

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/23/87 00:00:00

End : 01/23/87 23:59:00

01/23 22:00

07

HFUS3 BOU 232200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 023

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4765 (CAI/BETA GROUP) APPEARS TO HAVE STABALIZED SOMEWHAT IN THE PAST 24 HOURS. ONLY B-CLASS X-RAYS HAVE BEEN REPORTED AND THOSE HAVE DECREASED IN FREQUENCY. THE REMAINDER OF THE DISK AND LIMBS REMAIN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 24 HOURS. REGION 4765 IS EXPECTED TO CONTINUE TO PRODUCE SOME FLARES BUT AT A DECREASED LEVEL AND FREQUENCY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS. THE ACTIVE CONDITIONS WERE OBSERVED MAINLY AT HIGH LATITUDES FROM 23/1030 UT TO 23/1630 UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT TWO DAYS AND ACTIVE ON THE THIRD DAY OF THE FORECAST PERIOD. THE ACTIVE CONDITIONS ARE EXPECTED AS A RESULT OF A LONG DURATION C-CLASS (C2.5) X-RAY EVENT THAT OCCURRED ON 22 JANUARY.

I. EVENT PROBABILITIES 24 JAN-26 JAN

CLASS M 02/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 JAN 074

PREDICTED 24 JAN-26 JAN 074/075/075

90 DAY MEAN 23 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 JAN 007/010

ESTIMATED AFR/AP 23 JAN 008/013

PREDICTED AFR/AP 24 JAN-26 JAN 010/013-010/013-015/017

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01/23 22:00

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