

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/15/86 00:00:00

End : 09/15/86 23:59:00

09/15 22:00

2141

HP US3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 258

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 SEP 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100 TO 15/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK IS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED AT ALL LATITUDES WITH PERIODS OF ACTIVE TO MINOR STORM CONDITIONS AT SOME STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: LEVELS OF GEOMAGNETIC ACTIVITY ARE EXPECTED TO INCREASE OVER THE NEXT TWO DAYS WITH THE RETURN OF A RECURRENT ACTIVITY PATTERN OF SEVERAL PAST SOLAR ROTATIONS. ACTIVE PERIODS AT MIDDLE LATITUDES AND MINOR STORM PERIODS AT HIGH LATITUDES WILL PREDOMINATE, WITH PERIODS OF MINOR STORM AT MIDDLE LATITUDES (MAJOR STORM AT HIGH LATITUDES) LIKELY, ESPECIALLY IN THE LOCAL NIGHTTIME SECTORS.

III. EVENT PROBABILITIES 16 SEP-18 SEP

CLASS M 05/02/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 SEP 071

PREDICTED 16 SEP-18 SEP 070/070/069

90 DAY MEAN 15 SEP 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 SEP 013/018

ESTIMATED AFR/AP 15 SEP 013/023

PREDICTED AFR/AP 16 SEP-18 SEP 015/020-020/030-030/040

SOLTERWARN

BT

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