

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/14/86 00:00:00

End : 09/14/86 23:59:00

09/14 22:00

2118

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 257

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 SEP 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK IS SPOTLESS AND ONLY MINOR FLARE ACTIVITY WAS OBSERVED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED AT ALL LATITUDES WITH PERIODS OF MINOR TO MAJOR STORM CONDITIONS. THE GEOMAGNETIC STORM THAT BEGAN WITH A SUDDEN COMMENCEMENT AT APPROXIMATELY 1837 UT 11 SEPTEMBER ENDED BY 0600 UT 14 SEPTEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MIDDLE LATITUDES (ACTIVE AT HIGH LATITUDES) FOR THE NEXT 36 HOURS AND ACTIVE AT MIDDLE LATITUDES (MINOR STORM AT HIGH LATITUDES) FOR THE SUBSEQUENT 36 HOURS.

III. EVENT PROBABILITIES 15 SEP-17 SEP

CLASS M 02/02/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 SEP 069

PREDICTED 15 SEP-17 SEP 069/069/069

90 DAY MEAN 14 SEP 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 SEP 020/036

ESTIMATED AFR/AP 14 SEP 011/020

PREDICTED AFR/AP 15 SEP-17 SEP 010/015-015/025-025/040

SOLTERWARN

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