

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/23/87 00:00:00

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

10/23 22:00

2201

HFUS3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 296

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY B-CLASS X-RAY FLARES WERE OBSERVED DURING THE LAST 24 HOURS. REGIONS 4872 (S43W25) AND 4873 (S33W04), THE ONLY SPOTTED REGIONS ON THE DISK, ARE BOTH DECAYING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NO SIGNIFICANT REGIONS ARE DUE TO RETURN, ALTHOUGH DATA SUGGEST THAT A SMALL ACTIVE REGION IS APPROACHING THE EAST LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD AT MIDDLE LATITUDES HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS. THE HIGH LATITUDE FIELD HAS BEEN UNSETTLED TO ACTIVE.

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

III. EVENT PROBABILITIES 24 OCT-26 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 OCT 088

PREDICTED 24 OCT-26 OCT 088/086/084

90 DAY MEAN 23 OCT 091

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 OCT 006/009

ESTIMATED AFR/AP 23 OCT 010/017

PREDICTED AFR/AP 24 OCT-26 OCT 010/018-010/016-010/018

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10/23 22:00

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