

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/10/87 00:00:00

End : 12/10/87 23:59:00

12/10 22:00

2226

HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 344

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4901 (S19W66) REMAINS THE MOST ACTIVE REGION ON THE DISK BUT CAN ONLY PRODUCE A FEW SUBFLARES AND C-CLASS X-RAY EVENTS. A LONG DURATION C-CLASS X-RAY EVENT (NO OPTICAL CORRELATION) OCCURRED FROM 10/1523UT TO 10/1756UT. HFUS3 BOU 102200 RTD

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4901 IS EXPECTED TO PRODUCE ADDITIONAL SUBFLARES AND LOW LEVEL C-CLASS X-RAY EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD AT MIDDLE LATITUDES HAS RANGED FROM QUIET TO ACTIVE LEVELS FOR THE PAST 24 HOURS. THE HIGH LATITUDE FIELD HAS RANGED FROM QUIET TO MINOR STORM LEVELS, WITH MAJOR STORM CONDITIONS EXPERIENCED BETWEEN 10/1500UT AND 10/1800UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY ACTIVE FOR THE NEXT THREE DAYS AS THE RESULT OF THE EQUATORWARD EXTENSION OF A NORTHERN CORONAL HOLE.

III. EVENT PROBABILITIES 11 DEC-13 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 DEC 093

PREDICTED 11 DEC-13 DEC 092/090/090

90 DAY MEAN 10 DEC 095

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 DEC 004/010

ESTIMATED AFR/AP 10 DEC 014/025

PREDICTED AFR/AP 11 DEC-13 DEC 022/025-018/020-018/020

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12/10 22:00

2231

HQ 63 BOU 102200 RTD
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
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