

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/24/87 00:00:00

End : 10/24/87 23:59:00

10/24 22:00

2201

HFUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 297

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z TO 24/2100Z: SOLAR ACTIVITY WAS VERY LOW. SPOTTED REGIONS VISIBLE YESTERDAY WERE SPOTLESS TODAY. NEW REGION 4875 (N31E75) ROTATED AROUND THE LIMB AS A SMALL CLASS C GROUP AND PRODUCED SEVERAL INSIGNIFICANT SUBFLARES. A LARGE PROMINENCE ERUPTED BETWEEN 23/1510-24/1550UT AT SW54-70.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW FOR THE FORECAST PERIOD. NO SIGNIFICANT REGIONS ARE EXPECTED TO RETURN DURING THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED AT MID LATITUDES. AT HIGH LATITUDES THE FIELD WAS GENERALLY ACTIVE UNTIL LATE IN THE PERIOD WHEN MINOR STORM LEVELS WERE EXPERIENCED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE MID LATITUDE GEOMAGNETIC FIELD SHOULD CONTINUE GENERALLY UNSETTLED. HIGH LATITUDES SHOULD EXPERIENCE ACTIVE CONDITIONS.

III. EVENT PROBABILITIES 25 OCT-27 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 OCT 088

PREDICTED 25 OCT-27 OCT 088/088/089

90 DAY MEAN 24 OCT 091

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 OCT 008/017

ESTIMATED AFR/AP 24 OCT 014/020

PREDICTED AFR/AP 25 OCT-27 OCT 010/021-010/018-010/015

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