

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/13/86 00:00:00

End : 07/13/86 23:59:00

07/13 22:00

2125

US3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 194

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4736 (N07W94) PRODUCED A C2/OF EVENT AT 13/0401Z. THIS REGION CONTINUED TO PRODUCE SURGES AND LOOPS THROUGHOUT MUCH OF THE PERIOD. IT ALSO MAINTAINED ITS DAO CLASSIFICATION WHILE TRANSITING THE WEST LIMB. NO NEW REGION WAS ASSIGNED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED. MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES LATE IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. A DISTURBANCE IS EXPECTED TO START ON THE SECOND DAY (15 JUL) AS THE CORONAL MASS EJECTION THAT ACCOMPANIED THE 11/0506Z FLARE EVENT REACHES EARTH. STORM CONDITIONS DURING LOCAL MIDNIGHT PERIODS ARE POSSIBLE AT ALL LATITUDES.

III. EVENT PROBABILITIES 14 JUL-16 JUL

CLASS M 10/05/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JUL 072

PREDICTED 14 JUL-16 JUL 071/071/071

90 DAY MEAN 13 JUL 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 JUL 006/008

ESTIMATED AFR/AP 13 JUL 009/015

PREDICTED AFR/AP 14 JUL-16 JUL 010/015-015/025-015/020

SOLTERWARN

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