

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/24/86 00:00:00

End : 10/24/86 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 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z TO 24/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4750 (N24W18) PRODUCED NEARLY ALL OF THE FLARE ACTIVITY DURING THE PERIOD. THE LARGEST EVENT IT GENERATED WAS A ONE-NORMAL/C-1 FLARE WHICH ATTAINED MAXIMUM AT 0548Z. THERE WAS ALSO A C-2 X-RAY FLARE DETECTED AT 1240Z, BUT IT HAD NO OPTICAL COUNTERPART. NEWLY ASSIGNED REGION 4753 (S22E81) ROTATED INTO VIEW, CONSISTING OF A SINGLE SPOT AND DULL PLAGE. ALL REGIONS HAVE BEEN STABLE IN GENERAL.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4750 RETAINS THE POTENTIAL FOR AN ISOLATED M-CLASS EVENT. EAST LIMB MAY BE BUSY DURING THE INTERVAL WITH FOUR OLD ACTIVE REGIONS DUE BACK AT VARIOUS TIMES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED AT MID-LATITUDES AND UNSETTLED TO MILDLY ACTIVE AT HIGH LATITUDES THROUGHOUT THE PERIOD.

III. EVENT PROBABILITIES 25 OCT-27 OCT

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 OCT 098

PREDICTED 25 OCT-27 OCT 099/100/101

90 DAY MEAN 24 OCT 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 OCT 005/008

ESTIMATED AFR/AP 24 OCT 002/008

PREDICTED AFR/AP 25 OCT-27 OCT 010/015-010/015-005/015

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