

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/12/86 00:00:00

End : 09/12/86 23:59:00

09/12 22:00

2137

AFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 255

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 SEP 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO NEW REGION WAS ASSIGNED.

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 AT SEVERE (A-INDEX EQUAL TO OR GREATER THAN 100) TO MAJOR STORM LEVELS. THE SUDDEN STORM COMMENCEMENT AT 11/1837Z WAS FOLLOWED BY INCREASINGLY DISTURBED CONDITIONS PEAKING WITH K-INDEXES OF 7 AND 9 (MID AND HIGH LATITUDES RESPECTIVELY) AT 12/0600Z. THE FIELD TRENDED DOWN TO MINOR STORM TO ACTIVE LEVELS BY THE END OF PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT MINOR STORM TO ACTIVE LEVELS THE FIRST DAY (13 SEP), WITH POSSIBLE SUBSTORM CONDITIONS IN THE LOCAL MIDNIGHT SECTOR. THE LAST TWO DAYS (14-15 SEP) ARE EXPECTED TO BE ACTIVE TO UNSETTLED.

III. EVENT PROBABILITIES 13 SEP-15 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 SEP 068

PREDICTED 13 SEP-15 SEP 068/068/068

90 DAY MEAN 12 SEP 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 SEP 013/018

ESTIMATED AFR/AP 12 SEP 045/120

PREDICTED AFR/AP 13 SEP-15 SEP 015/040-010/020-010/015

SOLTERWARN

BT

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