

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/13/86 00:00:00

End : 11/13/86 23:59:00

11/13 22:00

2200

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 317

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 NOV 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY WAS VERY LOW. NEWLY NUMBERED REGION 4757 (N31E85) PRODUCED A SUB-FAINT, C4.1 FLARE AT 13/1725Z, PRECEDED BY ACTIVE SURGING. THIS LOCATION WAS VERY NEAR THE RETURNING REGION 4750'S (N26, L;228) PREDICTED LOCATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4757 PROVIDES A FAIR CHANCE OF MODERATE ACTIVITY (M1.0 OR GREATER X-RAY FLARES) DUE TO ITS EASTERLY POSITION WITH UNKNOWN CHARACTERISTICS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE. A RECURRENT DISTURBANCE IS EXPECTED TO BEGIN MIDWAY THROUGH THE PERIOD.

III. EVENT PROBABILITIES 14 NOV-16 NOV

CLASS M 45/45/45

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 NOV 080

PREDICTED 14 NOV-16 NOV 085/089/092

90 DAY MEAN 13 NOV 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 NOV 007/012

ESTIMATED AFR/AP 13 NOV 007/012

PREDICTED AFR/AP 14 NOV-16 NOV 010/013-014/015-015/018

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