | | | | | | | | | MISC. → | 54 | S | 26.64 | | | — | | | | |

**TEMPERATURE DATA**

AVERAGE MONTHLY 51.8
DEPARTURE FROM NORMAL 1.6
HIGHEST 85 ON 4
LOWEST 27 ON 20

NUMBER OF DAYS WITH –
MAX. 32° OR BELOW 0
MAX. 90° OR ABOVE 0
MIN. 32° OR BELOW 8
MIN. 0° OR BELOW 0

HEATING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 402
DEPARTURE FROM NORMAL -38
SEASONAL TOTAL 412
DEPARTURE FROM NORMAL -167

COOLING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 13
DEPARTURE FROM NORMAL +12
SEASONAL TOTAL 2367
DEPARTURE FROM NORMAL +266

**PRECIPITATION DATA**

TOTAL FOR THE MONTH 0.33 IN.
DEPARTURE FROM NORMAL -0.51 IN.
GREATEST IN 24 HRS. 0.33 ON 14

SNOWFALL, ICE PELLETS
TOTAL FOR THE MONTH T IN.
GREATEST IN 24 HRS. T ON 25
GREATEST DEPTH ON GROUND 0 ON

**WEATHER**

NUMBER OF DAYS –
CLEAR (Scale 0–3) 11
PARTLY CLOUDY (Scale 4–7) 9
CLOUDY (Scale 8–10) 10
WITH 0.01 INCH OR MORE PRECIP. 1
WITH 0.10 INCH OR MORE PRECIP. 1
WITH 0.50 INCH OR MORE PRECIP. 0
WITH 1.00 INCH OR MORE PRECIP. 0

**SYMBOLS USED IN COLUMN 16**

T = thunderstorm
R = rain
RW = rain shower
S = snow
SW = snow shower
F = fog

MAXIMUM PRECIPITATION

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

HIGHEST STATION 27.645 IN. ON 29
LOWEST STATION 26.340 IN. ON 23, 25

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

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

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

**WSMO, DESERT ROCK, NV**

DATE: NOV. 1 - 1988

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 (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | 150 SCT E 250 OVC | 20 | | | 142 | 64 | 36 | 10 | 08 | | 005 | 610 1077 | |
| SA | 0155 | E150 BKN 250 OVC | 20 | | | 136 | 66 | 36 | 14 | 07 | | 004 | | |
| SA | 0257 | 150 SCT E 250 BKN | 20 | | | 135 | 64 | 37 | 09 | 08 | | 003 | | |
| SA | 0357 | 70 SCT E150 BKN 250 OVC | 20 | | | 142 | 60 | 37 | 35 | 05 | | 004 | 503 1577 60 | SH |
| | → | | — | | | — | | | | | | — | RADAT 89114 | — |
| SA | 0452 | 70 SCT E150 BKN 250 BKN | 20 | | | 143 | 59 | 37 | 12 | 04 | | 004 | | SH |
| SA | 0552 | E70 BKN 150 BKN | 20 | | | 144 | 59 | 37 | 35 | 04 | | 004 | | SH |
| SA | 0651 | E70 BKN 250 BKN | 20 | | | 146 | 62 | 36 | 00 | 00 | | 004 | 500 1408 | SH |
| SA | 0748 | 70 SCT | 20 | | | 147 | 67 | 37 | 19 | 03 | | 005 | | SH |
| SA | 0852 | 70 SCT | 20 | | | 143 | 73 | 38 | 32 | 03 | | 004 | | SH |
| SA | 0952 | ~~70 S~~ CLR | 20 | | | 136 | 78 | 41 | 22 | 06 | | 003 | 803 1100 58 | SH |
| SA | 1048 | CLR | 20 | | | 131 | 79 | 40 | 21 | 12 | | 002 | FEW CU | SH |
| SA | 1158 | 250 -BKN | 20 | | | 120 | 80 | 38 | 20 | 16 | | 999 | FEW CU | SH |
| SA | 1255 | 250 -BKN | 20 | | | 110 | 79 | 39 | 19 | 12 | | 995 | 724 1108 | SH |
| SA | 1352 | 250 -BKN | 20 | | | 104 | 79 | 37 | 19 | 15 | | 994 | CU E | SH |
| SA | 1449 | E250 BKN | 20 | | | 104 | 78 | 37 | 20 | 14 | G21 | 993 | | SH |
| SA | 1552 | 300-BKN | 20 | | | 105 | 76 | 38 | 21 | 15 | G22 | 993 | 607 1008 81 RADAT 20130 | |
| SA | 1655 | 260 SCT | 20 | | | 104 | 73 | 38 | 20 | 11 | | 992 | | |
| SA | 1754 | CLR | 20 | | | 097 | 72 | 38 | 19 | 10 | | 990 | | |
| SA | 1850 | CLR | 20 | | | 107 | 70 | 38 | 22 | 10 | | 993 | 502 1001 | |
| SA | 1954 | CLR | 20 | | | 107 | 68 | 37 | 24 | 06 | | 993 | | |
| SA | 2055 | CLR | 20 | | | 098 | 68 | 38 | 19 | 06 | | 992 | | |
| SA | 2150 | CLR | 20 | | | 100 | 63 | 37 | 05 | 04 | | 992 | 502 81 | |
| SA | 2250 | CLR | 20 | | | 101 | 63 | 36 | 36 | 08 | | 993 | | |
| SA | 2355 | CLR | 20 | | | 102 | 63 | 35 | 07 | 03 | | 993 | | |

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:1984-0-764-003/60315

SURFACE WEATHER OBSERVATIONS

DATE NOV. 1 - 1988

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 | 26.640 | | | 35 | 10 | 3 | AC | 150 | 10 | CS | E250 | 10 | | | | | | | | 8 | 6 | .030 | | | 00-01 |
| 01 55 | 26.625 | | | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 57 | 26.620 | | | 37 | 8 | | | | | | | | | | | | | | | 8 | | | | | 02-03 |
| 03 57 | 26.630 | | | 42 | 10 | 2 | SC | 70 | 4 | AC | E150 | 6 | 4 | CS | 250 | 10 | | | | 10 | 5 | .010 | | | 03-04 |
| 04 52 | 26.630 | | | 44 | 8 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 52 | 26.625 | | | 45 | 6 | | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 51 | 26.630 | | | 38 | 6 | 6 | SC | E70 | 0 | CS | 250 | 6 | | | | | | | | 6 | 5 | .000 | | | 06-07 |
| 07 48 | 26.640 | | | 33 | 4 | | | | | | | | | | | | | | | 4 | | | | | 07-08 |
| 08 52 | 26.630 | | | 28 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 52 | 26.620 | | | 27 | 0 | 0 | CU | 70 | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 48 | 26.610 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 58 | 26.580 | | | 22 | 8 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 55 | 26.550 | | | 24 | 8 | 0 | CU | 70 | 8 | CS | 250 | 8 | | | | | | | | 4 | 7 | .070 | | | 12-13 |
| 13 52 | 26.540 | | | 22 | 8 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 49 | 26.530 | | | 23 | 7 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 52 | 26.530 | | | 25 | 6 | 6 | CS | 300 | | | | | | | | | | | | 2 | 6 | .020 | | | 15-16 |
| 16 55 | 26.520 | | | 28 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 54 | 26.500 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.525 | | | 31 | 0 | 0 | CI | 260 | | | | | | | | | | | | 0 | 5 | .005 | | | 18-19 |
| 19 54 | 26.530 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 55 | 26.515 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.520 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 5 | .005 | | | 21-22 |
| 22 50 | 26.525 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.530 | | | 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 0354 | | 0 | 0 | | 69 | 60 | | | | | | | | | | |
| | 0354 | 1 | 0 | 0 | 0 | 69 | 60 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 78 | 58 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 81 | 76 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 76 | 59 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 65 | 59 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0355 | 0951 | 1552 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.630 | 26.620 | 26.530 | 26.520 |
| BAROGRAPH 64 | 26.620 | 26.620 | 26.525 | 26.510 |
| BAR. CORR. 65 | +.010 | *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 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 81 | 58 | 0 | 0 | 0 | 26 | SW | 1037 | | | | | 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 0607 SUNSET 1648

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 CORRECT TO NEAREST MINUTE AT: 1040SP / 1603 /

~~0951/0952~~ * BAROGRAPH CHANGED RESET TO ±.0 CORR

MF1-10B (4-86) SUPERSEDES MF1-10B (1-82 and 10-83) WHICH MAY BE USED

U.S. Government Printing Office: 1986—614-287

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

**WSMO, DESERT ROCK, NV**

DATE Nov. 2 - 1988

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 | 0052 | CLR | 20 | | | 103 | 63 | 37 | 24 | 14 | | 993 | 103 | |
| SA | 0153 | CLR | 20 | | | 101 | 63 | 37 | 11 | 07 | | 993 | | |
| SA | 0250 | CLR | 20 | | | 098 | 56 | 36 | 03 | 06 | | 991 | | |
| SA | 0358 | 250 - SCT | 20 | | | 105 | 54 | 35 | 35 | 05 | | 992 | 503 1001 52 | DC |
| | | | | | | | | | | | | | RADAT 20132 | |
| SA | 0457 | 250 - SCT | 20 | | | 116 | 51 | 35 | 36 | 07 | | 994 | | DC |
| SA | 0557 | E140 BKN 250 BKN | 20 | | | 113 | 53 | 36 | 05 | 06 | | 994 | | DC |
| SA | 0656 | 140 SCT 250 SCT | 20 | | | 127 | 54 | 37 | 03 | 07 | | 997 | 217 1072 | DC |
| SA | 0753 | 250 SCT | 20 | | | 130 | 57 | 37 | 22 | 04 | | 999 | | DC |
| SA | 0858 | 250 - SCT | 20 | | | 125 | 63 | 39 | 23 | 09 | | 998 | | DC |
| SA | 0955 | 250 - SCT | 20 | | | 131 | 63 | 42 | 23 | 10 | | 000 | 205 1001 51 | DC |
| SA | 1058 | E 250 BKN | 20 | | | 128 | 66 | 41 | 24 | 09 | | 999 | AC NW-N | DC |
| SA | 1156 | E 250 BKN | 20 | | | 112 | 69 | 39 | 19 | 08 | | 994 | | DC |
| SA | 1256 | E250 BKN | 20 | | | 109 | 69 | 38 | 22 | 09 | | 993 | 719 1002 | DC |
| SA | 1355 | 250 - SCT | 20 | | | 100 | 70 | 40 | 21 | 13 | | 991 | | DC |
| SA | 1456 | 250 - BKN | 20 | | | 104 | 71 | 40 | 24 | 11 | | 992 | | DC |
| SA | 1553 | E250 BKN | 20 | | | 113 | 69 | 39 | 28 | 13 | | 993 | 500 1006 72 RADAT 69135 | |
| SA | 1652 | E250 OVC | 20 | | | 115 | 67 | 39 | 29 | 07 | | 993 | FEW AC | |
| SA | 1754 | 140 SCT E 250 OVC | 20 | | | 115 | 65 | 39 | 25 | 11 | | 993 | | |
| SA | 1850 | 140 SCT E 250 OVC | 20 | | | 119 | 64 | 38 | 30 | 06 | | 994 | 303 1077 | |
| SA | 1950 | 140 SCT E 250 OVC | 20 | | | 118 | 63 | 39 | 01 | 10 | | 994 | | |
| SA | 2056 | 140 SCT E 250 OVC | 20 | | | 128 | 59 | 38 | 01 | 05 | | 997 | | |
| SA | 2151 | 250 SCT | 20 | | | 129 | 57 | 37 | 02 | 08 | | 997 | 110 1008 72 | |
| SA | 2256 | CLR | 20 | | | 128 | 56 | 37 | 03 | 08 | | 997 | | |
| SA | 2352 | CLR | 20 | | | 128 | 52 | 36 | 11 | 03 | | 997 | | |

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 1984-0-764-005/6085

# SURFACE WEATHER OBSERVATIONS

DATE Nov. 2-1988

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 | 26.530 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 53 | 26.525 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.510 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.520 | | | 49 | 2 | 2 | CI | 250 | | | | | | | | | | | | 1 | 5 | .010 | | | 03-04 |
| 04 57 | 26.540 | | | 54 | 1 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 57 | 26.535 | | | 52 | 9 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 56 | 26.570 | | | 53 | 5 | 1 | AC | 140 | 4 | CI | 250 | 5 | | | | | | | | 3 | 2 | .050 | | | 06-07 |
| 07 53 | 26.580 | | | 47 | 1 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 58 | 26.575 | | | 41 | 2 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 55 | 26.585 | | | 46 | 3 | 3 | CI | 250 | | | | | | | | | | | | 1 | 2 | .015 | | | 09-10 |
| 10 58 | 26.580 | | | 40 | 7 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 56 | 26.540 | | | 33 | 8 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 56 | 26.530 | | | 32 | 7 | 7 | CI | E250 | | | | | | | | | | | | 5 | 7 | .055 | | | 12-13 |
| 13 55 | 26.510 | | | 34 | 2 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 56 | 26.515 | | | 33 | 6 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 53 | 26.530 | | | 33 | 9 | 9 | CS | E250 | | | | | | | | | | | | 8 | 5 | .000 | | | 15-16 |
| 16 52 | 26.530 | | | 36 | 10 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 54 | 26.530 | | | 38 | 10 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 50 | 26.540 | | | 38 | 10 | 2 | AC | 140 | 10 | CS | E250 | 10 | | | | | | | | 7 | 3 | .010 | | | 18-19 |
| 19 50 | 26.540 | | | 41 | 10 | | | | | | | | | | | | | | | 9 | | | | | 19-20 |
| 20 56 | 26.570 | | | 46 | 10 | | | | | | | | | | | | | | | 9 | | | | | 20-21 |
| 21 51 | 26.570 | | | 47 | 3 | 3 | CS | 250 | | | | | | | | | | | | 3 | 1 | .030 | | | 21-22 |
| 22 56 | 26.570 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.570 | | | 54 | 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 | | 64 | 52 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 65 | 52 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 64 | 51 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 72 | 63 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 69 | 56 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 57 | 51 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0952 | 1553 | 2151 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.585 | 26.530 | 26.570 |
| BAROGRAPH 64 | 26.510 | 26.575 | 26.515 | 26.555 |
| BAR. CORR. 65 | +.010 | +.010 | +.015 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 51 | 0 | 0 | 0 | 17 | SW | 1430 * | | | | | 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 0608 SUNSET 1647

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 CORRECT TO NEAREST MINUTE AT: 1080OP / 1602 /

* LAST OF SEVERAL OCCURRANCES

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

**WSMO, DESERT ROCK, NV**

DATE Nov. 3 - 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 125 | 53 | 37 | 00 | 00 | | 996 | 803 | |
| SA | 0154 | CLR | 20 | | | 128 | 52 | 37 | 16 | 05 | | 997 | | |
| SA | 0254 | CLR | 20 | | | 125 | 51 | 37 | 07 | 03 | | 996 | | |
| SA | 0358 | CLR | 20 | | | 127 | 50 | 37 | 12 | 03 | | 997 | 202 49 RADAT | DC |
| | | | | | | | | | | | | | 49145 | |
| SA | 0455 | CLR | 20 | | | 130 | 50 | 37 | 04 | 09 | | 997 | | DC |
| SA | 0553 | CLR | 20 | | | 141 | 47 | 36 | 08 | 04 | | 000 | | DC |
| SA | 0654 | CLR | 20 | | | 148 | 51 | 37 | 13 | 04 | | 002 | 315 | DC |
| SA | 0755 | CLR | 20 | | | 151 | 57 | 38 | 00 | 00 | | 004 | | DC |
| SA | 0858 | CLR | 20 | | | 153 | 64 | 39 | 16 | 04 | | 005 | | DC |
| SA | 0958 | CLR | 20 | | | 146 | 68 | 39 | 23 | 05 | | 004 | 005 45 | DC |
| SA | 1055 | CLR | 20 | | | 144 | 72 | 39 | 29 | 08 | | 003 | | DC |
| SA | 1154 | CLR | 20 | | | 135 | 72 | 38 | 23 | 10 | | 000 | | DC |
| SA | 1256 | CLR | 20 | | | 129 | 74 | 39 | 23 | 10 | | 999 | 715 | DC |
| SA | 1356 | CLR | 20 | | | 126 | 74 | 39 | 22 | 09 | | 997 | CU N | DC |
| SA | 1453 | CLR | 20 | | | 126 | 75 | 39 | 27 | 10 | | 997 | CU N | DC |
| SA | 1553 | CLR | 20 | | | 126 | 75 | 39 | 26 | 09 | | 997 | 603 75 RADAT 55130 | JP |
| SA | 1655 | CLR | 20 | | | 128 | 71 | 39 | 24 | 04 | | 997 | | JP |
| SA | 1756 | CLR | 20 | | | 137 | 65 | 37 | 36 | 03 | | 999 | | JP |
| SA | 1852 | CLR | 20 | | | 139 | 64 | 37 | 35 | 08 | | 000 | 307 | JP |
| SA | 1957 | CLR | 20 | | | 144 | 62 | 37 | 02 | 06 | | 002 | | JP |
| SA | 2056 | CLR | 20 | | | 146 | 60 | 38 | 36 | 07 | | 003 | | JP |
| SA | 2154 | CLR | 20 | | | 145 | 58 | 37 | 01 | 07 | | 003 | 110 75 | JP |
| SA | 2254 | CLR | 20 | | | 147 | 56 | 37 | 13 | 04 | | 004 | | JP |
| SA | 2355 | CLR | 20 | | | 147 | 57 | 37 | 02 | 09 | | 004 | | JP |

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:1984-0-764-007/6065

# SURFACE WEATHER OBSERVATIONS

DATE NOV. 3 - 1988

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 | 26.560 | | | 54 | 0 | | | | | | | | | | | | | | 0 | 8 | .010 | | | 00-01 |
| 01 | 54 | 26.570 | | | 57 | 0 | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 | 54 | 26.560 | | | 59 | 0 | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 | 58 | 26.565 | | | 61 | 0 | | | | | | | | | | | | | | 0 | 2 | .005 | | | 03-04 |
| 04 | 55 | 26.570 | | | 61 | 0 | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 | 53 | 26.590 | | | 66 | 0 | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 | 54 | 26.610 | | | 59 | 0 | | | | | | | | | | | | | | 0 | 3 | .045 | | | 06-07 |
| 07 | 55 | 26.630 | | | 49 | 0 | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 | 58 | 26.635 | | | 40 | 0 | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 | 58 | 26.625 | | | 35 | 0 | | | | | | | | | | | | | | 0 | 0 | .015 | | | 09-10 |
| 10 | 55 | 26.620 | | | 30 | 0 | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 | 54 | 26.590 | | | 29 | 0 | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 | 56 | 26.580 | | | 28 | 0 | | | | | | | | | | | | | | 0 | 7 | .045 | | | 12-13 |
| 13 | 56 | 26.570 | | | 28 | 0 | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 | 53 | 26.570 | | | 27 | 0 | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 | 53 | 26.570 | | | 27 | 0 | | | | | | | | | | | | | | 0 | 6 | .010 | | | 15-16 |
| 16 | 55 | 26.570 | | | 31 | 0 | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 | 56 | 26.580 | | | 36 | 0 | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 | 58 | 26.590 | | | 37 | 0 | | | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 | 57 | 26.610 | | | 39 | 0 | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 | 56 | 26.620 | | | 44 | 0 | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 | 54 | 26.620 | | | 45 | 0 | | | | | | | | | | | | | | 0 | 1 | .030 | | | 21-22 |
| 22 | 54 | 26.630 | | | 49 | 0 | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 | 55 | 26.630 | | | 47 | 0 | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 54 | 49 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 57 | 49 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 68 | 45 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 75 | 68 | | 0 | | | | | | | | |
| | 2152 | 4 | 0 | 0 | 0 | 75 | 58 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 59 | 55 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0954 | 1553 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.565 | 26.635 | 26.590 | 26.620 |
| BAROGRAPH 64 | 26.555 | 26.620 | 26.565 | 26.615 |
| BAR. CORR. 65 | +.010 | +.005 | +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 | 0400 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 | 45 | 0 | 0 | 0 | 15 | SW | 1222 | | | | | 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 0609 SUNSET 1646

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 CORRECT TO NEAREST MINUTE AT: 1040 P/# 1637P/

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

**WSMO, DESERT ROCK, NM**

## SURFACE WEATHER OBSERVATIONS

DATE 04 Nov 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0059 | CLR | 20 | | | 151 | 55 | 37 | 24 | 03 | | 005 | 207 | JP |
| SA | 0158 | CLR | 20 | | | 155 | 53 | 37 | 11 | 03 | | 006 | | JP |
| SA | 0250 | CLR | 20 | | | 154 | 55 | 37 | 13 | 05 | | 006 | | JP |
| SA | 0357 | CLR | 20 | | | 162 | 55 | 37 | 16 | 04 | | 008 | 210 52 RADAT | DC |
| / | | | | | | | | | | | | | 20135 | / |
| SA | 0455 | CLR | 20 | | | 168 | 53 | 37 | 02 | 05 | | 009 | | DC |
| SA | 0555 | CLR | 20 | | | 169 | 56 | 36 | 00 | 00 | | 009 | | DC |
| SA | 0657 | CLR | 20 | | | 180 | 57 | 37 | 00 | 00 | | 013 | 312 | DC |
| SA | 0755 | CLR | 20 | | | 189 | 69 | 32 | 02 | 08 | | 016 | | DC |
| SA | 0857 | CLR | 20 | | | 189 | 75 | 26 | 06 | 09 | | 017 | | DC |
| SA | 0956 | CLR | 20 | | | 189 | 76 | 26 | 03 | 11 | | 017 | 114 52 | DC |
| SA | 1055 | CLR | 20 | | | 186 | 78 | 27 | 06 | 12 | | 016 | | DC |
| SA | 1156 | CLR | 20 | | | 174 | 79 | 28 | 03 | 10 | | 013 | | DC |
| SA | 1255 | CLR | 20 | | | 165 | 82 | 28 | 03 | 10 | | 011 | 719 1100 | DC |
| SA | 1357 | 120 SCT | 20 | | | 165 | 83 | 29 | 36 | 11 | | 011 | | DC |
| SA | 1458 | CLR | 20 | | | 161 | 83 | 28 | 34 | 14 | G19 | 009 | AC CI NW-SE | DC |
| ~~SA~~ | ~~1554~~ | | | | | | | | | | | | | — |
| SA | 1554 | CLR | 20 | | | 162 | 81 | 27 | 34 | 09 | | 009 | FEW AC CI N/ 603 | JP |
| / | | | | | | | | | | | | | 1071 85 RADAT 27145 | / |
| SA | 1653 | CLR | 20 | | | 166 | 77 | 25 | 34 | 07 | | 009 | FEW AC N | JP |
| SA | 1754 | CLR | 20 | | | 174 | 74 | 25 | 02 | 10 | | 012 | FEW AC N | JP |
| SA | 1854 | CLR | 20 | | | 177 | 70 | 24 | 02 | 08 | | 013 | 310 | JP |
| SA | 1956 | CLR | 20 | | | 180 | 63 | 21 | 04 | 10 | | 014 | | JP |
| SA | 2057 | CLR | 20 | | | 181 | 63 | 22 | 09 | 05 | | 015 | | JP |
| SA | 2159 | CLR | 20 | | | 183 | 66 | 21 | 05 | 07 | | 016 | 210 85 | JP |
| SA | 2254 | CLR | 20 | | | 185 | 61 | 20 | 04 | 06 | | 016 | | JP |
| SA | 2357 | CLR | 20 | | | 185 | 58 | 21 | 06 | 05 | | 016 | | JP |

