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: JANUARY

YEAR: 1989

LATITUDE: 36 ° 37 ' N

LONGITUDE: 116 ° 01 ' W

GROUND ELEVATION (H): 3298 FT.

STANDARD TIME: PACIFIC

| DAY | TEMPERATURE °F MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | DEGREE DAYS (Base 65°) HEATING | COOLING | PRECIPITATION (In.) TOTAL (Water equivalent) | SNOWFALL, ICE PELLETS | SNOW, ICE PELLETS OR ICE ON GROUND AT 0400 | WIND AVERAGE SPEED KNOTS | PEAK SPEED KNOTS | DIRECTION | SUNSHINE AVG STATION PRESS (INS) | PERCENT OF POSSIBLE | SKY COVER SUNRISE TO SUNSET (Tenths) | WEATHER OCCURRENCES | RH 04 | 10 | 16 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6a | 6b | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 51 | 32 | 42 | | 23 | | | | | 11.4 | 25 | NE | 26.64 | | 0 | | 64 | 45 | 33 | 46 |
| 2 | 55 | 30 | 43 | | 22 | | | | | 8.2 | 21 | NE | 26.73 | | 0 | | 50 | 43 | 24 | 46 |
| 3 | 59 | 32 | 46 | | 19 | | 0.01 | | | 10.5 | 20 | NE | 26.78 | | 1 | RW | 42 | 33 | 26 | 56 |
| 4 | 48 | 41 | 45 | | 20 | | 0.22 | | | 8.1 | 28 | E | 26.58 | | 10 | RW R F | 86 | 93 | 100 | 62 |
| 5 | 53 | 35 | 44 | | 21 | | | | | 14.8 | 43 | S | 26.55 | | 7 | | 76 | 71 | 57 | 65 |
| 6 | 44 | 25 | 35 | | 30 | | 0.01 | 0.1 | T | 9.5 | 32 | S | 26.59 | | 1 | SW | 59 | 39 | 24 | 53 |
| 7 | 42 | 19 | 31 | | 34 | | | | | 3.8 | 12 | W | 26.74 | | 9 | | 65 | 36 | 34 | 77 |
| 8 | 43 | 16 | 30 | | 35 | | | | | 4.3 | 15 | N | 26.93 | | 0 | | 84 | 39 | 28 | 68 |
| 9 | 46 | 22 | 34 | | 31 | | | | | 4.4 | 12 | SW | 26.90 | | 9 | | 76 | 45 | 25 | 63 |
| 10 | 46 | 24 | 35 | | 30 | | | | | 7.4 | 39 | NE | 26.66 | | 7 | | 67 | 51 | 35 | 40 |
| 11 | 43 | 30 | 37 | | 28 | | | | | 13.8 | 33 | NE | 27.03 | | 0 | | 38 | 30 | 22 | 43 |
| 12 | 44 | 26 | 35 | | 30 | | | | | 14.0 | 23 | NE | 27.05 | | 0 | | 45 | 31 | 25 | 43 |
| 13 | 44 | 22 | 33 | | 32 | | | | | 8.0 | 19 | SE | 26.86 | | 10 | | 50 | 37 | 26 | 52 |
| 14 | 46 | 20 | 33 | | 32 | | | | | 5.3 | 14 | SE | 26.77 | | 0 | | 59 | 29 | 21 | 43 |
| 15 | 48 | 28 | 38 | | 27 | | | | | 11.6 | 21 | NE | 26.94 | | 0 | | 49 | 39 | 20 | 38 |
| 16 | 55 | 29 | 42 | | 23 | | | | | 8.3 | 20 | NE | 26.90 | | 0 | | 41 | 27 | 18 | 35 |
| 17 | 62 | 30 | 46 | | 19 | | | | | 9.7 | 25 | NE | 26.85 | | 0 | | 39 | 27 | 18 | 26 |
| 18 | 63 | 43 | 53 | | 12 | | | | | 13.8 | 26 | NE | 26.87 | | 0 | | 30 | 25 | 16 | 34 |
| 19 | 67 | 44 | 56 | | 9 | | | | | 13.3 | 24 | NE | 26.83 | | 1 | | 33 | 28 | 18 | 34 |
| 20 | 61 | 41 | 51 | | 14 | | | | | 9.1 | 20 | SE | 26.81 | | 9 | | 36 | 27 | 20 | 38 |
| 21 | 58 | 34 | 46 | | 19 | | | | | 5.7 | 16 | SE | 26.71 | | 10 | | 41 | 31 | 25 | 44 |
| 22 | 52 | 31 | 42 | | 23 | | | | | 6.1 | 17 | SE | 26.54 | | 10 | | 58 | 36 | 34 | 52 |
| 23 | 55 | 29 | 42 | | 23 | | | | | 3.7 | 17 | NE | 26.45 | | 10 | | 64 | 37 | 30 | 49 |
| 24 | 51 | 33 | 42 | | 23 | | | | | 14.5 | 27 | NE | 26.52 | | 7 | | 46 | 41 | 30 | 35 |
| 25 | 49 | 30 | 40 | | 25 | | | | | 15.2 | 25 | NE | 26.74 | | 0 | | 30 | 16 | 10 | 24 |
| 26 | 53 | 29 | 41 | | 24 | | | | | 14.9 | 25 | NE | 26.82 | | 0 | | 29 | 20 | 11 | 29 |
| 27 | 58 | 34 | 46 | | 19 | | | | | 8.8 | 21 | SW | 26.69 | | 3 | | 27 | 20 | 16 | 29 |
| 28 | 55 | 33 | 44 | | 21 | | | | | 11.4 | 23 | NE | 26.74 | | 2 | | 39 | 26 | 15 | 29 |
| 29 | 63 | 35 | 49 | | 16 | | | | | 13.4 | 24 | NE | 26.82 | | 2 | | 31 | 20 | 13 | 28 |
| 30 | 66 | 40 | 53 | | 12 | | | | | 10.0 | 21 | N | 26.79 | | 0 | | 39 | 32 | 25 | 50 |
| 31 | 64 | 32 | 48 | | 17 | | | | | 6.1 | 24 | SW | 26.60 | | 1 | | 64 | 35 | 16 | 38 |
| SUM | 1644 | 949 | — | — | 713 | | 0.24 | 0.1 | — | 299.1 | — | — | 829.43 | — | 109 | — | 1557 | 1109 | 815 | 1370 |
| AVG | 53.0 | 30.6 | — | — | — | — | — | — | — | 9.6 | FASTEST | DIRECTION | POSSIBLE | % | 3.5 | — | 50 | 36 | 26 | 44 |
| | | | | | | | | | | MISC. → | 43 | S | 26.76 | | | — | | | | |

**TEMPERATURE DATA**

AVERAGE MONTHLY 41.8

DEPARTURE FROM NORMAL -2.1

HIGHEST 67 ON 19

LOWEST 16 ON 8

NUMBER OF DAYS WITH –

MAX. 32° OR BELOW 0

MAX. 90° OR ABOVE 0

MIN. 32° OR BELOW 20

MIN. 0° OR BELOW 0

HEATING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 713

DEPARTURE FROM NORMAL +65

SEASONAL TOTAL 1790

DEPARTURE FROM NORMAL -89

COOLING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 0

DEPARTURE FROM NORMAL 0

SEASONAL TOTAL 0

DEPARTURE FROM NORMAL 0

**PRECIPITATION DATA**

TOTAL FOR THE MONTH 0.24 IN.

DEPARTURE FROM NORMAL -.59 IN.

GREATEST IN 24 HRS. 0.22 ON 4

SNOWFALL, ICE PELLETS

TOTAL FOR THE MONTH 0.1 IN.

GREATEST IN 24 HRS. 0.1 ON 6

GREATEST DEPTH ON GROUND T ON 6

**WEATHER**

NUMBER OF DAYS –

CLEAR (Scale 0–3) 20

PARTLY CLOUDY (Scale 4–7) 3

CLOUDY (Scale 8–10) 8

WITH 0.01 INCH OR MORE PRECIP. 3

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**

1 = T = thunderstorm
2 =
3 = R = rain
4 = RW = rain shower
5 =
6 = S = snow
7 = SW = snow shower
8 =
9 = F = fog
X =

**MAXIMUM PRECIPITATION**

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

HIGHEST STATION 27.120 IN. ON 12

LOWEST STATION 26.420 IN. ON 23

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

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: JAN 1 1989

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 | M55 OVC | 20 | | | 176 | 35 | 27 | 04 | 08 | | 004 | 005 15// | CRD |
| SA | 0152 | M55 OVC | 20 | | | 178 | 36 | 27 | 06 | 08 | | 004 | | CRD |
| SA | 0253 | M65 OVC | 20 | | | 177 | 36 | 26 | 04 | 10 | | 004 | | CRD |
| SA | 0350 | M 55 OVC | 20 | | | 178 | 36 | 25 | 03 | 10 | | 004 | 102 15// 33 RADAT 60044 | [illegible] |
| SA | 0450 | 55 SCT | 20 | | | 177 | 33 | 24 | 03 | 13 | | 003 | | [illegible] |
| SA | 0551 | 55 SCT | 20 | | | 181 | 32 | 22 | 06 | 14 | | 003 | | [illegible] |
| SA | 0651 | CLR | 20 | | | 189 | 32 | 21 | 06 | 14 | | 005 | 303 1500 | [illegible] |
| SA | 0752 | CLR | 20 | | | 189 | 36 | 21 | 06 | 14 | | 006 | | [illegible] |
| SA | 0852 | CLR | 20 | | | 193 | 38 | 21 | 06 | 13 | | 008 | | [illegible] |
| SA | 0950 | CLR | 20 | | | 193 | 41 | 21 | 06 | 14 | | 008 | 110 32 | [illegible] |
| SA | 1050 | CLR | 20 | | | 182 | 45 | 24 | 07 | 08 | | 006 | | [illegible] |
| SA | 1150 | CLR | 20 | | | 172 | 47 | 22 | 05 | 06 | | 004 | | [illegible] |
| SA | 1251 | CLR | 20 | | | 166 | 49 | 23 | 07 | 08 | | 002 | 620 1100 | [illegible] |
| SA | 1350 | CLR | 20 | | | 160 | 50 | 22 | 11 | 10 | | 001 | | [illegible] |
| SA | 1450 | CLR | 20 | | | 160 | 50 | 22 | 12 | 12 | | 001 | | [illegible] |
| SA | 1550 | CLR | 20 | | | 165 | 49 | 21 | 13 | 10 | | 002 | 500 51 RADAT 49065 | AD |
| SA | 1650 | CLR | 20 | | | 172 | 46 | 21 | 05 | 05 | | 003 | | AD |
| SA | 1750 | CLR | 20 | | | 180 | 42 | 21 | 06 | 10 | | 004 | | AD |
| SA | 1850 | CLR | 20 | | | 188 | 40 | 20 | 04 | 16 | | 006 | 214 | AD |
| SA | 1950 | CLR | 20 | | | 186 | 40 | 19 | 05 | 18 G 25 | | 006 | | AD |
| SA | 2050 | CLR | 20 | | | 186 | 38 | 18 | 04 | 15 | | 006 | | AD |
| SA | 2150 | CLR | 20 | | | 196 | 37 | 18 | 05 | 14 | | 009 | 310 51 | AD |
| SA | 2250 | CLR | 20 | | | 197 | 37 | 19 | 05 | 09 | | 011 | | AD |
| SA | 2350 | CLR | 20 | | | 196 | 37 | 18 | 05 | 14 | | 011 | | AD |

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

FM12-VII: IIiii iiii hVV Nddff 1s TTT 2s T T T 3P P P P 4PPPP 5appp 6RRRtp 7wwW1W2 8N C1 CMC1 plus regional and national data groups.

NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE JAN 1 1989

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 | 26.625 | | | 72 | 10 | 10 | Sc | M55 | | | | | | | | | | | | 8 | 0 | .015 | | | 00-01 |
| 01 52 | 26.630 | | | 70 | 10 | | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 53 | 26.630 | | | 67 | 10 | | | | | | | | | | | | | | | 8 | | | | | 02-03 |
| 03 50 | 26.630 | | | 64 | 10 | 10 | Sc | M55 | | | | | | | | | | | | 10 | 1 | .005 | | | 03-04 |
| 04 50 | 26.620 | | | 69 | 5 | | | | | | | | | | | | | | | 5 | | | | | 04-05 |
| 05 51 | 26.620 | | | 66 | 2 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 51 | 26.640 | | | 64 | 0 | 0 | Sc | 55 | | | | | | | | | | | | 0 | 3 | .010 | | | 06-07 |
| 07 52 | 26.650 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.665 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.670 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 10 50 | 26.650 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.625 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.610 | | | 36 | 0 | 0 | Cu | 50 | | | | | | | | | | | | 0 | 6 | .060 | | | 12-13 |
| 13 50 | 26.600 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.600 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.610 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 15-16 |
| 16 50 | 26.620 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.630 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.650 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 18-19 |
| 19 50 | 26.650 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.650 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.680 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 21-22 |
| 22 50 | 26.690 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.690 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | X | 0 | 0 | X | 36 | 35 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 36 | 35 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 41 | 32 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 51 | 48 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 49 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 38 | 36 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.630 | 26.670 | 26.610 | 26.680 |
| BAROGRAPH 64 | 26.630 | 26.665 | 26.60 | 26.680 |
| BAR. CORR. 65 | 0 | +.005 | 0 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 0900 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 | 32 | 0 | 0 | 0 | 25 | NE | 1953* | | | | | 0 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0656 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/ 1700/

* LAST OF SEVERAL OCCURRANCES

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: JAN 2 1989

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) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 190 | 37 | 20 | 05 | 15 | | 009 | 000 | AD |
| SA | 0150 | CLR | 20 | | | 192 | 35 | 19 | 04 | 15 | | 009 | | AD |
| SA | 0250 | CLR | 20 | | | 197 | 33 | 20 | 11 | 08 | | 011 | | AD |
| SA | 0341 | CLR | 20 | | | 196 | 35 | 18 | 04 | 12 | | 011 | 103 33 RADAT 25077 | AD |
| SA | 0450 | CLR | 20 | | | 201 | 34 | 19 | 05 | 12 | | 012 | | AD |
| SA | 0551 | CLR | 20 | | | 208 | 34 | 18 | 04 | 15 | G21 | 014 | | AD |
| SA | 0650 | CLR | 20 | | | 214 | 33 | 18 | 05 | 14 | | 014 | 110 | AD |
| SA | 0751 | CLR | 20 | | | 224 | 35 | 18 | 04 | 15 | | 017 | | AD |
| SA | 0855 | CLR | 20 | | | 227 | 40 | 19 | 05 | 13 | | 018 | | AD |
| SA | 0950 | CLR | 20 | | | 225 | 43 | 22 | 13 | 11 | | 018 | 114 30 | AD |
| SA | 1055 | CLR | 20 | | | 218 | 45 | 20 | 11 | 03 | | 017 | | AD |
| SA | 1150 | CLR | 20 | | | 208 | 49 | 21 | 16 | 03 | | 015 | | AD |
| SA | 1252 | CLR | 20 | | | 197 | 52 | 21 | 00 | 00 | | 012 | 820 | AD |
| SA | 1351 | CLR | 20 | | | 192 | 54 | 20 | 25 | 05 | | 011 | | AD |
| SA | 1450 | CLR | 20 | | | 197 | 54 | 18 | 00 | 00 | | 012 | | AD |
| SA | 1550 | CLR | 20 | | | 193 | 54 | 18 | 00 | 00 | | 011 | 703 55 RADAT 20098 | AD |
| SA | 1650 | CLR | 20 | | | 197 | 47 | 18 | 12 | 08 | | 011 | | AD |
| SA | 1750 | CLR | 20 | | | 207 | 44 | 18 | 10 | 05 | | 013 | | AD |
| SA | 1850 | CLR | 20 | | | 218 | 39 | 17 | 04 | 06 | | 015 | 314 | AD |
| SA | 1950 | CLR | 20 | | | 225 | 39 | 16 | 07 | 08 | | 017 | | AD |
| SA | 2050 | CLR | 20 | | | 229 | 40 | 18 | 06 | 06 | | 019 | | AD |
| SA | 2150 | CLR | 20 | | | 235 | 38 | 19 | 04 | 08 | | 022 | 220 55 | AD |
| SA | 2250 | CLR | 20 | | | 243 | 38 | 18 | 05 | 08 | | 024 | | AD |
| SA | 2350 | CLR | 20 | | | 241 | 36 | 17 | 07 | 06 | | 024 | | AD |

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 Ndd(f) 1s₀TTT 2s₀T_dT_dT_d 3P₀P₀P₀P₀ 4PPPP 5appp 6RRRt_R 7wwW₁W₂ 8N_hC_LC_MC_H plus regional and national data groups.

(4-86)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NEVADA

DATE JAN 2 1989

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 SD | 26.680 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 01 SD | 26.680 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 SD | 26.690 | | | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.690 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 03-04 |
| 04 50 | 26.700 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.720 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.720 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 06-07 |
| 07 51 | 26.750 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.760 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.760 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 09-10 |
| 10 55 | 26.745 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.725 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.700 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 8 | .060 | | | 12-13 |
| 13 51 | 26.690 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.700 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.690 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | 7 | .010 | | | 15-16 |
| 16 50 | 26.690 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.710 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.730 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 18-19 |
| 19 50 | 26.750 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.770 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.790 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 21-22 |
| 22 50 | 26.810 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.810 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 37 | 33 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 38 | 33 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 43 | 30 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 55 | 43 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 54 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 39 | 35 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0950 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.690 | 26.760 | 26.690 | 26.790 |
| BAROGRAPH 64 | 26.685 | 26.760 | 26.690 | 26.790 |
| BAR. CORR. 65 | +.005 | 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 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 30 | 0 | 0 | 0 | 21 | NE | 0550 | | | | | 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 0656 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: 1040 / 1700 /

* CHANGED BAROGRAPH RESET TO ±.0 CORR.

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: JAN 3 1989

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 | | | 235 | 38 | 18 | 04 | 10 | | 023 | 003 | AO |
| SA | 0150 | CLR | 20 | | | 233 | 37 | 17 | 01 | 11 | | 023 | | AO |
| SA | 0250 | CLR | 20 | | | 239 | 36 | 17 | 06 | 06 | | 024 | | AO |
| SA | 0357 | CLR | 20 | | | 237 | 37 | 16 | 04 | 11 | | 024 | 103 34 RADAT 23095 | NS |
| SA | 0450 | CLR | 20 | | | 248 | 32 | 16 | 10 | 09 | | 025 | | NS |
| SA | 0550 | CLR | 20 | | | 246 | 37 | 15 | 05 | 11 | | 025 | | NS |
| SA | 0651 | CLR | 20 | | | 254 | 39 | 14 | 06 | 13 | | 026 | 207 1070 | NS |
| SA | 0750 | CLR | 20 | | | 255 | 42 | 17 | 03 | 13 | | 027 | | NS |
| SA | 0853 | CLR | 20 | | | 260 | 46 | 18 | 04 | 08 | | 029 | LYR AC DSNT SE-SW | NS |
| SA | 0952 | CLR | 20 | | | 264 | 48 | 20 | 11 | 07 | | 030 | 214 1070 32 | NS |
| SA | 1052 | CLR | 20 | | | 253 | 50 | 17 | 04 | 13 | | 028 | FEW SC AC | NS |
| SA | 1150 | CLR | 20 | | | 238 | 54 | 18 | 07 | 10 | | 024 | FEW SC AC | NS |
| SA | 1251 | CLR | 20 | | | 223 | 56 | 18 | 12 | 13 | | 020 | 730 1570 | NS |
| SA | 1357 | CLR | 20 | | | 206 | 58 | 19 | 12 | 08 | | 016 | FEW SC AC CI | NS |
| SA | 1450 | 120 SCT 200 SCT | 20 | | | 212 | 58 | 20 | 12 | 15 | | 017 | FEW SC | NS |
| SA | 1550 | E120 BKN 200 OVC | 20 | | | 200 | 57 | 22 | 12 | 12 | | 014 | 720 1078 59 RADAT 72089 | AO |
| SA | 1650 | 65 SCT E120 OVC | 20 | | | 208 | 55 | 20 | 12 | 14 | | 014 | | AO |
| SA | 1750 | M45 BKN 65 OVC | 20 | | | 216 | 53 | 22 | 12 | 10 | | 017 | | AO |
| SA | 1850 | 45 SCT M65 BKN 120 OVC | 10 | | | 207 | 52 | 28 | 10 | 14 | | 015 | 003 187/ | AO |
| SA | 1950 | M45 BKN 65 OVC | 10 | | | 210 | 50 | 39 | 06 | 10 | | 016 | | AO |
| SA | 2050 | M45 BKN 65 OVC | 10 | | | 200 | 48 | 38 | 06 | 07 | | 014 | | AO |
| SA | 2150 | 45 SCT M65 BKN 120 BKN | 10 | | | 193 | 48 | 33 | 10 | 09 | | 012 | RB01E15/81001 1870 59 | AO |
| SA | 2250 | 45 SCT 65 SCT E~~M~~120 BKN | 10 | | | 191 | 47 | 36 | 08 | 08 | | 012 | | AO |
| SA | 2350 | 65 SCT E120 OVC | 10 | | | 181 | 47 | 34 | 10 | 10 | | 009 | | AO |

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

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK, NEVADA

DATE JAN 3 1989

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 SD | 26.800 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 00-01 |
| 01 SD | 26.800 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 SD | 26.810 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 57 | 26.810 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 03-04 |
| 04 50 | 26.820 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.820 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.830 | | | 36 | 0 | 0 | AC | 120 | | | | | | | | | | | | 0 | 2 | .020 | | | 06-07 |
| 07 50 | 26.840 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.860 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.870 | | | 33 | 0 | 0 | AC | 120 | | | | | | | | | | | | 0 | 2 | .040 | | | 09-10 |
| 10 52 | 26.845 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.810 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.780 | | | 22 | 0 | 0 | SC | 70 | 0 | AC | 120 | 0 | | | | | | | | 0 | 7 | .090 | | | 12-13 |
| 13 57 | 26.735 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.750 | | | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 50 | 26.720 | | | 26 | 10 | 6 | AC | E120 | 4 | CS | 200 | 10 | | | | | | | | 9 | 7 | .060 | | | 15-16 |
| 16 50 | 26.730 | | | 25 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 50 | 26.750 | | | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 50 | 26.730 | | | 39 | 10 | 3 | SC | 45 | 4 | CU | M65 | 7 | 3 | AC | 120 | 10 | | | | 10 | 0 | .010 | | | 18-19 |
| 19 50 | 26.740 | | | 66 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 50 | 26.720 | | | 68 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.700 | | | 56 | 9 | 2 | SC | 45 | 4 | CU | M65 | 6 | 3 | AC | 120 | 9 | | | | 9 | 8 | .030 | | | 21-22 |
| 22 50 | 26.700 | | | 65 | 9 | | | | | | | | | | | | | | | 8 | | | | | 22-23 |
| 23 50 | 26.680 | | | 61 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0352 | X | 0 | 0 | X | 39 | 34 | X | X | | | | | | X | | |
| | 0352 | 1 | 0 | 0 | 0 | 39 | 34 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 48 | 32 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 59 | 48 | | 0 | | | | | | | | |
| | 2150 | 4 | .01 | 0 | 0 | 57 | 47 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 50 | 47 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0357 | 0952 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.810 | 26.870 | 26.720 | 26.700 |
| BAROGRAPH 64 | 26.810 | 26.860 | 26.710 | 26.700 |
| BAR. CORR. 65 | 0 | +.010 | +.010 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 32 | .01 | 0 | 0 | 20 | NE | 0702 | | | | | 1 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 2101 | 2115 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0657 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: 1045 / 1700 /

