

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/23/87 00:00:00

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

12/23 22:00

2201

HFUS3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 357

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE HIGHLIGHT OF THE DAY WAS AN OPTICALLY UNCORRELATED X-RAY EVENT WHICH REACHED A MAXIMUM OF B4.9 AT 23/1820Z. NO NEW REGIONS WERE ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE MIDDLE LATITUDE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED THROUGHOUT THE PERIOD. THE HIGH LATITUDE FIELD WILL BE ACTIVE DURING THE FIRST TWO DAYS BECOMING UNSETTLED ON THE THIRD DAY.

III. EVENT PROBABILITIES 24 DEC-26 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 DEC 091

PREDICTED 24 DEC-26 DEC 091/090/090

90 DAY MEAN 23 DEC 097

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 DEC 022/027

ESTIMATED AFR/AP 23 DEC 011/020

PREDICTED AFR/AP 24 DEC-26 DEC 015/020-015/020-014/015

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