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

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

## SURFACE WEATHER OBSERVATIONS

DATE 04 NOV 1988

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 59 | 26.640 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 00-01 |
| 01 58 | 26.650 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.650 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 57 | 26.670 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 03-04 |
| 04 55 | 26.675 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.675 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 57 | 26.705 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | 3 | .035 | | | 06-07 |
| 07 55 | 26.740 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 57 | 26.745 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 56 | 26.745 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 09-10 |
| 10 55 | 26.740 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 56 | 26.710 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 55 | 26.690 | | | 14 | 0 | 0 | Cu | Bo | | | | | | | | | | | | 0 | 7 | .055 | | | 12-13 |
| 13 57 | 26.690 | | | 14 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 58 | 26.680 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 54 | 26.680 | | | 14 | 0 | 0 | Ac | 100 | 0 | Ci | 200 | 0 | | | | | | | | 0 | 6 | .010 | | | 15-16 |
| 16 53 | 26.680 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 54 | 26.700 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 54 | 26.710 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 18-19 |
| 19 56 | 26.730 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 57 | 26.730 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 59 | 26.740 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 21-22 |
| 22 54 | 26.740 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 57 | 26.740 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 58 | 52 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 59 | 52 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 77 | 52 | | 0 | | | | | | | | |
| | 1552 | 3 | 0 | 0 | 0 | 85 | 76 | | 0 | | | | | | | | |
| | 2157 | 4 | 0 | 0 | 0 | 81 | 62 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 66 | 58 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0953 | 1554 | 2159 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.670 | 26.745 | 26.680 | 26.740 |
| BAROGRAPH 64 | 26.660 | 26.745 | 26.680 | 26.730 |
| BAR. CORR. 65 | +.010 | 0 | 0 | +010 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | 52 | 0 | 0 | 0 | 23 | NW | 1434 | | | | | 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 0610 SUNSET 1645

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 CORRECT TO NEAREST MINUTE AT: 1 0500P/1723P/

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE 05 NOV 1988

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 | 0056 | CLR | 20 | | | 181 | 56 | 21 | 14 | 05 | | 015 | 803 | JP |
| SA | 0154 | CLR | 20 | | | 176 | 59 | 24 | 06 | 10 | | 014 | | JP |
| SA | 0250 | CLR | 20 | | | 176 | 58 | 24 | 15 | 05 | | 014 | | JP |
| SA | 0358 | CLR | 20 | | | 176 | 60 | 25 | 05 | 11 | | 014 | 603 1070 55 | DC |
| | | | | | | | | | | | | | RADAT 29139 | |
| SA | 0457 | CLR | 20 | | | 183 | 59 | 27 | 05 | 12 | | 016 | AC SE | DC |
| SA | 0558 | E 250 OVC | 20 | | | 186 | 59 | 26 | 05 | 11 | | 016 | AC SE | DC |
| SA | 0656 | 140 SCT E250 BKN | 20 | | | 193 | 60 | 27 | 04 | 07 | | 017 | 210 1072 | DC |
| SA | 0752 | 140 SCT E250 BKN | 20 | | | 199 | 62 | 27 | 02 | 08 | | 018 | | DC |
| SA | 0854 | 250 - SCT | 20 | | | 195 | 69 | 28 | 13 | 11 | | 018 | AC E | DC |
| SA | 0955 | 250 - SCT | 20 | | | 189 | 71 | 28 | 34 | 05 | | 017 | 000 1078 55 | DC |
| SA | 1058 | 250 - SCT | 20 | | | 180 | 74 | 28 | 11 | 12 | | 015 | | DC |
| SA | 1157 | 250 - SCT | 20 | | | 169 | 75 | 28 | 14 | 15 | | 011 | | DC |
| SA | 1258 | 250 - BKN | 20 | | | 157 | 77 | 28 | 12 | 12 | | 007 | 730 1006 | DC |
| SA | 1356 | 250 - SCT | 20 | | | 145 | 78 | 28 | 11 | 08 | | 005 | | DC |
| SA | 1454 | 250 - SCT | 20 | | | 139 | 78 | 28 | 11 | 10 | | 003 | | DC |
| SA | 1555 | 250 - BKN | 20 | | | 140 | 76 | 28 | 12 | 10 | | 003 | 614 1008 78 RADAT 20138 | JP |
| SA | 1656 | 250 - BKN | 20 | | | 139 | 71 | 27 | 13 | 10 | | 002 | | JP |
| SA | 1759 | 250 - BKN | 20 | | | 142 | 70 | 28 | 14 | 09 | | 003 | | JP |
| SA | 1855 | 250 - BKN | 20 | | | 142 | 65 | 28 | 12 | 10 | | 002 | 703 1008 | JP |
| SA | 1957 | 250 - BKN | 20 | | | 140 | 65 | 28 | 08 | 11 | | 002 | | JP |
| SA | 2058 | 250 - OVC | 20 | | | 136 | 58 | 26 | 04 | 05 | | 001 | | JP |
| SA | 2154 | 250 - SCT | 20 | | | 132 | 57 | 27 | 03 | 03 | | 000 | 807 1008 78 | JP |
| SA | 2253 | 250 - SCT | 20 | | | 127 | 58 | 27 | 01 | 04 | | 999 | | JP |
| SA | 2350 | 250 - BKN | 20 | | | 116 | 57 | 27 | 05 | 04 | | 995 | | JP |

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

# SURFACE WEATHER OBSERVATIONS

DATE 05 NOV 1988

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 | 26.730 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | 8 | 010 | | | 00-01 |
| 01 54 | 26.730 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.730 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.720 | | | 26 | 0 | 0 | AC | 120 | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 57 | 26.735 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 58 | 26.735 | | | 28 | 10 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 56 | 26.750 | | | 28 | 9 | 1 | AC | 140 | 9 | CI | E250 | 9 | | | | | | | | 5 | 2 | .030 | | | 06-07 |
| 07 52 | 26.760 | | | 26 | 7 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 54 | 26.755 | | | 22 | 2 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 55 | 26.750 | | | 20 | 1 | 0 | AC | 140 | 1 | CS | 250 | 1 | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 58 | 26.725 | | | 18 | 1 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 57 | 26.690 | | | 18 | 4 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 58 | 26.660 | | | 16 | 8 | 8 | CS | 250 | | | | | | | | | | | | 0 | 7 | .090 | | | 12-13 |
| 13 56 | 26.635 | | | 16 | 3 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 54 | 26.620 | | | 16 | 1 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 55 | 26.620 | | | 17 | 7 | 7 | CS | 250 | | | | | | | | | | | | 0 | 6 | 040 | | | 15-16 |
| 16 56 | 26.610 | | | 19 | 7 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 59 | 26.620 | | | 21 | 8 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 55 | 26.610 | | | 25 | 8 | 8 | CS | 250 | | | | | | | | | | | | 1 | 7 | 010 | | | 18-19 |
| 19 57 | 26.610 | | | 25 | 7 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 58 | 26.600 | | | 29 | 10 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 54 | 26.590 | | | 32 | 4 | 4 | CS | 250 | | | | | | | | | | | | 1 | 8 | 020 | | | 21-22 |
| 22 53 | 26.580 | | | 30 | 3 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 50 | 26.550 | | | 32 | 7 | | | | | | | | | | | | | | | 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 | 63 | 55 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 66 | 55 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 71 | 55 | | 0 | | | | | | | | |
| | 1553 | 3 | 0 | 0 | 0 | 78 | 71 | | 0 | | | | | | | | |
| | 2152 | 4 | 0 | 0 | 0 | 76 | 57 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 60 | 57 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0952 | 1555 | 2154 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.720 | 26.750 | 26.620 | 26.590 |
| BAROGRAPH 64 | 26.725 | 26.760 | 26.620 | 26.585 |
| BAR. CORR. 65 | -.005 | -.010 | 0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 0400 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 | 55 | 0 | 0 | 0 | 20 | SE | 1201 | | | | | 4 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0611 SUNSET 1644

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 CORRECT TO NEAREST MINUTE AT: 1070 0 P / 1931 P /

1/ LAST OF SEVERAL OCCURRENCES

MF1-10B (4-86) SUPERSEDES MF1-10B (1-62 and 10-83) WHICH MAY BE USED. ☆ U.S. Government Printing Office: 1986—654-393

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

WBAO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE 06 Nov 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER 4a | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) 8 | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIM. SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 250 - OVC | 20 | | | 107 | 56 | 27 | 03 | 08 | | 993 | 820 1007 | JP |
| SA | 0153 | E250 OVC | 20 | | | 099 | 56 | 27 | 02 | 05 | | 991 | | JP |
| SA | 0250 | E250 OVC | 20 | | | 086 | 59 | 28 | 10 | 10 | | 987 | | JP |
| SA | 0350 | E 250 OVC | 20 | | | 074 | 70 | 36 | 19 | 14 | G22 | 985 | 724 1007 54 | |
| | | | | | | | | | | | | | RADAT 20141 | CH |
| SA | 0450 | E 250 OVC | 20 | | | 077 | 71 | 36 | 21 | 16 | G21 | 985 | | CH |
| SA | 0550 | E 250 OVC | 20 | | | 077 | 71 | 36 | 21 | 15 | G24 | 985 | | CH |
| SA | 0650 | E 250 OVC | 20 | | | 085 | 68 | 35 | 30 | 05 | | 986 | 303 1007 | CH |
| SA | 0750 | E 250 OVC | 20 | | | 087 | 69 | 36 | 21 | 11 | | 987 | | CH |
| SA | 0850 | E 250 OVC | 20 | | | 094 | 72 | 35 | 21 | 16 | G24 | 988 | | CH |
| SA | 0950 | E 250 BKN | 20 | | | 093 | 74 | 35 | 22 | 15 | | 988 | 107 1008 54 | CH |
| SA | 1050 | 250 - BKN | 20 | | | 095 | 76 | 36 | 23 | 14 | | 990 | | CH |
| SA | 1150 | 250 - BKN | 20 | | | 095 | 77 | 37 | 24 | 12 | | 990 | | CH |
| SA | 1250 | 250 - SCT | 20 | | | 091 | 78 | 37 | 25 | 12 | | 988 | 000 1008 | CH |
| SA | 1350 | 250 - SCT | 20 | | | 088 | 78 | 37 | 24 | 12 | | 987 | | CH |
| SA | 1450 | 250 - SCT | 20 | | | 090 | 77 | 35 | 22 | 10 | | 988 | | CH |
| SA | 1554 | 250 SCT | 20 | | | 081 | 76 | 33 | 24 | 10 | | 987 | 603 1008 78 RADAT 20121 | JS |
| SA | 1651 | CLR | 20 | | | 084 | 71 | 34 | 27 | 04 | | 987 | | JS |
| SA | 1750 | CLR | 20 | | | 095 | 63 | 32 | 02 | 06 | | 990 | | JS |
| SA | 1850 | CLR | 20 | | | 103 | 62 | 32 | 06 | 05 | | 992 | 312 | JS |
| SA | 1951 | CLR | 20 | | | 110 | 61 | 32 | 08 | 03 | | 994 | | JS |
| SA | 2051 | CLR | 20 | | | 110 | 64 | 29 | 36 | 06 | | 995 | | JS |
| SA | 2152 | CLR | 20 | | | 114 | 64 | 28 | 12 | 03 | | 996 | 214 78 | JS |
| SA | 2250 | CLR | 20 | | | 114 | 62 | 24 | 05 | 08 | | 996 | | JS |
| SA | 2352 | CLR | 20 | | | 115 | 66 | 25 | 07 | 10 | | 997 | | JS |

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: 1984-0-754-006/5085

DATE 06 Nov 1988

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 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.530 | | | 33 | 10 | 10 | CS | 250 | | | | | | | | | | | | 2 | 8 | 060 | | | 00-01 |
| 01 53 | 26.510 | | | 33 | 10 | | | | | | | | | | | | | | | 7 | | | | | 01-02 |
| 02 50 | 26.480 | | | 31 | 10 | | | | | | | | | | | | | | | 8 | | | | | 02-03 |
| 03 50 | 26.460 | | | 29 | 10 | 10 | CS | E250 | | | | | | | | | | | | 8 | 7 | .070 | | | 03-04 |
| 04 50 | 26.460 | | | 28 | 10 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 50 | 26.460 | | | 28 | 10 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 50 | 26.470 | | | 30 | 10 | 10 | CS | E250 | | | | | | | | | | | | 8 | 3 | .010 | | | 06-07 |
| 07 50 | 26.480 | | | 30 | 10 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 50 | 26.490 | | | 26 | 10 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 50 | 26.490 | | | 24 | 8 | 8 | CS | E250 | | | | | | | | | | | | 6 | 1 | .020 | | | 09-10 |
| 10 50 | 26.500 | | | 24 | 7 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 50 | 26.500 | | | 24 | 7 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 50 | 26.490 | | | 23 | 4 | 4 | CS | 250 | | | | | | | | | | | | 1 | 0 | .000 | | | 12-13 |
| 13 50 | 26.480 | | | 23 | 3 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.490 | | | 22 | 2 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 54 | 26.480 | | | 21 | 1 | 1 | CS | 250 | | | | | | | | | | | | 1 | 6 | .010 | | | 15-16 |
| 16 51 | 26.480 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.500 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.515 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | 3 | .035 | | | 18-19 |
| 19 51 | 26.535 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.545 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.555 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 50 | 26.555 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.565 | | | 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 0348 | X | 0 | 0 | X | 70 | 54 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 70 | 54 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 74 | 62 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 78 | 74 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 76 | 59 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 66 | 60 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0948 | 1554 | 2157 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.460 | 26.490 | 26.480 | 26.55 |
| BAROGRAPH 64 | 26.450 | 26.485 | 26.480 | 26.50 |
| BAR. CORR. 65 | +.010 | +.005 | ±0 | +.01 |

## 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 | 0400 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 | 54 | 0 | 0 | 0 | 29 | SW | 0524 | | | | | 6 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0612 SUNSET 1643

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 CORRECT TO NEAREST MINUTE AT: 1041OP/ 1731P/

MF1-10B (9-66) SUPERSEDES MF1-10B (1-82 and 10-83) WHICH MAY BE USED.

U.S. Government Printing Office: 1986—61

NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

DATE NOV 07 1988

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 | 250 SCT | 20 | | | 120 | 62 | 33 | 04 | 15G20 | | 997 | 305 /008 | JS |
| SA | 0152 | 250 - BKN | 20 | | | 120 | 62 | 33 | 05 | 12 | | 997 | | JS |
| SA | 0250 | 250 - SCT | 20 | | | 116 | 60 | 33 | 03 | 10 | | 996 | | JS |
| SA | 0350 | 250 - SCT | 20 | | | 119 | 58 | 33 | 04 | 15 | | 996 | 603 1008 58 RADAT 20136 | CH |
| SA | 0450 | 250 - SCT | 20 | | | 121 | 57 | 33 | 05 | 10 | | 996 | | CH |
| SA | 0550 | 250 - BKN | 20 | | | 125 | 56 | 32 | 04 | 12 | | 996 | | CH |
| SA | 0650 | 250 - BKN | 20 | | | 135 | 56 | 32 | 04 | 10 | | 999 | 307 1001 | CH |
| SA | 0750 | 250 - BKN | 20 | | | 133 | 60 | 32 | 04 | 10 | | 999 | | CH |
| SA | 0850 | 250 - OVC | 20 | | | 125 | 63 | 32 | 03 | 12 | | 997 | | CH |
| SA | 0950 | 250 - OVC | 20 | | | 120 | 68 | 32 | 30 | 04 | | 996 | 807 1002 55 | CH |
| SA | 1050 | 250 - OVC | 20 | | | 115 | 71 | 33 | 29 | 08 | | 995 | | CH |
| SA | 1150 | 250 - OVC | 20 | | | 101 | 71 | 33 | 35 | 05 | | 992 | | CH |
| SA | 1250 | 250 - OVC | 20 | | | 085 | 76 | 28 | 23 | 15G22 | | 987 | 827 1002 | CH |
| SA | 1350 | 250 - OVC | 20 | | | 078 | 76 | 28 | 22 | 17G23 | | 985 | | CH |
| SA | 1450 | E250 OVC | 20 | | | 077 | 73 | 28 | 19 | 18G26 | | 984 | | CH |
| SA | 1551 | E250 OVC | 20 | | | 072 | 71 | 30 | 21 | 16G23 | | 983 | 715 1007 76 RADAT 2813T | JS |
| SA | 1652 | E250 OVC | 20 | | | 080 | 69 | 31 | 21 | 14 | | 984 | | JS |
| SA | 1752 | E250 OVC | 20 | | | 081 | 68 | 33 | 20 | 14G22 | | 984 | | JS |
| SA | 1854 | E250 OVC | 20 | | | 081 | 67 | 33 | 22 | 10 | | 984 | 105 1007 | JS |
| SA | 1950 | E250 OVC | 20 | | | 073 | 68 | 34 | 18 | 08G16 | | 983 | | JS |
| SA | 2053 | E250 OVC | 20 | | | 077 | 68 | 33 | 21 | 10 | | 984 | | JS |
| SA | 2150 | E250 OVC | 20 | | | 078 | 67 | 33 | 23 | 15 | | 985 | 302 1007 76 | JS |
| SA | 2250 | 250 - SCT | 20 | | | 075 | 65 | 30 | 22 | 10 | | 984 | | JS |
| SA | 2350 | 250 - SCT | 20 | | | 075 | 64 | 32 | 24 | 13G20 | | 984 | | JS |

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

## SURFACE WEATHER OBSERVATIONS

DATE NOV 07 1988

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 | 26.570 | | | 34 | 82 | 2 | CS | 250 | | | | | | | | | | | | 2 | 3 | .015 | | | 00-01 |
| 01 52 | 26.570 | | | 34 | 7 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.560 | | | 36 | 4 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 50 | 26.560 | | | 39 | 4 | 4 | CS | 250 | | | | | | | | | | | | 1 | 6 | .010 | | | 03-04 |
| 04 50 | 26.560 | | | 40 | 4 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 50 | 26.560 | | | 40 | 7 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 50 | 26.580 | | | 40 | 8 | 8 | CI | 250 | | | | | | | | | | | | 2 | 3 | .020 | | | 06-07 |
| 07 50 | 26.580 | | | 35 | 8 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 50 | 26.570 | | | 31 | 10 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 50 | 26.560 | | | 26 | 10 | 10 | CI | 250 | | | | | | | | | | | | 4 | 8 | .020 | | | 09-10 |
| 10 50 | 26.550 | | | 25 | 10 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 50 | 26.520 | | | 25 | 10 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 50 | 26.480 | | | 17 | 10 | 10 | CI | 250 | | | | | | | | | | | | 4 | 8 | .080 | | | 12-13 |
| 13 50 | 26.460 | | | 17 | 10 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.450 | | | 19 | 10 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 51 | 26.435 | | | 22 | 10 | 10 | CS | E250 | | | | | | | | | | | | 10 | 7 | .045 | | | 15-16 |
| 16 56 | 26.450 | | | 25 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 52 | 26.450 | | | 27 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 54 | 26.450 | | | 28 | 10 | 10 | CS | E250 | | | | | | | | | | | | 10 | 1 | .015 | | | 18-19 |
| 19 50 | 26.435 | | | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 53 | 26.450 | | | 27 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.455 | | | 28 | 10 | 10 | CS | E250 | | | | | | | | | | | | 10 | 3 | .005 | | | 21-22 |
| 22 50 | 26.450 | | | 27 | 4 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 50 | 26.450 | | | 30 | 4 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 66 | 58 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 66 | 58 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 68 | 55 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 76 | 68 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 71 | 66 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 67 | 62 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0948 | 1551 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.560 | 26.560 | 26.435 | 26.455 |
| BAROGRAPH 64 | 26.550 | 26.560 | 26.430 | 26.455 |
| BAR. CORR. 65 | +.010 | ±0 | +.005 | ±0 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 0400 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 | 55 | 0 | 0 | 0 | 26 | S | 1455 H | | | | | 10 | 8 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0613 SUNSET 1642

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 CORRECT TO NEAREST MINUTE AT: 1051 1P/ 2058 1/

H LAST OF Several Occurrences

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

[redacted]

WSMO, DESERT ROCK NV.