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: JAN 4 1989

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 6S SCT E120 OVC | 20 | | | 170 | 46 | 33 | 26 | 05 | | 006 | 817 117/ | AO |
| SA | 0150 | M40 BKN 65 OVC | 10 | | RW- | 168 | 48 | 31 | 27 | 06 | | 006 | RB39 | AO |
| SA | 0250 | 15 SCT M30 OVC | 7 | | RW- | 166 | 44 | 41 | 11 | 11 | | 005 | | AO |
| SA | 0351 | 15 SCT M32 OVC | 7 | | R- | 163 | 45 | 41 | 10 | 18 | G28 | 004 | R-OCNLY R /80709 18// | [illegible] |
| — | — | | | | | | | | | | | | 44 20010 RADAT 94078 | — |
| SA | 0459 | 15 SCT M38 OVC | 10 | | R- | 145 | 43 | 42 | 03 | 09 | | 999 | PRESFR | [illegible] |
| RS | 0551 | 14 SCT M21 OVC | 10 | | | 143 | 42 | 40 | 04 | 16 | G21 | 997 | RE20 | [illegible] |
| SA | 0650 | 14 SCT M22 OVC | 10 | | | 143 | 42 | 39 | 07 | 09 | | 997 | 62006 17// | [illegible] |
| SA | 0750 | 14 SCT M20 BKN 30 OVC | 20 | | | 141 | 42 | 39 | 05 | 10 | | 996 | | [illegible] |
| SA | 0852 | M16 BKN 20 OVC | 20 | | | 150 | 43 | 38 | 06 | 08 | | 999 | | [illegible] |
| SP | 0916 | 16 SCT M38 OVC | 15 | | RW- | | | | 06 | 08 | | 997 | | [illegible] |
| RS | 0956 | M23 BKN 40 OVC | 15 | | RW- | 134 | 43 | 41 | 05 | 12 | | 994 | RB1655 / 81010 18// 42 | [illegible] |
| SA | 1050 | M16 BKN 25 OVC | 20 | | | 130 | 45 | 41 | 12 | 11 | | 993 | RE07 | [illegible] |
| RS | 1158 | 16 SCT M35 OVC | 20 | | | 119 | 45 | 40 | 12 | 10 | | 990 | | [illegible] |
| RS | 1252 | M22 OVC | 20 | | | 115 | 46 | 40 | 11 | 07 | | 988 | 71700 15// | [illegible] |
| SA | 1352 | M25 OVC | 20 | | | 113 | 47 | 40 | 08 | 03 | | 988 | | [illegible] |
| SA | 1452 | M19 OVC | 10 | | R- | 131 | 45 | 44 | 27 | 07 | | 993 | VSBY NW-NE 3 RB12 | [illegible] |
| SP | 1516 | M20 OVC | 10 | | R- | | | | 25 | 07 | | 994 | CUFRA 6 HND NW-NE | [illegible] |
| SP | 1535 | -X M5 BKN 12 OVC | 3 | | R-F | | | | 24 | 08 | | 994 | F4 | AO |
| RS | 1550 | W 4 X | 2 | | R-F | 136 | 44 | 44 | 22 | 09 | | 994 | 31702 47 RADAT 94068 | AO |
| SP | 1630 | -X 5 SCT M15 OVC | 3 | | R-F | | | | 24 | 08 | | 994 | F3 | AO |
| SA | 1650 | -X 5 SCT M15 BKN 30 OVC | 4 | | R-F | 141 | 43 | 42 | 25 | 07 | | 995 | F2 | AO |
| SP | 1726 | 5 SCT 15 SCT M30 BKN 45 OVC | 7 | | R- | | | | 26 | 06 | | 995 | | AO |
| SA | 1750 | 15 SCT M45 OVC | 7 | | R-F | 146 | 43 | 40 | 32 | 06 | | 996 | | AO |
| SP | 1832 | M7 BKN 30 BKN 60 OVC | 7 | | R- | | | | 24 | 05 | | 997 | | AO |
| SA | 1850 | M7 BKN 22 OVC | 7 | | | 152 | 44 | 40 | 26 | 05 | | 999 | RE46 / 21401 17// | AO |
| SA | 1950 | M7 BKN 12 OVC | 7 | | | 161 | 43 | 38 | 26 | 06 | | 001 | | AO |
| SP | 2015 | 7 SCT M12 BKN 20 OVC | 7 | | | | | | 27 | 06 | | 002 | | AO |
| SA | 2050 | 7 SCT M12 BKN 20 BKN 28 OVC | 7 | | | 164 | 43 | 34 | 29 | 05 | | 002 | | AO |
| RS | 2150 | M7 BKN 12 OVC | 7 | | | 169 | 42 | 30 | 34 | 03 | | 003 | 21401 17// 50 | AO |
| RS | 2250 | 7 SCT M10 OVC | 7 | | | 174 | 43 | 28 | 26 | 07 | | 005 | | AO |
| SP | 2334 | 7 SCT 12 SCT M30 BKN | 10 | | | | | | 31 | 05 | | 005 | | AO |
| SA | 2350 | 12 SCT M30 BKN | 10 | | | 175 | 41 | 36 | 32 | 05 | | 005 | | AO |

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

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE JAN 4 1989

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 | | | 60 | 10 | 4 | CU | 65 | 6 | AC | E120 | 10 | | | | | | | | 10 | 8 | .050 | | | 00-01 |
| 01 50 | 26.650 | | | 52 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.640 | | | 89 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 54 | 26.630 | | | 86 | 10 | 3 | CUFRA | 15 | 10 | SC | M32 | 10 | | | | | | | | 10 | 8 | .020 | | | 03-04 |
| 04 59 | 26.580 | | | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 51 | 26.570 | | | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 50 | 26.570 | | | 89 | 10 | 3 | CUFRA | 14 | 10 | CUFRA | M22 | 10 | | | | | | | | 10 | 6 | .060 | | | 06-07 |
| 07 50 | 26.560 | | | 89 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 52 | 26.580 | | | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 56 | 26.540 | | | 93 | 10 | 7 | CUFRA | M23 | 10 | SC | H10 | 10 | | | | | | | | 10 | 8 | .030 | | | 09-10 |
| 10 50 | 26.530 | | | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 58 | 26.500 | | | 82 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 52 | 26.490 | | | 80 | 10 | 10 | SC | M22 | | | | | | | | | | | | 10 | 7 | .050 | | | 12-13 |
| 13 52 | 26.490 | | | 77 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 52 | 26.530 | | | 97 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 50 | 26.540 | | | 100 | 10 | 10 | F | W4 | | | | | | | | | | | | 10 | 3 | .050 | | | 15-16 |
| 16 50 | 26.550 | | | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 50 | 26.560 | | | 89 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 50 | 26.580 | | | 86 | 10 | 7 | CUFRA | M7 | 3 | SC | 22 | 10 | | | | | | | | 10 | 2 | .040 | | | 18-19 |
| 19 50 | 26.600 | | | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 50 | 26.610 | | | 70 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.620 | | | 62 | 10 | 6 | CUFRA | M7 | 4 | SC | 12 | 10 | | | | | | | | 10 | 2 | .040 | | | 21-22 |
| 22 50 | 26.640 | | | 55 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26.640 | | | 65 | 7 | | | | | | | | | | | | | | | 7 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | .09 | 0 | X | 48 | 44 | X | X | | | | | | X | | |
| | 0350 | 1 | .09 | 0 | 0 | 50 | 44 | | 2 | | | | | | | | |
| | 0952 | 2 | .10 | 0 | 0 | 45 | 42 | | 2 | | | | | | | | |
| | 1550 | 3 | .02 | 0 | 0 | 47 | 43 | | 2 | | | | | | | | |
| | 2150 | 4 | .01 | 0 | 0 | 44 | 42 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 43 | 41 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0956 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.630 | 26.540 | 26.540 | 26.620 |
| BAROGRAPH 64 | 26.625 | 26.540 | 26.520 | 26.600 |
| BAR. CORR. 65 | +.005 | 0 | +.020 | +.020 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 41 | .22 | 0 | 0 | 28 | E | 0348 | | | | | 10 | 10 | | |

### WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0139 | 0310 | | | |
| R- | 0310 | 0520 | | | |
| RW- | 0855 | 1007 | | | |
| R- | 1412 | 1846 | | | |
| F | 1530 | 1725 | | | |

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0657 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: 1 0515 / 1700 /

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: JAN 5 1989

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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RS | 0050 | M 12 OVC | 10 | | | 175 | 42 | 32 | 13 | 05 | | 005 | 107 16// | AD |
| RS | 0150 | 7 SCT M 12 OVC | 10 | | | 174 | 42 | 34 | 00 | 00 | | 005 | | AD |
| SA | 0250 | 7 SCT M12 BKN 18 OVC | 10 | | | 169 | 41 | 36 | 00 | 00 | | 005 | | AD |
| SP | 0347 | 8 SCT M16 BKN 20 OVC | 10 | | | | | | 33 | 03 | | 004 | | DC |
| SA | 0358 | 8 SCT M16 BKN 20 OVC | 20 | | | 174 | 41 | 34 | 03 | 03 | | 004 | 803 16// 41 | DC |
| | | | | | | | | | | | | | 20013 RADAT | |
| | | | | | | | | | | | | | 94L062 078085 | |
| SA | 0456 | 7 SCT M23 BKN | 20 | | | 174 | 38 | 38 | 00 | 00 | | 004 | | DC |
| SP | 0540 | 7 SCT 25 SCT | 20 | | | | | | 07 | 06 | | 003 | | DC |
| SA | 0555 | 7 SCT 25 SCT | 20 | | | 172 | 36 | 36 | 04 | 04 | | 003 | | DC |
| SP | 0631 | M 8 BKN 15 BKN | 10 | | | | | | 29 | 05 | | 004 | | DC |
| SA | 0657 | E 8 BKN 20 BKN 140 BKN | 10 | | | 176 | 35 | 35 | 30 | 06 | | 004 | 500 1630 | DC |
| SP | 0723 | 8 SCT M13 BKN 50 BKN 140 BKN | 10 | | | | | | 09 | 04 | | 004 | | DC |
| SP | 0738 | 8 SCT 15 SCT 50 SCT E 140 OVC | 10 | | | | | | 05 | 05 | | 004 | NMRS SML BINOVC | DC |
| SA | 0749 | 9 SCT 40 SCT E 120 BKN | 20 | | | 175 | 38 | 38 | 04 | 05 | | 004 | | DC |
| SA | 0857 | 9 SCT 40 SCT E 120 OVC | 20 | | | 170 | 44 | 42 | 11 | 08 | | 004 | BINOVC | DC |
| SA | 0958 | 40 SCT E 150 OVC | 20 | | | 168 | 47 | 38 | 15 | 06 | G16 | 004 | BINOVC / 802 157/ | DC |
| | | | | | | | | | | | | | 35 | |
| SA | 1055 | E 150 BKN 250 BKN | 20 | | | 154 | 50 | 35 | 19 | 18 | G28 | 001 | FEW SC | DC |
| SA | 1157 | 35 SCT 140 SCT E 250 BKN | 20 | | | 145 | 50 | 35 | 21 | 24 | G33 | 997 | PK WND 1939/07 | DC |
| SA | 1255 | 150 SCT | 20 | | | 125 | 51 | 33 | 20 | 27 | G40 | 992 | CU OVHTNS PK WND | DC |
| | | | | | | | | | | | | | 2043/33 / B36 1270 | |
| SA | 1356 | 45 SCT 140 SCT 250 SCT | 20 | | | 115 | 52 | 34 | 19 | 25 | G32 | 989 | ACSL E PK WND 2042/ | DC |
| | | | | | | | | | | | | | 04 | |
| SA | 1456 | 45 SCT E 250 BKN | 20 | | | 114 | 52 | 35 | 20 | 19 | G29 | 988 | PK WND 2036/27 | DC |
| SA | 1550 | M45 BKN 250 BKN | 20 | | | 115 | 50 | 35 | 19 | 24 | G32 | 988 | PK WND 2040/36 / 610 | — |
| | | | | | | | | | | | | | 1501 53 RADAT 81072 | 008 |
| SA | 1650 | M45 BKN 250 BKN | 20 | | | 113 | 49 | 36 | 20 | 24 | G33 | 987 | | 008 |
| SA | 1750 | M 35 BKN | 15 | | | 113 | 48 | 37 | 21 | 24 | G34 | 986 | PK WND 2040/16 | 008 |
| SA | 1855 | 35 SCT 150 SCT | 20 | | | 109 | 47 | 37 | 21 | 21 | G34 | 985 | 710 1520 | 008 |
| SA | 1955 | 35 SCT M65 BKN 120 BKN | 15 | | | 108 | 46 | 37 | 21 | 24 | G32 | 985 | | 008 |
| SA | 2053 | 20 SCT 35 SCT M65 BKN 120 OVC | 10 | | | 102 | 46 | 36 | 21 | 25 | G33 | 984 | | 008 |
| SA | 2155 | 20 SCT 35 SCT M75 BKN 120 BKN | 15 | | | 098 | 45 | 34 | 20 | 26 | G34 | 984 | PK WND 2241/43/ 805 1570 53 | 008 |
| SA | 2253 | 35 SCT 75 SCT E120 BKN | 20 | | | 095 | 45 | 31 | 20 | 20 | G28 | 984 | | 008 |
| SA | 2355 | 35 SCT 75 SCT E 120 BKN | 20 | | | 102 | 44 | 28 | 21 | 15 | G23 | 985 | | 008 |

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

MF1-10B
(4-86)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: JAN 5 1989

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 | 26.640 | | | 68 | 10 | 10 | ST | M12 | | | | | | | | | | | | 10 | 1 | .020 | | | 00-01 |
| 01 50 | 26.640 | | | 73 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.640 | | | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 58 | 26.630 | | | 76 | 10 | 1 | ST | 8 | 7 | ST | M16 | 7 | 3 | ST | 20 | 10 | | | | 10 | 8 | .010 | | | 03-04 |
| 04 56 | 26.630 | 37.5 | 37.5 | 100 | 9 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 55 | 26.620 | 36.3 | 36.3 | 100 | 1 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 57 | 26.630 | 35.3 | 35.3 | 100 | 9 | 6 | ST | E8 | 1 | ST | 20 | 7 | 2 | AC | 140 | 9 | | | | 9 | 5 | .000 | | | 06-07 |
| 07 49 | 26.630 | 38.0 | 38.0 | 100 | 9 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 57 | 26.630 | | | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 58 | 26.625 | | | 71 | 10 | 0 | ST | 20 | 1 | SC | 40 | 1 | 10 | AC | E150 | 10 | | | | 10 | 8 | .005 | | | 09-10 |
| 10 55 | 26.595 | | | 56 | 8 | | | | | | | | | | | | | | | 7 | | | | | 10-11 |
| 11 57 | 26.565 | | | 56 | 7 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 55 | 26.520 | | | 50 | 2 | 0 | CU | 40 | 2 | AC | 150 | 2 | | | | | | | | 2 | 8 | .105 | | | 12-13 |
| 13 56 | 26.495 | | | 50 | 5 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 56 | 26.490 | | | 52 | 7 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 50 | 26.490 | | | 57 | 7 | 6 | SC | M45 | 1 | CI | 250 | 7 | | | | | | | | 6 | 6 | .030 | | | 15-16 |
| 16 50 | 26.480 | | | 61 | 8 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 50 | 26.470 | | | 66 | 8 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 55 | 26.460 | | | 68 | 5 | 3 | SC | 35 | 2 | AS | 150 | 5 | | | | | | | | 4 | 7 | .030 | | | 18-19 |
| 19 55 | 26.460 | | | 71 | 7 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 53 | 26.450 | | | 68 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 55 | 26.445 | | | 65 | 9 | 2 | SC | 20 | 2 | SC | 35 | 4 | 3 | AC | M75 | 7 | 2 | AS | 120 | 9 | 8 | .015 | | | 21-22 |
| 22 53 | 26.445 | | | 58 | 6 | | | | | | | | | | | | | | | 6 | | | | | 22-23 |
| 23 55 | 26.460 | | | 53 | 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 0350 | | 0 | 0 | | 42 | 41 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 43 | 41 | | 1 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 47 | 35 | | 1 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 53 | 46 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 50 | 45 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 45 | 44 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0954 | 1549 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.630 | 26.625 | 26.490 | 26.445 |
| BAROGRAPH 64 | 26.610 | 26.615 | 26.470 | 26.430 |
| BAR. CORR. 65 | +.020 | +.010 | +.020 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 35 | 0 | 0 | 0 | 43 | S | 1233 | | | | | 7 | 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 0657 SUNSET 1642

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: /0500P/2052P/

HO-83 OTS AT 0430 P. BACK IN SERVICE 0810 P.

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION WEMO, DESERT ROCK NEVADA

DATE JAN 6 1989

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 | M45 BKN 120 OVC | 15 | | | 108 | 43 | 29 | 22 | 08 | | 987 | 312 1721 | 008 |
| RS | 0158 | W4X | 1/4 | | SW+ | 133 | 34 | 29 | 05 | 17 | | 993 | APPRNT FROPA 30 SB52 | 008 |
| SP | 0215 | M15 OVC | 5 | | SW- | | | | 06 | 12 | | 992 | | 008 |
| SP | 0227 | M25 OVC | 7 | | | | | | 04 | 12 | | 992 | SE 27 | 008 |
| RS | 0250 | M65 OVC | 10 | | | 132 | 37 | 24 | 01 | 03 | | 993 | SE 27 | 008 |
| SA | 0358 | M75 BKN | 20 | | | 130 | 36 | 23 | 06 | 06 | | 992 | 01401 1070 34 | DC |
| | | | | | | | | | | | | | 20001 RADAT 37047 | |
| SA | 0456 | 75 SCT | 20 | | | 131 | 35 | 20 | 04 | 11 | | 992 | | DC |
| SA | 0554 | M75 BKN | 20 | | | 140 | 34 | 18 | 06 | 08 | | 994 | | DC |
| SA | 0656 | E85 BKN | 20 | | | 148 | 32 | 18 | 06 | 09 | | 996 | 312 1070 | DC |
| SA | 0752 | 85 SCT | 20 | | | 150 | 34 | 18 | 07 | 12 | | 997 | | DC |
| SA | 0854 | CLR | 20 | | | 153 | 37 | 15 | 04 | 09 | | 998 | | DC |
| SA | 0958 | CLR | 20 | | | 162 | 38 | 15 | 02 | 08 | | 001 | 315 1170 32 | DC |
| SA | 1050 | CLR | 20 | | | 160 | 40 | 16 | 03 | 09 | | 001 | Cu ALQDS | DC |
| SA | 1156 | 50 SCT | 20 | | | 151 | 41 | 11 | 01 | 14 | | 998 | | DC |
| SA | 1256 | 60 SCT | 20 | | | 152 | 42 | 10 | 32 | 16 | G21 | 998 | VIRGA SE / 708 1200 | DC |
| SA | 1356 | CLR | 20 | | | 161 | 41 | 8 | 35 | 16 | G24 | 000 | Cu SWU SE | DC |
| SA | 1457 | CLR | 20 | | | 166 | 41 | 8 | 36 | 15 | G20 | 001 | Cu VIRGA SE | DC |
| SA | 1550 | CLR | 20 | | | 171 | 39 | 5 | 35 | 13 | G19 | 002 | 212 1100 42 RADAT 27046 | 008 |
| SA | 1655 | CLR | 20 | | | 177 | 36 | 4 | 35 | 10 | | 003 | | 008 |
| SA | 1750 | CLR | 20 | | | 184 | 33 | 8 | 35 | 08 | | 004 | | 008 |
| SA | 1855 | CLR | 20 | | | 191 | 34 | 7 | 04 | 12 | G17 | 006 | 312 | 008 |
| SA | 1955 | CLR | 20 | | | 196 | 31 | 10 | 05 | 05 | | 007 | | 008 |
| SA | 2055 | CLR | 20 | | | 197 | 30 | 11 | 30 | 04 | | 008 | | 008 |
| SA | 2150 | CLR | 20 | | | 204 | 27 | 12 | 15 | 04 | | 009 | 212 45 | 008 |
| SA | 2255 | CLR | 20 | | | 204 | 27 | 11 | 04 | 03 | | 009 | | 008 |
| SA | 2350 | CLR | 20 | | | 202 | 25 | 11 | 05 | 08 | | 009 | | 008 |

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 6RRRt 7wwW:W: 8N: C: CuCu plus regional and national data [illegible]

NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

NORD, DESERT ROCK NEVADA

DATE JAN 6 1989

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 | 26.480 | | | 58 | 10 | 7 | COFRA | M45 | 3 | NS | 120 | 10 | | | | | | | | 10 | 3 | .035 | | | 00-01 |
| 01 58 | 26.530 | | | 82 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.530 | | | 59 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 58 | 26.520 | | | 59 | 8 | 8 | AC | M75 | | | | | | | | | | | | 8 | 0 | .040 | | | 03-04 |
| 04 56 | 26.520 | | | 54 | 4 | | | | | | | | | | | | | | | 4 | | | | | 04-05 |
| 05 54 | 26.540 | | | 52 | 7 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 56 | 26.555 | | | 56 | 7 | 7 | AC | E85 | | | | | | | | | | | | 7 | 3 | .035 | | | 06-07 |
| 07 52 | 26.565 | | | 52 | 1 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 54 | 26.575 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 58 | 26.600 | | | 39 | 0 | 0 | CU | 45 | 0 | AC | 85 | 0 | | | | | | | | 0 | 3 | .045 | | | 09-10 |
| 10 50 | 26.595 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 56 | 26.575 | | | 29 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 56 | 26.575 | | | 27 | 2 | 2 | CU | 60 | | | | | | | | | | | | 2 | 7 | .025 | | | 12-13 |
| 13 56 | 26.585 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 57 | 26.600 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.610 | | | 24 | 0 | 0 | CU | 60 | | | | | | | | | | | | 0 | 2 | .035 | | | 15-16 |
| 16 55 | 26.670 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.630 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 55 | 26.645 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | 3 | .035 | | | 18-19 |
| 19 55 | 26.660 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 55 | 26.665 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.680 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 21-22 |
| 22 55 | 26.680 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.675 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | | .01 | 0.1 | | 44 | 34 | | | | | | | | | | |
| | 0350 | 1 | .01 | 0.1 | T | 45 | 34 | | 5 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 38 | 32 | | 1 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 42 | 38 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 39 | 27 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 28 | 25 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0954 | 1549 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.600 | 26.610 | 26.680 |
| BAROGRAPH 64 | 26.500 | 26.580 | 26.580 | 26.665 |
| BAR. CORR. 65 | +.020 | +.020 | +.030 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 (0400) | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 25 | .01 | 0.1 | T | 32 | S | 0121 | | | | | 1 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| SW+ | 0152 | 0215 | | | |
| SW- | 0215 | 0227 | | | |

