

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

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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 REGIONS ARE DUE TO RETURN WITHIN

THIS FORECAST PERIOD.

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

I. 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

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08/30 22:00