DATE NOV 08 1988

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 | 0057 | 250 SCT | 20 | | | 080 | 61 | 34 | 24 | 15G20 | | 986 | 303 1008 | JS |
| SA | 0150 | 250 SCT | 20 | | | 091 | 60 | 33 | 26 | 12 | | 989 | | JS |
| SA | 0250 | 250 SCT | 20 | | | 105 | 53 | 33 | 32 | 05 | | 992 | | JS |
| SA | 0350 | 250 SCT | 20 | | | 112 | 53 | 33 | 31 | 10 | | 993 | 222 1008 53 RADAT 20123 | CH |
| SA | 0450 | 250 SCT | 20 | | | 121 | 52 | 36 | 35 | 06 | | 995 | | CH |
| SA | 0550 | 250 SCT | 20 | | | 124 | 49 | 35 | 00 | 00 | | 995 | | CH |
| SA | 0650 | 250- BKN | 20 | | | 135 | 49 | 36 | 00 | 00 | | 999 | 217 1006 | CH |
| SA | 0750 | 250- BKN | 20 | | | 142 | 52 | 38 | 00 | 00 | | 001 | | CH |
| SA | 0850 | 250- BKN | 20 | | | 142 | 58 | 38 | 30 | 05 | | 002 | | CH |
| SA | 0950 | 250 - OVC | 20 | | | 142 | 58 | 36 | 25 | 09 | | 002 | 110 1007 48 | CH |
| SA | 1050 | 250 - OVC | 20 | | | 142 | 60 | 33 | 23 | 08 | | 002 | | CH |
| SA | 1150 | 250 - OVC | 20 | | | 129 | 63 | 32 | 24 | 08 | | 999 | | CH |
| SA | 1250 | E 250 OVC | 20 | | | 124 | 63 | 32 | 23 | 08 | | 996 | 817 1007 | CH |
| SA | 1350 | E 250 OVC | 20 | | | 117 | 63 | 32 | 26 | 08 | | 994 | | CH |
| SA | 1450 | E 250 OVC | 20 | | | 120 | 63 | 32 | 24 | 08 | | 994 | | CH |
| SA | 1551 | E 250 OVC | 20 | | | 116 | 62 | 31 | 25 | 08 | | 993 | 710 1007 65 RADAT 20105 | JS |
| SA | 1655 | 100 SCT E 250 OVC | 20 | | | 122 | 60 | 30 | 32 | 05 | | 994 | | JS |
| SA | 1754 | E 100 BKN 250 OVC | 20 | | | 128 | 59 | 30 | 31 | 05 | | 995 | | JS |
| SA | 1857 | 100 SCT E 250 OVC | 20 | | | 133 | 58 | 31 | 33 | 06 | | 996 | 210 1028 | JS |
| SA | 1952 | 100 SCT E 250 OVC | 20 | | | 134 | 57 | 31 | 36 | 07 | | 997 | | JS |
| SA | 2050 | E 85 BKN 250 OVC | 20 | | | 130 | 57 | 32 | 20 | 03 | | 997 | | JS |
| SA | 2150 | E 85 BKN 250 OVC | 20 | | | 135 | 55 | 32 | 03 | 03 | | 998 | 205 1508 ~~65~~ 67 | JS |
| SA | 2257 | 85 SCT 250 - OVC | 20 | | | 140 | 56 | 34 | 32 | 06 | | 000 | | JS |
| SA | 2350 | 85 SCT E 250 OVC | 20 | | | 144 | 53 | 33 | 06 | 05 | | 001 | | JS |

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

SURFACE WEATHER OBSERVATIONS

DATE NOV 08 1988

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 O. PAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.465 | | | 37 | 2 | 2 | CS | 250 | | | | | | | | | | | | 2 | 3 | .010 | | | 00-01 |
| 01 50 | 26.495 | | | 37 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.515 | | | 46 | 2 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 50 | 26.530 | | | 48 | 2 | 2 | CS | 250 | | | | | | | | | | | | 2 | 2 | .065 | | | 03-04 |
| 04 50 | 26.550 | | | 54 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 50 | 26.550 | | | 58 | 2 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 50 | 26.580 | | | 61 | 7 | 7 | CS | 250 | | | | | | | | | | | | 3 | 2 | .050 | | | 06-07 |
| 07 50 | 26.600 | | | 59 | 8 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 50 | 26.610 | | | 48 | 9 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 50 | 26.610 | | | 44 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 1 | .030 | | | 09-10 |
| 10 50 | 26.610 | | | 36 | 10 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 50 | 26.580 | | | 31 | 10 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 50 | 26.560 | | | 31 | 10 | 10 | CS | E250 | | | | | | | | | | | | 7 | 8 | .050 | | | 12-13 |
| 13 50 | 26.540 | | | 31 | 10 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 50 | 26.540 | | | 31 | 10 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 51 | 26.530 | | | 31 | 10 | 10 | CS | E250 | | | | | | | | | | | | 10 | 7 | .030 | | | 15-16 |
| 16 55 | 26.540 | | | 32 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 54 | 26.550 | | | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 51 | 26.560 | | | 35 | 10 | 3 | AS | 100 | 7 | CS | E250 | 10 | | | | | | | | 10 | 2 | .030 | | | 18-19 |
| 19 52 | 26.565 | | | 38 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 50 | 26.565 | | | 39 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.575 | | | 42 | 10 | 7 | SC | E85 | 3 | CS | 250 | 10 | | | | | | | | 10 | 2 | .015 | | | 21-22 |
| 22 51 | 26.590 | | | 44 | 10 | | | | | | | | | | | | | | | 5 | | | | | 22-23 |
| 23 50 | 26.600 | | | 48 | 10 | | | | | | | | | | | | | | | 7 | | | | | 23-24 |

SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 64 | 53 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 67 | 53 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 60 | 48 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 65 | 58 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 62 | 55 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 56 | 52 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0948 | 1551 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.530 | 26.610 | 26.580 | 26.575 |
| BAROGRAPH 64 | 26.520 | 26.600 | 26.530 | 26.575 |
| BAR. CORR. 65 | +.010 | +.010 | ±0 | ±0 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 48 | 0 | 0 | 0 | 20 | SW | 0052 | | | | | 9 | 8 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0614 SUNSET 1641

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 CORRECT TO NEAREST MINUTE AT: 1060OP/1856P /

[1] LAST of Several Occurrences

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

[redacted], DESERT ROCK, [redacted]

## SURFACE WEATHER OBSERVATIONS

DATE NOV 09 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 85 SCT E250 OVC | 20 | | | 144 | 53 | 31 | 00 | 00 | | 001 | 108 /1508 | JS |
| SA | 0158 | 85 SCT E250 OVC | 20 | | | 150 | 51 | 27 | 00 | 00 | | 003 | | JS |
| SA | 0250 | 250 - OVC | 20 | | | 155 | 52 | 27 | 00 | 00 | | 004 | | JS |
| SA | 0350 | 250 - OVC | 20 | | | 160 | 52 | 27 | 04 | 09 | | 005 | 214 1007 47 RADAT 54103 | CH |
| SA | 0450 | 250 - OVC | 20 | | | 168 | 50 | 26 | 08 | 04 | | 007 | | CH |
| SA | 0550 | E 250 OVC | 20 | | | 168 | 51 | 27 | 06 | 07 | | 007 | | CH |
| SA | 0650 | E 250 OVC | 20 | | | 177 | 51 | 27 | 04 | 08 | | 009 | 214 1007 | CH |
| SA | 0750 | 250 - OVC | 20 | | | 179 | 55 | 31 | 04 | 12 | | 011 | | CH |
| SA | 0850 | 250 - OVC | 20 | | | 175 | 56 | 30 | 03 | 17 | | 009 | | CH |
| SA | 0950 | 250 - OVC | 20 | | | 173 | 60 | 30 | 02 | 12 | | 009 | 000 1007 47 | CH |
| SA | 1050 | 250 - BKN | 20 | | | 169 | 63 | 28 | 30 | 06 | | 008 | | CH |
| SA | 1150 | 250 - BKN | 20 | | | 155 | 67 | 27 | 26 | 06 | | 005 | | CH |
| SA | 1250 | 250 - BKN | 20 | | | 153 | 67 | 28 | 29 | 07 | | 004 | 717 1008 | CH |
| SA | 1350 | 250 - BKN | 20 | | | 150 | 67 | 28 | 23 | 06 | | 003 | | CH |
| SA | 1450 | 250 - BKN | 20 | | | 141 | 67 | 28 | 18 | 07 | | 001 | | CH |
| SA | 1550 | 250 - SCT | 20 | | | 141 | 66 | 28 | 28 | 05 | | 001 | 610 /001 68 RADAT | JS |
| / | | | | | | | | | | | | | 48L/07/29 | / |
| SA | 1650 | 250 - BKN | 20 | | | 141 | 62 | 27 | 26 | 06 | | 000 | | JS |
| SA | 1750 | 250 - OVC | 20 | | | 146 | 56 | 25 | 02 | 05 | | 001 | | JS |
| SA | 1852 | 250 - OVC | 20 | | | 154 | 53 | 25 | 01 | 05 | | 002 | 303 /007 | JS |
| SA | 1956 | 250 - OVC | 20 | | | 157 | 51 | 25 | 01 | 06 | | 002 | | JS |
| SA | 2054 | 250 SCT | 20 | | | 155 | 49 | 26 | 06 | 04 | | 003 | | JS |
| SA | 2150 | CLR | 20 | | | 145 | 52 | 27 | 23 | 05 | | 001 | 803 68 | JS |
| SA | 2251 | 250 SCT | 20 | | | 136 | 58 | 30 | 21 | 12 | | 000 | | JS |
| SA | 2351 | 250 ~~SCT~~ SCT | 20 | | | 138 | 55 | 30 | 19 | 09 | | 001 | | JS |

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

☆ U.S.GPO: 1984-0-764-006/6085

## SURFACE WEATHER OBSERVATIONS

DATE NOV 09 1988

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 | | | 43 | 10 | 1 | SC | 85 | 9 | CS | E250 | 10 | | | | | | | | 10 | 1 | .025 | | | 00-01 |
| 01 58 | 26.615 | | | 39 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.630 | | | 39 | 10 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 50 | 26.640 | | | 38 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 2 | .040 | | | 03-04 |
| 04 50 | 26.660 | | | 39 | 10 | | | | | | | | | | | | | | | 4 | | | | | 04-05 |
| 05 50 | 26.660 | | | 39 | 10 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 50 | 26.680 | | | 39 | 10 | 10 | CS | E250 | | | | | | | | | | | | 6 | 2 | .040 | | | 06-07 |
| 07 50 | 26.690 | | | 40 | 10 | | | | | | | | | | | | | | | 4 | | | | | 07-08 |
| 08 50 | 26.680 | | | 37 | 10 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 50 | 26.680 | | | 32 | 10 | 10 | CS | 250 | | | | | | | | | | | | 3 | 0 | .000 | | | 09-10 |
| 10 50 | 26.670 | | | 27 | 8 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 50 | 26.640 | | | 22 | 8 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.630 | | | 23 | 7 | 7 | CS | 250 | | | | | | | | | | | | 0 | 7 | .050 | | | 12-13 |
| 13 50 | 26.620 | | | 23 | 7 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.600 | | | 23 | 7 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.600 | | | 24 | 2 | 2 | CI | 250 | | | | | | | | | | | | 1 | 6 | .030 | | | 15-16 |
| 16 50 | 26.590 | | | 27 | 8 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.595 | | | 30 | 10 | | | - | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 52 | 26.610 | | | 34 | 10 | 10 | CS | 250 | | | | | | | | | | | | 3 | 3 | .010 | | | 18-19 |
| 19 56 | 26.605 | | | 37 | 10 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 54 | 26.615 | | | 40 | 3 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 50 | 26.600 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 21-22 |
| 22 51 | 26.590 | | | 35 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 51 | 26.595 | | | 39 | 1 | | | | | | | | | | | | | | | 1 | | | | | 23-24 |

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 54 | 47 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 56 | 47 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 60 | 48 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 68 | 60 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 66 | 49 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 58 | 52 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0948 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.640 | 26.680 | 26.600 | 26.600 |
| BAROGRAPH 64 | 26.630 | 26.680 | 26.600 | 26.600 |
| BAR. CORR. 65 | +.010 | ±0 | ±0 | ±0 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML.TD (Ins.) 69 | 0400 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 | 20 | NE | 0852 H | | | | | 8 | 8 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0615 SUNSET 1641

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 CORRECT TO NEAREST MINUTE AT: 1061 1A 2000P1

H LAST OF Several Occurrences

MF-10A (5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

WSMO, DESERT ROCK, NV

# SURFACE WEATHER OBSERVATIONS

DATE NOV 10 1988

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~~ 250 SCT | 20 | | | 131 | 49 | 29 | 06 | 07 | | 997 | 810 1008 | JS |
| SA | 0154 | E 250 OVC | 20 | | | 134 | 53 | 30 | 01 | 04 | | 999 | | JS |
| SA | 0250 | 250 - OVC | 20 | | | 125 | 52 | 29 | 06 | 04 | | 996 | | JS |
| SA | 0350 | 250 - OVC | 20 | | | 130 | 49 | 30 | 00 | 00 | | 996 | 603 1008 748 RADAT 53122 | AD |
| SA | 0450 | 250 - OVC | 20 | | | 135 | 49 | 29 | 00 | 00 | | 997 | | AD |
| SA | 0550 | E250 OVC | 20 | | | 142 | 47 | 29 | 00 | 00 | | 999 | | AD |
| SA | 0650 | E250 OVC | 20 | | | 147 | 48 | 30 | 00 | 00 | | 000 | 210 1008 7 | AD |
| SA | 0750 | 160 SCT E250 OVC | 20 | | | 155 | 50 | 30 | 13 | 05 | | 002 | | AD |
| SA | 0850 | 160 SCT E250 OVC | 20 | | | 155 | 53 | 31 | 00 | 00 | | 002 | | AD |
| SA | 0950 | 160 SCT E250 OVC | 20 | | | 151 | 56 | 32 | 27 | 06 | | 002 | 107 1028 46 | AD |
| SA | 1050 | 160 SCT E250 OVC | 20 | | | 147 | 58 | 34 | 00 | 00 | | 002 | | AD |
| SA | 1150 | 160 SCT E250 OVC | 20 | | | 137 | 58 | 39 | 00 | 00 | | 999 | | AD |
| SA | 1250 | 160 SCT E250 OVC | 20 | | | 128 | 60 | 39 | 26 | 04 | | 995 | 820 1028 | AD |
| SA | 1350 | 160 SCT E250 BKN | 20 | | | 118 | 61 | 39 | 24 | 06 | | 993 | | AD |
| SA | 1450 | E250 BKN | 20 | | | 111 | 63 | 38 | 24 | 11 | | 991 | | AD |
| SA | 1554 | 200 SCT E250 ~~BK~~ OVC | 20 | | | 112 | 61 | 38 | 31 | 05 | | 991 | 614 1017 64 RADAT 25109 | MR |
| SA | 1651 | 200 SCT E250 OVC | 20 | | | 110 | 59 | 36 | 32 | 06 | | 990 | | MR |
| SA | 1751 | 200 SCT E250 OVC | 20 | | | 115 | 57 | 36 | 12 | 08 | | 991 | | MR |
| SA | 1854 | 180 SCT E250 OVC | 20 | | | 108 | 55 | 35 | 07 | 04 | | 988 | 807 1017 | MR |
| SA | 1952 | 250 - OVC | 20 | | | 111 | 55 | 35 | 11 | 06 | | 990 | | MR |
| SA | 2055 | 250 - BKN | 20 | | | 117 | 49 | 35 | 03 | 07 | | 991 | | MR |
| SA | 2154 | CLR | 20 | | | 119 | 48 | 34 | 09 | 02 | | 992 | 210 64 | MR |
| SA | 2251 | CLR | 20 | | | 121 | 44 | 33 | 35 | 03 | | 992 | | MR |
| SA | 2353 | CLR | 20 | | | 114 | 49 | 35 | 35 | 08 | | 991 | | MR |

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

FM12-VII: 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:1984-5-764-006/6035

## SURFACE WEATHER OBSERVATIONS

DATE NOV 10 1988

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 | 26.570 | | | 46 | 1 | 1 | CS | 250 | | | | | | | | | | | | 1 | 8 | .030 | | | 00-01 |
| 01 54 | 26.580 | | | 41 | 10 | | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 50 | 26.560 | | | 41 | 10 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 50 | 26.560 | | | 48 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 6 | .010 | | | 03-04 |
| 04 50 | 26.570 | | | 46 | 10 | | | | | | | | | | | | | | | 4 | | | | | 04-05 |
| 05 50 | 26.580 | | | 49 | 10 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 50 | 26.590 | | | 50 | 10 | 10 | CS | E250 | | | | | | | | | | | | 9 | 2 | .030 | | | 06-07 |
| 07 50 | 26.610 | | | 46 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 50 | 26.610 | | | 43 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 50 | 26.610 | | | 40 | 10 | 3 | AS | 160 | 7 | CS | E250 | 10 | | | | | | | | 10 | 1 | .020 | | | 09-10 |
| 10 50 | 26.610 | | | 40 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 50 | 26.580 | | | 49 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 50 | 26.550 | | | 46 | 10 | 3 | AS | 160 | 7 | CS | E250 | 10 | | | | | | | | 10 | 8 | .060 | | | 12-13 |
| 13 50 | 26.530 | | | 44 | 9 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 50 | 26.510 | | | 40 | 9 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 54 | 26.510 | | | 42 | 10 | 3 | AS | 200 | 10 | CS | E250 | 10 | | | | | | | | 9 | 6 | .040 | | | 15-16 |
| 16 51 | 26.500 | | | 43 | 10 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 51 | 26.510 | | | 46 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 54 | 26.490 | | | 47 | 10 | 3 | AS | 180 | 10 | CS | E250 | 10 | | | | | | | | 9 | 8 | .020 | | | 18-19 |
| 19 52 | 26.500 | | | 48 | 10 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 55 | 26.510 | | | 58 | 7 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 54 | 26.520 | | | 59 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 21-22 |
| 22 51 | 26.520 | | | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.510 | | | 59 | 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 | 55 | 48 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 58 | 48 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 56 | 46 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 64 | 56 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 61 | 48 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 49 | 44 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1553 | 2153 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.560 | 26.610 | 26.510 | 26.520 |
| BAROGRAPH 64 | 26.560 | 26.605 | 26.510 | 26.515 |
| BAR. CORR. 65 | 0 | +.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 UNREL TO (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 44 | 0 | 0 | 0 | 16 | SW | 1447 | | | | | 10 | 8 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0616 SUNSET 1640

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 CORRECT TO NEAREST MINUTE AT: / 0400 / 1653 /

~~1554~~ / ~~1554~~

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

WSMO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE NOV 11 1988

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 | 0056 | CLR | 20 | | | 116 | 48 | 35 | 35 | 03 | | 992 | 502 | MR |
| SA | 0157 | CLR | 20 | | | 122 | 44 | 34 | 35 | 04 | | 993 | | MR |
| SA | 0253 | CLR | 20 | | | 116 | 46 | 34 | 03 | 06 | | 992 | | MR |
| SA | 0350 | CLR | 20 | | | 122 | 45 | 34 | 00 | 00 | | 993 | 105 43 RADAT 56093 | AD |
| SA | 0450 | CLR | 20 | | | 130 | 46 | 35 | 30 | 04 | | 995 | | AD |
| SA | 0550 | CLR | 20 | | | 132 | 43 | 35 | 02 | 07 | | 995 | | AD |
| SA | 0650 | CLR | 20 | | | 143 | 40 | 33 | 07 | 05 | | 997 | 214 | AD |
| SA | 0750 | CLR | 20 | | | 146 | 48 | 35 | 00 | 00 | | 000 | | AD |
| SA | 0850 | CLR | 20 | | | 154 | 55 | 36 | 24 | 05 | | 002 | | AD |
| SA | 0950 | CLR | 20 | | | 156 | 59 | 31 | 10 | 05 | | 003 | 117 40 | AD |
| SA | 1050 | CLR | 20 | | | 152 | 61 | 31 | 31 | 06 | | 002 | | AD |
| SA | 1150 | CLR | 20 | | | 141 | 63 | 32 | 20 | 10 | | 000 | | AD |
| SA | 1250 | CLR | 20 | | | 141 | 64 | 30 | 24 | 08 | | 000 | 610 | AD |
| SA | 1350 | CLR | 20 | | | 136 | 64 | 28 | 21 | 07 | | 997 | | AD |
| SA | 1450 | CLR | 20 | | | 135 | 64 | 27 | 19 | 08 | | 997 | | AD |
| SA | 1552 | CLR | 20 | | | 140 | 63 | 25 | 19 | 12 | | 999 | 503 1050 ~~39~~ 65 RADAT 37092 | MR |
| SA | 1653 | CLR | 20 | | | 148 | 59 | 24 | 21 | 06 | | 001 | Ac NW-N | MR |
| SA | 1751 | CLR | 20 | | | 153 | 55 | 23 | 13 | 04 | | 001 | | MR |
| SA | 1853 | CLR | 20 | | | 166 | 50 | 22 | 05 | 07 | | 003 | 214 | MR |
| SA | 1954 | CLR | 20 | | | 164 | 47 | 22 | 05 | 03 | | 004 | Ac NE | MR |
| SA | 2052 | CLR | 20 | | | 167 | 45 | 23 | 10 | 02 | | 005 | | MR |
| SA | 2155 | CLR | 20 | | | 167 | 45 | 24 | 08 | 02 | | 006 | 208 65 | MR |
| SA | 2250 | CLR | 20 | | | 166 | 44 | 24 | 05 | 03 | | 006 | | MR |
| SA | 2354 | 250 -SCT | 20 | | | 170 | 46 | 25 | 07 | 03 | | 007 | | MR |

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

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

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

☆ U.S. GPO:1984-0-764-005/6085

SURFACE WEATHER OBSERVATIONS

DATE NOV 11 1988

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 | 26.515 | | | 60 | 0 | | | | | | | | | | | | | | | 0 | 5 | .005 | | | 00-01 |
| 01 57 | 26.530 | | | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 53 | 26.520 | | | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.530 | | | 65 | 0 | | | | | | | | | | | | | | | 0 | 1 | .015 | | | 03-04 |
| 04 50 | 26.550 | | | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.550 | | | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.570 | | | 76 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 50 | 26.590 | | | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.610 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.620 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 09-10 |
| 10 50 | 26.610 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.590 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.590 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | 6 | .030 | | | 12-13 |
| 13 50 | 26.570 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.570 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.580 | | | 23 | 0 | 0 | Ac | 170 | | | | | | | | | | | | 0 | 5 | .010 | | | 15-16 |
| 16 53 | 26.595 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.600 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.620 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 18-19 |
| 19 54 | 26.625 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.640 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 55 | 26.645 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | 2 | .025 | | | 21-22 |
| 22 50 | 26.645 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 54 | 26.660 | | | 44 | 3 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | | 0 | 0 | | 50 | 43 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 50 | 43 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 59 | 40 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 65 | 59 | | 0 | | | | | | | | |
| | 2152 | 4 | 0 | 0 | 0 | 63 | 44 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 46 | 43 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1552 | 2154 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.530 | 26.620 | 26.580 | 26.645 |
| BAROGRAPH 64 | 26.520 | 26.620 | 26.575 | 26.640 |
| 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 UNMLTD (Ins.) 69 | 4 AM SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 40 | 0 | 0 | 0 | 17 | S | 1520 | | | | | 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 0617 SUNSET 1639

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 CORRECT TO NEAREST MINUTE AT: / 0400 / 1655 /

