

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/11/86 00:00:00

: 02/11/86 23:59:00

02/11 22:00

2137

HFUS3 BDU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 042

JOINT USAF/NDAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 FEB 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY WAS MODERATE. REGION 4713 (S02W45) CONTINUED TO DEVELOP IN MOST ASPECTS AND PRODUCED AN M1/1B FLARE AT 11/0341Z. IT WAS A DK1 - BETA-DELTA. REGION 4711 (S09W84) DECAYED TO A SIMPLE ALPHA-TYPE. AN EIGHT DEGREE LONG FILAMENT DISAPPEARED IN CONJUNCTION WITH A C9/0B FLARE IN REGION 4713 AT 10/2046Z. THIS EVENT CONTAINED BOTH TYPE II AND IV RADIO SWEEPS AS WELL AS A 2695MHZ BURST OF 740 FLUX UNITS. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4713 PROVIDES A SLIGHT CHANCE OF MODERATE ACTIVITY THROUGHOUT THE PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE. STORM CONDITIONS OCCURRED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE. A MINOR STORM DISTURBANCE IS EXPECTED TO INFLUENCE HIGH LATITUDES ON THE LAST DAY. THIS ACTIVITY IS CONSEQUENTIAL TO THE C9/0B AND M1/1B OF 10/2046 AND 11/0341Z.

III. EVENT PROBABILITIES 12 FEB-14 FEB

CLASS M 30/25/20

CLASS X 05/04/03

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 FEB 098

PREDICTED 12 FEB-14 FEB 095/091/087

90 DAY MEAN 11 FEB 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 FEB 008/013

ESTIMATED AFR/AP 11 FEB 019/035

PREDICTED AFR/AP 12 FEB-14 FEB 015/020-015/025-025/040

SOLTERWARN

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