## 98. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0657 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: /1000P/1551P/

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: JAN 7 1989

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 202 | 24 | 11 | 22 | 04 | | 009 | 602 | DC |
| SA | 0158 | CLR | 20 | | | 206 | 22 | 13 | 07 | 03 | | 009 | | DC |
| SA | 0250 | CLR | 20 | | | 208 | 24 | 12 | 16 | 04 | | 011 | | DC |
| SA | 0358 | CLR | 20 | | | 210 | 22 | 12 | 12 | 04 | | 011 | 105 21 RADAT ZERO | DC |
| SA | 0454 | CLR | 20 | | | 215 | 23 | 11 | 00 | 00 | | 012 | | DC |
| SA | 0555 | CLR | 20 | | | 225 | 20 | 12 | 06 | 03 | | 013 | | DC |
| SA | 0657 | 120 SCT 160 SCT | 20 | | | 227 | 21 | 12 | 09 | 05 | | 014 | 210 1070 | DC |
| SA | 0750 | 120 SCT 250-BKN | 20 | | | 232 | 22 | 13 | 36 | 04 | | 015 | | DC |
| SA | 0858 | 120 SCT 250-SCT | 20 | | | 237 | 31 | 13 | 30 | 04 | | 018 | | DC |
| SA | 0956 | E150 BKN 250 OVC | 20 | | | 241 | 34 | 10 | 00 | 00 | | 019 | 217 1037 19 | DC |
| SA | 1055 | E120 OVC | 20 | | | 237 | 34 | 9 | 00 | 00 | | 018 | BINOVC | DC |
| SA | 1156 | 120 SCT E200 OVC | 20 | | | 225 | 38 | 10 | 32 | 03 | | 015 | | DC |
| SA | 1257 | 120 SCT E250 OVC | 20 | | | 216 | 40 | 10 | 27 | 05 | | 013 | CU NW / 720 1221 | DC |
| SA | 1355 | 100 SCT E250 OVC | 20 | | | 223 | 38 | 9 | 12 | 07 | | 014 | CU NW SU OBSCG | DC |
| / | | | | | | | | | | | | | MTNS SE | / |
| SA | 1458 | 100 SCT E250 BKN | 20 | | | 224 | 37 | 11 | 14 | 08 | | 015 | CU NW SU OBSCG | DC |
| / | | | | | | | | | | | | | MTN TPS SE | / |
| SA | 1550 | 100SCT 250-BKN | 20 | | | 224 | 38 | 12 | 13 | 08 | | 014 | 003 1101 42 RADAT 34042 | DC |
| SA | 1655 | 100SCT 250-BKN | 20 | | | 229 | 35 | 12 | 09 | 04 | | 015 | | DC |
| SA | 1751 | 100SCT 250 SCT | 20 | | | 246 | 31 | 11 | 010 | 04 | | 018 | | DC |
| SA | 1853 | 100SCT 250 SCT | 20 | | | 247 | 28 | 12 | 08 | 03 | | 018 | 114 1101 | DC |
| SA | 1959 | 250 SCT | 20 | | | 255 | 25 | 13 | 14 | 03 | | 020 | | DC |
| SA | 2050 | 250 SCT | 20 | | | 255 | 24 | 16 | 05 | 04 | | 022 | | DC |
| SA | 2159 | 250 SCT | 20 | | | 258 | 22 | 16 | 13 | 04 | | 023 | 114 1002 42 | DC |
| SA | 2255 | 250 SCT | 20 | | | 261 | 22 | 16 | 07 | 04 | | 024 | | DC |
| SA | 2350 | 250 SCT | 20 | | | 260 | 21 | 16 | 06 | 03 | | 025 | | 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 iw: hVV Nddff 1s TTT 2s TsTdTd 3P P P P 4PPPP 5appp 6RRRtR 7wwW1W2 8N: C: CuCu plus regional and national data groups.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE JAN 7 1989

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 | 26.675 | | | 57 | 0 | | | | | | | | | | | | | | | 0 | 6 | .005 | | | 00-01 |
| 01 58 | 26.680 | | | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.690 | | | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 58 | 26.690 | | | 65 | 0 | | | | | | | | | | | | | | | 0 | 1 | .015 | | | 03-04 |
| 04 54 | 26.695 | | | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.710 | | | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 57 | 26.720 | | | 68 | 5 | 2 | AC | 120 | 3 | AC | 160 | 5 | | | | | | | | 5 | 2 | .030 | | | 06-07 |
| 07 50 | 26.730 | | | 68 | 9 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 58 | 26.760 | | | 47 | 5 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 56 | 26.770 | | | 36 | 10 | 7 | AC | E150 | 10 | CS | 250 | 10 | | | | | | | | 7 | 2 | .050 | | | 09-10 |
| 10 55 | 26.760 | | | 35 | 10 | | | | | | | | | | | | | | | 9 | | | | | 10-11 |
| 11 56 | 26.730 | | | 31 | 10 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 57 | 26.710 | | | 29 | 10 | 6 | Cu | 60 | 2 | AS | 120 | 2 | 10 | CI | E250 | 10 | | | | 6 | 7 | .060 | | | 12-13 |
| 13 55 | 26.720 | | | 30 | 10 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 58 | 26.725 | | | 34 | 9 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 50 | 26.720 | | | 34 | 7 | 1 | cu | 100 | 6 | ci | 250 | 7 | | | | | | | | 3 | 0 | .010 | | | 15-16 |
| 16 55 | 26.730 | | | 38 | 7 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 51 | 26.760 | | | 43 | 4 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 53 | 26.760 | | | 51 | 4 | 1 | cu | 100 | 3 | ci | 250 | 4 | | | | | | | | 4 | 1 | .040 | | | 18-19 |
| 19 59 | 26.780 | | | 60 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.790 | | | 71 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 59 | 26.800 | | | 77 | 3 | 3 | ci | 250 | | | | | | | | | | | | 3 | 1 | .040 | | | 21-22 |
| 22 55 | 26.810 | | | 77 | 3 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 50 | 26.815 | | | 81 | 3 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 26 | 21 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 28 | 21 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 35 | 19 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 42 | 33 | | 0 | | | | | | | | |
| | 2158 | 4 | 0 | 0 | 0 | 38 | 22 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 23 | 20 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0953 | 1549 | 2158 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.690 | 26.770 | 26.720 | 26.800 |
| BAROGRAPH 64 | 26.680 | 26.760 | 26.710 | 26.795 |
| BAR. CORR. 65 | +.010 | +.010 | +.010 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER TOP 75 | FROZEN GROUND LAYER BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MID-NIGHT TO MID-NIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | 19 | 0 | 0 | 0 | 12 | W | 1327 | | | | | 9 | 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 0657 SUNSET 1643

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: 1070OP / 1057P /

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: JAN 8 1989

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 | 0055 | 250 SCT | 20 | | | 266 | 21 | 16 | 09 | 04 | | 027 | 212 1002 | ~~00~~ |
| SA | 0150 | CLR | 20 | | | 272 | 22 | 16 | 08 | 03 | | 028 | | ~~00~~ |
| SA | 0255 | CLR | 20 | | | 280 | 20 | 16 | 14 | 03 | | 029 | | 00~~8~~ |
| SA | 0350 | CLR | 20 | | | 282 | 20 | 15 | 10 | 06 | | 030 | 212 19 RADAT ZERO | HS |
| SA | 0450 | CLR | 20 | | | 290 | 19 | 14 | 11 | 05 | | 032 | | HS |
| SA | 0550 | CLR | 20 | | | 300 | 19 | 14 | 00 | 00 | | 034 | | HS |
| SA | 0650 | CLR | 20 | | | 311 | 17 | 14 | 10 | 05 | | 036 | 217 | HS |
| SA | 0751 | CLR | 20 | | | 321 | 23 | 15 | 13 | 04 | | 039 | | HS |
| SA | 0851 | ~~CLR~~ 250-SCT | 20 | | | 329 | 28 | 14 | 09 | 03 | | 043 | 1001 | HS |
| SA | 0952 | CLR | 20 | | | 326 | 35 | 13 | 02 | 10 | | 043 | 120 16 | HS |
| SA | 1050 | CLR | 20 | | | 324 | 37 | 10 | 02 | 13 | | 043 | | HS |
| SA | 1150 | CLR | 20 | | | 315 | 39 | 10 | 35 | 07 | | 040 | | HS |
| SA | 1250 | CLR | 20 | | | 306 | 40 | 9 | 35 | 03 | | 038 | 8 ~~20~~ 14 | HS |
| SA | 1350 | CLR | 20 | | | 301 | 42 | 10 | 27 | 07 | | 037 | | HS |
| SA | 1450 | CLR | 20 | | | 298 | 42 | 10 | 25 | 03 | | 036 | | HS |
| SA | 1553 | CLR | 20 | | | 302 | 42 | 11 | 24 | 04 | | 037 | 603 1001 43 | JS |
| | | | | | | | ~~38~~ | 9 | | | | | RADAT 3 1048 | |
| SA | 1651 | CLR | 20 | | | 298 | 38 | 9 | 29 | 03 | | 035 | | JS |
| SA | 1753 | CLR | 20 | | | 314 | 33 | 11 | 31 | 03 | | 038 | | JS |
| SA | 1852 | CLR | 20 | | | 330 | 29 | 14 | 07 | 05 | | 042 | 314 | JS |
| SA | 1953 | CLR | 20 | | | 330 | 28 | 17 | 08 | 04 | | 043 | | JS |
| SA | 2052 | CLR | 20 | | | 321 | 27 | 17 | 03 | 03 | | 041 | | JS |
| SA | 2151 | CLR | 20 | | | 320 | 26 | 17 | 05 | 06 | | 043 | 302 43 | JS |
| SA | 2252 | CLR | 20 | | | 325 | 25 | 17 | 00 | 00 | | 044 | | JS |
| SA | 2350 | CLR | 20 | | | 314 | 27 | 17 | 00 | 00 | | 041 | | 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 iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE JAN 8 1989

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 | 26.835 | | | 81 | 3 | 3 | ci | 250 | | | | | | | | | | | | 3 | 2 | .035 | | | 00-01 |
| 01 50 | 26.850 | | | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 55 | 26.860 | | | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.870 | | | 84 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 03-04 |
| 04 50 | 26.880 | | | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.900 | | | 80 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.920 | | | 87 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 51 | 26.950 | | | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.980 | | | 55 | 4 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.980 | | | 39 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 1 | .060 | | | 09-10 |
| 10 50 | 26.980 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.960 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.940 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 12-13 |
| 13 50 | 26.930 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.920 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.930 | | | 28 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .010 | | | 15-16 |
| 16 51 | 26.910 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 53 | 26.940 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.970 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 18-19 |
| 19 53 | 26.980 | | | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.965 | | | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.975 | | | 68 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 21-22 |
| 22 52 | 26.990 | | | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.965 | | | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | | 0 | 0 | | 22 | 19 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 23 | 19 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 35 | 16 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 43 | 35 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 42 | 25 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 27 | 24 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0951 | 1553 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.870 | 26.980 | 26.930 | 26.925 |
| BAROGRAPH 64 | 26.870 | 26.965 | 26.925 | 26.960 |
| BAR. CORR. 65 | 0 | +.015 | +.005 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | 16 | 0 | 0 | 0 | 15 | N | 1034 | | | | | 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 0657 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: 10700 11555 /

MF 1-10A
(5-83)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: JAN 9 1989

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 | 0053 | CLR | 20 | | | 316 | 24 | 17 | 10 | 03 | | 042 | 802 | JS |
| SA | 0153 | CLR | 20 | | | 320 | 25 | 17 | 11 | 06 | | 044 | | JS |
| SA | 0255 | CLR | 20 | | | 311 | 25 | 17 | 02 | 05 | | 041 | | JS |
| SA | 0352 | CLR | 20 | | | 302 | 25 | 18 | 00 | 00 | | 038 | 810 1002 23 | |
| | | | | | | | | | | | | | RADAT 48M038060071 | HS |
| SA | 0450 | CLR | 20 | | | 298 | 24 | 17 | 00 | 00 | | 036 | | HS |
| SA | 0550 | 250 - SCT | 20 | | | 303 | 23 | 16 | 13 | 03 | | 036 | | HS |
| SA | 0650 | 250 - BKN | 20 | | | 309 | 24 | 16 | 13 | 05 | | 037 | FEW AC 503 1002 | HS |
| SA | 0750 | 250 - BKN | 20 | | | 304 | 27 | 18 | 00 | 00 | | 036 | | HS |
| SA | 0850 | 250 - BKN | 20 | | | 312 | 30 | 17 | 14 | 06 | | 039 | | HS |
| SA | 0950 | 250 - BKN | 20 | | | 311 | 36 | 16 | 33 | 03 | | 040 | 308 1008 22 | HS |
| SA | 1050 | 250 - BKN | 20 | | | 301 | 39 | 15 | 22 | 07 | | 037 | | HS |
| SA | 1152 | 250 - OVC | 20 | | | 282 | 43 | 15 | 21 | 05 | | 037 | FEW SC SE | HS |
| SA | 1250 | 250 - OVC | 20 | | | 276 | 43 | 14 | 23 | 09 | | 030 | 729 1007 | HS |
| SA | 1350 | 250 - OVC | 20 | | | 265 | 44 | 13 | 23 | 11 | | 028 | | HS |
| SA | 1450 | 250 - OVC | 20 | | | 261 | 45 | 12 | 21 | 06 | | 027 | | HS |
| SA | 1552 | 250 - BKN | 20 | | | 266 | 44 | 11 | 21 | 08 | | 028 | 507 1008 46 RADAT | JS |
| | | | | | | | | | | | | | 20105 | |
| SA | 1651 | 250 - BKN | 20 | | | 270 | 40 | 8 | 00 | 00 | | 028 | | JS |
| SA | 1751 | 250 - SCT | 20 | | | 276 | 37 | 11 | 08 | 03 | | 029 | | JS |
| SA | 1853 | 250 - SCT | 20 | | | 277 | 33 | 16 | 07 | 04 | | 029 | 302 1008 | JS |
| SA | 1950 | 250 SCT | 20 | | | 281 | 30 | 17 | 05 | 04 | | 030 | | JS |
| SA | 2054 | 250 SCT | 20 | | | 275 | 30 | 17 | 11 | 05 | | 029 | | JS |
| SA | 2150 | CLR | 20 | | | 272 | 29 | 18 | 11 | 05 | | 029 | 000 46 | JS |
| SA | 2254 | CLR | 20 | | | 265 | 29 | 18 | 02 | 04 | | 028 | | JS |
| SA | 2350 | CLR | 20 | | | 257 | 28 | 18 | 12 | 04 | | 026 | | 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.

(4-66)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

**WSMO, DESERT ROCK, NV**

DATE JAN 9 1989

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 | 26.970 | | | 75 | 0 | | | | | | | | | | | | | | | 0 | 8 | .005 | | | 00-01 |
| 01 53 | 26.985 | | | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 55 | 26.965 | | | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.940 | | | 76 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .030 | | | 03-04 |
| 04 50 | 26.920 | | | 76 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.920 | | | 74 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.930 | | | 72 | 7 | 0 | Ac | 150 | 7 | Ci | 250 | 7 | | | | | | | | 1 | 5 | .010 | | | 06-07 |
| 07 50 | 26.920 | | | 68 | 7 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 50 | 26.945 | | | 58 | 8 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 50 | 26.955 | | | 45 | 8 | 8 | Cs | 250 | | | | | | | | | | | | 2 | 3 | .025 | | | 09-10 |
| 10 50 | 26.930 | | | 37 | 9 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 52 | 26.890 | | | 33 | 10 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 50 | 26.870 | | | 31 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 3 | 7 | .085 | | | 12-13 |
| 13 50 | 26.845 | | | 28 | 10 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.840 | | | 26 | 10 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 52 | 26.850 | | | 25 | 9 | 9 | CS | 250 | | | | | | | | | | | | 4 | 5 | .020 | | | 15-16 |
| 16 51 | 26.850 | | | 26 | 8 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 51 | 26.860 | | | 34 | 4 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 53 | 26.855 | | | 49 | 2 | 2 | CS | 250 | | | | | | | | | | | | 1 | 3 | .005 | | | 18-19 |
| 19 50 | 26.865 | | | 59 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 54 | 26.855 | | | 59 | 1 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 50 | 26.855 | | | 63 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 54 | 26.845 | | | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.830 | | | 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 0350 | X | 0 | 0 | X | 27 | 23 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 27 | 23 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 36 | 22 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 46 | 36 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 44 | 29 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 30 | 27 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0949 | 1552 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.940 | 26.955 | 26.850 | 26.855 |
| BAROGRAPH 64 | 26.935 | 26.945 | 26.850 | 26.850 |
| 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 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 | 22 | 0 | 0 | 0 | 12 | SW | 1351 | | | | | 9 | 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 0657 SUNSET 1645

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: 1085 / 1553 /

*BAROGRAPH CHANGED

U LAST of Several Occurrences

MF 1-10A
(5-83)

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

STATION WSMO, DESERT ROCK, NV

DATE JAN 10 1989

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 250 | 27 | 18 | 10 | 05 | | 024 | 8/5 | JS |
| SA | 0150 | CLR | 20 | | | 244 | 27 | 18 | 11 | 05 | | 023 | | JS |
| SA | 0251 | CLR | 20 | | | 233 | 28 | 19 | 16 | 05 | | 019 | | JS |
| SA | 0352 | CLR | 20 | | | 226 | 27 | 18 | 04 | 06 | | 017 | 720 25 RADAT 50L036 115 | HS |
| SA | 0450 | CLR | 20 | | | 220 | 26 | 18 | 04 | 05 | | 014 | | HS |
| SA | 0551 | CLR | 20 | | | 217 | 25 | 18 | 00 | 00 | | 013 | | HS |
| SA | 0652 | 250 - BKN ~~CLR~~ | 20 | | | 218 | 24 | 18 | 26 | 03 | | 012 | 617 1008 | HS |
| SA | 0750 | E250 OVC | 20 | | | 215 | 27 | 19 | 04 | 03 | | 011 | | HS |
| SA | 0851 | E250 OVC | 20 | | | 218 | 31 | 19 | 00 | 00 | | 013 | | HS |
| SA | 0952 | E250 OVC | 20 | | | 210 | 35 | 18 | 11 | 11 | | 011 | 603 1007 24 | HS |
| SA | 1052 | E250 - BKN | 20 | | | 190 | 38 | 19 | 29 | 05 | | 006 | | HS |
| SA | 1150 | 250 - BKN | 20 | | | 172 | 41 | 18 | 13 | 07 | | 001 | | HS |
| SA | 1252 | 250 - BKN | 20 | | | 162 | 44 | 17 | 30 | 03 | | 999 | CU NE 6 ~~7~~37 1108 | HS |
| SA | 1350 | 250 - SCT | 20 | | | 156 | 45 | 18 | 00 | 00 | | 997 | CU NE | HS |
| SA | 1450 | 250 - SCT | 20 | | | 146 | 45 | 18 | 12 | 07 | | 994 | CU N-NE | HS |
| SA | 1550 | 250 - SCT | 20 | | | 147 | 44 | 18 | 13 | 07 | | 995 | 612 1108 46 | JS |
| / | | | | | | | | | | | | | RADAT 56L065112 | |
| SA | 1658 | 250 - BKN | 20 | | | 156 | 40 | 17 | 09 | 07 | | 996 | Cu AIQDS | JS |
| SA | 1756 | 250 - OVC | 20 | | | 167 | 36 | 20 | 01 | 08 | | 998 | | JS |
| SA | 1850 | 250 SCT | 20 | | | 168 | 37 | 18 | 12 | 10 | | 999 | 112 1008 | JS |
| SA | 1955 | 250 - BKN | 20 | | | 183 | 38 | 20 | 03 | 18 | G32 | 004 | | JS |
| SA | 2053 | 60 ~~SC~~ SCT E250 OVC | 20 | | | 183 | 42 | 20 | 02 | 20 | G34 | 005 | | JS |
| SA | 2152 | 60 SCT E200 OVC | 20 | | | 195 | 41 | 19 | 05 | 12 | G20 | 009 | PK WND 0339/02/ | JS |
| / | | | | | | | | | | | | | 232 1508 46 | |
| SA | 2250 | 35 SCT E55 OVC | 20 | | | 208 | 40 | 15 | 05 | 18 | G26 | 013 | | JS |
| SA | 2352 | E60 OVC | 20 | | | 212 | 38 | 11 | 05 | 12 | G20 | 015 | | JS |

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

FM12-VII [illegible] TTT 2 T(T)T 3P P P P 4PPPP 5[illegible] 6RRRt 7[illegible] W W 8N C C C plus regional and national data groups