SUPERSEDES MF1 10P (2-82 and 10-83) WHICH MAY BE USED

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

NEVADA, DESERT ROCK NEVADA

DATE NOV 13 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 250 - SCT | 20 | | | 168 | 44 | 26 | 00 | 00 | | 007 | 003 1008 | MR |
| SA | 0154 | 250 - SCT | 20 | | | 168 | 41 | 27 | 01 | 03 | | 006 | | MR |
| SA | 0252 | 250 - SCT | 20 | | | 166 | 42 | 28 | 00 | 00 | | 006 | | MR |
| SA | 0350 | 250 - SCT | 20 | | | 165 | 41 | 26 | 11 | 08 | | 005 | 705 1008 40 RADAT 56115 | [illegible] |
| SA | 0450 | 250 - SCT | 20 | | | 170 | 43 | 27 | 10 | 03 | | 006 | | [illegible] |
| SA | 0550 | 250 - SCT | 20 | | | 177 | 40 | 29 | 11 | 04 | | 007 | | [illegible] |
| SA | 0650 | 250 - SCT | 20 | | | 184 | 41 | 27 | 34 | 03 | | 008 | 210 1001 | [illegible] |
| SA | 0750 | CLR | 20 | | | 185 | 49 | 27 | 00 | 00 | | 009 | | [illegible] |
| SA | 0850 | CLR | 20 | | | 183 | 54 | 27 | 00 | 00 | | 009 | | [illegible] |
| SA | 0950 | CLR | 20 | | | 175 | 61 | 28 | 21 | 03 | | 008 | 000 37 | [illegible] |
| SA | 1050 | CLR | 20 | | | 167 | 63 | 29 | 23 | 07 | | 006 | | [illegible] |
| SA | 1150 | CLR | 20 | | | 153 | 65 | 30 | 21 | 05 | | 003 | | [illegible] |
| SA | 1250 | CLR | 20 | | | 143 | 65 | 32 | 22 | 08 | | 000 | 727 | [illegible] |
| SA | 1350 | CLR | 20 | | | 132 | 67 | 32 | 22 | 14 | | 996 | | [illegible] |
| SA | 1450 | CLR | 20 | | | 127 | 67 | 33 | 23 | 15 | | 995 | | [illegible] |
| SA | 1553 | CLR | 20 | | | 129 | 66 | 33 | 23 | 13 G19 | | 995 | 614 68 RADAT 28132 | MR |
| SA | 1652 | CLR | 20 | | | 129 | 63 | 33 | 23 | 13 | | 995 | | MR |
| SA | 1751 | CLR | 20 | | | 141 | 60 | 33 | 13 | 05 | | 997 | | MR |
| SA | 1858 | CLR | 20 | | | 140 | 54 | 28 | 08 | 06 | | 996 | 003 | MR |
| SA | 1953 | CLR | 20 | | | 135 | 53 | 30 | 02 | 05 | | 996 | | MR |
| SA | 2055 | CLR | 20 | | | 138 | 49 | 29 | 04 | 06 | | 997 | | MR |
| SA | 2152 | CLR | 20 | | | 134 | 50 | 30 | 08 | 03 | | 997 | 103 68 | MR |
| SA | 2252 | CLR | 20 | | | 134 | 47 | 29 | 10 | 05 | | 997 | | MR |
| SA | 2354 | CLR | 20 | | | 128 | 46 | 28 | 10 | 08 | | 996 | | 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:1984-0-764-006/6085

# SURFACE WEATHER OBSERVATIONS

DATE NOV 12 1968

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.655 | | | 49 | 2 | 2 | CS | 250 | | | | | | | | | | | | 0 | 0 | .010 | | | 00-01 |
| 01 54 | 26.650 | | | 55 | 4 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.645 | | | 56 | 4 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.640 | | | 53 | 3 | 3 | CS | 250 | | | | | | | | | | | | 0 | 7 | .015 | | | 03-04 |
| 04 50 | 26.650 | | | 53 | 3 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.660 | | | 64 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.670 | | | 57 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 50 | 26.680 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.680 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.670 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 50 | 26.650 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.620 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.590 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 7 | .080 | | | 12-13 |
| 13 50 | 26.560 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.550 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.550 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 6 | .040 | | | 15-16 |
| 16 52 | 26.550 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.565 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 58 | 26.560 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 18-19 |
| 19 53 | 26.560 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 55 | 26.570 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.570 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 21-22 |
| 22 52 | 26.565 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 54 | 26.555 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | | 0 | 0 | | 46 | 40 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 46 | 40 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 61 | 37 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 68 | 60 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 66 | 48 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 50 | 45 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1553 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.640 | 26.670 | 26.550 | 26.570 |
| BAROGRAPH 64 | 26.640 | 26.680 | 26.550 | 26.570 |
| BAR. CORR. 65 | 0 | -.010 | 0 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 37 | 0 | 0 | 0 | 24 | SW | 1555 | | | | | 0 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0618 SUNSET 1638

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 CORRECT TO NEAREST MINUTE AT: / 0358 / 1728 /

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

DATE NOV 13 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 129 | 45 | 30 | 06 | 06 | | 996 | 605 1001 | MR |
| SA | 0150 | CLR | 20 | | | 128 | 44 | 30 | 06 | 03 | | 996 | | MR |
| SA | 0252 | CLR | 20 | | | 125 | 41 | 29 | 31 | 03 | | 994 | | MR |
| SA | 0352 | CLR | 20 | | | 121 | 42 | 30 | 15 | 04 | | 993 | 808 1001 41 RADAT 37124 | DCa |
| SA | 0451 | CLR | 20 | | | 121 | 42 | 30 | 16 | 03 | | 993 | FEW Ci | DCa |
| SA | 0550 | 250-SCT | 20 | | | 119 | 42 | 31 | 07 | 07 | | 992 | | DCa |
| SA | 0651 | 250-SCT | 20 | | | 125 | 43 | 31 | 08 | 05 | | 993 | 500 1001 | DCa |
| SA | 0755 | 250-SCT | 20 | | | 123 | 52 | 33 | 17 | 04 | | 993 | | DCa |
| SA | 0850 | 250-SCT | 20 | | | 126 | 59 | 36 | 04 | 04 | | 994 | | DCa |
| SA | 0950 | 250-SCT | 20 | | | 117 | 66 | 34 | 18 | 15 | G27 | 993 | 000 1001 40 | DCa |
| SA | 1051 | 250-BKN | 20 | | | 101 | 69 | 36 | 21 | 15 | G29 | 988 | | DCa |
| SA | 1150 | CLR | 20 | | | 086 | 70 | 38 | 21 | 25 | G36 | 984 | Sc & Ci SE-S *PK WND | DCa |
| | | | | | | | | | | | | | 2136/49 | |
| SA | 1250 | 250-SCT | 20 | | | 087 | 69 | 39 | 21 | 26 | G39 | 984 | PK WND 2140/25 SC SE- | DCa |
| | | | | | | | | | | | | | S/627 1501 | DCa |
| SA | 1350 | 250-BKN | 20 | | | 072 | 69 | 41 | 21 | 33 | G42 | 980 | PK WND 2142/41 Sc ALQDS | DCa |
| | | | | | | | | | 21 | | | | AcSL SE-S | |
| SA | 1451 | E250 BKN | 20 | | | 073 | 67 | 42 | 21 | 27 | G40 | 980 | PK WND 2143/07 Sc ALQDS | DCa |
| | | | | | | | | | | | | | AcSL SE | |
| SA | 1555 | E250 BKN | 20 | | | 060 | 66 | 43 | 22 | 30 | G46 | 975 | PK WND 2246/53 Sc SE-S | |
| | | | | | | | | | | | | | ACSL SE 927 1548 71 | |
| | | | | | | | | | | | | | RADAT 25119 | HS |
| SA | 1650 | 60SCT 250-BKN | 20 | | | 051 | 65 | 43 | 20 | 28 | G50 | 973 | PKWND 2054/33 | HS |
| SA | 1752 | 250-SCT | 20 | | | 056 | 64 | 41 | 20 | 28 | G45 | 974 | FEW SC PK WND 2050/03 | HS |
| SA | 1852 | 250 SCT | 20 | | | 063 | 63 | 41 | 21 | 30 | G47 | 976 | PK WND 2147/47 302 1008 | HS |
| SA | 1950 | CLR | 20 | | | 057 | 62 | 42 | 22 | 24 | G36 | 975 | PK WND 2242/38 | HS |
| SA | 2052 | CLR | 20 | | | 056 | 62 | 42 | 20 | 24 | G36 | 976 | PK WND 2043/25 | HS |
| SA | 2150 | CLR | 20 | | | 050 | 59 | 43 | 20 | 27 | G40 | 975 | PK WND 2044/07 802 71 | HS |
| SA | 2250 | CLR | 20 | | | 053 | 58 | 44 | 19 | 26 | G38 | 976 | FEW SC PK WND 2048/02 | HS |
| SA | 2352 | CLR | 20 | | | 053 | 57 | 45 | 19 | 30 | G43 | 976 | FEW SC PK WND 1943/50 | 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 1-10 A (1-82) WHICH MAY BE USED.

U.S. GPO 1984-0-764-006/6085

(4-80)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

NEVADA, DESERT ROCK NEVADA

DATE NOV 13 1988

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.555 | | | 57 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .015 | | | 00-01 |
| 01 50 | 26.555 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.540 | | | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.530 | | | 62 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .025 | | | 03-04 |
| 04 51 | 26.530 | | | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.520 | | | 65 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.530 | | | 62 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 1 | 5 | .000 | | | 06-07 |
| 07 53 | 26.530 | | | 48 | 4 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 50 | 26.540 | | | 42 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.530 | | | 30 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 1 | 0 | .000 | | | 09-10 |
| 10 51 | 26.490 | | | 30 | 6 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 50 | 26.450 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.450 | | | 33 | 1 | 0 | Sc | 60 | 1 | Ci | 250 | 1 | | | | | | | | 0 | 6 | .080 | | | 12-13 |
| 13 50 | 26.410 | | | 36 | 8 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 51 | 26.405 | | | 40 | 8 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 55 | 26.370 | | | 42 | 8 | 0 | Sc | 60 | 0 | ASL | 130 | 0 | 8 | Cs | E250 | 8 | | | | 7 | 8 | .080 | | | 15-16 |
| 16 50 | 26.350 | | | 44 | 8 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 52 | 26.360 | | | 42 | 3 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 52 | 26.375 | | | 44 | 1 | 1 | Cs | 250 | | | | | | | | | | | | 1 | 3 | .005 | | | 18-19 |
| 19 50 | 26.370 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.380 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.370 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | 8 | .005 | | | 21-22 |
| 22 50 | 26.380 | | | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.380 | | | 65 | 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 | 48 | 41 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 50 | 41 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 66 | 40 | | 0 | | | | | | | | |
| | 1553 | 3 | 0 | 0 | 0 | 71 | 66 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 66 | 59 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 60 | 57 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0949 | 1554 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.530 | 26.530 | 26.370 | 26.370 |
| BAROGRAPH 64 | 26.530 | 26.525 | 26.370 | 26.380 |
| BAR. CORR. 65 | 0 | +.005 | 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 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 40 | 0 | 0 | 0 | 54 | S | 1633 | | | | | 4 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0619 SUNSET 1637

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 CORRECT TO NEAREST MINUTE AT: 1034 5P / 1905 /

~~1250/1250~~

~~1451/1451~~

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

## SURFACE WEATHER OBSERVATIONS

[redacted], DESERT ROCK, [redacted]

DATE NOV 14 1988

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 | 0052 | CLR | 20 | | | 054 | 57 | 45 | 21 | 25 | G40 | 976 | PK WND 1942/22 103 | HS |
| SA | 0151 | CLR | 20 | | | 054 | 57 | 43 | 20 | 23 | G40 | 976 | PK WND 2041/39 | HS |
| SA | 0251 | 60 SCT | 20 | | RW- | 049 | 55 | 47 | 21 | 15 | G30 | 974 | RB48 PK WND 2139/33 | HS |
| SP | 0330 | M 28 OVC | 20 | | RW- | | | | 21 | 15 | G29 | 974 | * 20002 | Oa |
| SA | 0350 | M 28 OVC | 20 | | RW- | 049 | 53 | 48 | 21 | 25 | G40 | 974 | 60702 1511 52 RADAT | Oa |
| | | | | | | | | | | | | | 91094 * PK WND 2140/43 | |
| SP | 0442 | 25 SCT M 50 OVC | 20 | | | | | | 21 | 20 | G30 | 973 | CIG RGD | Oa |
| SA | 0452 | 25 SCT M50 OVC | 20 | | | 046 | 53 | 48 | 21 | 18 | G31 | 973 | RE40 | Oa |
| SA | 0550 | 25 SCT M 45 OVC | 20 | | RW- | 047 | 52 | 47 | 20 | 15 | G29 | 973 | RB33 | Oa |
| SA | 0655 | M 55 BKN | 20 | | | 052 | 54 | 41 | 21 | 16 | G27 | 973 | RE12/60302 1500 | Oa |
| SA | 0751 | 30 SCT M 55 OVC | 20 | | | 057 | 53 | 42 | 20 | 15 | | 975 | SML BINOVC W RWY N-S | Oa |
| SP | 0805 | M 27 BKN 50 OVC | 20 | | RW- | | | | 20 | 15 | G31 | 975 | | Oa |
| SP | 0845 | 27 SCT M50 OVC | 20 | | RW- | | | | 20 | 17 | | 975 | BINOVC N | Oa |
| SA | 0852 | 27 SCT M50 BKN | 20 | | RW- | 054 | 52 | 39 | 22 | 18 | G28 | 974 | * CIG RGD * RB05 | Oa |
| SA | 0950 | 50 SCT 100 SCT 250 SCT | 20 | | | 054 | 55 | 37 | 21 | 18 | | 974 | RE01 RWY SE/10310 | Oa |
| | | ~~505~~ | | | | | | | | | | | 1131 51 | |
| SA | 1050 | 50 SCT 250 SCT | 20 | | | 054 | 54 | 35 | 21 | 15 | G29 | 974 | TCU SW-N RWY W | Oa |
| SA | 1150 | M 60 BKN 250 BKN | 20 | | | 061 | 55 | 36 | 26 | 12 | | 976 | CB W-NE RWY W-NE | Oa |
| SP | 1204 | M 25 BKN 50 BKN | 20 | | RW- | | | | 02 | 18 | G27 | 979 | CB OVHD MOVG E WSHFT | Oa |
| SP | 1240 | -X M 10 OVC | 5 | | ~~R-F~~ RW-F | | | | 36 | 17 | | 982 | F4 | Oa |
| SA | 1255 | -X M 10 OVC | 3 | | RW-F | 094 | 39 | 38 | 36 | 16 | | 983 | F6 CIG RGD VSBY LWR | Oa |
| | | | | | | | | | | | | | E-SE * PRESRR/32716 1611 | |
| | | | | | | | | | | | | | * RB03 * WSHFT 02 | |
| SP | 1306 | M 14 OVC | 7 | | RW- | | | | 02 | 14 | | 983 | CIG RGD VSBY LWR NE-SE | Oa |
| SP | 1330 | M 18 OVC | 10 | | RW- | | | | 02 | 14 | | 983 | CIG RGD | Oa |
| SA | 1350 | M 22 OVC | 20 | | | 088 | 41 | 38 | 04 | 11 | | 982 | * CIG RGD * RE47 | Oa |
| SP | 1411 | 25 SCT E 50 OVC | 20 | | | | | | 22 | 06 | | 983 | | Oa |
| SA | 1450 | E 50 BKN 250 BKN | 20 | | | 087 | 45 | 38 | 18 | 04 | | 982 | LWR CLDS ALQDS | Oa |
| SA | 1554 | 250 - SCT | 20 | | | 099 | 46 | 36 | 10 | 04 | | 985 | SC ALQDS 30721 1501 | |
| | | | | | | | | | | | | | 58 RADAT 67063 | HS |
| SA | 1652 | 250 SCT | 20 | | | 104 | 45 | 36 | 00 | 00 | | 986 | SC ALQDS | HS |
| SA | 1750 | CLR | 20 | | | 112 | 42 | 38 | 01 | 06 | | 988 | SC SE | HS |
| SA | 1850 | CLR | 20 | | | 123 | 43 | 32 | 34 | 11 | | 992 | SC SE 320 1500 | HS |
| SA | 1950 | CLR | 20 | | | 141 | 43 | 28 | 35 | 10 | | 996 | SC SE | HS |
| SA | 2050 | CLR | 20 | | | 143 | 44 | 26 | 36 | 12 | | 997 | | HS |
| SA | 2152 | CLR | 20 | | | 155 | 38 | 30 | 14 | 04 | | 001 | 127 ~~58~~ 60 | HS |
| SA | 2250 | CLR | 20 | | | 164 | 36 | 30 | 06 | 07 | | 003 | | HS |
| SA | 2350 | CLR | 20 | | | 166 | 39 | 28 | 08 | 06 | | 004 | | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_hC_LC_MC_H$ plus regional and national data groups.

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

☆U.S.GPO:1984-0-764-006/5065

# SURFACE WEATHER OBSERVATIONS

DATE NOV 14 1988

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 | 26.380 | | | 64 | 0 | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 | 51 | 26.380 | | | 60 | 0 | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 | 51 | 26.360 | | | 77 | 4 | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 | 50 | 26.360 | | | 83 | 10 | 10 | Sc | M28 | | | | | | | | | | | 10 | 6 | .020 | | | 03-04 |
| 04 | 52 | 26.350 | | | 83 | 10 | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 | 50 | 26.350 | | | 83 | 10 | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 | 55 | 26.350 | | | 61 | 9 | 9 | Sc | M55 | | | | | | | | | | | 9 | 6 | .010 | | | 06-07 |
| 07 | 51 | 26.370 | | | 66 | 10 | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 | 52 | 26.360 | | | 61 | 9 | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 | 50 | 26.360 | | | 50 | 4 | 1 | Cu | 50 | 1 | Ac | 100 | 2 | 2 | Ci | 250 | 4 | | | 3 | 1 | .010 | | | 09-10 |
| 10 | 50 | 26.360 | | | 52 | 4 | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 | 50 | 26.380 | | | 49 | 8 | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 | 55 | 26.440 | | | 97 | 10 | 6 | F | — | 10 | ST | M10 | 10 | | | | | | | 10 | 3 | .080 | | | 12-13 |
| 13 | 50 | 26.430 | | | 90 | 10 | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 | 50 | 26.430 | | | 77 | 8 | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 | 54 | 26.460 | | | 69 | 5 | 0 | Sc | 40 | 5 | Ci | 250 | 5 | | | | | | | 2 | 3 | .020 | | | 15-16 |
| 16 | 52 | 26.470 | | | 73 | 1 | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 | 50 | 26.490 | | | 84 | 0 | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 | 50 | 26.520 | | | 64 | 0 | 0 | Sc | 40 | | | | | | | | | | | 0 | 3 | .060 | | | 18-19 |
| 19 | 50 | 26.560 | | | 55 | 0 | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 | 50 | 26.570 | | | 49 | 0 | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 | 52 | 26.600 | | | 71 | 0 | | | | | | | | | | | | | | 0 | 1 | .080 | | | 21-22 |
| 22 | 50 | 26.615 | | | 80 | 0 | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 | 50 | 26.630 | | | 65 | 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 GROND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | .02 | 0 | X | 58 | 52 | X | X | | | | | | X | | |
| | 0348 | 1 | .02 | 0 | 0 | 60 | 52 | | 0 | | | | | | | | |
| | 0947 | 2 | .10 | 0 | 0 | 58 | 51 | | 1 | | | | | | | | |
| | 1552 | 3 | .21 | 0 | 0 | 56 | 39 | | 1 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 46 | 37 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 40 | 36 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0948 | 1553 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.360 | 26.360 | 26.460 | 26.600 |
| BAROGRAPH 64 | 26.360 | 26.360 | 26.460 | 26.600 |
| 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 | 0400 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 36 | .33 | 0 | 0 | 42 | S | 0022 | | | | | 8 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0248 | 0440 | | | |
| RW- | 0533 | 0612 | | | |
| RW- | 0805 | 0901 | | | |
| RW- | 1203 | 1211 | | | |
| RW | 1211 | 1237 | | | |
| RW- | 1237 | 1347 | | | |
| F | 1240 | 1306 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0620P SUNSET 1637P

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 CORRECT TO NEAREST MINUTE AT: 10339P / 1925P

~~1050/1050~~

~~1240/1240~~

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

## SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK, NV

DATE NOV 15 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 184 | 38 | 27 | 02 | 06 | | 006 | 217 | HS |
| SA | 0152 | CLR | 20 | | | 191 | 36 | 28 | 10 | 07 | | 008 | | HS |
| SA | 0253 | CLR | 20 | | | 195 | 34 | 29 | 14 | 05 | | 009 | *20038 | HS |
| SA | 0350 | CLR | 20 | | | 200 | 35 | 29 | 00 | 00 | | 012 | 217 33* RADAT 45059 | Dca |
| SA | 0450 | CLR | 20 | | | 206 | 34 | 28 | 30 | 04 | | 013 | | Dca |
| SA | 0550 | CLR | 20 | | | 214 | 32 | 29 | 10 | 05 | | 014 | | Dca |
| SA | 0655 | CLR | 20 | | | 220 | 33 | 29 | 10 | 05 | | 016 | 3 H4 1001 | Dca |
| SA | 0750 | 250-SCT | 20 | | | 221 | 38 | 28 | 00 | 00 | | 017 | | Dca |
| SA | 0850 | 250-SCT | 20 | | | 218 | 42 | 29 | 16 | 04 | | 017 | | Dca |
| SA | 0950 | 250-SCT | 20 | | | 226 | 48 | 26 | 28 | 04 | | 019 | 310 1001 31 | Dca |
| SA | 1051 | CLR | 20 | | | 222 | 50 | 19 | 28 | 03 | | 018 | FEW Ci | Dca |
| SA | 1152 | CLR | 20 | | | 215 | 52 | 22 | 27 | 09 | | 017 | Ci NW | Dca |
| SA | 1250 | CLR | 20 | | | 209 | 53 | 24 | 27 | 05 | | 015 | 814 1001 | Dca |
| SA | 1350 | CLR | 20 | | | 200 | 54 | 23 | 25 | 05 | | 013 | Cu Ci NW-NE | Dca |
| SA | 1450 | CLR | 20 | | | 201 | 54 | 21 | 18 | 07 | | 013 | Cu NW Ci NW-NE | Dca |
| SA | 1550 | 250-SCT | 20 | | | 204 | 54 | 20 | 20 | 07 | | 014 | 503 1501 55 RADAT 43074 | HS |
| SA | 1650 | 250-SCT | 20 | | | 207 | 51 | 26 | 28 | 03 | | 014 | SC N | HS |
| SA | 1750 | CLR | 20 | | | 212 | 47 | 29 | 05 | 03 | | 015 | | HS |
| SA | 1850 | CLR | 20 | | | 221 | 42 | 33 | 07 | 06 | | 016 | 307 | HS |
| SA | 1950 | CLR | 20 | | | 223 | 40 | 33 | 06 | 04 | | 017 | | HS |
| SA | 2050 | CLR | 20 | | | 224 | 40 | 31 | 00 | 00 | | 018 | | HS |
| SA | 2153 | CLR | 20 | | | 229 | 38 | 31 | 12 | 03 | | 020 | 214 55 | HS |
| SA | 2250 | CLR | 20 | | | 228 | 37 | 31 | 07 | 05 | | 020 | | HS |
| SA | 2355 | CLR | 20 | | | 228 | 36 | 30 | 11 | 04 | | 020 | | 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 1-10 A (1-82) WHICH MAY BE USED.

