

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/22/87 00:00:00

End : 01/22/87 23:59:00

01/22 22:00

2218

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 022

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100Z TO 22/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS. REGION 4765 (S25W17) IS THE ONLY SPOTTED REGION ON THE DISK. ALTHOUGH REPORTS INDICATE THE REGION TO BE DECAYING SOMEWHAT, IT HAS HAD SEVERAL FLARES DURING THE PERIOD. THE LARGEST OF THOSE WAS A C2.5/0B FLARE THAT OCCURRED AT 1649 UT THIS MORNING. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE REMAIN VERY LOW. THE POSSIBILITY OF CONTINUED FLARES EXISTS IN REGION 4765 AS IT MOVES TOWARD THE WEST LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED DURING THE PAST 24 HOURS. THERE WERE SOME BRIEF PERIODS OF ACTIVE CONDITIONS OBSERVED AT HIGH LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT THREE DAYS. RECURRENCE IS THE PRIMARY BASIS FOR THE FORECAST.

III. EVENT PROBABILITIES 23 JAN-25 JAN

CLASS M 02/02/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JAN 076

PREDICTED 23 JAN-25 JAN 077/077/077

90 DAY MEAN 22 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 JAN 006/012

ESTIMATED AFR/AP 22 JAN 008/012

PREDICTED AFR/AP 23 JAN-25 JAN 008/012-010/010-010/010

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