

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/30/87 00:00:00

End : 08/30/87 23:59:00

08/30 22:00

2241

HFUS3 BOU 302200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 242

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100Z TO 30/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NO FLARES WERE OBSERVED DURING THE PAST 24 HOURS. REGION 4845 (N16W43) HAS DECAYED TO A SPOTLESS PLAGE. OTHER REGIONS CHANGED LITTLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NO SIGNIFICANT FUS3 BOU 302200 COR

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

IC. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT MIDDLE LATITUDES WITH ACTIVE CONDITIONS OCCURRING DURING THE 06-09UT PERIOD. THE HIGH LATITUDE FIELD HAS BEEN MOSTLY ACTIVE WITH ISOLATED PERIODS AT MINOR TO MAJOR STORM LEVELS. MAJOR STORM CONDITIONS WERE EXPERIENCED DURING THE 06-09UT PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. THIS ACTIVITY IS BELIEVED TO BE ASSOCIATED WITH TWO FAVORABLY LOCATED CORONAL HOLES.

III. EVENT PROBABILITIES 31 AUG-02 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 AUG 077

PREDICTED 31 AUG-02 SEP 078/078/078

90 DAY MEAN 30 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 AUG 011/022

ESTIMATED AFR/AP 30 AUG 014/024

PREDICTED AFR/AP 31 AUG-02 SEP 010/015-015/020-010/015

NNNN

30

08/30 22:00