☆U.S. GPO:1984-0-754-006/6095

# SURFACE WEATHER OBSERVATIONS

DATE NOV 15 1988

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 | 26.650 | | | 65 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 00-01 |
| 01 52 | 26.665 | | | 75 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 53 | 26.680 | | | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.700 | | | 79 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 03-04 |
| 04 50 | 26.710 | | | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.720 | | | 89 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.740 | | | 85 | D | D | Ci | 250 | | | | | | | | | | | | D | 3 | .040 | | | 06-07 |
| 07 50 | 26.750 | | | 67 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.750 | | | 60 | 5 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 50 | 26.770 | | | 42 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 1 | 3 | .030 | | | 09-10 |
| 10 51 | 26.760 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.750 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.730 | | | 32 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .040 | | | 12-13 |
| 13 50 | 26.710 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.710 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.720 | | | 27 | 3 | 0 | Sc | 40 | 3 | Ci | 250 | 3 | | | | | | | | 1 | 5 | .010 | | | 15-16 |
| 16 50 | 26.720 | | | 37 | 4 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.725 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.740 | | | 71 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 50 | 26.750 | | | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.760 | | | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.780 | | | 75 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 50 | 26.780 | | | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.780 | | | 79 | 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 | | 39 | 33 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 40 | 33 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 48 | 31 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 55 | 48 | | 0 | | | | | | | | |
| | 2151 | 4 | 0 | 0 | 0 | 54 | 38 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 38 | 36 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0949 | 1549 | 2152 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.770 | 26.720 | 26.780 |
| BAROGRAPH 64 | 26.700 | 26.770 | 26.720 | 26.780 |
| 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 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 31 | 0 | 0 | 0 | 15 | N | 0017 | | | | | 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 0621 SUNSET 1636

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 CORRECT TO NEAREST MINUTE AT: 1035 2P / 1905 /

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: NOV 16 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 228 | 35 | 29 | 13 | 03 | | 020 | 400 | HS |
| SA | 0150 | CLR | 20 | | | 224 | 34 | 30 | 10 | 03 | | 019 | | HS |
| SA | 0251 | CLR | 20 | | | 223 | 36 | 29 | 34 | 03 | | 019 | | HS |
| SA | 0353 | CLR | 20 | | | 223 | 35 | 28 | 12 | 04 | | 019 | 603 33 RADAT 42075 | JS |
| SA | 0452 | CLR | 20 | | | 226 | 33 | 29 | 09 | 04 | | 019 | | JS |
| SA | 0550 | CLR | 20 | | | 230 | 33 | 28 | 12 | 05 | | 020 | | JS |
| SA | 0650 | 250-SCT | 20 | | | 238 | 35 | 28 | 09 | 05 | | 022 | 307 1001 | JS |
| SA | 0756 | 250 SCT | 20 | | | 235 | 41 | 29 | 00 | 00 | | 022 | | JS |
| SA | 0853 | 180 SCT 250 SCT | 20 | | | 237 | 45 | 29 | 29 | 07 | | 023 | | JS |
| SA | 0951 | 180 SCT E250 BKN | 20 | | | 231 | 50 | 28 | 21 | 06 | | 022 | 000 1028 32 | JS |
| SA | 1053 | 180 SCT E250 OVC | 20 | | | 221 | 52 | 27 | 24 | 06 | | 019 | | JS |
| SA | 1152 | 150 SCT E250 OVC | 20 | | | 207 | 54 | 25 | 21 | 07 | | 015 | | JS |
| SA | 1254 | 150 SCT 250-OVC | 20 | | | 194 | 55 | 26 | 23 | 10 | | 012 | ACSL NW / 732 1047 | JS |
| SA | 1350 | 150 SCT 250-OVC | 20 | | | 180 | 56 | 26 | 24 | 12G21 | | 007 | ACSL NW | JS |
| SA | 1450 | 120 SCT 250-BKN | 20 | | | 169 | 57 | 26 | 19 | 12G21 | | 005 | | JS |
| SA | 1557 | 150 SCT E250 BKN | 20 | | | 166 | 54 | 25 | 16 | 07 | | 003 | 625 1032 57 RADAT | EP |
| | | | | | | | | | | | | | 39407810 4113 | |
| SA | 1651 | 150 SCT 250-BKN | 20 | | | 165 | 51 | 25 | 17 | 10 | | 002 | | EP |
| SA | 1751 | 150 SCT E250 BKN | 20 | | | 158 | 49 | 27 | 13 | 06 | | 000 | | EP |
| SA | 1857 | 140 SCT E250 BKN | 20 | | | 147 | 47 | 28 | 14 | 09 | | 996 | 820 1078 | EP |
| SA | 1952 | 140 SCT E250 BKN | 20 | | | 141 | 45 | 31 | 00 | 00 | | 995 | | EP |
| SA | 2052 | 140 SCT E250 OVC | 20 | | | 127 | 45 | 29 | 02 | 06 | | 992 | | EP |
| SA | 2154 | 250-SCT | 20 | | | 115 | 40 | 32 | 06 | 08 | | 988 | 824 1008 57 | EP |
| SA | 2250 | 250-SCT | 20 | | | 096 | 45 | 27 | 07 | 05 | | 984 | | EP |
| SA | 2356 | CLR | 20 | | | 070 | 55 | 25 | 20 | 22 G34 | | 979 | | EP |

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

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

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE NOV 16 1988

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 54 | 26.780 | | | 77 | 0 | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 | 50 | 26.770 | | | 84 | 0 | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 | 51 | 26.770 | | | 76 | 0 | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 | 53 | 26.770 | | | 77 | 0 | | | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 | 53 | 26.770 | | | 87 | 0 | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 | 50 | 26.775 | | | 84 | 0 | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 | 50 | 26.790 | | | 77 | 1 | 1 | Ci | 250 | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 | 56 | 26.790 | | | 61 | 1 | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 | 53 | 26.800 | | | 53 | 3 | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 | 51 | 26.790 | | | 42 | 9 | 2 | AS | 180 | 7 | CS | E250 | 9 | | | | | | | 7 | 0 | .000 | | | 09-10 |
| 10 | 53 | 26.765 | | | 37 | 10 | | | | | | | | | | | | | | 7 | | | | | 10-11 |
| 11 | 52 | 26.730 | | | 33 | 10 | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 | 54 | 26.695 | | | 33 | 10 | 1 | Ac | 150 | 10 | CS | 250 | 10 | | | | | | | 4 | 7 | .095 | | | 12-13 |
| 13 | 50 | 26.660 | | | 31 | 10 | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 | 50 | 26.635 | | | 30 | 8 | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 | 57 | 26.620 | | | 32 | 7 | 3 | Ac | 150 | 5 | Ci | E250 | 7 | | | | | | | 4 | 6 | .075 | | | 15-16 |
| 16 | 51 | 26.610 | | | 36 | 9 | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 | 51 | 26.590 | | | 42 | 9 | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 | 57 | 26.560 | | | 48 | 9 | 3 | Ac | 140 | 7 | CS | E250 | 9 | | | | | | | 7 | 8 | .060 | | | 18-19 |
| 19 | 52 | 26.550 | | | 58 | 9 | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 | 52 | 26.520 | | | 53 | 10 | | | | | | | | | | | | | | 8 | | | | | 20-21 |
| 21 | 54 | 26.490 | | | 73 | 5 | 5 | Cs | 250 | | | | | | | | | | | 1 | 8 | .070 | | | 21-22 |
| 22 | 50 | 26.450 | | | 49 | 1 | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 | 56 | 26.400 | | | 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 0350 | X | 0 | 0 | X | 38 | 33 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 38 | 33 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 50 | 32 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 57 | 50 | | 0 | | | | | | | | |
| | 2151 | 4 | 0 | 0 | 0 | 54 | 40 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 55 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0951 | 1552 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.770 | 26.790 | 26.620 | 26.490 |
| BAROGRAPH 64 | 26.780 | 26.805 | 26.630 | 26.480 |
| BAR. CORR. 65 | -.010 | -.015 | -.010 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 32 | 0 | 0 | 0 | 34 | 5 | 2353 | | | | | 7 | 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 0622 SUNSET 1635

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 CORRECT TO NEAREST MINUTE AT: 1054P/2151

MF 1-10A
(5-83)

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

STATION: WSMO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE: Nov. 17, 1988

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 | 0053 | CLR | 20 | | | 070 | 54 | 27 | 19 | 22 | G33 | 979 | 630 | EP |
| SA | 0151 | CLR | 20 | | | 070 | 53 | 30 | 20 | 20 | G29 | 979 | | EP |
| SA | 0250 | CLR | 20 | | | 070 | 52 | 31 | 22 | 14 | G21 | 979 | | EP |
| SA | 0354 | CLR | 20 | | | 079 | 50 | 32 | 19 | 06 | | 981 | 305 40 RADAT 54082 | JS |
| SA | 0450 | CLR | 20 | | | 086 | 49 | 33 | 23 | 10 | G18 | 982 | | JS |
| SA | 0550 | CLR | 20 | | | 098 | 46 | 33 | 24 | 08 | | 985 | Sc N-NE S | JS |
| SA | 0654 | 45 SCT | 20 | | | 110 | 45 | 34 | 00 | 00 | | 987 | 222 1500 | JS |
| SA | 0754 | CLR | 20 | | | 109 | 48 | 34 | 27 | 03 | | 987 | Sc AlQDS | JS |
| SA | 0855 | CLR | 20 | | | 111 | 52 | 14 | 29 | 07 | | 988 | Sc E-S | JS |
| SA | 0950 | CLR | 20 | | | 110 | 54 | 14 | 30 | 15 | | 988 | 002 40 | JS |
| SA | 1050 | CLR | 20 | | | 102 | 55 | 11 | 31 | 10 | G19 | 986 | Sc NW N-E-SE | JS |
| SA | 1150 | CLR | 20 | | | 088 | 56 | 9 | 30 | 12 | G24 | 984 | Cu AlQds | JS |
| SA | 1250 | 85 SCT | 20 | | | 082 | 56 | 13 | 33 | 10 | G18 | 983 | 717 1100 | JS |
| SA | 1354 | 85 SCT | 20 | | | 080 | 53 | 16 | 30 | 12 | | 981 | VIRGA N-E | JS |
| SA | 1450 | 85 SCT | 20 | | | 078 | 53 | 16 | 31 | 10 | | 981 | VIRGA W-N-E | JS |
| SA | 1556 | 85 SCT | 20 | | | 080 | 52 | 13 | 31 | 13 | | 981 | 607 1100 57 RADAT 23074 | EP |
| SA | 1650 | 80 SCT | 20 | | | 084 | 49 | 19 | 35 | 10 | | 981 | | EP |
| SA | 1751 | 80 SCT 200-BKN | 20 | | | 090 | 47 | 19 | 02 | 13 | | 982 | | EP |
| SA | 1854 | 80 SCT E200 OVC | 20 | | | 095 | 47 | 15 | 36 | 18 | G28 | 983 | 308 1408 | EP |
| SA | 1952 | 80 SCT 200 SCT | 20 | | | 102 | 45 | 17 | 02 | 08 | | 985 | | EP |
| SA | 2052 | 200 - SCT | 20 | | | 105 | 41 | 29 | 03 | 08 | | 986 | | EP |
| SA | 2155 | 200 - BKN | 20 | | | 108 | 40 | 29 | 02 | 09 | | 987 | 114 1008 57 | EP |
| SA | 2250 | 50 SCT E200 BKN | 20 | | | 108 | 41 | 29 | 08 | 04 | | 987 | | EP |
| SA | 2354 | M50 BKN 200 OVC | 20 | | | 110 | 42 | 29 | 05 | 16 | | 988 | | 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 iRi hVV Nddff 1s TTT 2s T T T T 3P P P P 4PPPP 5appp 6RRRt 7wwW1W2 8NhCl CMCl plus regional and national data groups.

(4-8c)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

[illegible], DESERT ROCK NEVADA

DATE NOV. 17, 1988

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 | 26.400 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 6 | .090 | | | 00-01 |
| 01 51 | 26.400 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.400 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.415 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 03-04 |
| 04 50 | 26.430 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.455 | | | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.480 | | | 64 | 2 | 2 | Sc | 45 | | | | | | | | | | | | 2 | 2 | .065 | | | 06-07 |
| 07 54 | 26.480 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.490 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.485 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | 0 | .005 | | | 09-10 |
| 10 50 | 26.470 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.450 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.435 | | | 18 | 1 | 1 | Cu | 85 | | | | | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 54 | 26.420 | | | 23 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.415 | | | 23 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 56 | 26.415 | | | 21 | 3 | 3 | Cu | 85 | | | | | | | | | | | | 3 | 6 | .020 | | | 15-16 |
| 16 50 | 26.420 | | | 30 | 3 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 51 | 26.430 | | | 33 | 8 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 54 | 26.440 | | | 27 | 10 | 3 | Sc | 80 | 8 | Cs | E200 | 10 | | | | | | | | 9 | 3 | .025 | | | 18-19 |
| 19 52 | 26.460 | | | 32 | 5 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 52 | 26.470 | | | 62 | 2 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 55 | 26.480 | | | 65 | 6 | 6 | Cs | 200 | | | | | | | | | | | | 2 | 1 | .040 | | | 21-22 |
| 22 50 | 26.480 | | | 62 | 8 | | | | | | | | | | | | | | | 7 | | | | | 22-23 |
| 23 54 | 26.490 | | | 60 | 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 0350 | X | 0 | 0 | X | 55 | 50 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 55 | 40 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 54 | 43 | | 0 | | | | | | | | |
| | 1552 | 3 | 0 | 0 | 0 | 57 | 52 | | 0 | | | | | | | | |
| | 2152 | 4 | 0 | 0 | 0 | 52 | 40 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 42 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0950 | 1554 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.415 | 26.485 | 26.415 | 26.480 |
| BAROGRAPH 64 | 26.405 | 26.485 | 26.415 | 26.480 |
| BAR. CORR. 65 | +.010 | ±0 | 0 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 40 | 0 | 0 | 0 | 33 | 5 | 0044 | | | | | 1 | 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 0623 SUNSET 1635

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 CORRECT TO NEAREST MINUTE AT: 10517P / 21301

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

## SURFACE WEATHER OBSERVATIONS

DATE NOV 18, 1988

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 | 0057 | 30 SCT E 50 OVC | 20 | | | 112 | 39 | 32 | 14 | 08 | | 988 | RB04E31/10300 18// | EP |
| SA | 0152 | M 35 BKN 50 OVC | 20 | | | 122 | 39 | 32 | 11 | 05 | | 991 | | EP |
| SA | 0250 | M30 OVC | 20 | | | 124 | 41 | 28 | 20 | 04 | | 992 | CIG RGD | EP |
| SP | 0327 | 5 SCT M 22 OVC | 10 | | | | | | 03 | 10 | | 994 | CIG RGD | JS |
| SA | 0350 | 5 SCT M28 OVC | 10 | | | 131 | 42 | 22 | 02 | 08 | | 994 | CIG RGD / 21700 | JS |
| / | | | | | | | | | | | | | 15// 38 RADAT 50052 | |
| RS | 0450 | 30 SCT 65 SCT E 120 OVC | 20 | | | 145 | 41 | 21 | 02 | 08 | | 997 | | JS |
| SA | 0550 | 65 SCT E 120 BKN | 20 | | | 155 | 40 | 20 | 03 | 15 | | 000 | | JS |
| SA | 0651 | 65 SCT 250-BKN | 20 | | | 170 | 40 | 19 | 03 | 15 | | 004 | 230 1508 | JS |
| SA | 0754 | 250 - BKN | 20 | | | 180 | 42 | 19 | 03 | 12G21 | | 007 | | JS |
| SA | 0857 | CLR | 20 | | | 191 | 44 | 19 | 04 | 10G20 | | 009 | Cu A/Qds CS SE | JS |
| SA | 0955 | CLR | 20 | | | 196 | 47 | 17 | 36 | 17G25 | | 012 | 224 1100 38 | JS |
| SA | 1050 | CLR | 20 | | | 195 | 49 | 17 | 36 | 14G22 | | 012 | Cu A/Qds | JS |
| SA | 1150 | CLR | 20 | | | 186 | 50 | 16 | 01 | 12G19 | | 009 | Cu A/Qds | JS |
| SA | 1255 | CLR | 20 | | | 186 | 51 | 16 | 05 | 14 | | 009 | 708 1500 | JS |
| SA | 1351 | CLR | 20 | | | 188 | 51 | 15 | 04 | 10G19 | | 009 | SCu A/Qds | JS |
| SA | 1450 | CLR | 20 | | | 191 | 52 | 15 | 04 | 10G18 | | 012 | SC SW-NW SE | JS |
| SA | 1554 | CLR | 20 | | | 194 | 51 | 16 | 04 | 13 | | 012 | 108 140152 RADAT 34067 | EP |
| SA | 1650 | CLR | 20 | | | 204 | 48 | 15 | 03 | 13 | | 014 | | EP |
| SA | 1752 | CLR | 20 | | | 217 | 46 | 18 | 07 | 09 | | 017 | | EP |
| SA | 1850 | CLR | 20 | | | 224 | 44 | 18 | 04 | 13 | | 018 | 120 | EP |
| SA | 1950 | CLR | 20 | | | 233 | 43 | 18 | 04 | 11 | | 022 | | EP |
| SA | 2052 | CLR | 20 | | | 236 | 42 | 18 | 03 | 13 | | 023 | | EP |
| SA | 2152 | CLR | 20 | | | 231 | 41 | 18 | 04 | 19G26 | | 022 | 010 52 | EP |
| SA | 2250 | 250 - SCT | 20 | | | 235 | 40 | 18 | 04 | 22G31 | | 023 | | EP |
| SA | 2357 | 250 - SCT | 20 | | | 243 | 38 | 18 | 06 | 13 | | 025 | | EP |

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

FM12-VII [illegible] 1s TTT 2s T:T:T: 3P P:P P 4PPPP 5appp 6RRRtp 7wwW:W: 8N:C: C:C:C: plus regional and national data groups.

NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE NOV. 18, 1988

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 57 | 26.490 | | | 76 | 10 | 4 | CU | 30 | 6 | Sc | E50 | 10 | | | | | | | | 10 | 1 | .010 | | | 00-01 |
| 01 52 | 26.510 | | | 76 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.520 | | | 60 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 50 | 26.540 | | | 45 | 10 | 2 | STRA | 5 | 8 | Sc | M28 | 10 | | | | | | | | 10 | 2 | .050 | | | 03-04 |
| 04 50 | 26.565 | | | 45 | 10 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 50 | 26.590 | | | 45 | 9 | | | | | | | | | | | | | | | 9 | | | | | 05-06 |
| 06 51 | 26.630 | | | 43 | 8 | 2 | Sc | 65 | 6 | CS | 250 | 8 | | | | | | | | 3 | 2 | .090 | | | 06-07 |
| 07 54 | 26.655 | | | 40 | 6 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 57 | 26.680 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 55 | 26.700 | | | 30 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 2 | .070 | | | 09-10 |
| 10 50 | 26.695 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.680 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 55 | 26.675 | | | 25 | 0 | 0 | Sc | 80 | | | | | | | | | | | | 0 | 7 | .025 | | | 12-13 |
| 13 51 | 26.680 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.695 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 54 | 26.700 | | | 25 | 0 | 0 | Sc | 80 | 0 | CI | 230 | 0 | | | | | | | | 0 | 1 | .025 | | | 15-16 |
| 16 50 | 26.720 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.750 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.760 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 1 | .060 | | | 18-19 |
| 19 50 | 26.790 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.800 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.790 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | 0 | .030 | | | 21-22 |
| 22 50 | 26.800 | | | 41 | 3 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 57 | 26.820 | | | 44 | 1 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | T | 0 | X | 43 | 38 | X | X | | | | | | X | | |
| | 0348 | 1 | T | 0 | 0 | 43 | 38 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 47 | 39 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 52 | 47 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 51 | 41 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 38 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0855 | 1551 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.540 | 26.700 | 26.700 | 26.790 |
| BAROGRAPH 64 | 26.540 | 26.705 | 26.710 | 26.800 |
| BAR. CORR. 65 | ±0 | .005 | -.010 | -.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 38 | T | 0 | 0 | 31 | NE | 2243 | | | | | 1 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0004 | 0031 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0624 SUNSET 1634

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 CORRECT TO NEAREST MINUTE AT: 10715 12030 1

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

## SURFACE WEATHER OBSERVATIONS

DATE NOV. 19, 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIM. ETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 244 | 38 | 18 | 03 | 15 | | 025 | 110 1008 | EP |
| SA | 0152 | CLR | 20 | | | 243 | 37 | 18 | 04 | 12 | | 025 | | EP |
| SA | 0250 | CLR | 20 | | | 243 | 36 | 18 | 04 | 13 | | 025 | | EP |
| SA | 0354 | CLR | 20 | | | 242 | 35 | 18 | 04 | 17 | | 025 | 802 35 RADAT 38050 | JS |
| SA | 0450 | CLR | 20 | | | 247 | 35 | 17 | 03 | 12 | | 026 | | JS |
| SA | 0554 | E200 BKN | 20 | | | 247 | 37 | 17 | 04 | 13 | | 026 | | JS |
| SA | 0650 | 140 SCT E250 OVC | 20 | | | 255 | 36 | 17 | 04 | 13 | | 027 | 208 1028 | JS |
| SA | 0752 | 140 SCT E250 OVC | 20 | | | 271 | 38 | 18 | 04 | 12 | | 029 | | JS |
| SA | 0852 | E200 OVC | 20 | | | 264 | 39 | 17 | 04 | 13 | | 030 | | JS |
| SA | 0951 | 140 SCT E200 OVC | 20 | | | 266 | 42 | 17 | 05 | 12 | | 031 | 212 1028 35 | JS |
| SA | 1050 | 140 SCT E250 OVC | 20 | | | 257 | 44 | 17 | 03 | 11 | | 028 | | JS |
| SA | 1152 | 140 SCT E250 OVC | 20 | | | 250 | 47 | 17 | 12 | 06 | | 026 | | JS |
| SA | 1252 | 250 - BKN | 20 | | | 231 | 49 | 16 | 14 | 06 | | 022 | 729 1008 | JS |
| SA | 1352 | E250 BKN | 20 | | | 229 | 50 | 16 | 00 | 00 | | 021 | | JS |
| SA | 1450 | 250 SCT | 20 | | | 234 | 49 | 15 | 00 | 00 | | 022 | | JS |
| SA | 1554 | 170 SCT | 20 | | | 231 | 47 | 14 | 12 | 06 | | 020 | 803 1030 50 RADAT 20072 | EP |
| SA | 1652 | 160 SCT | 20 | | | 235 | 43 | 15 | 10 | 06 | | 020 | | EP |
| SA | 1750 | CLR | 20 | | | 238 | 40 | 17 | 10 | 06 | | 022 | | EP |
| SA | 1852 | CLR | 20 | | | 245 | 37 | 18 | 06 | 06 | | 023 | 307 | EP |
| SA | 1950 | CLR | 20 | | | 248 | 35 | 18 | 35 | 06 | | 024 | | EP |
| SA | 2055 | CLR | 20 | | | 248 | 35 | 18 | 36 | 06 | | 024 | | EP |
| SA | 2153 | CLR | 20 | | | 251 | 33 | 18 | 36 | 03 | | 025 | 307 50 | EP |
| SA | 2252 | CLR | 20 | | | 250 | 33 | 17 | 11 | 04 | | 025 | | EP |
| SA | 2350 | CLR | 20 | | | 246 | 31 | 18 | 05 | 04 | | 024 | | 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 iii kVV Nddff 1s TTT 2s T2T2T2 3P-P-P-P- 4PPPP 5appp 6RRRtp 7wwW1W2 8N-C1 C2C3 plus regional and national data groups.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# WSMO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE NOV. 19, 1988