(4-80)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK, NV

DATE JAN 10 1989

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 | | | 67 | 0 | | | | | | | | | | | | | | | 0 | 8 | .045 | | | 00-01 |
| 01 50 | 26.795 | | | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.770 | | | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.750 | | | 67 | 0 | | | | | | | | | | | | | | | 0 | 7 | .060 | | | 03-04 |
| 04 50 | 26.720 | | | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.710 | | | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.700 | | | 78 | 7 | 7 | Cs | 250 | | | | | | | | | | | | 3 | 6 | .050 | | | 06-07 |
| 07 50 | 26.690 | | | 73 | 10 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 51 | 26.710 | | | 61 | 10 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 52 | 26.690 | | | 51 | 10 | 10 | Cs | E250 | | | | | | | | | | | | 8 | 6 | .010 | | | 09-10 |
| 10 52 | 26.645 | | | 45 | 9 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 50 | 26.600 | | | 39 | 8 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 52 | 26.580 | | | 34 | 7 | 0 | Cu | 50 | 7 | Cs | 250 | 7 | | | | | | | | 3 | 6 7 | .110 | | | 12-13 |
| 13 50 | 26.565 | | | 33 | 4 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.540 | | | 34 | 3 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 50 | 26.545 | | | 35 | 3 | 0 | Cu | 60 | 3 | Cs | 250 | 3 | | | | | | | | 1 | 6 | .035 | | | 15-16 |
| 16 58 | 26.555 | | | 40 | 9 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 56 | 26.575 | | | 52 | 10 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 50 | 26.580 | | | 47 | 3 | 3 | Cs | 250 | | | | | | | | | | | | 2 | 1 | .035 | | | 18-19 |
| 19 55 | 26.625 | | | 47 | 8 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 53 | 26.640 | | | 41 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 52 | 26.675 | | | 40 | 10 | 3 | Sc | 60 | 7 | Cs | E200 | 10 | | | | | | | | 10 | 2 | .095 | | | 21-22 |
| 22 50 | 26.710 | | | 36 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 52 | 26.725 | | | 32 | 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 0330 | X | 0 | 0 | X | 28 | 25 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 30 | 25 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 35 | 24 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 46 | 35 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 44 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 38 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0951 | 1550 | 2152 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.750 | 26.690 | 26.545 | 26.615 |
| BAROGRAPH 64 | 26.740 | 26.680 | 26.530 | 26.650 |
| BAR. CORR. 65 | +.010 | +.010 | +.015 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 24 | 0 | 0 | 0 | 39 | NE | 2102 | | | | | 7 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0657 SUNSET 1646

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: 10803 / 1551 /

MF 1-10A
(5-83)

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

STATION: WSMO, DESERT ROCK, NV

# SURFACE WEATHER OBSERVATIONS

DATE: JAN 11 1989

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 | 0051 | 65 SCT | 20 | | | 220 | 37 | 9 | 06 | 10 | G20 | 017 | 225 1500 | JS |
| SA | 0152 | 80 SCT | 20 | | | 227 | 36 | 6 | 04 | 11 | G20 | 019 | | JS |
| SA | 0250 | 80 SCT | 20 | | | 232 | 33 | 8 | 05 | 13 | G22 | 020 | | JS |
| SA | 0356 | CLR | 20 | | | 243 | 31 | 9 | 08 | 11 | | 023 | 317 31 RADAT 24037 | HS |
| SA | 0453 | CLR | 20 | | | 250 | 31 | 9 | 04 | 10 | G20 | 024 | | HS |
| SA | 0550 | CLR | 20 | | | 262 | 31 | 9 | 07 | 09 | | 027 | | HS |
| SA | 0650 | CLR | 20 | | | 266 | 30 | 9 | 06 | 08 | | 028 | 215 | HS |
| SA | 0751 | CLR | 20 | | | 273 | 33 | 9 | 06 | 14 | G23 | 030 | | HS |
| SA | 0851 | CLR | 20 | | | 275 | 35 | 9 | 03 | 14 | G24 | 033 | | HS |
| SA | 0953 | CLR | 20 | | | 284 | 38 | 9 | 04 | 17 | G24 | 035 | 222 30 | HS |
| SA | 1050 | CLR | 20 | | | 287 | 39 | 10 | 06 | 13 | G24 | 036 | FEW SC | HS |
| SA | 1150 | CLR | 20 | | | 282 | 41 | 10 | 03 | 15 | G24 | 035 | FEW SC | HS |
| SA | 1250 | CLR | 20 | | | 272 | 42 | 9 | 04 | 10 | G19 | 032 | FEW SC 810 1500 | HS |
| SA | 1350 | CLR | 20 | | | 273 | 42 | 7 | 03 | 14 | G24 | 032 | FEW SC | HS |
| SA | 1450 | CLR | 20 | | | 278 | 42 | 8 | 03 | 13 | G25 | 033 | FEW SC | HS |
| SA | 1552 | CLR | 20 | | | 292 | 41 | 5 | 03 | 20 | G32 | 036 | FEW SC/314 1500 43 | DCa |
| | | | | | | | | | | | | | RADAT 25048 | |
| SA | 1653 | CLR | 20 | | | 302 | 38 | 4 | 03 | 22 | G33 | 038 | FEW SC | DCa |
| SA | 1750 | CLR | 20 | | | 313 | 37 | 6 | 04 | 16 | G27 | 042 | | DCa |
| SA | 1850 | CLR | 20 | | | 327 | 35 | 10 | 06 | 10 | | 045 | 227 | DCa |
| SA | 1955 | CLR | 20 | | | 330 | 33 | 11 | 03 | 16 | | 046 | | DCa |
| SA | 2050 | CLR | 20 | | | 336 | 32 | 11 | 03 | 17 | | 048 | | DCa |
| SA | 2153 | CLR | 20 | | | 340 | 31 | 11 | 04 | 17 | | 049 | 214 43 | DCa |
| SA | 2259 | CLR | 20 | | | 346 | 30 | 11 | 04 | 17 | | 050 | | DCa |
| SA | 2350 | CLR | 20 | | | 346 | 30 | 10 | 04 | 15 | | 050 | | DCa |

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 Ndaff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data

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

NATIONAL WEATHER SERVICE

WSMO, DESERT ROCK, NV

# SURFACE WEATHER OBSERVATIONS

DATE JAN 11 1989

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 | 26.750 | | | 31 | 3 | 3 | Sc | 65 | | | | | | | | | | | | 3 | 12 | .075 | | | 00-01 |
| 01 52 | 26.770 | | | 28 | 3 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 50 | 26.775 | | | 34 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 52 | 26.800 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 3 | .050 | | | 03-04 |
| 04 53 | 26.810 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.835 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.845 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 2 | .045 | | | 06-07 |
| 07 51 | 26.870 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.885 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.910 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | 2 | .065 | | | 09-10 |
| 10 50 | 26.920 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.905 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.880 | | | 26 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 8 | ?.030 | | | 12-13 |
| 13 50 | 26.880 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.890 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.920 | | | 22 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 3 | .040 | | | 15-16 |
| 16 53 | 26.940 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.970 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 27.000 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 2 | .080 | | | 18-19 |
| 19 55 | 27.010 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 27.030 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 27.040 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 57 | 27.050 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 27.050 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0354 | X | 0 | 0 | X | 38 | 31 | X | X | | | | | | X | | |
| | 0354 | 1 | 0 | 0 | 0 | 41 | 31 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 38 | 30 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 43 | 38 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 41 | 31 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 31 | 30 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0952 | 1551 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.800 | 26.910 | 26.920 | 27.040 |
| BAROGRAPH 64 | 26.785 | 26.900 | 26.910 | 27.025 |
| BAR. CORR. 65 | +.015 | +.010 | +.010 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | 30 | 0 | 0 | 0 | 33 | NE | 1647 | | | | | 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 0656 SUNSET 1647

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: 10520/1600 PST

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

DATE **JAN 12 1989**

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 346 | 30 | 9 | 04 | 10 | | 051 | 307 | DCa |
| SA | 0150 | CLR | 20 | | | 350 | 29 | 9 | 04 | 14 | | 052 | | DCa |
| SA | 0251 | CLR | 20 | | | 353 | 29 | 9 | 04 | 16 | | 053 | | DCa |
| SA | 0353 | CLR | 20 | | | 358 | 28 | 9 | 04 | 11 | | 055 | 210 26 RADAT ZERO | MR |
| SA | 0458 | CLR | 20 | | | 364 | 26 | 10 | 04 | 12 | | 056 | | MR |
| SA | 0551 | CLR | 20 | | | 370 | 27 | 10 | 04 | 15 | | 057 | | MR |
| SA | 0653 | CLR | 20 | | | 371 | 28 | 10 | 05 | 16 | G22 | 057 | 107 | MR |
| SA | 0753 | CLR | 20 | | | 374 | 28 | 9 | 02 | 17 | | 058 | | MR |
| SA | 0853 | CLR | 20 | | | 374 | 32 | 9 | 04 | 16 | | 058 | | MR |
| SA | 0957 | CLR | 20 | | | 371 | 36 | 8 | 03 | 15 | | 058 | 103 26 | MR |
| SA | 1053 | CLR | 20 | | | 363 | 38 | 9 | 04 | 13 | | 056 | | MR |
| SA | 1152 | CLR | 20 | | | 348 | 40 | 8 | 08 | 13 | G20 | 052 | | MR |
| SA | 1257 | CLR | 20 | | | 335 | 41 | 7 | 05 | 14 | G23 | 049 | 829 | MR |
| SA | 1351 | CLR | 20 | | | 328 | 43 | 8 | 06 | 14 | | 047 | | MR |
| SA | 1452 | CLR | 20 | | | 328 | 43 | 8 | 11 | 14 | | 047 | | MR |
| SA | 1551 | CLR | 20 | | | 326 | 41 | 8 | 09 | 16 | | 046 | C1 NW/808 1001 44 RADAT | DCa |
| / | | | | | | ~~33~~ | ~~39~~ | ~~5~~ | | | | ~~046~~ | 27049 | / |
| SA | 1652 | CLR | 20 | | | 330 | 39 | 5 | 09 | 13 | | 046 | C1 NW | DCa |
| SA | 1750 | CLR | 20 | | | 336 | 35 | 8 | 05 | 09 | | 047 | | DCa |
| SA | 1850 | CLR | 20 | | | 336 | 34 | 13 | 02 | 15 | | 047 | 103 | DCa |
| SA | 1953 | CLR | 20 | | | 337 | 33 | 13 | 02 | 13 | | 047 | | DCa |
| SA | 2050 | CLR | 20 | | | 332 | 32 | 13 | 03 | 15 | | 046 | | DCa |
| SA | 2151 | CLR | 20 | | | 329 | 32 | 12 | 03 | 15 | | 046 | 603 44 | DCa |
| SA | 2255 | CLR | 20 | | | 324 | 31 | 12 | 02 | 15 | | 045 | | DCa |
| SA | 2356 | CLR | 20 | | | 320 | 30 | 12 | 02 | 15 | | 044 | | DCa |

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

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

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

U.S. GPO : 1987-754-006/61226

NATIONAL WEATHER SERVICE

WSFO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE JAN 12 1989

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 | 27.060 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 00-01 |
| 01 50 | 27.070 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 27.080 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 27.090 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | 2 | -.030 | | | 03-04 |
| 04 58 | 27.095 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 27.110 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 27.110 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 06-07 |
| 07 53 | 27.115 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 27.120 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 27.120 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 53 | 27.100 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 27.065 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 57 | 27.035 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | 8 | .085 | | | 12-13 |
| 13 51 | 27.015 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 52 | 27.015 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 57 | 27.010 | | | 25 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .025 | | | 15-16 |
| 16 52 | 27.010 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 27.020 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 27.020 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 18-19 |
| 19 53 | 27.020 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 27.010 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 27.010 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 21-22 |
| 22 55 | 27.000 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 56 | 26.990 | | | 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 | 30 | 26 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 31 | 26 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 36 | 26 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 44 | 35 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 41 | 32 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 32 | 30 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0956 | 1550 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | 27 | 27 | |
| STA. PRESS. 63 | 27.090 | 26.120 | 26.010 | 27.010 |
| BAROGRAPH 64 | 27.075 | 27.105 | 27.005 | 26.995 |
| BAR. CORR. 65 | +.015 | +.015 | +.005 | +.015 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 26 | 0 | 0 | 0 | 23 | WE | 1248 | | | | | 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 06:56 SUNSET 16:48

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 3P 1557 P

1652 / 1652

MF 1-10A
(5-83)

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

STATION WSMO, DESERT ROCK NEVADA

DATE JAN 13 1989

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 315 | 30 | 12 | 04 | 13 | | 043 | 710 | DCa |
| SA | 0150 | CLR | 20 | | | 306 | 30 | 12 | 06 | 09 | | 040 | | DCa |
| SA | 0251 | CLR | 20 | | | 306 | 29 | 12 | 05 | 10 | | 040 | | DCA |
| SA | 0352 | CLR | 20 | | | 303 | 28 | 11 | 09 | 04 | | 039 | 712 27 RADAT 20H078079 | MR |
| SA | 0452 | CLR | 20 | | | 304 | 26 | 12 | 10 | 10 | | 038 | | MR |
| SA | 0551 | CLR | 20 | | | 305 | 24 | 12 | 07 | 08 | | 037 | | MR |
| SA | 0652 | ~~CLR~~ 250 -SCT | 20 | | | 305 | 25 | 12 | 11 | 10 | | 037 | 605 1001 | MR |
| SA | 0751 | 250 -OVC | 20 | | | 306 | 28 | 12 | 08 | 03 | | 038 | | MR |
| SA | 0855 | 250 -OVC | 20 | | | 306 | 34 | 13 | 05 | 05 | | 039 | | MR |
| SA | 0953 | 250 -OVC | 20 | | | 302 | 36 | 12 | 33 | 06 | | 038 | 003 1009 23 | MR |
| SA | 1052 | 250 -OVC | 20 | | | 291 | 39 | 12 | 14 | 06 | | 036 | | MR |
| SA | 1150 | 250 -OVC | 20 | | | 271 | 40 | 10 | 13 | 13 | | 030 | | MR |
| SA | 1252 | E250 OVC | 20 | | | 260 | 42 | 10 | 14 | 13 | | 027 | 736 1004 | MR |
| SA | 1350 | 250- OVC | 20 | | 252 | ~~242~~ | 42 | 10 | 13 | 11 | | 025 | | MR |
| SA | 1453 | E250 BKN | 20 | | | 244 | 42 | 11 | 14 | 12 | | 023 | | MR |
| SA | 1550 | E250 BKN | 20 | | | 242 | 41 | 9 | 12 | 11 | | 022 | 615 1008 44 RADAT | DCa |
| | | | | | | | ~~40~~ | ~~04~~ | | | | | 29L053094 | |
| SA | 1652 | 250-BKN | 20 | | | 241 | 40 | 4 | 12 | 10 | | 020 | | DCa |
| SA | 1753 | 250-SCT | 20 | | | 237 | 36 | 3 | 11 | 08 | | 020 | | DCa |
| SA | 1852 | CLR | 20 | | | 244 | 32 | 5 | 09 | 07 | | 019 | 807 | DCa |
| SA | 1950 | CLR | 20 | | | 242 | 32 | 5 | 08 | 05 | | 019 | | DCa |
| SA | 2052 | CLR | 20 | | | 238 | 27 | 9 | 04 | 05 | | 018 | | DCa |
| SA | 2153 | CLR | 20 | | | 241 | 25 | 10 | 23 | 05 | | 019 | 500 44 | DCa |
| SA | 2254 | CLR | 20 | | | 237 | 23 | 9 | 04 | 03 | | 018 | | DCa |
| SA | 2353 | CLR | 20 | | | 232 | 25 | 9 | 06 | 05 | | 017 | | DCa |

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

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

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

U.S. GPO 1984-0-764-000/0085

# SURFACE WEATHER OBSERVATIONS

DATE JAN 13 1989

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 | 26.980 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | 7 | .030 | | | 00-01 |
| 01 50 | 26.960 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.960 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.945 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | 7 | .035 | | | 03-04 |
| 04 52 | 26.940 | | | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.930 | | | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.930 | | | 58 | 4 | 4 | C1 | 250 | | | | | | | | | | | | 0 | 6 | .015 | | | 06-07 |
| 07 51 | 26.940 | | | 52 | 10 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 55 | 26.945 | | | 42 | 10 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 53 | 26.940 | | | 37 | 10 | 10 | CC | 250 | | | | | | | | | | | | 4 | 0 | .010 | | | 09-10 |
| 10 52 | 26.915 | | | 32 | 10 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 50 | 26.865 | | | 30 | 10 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 52 | 26.835 | | | 27 | 10 | 10 | C1 | E250 | | | | | | | | | | | | 6 | 7 | .105 | | | 12-13 |
| 13 50 | 26.815 | | | 27 | 10 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 53 | 26.795 | | | 27 | 9 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 50 | 26.790 | | | 26 | 9 | 9 | C5 | E250 | | | | | | | | | | | | 8 | 6 | .045 | | | 15-16 |
| 16 52 | 26.780 | | | 22 | 8 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 53 | 26.780 | | | 35 | 2 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 52 | 26.770 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 18-19 |
| 19 50 | 26.770 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.760 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.770 | | | 52 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 21-22 |
| 22 54 | 26.760 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.750 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0349 | X | 0 | 0 | X | 30 | 27 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 32 | 27 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 37 | 23 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 44 | 35 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 44 | 24 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 26 | 22 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0952 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.945 | 26.940 | 26.790 | 26.770 |
| BAROGRAPH 64 | 26.940 | 26.940 | 26.790 | 26.775 |
| BAR. CORR. 65 | +.005 | 0* | 0 | -.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | 4AM SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 22 | 0 | 0 | 0 | 19 | SE | 1157 | | | | | 10 | 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 06:56 SUNSET 16:49

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: 10448 11557P 1

0652/0652

*BAROGRAPH CHANGED AND RESET TO ZERO CORR.

1652/1652

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 **JAN 14 1989**

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 | | | 232 | 24 | 9 | 10 | 04 | | 017 | 607 | DCa |
| SA | 0150 | CLR | 20 | | | 228 | 24 | 9 | 07 | 05 | | 016 | | DCa |
| SA | 0251 | CLR | 20 | | | 228 | 23 | 9 | 08 | 03 | | 016 | 6 | DCa |
| SA | 0354 | CLR | 20 | | | 229 | 22 | 9 | 04 | 07 | | 016 | 403 21 RADAT ZERO | MR |
| SA | 0453 | CLR | 20 | | | 227 | 22 | 9 | 14 | 06 | | 016 | | MR |
| SA | 0551 | CLR | 20 | | | 238 | 21 | 9 | 32 | 04 | | 017 | | MR |
| SA | 0650 | CLR | 20 | | | 244 | 21 | 9 | 10 | 05 | | 018 | 307 | MR |
| SA | 0752 | CLR | 20 | | | 244 | 27 | 11 | 03 | 06 | | 019 | | MR |
| SA | 0854 | CLR | 20 | | | 248 | 35 | 11 | 24 | 02 | | 022 | | MR |
| SA | 0954 | CLR | 20 | | | 256 | 38 | 9 | 14 | 04 | | 024 | 317 20 | MR |
| SA | 1052 | CLR | 20 | | | 248 | 41 | 10 | 12 | 11 | | 022 | | MR |
| SA | 1153 | CLR | 20 | | | 238 | 44 | 10 | 32 | 05 | | 020 | | MR |
| SA | 1254 | CLR | 20 | | | 227 | 44 | 9 | 11 | 08 | | 017 | 822 | MR |
| SA | 1351 | CLR | 20 | | | 222 | 45 | 9 | 17 | 07 | | 016 | | MR |
| SA | 1450 | CLR | 20 | | | 221 | 45 | 8 | 16 | 04 | | 015 | | MR |
| SA | 1550 | CLR | 20 | | | 222 | 45 | 7 | 16 | 03 | | 015 | 605 46 RADAT 27055 | DCa |
| SA | 1651 | CLR | 20 | | | 227 | 43 | 4 | 13 | 03 | | 016 | | DCa |
| SA | 1752 | CLR | 20 | | | 234 | 34 | 7 | 11 | 05 | | 018 | | DCa |
| SA | 1856 | CLR | 20 | | | 250 | 29 | 7 | 07 | 04 | | 019 | 214 | DCa |
| SA | 1951 | CLR | 20 | | | 257 | 30 | 11 | 00 | 00 | | 023 | | DCa |
| SA | 2050 | CLR | 20 | | | 259 | 31 | 11 | 25 | 04 | | 025 | | DCa |
| SA | 2153 | CLR | 20 | | | 262 | 31 | 11 | 03 | 06 | | 027 | 324 46 | DCa |
| SA | 2252 | CLR | 20 | | | 264 | 32 | 11 | 03 | 12 | | 028 | | DCa |
| SA | 2352 | CLR | 20 | | | 268 | 31 | 12 | 02 | 10 | | 029 | | DCa |

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

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_h C_L C_M C_H$ plus regional and national data groups.

