

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/25/87 00:00:00

End : 09/25/87 23:59:00

09/25 22:00

2201

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 268

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z TO 25/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ALL NUMBERED REGIONS HAVE BEEN QUIET. NO FLARES HAVE BEEN OBSERVED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. OLD REGION 4849 (S22, L-240, CLASS/AREA EKI/390 ON 08 SEPTEMBER) IS DUE TO RETURN ON 27 SEPTEMBER.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD AT MIDDLE LATITUDES HAS RANGED FROM QUIET TO MAJOR STORM LEVELS FOR THE PAST 24 HOURS, FOLLOWING THE SSC AT 24/0200UT. BOULDER EXPERIENCED MAJOR STORM CONDITIONS (K;6) FROM 25/0900-25/1500UT. THE HIGH LATITUDE FIELD HAS RANGED FROM UNSETTLED TO MAJOR STORM LEVELS, FLUCTUATING FROM MINOR TO MAJOR STORM LEVELS SINCE 25/0600UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO RETURN TO UNSETTLED LEVELS AT MIDDLE LATITUDES ON 26 SEPTEMBER. THE HIGH LATITUDE FIELD MAY BE AT MINOR STORM LEVELS ON 26 SEPTEMBER. ACTIVE CONDITIONS ARE EXPECTED ON 27 AND 28 SEPTEMBER DUE TO RECURRENT EFFECTS.

III. EVENT PROBABILITIES 26 SEP-28 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 SEP 078

PREDICTED 26 SEP-28 SEP 078/078/080

90 DAY MEAN 25 SEP 087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 SEP 014/017

ESTIMATED AFR/AP 25 SEP 035/048

PREDICTED AFR/AP 26 SEP-28 SEP 015/030-020/025-020/020

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