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 | 26.820 | | | 44 | 0 | 0 | CS | 250 | | | | | | | | | | | | 0 | 1 | .030 | | | 00-01 |
| 01 52 | 26.820 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.820 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.815 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | 8 | .005 | | | 03-04 |
| 04 50 | 26.825 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.825 | | | 45 | 8 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 50 | 26.840 | | | 46 | 10 | 3 | AS | 140 | 7 | CS | E250 | 10 | | | | | | | | 8 | 2 | .025 | | | 06-07 |
| 07 52 | 26.855 | | | 44 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 52 | 26.865 | | | 41 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 51 | 26.875 | | | 37 | 10 | 3 | AS | 140 | 7 | CS | E200 | 10 | | | | | | | | 10 | 2 | .035 | | | 09-10 |
| 10 50 | 26.850 | | | 33 | 10 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 52 | 26.830 | | | 29 | 10 | | | | | | | | | | | | | | | 9 | | | | | 11-12 |
| 12 52 | 26.790 | | | 27 | 7 | 7 | CS | 250 | | | | | | | | | | | | 3 | 7 | .085 | | | 12-13 |
| 13 52 | 26.785 | | | 26 | 7 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 50 | 26.790 | | | 26 | 3 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 54 | 26.780 | | | 26 | 1 | 1 | Ac | 170 | | | | | | | | | | | | 1 | 8 | .010 | | | 15-16 |
| 16 52 | 26.780 | | | 32 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.790 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.800 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 50 | 26.810 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 55 | 26.810 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.820 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 52 | 26.820 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.810 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 39 | 35 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 41 | 35 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 42 | 35 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 50 | 42 | | 0 | | | | | | | | |
| | 2151 | 4 | 0 | 0 | 0 | 47 | 32 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 35 | 31 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0951 | 1552 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.815 | 26.875 | 26.780 | 26.820 |
| BAROGRAPH 64 | 26.820 | 26.880 | 26.800 | 26.830 |
| BAR. CORR. 65 | -.005 | -.005 | -.020 | -.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 31 | 0 | 0 | 0 | 21 | NE | 0003 | | | | | 8 | 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 0625 SUNSET 1633

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 CORRECT TO NEAREST MINUTE AT: 1095Z / 1655 /

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: NOV. 20, 1988

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 | | | 245 | 30 | 18 | 08 | 06 | | 024 | 603 | EP |
| SA | 0151 | CLR | 20 | | | 239 | 31 | 17 | 00 | 00 | | 023 | | EP |
| SA | 0250 | CLR | 20 | | | 236 | 30 | 17 | 33 | 06 | | 022 | | EP |
| SA | 0352 | CLR | 20 | | | 236 | 30 | 16 | 13 | 03 | | 021 | 608 1001 29 RADAT | RD |
| — | — | | — | | | — | | | | | | — | 41L035078 | — |
| SA | 0455 | CLR | 20 | | | 237 | 29 | 17 | 07 | 04 | | 020 | | RD |
| SA | 0555 | 200 SCT | 20 | | | 237 | 29 | 17 | 30 | 03 | | 020 | | RD |
| SA | 0655 | E200 BKN | 20 | | | 243 | 28 | 19 | 14 | 03 | | 020 | 502 1008 | RD |
| SA | 0754 | E200 BKN | 20 | | | 243 | 36 | 16 | 10 | 04 | | 022 | | RD |
| SA | 0857 | 200 SCT | 20 | | | 241 | 43 | 17 | 28 | 04 | | 023 | | RD |
| SA | 0955 | 200 SCT | 20 | | | 239 | 48 | 14 | 05 | 08 | | 023 | 207 1001 27 | RD |
| SA | 1052 | 200 SCT | 20 | | | 231 | 51 | 15 | 11 | 03 | | 020 | | RD |
| SA | 1153 | 200 SCT | 20 | | | 221 | 55 | 14 | 36 | 03 | | 018 | | RD |
| SA | 1254 | 200 SCT | 20 | | | 216 | 54 | 15 | 28 | 05 | | 016 | 720 1004 | RD |
| SA | 1352 | 200 SCT | 20 | | | 205 | 55 | 14 | 18 | 04 | | 014 | | RD |
| SA | 1454 | 200 SCT | 20 | | | 205 | 56 | 16 | 25 | 07 | | 014 | | RD |
| SA | 1553 | CLR | 20 | | | 208 | 54 | 15 | 23 | 08 | | 014 | 607 1001 56 RADAT 26082 | [illegible] |
| SA | 1650 | CLR | 20 | | | 215 | 49 | 16 | 22 | 04 | | 015 | | [illegible] |
| SA | 1754 | CLR | 20 | | | 224 | 41 | 20 | 07 | 03 | | 016 | | [illegible] |
| SA | 1855 | CLR | 20 | | | 230 | 39 | 20 | 10 | 04 | | 017 | 210 | [illegible] |
| SA | 1951 | CLR | 20 | | | 232 | 36 | 20 | 10 | 05 | | 019 | | [illegible] |
| SA | 2056 | CLR | 20 | | | 235 | 34 | 20 | 04 | 03 | | 020 | | [illegible] |
| SA | 2152 | CLR | 20 | | | 235 | 35 | 20 | 09 | 04 | | 022 | 214 56 | [illegible] |
| SA | 2256 | CLR | 20 | | | 238 | 34 | 20 | 02 | 05 | | 023 | | [illegible] |
| SA | 2354 | CLR | 20 | | | 235 | 35 | 19 | 36 | 05 | | 023 | | [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.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE NOV. 20 1988

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 | 26.810 | | | 61 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 00-01 |
| 01 51 | 26.800 | | | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.790 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.785 | | | 56 | 0 | 0 | C1 | 200 | | | | | | | | | | | | 0 | 6 | .025 | | | 03-04 |
| 04 55 | 26.780 | | | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.775 | | | 60 | 3 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 55 | 26.780 | | | 69 | 6 | 6 | CS | E200 | | | | | | | | | | | | 5 | 5 | .005 | | | 06-07 |
| 07 54 | 26.790 | | | 44 | 6 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 57 | 26.795 | | | 35 | 4 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 55 | 26.800 | | | 25 | 1 | 1 | C1 | 200 | | | | | | | | | | | | 1 | 2 | .020 | | | 09-10 |
| 10 52 | 26.780 | | | 24 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 53 | 26.760 | | | 20 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 54 | 26.740 | | | 21 | 5 | 5 | C1 | 200 | | | | | | | | | | | | 4 | 7 | .060 | | | 12-13 |
| 13 52 | 26.720 | | | 20 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 54 | 26.720 | | | 21 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 53 | 26.720 | | | 21 | 0 | 0 | C1 | 200 | | | | | | | | | | | | 0 | 6 | .020 | | | 15-16 |
| 16 50 | 26.730 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 54 | 26.740 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 55 | 26.750 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 18-19 |
| 19 51 | 26.765 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 56 | 26.780 | | | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.790 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 56 | 26.800 | | | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 54 | 26.800 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | | 0 | 0 | | 34 | 29 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 35 | 29 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 49 | 27 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 56 | 47 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 54 | 34 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 36 | 32 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0954 | 1553 | 2152 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.785 | 26.800 | 26.720 | 26.790 |
| BAROGRAPH 64 | 26.860 | 26.825 | 26.755 | 26.785 |
| BAR. CORR. 65 | -.015 | -.025 | -.035* | +.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 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 27 | 0 | 0 | 0 | 11 | N | 1217 | | | | | 3 | 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 0626 SUNSET 1633

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 CORRECT TO NEAREST MINUTE AT: 10558 / 1557 /

* BAROGRAPH ADJUSTED TO 0 CORR.

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

## SURFACE WEATHER OBSERVATIONS

DATE Nov. 21-1988

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 (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 236 | 33 | 19 | 00 | 00 | | 023 | 103 | NS |
| SA | 0153 | CLR | 20 | | | 240 | 31 | 19 | 00 | 00 | | 024 | | NS |
| SA | 0253 | CLR | 20 | | | 239 | 32 | 19 | 08 | 03 | | 024 | | NS |
| SA | 0352 | CLR | 20 | | | 244 | 30 | 19 | 10 | 03 | | 025 | 305 30 RADAT 61L034084 | RD |
| SA | 0451 | CLR | 20 | | | 246 | 30 | 19 | 03 | 04 | | 025 | | RD |
| SA | 0556 | CLR | 20 | | | 252 | 28 | 19 | 00 | 00 | | 024 | | RD |
| SA | 0653 | CLR | 20 | | | 257 | 30 | 20 | 11 | 06 | | 026 | 305 1001 | RD |
| SA | 0753 | 200 -SCT | 20 | | | 258 | 39 | 19 | 00 | 00 | | 027 | | RD |
| SA | 0851 | 200 -SCT | 20 | | | 260 | 44 | 18 | 00 | 00 | | 028 | | RD |
| SA | 0957 | 200 -SCT | 20 | | | 245 | 52 | 18 | 31 | 04 | | 026 | 802 1005 27 | RD |
| SA | 1055 | 200 -SCT | 20 | | | 246 | 56 | 17 | 29 | 06 | | 026 | | RD |
| SA | 1155 | 200 -SCT | 20 | | | 229 | 58 | 18 | 19 | 04 | | 022 | | RD |
| SA | 1253 | 200 - BKN | 20 | | | 225 | 59 | 18 | 21 | 09 | | 019 | 719 1008 | RD |
| SA | 1350 | 200 SCT | 20 | | | 215 | 59 | 18 | 18 | 19 | | 017 | | RD |
| SA | 1453 | 200 - BKN | 20 | | | 210 | 59 | 16 | 25 | 10 | | 016 | | RD |
| SA | 1553 | 220 - OVC | 20 | | | 213 | 58 | 16 | 23 | 11 | | 016 | 610 1007 60 RADAT 22101 | NS |
| SA | 1652 | 220-OVC | 20 | | | 216 | 52 | 17 | 26 | 05 | | 016 | | NS |
| SA | 1752 | 220- OVC | 20 | | | 228 | 47 | 19 | 36 | 06 | | 018 | | NS |
| SA | 1854 | 220-BKN | 20 | | | 225 | 44 | 20 | 06 | 04 | | 017 | 003 1008 | NS |
| SA | 1950 | E220 OVC | 20 | | | 219 | 44 | 21 | 11 | 07 | | 017 | | NS |
| SA | 2050 | E 200 OVC | 20 | | | 219 | 45 | 22 | 07 | 04 | | 018 | | NS |
| SA | 2154 | E 200 OVC | 20 | | | 218 | 46 | 24 | 07 | 04 | | 019 | 307 1007 60 | NS |
| SA | 2257 | 150 SCT E 200 OVC | 20 | | | 210 | 44 | 23 | 00 | 00 | | 017 | | NS |
| SA | 2350 | 200-OVC | 20 | | | 210 | 40 | 23 | 03 | 05 | | 017 | | NS |

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

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_p$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE Nov. 21 - 1988

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 | 26.800 | | | 56 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 53 | 26.810 | | | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 53 | 26.810 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.815 | | | 63 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 03-04 |
| 04 51 | 26.815 | | | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.810 | | | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.830 | | | 66 | 0 | 0 | Ci | 200 | | | | | | | | | | | | 0 | 3 | .015 | | | 06-07 |
| 07 53 | 26.840 | | | 45 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.845 | | | 35 | 2 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.825 | | | 26 | 3 | 3 | Ci | 200 | | | | | | | | | | | | 1 | 8 | .005 | | | 09-10 |
| 10 55 | 26.830 | | | 22 | 4 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 55 | 26.790 | | | 21 | 5 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 53 | 26.770 | | | 20 | 6 | 6 | Cs | 200 | | | | | | | | | | | | 2 | 7 | .055 | | | 12-13 |
| 13 50 | 26.750 | | | 20 | 3 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 53 | 26.740 | | | 19 | 7 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 53 | 26.740 | | | 19 | 10 | 10 | Cs | 220 | | | | | | | | | | | | 4 | 6 | .030 | | | 15-16 |
| 16 52 | 26.740 | | | 25 | 10 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 52 | 26.760 | | | 32 | 10 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 54 | 26.750 | | | 38 | 8 | 8 | Cs | 220 | | | | | | | | | | | | 3 | 0 | .010 | | | 18-19 |
| 19 50 | 26.750 | | | 40 | 10 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 50 | 26.760 | | | 40 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 54 | 26.770 | | | 42 | 10 | 10 | Cs | E200 | | | | | | | | | | | | 10 | 3 | .020 | | | 21-22 |
| 22 57 | 26.750 | | | 43 | 10 | | | | | | | | | | | | | | | 8 | | | | | 22-23 |
| 23 50 | 26.750 | | | 50 | 10 | | | | | | | | | | | | | | | 4 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 35 | 30 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 36 | 30 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 52 | 27 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 60 | 51 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 58 | 43 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0956 | 1553 | 2154 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.815 | 26.825 | 26.740 | 26.770 |
| BAROGRAPH 64 | 26.815 | 26.825 | 26.725 | 26.750 |
| BAR. CORR. 65 | ±0 | +0 | +.015 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 0400 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 27 | 0 | 0 | 0 | 19 | S | 1347 | | | | | 4 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0627 SUNSET 1632

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 CORRECT TO NEAREST MINUTE AT: 1035 / 1556 /

Changed Microbarograph @ 0956 LST

MF1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

## SURFACE WEATHER OBSERVATIONS

DATE Nov. 22-1988

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 | 0052 | E 200 OVC | 20 | | | 201 | 42 | 22 | 09 | 06 | | 015 | 714 1007 | |
| SA | 0150 | E 200 OVC | 20 | | | 201 | 42 | 22 | 07 | 05 | | 015 | | |
| SA | 0255 | 200-OVC | 20 | | | 197 | 42 | 22 | 05 | 07 | | 014 | | |
| SA | 0355 | 120 SCT 200-OVC | 20 | | | 195 | 44 | 20 | 12 | 09 | | 014 | 805 1057 39 RADAT 40111 | RD |
| SA | 0454 | 120 SCT 200-OVC | 20 | | | 204 | 39 | 22 | 07 | 06 | | 014 | | RD |
| SA | 0553 | 120 SCT E200 BKN | 20 | | | 197 | 42 | 21 | 11 | 07 | | 013 | | RD |
| SA | 0653 | 120 SCT E200 ~~BKN~~ OVC | 20 | | | 208 | 43 | 21 | 13 | 05 | | 015 | 305 1058 | RD |
| SA | 0750 | 140 SCT E200 ~~BKN~~ OVC | 20 | | | 207 | 46 | 20 | 11 | 07 | | 015 | | RD |
| SA | 0856 | E200 BKN | 20 | | | 210 | 50 | 19 | 18 | 03 | | 016 | | RD |
| SA | 0954 | E200 BKN | 20 | | | 204 | 53 | 19 | 00 | 00 | | 016 | 002 1008 39 | RD |
| SA | 1055 | 200 -BKN | 20 | | | 197 | 56 | 19 | 11 | 05 | | 014 | | RD |
| SA | 1156 | 200 -BKN | 20 | | | 187 | 58 | 19 | 11 | 09 | | 011 | | RD |
| SA | 1252 | 200 -BKN | 20 | | | 175 | 61 | 18 | 09 | 05 | | 008 | 722 1008 | RD |
| SA | 1352 | E200 BKN | 20 | | | 171 | 61 | 18 | 09 | 03 | | 007 | | RD |
| SA | 1455 | 160 SCT E200 BKN | 20 | | | 172 | 59 | 18 | 12 | 11 | | 007 | | RD |
| SA | 1554 | 80 SCT 140 SCT E200 BKN | 20 | | | 170 | 57 | 19 | 12 | 09 | | 006 | 607 1578 61 RADAT 53121 | |
| SA | 1650 | 80 SCT E 140 BKN 200 OVC | 20 | | | 177 | 56 | 18 | 12 | 11 | | 007 | | |
| SA | 1754 | E 140 BKN 200 OVC | 20 | | | 177 | 53 | 19 | 12 | 13 | | 007 | | |
| SA | 1850 | M 75 BKN 140 OVC | 20 | | | 178 | 53 | 19 | 13 | 10 | | 008 | 105 1571 | |
| SA | 1951 | 75 SCT E 140 BKN 200 OVC | 20 | | | 184 | 51 | 20 | 11 | 11 | | 009 | BINOVC | |
| SA | 2053 | 75 SCT E 140 OVC | 20 | | | 182 | 51 | 21 | 12 | 10 | | 009 | | |
| SA | 2153 | E 140 BKN 200 OVC | 20 | | | 180 | 50 | 21 | 05 | 05 | | 009 | 105 1078 61 | |
| SA | 2257 | 140 SCT E200 OVC | 20 | | | 174 | 48 | 22 | 10 | 05 | | 008 | | |
| SA | 2355 | 120 SCT E 180 OVC | 20 | | | 165 | 49 | 21 | 08 | 08 | | 006 | | |

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.

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE NOV. 22-1988

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 | 26.730 | | | 45 | 10 | 10 | CS | E200 | | | | | | | | | | | 8 | 7 | .040 | | | 00-01 |
| 01 | 50 | 26.730 | | | 45 | 10 | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 | 55 | 26.720 | | | 45 | 10 | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 | 53 | 26.715 | | | 38 | 10 | 1 | Ac | 120 | 10 | Cs | 200 | 10 | | | | | | | 3 | 8 | .015 | | | 03-04 |
| 04 | 54 | 26.720 | | | 51 | 10 | | | | | | | | | | | | | | 4 | | | | | 04-05 |
| 05 | 53 | 26.705 | | | 43 | 8 | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 | 53 | 26.730 | | | 42 | 10 | 3 | Ac | 120 | 7 | Cs | E200 | 10 | | | | | | | 8 | 3 | .015 | | | 06-07 |
| 07 | 50 | 26.730 | | | 36 | 10 | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 | 56 | 26.740 | | | 29 | 8 | | | | | | | | | | | | | | 5 | | | | | 08-09 |
| 09 | 54 | 26.735 | | | 26 | 8 | 8 | Cs | E200 | | | | | | | | | | | 5 | 0 | .005 | | | 09-10 |
| 10 | 55 | 26.720 | | | 24 | 7 | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 | 56 | 26.690 | | | 22 | 8 | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 | 52 | 26.670 | | | 19 | 8 | 8 | Cs | 200 | | | | | | | | | | | 3 | 7 | .065 | | | 12-13 |
| 13 | 52 | 26.660 | | | 19 | 8 | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 | 55 | 26.655 | | | 20 | 8 | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 | 54 | 26.650 | | | 23 | 9 | 1 | Sc | 80 | 2 | Ac | 140 | 3 | 6 | Cs | E200 | 9 | | | 7 | 6 | .020 | | | 15-16 |
| 16 | 50 | 26.660 | | | 22 | 10 | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 | 54 | 26.660 | | | 26 | 10 | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 | 50 | 26.665 | | | 26 | 10 | 7 | Sc | M75 | 3 | Ac | 140 | 10 | | | | | | | 10 | 1 | .015 | | | 18-19 |
| 19 | 51 | 26.680 | | | 29 | 10 | | | | | | | | | | | | | | 9 | | | | | 19-20 |
| 20 | 53 | 26.680 | | | 31 | 10 | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 | 53 | 26.680 | | | 32 | 10 | 7 | Ac | E140 | 3 | Cs | 200 | 10 | | | | | | | 10 | 1 | .015 | | | 21-22 |
| 22 | 57 | 26.665 | | | 36 | 10 | | | | | | | | | | | | | | 9 | | | | | 22-23 |
| 23 | 55 | 26.645 | | | 33 | 10 | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0349 | X | 0 | 0 | X | 44 | 39 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 53 | 39 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 61 | 53 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 57 | 47 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 50 | 45 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0953 | 1554 | 2153 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.715 | 26.735 | 26.650 | 26.680 |
| BAROGRAPH 64 | 26.715 | 26.725 | 26.640 | 26.655 |
| BAR. CORR. 65 | ±0 | +.010 | +.010 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | 0400 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 | 39 | 0 | 0 | 0 | 15 | SE | 1754 | | | | | 8 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0628 SUNSET 1632

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 CORRECT TO NEAREST MINUTE AT: 0603 / 1558 /

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: NOV. 23-1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | 120 SCT E180 OVC | 20 | | | 158 | 48 | 21 | 05 | 03 | | 004 | 717 107/ | NS |
| SA | 0154 | 80 SCT 120 SCT E 180 OVC | 20 | | | 160 | 43 | 25 | 03 | 05 | | 004 | | NS |
| SA | 0250 | 120 SCT 180 SCT 250-OVC | 20 | | | 153 | 42 | 24 | 10 | 03 | | 002 | | NS |
| SA | 0355 | 120 SCT 200-BKN | 20 | | | 150 | 39 | 24 | 09 | 03 | | 000 | 814 1078 39 RADAT | JP |
| | | | | | | | | | | | | | 32128 | |
| SA | 0454 | 200-SCT | 20 | | | 146 | 42 | 22 | 00 | 00 | | 999 | FEW AC | JP |
| SA | 0552 | 200-SCT | 20 | | | 147 | 41 | 22 | 32 | 06 | | 999 | FEW AC | JP |
| SA | 0651 | 200-BKN | 20 | | | 142 | 41 | 22 | 14 | 05 | | 997 | FEW AC / 707 1078 | JP |
| SA | 0753 | 200-BKN | 20 | | | 139 | 44 | 24 | 06 | 05 | | 996 | FEW AC | JP |
| SA | 0853 | 200-BKN | 20 | | | 131 | 53 | 22 | 12 | 06 | | 995 | ACSL SE/ | JP |
| SA | 0954 | 200-SCT | 20 | | | 171 | 57 | 24 | 03 | 07 | | 993 | ACSL SE / 814 1048 37 | JP |
| RS SA | 1053 | 200-SCT | 20 | | | 092 | 63 | 23 | 21 | 27 | G39 | 985 | ACSL SE *PRESFR | JP |
| | | | | | | | | | | | | | *PK WND 2139/52 WSHFT 38 | |
| SA | 1154 | 200-BKN | 20 | | | 069 | 65 | 31 | 21 | 30 | G41 | 979 | ACSL N AND SE PRESFR | JP |
| | | | | | | | | | | | | | PK WND ~~45~~ 2143/40 | |
| SA | 1253 | 130 SCT 200-BKN | 20 | | | 058 | 64 | 33 | 20 | 30 | G45 | 975 | ACSL N ~~AC WND~~ | JP |
| | | | | | | | PK WND 2051/05 ~~2051 20 45/~~ | | | | | | ~~/~~ CCL ~~20~~ 40 639 1048 | |
| SA | 1355 | 130 SCT 200-BKN | 20 | | | 056 | 65 | 30 | 20 | 31 | G45 | 974 | ACSL N PK WND 2049/ | JP |
| | | | | | | | | | | | | | 2059 | |
| SA | 1450 | 80 SCT 130 SCT 200-BKN | 20 | | | 049 | 64 | 26 | 19 | 30 | G43 | 972 | ACSL E PK WND 2045/18 | JP |
| SA | 1558 | M50 BKN 130 BKN 200 BKN | 20 | | | 050 | 64 | 27 | 20 | 26 | G39 | 972 | ACSL E PK WND | DC |
| | | | | | | | | | | | | | 2249/2252 / CIG 1248 | |
| | | | | | | | | | | | | | 67 RADAT 79101 | |
| SA | 1657 | M50 BKN 130 BKN 200 BKN | 20 | | | 055 | 62 | 34 | 21 | 24 | G33 | 973 | ACSL E-SW PK WND | DC |
| | | | | | | | | | | | | | 2137/27 | |
| SA | 1751 | 250-SCT | 20 | | | 061 | 60 | 34 | 20 | 25 | G38 | 975 | FEW CU OMTNS PK | DC |
| | | | | | | | | | | | | | WND 2038/49 | |
| SA | 1858 | 250-SCT | 20 | | | 065 | 58 | 33 | 21 | 29 | G39 | 975 | ACSL W PK WND | DC |
| | | | | | | | | | | | | | 2145/33 / 210 1248 | |
| SA | 1957 | 250 SCT | 20 | | | 066 | 57 | 32 | 21 | 26 | G36 | 976 | CU SE OCNL LTG | DC |
| | | | | | | | | | | | | | DSNT NE PK WND | |
| | | | | | | | | | | | | | 2137/06 | |
| SA | 2050 | E150 BKN | 20 | | | 070 | 55 | 28 | 21 | 24 | G33 | 978 | PK WND 2140/10 | DC |
| SA | 2158 | 150 SCT | 20 | | | 089 | 53 | 30 | 23 | 16 | G26 | 984 | 327 1030 67 | DC |
| SA | 2257 | 150 SCT 250 SCT | 20 | | | 092 | 52 | 27 | 25 | 15 | | 986 | ACSL E | DC |
| RS | 2356 | E140 BKN | 20 | | | 105 | 48 | 26 | 31 | 10 | | 989 | WSHFT 35 FROPA | DC |