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

☆U.S.GPO 198- 764-006/6085

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE JAN 14 1989

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | TYPE 23 | HEIGHT 24 | SECOND LAYER AMT. 25 | TYPE 26 | HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | TYPE 30 | HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | TYPE 34 | HEIGHT 35 | TOTAL O. PAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 54 | 26.750 | | | 52 | 0 | | | | | | | | | | | | | | 0 | 6 | .020 | | | | 00-01 |
| 01 | 50 | 26.740 | | | 52 | 0 | | | | | | | | | | | | | | 0 | | | | | | 01-02 |
| 02 | 51 | 26.740 | | | 55 | 0 | | | | | | | | | | | | | | 0 | | | | | | 02-03 |
| 03 | 54 | 26.740 | | | 59 | 0 | | | | | | | | | | | | | | 0 | 6 | .010 | | | | 03-04 |
| 04 | 53 | 26.735 | | | 58 | 0 | | | | | | | | | | | | | | 0 | | | | | | 04-05 |
| 05 | 51 | 26.750 | | | 60 | 0 | | | | | | | | | | | | | | 0 | | | | | | 05-06 |
| 06 | 50 | 26.760 | | | 60 | 0 | | | | | | | | | | | | | | 0 | 3 | .020 | | | | 06-07 |
| 07 | 52 | 26.770 | | | 51 | 0 | | | | | | | | | | | | | | 0 | | | | | | 07-08 |
| 08 | 54 | 26.790 | | | 36 | 0 | | | | | | | | | | | | | | 0 | | | | | | 08-09 |
| 09 | 54 | 26.810 | | | 29 | 0 | | | | | | | | | | | | | | 0 | 3 | .050 | | | | 09-10 |
| 10 | 52 | 26.790 | | | 28 | 0 | | | | | | | | | | | | | | 0 | | | | | | 10-11 |
| 11 | 53 | 26.775 | | | 25 | 0 | | | | | | | | | | | | | | 0 | | | | | | 11-12 |
| 12 | 54 | 26.745 | | | 24 | 0 | | | | | | | | | | | | | | 0 | 8 | .065 | | | | 12-13 |
| 13 | 51 | 26.735 | | | 23 | 0 | | | | | | | | | | | | | | 0 | | | | | | 13-14 |
| 14 | 50 | 26.730 | | | 21 | 0 | | | | | | | | | | | | | | 0 | | | | | | 14-15 |
| 15 | 50 | 26.730 | | | 21 | 0 | | | | | | | | | | | | | | 0 | 6 | .015 | | | | 15-16 |
| 16 | 51 | 26.740 | | | 20 | 0 | | | | | | | | | | | | | | 0 | | | | | | 16-17 |
| 17 | 52 | 26.760 | | | 32 | 0 | | | | | | | | | | | | | | 0 | | | | | | 17-18 |
| 18 | 56 | 26.770 | | | 39 | 0 | | | | | | | | | | | | | | 0 | 2 | .040 | | | | 18-19 |
| 19 | 51 | 26.800 | | | 45 | 0 | | | | | | | | | | | | | | 0 | | | | | | 19-20 |
| 20 | 50 | 26.820 | | | 43 | 0 | | | | | | | | | | | | | | 0 | | | | | | 20-21 |
| 21 | 53 | 26.840 | | | 43 | 0 | | | | | | | | | | | | | | 0 | 3 | .070 | | | | 21-22 |
| 22 | 52 | 26.850 | | | 41 | 0 | | | | | | | | | | | | | | 0 | | | | | | 22-23 |
| 23 | 52 | 26.860 | | | 45 | 0 | | | | | | | | | | | | | | 0 | | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0351 | X | 0 | 0 | X | 26 | 21 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 26 | 21 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 38 | 20 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 46 | 38 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 46 | 28 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 33 | 29 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0353 | 0953 | 1549 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.740 | 26.810 | 26.730 | 26.840 |
| BAROGRAPH 64 | 26.740 | 26.795 | 26.705 | 26.840 |
| BAR. CORR. 65 | 0 | +.015 | +.025 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND: SPEED (Kts.) 71 | DIRECTION 72 | TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.): TOP 75 | BASE 76 | RIVER GAGE 77 | SKY COVER: SUNRISE TO SUNSET 78 | MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 20 | 0 | 0 | 0 | 14 | SE | 1107 | | | | | 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 06:56 SUNSET 16:50

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: 10402 11555 P 1

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

DATE **JAN 15 1989**

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 275 | 29 | 12 | 17 | 07 | | 032 | 314 | Dca |
| SA | 0151 | CLR | 20 | | | 276 | 34 | 15 | 03 | 15 | | 033 | | Dca |
| SA | 0250 | CLR | 20 | | | 281 | 33 | 16 | 03 | 15 | | 034 | | Dca |
| SA | 0356 | CLR | 20 | | | 281 | 32 | 15 | 05 | 15 | | 034 | 107 28 RADAT 44052 | EP |
| SA | 0453 | CLR | 20 | | | 290 | 31 | 15 | 05 | 15 | | 036 | | EP |
| SA | 0550 | CLR | 20 | | | 306 | 29 | 14 | 06 | 07 | | 038 | | EP |
| SA | 0651 | CLR | 20 | | | 316 | 30 | 15 | 06 | 12 | | 040 | 220 | EP |
| SA | 0753 | CLR | 20 | | | 321 | 32 | 15 | 04 | 13 | | 043 | | EP |
| SA | 0851 | CLR | 20 | | | 323 | 35 | 14 | 05 | 15 | | 044 | | EP |
| SA | 0953 | CLR | 20 | | | 325 | 37 | 14 | 03 | 17 | | 045 | 114 28 | EP |
| SA | 1052 | CLR | 20 | | | 322 | 40 | 15 | 03 | 15 | | 045 | | EP |
| SA | 1152 | CLR | 20 | | | 306 | 43 | 15 | 02 | 12 | | 040 | | EP |
| SA | 1251 | CLR | 20 | | | 297 | 46 | 14 | 01 | 10 | | 038 | ~~814~~ 820 | EP |
| SA | 1350 | CLR | 20 | | | 285 | 47 | 13 | 02 | 06 | | 036 | | EP |
| SA | 1450 | CLR | 20 | | | 277 | 48 | 9 | 12 | 11 | | 034 | | EP |
| SA | 1550 | CLR | 20 | | | 281 | 48 | 9 | 13 | 08 | | 035 | 510 48 RADAT 29061 | CH |
| SA | 1650 | CLR | 20 | | | 286 | 43 | 5 | 11 | 10 | | 035 | | CH |
| SA | 1750 | CLR | 20 | | | 294 | 39 | 6 | 11 | 08 | | 036 | | CH |
| SA | 1850 | CLR | 20 | | | 303 | 37 | 9 | 05 | 08 | | 038 | 310 | CH |
| SA | 1950 | CLR | 20 | | | 301 | 37 | 9 | 04 | 12 | | 038 | | CH |
| SA | 2050 | CLR | 20 | | | 304 | 35 | 12 | 04 | 12 | | 039 | | CH |
| SA | 2150 | CLR | 20 | | | 306 | 35 | 12 | 04 | 14 | | 040 | 307 48 | CH |
| SA | 2250 | CLR | 20 | | | 305 | 35 | 12 | 03 | 12 | | 040 | | CH |
| SA | 2350 | CLR | 20 | | | 304 | 34 | 12 | 04 | 10 | | 040 | | 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 ipi$_s$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

NATIONAL WEATHER SERVICE

WSMO, DESERT ROCK NEVADA

SURFACE WEATHER OBSERVATIONS

DATE JAN 15 1989

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 | 26.880 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 00-01 |
| 01 51 | 26.890 | | | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.900 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 56 | 26.900 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 53 | 26.920 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.940 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.960 | | | 53 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 06-07 |
| 07 53 | 26.980 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.990 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 27.000 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 09-10 |
| 10 52 | 27.000 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.960 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.940 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 8 | .060 | | | 12-13 |
| 13 50 | 26.920 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.900 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.910 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | 5 | .030 | | | 15-16 |
| 16 50 | 26.910 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.920 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.940 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 18-19 |
| 19 50 | 26.940 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.950 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.960 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 50 | 26.960 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.960 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0351 | X | 0 | 0 | X | 34 | 28 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 34 | 28 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 37 | 28 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 48 | 37 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 48 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 35 | 34 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0353 | 0951 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.900 | 27.000 | 26.910 | 26.960 |
| BAROGRAPH 64 | 26.900 | 27.000 | 26.920 | 26.960 |
| BAR. CORR. 65 | 0 | 0 | -.010 | ± 0 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 28 | 0 | 0 | 0 | 21 | NE | 0939 | | | | | 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 06:56 SUNSET 16:51

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: / 0930 / 1700 /

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: JAN 16 1989

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. REPORTER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 302 | 33 | 11 | 05 | 06 | | 040 | 400 | CH |
| SA | 0150 | CLR | 20 | | | 297 | 33 | 11 | 08 | 04 | | 039 | | CH |
| SA | 0250 | CLR | 20 | | | 291 | 31 | 10 | 09 | 06 | | 037 | | CH |
| SA | 0355 | CLR | 20 | | | 286 | 32 | 11 | 09 | 07 | | 036 | 71A 30 RADAT 30076 | EP |
| SA | 0450 | CLR | 20 | | | 288 | 34 | 10 | 02 | 05 | | 036 | | EP |
| SA | 0552 | CLR | 20 | | | 295 | 32 | 11 | 12 | 04 | | 037 | | EP |
| SA | 0650 | CLR | 20 | | | 295 | 34 | 11 | 02 | 15 | | 037 | 103 | EP |
| SA | 0750 | CLR | 20 | | | 295 | 34 | 11 | 03 | 13 | | 037 | | EP |
| SA | 0852 | CLR | 20 | | | 296 | 41 | 11 | 04 | 06 | | 038 | | EP |
| SA | 0953 | CLR | 20 | | | 295 | 43 | 11 | 05 | 09 | | 040 | 310 29 | EP |
| SA | 1053 | CLR | 20 | | | 288 | 47 | 11 | 34 | 08 | | 037 | | EP |
| SA | 1151 | CLR | 20 | | | 276 | 49 | 12 | 03 | 10 | | 034 | | EP |
| SA | 1250 | CLR | 20 | | | 268 | 52 | 12 | 05 | 07 | | 032 | ~~127~~ 727 | EP |
| SA | 1350 | CLR | 20 | | | 255 | 54 | 11 | 12 | 11 | | 028 | | EP |
| SA | 1450 | CLR | 20 | | | 252 | 54 | 11 | 14 | 10 | | 027 | | EP |
| SA | 1550 | CLR | 20 | | | 251 | 54 | 11 | 14 | 10 | | 027 | 614 55 RADAT 33096 | CH |
| SA | 1650 | CLR | 20 | | | 254 | 50 | 10 | 13 | 10 | | 027 | | CH |
| SA | 1750 | CLR | 20 | | | 257 | 46 | 10 | 11 | 08 | | 027 | | CH |
| SA | 1850 | CLR | 20 | | | 261 | 44 | 12 | 02 | 10 | | 028 | 303 | CH |
| SA | 1950 | CLR | 20 | | | 269 | 44 | 12 | 04 | 12 | | 030 | | CH |
| SA | 2050 | CLR | 20 | | | 265 | 40 | 12 | 06 | 04 | | 030 | | CH |
| SA | 2150 | CLR | 20 | | | 268 | 41 | 15 | 04 | 05 | | 032 | 210 55 | CH |
| SA | 2250 | CLR | 20 | | | 269 | 35 | 15 | 01 | 06 | | 032 | | CH |
| SA | 2350 | CLR | 20 | | | 261 | 40 | 15 | 04 | 14 | | 030 | | 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 $5a_pp_p$ $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE JAN 16 1989

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 | 26.960 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 50 | 26.950 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.930 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.920 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | 7 | .040 | | | 03-04 |
| 04 50 | 26.920 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 52 | 26.930 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.930 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 06-07 |
| 07 50 | 26.930 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.940 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.960 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 09-10 |
| 10 53 | 26.930 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.900 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.880 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | 7 | ? .080 | | | 12-13 |
| 13 50 | 26.850 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.840 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.840 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | 6 | .040 | | | 15-16 |
| 16 50 | 26.840 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.840 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.850 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 18-19 |
| 19 50 | 26.870 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.870 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.880 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 21-22 |
| 22 50 | 26.880 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.870 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 61 | TIME (L.S.T.) 62 | NO. 63 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0351 | X | 0 | 0 | X | 34 | 30 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 35 | 30 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 44 | 29 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 55 | 43 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 54 | 39 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 34 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0353 | 0950 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.920 | 26.960 | 26.840 | 26.880 |
| BAROGRAPH 64 | 26.930 | 26.960 | 26.845 | 26.880 |
| 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 | 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 | 29 | 0 | 0 | 0 | 20 | NE | 2337 | | | | | 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 0655 SUNSET 1652

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 0902 / 1800 /

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

DATE JAN 17 1989

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 256 | 39 | 14 | 04 | 04 | | 029 | 807 | CH |
| SA | 0150 | CLR | 20 | | | 257 | 35 | 15 | 09 | 04 | | 029 | | CH |
| SA | 0250 | CLR | 20 | | | 255 | 39 | 15 | 03 | 15 | G20 | 029 | | CH |
| SA | 0355 | CLR | 20 | | | 247 | 39 | 16 | 11 | 05 | | 027 | 807 32 RADAT 20102 | EP |
| SA | 0450 | CLR | 20 | | | 252 | 36 | 15 | 04 | 06 | | 027 | | EP |
| SA | 0550 | CLR | 20 | | | 257 | 31 | 15 | 10 | 04 | | 027 | | EP |
| SA | 0652 | CLR | 20 | | | 266 | 32 | 15 | 07 | 06 | | 029 | 307 | EP |
| SA | 0750 | CLR | 20 | | | 267 | 42 | 17 | 03 | 10 | | 032 | | EP |
| SA | 0851 | CLR | 20 | | | 268 | 45 | 16 | 03 | 16 | | 032 | | EP |
| SA | 0957 | CLR | 20 | | | 265 | 50 | 17 | 03 | 15 | | 032 | 107 30 | EP |
| SA | 1055 | CLR | 20 | | | 264 | 51 | 18 | 03 | 15 | | 030 | | EP |
| SA | 1151 | CLR | 20 | | | 246 | 56 | 18 | 04 | 10 | | 027 | | EP |
| SA | 1253 | CLR | 20 | | | 233 | 60 | 18 | 08 | 08 | | 024 | 824 | EP |
| SA | 1352 | CLR | 20 | | | 231 | 60 | 19 | 01 | 08 | | 023 | | EP |
| SA | 1450 | CLR | 20 | | | 228 | 61 | 19 | 02 | 11 | | 023 | | EP |
| SA | 1550 | CLR | 20 | | | 227 | 62 | 18 | 07 | 08 | | 023 | 603 62 | CH |
| SA | 1650 | CLR | 20 | | | 232 | 57 | 16 | 04 | 08 | | 023 | | CH |
| SA | 1750 | CLR | 20 | | | 246 | 52 | 18 | 02 | 10 | | 025 | RADAT 20111 | CH |
| SA | 1850 | CLR | 20 | | | 259 | 49 | 17 | 05 | 10 | | 028 | 317 | CH |
| SA | 1950 | CLR | 20 | | | 257 | 49 | 17 | 05 | 12 | | 029 | | CH |
| SA | 2050 | CLR | 20 | | | 258 | 44 | 17 | 05 | 07 | | 029 | | CH |
| SA | 2150 | CLR | 20 | | | 260 | 48 | 15 | 05 | 12 | | 032 | 210 62 | CH |
| SA | 2250 | CLR | 20 | | | 260 | 48 | 15 | 04 | 16 | | 032 | | CH |
| SA | 2350 | CLR | 20 | | | 262 | 46 | 14 | 05 | 12 | | 033 | | 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 ipi-hVV Nddff 1s-TTT 2s-TdTdTd 3P-PoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

NATIONAL WEATHER SERVICE

WSMO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE JAN 17 1989

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 | 26.860 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 00-01 |
| 01 50 | 26.860 | | | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.860 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.840 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 03-04 |
| 04 50 | 26.840 | | | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.840 | | | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.860 | | | 49 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 50 | 26.880 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.880 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.880 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 09-10 |
| 10 55 | 26.870 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.840 | | | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.810 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | 8 | .070 | | | 12-13 |
| 13 52 | 26.800 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.800 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.800 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 15-16 |
| 16 50 | 26.800 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.820 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.850 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | 3 | .050 | | | 18-19 |
| 19 50 | 26.860 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.860 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.880 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 21-22 |
| 22 50 | 26.880 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.890 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0351 | | 0 | 0 | | 42 | 32 | | | | | | | | | | |
| | 0351 | 1 | 0 | 0 | 0 | 42 | 32 | | 0 | | | | | | | | |
| | 0953 | 2 | 0 | 0 | 0 | 51 | 30 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 62 | 48 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 62 | 44 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 48 | 45 | | | | | | | | | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0353 | 0955 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.840 | 26.880 | 26.800 | 26.880 |
| BAROGRAPH 64 | 26.850 | 26.910 | 26.800 | 26.880 |
| BAR. CORR. 65 | -.010 | -.030 | ± 0 | ± 0 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND: SPEED (Kts.) 71 | PEAK WIND: DIRECTION 72 | PEAK WIND: TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.): TOP 75 | FROZEN GROUND LAYER (Ins.): BASE 76 | RIVER GAGE 77 | SKY COVER: SUNRISE TO SUNSET 78 | SKY COVER: MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 30 | 0 | 0 | 0 | 25 | NE | 2327 | | | | | 0 | 0 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 98. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0655 SUNSET 1653

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 0845 1 2010 1

MF 1-10A
(5-83)

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

STATION **WSMO, DESERT ROCK NEVADA**

DATE JAN 18 1989

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 259 | 48 | 14 | 04 | 15 | | 033 | 103 | CH |
| SA | 0150 | CLR | 20 | | | 259 | 47 | 14 | 04 | 18 | | 033 | | CH |
| SA | 0250 | CLR | 20 | | | 257 | 48 | 14 | 04 | 16 | | 033 | | CH |
| SA | 0354 | CLR | 20 | | | 258 | 45 | 15 | 06 | 09 | | 033 | 400 44 RADAT 37M093100117 | EP |
| SA | 0450 | CLR | 20 | | | 258 | 45 | 15 | 05 | 14 | | 032 | | EP |
| SA | 0550 | CLR | 20 | | | 261 | 43 | 15 | 04 | 14 | | 032 | | EP |
| SA | 0652 | CLR | 20 | | | 267 | 43 | 16 | 05 | 16 | | 033 | 500 | EP |
| SA | 0750 | CLR | 20 | | | 270 | 44 | 16 | 05 | 15 | | 034 | | EP |
| SA | 0853 | CLR | 20 | | | 276 | 49 | 16 | 05 | 17 | | 036 | | EP |
| SA | 0954 | CLR | 20 | | | 274 | 51 | 16 | 05 | 14 | | 036 | 110 43 | EP |
| SA | 1058 | CLR | 20 | | | 265 | 55 | 16 | 05 | 13 | | 034 | | EP |
| SA | 1150 | CLR | 20 | | | 257 | 57 | 16 | 04 | 13 | | 032 | | EP |
| SA | 1252 | CLR | 20 | | | 243 | 60 | 16 | 05 | 12 | | 028 | 824 | EP |
| SA | 1351 | CLR | 20 | | | 238 | 62 | 17 | 04 | 11 | | 027 | | EP |
| SA | 1450 | CLR | 20 | | | 229 | 63 | 17 | 05 | 12 | | 025 | | EP |
| SA | 1550 | CLR | 20 | | | 235 | 62 | 16 | 09 | 08 | | 026 | 507 63 RADAT 20113 | CH |
| SA | 1650 | CLR | 20 | | | 239 | 57 | 16 | 07 | 08 | | 026 | | CH |
| SA | 1750 | CLR | 20 | | | 242 | 53 | 20 | 04 | 12 | | 026 | | CH |
| SA | 1850 | CLR | 20 | | | 247 | 50 | 20 | 03 | 16 | | 027 | 303 | CH |
| SA | 1950 | CLR | 20 | | | 248 | 48 | 20 | 02 | 16 | | 027 | | CH |
| SA | 2050 | CLR | 20 | | | 250 | 47 | 20 | 03 | 15 | | 028 | | CH |
| SA | 2150 | CLR | 20 | | | 253 | 46 | 19 | 04 | 15 | | 029 | 307 63 | CH |
| SA | 2250 | CLR | 20 | | | 255 | 46 | 19 | 04 | 17 | | 030 | | CH |
| SA | 2350 | CLR | 20 | | | 249 | 46 | 19 | 04 | 15 | | 029 | | CH |
| ~~SA~~ | | ~~CLR~~ | ~~20~~ | | | | | | | | | | | |

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 1sgTTT 2sgTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtp 7wwW1W2 8NhCLCMCH plus regional and national data groups.

(4-62)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE JAN 13 1989

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 | 26.890 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 50 | 26.890 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.890 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.890 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 50 | 26.880 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.880 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.890 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 06-07 |
| 07 50 | 26.900 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.920 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.920 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 10 58 | 26.900 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.880 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.850 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | 8 | .070 | | | 12-13 |
| 13 51 | 26.840 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.820 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.830 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 5 | .020 | | | 15-16 |
| 16 50 | 26.830 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.830 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.840 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 18-19 |
| 19 50 | 26.840 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.850 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.860 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 50 | 26.870 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.860 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0349 | X | 0 | 0 | X | 49 | 45 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 49 | 45 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 51 | 43 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 63 | 51 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 62 | 46 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 48 | 46 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0952 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.890 | 26.920 | 26.830 | 26.860 |
| BAROGRAPH 64 | 26.890 | 26.930 | 26.825 | 26.860 |
| BAR. CORR. 65 | 0 | -.010 | +.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 | 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 | 43 | 0 | 0 | 0 | 26 | NE | 0230* | | | | | 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 0655 SUNSET 1654

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: 10845 / 1811 /

* LAST OF SEVERAL OCCURRANCES

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: JAN 19 1989

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 | | | 244 | 47 | 20 | 04 | 15 | | 028 | 803 | CH |
| SA | 0150 | CLR | 20 | | | 238 | 48 | 20 | 05 | 16 | | 027 | | CH |
| SA | 0250 | CLR | 20 | | | 233 | 48 | 20 | 05 | 15 | | 026 | | CH |
| SA | 0350 | CLR | 20 | | | 233 | 49 | 21 | 05 | 13 | | 026 | 607 45 RADAT 20109 | SH |
| SA | 0449 | CLR | 20 | | | 234 | 48 | 21 | 04 | 15 | | 026 | | SH |
| SA | 0551 | CLR | 20 | | | 240 | 46 | 21 | 05 | 17 | | 026 | | SH |
| SA | 0654 | 250 - SCT | 20 | | | 246 | 44 | 21 | 05 | 15 | | 027 | 303 1001 | SH |
| SA | 0751 | 250 - BKN | 20 | | | 249 | 47 | 21 | 05 | 14 | | 028 | | SH |
| SA | 0852 | 250 - SCT | 20 | | | 253 | 50 | 21 | 04 | 14 | G20 | 029 | | SH |
| SA | 0953 | CLR | 20 | | | 256 | 54 | 21 | 05 | 15 | | 030 | 210 1001 44 | SH |
| SA | 1051 | CLR | 20 | | | 249 | 57 | 21 | 03 | 14 | | 029 | FEW CI | SH |
| SA | 1150 | CLR | 20 | | | 236 | 61 | 21 | 10 | 11 | | 026 | CI SW | SH |
| SA | 1252 | CLR | 20 | | | 224 | 64 | 20 | 09 | 12 | | 024 | 722 1001 | SH |
| SA | 1351 | CLR | 20 | | | 217 | 66 | 20 | 13 | 10 | | 022 | CI SW | SH |
| SA | 1450 | CLR | 20 | | | 212 | 67 | 19 | 10 | 12 | | 020 | CI SW | SH |
| SA | 1554 | CLR | 20 | | | 210 | 64 | 20 | 11 | 12 | | 019 | FEW CI SW / 612 | JP |
| / | | | | | | | | | | 100 | / | 67 | RADAT 20111 | / |
| SA | 1655 | 250 - SCT | 20 | | | 216 | 60 | 20 | 11 | 09 | | 020 | | JP |
| SA | 1753 | 250 - SCT | 20 | | | 231 | 55 | 21 | 07 | 08 | | 024 | | JP |
| SA | 1857 | CLR | 20 | | | 236 | 55 | 23 | 07 | 15 | | 025 | FEW CI / 217 1001 | JP |
| SA | 1954 | CLR | 20 | | | 236 | 53 | 22 | 04 | 15 | | 025 | | JP |
| SA | 2058 | CLR | 20 | | | 240 | 50 | 22 | 04 | 13 | | 026 | FEW CI | JP |
| SA | 2157 | CLR | 20 | | | 241 | 49 | 22 | 05 | 13 | | 027 | FEW CI / 307 1001 67 | JP |
| SA | 2256 | CLR | 20 | | | 241 | 47 | 22 | 05 | 13 | | 027 | FEW CI | JP |
| SA | 2355 | CLR | 20 | | | 240 | 47 | 22 | 05 | 13 | | 027 | FEW CI | 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.

NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

DATE JAN 19 1989

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 | 26.850 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 00-01 |
| 01 50 | 26.840 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.830 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.830 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 03-04 |
| 04 49 | 26.825 | | | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.830 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.840 | | | 39 | 5 | 5 | CI | 250 | | | | | | | | | | | | 1 | 3 | .010 | | | 06-07 |
| 07 51 | 26.850 | | | 35 | 6 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 52 | 26.860 | | | 32 | 3 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.870 | | | 28 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 2 | .030 | | | 09-10 |
| 10 51 | 26.860 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.830 | | | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.805 | | | 18 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 7 | .065 | | | 12-13 |
| 13 51 | 26.790 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.780 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 54 | 26.770 | | | 18 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 6 | .035 | | | 15-16 |
| 16 55 | 26.780 | | | 21 | 1 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 53 | 26.810 | | | 26 | 1 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 57 | 26.820 | | | 29 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 2 | .050 | | | 18-19 |
| 19 54 | 26.830 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 58 | 26.830 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 57 | 26.840 | | | 34 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 56 | 26.840 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.840 | | | 37 | 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 | 49 | 45 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 49 | 45 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 54 | 44 | | 0 | | | | | | | | |
| | 1552 | 3 | 0 | 0 | 0 | 67 | 54 | | 0 | | | | | | | | |
| | 2155 | 4 | 0 | 0 | 0 | 64 | 49 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 49 | 47 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0951 | 1554 | 2157 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.830 | 26.870 | 26.770 | 26.840 |
| BAROGRAPH 64 | 26.830 | 26.865 | 26.775 | 26.820 |
| BAR. CORR. 65 | 0 | +.005 | -.005 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | 44 | 0 | 0 | 0 | 24 | NE | 0312 | | | | | 1 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 98. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0654 SUNSET 1655

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

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

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 1070OP / 1632P /

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 20 JAN 1989

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 | | | 234 | 47 | 21 | 04 | 13 | | 026 | 803 | JP |
| SA | 0158 | CLR | 20 | | | 232 | 47 | 21 | 04 | 14 | | 026 | FEW C1 | JP |
| SA | 0250 | CLR | 20 | | | 228 | 47 | 21 | 04 | 14 | | 025 | FEW C1 | JP |
| SA | 0350 | 250 - SCT | 20 | | | 231 | 46 | 20 | 06 | 08 | | 025 | 603 1001 44 | SH |
| | — | | — | | | — | | | | | | — | RADAT 20106 | — |
| SA | 0452 | 250 - SCT | 20 | | | 236 | 47 | 20 | 06 | 06 | | 026 | | SH |
| SA | 0554 | 250 - SCT | 20 | | | 243 | 46 | 20 | 03 | 10 | | 027 | | SH |
| SA | 0650 | 250 - BKN | 20 | | | 248 | 44 | 20 | 05 | 09 | | 028 | 210 1001 | SH |
| SA | 0752 | 250 - BKN | 20 | | | 251 | 46 | 21 | 05 | 07 | | 029 | | SH |
| SA | 0852 | 250 - BKN | 20 | | | 254 | 52 | 20 | 06 | 05 | | 030 | | SH |
| SA | 0951 | 250 - BKN | 20 | | | 257 | 54 | 21 | 12 | 08 | | 032 | 210 1008 43 | SH |
| SA | 1051 | 250 - OVC | 20 | | | 249 | 57 | 21 | 12 | 11 | | 029 | | SH |
| SA | 1154 | 250 - BKN | 20 | | | 232 | 59 | 20 | 12 | 12 | | 025 | | SH |
| SA | 1254 | 250 - OVC | 20 | | | 224 | 60 | 20 | 13 | 12 | | 023 | 727 1007 | SH |
| SA | 1354 | 250 - OVC | 20 | | | 217 | 60 | 21 | 11 | 13 | | 020 | | SH |
| SA | 1450 | 250 - OVC | 20 | | | 213 | 60 | 21 | 13 | 11 | | 019 | | SH |
| SA | 1554 | 250 - OVC | 20 | | | 210 | 60 | 19 | 10 | 13 | | 018 | 614 1007 61 | JP |
| | | | | | | | | | | | | | RADAT 21109 | |
| SA | 1655 | 250 - OVC | 20 | | | 211 | 56 | 18 | 10 | 08 | | 018 | | JP |
| SA | 1757 | 250 - OVC | 20 | | | 219 | 51 | 19 | 11 | 07 | | 019 | | JP |
| SA | 1857 | 250 - OVC | 20 | | | 226 | 48 | 19 | 11 | 10 | | 020 | 307 1007 | JP |
| SA | 1958 | 250 - BKN | 20 | | | 225 | 46 | 19 | 10 | 09 | | 020 | | JP |
| SA | 2057 | 250 - BKN | 20 | | | 224 | 42 | 18 | 04 | 08 | | 020 | | JP |
| SA | 2159 | 250 - BKN | 20 | | | 226 | 42 | 18 | 36 | 04 | | 022 | 303 1008 61 | JP |
| SA | 2255 | 250 - BKN | 20 | | | 220 | 45 | 20 | 13 | 04 | | 020 | | JP |
| SA | 2357 | 250 - OVC | 20 | | | 219 | 44 | 19 | 11 | 03 | | 020 | | 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 iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCl CMCH plus regional and national data groups.

NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

DATE 20 JAN 1989

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 | 26.830 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 8 | 010 | | | 00-01 |
| 01 58 | 26.830 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.820 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26820 | | | 36 | 3 | 3 | CI | 250 | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 52 | 26830 | | | 34 | 3 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.840 | | | 35 | 4 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 50 | 26.850 | | | 38 | 6 | 6 | CI | 250 | | | | | | | | | | | | 1 | 2 | .030 | | | 06-07 |
| 07 52 | 26.860 | | | 36 | 8 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 52 | 26.870 | | | 29 | 8 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 51 | 26.880 | | | 27 | 8 | 8 | CS | 250 | | | | | | | | | | | | 1 | 2 | .030 | | | 09-10 |
| 10 51 | 26860 | | | 24 | 10 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 54 | 26.820 | | | 22 | 7 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 54 | 26.800 | | | 21 | 10 | 10 | CS | 250 | | | | | | | | | | | | 1 | 7 | .080 | | | 12-13 |
| 13 54 | 26.780 | | | 21 | 10 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.770 | | | 22 | 10 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 54 | 26.760 | | | 20 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 6 | 040 | | | 15-16 |
| 16 55 | 26.760 | | | 22 | 10 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 51 | 26.770 | | | 28 | 10 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 57 | 26.780 | | | 31 | 10 | 10 | CS | 250 | | | | | | | | | | | | 3 | 3 | 020 | | | 18-19 |
| 19 58 | 26.780 | | | 34 | 8 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 57 | 26.780 | | | 38 | 7 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 59 | 26.790 | | | 38 | 6 | 6 | CS | 250 | | | | | | | | | | | | 1 | 3 | 010 | | | 21-22 |
| 22 55 | 26.780 | | | 37 | 7 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 57 | 26.780 | | | 37 | 10 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 47 | 44 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 49 | 44 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 54 | 43 | | 0 | | | | | | | | |
| | 1552 | 3 | 0 | 0 | 0 | 61 | 54 | | 0 | | | | | | | | |
| | 2157 | 4 | 0 | 0 | 0 | 60 | 42 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 41 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0950 | 1554 | 2159 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.820 | 26.880 | 26.760 | 26.790 |
| BAROGRAPH 64 | 26.820 | 26.870 | 26.760 | 26.780 |
| BAR. CORR. 65 | 0 | +.010 | 0 | +010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 41 | 0 | 0 | 0 | 20 | SE | 1324 | | | | | 9 | 7 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 98. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0654 SUNSET 1656

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

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

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 1626P/1310P/

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: 21 JAN 1989

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 | 0058 | 250-OVC | 20 | | | 216 | 42 | 20 | 09 | 03 | | 019 | 707 1007 | JP |
| SA | 0155 | 250-OVC | 20 | | | 212 | 41 | 20 | 05 | 07 | | 018 | | JP |
| SA | 0250 | 250-OVC | 20 | | | 213 | 40 | 19 | 09 | 05 | | 018 | | JP |
| SA | 0351 | 250-OVC | 20 | | | 210 | 41 | 20 | 11 | 04 | | 017 | 707 1007 39 | SH |
| | — | | — | | | — | | | | | | - | RADAT 26096 | — |
| SA | 0450 | 250-OVC | 20 | | | 212 | 40 | 20 | 00 | 00 | | 017 | | SH |
| SA | 0551 | E250 OVC | 20 | | | 210 | 41 | 20 | 00 | 00 | | 016 | | SH |
| SA | 0652 | E250 OVC | 20 | | | 215 | 43 | 20 | 05 | 04 | | 017 | 500 1007 | SH |
| SA | 0755 | E250 OVC | 20 | | | 220 | 42 | 21 | 12 | 04 | | 018 | | SH |
| SA | 0849 | E200 OVC | 20 | | | 222 | 45 | 21 | 20 | 04 | | 019 | | SH |
| SA | 0952 | E200 OVC | 20 | | | 221 | 50 | 21 | 04 | 08 | | 019 | 107 1007 39 | SH |
| SA | 1048 | E200 OVC | 20 | | | 211 | 52 | 20 | 34 | 04 | | 017 | | SH |
| SA | 1152 | E200 OVC | 20 | | | 200 | 55 | 20 | 02 | 03 | | 015 | | SH |
| SA | 1253 | E200 OVC | 20 | | | 189 | 55 | 20 | 05 | 08 | | 011 | 727 1007 | SH |
| SA | 1354 | E200 OVC | 20 | | | 180 | 57 | 20 | 14 | 08 | | 008 | | SH |
| SA | 1448 | E200 OVC | 20 | | | 177 | 57 | 20 | 12 | 08 | | 007 | | SH |
| SA | 1555 | E200 OVC | 20 | | | 174 | 55 | 20 | 13 | 11 | | 006 | 614 1007 58 | JP |
| / | / | | | | | | | | | | | | RADAT 25097 | / |
| SA | 1654 | 200-OVC | 20 | | | 171 | 53 | 20 | 12 | 13 | | 005 | | JP |
| SA | 1753 | 200-BKN | 20 | | | 174 | 48 | 21 | 10 | 06 | | 005 | | JP |
| SA | 1854 | 200-BKN | 20 | | | 177 | 46 | 21 | 04 | 05 | | 006 | 500 1008 | JP |
| SA | 1956 | 200-SCT | 20 | | | 179 | 44 | 21 | 11 | 11 | | 006 | | JP |
| SA | 2054 | 200-SCT | 20 | | | 188 | 40 | 20 | 08 | 06 | | 008 | | JP |
| SA | 2153 | 200-SCT | 20 | | | 181 | 40 | 20 | 35 | 04 | | 007 | 003 1008 58 | JP |
| SA | 2256 | 200-SCT | 20 | | | 177 | 37 | 20 | 11 | 06 | | 006 | | JP |
| SA | 2352 | 200-SCT | 20 | | | 170 | 35 | 19 | 35 | 04 | | 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 iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

(4-61)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE 21 JAN 1989

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 58 | 26.770 | | | 41 | 10 | 10 | CS | 250 | | | | | | | | | | | | 3 | 7 | 020 | | | 00-01 |
| 01 55 | 26.760 | | | 43 | 10 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 50 | 26.760 | | | 43 | 10 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 51 | 26.750 | | | 41 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 7 | .020 | | | 03-04 |
| 04 50 | 26.750 | | | 44 | 10 | | | | | | | | | | | | | | | 5 | | | | | 04-05 |
| 05 51 | 26.740 | | | 43 | 10 | | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 52 | 26.750 | | | 40 | 10 | 10 | CS | E250 | | | | | | | | | | | | 8 | 5 | .000 | | | 06-07 |
| 07 55 | 26.760 | | | 43 | 10 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 49 | 26.765 | | | 38 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 52 | 26.770 | | | 31 | 10 | 10 | CS | E200 | | | | | | | | | | | | 10 | 1 | .020 | | | 09-10 |
| 10 48 | 26.750 | | | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 52 | 26.725 | | | 25 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 53 | 26.690 | | | 26 | 10 | 10 | CS | E200 | | | | | | | | | | | | 10 | 7 | .080 | | | 12-13 |
| 13 54 | 26.670 | | | 23 | 10 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 48 | 26.660 | | | 23 | 10 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 55 | 26.650 | | | 25 | 10 | 10 | CS | E200 | | | | | | | | | | | | 7 | 6 | 040 | | | 15-16 |
| 16 54 | 26.640 | | | 27 | 10 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 53 | 26.640 | | | 34 | 9 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 54 | 26.650 | | | 37 | 9 | 9 | CS | 200 | | | | | | | | | | | | 2 | 5 | 000 | | | 18-19 |
| 19 56 | 26.650 | | | 40 | 4 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 54 | 26.670 | | | 44 | 2 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 53 | 26.660 | | | 44 | 2 | 2 | CS | 200 | | | | | | | | | | | | 1 | 0 | 010 | | | 21-22 |
| 22 56 | 26.650 | | | 50 | 2 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 52 | 26.630 | | | 52 | 1 | | | | | | | | | | | | | | | 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 0349 | X | 0 | 0 | X | 46 | 39 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 50 | 39 | | 0 | | | | | | | | |
| | 1553 | 3 | 0 | 0 | 0 | 58 | 50 | | 0 | | | | | | | | |
| | 2151 | 4 | 0 | 0 | 0 | 55 | 39 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 40 | 34 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0950 | 1555 | 2153 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.750 | 26.770 | 26.650 | 26.660 |
| BAROGRAPH 64 | 26.750 | 26.760 | 26.650 | 26.660 |
| 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'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 34 | 0 | 0 | 0 | 16 | SE | 1647 | | | | | 10 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 98. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0653 SUNSET 1657

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

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

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 1030P/1721P/

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: 22 JAN 1989

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 | 0059 | 200 - BKN | 20 | | | 174 | 35 | 20 | 09 | 03 | | 005 | 507 1008 | JP |
| SA | 0158 | 200 - OVC | 20 | | | 171 | 36 | 20 | 11 | 04 | | 005 | | JP |
| SA | 0250 | 200 - OVC | 20 | | | 170 | 33 | 20 | 12 | 06 | | 004 | | JP |
| SA | 0350 | 200 - BKN | 20 | | | 160 | 32 | 19 | 34 | 05 | | 001 | 814 1008 31 RADAT 23098 | AO |
| SA | 0450 | 200 - BKN | 20 | | | 161 | 33 | 19 | 09 | 08 | | 001 | | AO |
| SA | 0550 | 200 - BKN | 20 | | | 163 | 32 | 19 | 07 | 05 | | 001 | | AO |
| SA | 0650 | 200 - OVC | 20 | | | 165 | 33 | 20 | 00 | 00 | | 001 | 400 1007 | AO |
| SA | 0750 | 200 - OVC | 20 | | | 163 | 37 | 21 | 19 | 04 | | 001 | | AO |
| SA | 0850 | 200 - OVC | 20 | | | 161 | 39 | 21 | 36 | 04 | | 000 | | AO |
| SA | 0950 | 200 - OVC | 20 | | | 160 | 48 | 22 | 36 | 05 | | 001 | 500 1007 31 | AO |
| SA | 1050 | E 200 OVC | 20 | | | 151 | 50 | 21 | 34 | 04 | | 999 | | AO |
| SA | 1150 | E 200 OVC | 20 | | | 145 | 51 | 22 | 11 | 09 | | 996 | | AO |
| SA | 1250 | 150 SCT E 200 OVC | 20 | | | 125 | 52 | 23 | 11 | 11 | | 991 | 830 1028 | AO |
| SA | 1350 | 150 SCT E 200 OVC | 20 | | | 117 | 51 | 23 | 12 | 14 | | 988 | | AO |
| SA | 1450 | 150 SCT E 200 OVC | 20 | | | 117 | 51 | 23 | 12 | 15 | | 987 | | AO |
| SA | 1558 | E 180 OVC | 20 | | | 113 | 50 | 23 | 11 | 11 | | 986 | 614 101/ 52 | DC |
| | | | | | | | | | | | | | RADAT 39L086 096 102 | |
| SA | 1655 | E 180 OVC | 20 | | | 113 | 48 | 23 | 03 | 04 | | 986 | | DC |
| SA | 1752 | E 180 OVC | 20 | | | 119 | 44 | 22 | 33 | 06 | | 987 | | DC |
| SA | 1851 | E 180 OVC | 20 | | | 120 | 45 | 23 | 13 | 03 | | 987 | 303 101/ | DC |
| SA | 1956 | E 180 OVC | 20 | | | 113 | 42 | 23 | 08 | 04 | | 986 | | DC |
| SA | 2057 | E 200 OVC | 20 | | | 114 | 40 | 23 | 06 | 07 | | 986 | | DC |
| SA | 2157 | 160 SCT E 250 OVC | 20 | | | 105 | 39 | 23 | 13 | 06 | | 985 | BINOVC W / 707 1077 | DC |
| | | | | | | | | | | | | | 52 | |
| SA | 2253 | 250 - SCT | 20 | | | 100 | 39 | 23 | 12 | 04 | | 984 | ACSL SE | DC |
| SA | 2358 | CLR | 20 | | | 103 | 36 | 22 | 07 | 04 | | 985 | ACSL SE | DC |

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

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE 22 JAN 1989

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 | | | 54 | 9 | 9 | CS | 200 | | | | | | | | | | | | 3 | 5 | .020 | | | 00-01 |
| 01 58 | 26.640 | | | 52 | 10 | | | | | | | | | | | | | | | 4 | | | | | 01-02 |
| 02 50 | 26.630 | | | 59 | 10 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 50 | 26.600 | | | 58 | 7 | 7 | CS | 200 | | | | | | | | | | | | 1 | 8 | .040 | | | 03-04 |
| 04 50 | 26.600 | | | 56 | 7 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 50 | 26.600 | | | 58 | 8 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 50 | 26.600 | | | 58 | 10 | 10 | CS | 200 | | | | | | | | | | | | 4 | 4 | .000 | | | 06-07 |
| 07 50 | 26.600 | | | 52 | 10 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 50 | 26.590 | | | 48 | 10 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 50 | 26.600 | | | 36 | 10 | 10 | CS | 200 | | | | | | | | | | | | 4 | 5 | .000 | | | 09-10 |
| 10 50 | 26.580 | | | 32 | 10 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 50 | 26.560 | | | 32 | 10 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 50 | 26.510 | | | 32 | 10 | 2 | AS | 150 | 8 | CS | E200 | 10 | | | | | | | | 9 | 8 | .090 | | | 12-13 |
| 13 50 | 26.490 | | | 33 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 50 | 26.480 | | | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 58 | 26.470 | | | 34 | 10 | 10 | AS | E180 | | | | | | | | | | | | 10 | 6 | .040 | | | 15-16 |
| 16 55 | 26.470 | | | 37 | 10 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 52 | 26.475 | | | 41 | 10 | | | | | | | | | | | | | | | 9 | | | | | 17-18 |
| 18 51 | 26.480 | | | 42 | 10 | 10 | AS | E180 | | | | | | | | | | | | 8 | 3 | .010 | | | 18-19 |
| 19 56 | 26.465 | | | 47 | 10 | | | | | | | | | | | | | | | 8 | | | | | 19-20 |
| 20 57 | 26.465 | | | 50 | 10 | | | | | | | | | | | | | | | 7 | | | | | 20-21 |
| 21 57 | 26.460 | | | 52 | 10 | 2 | AC | 160 | 10 | CS | E250 | 10 | | | | | | | | 7 | 7 | .020 | | | 21-22 |
| 22 53 | 26.450 | | | 52 | 1 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 58 | 26.455 | | | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 37 | 31 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 40 | 31 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 48 | 31 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 52 | 48 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 50 | 39 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 40 | 35 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1554 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.600 | 26.470 | 26.460 |
| BAROGRAPH 64 | 26.600 | 26.590 | 26.470 | 26.455 |
| BAR. CORR. 65 | 0 | +.010 | 0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | 4AM SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 * | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 31 | 0 | 0 | 0 | 17 | SE | 1428 | | | | | 10 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0653 SUNSET 1658

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

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

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 0500 / 2000 / /

* LAST OF SEVERAL OCCURRENCES

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: JAN 23, 1989

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 | | | 103 | 34 | 22 | 09 | 04 | | 984 | 703 | DC |
| SA | 0155 | CLR | 20 | | | 097 | 32 | 21 | 00 | 00 | | 982 | | DC |
| SA | 0250 | 250 - SCT | 20 | | | 095 | 33 | 22 | 00 | 00 | | 982 | | DC |
| SA | 0350 | 250 - BKN | 20 | | | 094 | 33 | 22 | 09 | 03 | | 981 | 610 1006 30 RADAT 24090 | AD |
| SA | 0450 | 250 - BKN | 20 | | | 097 | 30 | 22 | 36 | 07 | | 981 | | AD |
| SA | 0550 | 250 - BKN | 20 | | | 098 | 32 | 22 | 33 | 04 | | 981 | | AD |
| SA | 0650 | 250 SCT | 20 | | | 099 | 35 | 23 | 00 | 00 | | 982 | 303 1008 | AD |
| SA | 0750 | E250 BKN | 20 | | | 103 | 37 | 22 | 02 | 06 | | 983 | | AD |
| SA | 0850 | E250 OVC | 20 | | | 110 | 42 | 23 | 30 | 04 | | 985 | | AD |
| SA | 0950 | E 250 OVC | 20 | | | 114 | 47 | 22 | 00 | 00 | | 987 | 217 1007 29 | AD |
| SA | 1050 | E 250 OVC | 20 | | | 109 | 50 | 24 | 12 | 10 | | 986 | | AD |
| SA | 1150 | 150 SCT E240 OVC | 20 | | | 101 | 53 | 24 | 00 | 00 | | 984 | | AD |
| SA | 1250 | 150 SCT E230 OVC | 20 | | | 095 | 54 | 23 | 00 | 00 | | 982 | 717 1028 | AD |
| SA | 1350 | 150 SCT E220 OVC | 20 | | | 091 | 54 | 23 | 10 | 05 | | 981 | | AD |
| SA | 1450 | 80 SCT 150 SCT E200 OVC | 20 | | | 094 | 54 | 22 | 00 | 00 | | 982 | | AD |
| SA | 1558 | E150 OVC | 20 | | | 097 | 53 | 22 | 00 | 00 | | 983 | 302 101/ 55 | DC |
| | | | | | | | | | | | | | RADAT 55073 | |
| SA | 1657 | E150 OVC | 20 | | | 101 | 50 | 21 | 14 | 04 | | 983 | | DC |
| SA | 1758 | 150 - BKN | 20 | | | 110 | 43 | 22 | 04 | 04 | | 984 | | DC |
| SA | 1854 | 200 - SCT | 20 | | | 111 | 40 | 23 | 04 | 05 | | 985 | 207 1008 | DC |
| SA | 1953 | 150 SCT E200 OVC | 20 | | | 113 | 38 | 22 | 02 | 04 | | 985 | | DC |
| SA | 2058 | E150 OVC | 20 | | | 112 | 42 | 22 | 00 | 00 | | 986 | | DC |
| SA | 2158 | E150 OVC | 20 | | | 113 | 41 | 23 | 12 | 04 | | 987 | 308 101/ 55 | DC |
| SA | 2257 | E150 BKN 200 OVC | 20 | | | 105 | 44 | 21 | 03 | 13 | | 986 | | DC |
| SA | 2357 | 150 SCT E200 BKN | 20 | | | 104 | 45 | 21 | 05 | 11 | | 986 | | DC |

