

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/24/86 00:00:00

End : 07/24/86 23:59:00

24 22:00

2138

HFUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 205

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100 TO 24/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE FEW H-ALPHA PLAGE REGIONS ON THE VISIBLE DISK HAVE BEEN SPOTLESS TODAY. A MINOR ENHANCEMENT OF X-RAY FLUXES AT 1300UT AND A SAC PEAK CORONAL GREEN LINE MEASUREMENT INDICATE THE POSSIBILITY THAT AN ACTIVE REGION MAY BE WITHIN TWO OR THREE DAYS OF CROSSING THE EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. OLD REGION 4736 (CARRINGTON LONGITUDE 225) MAY BE RETURNING ON 27 JULY. THIS MAY PRODUCE A MODEST ENHANCEMENT IN 10-CENTIMETER SOLAR FLUX AND RESULT IN AN OCCASIONAL C-CLASS SUBFLARE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT ALL LATITUDES FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED TO OCCASIONALLY ACTIVE FOR THE NEXT DAY OR TWO DUE TO THE RETURN OF A RECURRENT HIGH SPEED STREAM IN THE SOLAR WIND.

III. EVENT PROBABILITIES 25 JUL-27 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUL 069

PREDICTED 25 JUL-27 JUL 070/070/071

90 DAY MEAN 24 JUL 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 JUL 005/010

ESTIMATED AFR/AP 24 JUL 007/012

PREDICTED AFR/AP 25 JUL-27 JUL 012/020-010/015-010/015

SOLTERWARN

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