

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/26/87 00:00:00

End : 12/26/87 23:59:00

12/26 22:00

2202

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 360

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. REGION 4912 (S33E60) PRODUCED TWO M-LEVEL EVENTS DURING THE PERIOD, AS FOLLOWS: AN M1.8/OF FLARE, MAXIMUM AT 26/1802Z AND AN M1.0/IN FLARE, MAXIMUM AT 26/2057Z WHICH WAS ACCOMPANIED BY A 170SFU RADIO BURST AT 2695MHZ. THE REMAINING THREE REGIONS OBSERVED TODAY, INCLUDING NEWLY NUMBERED REGION 4914 (N15E04), WERE MAGNETICALLY SIMPLE. REGION 4906 (S33W89) IS QUIETLY TRANSITING THE WEST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. M-LEVEL FLARES ARE LIKELY FROM REGION 4912.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET AT MIDDLE LATITUDES AND QUIET TO UNSETTLED AT HIGH LATITUDES.

III. EVENT PROBABILITIES 27 DEC-29 DEC

CLASS M 75/70/70

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 DEC 106

PREDICTED 27 DEC-29 DEC 107/108/109

90 DAY MEAN 26 DEC 097

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 DEC 005/008

ESTIMATED AFR/AP 26 DEC 004/010

PREDICTED AFR/AP 27 DEC-29 DEC 005/010-005/010-005/010

NNNN

<003>