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

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

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE JAN 23, 1989

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 | 26.450 | | | 61 | 0 | | | | | | | | | | | | | | | 0 | 7 | .010 | | | 00-01 |
| 01 55 | 26.430 | | | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.425 | | | 64 | 3 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.420 | | | 64 | 7 | 7 | CS | 250 | | | | | | | | | | | | 2 | 6 | .030 | | | 03-04 |
| 04 50 | 26.420 | | | 72 | 8 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 50 | 26.420 | | | 66 | 6 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 50 | 26.430 | | | 61 | 4 | 4 | CS | 250 | | | | | | | | | | | | 3 | 3 | .010 | | | 06-07 |
| 07 50 | 26.440 | | | 54 | 8 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 50 | 26.460 | | | 47 | 10 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 50 | 26.480 | | | 37 | 10 | 10 | CS | 6250 | | | | | | | | | | | | 9 | 2 | .050 | | | 09-10 |
| 10 50 | 26.470 | | | 36 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 50 | 26.450 | | | 32 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 50 | 26.430 | | | 30 | 10 | 4 | AS | 150 | 6 | CS | E230 | 10 | | | | | | | | 10 | 7 | .050 | | | 12-13 |
| 13 50 | 26.420 | | | 30 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.430 | | | 28 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 58 | 26.435 | | | 30 | 10 | 10 | AS | E150 | | | | | | | | | | | | 9 | 3 | .005 | | | 15-16 |
| 16 57 | 26.440 | | | 32 | 10 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 58 | 26.450 | | | 43 | 8 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 54 | 26.455 | | | 50 | 4 | 4 | CS | 200 | | | | | | | | | | | | 1 | 2 | .020 | | | 18-19 |
| 19 53 | 26.460 | | | 52 | 10 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 58 | 26.470 | | | 45 | 10 | | | | | | | | | | | | | | | 8 | | | | | 20-21 |
| 21 58 | 26.480 | | | 49 | 10 | 10 | AS | E150 | | | | | | | | | | | | 7 | 3 | .025 | | | 21-22 |
| 22 57 | 26.470 | | | 40 | 10 | | | | | | | | | | | | | | | 8 | | | | | 22-23 |
| 23 57 | 26.470 | | | 38 | 9 | | | | | | | | | | | | | | | 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 0350 | X | 0 | 0 | X | 36 | 30 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 40 | 30 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 47 | 29 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 55 | 47 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 53 | 38 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 40 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1554 | 2154 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.420 | 26.480 | 26.435 | 26.480 |
| BAROGRAPH 64 | 26.410 | 26.470 | 26.425 | 26.470 |
| BAR. CORR. 65 | +.010 | +.010 | +.010 | +.010 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 29 | 0 | 0 | 0 | 17 | NE | 2249 | | | | | 10 | 8 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 98. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0652 SUNSET 1659

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: / 0800 / 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: JAN 24, 1989

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 | 150 SCT E200 OVC | 20 | | | 104 | 44 | 21 | 03 | 06 | | 986 | 603 1017 | DC |
| SA | 0155 | 200 - BKN | 20 | | | 102 | 42 | 22 | 05 | 14 | | 986 | | DC |
| SA | 0251 | 200 - SCT | 20 | | | 099 | 42 | 22 | 05 | 14 | | 985 | | DC |
| SA | 0350 | CLR | 20 | | | 100 | 41 | 22 | 04 | 15 | | 985 | 503 ~~48~~ 38 RADAT 45074 | AD |
| SA | 0450 | CLR | 20 | | | 105 | 40 | 22 | 04 | 14 | G22 | 985 | | AD |
| SA | 0550 | CLR | 20 | | | 112 | 40 | 21 | 04 | 16 | | 986 | | AD |
| SA | 0652 | 200 - SCT | 20 | | | 127 | 38 | 21 | 03 | 12 | | 990 | 314 1006 | AD |
| SA | 0750 | E200 BKN | 20 | | | 131 | 40 | 20 | 03 | 16 | | 991 | | AD |
| SA | 0850 | 200 - BKN | 20 | | | 130 | 43 | 20 | 05 | 16 | G23 | 992 | | AD |
| SA | 0950 | 200 SCT | 20 | | | 136 | 42 | 20 | 05 | 15 | | 993 | 210 1008 38 | AD |
| SA | 1050 | 200 - BKN | 20 | | | 131 | 47 | 21 | 05 | 13 | | 993 | | AD |
| SA | 1150 | E200 BKN | 20 | | | 121 | 49 | 22 | 03 | 12 | | 991 | | AD |
| SA | 1250 | 140 SCT E200 BKN | 20 | | | 108 | 51 | 22 | 02 | 11 | | 987 | 817 1078 | AD |
| SA | 1350 | 120 SCT E200 OVC | 20 | | | 111 | 50 | 22 | 03 | 10 | | 987 | | AD |
| SA | 1450 | 120 SCT E200 OVC | 20 | | | 111 | 50 | 21 | 01 | 12 | | 987 | | AD |
| SA | 1558 | 180 - OVC | 20 | | | 115 | 50 | 20 | 05 | 14 | | 988 | SWW OMTNS SE ACSL SW | DC |
| | | | | | | | | | | | | | / 303 1247 51 | |
| | | | | | | | | | | | | | RADAT 53065 | |
| SA | 1655 | 200 - BKN | 20 | | | 120 | 47 | 20 | 04 | 14 | | 990 | FEW CU SC | DC |
| SA | 1756 | 60 SCT | 20 | | | 135 | 42 | 14 | 05 | 16 | | 993 | | DC |
| SA | 1856 | CLR | 20 | | | 144 | 40 | 12 | 05 | 21 | G26 | 994 | 217 | DC |
| SA | 1958 | 120 SCT | 20 | | | 155 | 38 | 14 | 05 | 16 | | 997 | | DC |
| SA | 2055 | CLR | 20 | | | 155 | 37 | 13 | 05 | 18 | | 999 | | DC |
| SA | 2151 | CLR | 20 | | | 166 | 36 | 11 | 05 | 17 | G21 | 001 | 220 51 | DC |
| SA | 2256 | CLR | 20 | | | 170 | 34 | 11 | 02 | 18 | | 003 | | DC |
| SA | 2358 | CLR | 20 | | | 174 | 33 | 10 | 03 | 18 | G24 | 004 | | DC |

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

NATIONAL WEATHER SERVICE

WMO, DESERT ROCK NEVADA

# SURFACE WEATHER OBSERVATIONS

DATE JAN 24, 1989

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 55 | 26.470 | | | 40 | 10 | 1 | AS | 150 | 10 | CS | E200 | 10 | | | | | | | | 7 | 6 | .010 | | | 00-01 |
| 01 55 | 26.465 | | | 45 | 9 | | | | | | | | | | | | | | | 4 | | | | | 01-02 |
| 02 51 | 26.455 | | | 45 | 2 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.460 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 03-04 |
| 04 50 | 26.460 | | | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.470 | | | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.500 | | | 50 | 3 | 3 | CS | 200 | | | | | | | | | | | | 1 | 3 | .040 | | | 06-07 |
| 07 50 | 26.510 | | | 44 | 7 | | | | | | | | | | | | | | | 6 | | | | | 07-08 |
| 08 50 | 26.520 | | | 40 | 7 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 50 | 26.530 | | | 41 | 4 | 4 | CS | 200 | | | | | | | | | | | | 3 | 2 | .030 | | | 09-10 |
| 10 50 | 26.530 | | | 35 | 7 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 50 | 26.510 | | | 34 | 7 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 50 | 26.480 | | | 32 | 8 | 3 | AC | 140 | 5 | CS | E200 | 8 | | | | | | | | 7 | 8 | .050 | | | 12-13 |
| 13 50 | 26.480 | | | 33 | 10 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 50 | 26.480 | | | 31 | 10 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 58 | 26.490 | | | 30 | 10 | 0 | CU | 60 | 0 | ARSL | 120 | 0 | 10 | CS | 180 | 10 | | | | 3 | 3 | .010 | | | 15-16 |
| 16 55 | 26.500 | | | 34 | 7 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 56 | 26.530 | | | 32 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 56 | 26.540 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 18-19 |
| 19 58 | 26.570 | | | 37 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 55 | 26.580 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.600 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 21-22 |
| 22 56 | 26.620 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 58 | 26.630 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0350 | X | 0 | 0 | X | 45 | 40 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 45 | 40 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 43 | 38 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 51 | 42 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 50 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 36 | 33 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1554 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.460 | 26.530 | 26.490 | 26.600 |
| BAROGRAPH 64 | 26.460 | 26.520 | 26.495 | 26.600 |
| BAR. CORR. 65 | 0 | +.010 | -.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 | 4 PM 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 | 27 | NE | 2021 | | | | | 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 0652 SUNSET 1700

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

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

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 0500 / 1800 / /

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: JAN 25, 1989

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 | 0057 | CLR | 20 | | | 184 | 32 | 8 | 04 | 16 | | 007 | 219 | DC |
| SA | 0158 | CLR | 20 | | | 190 | 31 | 8 | 05 | 13 | | 008 | | DC |
| SA | 0255 | CLR | 20 | | | 190 | 33 | 6 | 05 | 13 | G21 | 009 | | DC |
| SA | 0350 | CLR | 20 | | | 193 | 32 | 4 | 06 | 15 | | 009 | 108 30 RAOAT 23037 | AO |
| SA | 0450 | CLR | 20 | | | 196 | 31 | 2 | 05 | 21 | | 009 | | AO |
| SA | 0550 | CLR | 20 | | | 206 | 31 | 0 | 03 | 15 | | 012 | | AO |
| SA | 0650 | CLR | 20 | | | 215 | 31 | -1 | 05 | 15 | | 014 | 314 | AO |
| SA | 0750 | CLR | 20 | | | 223 | 32 | -1 | 05 | 17 | | 016 | | AO |
| SA | 0850 | CLR | 20 | | | 230 | 35 | -2 | 06 | 16 | | 018 | | AO |
| SA | 0950 | CLR | 20 | | | 233 | 38 | -4 | 05 | 15 | | 019 | 217 30 | AO |
| SA | 1050 | CLR | 20 | | | 232 | 41 | -5 | 04 | 16 | | 019 | | AO |
| SA | 1150 | CLR | 20 | | | 223 | 44 | -5 | 05 | 12 | | 017 | | AO |
| SA | 1250 | CLR | 20 | | | 216 | 46 | -6 | 02 | 16 | | 015 | 814 | AO |
| SA | 1350 | CLR | 20 | | | 205 | 48 | -6 | 04 | 14 | | 013 | | AO |
| SA | 1450 | CLR | 20 | | | 204 | 49 | -5 | 03 | 14 | | 013 | | AO |
| SA | 1555 | CLR | 20 | | | 209 | 48 | -6 | 04 | 11 | | 014 | 503 49 RADAT 20060 | [illegible] |
| SA | 1651 | CLR | 20 | | | 221 | 44 | -8 | 05 | 12 | | 016 | | [illegible] |
| SA | 1751 | CLR | 20 | | | 235 | 39 | -7 | 05 | 14 | | 019 | | [illegible] |
| SA | 1851 | CLR | 20 | | | 240 | 37 | -1 | 02 | 17 | | 020 | 120 | [illegible] |
| SA | 1950 | CLR | 20 | | | 245 | 35 | 1 | 03 | 16 | | 022 | | [illegible] |
| SA | 2051 | CLR | 20 | | | 247 | 35 | 1 | 04 | 17 | | 023 | | [illegible] |
| SA | 2154 | CLR | 20 | | | 252 | 34 | 1 | 04 | 16 | | 025 | 314 49 | [illegible] |
| SA | 2252 | CLR | 20 | | | 257 | 34 | 1 | 03 | 17 | | 027 | | [illegible] |
| SA | 2352 | CLR | 20 | | | 254 | 34 | 2 | 06 | 17 | | 026 | | [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 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

NATIONAL WEATHER SERVICE

WSMO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE JAN 25, 1989

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 | 26.655 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 2 | .055 | | | 00-01 |
| 01 58 | 26.670 | | | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 55 | 26.675 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.680 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | 1 | .025 | | | 03-04 |
| 04 50 | 26.680 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.700 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.720 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 50 | 26.740 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.760 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.770 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 09-10 |
| 10 50 | 26.770 | | | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.750 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.730 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 12-13 |
| 13 50 | 26.710 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.710 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 55 | 26.720 | | | 10 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 15-16 |
| 16 51 | 26.740 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.770 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 51 | 26.780 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | 1 | .060 | | | 18-19 |
| 19 50 | 26.790 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.800 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.820 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 21-22 |
| 22 52 | 26.835 | | | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.830 | | | 25 | 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 | | 33 | 30 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 36 | 30 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 38 | 30 | | 0 | | | | | | | | |
| | 1551 | 3 | | 0 | 0 | 49 | 38 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 48 | 34 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 35 | 33 | | | | | | | | | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1555 | 2154 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.680 | 26.770 | 26.720 | 26.820 |
| BAROGRAPH 64 | 26.680 | 26.770 | 26.730 | 26.820 |
| BAR. CORR. 65 | 0 | 0 | -.010 | 0 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 4AM SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 30 | 0 | 0 | 0 | 25 | NE | 2033 | | | | | 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 0651 SUNSET 1701

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

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

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 0500 / 1646 / /

*MICRO BAROGRAPH CHART CHANGED 0955 PST.

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: JAN. 26-1989

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 | 0051 | CLR | 20 | | | 253 | 33 | 2 | 03 | 17 | | 026 | 003 | [illegible] |
| SA | 0153 | CLR | 20 | | | 255 | 34 | 3 | 03 | 20 | G25 | 027 | | [illegible] |
| SA | 0250 | CLR | 20 | | | 254 | 33 | 4 | 04 | 17 | G22 | 027 | | [illegible] |
| SA | 0358 | CLR | 20 | | | 250 | 32 | 3 | 03 | 16 | | 026 | 000 32 RADAT ZERO | RD |
| SA | 0452 | CLR | 20 | | | 255 | 31 | 4 | 03 | 18 | | 027 | | RD |
| SA | 0553 | CLR | 20 | | | 264 | 30 | 4 | 04 | 17 | | 028 | | RD |
| SA | 0655 | CLR | 20 | | | 272 | 30 | 4 | 03 | 14 | | 029 | 210 | RD |
| SA | 0755 | CLR | 20 | | | 274 | 33 | 5 | 02 | 19 | | 030 | | RD |
| SA | 0854 | CLR | 20 | | | 275 | 36 | 5 | 06 | 13 | | 032 | | RD |
| SA | 0957 | CLR | 20 | | | 270 | 42 | 4 | 09 | 15 | | 030 | 003 29 | RD |
| SA | 1055 | CLR | 20 | | | 266 | 46 | 5 | 03 | 12 | | 029 | | RD |
| SA | 1156 | CLR | 20 | | | 250 | 48 | 3 | 10 | 18 | | 026 | | RD |
| SA | 1258 | CLR | 20 | | | 238 | 51 | 2 | 06 | 20 | | 023 | 724 | RD |
| SA | 1352 | CLR | 20 | | | 226 | 52 | 1 | 07 | 19 | | 020 | | RD |
| SA | 1453 | CLR | 20 | | | 224 | 53 | -1 | 09 | 12 | | 019 | | RD |
| SA | 1552 | CLR | 20 | | | 227 | 52 | -2 | 11 | 12 | | 019 | 610 1070 53 RADAT 20070 | [illegible] |
| SA | 1656 | CLR | 20 | | | 234 | 48 | -2 | 11 | 09 | | 020 | | [illegible] |
| SA | 1755 | CLR | 20 | | | 241 | 43 | 1 | 07 | 07 | | 022 | | [illegible] |
| SA | 1851 | CLR | 20 | | | 245 | 42 | 7 | 05 | 12 | | 023 | 210 | [illegible] |
| SA | 1955 | CLR | 20 | | | 245 | 41 | 9 | 04 | 14 | | 023 | | [illegible] |
| SA | 2056 | CLR | 20 | | | 239 | 41 | 10 | 05 | 17 | | 022 | | [illegible] |
| SA | 2150 | CLR | 20 | | | 232 | 40 | 10 | 04 | 13 | | 020 | 807 53 | [illegible] |
| SA | 2257 | CLR | 20 | | | 231 | 38 | 10 | 05 | 14 | | 020 | | [illegible] |
| SA | 2355 | CLR | 20 | | | 220 | 39 | 10 | 04 | 13 | | 018 | | [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 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

NATIONAL WEATHER SERVICE

WSMO, DESERT ROCK NEVADA

## SURFACE WEATHER OBSERVATIONS

DATE JAN. 26-1989

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 | 26.830 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 00-01 |
| 01 53 | 26.840 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.840 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.830 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 54 | 26.835 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.845 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.860 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 55 | 26.870 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.880 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.870 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 09-10 |
| 10 55 | 26.860 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 56 | 26.830 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 58 | 26.800 | | | 13 | 0 | | | | | | | | | | | | | | | 0 | 7 | .070 | | | 12-13 |
| 13 52 | 26.780 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 53 | 26.770 | | | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.770 | | | 11 | 0 | 0 | Ac | 150 | | | | | | | | | | | | 0 | 6 | .030 | | | 15-16 |
| 16 56 | 26.780 | | | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.790 | | | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 51 | 26.800 | | | 23 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 18-19 |
| 19 55 | 26.800 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 56 | 26.790 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.780 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 21-22 |
| 22 57 | 26.780 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.760 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0351 | X | 0 | 0 | X | 35 | 32 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 35 | 32 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 42 | 29 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 53 | 42 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 52 | 40 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 40 | 38 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0952 | 1548 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.830 | 26.870 | 26.770 | 26.780 |
| BAROGRAPH 64 | 26.835 | 26.880 | 26.780 | 26.780 |
| BAR. CORR. 65 | -.005 | -.010 | -.010 | 0 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 29 | 0 | 0 | 0 | 25 | NE | 0148 | | | | | 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 0651 SUNSET 1702

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: 1064 2 / 1600 1

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: JAN. 27-1989

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 | | | 211 | 40 | 10 | 05 | 18 | | 016 | 814 | [illegible] |
| SA | 0155 | CLR | 20 | | | 210 | 40 | 10 | 03 | 13 | | 016 | | [illegible] |
| SA | 0250 | CLR | 20 | | | 204 | 38 | 9 | 06 | 12 | | 014 | | [illegible] |
| SA | 0357 | CLR | 20 | | | 186 | 39 | 8 | 04 | 14 | | 012 | 814 38 | RD |
| SA | 0452 | CLR | 20 | | | 197 | 37 | 9 | 04 | 16 | | 012 | RADAT 33083/1220 | RD |
| SA | 0556 | CLR | 20 | | | 201 | 38 | 9 | 06 | 15 | | 012 | | RD |
| SA | 0657 | CLR | 20 | | | 204 | 38 | 8 | 04 | 09 | | 013 | 302 10~~4~~5 0 | RD |
| SA | 0755 | CLR | 20 | | | 208 | 41 | 10 | 11 | 03 | | 014 | AC NW | RD |
| SA | 0854 | CLR | 20 | | | 208 | 45 | 11 | 08 | 04 | | 015 | | RD |
| SA | 0954 | CLR | 20 | | | 210 | 48 | 9 | 02 | 13 | | 016 | 310 1001 36 | RD |
| SA | 1050 | 200 SCT | 20 | | | 204 | 52 | 7 | 17 | 04 | | 014 | | RD |
| SA | 1154 | 200 - SCT | 20 | | | 184 | 56 | 7 | 25 | 05 | | 009 | | RD |
| SA | 1252 | 200 - BKN | 20 | | | 177 | 57 | 8 | 29 | 06 | | 007 | 724 1001 | RD |
| SA | 1353 | 200 - BKN | 20 | | | 171 | 56 | 8 | 22 | 10 | | 006 | | RD |
| SA | 1456 | E200 BKN | 20 | | | 168 | 56 | 9 | 20 | 08 | | 005 | | RD |
| SA | 1553 | E 200 BKN | 20 | | | 170 | 56 | 10 | 23 | 09 | | 005 | 508 1002 58 RADAT 20090 | [illegible] |
| SA | 1658 | 200 SCT | 20 | | | 174 | 52 | 7 | 22 | 06 | | 005 | | [illegible] |
| SA | 1754 | 200 SCT | 20 | | | 183 | 48 | 9 | 34 | 06 | | 007 | | [illegible] |
| SA | 1855 | 200 SCT | 20 | | | 190 | 42 | 9 | 03 | 10 | | 008 | 310 1002 | [illegible] |
| SA | 1953 | CLR | 20 | | | 190 | 41 | 9 | 03 | 11 | | 008 | | [illegible] |
| SA | 2053 | CLR | 20 | | | 189 | 39 | 9 | 08 | 03 | | 008 | | [illegible] |
| SA | 2150 | CLR | 20 | | | 190 | 39 | 9 | 35 | 05 | | 009 | 303 58 | [illegible] |
| SA | 2253 | CLR | 20 | | | 197 | 35 | 8 | 17 | 05 | | 012 | | [illegible] |
| SA | 2350 | 220 - BKN | 20 | | | 193 | 39 | 10 | 06 | 05 | | 012 | | [illegible] |

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

FM12-VII: IIiii $i_R i_X h$VV Nddff 1$s_n$TTT 2$s_n T_d T_d T_d$ 3$P_0 P_0 P_0 P_0$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_h C_L C_M C_H$ plus regional and national data groups.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE JAN. 27-1989

