

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/12/87 00:00:00

End : 07/12/87 23:59:00

07/12 22:00

2200

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 193

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK REMAINS SPOTLESS AND QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN MOSTLY QUIET AT MIDDLE LATITUDES WITH A BRIEF INTERVAL AT MINOR STORM LEVELS (BOULDER K-VALUE OF 5) DURING THE 09-12UT PERIOD. THE HIGH LATITUDE FIELD HAS BEEN MOSTLY UNSETTLED TO ACTIVE WITH MINOR STORM CONDITIONS EXPERIENCED DURING THE SAME 09-12UT PERIOD. A POSSIBLE SOURCE OF THIS DISTURBANCE IS THE EAST LIMB ERUPTIVE PROMINENCE WHICH OCCURRED ON 7 JULY.

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

III. EVENT PROBABILITIES 13 JUL-15 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

AF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUL 073

PREDICTED 13 JUL-15 JUL 073/074/074

90 DAY MEAN 12 JUL 082

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUL 008/011

ESTIMATED AFR/AP 12 JUL 010/017

PREDICTED AFR/AP 13 JUL-15 JUL 005/013-005/013-010/012

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