

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/24/86 00:00:00

End : 04/24/86 23:59:00

04/24 22:00

2153

FUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 114

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 APR 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100 TO 24/2100Z: SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 4726 (N03W05) PRODUCED M1, M1, AND M2 X-RAY EVENTS AT 0044, 0351, AND 0613UT RESPECTIVELY. ALL OF THESE EVENTS WERE IMPULSIVE, AND HAD NO SIGNIFICANT RADIO ENHANCEMENTS. THIS REGION HAS A DKI SPOT CONFIGURATION, AND SEEMS TO BE STABLE AT THIS TIME. REGION 4727 (N06E29) HAS GROWN CONSIDERABLY SINCE YESTERDAY AND HAS A D-YPE SPOT GROUP. REGION 4725 (S01W63) HAS NEARLY DISAPPEARED WITH ONLY ONE SPOT AND PLAGE VISIBLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW TO MODERATE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE WITH ISOLATED MINOR STORM ACTIVITY AT HIGH LATITUDES. THIS ACTIVITY IS ATTRIBUTED TO A HIGH SPEED CORONAL STREAM AS SEEN IN SAN DIEGO IPS DATA.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETLED TO ACTIVE ON THE 25TH. ON THE 26TH AND 27TH ACTIVE CONDITIONS ARE POSSIBLE DUE TO THE RESENT ROUND OF SOLAR ACTIVITY.

I. EVENT PROBABILITIES 25 APR-27 APR

CLASS M 20/30/30

CLASS X 02/03/03

PROTON 01/01/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 APR 086

PREDICTED 25 APR-27 APR 088/090/092

90 DAY MEAN 24 APR 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 APR 011/015

ESTIMATED AFR/AP 24 APR 011/018

PREDICTED AFR/AP 25 APR-27 APR 010/014-015/018-020/023

SOLTERWARN

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