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 | 26.740 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 00-01 |
| 01 55 | 26.740 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.720 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 57 | 26.700 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 03-04 |
| 04 52 | 26.695 | | | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 56 | 26.700 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 57 | 26.705 | | | 30 | 0 | 0 | Ac | 120 | | | | | | | | | | | | 0 | 3 | .005 | | | 06-07 |
| 07 55 | 26.720 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.725 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.735 | | | 20 | 0 | 0 | Ci | 200 | | | | | | | | | | | | 0 | 3 | .030 | | | 09-10 |
| 10 50 | 26.720 | | | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 54 | 26.680 | | | 14 | 5 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 52 | 26.665 | | | 14 | 6 | 6 | Ci | 200 | | | | | | | | | | | | 2 | 7 | .070 | | | 12-13 |
| 13 53 | 26.645 | | | 14 | 6 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 56 | 26.635 | | | 15 | 8 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 53 | 26.640 | | | 16 | 7 | 7 | Ci | E200 | | | | | | | | | | | | 5 | 5 | .025 | | | 15-16 |
| 16 58 | 26.640 | | | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 54 | 26.660 | | | 20 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 55 | 26.670 | | | 25 | 2 | 2 | Ci | 200 | | | | | | | | | | | | 2 | 3 | .030 | | | 18-19 |
| 19 53 | 26.670 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 53 | 26.670 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.680 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 21-22 |
| 22 53 | 26.700 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.700 | | | 30 | 7 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 61 | TIME (L.S.T.) 62 | NO. 63 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0352 | | 0 | 0 | | 40 | 38 | | | | | | | | | | |
| | 0352 | 1 | 0 | 0 | 0 | 40 | 38 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 48 | 36 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 58 | 47 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 56 | 37 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 45 | 34 | | | | | | | | | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0356 | 0953 | 1553 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.735 | 26.640 | 26.680 |
| BAROGRAPH 64 | 26.695 | 26.735 | 26.625 | 26.680 |
| BAR. CORR. 65 | +.005 | 0 | +.015 | 0 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 34 | 0 | 0 | 0 | 21 | SW | 1258 | | | | | 3 | 2 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0650 SUNSET 1703

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: 1050 2/1617/

0657/0659

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: JAN. 28-1989

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | 220 SCT | 20 | | | 198 | 36 | 11 | 36 | 03 | | 013 | 110 1002 | [illegible] |
| SA | 0155 | 220-SCT | 20 | | | 194 | 37 | 12 | 07 | 08 | | 012 | | [illegible] |
| SA | 0250 | 220-SCT | 20 | | | 190 | 39 | 14 | 04 | 09 | | 012 | | [illegible] |
| SA | 0353 | 220 -SCT | 20 | | | 195 | 37 | 14 | 05 | 13 | | 013 | 502 1002 33 RADAT 20102 | RD |
| SA | 0452 | 220 -SCT | 20 | | | 201 | 40 | 15 | 06 | 09 | | 013 | | RD |
| SA | 0554 | 220 -SCT | 20 | | | 204 | 39 | 15 | 04 | 13 | | 014 | | RD |
| SA | 0655 | 220 -SCT | 20 | | | 46 | 39 | 14 | 04 | 11 | | 016 | 312 1002 | RD |
| SA | 0752 | CLR | 20 | | | 225 | 37 | 15 | 02 | 15 | | 018 | | RD |
| SA | 0855 | CLR | 20 | | | 229 | 43 | 15 | 03 | 18 | | 019 | | RD |
| SA | 0957 | 200 SCT | 20 | | | 226 | 47 | 14 | 02 | 14 | | 020 | 112 1005 33 | RD |
| SA | 1051 | 200 SCT | 20 | | | 226 | 49 | 14 | 03 | 06 | | 020 | | RD |
| SA | 1154 | 200 SCT | 20 | | | 218 | 51 | 12 | 09 | 12 | | 018 | | RD |
| SA | 1254 | 200 SCT | 20 | | | 212 | 51 | 11 | 07 | 06 | | 016 | 812 1008 | RD |
| SA | 1351 | CLR | 20 | | | 199 | 53 | 11 | 01 | 10 | | 013 | | RD |
| SA | 1450 | CLR | 20 | | | 194 | 54 | 9 | 04 | 11 | | 012 | | RD |
| SA | 1553 | CLR | 20 | | | 195 | 55 | 8 | 04 | 10 | | 012 | 614 1001 55 RADAT 20078 | [illegible] |
| SA | 1650 | CLR | 20 | | | 199 | 52 | 6 | 03 | 09 | | 013 | CI NW | [illegible] |
| SA | 1755 | CLR | 20 | | | 211 | 45 | 5 | 03 | 09 | | 015 | | [illegible] |
| SA | 1850 | CLR | 20 | | | 216 | 45 | 11 | 03 | 15 | | 016 | 214 | [illegible] |
| SA | 1950 | CLR | 20 | | | 224 | 44 | 11 | 04 | 14 | | 018 | | [illegible] |
| SA | 2058 | CLR | 20 | | | 227 | 42 | 12 | 03 | 14 | | 019 | | [illegible] |
| SA | 2153 | CLR | 20 | | | 227 | 42 | 12 | 03 | 15 | | 020 | 214 55 | [illegible] |
| SA | 2255 | CLR | 20 | | | 226 | 42 | 12 | 04 | 15 | | 020 | | [illegible] |
| SA | 2353 | CLR | 20 | | | 232 | 42 | 12 | 05 | 14 | | 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 Iliii $i_p i_x hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

(4-8L)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

## WSMO, DESERT ROCK NEVADA

DATE JAN. 28-1989

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 53 | 26.710 | | | 35 | 3 | 3 | Ci | 220 | | | | | | | | | | | | 2 | 1 | .030 | | | 00-01 |
| 01 55 | 26.700 | | | 35 | 3 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.695 | | | 36 | 3 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.705 | | | 39 | 3 | 3 | Ci | 220 | | | | | | | | | | | | 1 | 5 | .005 | | | 03-04 |
| 04 52 | 26.710 | | | 36 | 3 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 54 | 26.715 | | | 37 | 2 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.740 | | | 36 | 1 | 1 | Ci | 220 | | | | | | | | | | | | 0 | 3 | .035 | | | 06-07 |
| 07 52 | 26.755 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.770 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.775 | | | 26 | 3 | 3 | Ci | 200 | | | | | | | | | | | | 1 | 1 | .035 | | | 09-10 |
| 10 51 | 26.775 | | | 24 | 5 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 54 | 26.755 | | | 21 | 5 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 54 | 26.740 | | | 20 | 4 | 4 | Cs | 200 | | | | | | | | | | | | 3 | 8 | .035 | | | 12-13 |
| 13 51 | 26.705 | | | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.700 | | | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.700 | | | 15 | 0 | 0 | Ci | 200 | | | | | | | | | | | | 0 | 6 | .040 | | | 15-16 |
| 16 50 | 26.710 | | | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 55 | 26.730 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.740 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 18-19 |
| 19 50 | 26.760 | | | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 58 | 26.770 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.780 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 55 | 26.780 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.800 | | | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

### SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 43 | 33 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 45 | 33 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 47 | 35 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 55 | 46 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 55 | 42 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 43 | 40 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0956 | 1553 | 2155 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.765 | 26.775 | 26.700 | 26.780 |
| BAROGRAPH 64 | 26.705 | 26.775 | 26.700 | 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 33 | 0 | 0 | 0 | 23 | NE | 0902 | | | | | 2 | 1 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0649 SUNSET 1705

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

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

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 1040 / 1540 /

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: JAN. 29-1989

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 235 | 39 | 12 | 01 | 13 | | 023 | 107 | MR |
| SA | 0153 | CLR | 20 | | | 232 | 40 | 12 | 04 | 15 | | 023 | CI SE | MR |
| SA | 0252 | CLR | 20 | | | 232 | 39 | 12 | 05 | 16 | | 023 | | MR |
| SA | 0353 | CLR | 20 | | | 226 | 40 | 12 | 04 | 14G20 | | 022 | 803 38 RADAT 24094 | JS |
| SA | 0451 | CLR | 20 | | | 228 | 41 | 11 | 07 | 15 | | 022 | | JS |
| SA | 0555 | CLR | 20 | | | 245 | 40 | 11 | 06 | 12 | | 025 | | JS |
| SA | 0656 | CLR | 20 | | | 255 | 35 | 12 | 12 | 07 | | 027 | 317 1001 | JS |
| SA | 0750 | CLR | 20 | | | 253 | 41 | 11 | 04 | 14G20 | | 027 | | JS |
| SA | 0853 | 250 - BKN | 20 | | | 258 | 45 | 10 | 03 | 15 | | 029 | | JS |
| SA | 0951 | 250 - BKN | 20 | | | 257 | 49 | 9 | 05 | 17 | | 029 | 107 1008 35 | JS |
| SA | 1053 | 250 - SCT | 20 | | | 254 | 53 | 10 | 05 | 18 | | 029 | | JS |
| SA | 1153 | 250 - SCT | 20 | | | 237 | 57 | 9 | 06 | 13 | | 026 | | JS |
| SA | 1255 | CLR | 20 | | | 228 | 59 | 9 | 01 | 12 | | 023 | 820 1001 | JS |
| SA | 1350 | CLR | 20 | | | 220 | 61 | 10 | 07 | 09 | | 020 | | JS |
| SA | 1450 | CLR | 20 | | | 220 | 62 | 9 | 11 | 10 | | 020 | | JS |
| SA | 1553 | 250 - SCT | 20 | | | 224 | 62 | 11 | 06 | 08 | | 022 | 503 1001 63 | MR |
| SA | 1656 | 250 - SCT | 20 | | | 227 | 59 | 13 | 04 | 12 | | 023 | RADAT 55L106124 | MR |
| SA | 1750 | 250 - BKN | 20 | | | 238 | 54 | 15 | 05 | 15 | | 025 | | MR |
| SA | 1854 | 250 - SCT | 20 | | | 245 | 52 | 16 | 03 | 13 | | 026 | 212 1001 | MR |
| SA | 1953 | 250 - SCT | 20 | | | 246 | 50 | 16 | 03 | 14 | | 026 | | MR |
| SA | 2054 | 250 - SCT | 20 | | | 246 | 50 | 17 | 03 | 17 | | 027 | | MR |
| SA | 2157 | CLR | 20 | | | 252 | 49 | 18 | 03 | 17 | | 029 | 312 1001 63 | MR |
| SA | 2251 | CLR | 20 | | | 254 | 48 | 18 | 04 | 13 | | 030 | | MR |
| SA | 2353 | CLR | 20 | | | 253 | 46 | 20 | 05 | 12 | | 030 | | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

DATE JAN. 29-1989

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 | 26.800 | | | 33 | 0 | | | | | | | | | | | | | | 0 | 1 | .020 | | | 00-01 |
| 01 | 53 | 26.800 | | | 31 | 0 | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 | 52 | 26.800 | | | 33 | 0 | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 | 53 | 26.790 | | | 31 | 0 | | | | | | | | | | | | | | 0 | 8 | .010 | | | 03-04 |
| 04 | 51 | 26.790 | | | 29 | 0 | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 | 55 | 26.820 | | | 30 | 0 | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 | 56 | 26.840 | | | 37 | 0 | 0 | Cl | 250 | | | | | | | | | | | 0 | 3 | .050 | | | 06-07 |
| 07 | 50 | 26.840 | | | 28 | 0 | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 | 53 | 26.860 | | | 24 | 8 | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 | 51 | 26.860 | | | 20 | 9 | 9 | CS | 250 | | | | | | | | | | | 4 | 1 | .020 | | | 09-10 |
| 10 | 53 | 26.860 | | | 17 | 3 | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 | 53 | 26.825 | | | 14 | 1 | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 | 55 | 26.800 | | | 13 | 0 | 0 | Cl | 250 | | | | | | | | | | | 0 | 8 | .060 | | | 12-13 |
| 13 | 50 | 26.780 | | | 13 | 0 | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 | 50 | 26.780 | | | 12 | 0 | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 | 53 | 26.790 | | | 13 | 1 | 1 | Cl | 250 | | | | | | | | | | | 0 | 5 | .010 | | | 15-16 |
| 16 | 56 | 26.795 | | | 16 | 2 | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 | 50 | 26.820 | | | 21 | 6 | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 | 54 | 26.825 | | | 24 | 3 | 3 | Cl | 250 | | | | | | | | | | | 0 | 2 | .035 | | | 18-19 |
| 19 | 53 | 26.830 | | | 25 | 3 | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 | 54 | 26.840 | | | 27 | 3 | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 | 57 | 26.860 | | | 29 | 0 | 0 | Cl | 250 | | | | | | | | | | | 0 | 3 | .035 | | | 21-22 |
| 22 | 51 | 26.870 | | | 31 | 0 | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 | 53 | 26.870 | | | 34 | 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 | | 44 | 38 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 44 | 38 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 49 | 35 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 63 | 48 | | 0 | | | | | | | | |
| | 2153 | 4 | 0 | 0 | 0 | 62 | 49 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 50 | 46 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0353 | 0951 | 1552 | 2156 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.790 | 26.860 | 26.790 | 26.860 |
| BAROGRAPH 64 | 26.800 | 26.865 | 26.785 | 26.845 |
| BAR. CORR. 65 | -.010 | -.005 | +.005 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | 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 | 35 | 0 | 0 | 0 | 24 | NE | 0937 | | | | | 2 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0649 SUNSET 1706

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: 0354 / 1955 /

MF 1-10A
(5-83)

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

STATION WSMO, DESERT ROCK NEVADA

DATE JAN 30 1989

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 252 | 46 | 21 | 06 | 11 | | 030 | 103 | MR |
| SA | 0154 | CLR | 20 | | | 247 | 47 | 22 | 05 | 13 | | 029 | | MR |
| SA | 0251 | CLR | 20 | | | 241 | 49 | 23 | 05 | 16 | | 028 | | MR |
| SA | 0352 | CLR | 20 | | | 242 | 47 | 24 | 05 | 14 | | 028 | 607 46 RADAT 33130 | JS |
| SA | 0454 | CLR | 20 | | | 238 | 46 | 24 | 07 | 09 | | 027 | | JS |
| SA | 0550 | CLR | 20 | | | 248 | 47 | 24 | 05 | 15G20 | | 029 | | JS |
| SA | 0654 | CLR | 20 | | | 254 | 45 | 24 | 03 | 14 | | 030 | 305 | JS |
| SA | 0754 | CLR | 20 | | | 251 | 47 | 25 | 02 | 14 | | 029 | | JS |
| SA | 0850 | CLR | 20 | | | 248 | 51 | 25 | 02 | 10G15 | | 029 | | JS |
| SA | 0950 | CLR | 20 | | | 248 | 56 | 27 | 01 | 13 | | 029 | 502 44 | JS |
| SA | 1050 | CLR | 20 | | | 237 | 60 | 28 | 01 | 05 | | 027 | | JS |
| SA | 1150 | CLR | 20 | | | 224 | 62 | 28 | 15 | 10 | | 023 | | JS |
| SA | 1253 | CLR | 20 | | | 212 | 63 | 29 | 15 | 11 | | 019 | 730 | JS |
| SA | 1350 | CLR | 20 | | | 202 | 65 | 29 | 11 | 13 | | 017 | | JS |
| SA | 1450 | CLR | 20 | | | 195 | 65 | 28 | 13 | 11G18 | | 016 | | JS |
| SA | 1555 | CLR | 20 | | | 195 | 65 | 28 | 13 | 14 | | 015 | 614 1001 66 RADAT | MR |
| / | | ~~CT~~ | | | | | | | | | | | 20129 | / |
| SA | 1650 | CLR | 20 | | | 193 | 62 | 28 | 13 | 12 | | 014 | | MR |
| SA | 1752 | CLR | 20 | | | 200 | 57 | 28 | 13 | 07 | | 015 | | MR |
| SA | 1853 | CLR | 20 | | | 200 | 55 | 28 | 10 | 09 | | 015 | 802 | MR |
| SA | 1950 | CLR | 20 | | | 203 | 51 | 27 | 31 | 07 | | 015 | | MR |
| SA | 2057 | CLR | 20 | | | 204 | 46 | 26 | 14 | 05 | | 015 | | MR |
| SA | 2154 | CLR | 20 | | | 206 | 43 | 26 | 13 | 02 | | 016 | 305 66 | MR |
| SA | 2253 | CLR | 20 | | | 203 | 41 | 26 | 04 | 05 | | 016 | | MR |
| SA | 2357 | CLR | 20 | | | 200 | 42 | 27 | 00 | 00 | | 015 | | 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 iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

(4-86)

NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

WSMO, DESERT ROCK NEVADA

DATE JAN 30 1989

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 | 26.870 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 54 | 26.860 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.850 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.850 | | | 39 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 03-04 |
| 04 54 | 26.835 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.855 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.865 | | | 43 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 06-07 |
| 07 54 | 26.855 | | | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.855 | | | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.860 | | | 32 | 0 | | | | | | | | | | | | | | | 0 | 5 | .005 | | | 09-10 |
| 10 50 | 26.835 | | | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.800 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.770 | | | 27 | 0 | | | | | | | | | | | | | | | 0 | 7 | .090 | | | 12-13 |
| 13 50 | 26.750 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.735 | | | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 55 | 26.730 | | | 25 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 6 | .040 | | | 15-16 |
| 16 50 | 26.720 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.730 | | | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.725 | | | 36 | 0 | | | | | | | | | | | | | | | 0 | 8 | .005 | | | 18-19 |
| 19 50 | 26.730 | | | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 57 | 26.730 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.740 | | | 50 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 21-22 |
| 22 53 | 26.735 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 57 | 26.730 | | | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0349 | X | 0 | 0 | X | 49 | 46 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 50 | 46 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 56 | 44 | | 0 | | | | | | | | |
| | 1552 | 3 | 0 | 0 | 0 | 66 | 56 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 65 | 42 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0850 | 1554 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.850 | 26.860 | 26.730 | 26.740 |
| BAROGRAPH 64 | 26.850 | 26.855 | 26.730 | 26.725 |
| BAR. CORR. 65 | ±0 | +.005 | 0 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 40 | 0 | 0 | 0 | 21 | N | 0802 | | | | | 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 0648 SUNSET 1707

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

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

TIME CHECK – CLOCK CORRECT TO NEAREST MINUTE AT: 10354 / 11854 /

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: JAN 31 1989

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 | 0051 | CLR | 20 | | | 197 | 38 | 26 | 06 | 04 | | 014 | 807 | MR |
| SA | 0152 | CLR | 20 | | | 195 | 37 | 26 | 06 | 03 | | 014 | | MR |
| SA | 0253 | CLR | 20 | | | 189 | 36 | 25 | 01 | 04 | | 012 | | MR |
| SA | 0352 | CLR | 20 | | | 184 | 36 | 25 | 00 | 00 | | 010 | 812 35 RADAT 20125 | JS |
| SA | 0450 | CLR | 20 | | | 185 | 36 | 25 | 12 | 06 | | 010 | | JS |
| SA | 0553 | CLR | 20 | | | 189 | 35 | 25 | 00 | 00 | | 010 | | JS |
| SA | 0650 | CLR | 20 | | | 188 | 32 | 24 | 04 | 05 | | 009 | 803 | JS |
| SA | 0752 | CLR | 20 | | | 187 | 40 | 26 | 00 | 00 | | 009 | | JS |
| SA | 0853 | CLR | 20 | | | 185 | 46 | 26 | 17 | 05 | | 009 | | JS |
| SA | 0952 | CLR | 20 | | | 182 | 54 | 27 | 00 | 00 | | 009 | 000 32 | JS |
| SA | 1054 | CLR | 20 | | | 169 | 59 | 26 | 24 | 03 | | 006 | | JS |
| SA | 1150 | 250 - SCT | 20 | | | 162 | 60 | 24 | 22 | 13 | | 004 | | JS |
| SA | 1251 | 250 - SCT | 20 | | | 148 | 62 | 24 | 26 | 10 | | 000 | 729 1001 | JS |
| SA | 1351 | CLR | 20 | | | 136 | 63 | 22 | 23 | 12G19 | | 996 | | JS |
| SA | 1450 | CLR | 20 | | | 126 | 63 | 21 | 22 | 14G22 | | 994 | | JS |
| SA | 1554 | 250 - SCT | 20 | | | 121 | 63 | 16 | 24 | 17G22 | | 992 | 624 1001 64 RADAT 28121 | MR |
| SA | 1654 | 250 - BKN | 20 | | | 120 | 60 | 11 | 22 | 15 | | 991 | | MR |
| SA | 1752 | 250 - BKN | 20 | | | 125 | 55 | 24 | 19 | 08 | | 992 | | MR |
| SA | 1852 | 250 - SCT | 20 | | | 133 | 50 | 22 | 09 | 03 | | 992 | 500 1001 | MR |
| SA | 1953 | 250 - SCT | 20 | | | 131 | 45 | 22 | 08 | 05 | | 992 | | MR |
| SA | 2053 | 250 - SCT | 20 | | | 126 | 44 | 19 | 04 | 06 | | 992 | | MR |
| SA | 2154 | 250 - SCT | 20 | | | 118 | 46 | 21 | 05 | 05 | | 991 | 803 1001 64 | MR |
| SA | 2251 | 250 - SCT | 20 | | | 108 | 49 | 15 | 36 | 05 | | 989 | | MR |
| SA | 2356 | 250 - BKN | 20 | | | 106 | 41 | 17 | 15 | 03 | | 987 | | 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 Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

## SURFACE WEATHER OBSERVATIONS

DATE JAN 31 1989

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.720 | | | 60 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 00-01 |
| 01 52 | 26.715 | | | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 53 | 26.700 | | | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.685 | | | 64 | 0 | | | | | | | | | | | | | | | 0 | 8 | .035 | | | 03-04 |
| 04 50 | 26.685 | | | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.685 | | | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.675 | | | 72 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 06-07 |
| 07 52 | 26.680 | | | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.675 | | | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.675 | | | 35 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 54 | 26.645 | | | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.630 | | | 25 | 1 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.590 | | | 24 | 1 | 1 | C1 | 250 | | | | | | | | | | | | 0 | 7 | .085 | | | 12-13 |
| 13 51 | 26.560 | | | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.535 | | | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 54 | 26.520 | | | 16 | 3 | 3 | C1 | 250 | | | | | | | | | | | | 0 | 6 | .070 | | | 15-16 |
| 16 54 | 26.510 | | | 14 | 7 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 52 | 26.515 | | | 30 | 7 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 52 | 26.520 | | | 33 | 5 | 5 | C1 | 250 | | | | | | | | | | | | 1 | 5 | .000 | | | 18-19 |
| 19 53 | 26.520 | | | 41 | 3 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 53 | 26.515 | | | 37 | 1 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.510 | | | 38 | 1 | 1 | C1 | 250 | | | | | | | | | | | | 0 | 8 | .010 | | | 21-22 |
| 22 51 | 26.495 | | | 25 | 2 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 56 | 26.480 | | | 37 | 9 | | | | | | | | | | | | | | | 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 | 43 | 35 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 46 | 35 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 55 | 32 | | 0 | | | | | | | | |
| | 1551 | 3 | 0 | 0 | 0 | 64 | 54 | | 0 | | | | | | | | |
| | 2151 | 4 | 0 | 0 | 0 | 63 | 42 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 50 | 41 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0952 | 1553 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.685 | 26.675 | 26.520 | 26.510 |
| BAROGRAPH 64 | 26.690 | 26.670 | 26.510 | 26.495 |
| BAR. CORR. 65 | -.005 | +.005 | +.010 | +.015 |

### SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 32 | 0 | 0 | 0 | 24 | SW | 1536 | | | | | 1 | 2 | | |

### WEATHER & OBSTRUCTIONS TO VISION

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

### 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0647 SUNSET 1708

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: 1035Z / 1854 /