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

FM12-VII: IIiii iqi kVV Nddff 1s TTT 2s TdTdTd 3P P P P 4PPPP 5appp 6RRR 7wwW1W2 8N h C L C M C H plus regional and national data groups

NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE NOV. 23-1988

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 55 | 26.630 | | | 34 | 10 | 2 | AC | 120 | 10 | AS | E180 | 10 | | | | | | | | 10 | 7 | .050 | | | 00-01 |
| 01 54 | 26.625 | | | 49 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.605 | | | 49 | 10 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 55 | 26.590 | | | 55 | 8 | 1 | AC | 120 | 7 | CS | 200 | 8 | | | | | | | | 3 | 8 | 040 | | | 03-04 |
| 04 54 | 26.580 | | | 45 | 4 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 52 | 26.580 | | | 46 | 3 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 51 | 26.570 | | | 46 | 8 | 0 | AC | 120 | 8 | CS | 200 | 8 | | | | | | | | 2 | 7 | 020 | | | 06-07 |
| 07 53 | 26.560 | | | 45 | 7 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 53 | 26.550 | | | 30 | 7 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 54 | 26.530 | | | 28 | 3 | 0 | ACSL | 120 | 3 | CS | 200 | 3 | | | | | | | | 1 | 8 | 040 | | | 09-10 |
| 10 53 | 26.460 | | | 22 | 3 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 54 | 26.400 | | | 28 | 8 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 53 | 26.370 | | | 31 | 8 | 1 | ACSL | 130 | 7 | CS | 200 | 8 | | | | | | | | 3 | 6 | 160 | | | 12-13 |
| 13 55 | 26.360 | | | 27 | 8 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.340 | | | 24 | 7 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 58 | 26.340 | | | 25 | 9 | 6 | Cu | M50 | 1 | ACSL | 130 | 7 | 2 | CS | 200 | 9 | | | | 7 | 6 | .030 | | | 15-16 |
| 16 57 | 26.350 | | | 35 | 8 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 51 | 26.365 | | | 38 | 5 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 58 | 26.370 | | | 39 | 5 | 0 | Cu | 50 | 0 | ACSL | 130 | 0 | 5 | CS | 250 | 5 | | | | 2 | 2 | .030 | | | 18-19 |
| 19 57 | 26.380 | | | 39 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 50 | 26.395 | | | 35 | 8 | | | | | | | | | | | | | | | 8 | | | | | 20-21 |
| 21 58 | 26.450 | | | 41 | 5 | 5 | AC | 150 | | | | | | | | | | | | 5 | 3 | .080 | | | 21-22 |
| 22 57 | 26.465 | | | 38 | 3 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 56 | 26.495 | | | 42 | 6 | | | | | | | | | | | | | | | 6 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0353 | X | 0 | 0 | X | 49 | 39 | X | X | | | | | | X | | |
| | 0353 | 1 | 0 | 0 | 0 | 50 | 39 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 57 | 37 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 67 | 57 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 64 | 53 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 53 | 48 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0355 | 0954 | 1554 | 2154 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.590 | 26.530 | 26.340 | 26.450 |
| BAROGRAPH 64 | 26.590 | 26.500 | 26.310 | 26.410 |
| BAR. CORR. 65 | +020 | +030 | +.030 | +.040 |

## 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 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | 37 | 0 | 0 | 0 | 51 | S | 1205 | | | | | 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 0629 SUNSET 1631

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 CORRECT TO NEAREST MINUTE AT: 10539P / 1600 P /

0954 COL 13 ACSL SE ERRONEOUSLY ENTERED ON 0853 OBS —

1253 COL 13 S/B 2051/05 COR SENT 21402

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

## SURFACE WEATHER OBSERVATIONS

DATE Nov. 24, 1988

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 | 0057 | E200 BKN | 20 | | | 111 | 45 | 24 | 03 | 16 | | 991 | 220 1006 | DC |
| SA | 0156 | 150 SCT E200 OVC | 20 | | | 115 | 45 | 18 | 05 | 12 | | 992 | | DC |
| SA | 0256 | E140 OVC | 20 | | | 115 | 44 | 20 | 05 | 11 | | 992 | | DC |
| SA | 0354 | E130 OVC | 20 | | | 113 | 43 | 20 | 08 | 10 | | 991 | 000 107/ 43 RADAT 24067 | JP |
| SA | 0453 | E130 OVC | 20 | | | 119 | 42 | 18 | 07 | 07 | | 992 | | JP |
| SA | 0556 | E120 OVC | 20 | | | 123 | 43 | 16 | 11 | 09 | | 993 | | JP |
| SA | 0655 | E100 OVC | 20 | | | 128 | 44 | 15 | 08 | 09 | | 994 | 210 107/ | JP |
| SA | 0758 | E90 OVC | 20 | | | 132 | 45 | 18 | 07 | 07 | | 995 | | JP |
| SA | 0854 | E90 OVC | 20 | | | 136 | 46 | 16 | 05 | 06 | | 996 | | JP |
| SA | 0953 | E90 OVC | 20 | | | 136 | 46 | 15 | 03 | 10 | | 996 | 107 107/ 41 | JP |
| SA | 1055 | E90 OVC | 20 | | | 133 | 47 | 14 | 02 | 10 | | 995 | | JP |
| SA | 1153 | E90 OVC | 20 | | | 123 | 49 | 14 | 04 | 10 | | 992 | | JP |
| SA | 1253 | E90 OVC | 20 | | | 116 | 49 | 14 | 36 | 12 | | 990 | 820 107/ | JP |
| SA | 1354 | E100 BKN | 20 | | | 105 | 50 | 14 | 08 | 08 | | 986 | | JP |
| SA | 1450 | 100 SCT E140 BKN | 20 | | | 102 | 49 | 13 | 03 | 08 | | 985 | ACSL NE | JP |
| SA | 1557 | 100 SCT 140 SCT | 20 | | | 099 | 50 | 13 | 00 | 00 | | 984 | FEW ACSL / 617 | DC |
| | | | | | | | | | | | | | 1040 51 RADAT 32064 | |
| SA | 1655 | CLR | 20 | | | 101 | 46 | 12 | 00 | 00 | | 984 | FEW AC CI | DC |
| SA | 1757 | CLR | 20 | | | 111 | 39 | 14 | 05 | 06 | | 986 | | DC |
| SA | 1855 | CLR | 20 | | | 106 | 40 | 15 | 06 | 07 | | 985 | 002 | DC |
| SA | 1956 | CLR | 20 | | | 106 | 36 | 15 | 09 | 03 | | 985 | | DC |
| SA | 2058 | CLR | 20 | | | 105 | 35 | 15 | 08 | 05 | | 984 | | DC |
| SA | 2158 | E200 BKN | 20 | | | 111 | 35 | 15 | 03 | 03 | | 986 | 303 1006 53 | DC |
| SA | 2257 | E200 OVC | 20 | | | 107 | 35 | 15 | 09 | 04 | | 985 | | DC |
| SA | 2355 | E150 OVC | 20 | | | 099 | 36 | 16 | 09 | 03 | | 983 | | DC |

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

FM12-VII [illegible] 1 TTT 2 T T T 3 P P P P 4PPPP 5 [illegible] 6RRR [illegible] 7wwW W 8N C C C plus regional [illegible]

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE Nov. 24, 1988

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 57 | 26.510 | | | 43 | 7 | 7 | CS | E200 | | | | | | | | | | | | 5 | 2 | .060 | | | 00-01 |
| 01 56 | 26.520 | | | 34 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 56 | 26.515 | | | 38 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 54 | 26.510 | | | 40 | 10 | 10 | Ac | E130 | | | | | | | | | | | | 10 | 0 | 000 | | | 03-04 |
| 04 53 | 26.520 | | | 38 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 56 | 26.530 | | | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 55 | 26.540 | | | 31 | 10 | 10 | Ac | E100 | | | | | | | | | | | | 10 | 2 | 030 | | | 06-07 |
| 07 58 | 26.550 | | | 34 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 54 | 26.560 | | | 30 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 53 | 26.560 | | | 28 | 10 | 10 | Ac | E90 | | | | | | | | | | | | 10 | 1 | 020 | | | 09-10 |
| 10 55 | 26.550 | | | 26 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 53 | 26.530 | | | 24 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 53 | 26.500 | | | 24 | 10 | 10 | Ac | E90 | | | | | | | | | | | | 10 | 8 | ? 060 | | | 12-13 |
| 13 54 | 26.470 | | | 23 | 9 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 50 | 26.460 | | | 23 | 7 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 57 | 26.450 | | | 22 | 3 | 1 | ACSL | 100 | 2 | AC | 140 | 3 | | | | | | | | 3 | 6 | .050 | | | 15-16 |
| 16 55 | 26.450 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 57 | 26.465 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 55 | 26.455 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 0 | .005 | | | 18-19 |
| 19 56 | 26.455 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 58 | 26.450 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 58 | 26.465 | | | 44 | 9 | 9 | CS | E200 | | | | | | | | | | | | 6 | 3 | .010 | | | 21-22 |
| 22 57 | 26.455 | | | 44 | 10 | | | | | | | | | | | | | | | 8 | | | | | 22-23 |
| 23 55 | 26.435 | | | 44 | 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 0352 | X | 0 | 0 | X | 48 | 43 | X | X | | | | | | X | | |
| | 0352 | 1 | 0 | 0 | 0 | 53 | 43 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 46 | 41 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 51 | 46 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 50 | 33 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 36 | 33 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0953 | 1554 | 2154 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.510 | 26.520 | 26.450 | 26.465 |
| BAROGRAPH 64 | 26.480 | 26.540 | 26.430 | 26.445 |
| BAR. CORR. 65 | +030 | +020 | +.020 | +.020 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMELTED (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | 33 | 0 | 0 | 0 | 19 | NE | 0140* | | | | | 9 | 7 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0630 SUNSET 1631

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 CORRECT TO NEAREST MINUTE AT: 1043 P/ 1700 P/

* LAST OF SEVERAL OCCURRENCES

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: NOV. 25, 1988

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 | 0056 | E140 OVC | 20 | | | 095 | 37 | 16 | 14 | 04 | | 982 | 612 101/ | DC |
| SA | 0157 | E70 BKN 200 OVC | 20 | | | 085 | 39 | 15 | 08 | 03 | | 980 | | DC |
| SA | 0256 | M60 OVC | 20 | | | 079 | 39 | 16 | 32 | 05 | | 977 | | DC |
| SA | 0355 | M50 OVC | 20 | | | 065 | 42 | 20 | 18 | 12 | | 974 | 824 102/ 33 | JP |
| | | | | | | | | | | | | | RADAT 44055 | |
| SA | 0454 | 32SCT M45 OVC | 20 | | | 067 | 41 | 21 | 00 | 00 | | 974 | | JP |
| SA | 0555 | 31SCT M41 OVC | 20 | | | 079 | 41 | 17 | 14 | 04 | | 976 | | JP |
| SA | 0658 | 15SCT M38 OVC | 20 | | R- | 081 | 38 | 30 | 04 | 06 | | 976 | RB08/10700 15// | JP |
| SA | 0754 | M33 OVC | 20 | | | 086 | 39 | 28 | 13 | 03 | | 977 | FEW STRA 15 HND W RE03 | JP |
| SP | 0854 | 15SCT M29 OVC | 20 | | | | | | 00 | 00 | | 977 | RWU S | JP |
| SA | 0856 | 15SCT M28 OVC | 20 | | | 090 | 40 | 29 | 13 | 11 | | 979 | RWU S | JP |
| SA | 0953 | 15SCT M28 OVC | 15 | | RW-SW- | 094 | 40 | 32 | 00 | 00 | | 980 | BINOVC SE RB105825/ | JP |
| | | | | | | | | | | | | | 21000 15// 33 | |
| SA | 1053 | 13SCT M23 OVC | 20 | | | 088 | 39 | 32 | 30 | 05 | | 977 | RWU SWU AL40S | JP |
| | | | | | | | | | | | | | RSE07 | |
| SA | 1155 | M24 OVC | 20 | | | 077 | 41 | 32 | 31 | 04 | | 975 | | JP |
| SA | 1254 | M26 OVC | 20 | | | 072 | 42 | 32 | 29 | 06 | | 974 | 61700 15// | JP |
| SA | 1353 | 17SCT M28 OVC | 20 | | | 062 | 44 | 32 | 32 | 03 | | 972 | | JP |
| SA | 1450 | 18SCT M28 BKN 100 BKN | 20 | | | 070 | 44 | 32 | 22 | 04 | | 974 | | JP |
| RS | 1558 | 25SCT E200 BKN | 20 | | | 074 | 43 | 32 | 22 | 09 | | 975 | 30300 1508 46 | DC |
| | | | | | | | | | | | | | RADAT 89L 053066070 | |
| SA | 1651 | 25SCT 200-BKN | 20 | | | 079 | 40 | 33 | 21 | 04 | | 976 | | DC |
| SA | 1755 | 200-SCT | 20 | | | 086 | 38 | 33 | 00 | 00 | | 978 | FEW SC | DC |
| SA | 1858 | E150 BKN | 20 | | | 094 | 35 | 32 | 10 | 03 | | 980 | 212 1050 | DC |
| SA | 1956 | E150 BKN | 20 | | | 099 | 34 | 32 | 09 | 06 | | 981 | | DC |
| SA | 2057 | 150 SCT | 20 | | | 106 | 32 | 31 | 05 | 03 | | 983 | | DC |
| SA | 2158 | 150 SCT 250-SCT | 20 | | | 111 | 31 | 31 | 13 | 03 | | 984 | 215 1031 46 | DC |
| SA | 2256 | CLR | 20 | | | 115 | 31 | 30 | 00 | 00 | | 985 | | DC |
| SA | 2357 | CLR | 20 | | | 116 | 29 | 29 | 00 | 00 | | 985 | CI S | DC |

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

FM12-VII [illegible] YY N [illegible] 1 TTT 2 T'T'T' 3P P P P 4PPPP 5appp 6RRRt 7wwW'W' 8N C CuCu plus regional and national data [illegible]

(4-80)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE NOV. 25, 1988

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 | 26.430 | | | 42 | 10 | 10 | AS | E140 | | | | | | | | | | | | 10 | 6 | .035 | | | 00-01 |
| 01 57 | 26.410 | | | 37 | 10 | | | | | | | | | | | | | | | 9 | | | | | 01-02 |
| 02 56 | 26.390 | | | 39 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 55 | 26.360 | | | 41 | 10 | 10 | NS | M50 | | | | | | | | | | | | 10 | 8 | 070 | | | 03-04 |
| 04 54 | 26.360 | | | 45 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 55 | 26.380 | | | 37 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 58 | 26.380 | | | 73 | 10 | 1 | STFRA | 15 | 10 | SC | M38 | 10 | | | | | | | | 10 | 1 | 070 | | | 06-07 |
| 07 54 | 26.390 | | | 67 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 56 | 26.400 | | | 65 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 53 | 26.410 | | | 73 | 10 | 1 | STFRA | 15 | 10 | SC | M28 | 10 | | | | | | | | 10 | 2 | 030 | | | 09-10 |
| 10 53 | 26.390 | | | 76 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 55 | 26.370 | | | 70 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 54 | 26.360 | | | 68 | 10 | 10 | SC | M26 | | | | | | | | | | | | 10 | 6 | 050 | | | 12-13 |
| 13 53 | 26.340 | | | 62 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.360 | | | 62 | 9 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 58 | 26.370 | | | 65 | 6 | 5 | SC | 25 | 1 | CS | E200 | 6 | | | | | | | | 5 | 3 | .010 | | | 15-16 |
| 16 51 | 26.380 | | | 76 | 9 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 55 | 26.395 | | | 82 | 4 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 58 | 26.405 | | | 89 | 7 | 7 | AC | E150 | | | | | | | | | | | | 6 | 2 | .035 | | | 18-19 |
| 19 56 | 26.420 | | | 92 | 7 | | | | | | | | | | | | | | | 6 | | | | | 19-20 |
| 20 57 | 26.435 | | | 96 | 5 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 58 | 26.450 | | | 100 | 3 | 1 | AC | 150 | 2 | CI | 250 | 3 | | | | | | | | 1 | 2 | .045 | | | 21-22 |
| 22 56 | 26.455 | | | 96 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 57 | 26.460 | | | 100 | 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 0353 | X | 0 | 0 | X | 42 | 36 | X | X | | | | | | X | | |
| | 0353 | 1 | 0 | 0 | 0 | 42 | 33 | | 0 | | | | | | | | |
| | 0953 | 2 | T | T | 0 | 42 | 38 | | 1 | | | | | | | | |
| | 1550 | 3 | T | T | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 43 | 31 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 32 | 29 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0953 | 1554 | 2154 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.360 | 26.410 | 26.370 | 26.450 |
| BAROGRAPH 64 | 26.335 | 26.375 | 26.380 | 26.470 |
| BAR. CORR. 65 | +025 | +035* | -.010 | -.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 29 | T | T | 0 | 19 | SW | 0330 | | | | | 10 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 0608 | 0703 | | | |
| RW- | 0910 | 1007 | | | |
| SW- | 0925 | 1007 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0631 SUNSET 1630

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 CORRECT TO NEAREST MINUTE AT: 1063 8P / 1700P /

T – MELTED AS IT FELL –

*BAROGRAPH CHANGED & RESET –

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: NOV. 26, 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 115 | 29 | 29 | 11 | 03 | | 985 | 103 1001 | DC |
| SA | 0156 | CLR | 20 | | | 124 | 28 | 28 | 00 | 00 | | 987 | CI S | DC |
| SA | 0256 | CLR | 20 | | | 127 | 28 | 28 | 00 | 00 | | 988 | CI S | DC |
| SA | 0358 | CLR | 20 | | | 130 | 29 | 28 | 00 | 00 | | 990 | 114 28 RADAT 73L034061 | JP |
| SA | 0456 | CLR | 20 | | | 141 | 28 | 27 | 06 | 05 | | 992 | | JP |
| SA | 0555 | CLR | 20 | | | 149 | 29 | 28 | 03 | 04 | | 994 | | JP |
| SA | 0653 | CLR | 20 | | | 160 | 28 | 26 | 20 | 03 | | 996 | 220 | JP |
| SA | 0753 | CLR | 20 | | | 164 | 35 | 31 | 02 | 03 | | 999 | FEW CI S | JP |
| SA | 0850 | CLR | 20 | | | 165 | 41 | 32 | 21 | 04 | | 000 | FEW CI S | JP |
| SA | 0954 | CLR | 20 | | | 166 | 47 | 26 | 25 | 06 | | 001 | FEW CI / 114 1001 27 | JP |
| SA | 1057 | CLR | 20 | | | 162 | 52 | 23 | 36 | 03 | | 001 | FEW CI | JP |
| SA | 1154 | CLR | 20 | | | 162 | 53 | 19 | 03 | 10 | | 001 | FEW CI | JP |
| SA | 1257 | 250 - SCT | 20 | | | 154 | 55 | 18 | 04 | 08 | | 999 | 807 1001 | JP |
| SA | 1354 | 250 - SCT | 20 | | | 158 | 55 | 15 | 33 | 08 | | 000 | | JP |
| SA | 1450 | CLR | 20 | | | 158 | 55 | 14 | 34 | 17 | | 000 | FEW CI SE | JP |
| SA | 1555 | CLR | 20 | | | 166 | 53 | 14 | 01 | 12 | | 002 | 210 55 RADAT 28074 | DC |
| SA | 1655 | CLR | 20 | | | 174 | 49 | 15 | 04 | 10 | | 003 | | DC |
| SA | 1756 | CLR | 20 | | | 186 | 45 | 15 | 04 | 08 | | 006 | | DC |
| SA | 1854 | CLR | 20 | | | 194 | 47 | 14 | 07 | 11 | | 008 | 220 | DC |
| SA | 1957 | CLR | 20 | | | 208 | 42 | 14 | 07 | 09 | | 013 | | DC |
| SA | 2057 | CLR | 20 | | | 212 | 41 | 15 | 06 | 07 | | 015 | | DC |
| SA | 2157 | CLR | 20 | | | 220 | 39 | 15 | 08 | 09 | | 018 | 229 55 | DC |
| SA | 2255 | CLR | 20 | | | 225 | 40 | 15 | 05 | 10 | | 020 | | DC |
| SA | 2358 | CLR | 20 | | | 226 | 41 | 19 | 04 | 11 | | 022 | | DC |

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

FM12-VII: IIiii iRiXhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

FORM (4-86)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: WSMO, DESERT ROCK NEVADA

