

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/12/86 00:00:00

End : 07/12/86 23:59:00

07/12 22:00

2132

US3 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 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY WAS VERY LOW. THE C3/ON FLARE OF 11/0506Z WAS LATER ASSOCIATED WITH A LONG DURATION X-RAY EVENT AND A QUICKLY EXPANDING CORONAL MASS EJECTION (CME). THE TWO B-LEVEL X-RAY EVENTS OF 12/0338 AND 0418Z WERE ALSO ASSOCIATED WITH A LONG DURATION X-RAY EVENT, BUT NO CORRELATED CME WAS REPORTED. NEWLY NUMBERED REGION 4737 (N04W53) WAS A SIMPLE BETA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. THE CME OF 11/0506Z IS EXPECTED TO PRODUCE A DISTURBANCE STARTING ON THE THIRD DAY (15 JUL). STORM CONDITIONS ARE POSSIBLE AT ALL LATITUDES DURING LOCAL MIDNIGHT PERIODS.

III. EVENT PROBABILITIES 13 JUL-15 JUL

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUL 071

PREDICTED 13 JUL-15 JUL 071/070/070

90 DAY MEAN 12 JUL 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUL 003/010

ESTIMATED AFR/AP 12 JUL 007/007

PREDICTED AFR/AP 13 JUL-15 JUL 009/012-010/015-015/025

SOLTERWARN

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