DATE: NOV. 26, 1988

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 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.460 | | | 100 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 56 | 26.480 | | | 100 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 56 | 26.490 | | | 100 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.500 | | | 96 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 03-04 |
| 04 56 | 26.520 | | | 96 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.540 | | | 96 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.560 | | | 92 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 06-07 |
| 07 53 | 26.580 | | | 85 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.590 | | | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.600 | | | 44 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 1 | .040 | | | 09-10 |
| 10 57 | 26.600 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 54 | 26.600 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 57 | 26.580 | | | 23 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 8 | .020 | | | 12-13 |
| 13 54 | 26.590 | | | 20 | 1 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.590 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 55 | 26.610 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 15-16 |
| 16 55 | 26.620 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 56 | 26.650 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 54 | 26.670 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 18-19 |
| 19 57 | 26.710 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 57 | 26.730 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 57 | 26.755 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | 2 | .085 | | | 21-22 |
| 22 55 | 26.780 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 58 | 26.790 | | | 41 | 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 0356 | | 0 | 0 | | 30 | 28 | | | | | | | | | | |
| | 0356 | 1 | 0 | 0 | 0 | 32 | 28 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 47 | 27 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 55 | 47 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 53 | 37 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 42 | 37 | | | | | | | | | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0358 | 0954 | 1552 | 2153 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.500 | 26.600 | 26.610 | 26.755 |
| BAROGRAPH 64 | 26.520 | 26.625 | 26.630 | 26.780 |
| BAR. CORR. 65 | -.020 | -.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 27 | 0 | 0 | 0 | 21 | N | 1453* | | | | | 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 0632 SUNSET 1630

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 CORRECT TO NEAREST MINUTE AT: 1071 8P / 1600P /

* LAST OF SEVERAL OCCURRENCES

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: NOV. 27, 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 229 | 41 | 19 | 06 | 11 | | 023 | 114 | DC |
| SA | 0155 | CLR | 20 | | | 232 | 38 | 19 | 05 | 15 | | 023 | | DC |
| SA | 0256 | CLR | 20 | | | 236 | 40 | 18 | 03 | 12 | | 025 | | DC |
| SA | 0350 | CLR | 20 | | | 239 | 39 | 18 | 04 | 11 | | 025 | 107 37 RADAT 34M086098/04 | DC |
| SA | 0455 | CLR | 20 | | | 247 | 37 | 17 | 13 | 04 | | 026 | | DC |
| SA | 0555 | CLR | 20 | | | 254 | 36 | 19 | 36 | 06 | | 027 | | DC |
| SA | 0650 | CLR | 20 | | | 261 | 36 | 20 | 09 | 09 | | 029 | 215 | DC |
| SA | 0755 | CLR | 20 | | | 274 | 42 | 20 | 05 | 14 | | 034 | | DC |
| SA | 0850 | CLR | 20 | | | 284 | 43 | 20 | 03 | 15 | | 036 | | DC |
| SA | 0955 | CLR | 20 | | | 282 | 47 | 19 | 04 | 14 | | 036 | 120 35 | DC |
| SA | 1055 | CLR | 20 | | | 275 | 51 | 19 | 06 | 08 | | 035 | | DC |
| SA | 1150 | CLR | 20 | | | 262 | 54 | 18 | 11 | 10 | | 032 | | DC |
| SA | 1250 | CLR | 20 | | | 256 | 56 | 11 | 12 | 12 | | 030 | 717 | DC |
| SA | 1350 | CLR | 20 | | | 250 | 57 | 11 | 11 | 13 | | 028 | | DC |
| SA | 1450 | CLR | 20 | | | 246 | 56 | 12 | 13 | 15 | | 027 | | DC |
| SA | 1553 | CLR | 20 | | | 250 | 55 | 11 | 12 | 11 | | 028 | 507 1001 57 RADAT 24120 | MS |
| SA | 1652 | CLR | 20 | | | 255 | 50 | 9 | 12 | 08 | | 028 | | MS |
| SA | 1755 | CLR | 20 | | | 262 | 45 | 12 | 12 | 11 | | 029 | | MS |
| SA | 1850 | CLR | 20 | | | 273 | 41 | 9 | 03 | 05 | | 032 | 310 | MS |
| SA | 1953 | CLR | 20 | | | 273 | 36 | 10 | 05 | 06 | | 032 | | MS |
| SA | 2058 | CLR | 20 | | | 270 | 37 | 11 | 05 | 03 | | 032 | | MS |
| SA | 2155 | CLR | 20 | | | 268 | 37 | 12 | 03 | 05 | | 032 | 400 57 | MS |
| SA | 2255 | CLR | 20 | | | 266 | 37 | 12 | 08 | 04 | | 032 | | MS |
| SA | 2352 | 250 - SCT | 20 | | | 258 | 35 | 15 | 02 | 03 | | 029 | | MS |

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

FM12 VII: IIiii iRix NVV Nhhh ddff 2sTTT 3sTTT 3PPPP 4PPPP 5appp 6RRRtR 7wwW1W2 8NCCCLCMCH plus regional and national data groups.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE Nov. 27, 1988

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 | 26.795 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 00-01 |
| 01 55 | 26.800 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 56 | 26.815 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.815 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 55 | 26.830 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.840 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.860 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | 2 | .045 | | | 06-07 |
| 07 55 | 26.885 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.920 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 55 | 26.920 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | 1 | .060 | | | 09-10 |
| 10 55 | 26.910 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.880 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.870 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 7 | .050 | | | 12-13 |
| 13 50 | 26.850 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.840 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.850 | | | 17 | 0 | 0 | 01 | 250 | | | | | | | | | | | | 0 | 5 | .020 | | | 15-16 |
| 16 52 | 26.850 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.860 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.880 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 18-19 |
| 19 53 | 26.880 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 58 | 26.880 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 55 | 26.880 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 21-22 |
| 22 55 | 26.880 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.860 | | | 44 | 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 0349 | X | 0 | 0 | X | 42 | 37 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 42 | 37 | | 0 | | | | | | | | |
| | 0954 | 2 | 0 | 0 | 0 | 47 | 35 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 57 | 47 | | 0 | | | | | | | | |
| | 2151 | 4 | 0 | 0 | 0 | 55 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 38 | 33 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0954 | 1553 | 2155 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.815 | 26.920 | 26.850 | 26.880 |
| BAROGRAPH 64 | 26.820 | 26.950 | 26.880 | 26.905 |
| BAR. CORR. 65 | -.005 | -.030 | -.030 | -.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 | 0400 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 33 | 0 | 0 | 0 | 19 | NE | 0938 | | | | | 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 0633 SUNSET 1630

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 CORRECT TO NEAREST MINUTE AT: 1065HP / 1600 /

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: NOV. 28-1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (13) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 250 - SCT | 20 | | | 250 | 33 | 15 | 10 | 03 | | 027 | 814 1001 | |
| SA | 0155 | 250 - SCT | 20 | | | 245 | 34 | 15 | 36 | 06 | | 026 | | |
| SA | 0253 | E160 BKN 250 BKN | 20 | | | 238 | 34 | 17 | 13 | 04 | | 024 | | |
| SA | 0358 | 250 - BKN | 20 | | | 230 | 34 | 17 | 14 | 04 | | 022 | 817 1001 32 RADAT 20126 | |
| SA | 0450 | 250 - BKN | 20 | | | 230 | 34 | 17 | 34 | 03 | | 020 | | |
| SA | 0555 | 250 - BKN | 20 | | | 235 | 32 | 18 | 32 | 04 | | 020 | | |
| SA | 0655 | 150 SCT 250 - BKN | 20 | | | 237 | 33 | 18 | 10 | 03 | | 020 | 603 1061 | |
| SA | 0758 | 150 SCT 250 - BKN | 20 | | | 238 | 35 | 20 | 14 | 05 | | 020 | | |
| SA | 0855 | 180 SCT 250 - BKN | 20 | | | 235 | 40 | 18 | 27 | 03 | | 020 | | |
| SA | 0955 | 180 SCT 250 - BKN | 20 | | | 241 | 42 | 19 | 16 | 07 | | 023 | 307 1061 31 | |
| SA | 1052 | 180 SCT 250 - BKN | 20 | | | 228 | 51 | 18 | 35 | 05 | | 020 | | |
| SA | 1158 | 180 SCT 250 - BKN | 20 | | | 218 | 56 | 17 | 26 | 05 | | 018 | | |
| SA | 1250 | 250 - BKN | 20 | | | 215 | 57 | 17 | 19 | 05 | | 017 | 617 1001 | |
| SA | 1355 | 250 - BKN | 20 | | | 205 | 59 | 18 | 30 | 03 | | 015 | | |
| SA | 1455 | 280 - BKN | 20 | | | 200 | 62 | 18 | 34 | 03 | | 014 | | |
| SA | 1557 | CLR | 20 | | | 208 | 60 | 18 | 00 | 00 | | 016 | 503 1001 62 RADAT 35093 | |
| SA | 1658 | CLR | 20 | | | 222 | 51 | 18 | 03 | 11 | | 018 | | |
| SA | 1750 | CLR | 20 | | | 228 | 55 | 16 | 03 | 13 | G17 | 020 | | |
| SA | 1852 | CLR | 20 | | | 248 | 53 | 29 | 05 | 11 | | 026 | 330 1001 | |
| SA | 1954 | CLR | 20 | | | 265 | 49 | 23 | 06 | 11 | | 030 | | |
| SA | 2052 | CLR | 20 | | | 270 | 48 | 22 | 05 | 11 | | 033 | | |
| SA | 2152 | CLR | 20 | | | 279 | 44 | 20 | 05 | 10 | | 035 | 127 62 | |
| SA | 2250 | CLR | 20 | | | 276 | 45 | 20 | 05 | 13 | | 036 | | |
| SA | 2350 | CLR | 20 | | | 275 | 42 | 19 | 05 | 13 | | 036 | | |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_1C_MC_H$ plus regional and national data groups.

NATIONAL WEATHER SERVICE

USMG, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE NOV. 28-1988

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 | 26.840 | | | 47 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 8 | .040 | | | 00-01 |
| 01 55 | 26.830 | | | 45 | 1 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 53 | 26.810 | | | 49 | 7 | | | | | | | | | | | | | | | 5 | | | | | 02-03 |
| 03 58 | 26.790 | | | 50 | 6 | 6 | ci | 250 | | | | | | | | | | | | 2 | 8 | .050 | | | 03-04 |
| 04 50 | 26.780 | | | 50 | 6 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 55 | 26.780 | | | 56 | 7 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 55 | 26.780 | | | 54 | 8 | 2 | AC | 150 | 6 | CI | 250 | 8 | | | | | | | | 3 | 6 | .010 | | | 06-07 |
| 07 58 | 26.780 | | | 54 | 8 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 55 | 26.780 | | | 41 | 9 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 55 | 26.800 | | | 39 | 8 | 1 | AC | 180 | 7 | ci | 250 | 8 | | | | | | | | 2 | 3 | .020 | | | 09-10 |
| 10 52 | 26.780 | | | 27 | 7 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 58 | 26.760 | | | 21 | 6 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 50 | 26.750 | | | 17 | 6 | 6 | ci | 250 | | | | | | | | | | | | 2 | 6 | .050 | | | 12-13 |
| 13 55 | 26.730 | | | 20 | 6 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 55 | 26.720 | | | 18 | 7 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 57 | 26.740 | | | 19 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 5 | .010 | | | 15-16 |
| 16 58 | 26.760 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.780 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.830 | | | 40 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .090 | | | 18-19 |
| 19 54 | 26.870 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.890 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.910 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 1 | .080 | | | 21-22 |
| 22 50 | 26.920 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.920 | | | 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 0357 | X | 0 | 0 | X | 36 | 32 | X | X | | | | | | X | | |
| | 0357 | 1 | 0 | 0 | 0 | 38 | 32 | | 0 | | | | | | | | |
| | 0954 | 2 | 0 | 0 | 0 | 42 | 31 | | 0 | | | | | | | | |
| | 1553 | 3 | 0 | 0 | 0 | 62 | 42 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 61 | 44 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 42 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0357 | 0954 | 1553 | 2152 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.790 | 26.800 | 26.740 | 26.910 |
| BAROGRAPH 64 | 26.825 | 26.825 | 26.775 | 26.930 |
| BAR. CORR. 65 | -.035 | -.025 | -.035 | -.020 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 31 | 0 | 0 | 0 | 20 | NE | 1815* | | | | | 7 | 4 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0634 SUNSET 1629

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 CORRECT TO NEAREST MINUTE AT: 1040P / 1752 /

* LAST OF SEVERAL OCCURRANCES

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: Nov. 29-1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIM. ETER SET-TING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 280 | 39 | 19 | 04 | 11 | | 037 | 207 | [illegible] |
| SA | 0150 | CLR | 20 | | | 286 | 40 | 18 | 02 | 10 | | 039 | | [illegible] |
| SA | 0251 | CLR | 20 | | | 283 | 42 | 18 | 02 | 13 | | 039 | | [illegible] |
| SA | 0355 | CLR | 20 | | | 290 | 39 | 18 | 09 | 07 | | 040 | 210 37 RADAT 29079 | [illegible] |
| SA | 0450 | CLR | 20 | | | 303 | 40 | 18 | 03 | 15 | | 043 | | [illegible] |
| SA | 0558 | CLR | 20 | | | 304 | 41 | 18 | 05 | 18 | | 044 | | [illegible] |
| SA | 0658 | CLR | 20 | | | 313 | 40 | 18 | 03 | 15 | | 046 | 217 | [illegible] |
| SA | 0753 | CLR | 20 | | | 316 | 44 | 18 | 03 | 17 | | 047 | | [illegible] |
| SA | 0855 | CLR | 20 | | | 319 | 48 | 18 | 03 | 09 | | 048 | | [illegible] |
| SA | 0955 | CLR | 20 | | | 324 | 52 | 18 | 05 | 08 | | 050 | 213 ~~215~~ 37 | [illegible] |
| SA | 1057 | CLR | 20 | | | 309 | 54 | 18 | 04 | 16 | | 046 | | [illegible] |
| SA | 1151 | CLR | 20 | | | 310 | 55 | 17 | 02 | 14 | | 046 | | [illegible] |
| SA | 1258 | CLR | 20 | | | 298 | 58 | 19 | 06 | 07 | | 043 | 722 | [illegible] |
| SA | 1350 | CLR | 20 | | | 294 | 58 | 17 | 13 | 13 | | 042 | | [illegible] |
| SA | 1450 | CLR | 20 | | | 285 | 59 | 16 | 11 | 12 | | 039 | | [illegible] |
| SA | 1553 | CLR | 20 | | | 290 | 58 | 17 | 10 | 12 | | 040 | 507 59 RADAT 20114 | [illegible] |
| SA | 1657 | CLR | 20 | | | 297 | 53 | 14 | 10 | 14 | | 042 | CI NW | [illegible] |
| SA | 1755 | CLR | 20 | | | 304 | 49 | 15 | 06 | 05 | | 043 | | [illegible] |
| SA | 1854 | CLR | 20 | | | 309 | 46 | 17 | 03 | 09 | | 044 | 210 | [illegible] |
| SA | 1952 | CLR | 20 | | | 311 | 46 | 17 | 04 | 09 | | 045 | | [illegible] |
| SA | 2050 | CLR | 20 | | | 308 | 45 | 18 | 03 | 13 | | 045 | | [illegible] |
| SA | 2153 | CLR | 20 | | | 310 | 45 | 18 | 03 | 10 | | 046 | 207 59 | [illegible] |
| SA | 2255 | CLR | 20 | | | 313 | 45 | 18 | 03 | 16 | | 047 | | [illegible] |
| SA | 2355 | CLR | 20 | | | 309 | 45 | 21 | 05 | 17 | G23 | 046 | | [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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE Nov. 29-1988

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 | 26.930 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 00-01 |
| 01 50 | 26.950 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.950 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.960 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 03-04 |
| 04 50 | 26.980 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 58 | 26.990 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 58 | 27.010 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 53 | 27.020 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 27.030 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 55 | 27.045 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 09-10 |
| 10 57 | 27.010 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 57 | 27.010 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 58 | 26.980 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | 7 | .065 | | | 12-13 |
| 13 50 | 26.970 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.950 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.960 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | 5 | .020 | | | 15-16 |
| 16 57 | 26.970 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.980 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 54 | 26.990 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 18-19 |
| 19 52 | 27.000 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 27.000 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 27.010 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 21-22 |
| 22 55 | 27.020 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 27.010 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 61 | TIME (L.S.T.) 62 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0354 | X | 0 | 0 | X | 43 | 37 | X | X | | | | | | X | | |
| | 0354 | 1 | 0 | 0 | 0 | 45 | 37 | | 0 | | | | | | | | |
| | 0954 | 2 | 0 | 0 | 0 | 52 | 37 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 59 | 52 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 58 | 45 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 45 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0954 | 1553 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.960 | 27.045 | 26.960 | 27.010 |
| BAROGRAPH 64 | 26.990 | 27.080 | 26.960 | 27.010 |
| BAR. CORR. 65 | -.030 | -.035 | 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 | 0400 SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 37 | 0 | 0 | 0 | 26 | NE | 0815 | | | | | 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 0635 SUNSET 1629

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 CORRECT TO NEAREST MINUTE AT: 1095P / 1800 /

1300 P – CHANGED BAROGRAM

(5-83)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE Nov. 30, 1988

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) 8 | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 309 | 42 | 19 | 11 | 09 | | 046 | 000 | ~~KG~~ |
| SA | 0153 | 250 - SCT | 20 | | | 312 | 44 | 20 | 10 | 13 | | 047 | | ~~KG~~ |
| SA | 0250 | CLR | 20 | | | 308 | 42 | 21 | 06 | 11 | | 046 | | ~~KG~~ |
| SA | 0355 | CLR | 20 | | | 304 | 43 | 20 | 07 | 09 | | 045 | 803 39 RADAT 21112 | ~~00~~ |
| SA | 0450 | CLR | 20 | | | 308 | 40 | 19 | 08 | 05 | | 045 | | ~~00~~ |
| SA | 0550 | CLR | 20 | | | 317 | 40 | 20 | 11 | 04 | | 047 | | ~~00~~ |
| SA | 0650 | 250 - SCT | 20 | | | 319 | 44 | 20 | 04 | 08 | | 047 | 307 1001 | ~~00~~ |
| SA | 0755 | 250 - BKN | 20 | | | 324 | 46 | 20 | 21 | 06 | | 049 | | ~~00~~ |
| SA | 0850 | 250 - BKN | 20 | | | 319 | 49 | 20 | 02 | 15 | | 048 | | ~~00~~ |
| SA | 0955 | 250 - OVC | 20 | | | 321 | 53 | 20 | 11 | 04 | | 049 | 207 ~~39~~ 1001 39 | ~~00~~ |
| SA | 1055 | 250 - OVC | 20 | | | 310 | 57 | 19 | 13 | 14 | | 047 | | ~~00~~ |
| SA | 1155 | 250 - OVC | 20 | | | 295 | 60 | 18 | 13 | 08 | | 043 | | ~~00~~ |
| SA | 1250 | 250 - OVC | 20 | | | 290 | 61 | 18 | 10 | 14 | | 042 | 725 1001 | ~~00~~ |
| SA | 1355 | 250 - OVC | 20 | | | 277 | 61 | 17 | 13 | 12 | | 038 | | ~~00~~ |
| SA | 1458 | 250 - OVC | 20 | | | 272 | 62 | 15 | 12 | 16 | | 036 | | ~~00~~ |
| SA | 1550 | 250 - BKN | 20 | | | 272 | 60 | 15 | 12 | 12 | | 036 | 615 1001 63 RADAT 20125 | CH |
| SA | 1650 | 250 - BKN | 20 | | | 276 | 55 | 14 | 09 | 08 | | 036 | | CH |
| SA | 1750 | 250 - BKN | 20 | | | 287 | 51 | 10 | 09 | 07 | | 038 | | CH |
| SA | 1850 | 250 - BKN | 20 | | | 288 | 51 | 14 | 06 | 12 | | 039 | 310 1001 | CH |
| SA | 1950 | 250 - BKN | 20 | | | 292 | 48 | 16 | 06 | 10 | | 040 | | CH |
| SA | 2050 | 250 - BKN | 20 | | | 291 | 48 | 15 | 06 | 10 | | 040 | | CH |
| SA | 2150 | 250 - BKN | 20 | | | 292 | 48 | 15 | 05 | 14 | | 042 | 207 1001 63 | CH |
| SA | 2250 | 250 - SCT | 20 | | | 285 | 50 | 17 | 05 | 14 | | 040 | | CH |
| SA | 2350 | CLR | 20 | | | 283 | 45 | 16 | 02 | 10 | | 039 | | 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 (7-82) WHICH MAY BE USED.

☆U.S. GPO:1984-0-764-003/5085

SURFACE WEATHER OBSERVATIONS

DATE NOV. 30, 1988

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 | 27.010 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 01 53 | 27.020 | | | 38 | 1 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 27.010 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 27.000 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 03-04 |
| 04 50 | 27.000 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 27.015 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 27.020 | | | 38 | 3 | 3 | ci | 250 | | | | | | | | | | | | 1 | 3 | .020 | | | 06-07 |
| 07 55 | 27.035 | | | 35 | 6 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 50 | 27.030 | | | 32 | 6 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 55 | 27.040 | | | 27 | 10 | 10 | ci | 250 | | | | | | | | | | | | 2 | 2 | .020 | | | 09-10 |
| 10 55 | 27.015 | | | 23 | 10 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 55 | 26.980 | | | 19 | 10 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 50 | 26.965 | | | 19 | 10 | 10 | ci | 250 | | | | | | | | | | | | 1 | 7 | .075 | | | 12-13 |
| 13 55 | 26.935 | | | 18 | 10 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 58 | 26.920 | | | 16 | 10 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 50 | 26.920 | | | 16 | 8 | 8 | ci | 250 | | | | | | | | | | | | 1 | 6 | .045 | | | 15-16 |
| 16 50 | 26.920 | | | 20 | 8 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.940 | | | 19 | 7 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 50 | 26.950 | | | 23 | 7 | 7 | ci | 250 | | | | | | | | | | | | 1 | 3 | .030 | | | 18-19 |
| 19 50 | 26.960 | | | 28 | 7 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 50 | 26.960 | | | 27 | 9 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 50 | 26.970 | | | 27 | 7 | 7 | ci | 250 | | | | | | | | | | | | 1 | 2 | .020 | | | 21-22 |
| 22 50 | 26.960 | | | 27 | 4 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.950 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 61 | TIME (L.S.T.) 62 | 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 | | 0 | 0 | | 45 | 39 | | | | | | | | | | |
| | 0354 | 1 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 0954 | 2 | 0 | 0 | 0 | 53 | 39 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 63 | 53 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 60 | 45 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 50 | 45 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0954 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 27.000 | 27.040 | 26.920 | 26.970 |
| BAROGRAPH 64 | 27.015 | 27.050 | 26.925 | 26.950 |
| BAR. CORR. 65 | -.015 | -.010 | -.005 | +.020 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 0400 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 | 39 | 0 | 0 | 0 | 20 | E | 1325 | | | | | 8 | 6 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0636 SUNSET 1629

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

FASTEST OBSERVED HIGH/LOW WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 1036P 1161LP 1