

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/07/87 00:00:00

End : 03/07/87 23:59:00

03/07 22:00

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HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 066

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4778 (N06W40) HAS COMPLETED ITS INITIAL GROWTH PHASE AND CONTINUED TO PRODUCE SUBFLARES DURING THE PERIOD. THERE ARE NO OTHER SPOTTED REGIONS ON THE SOLAR DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4778 IS LIKELY TO CONTINUE SUBFLARING.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS FOR MOST OF THE DAY. A BRIEF PERIOD OF MAJOR STORM CONDITIONS WAS OBSERVED AT HIGH LATITUDES FROM 0600Z TO 0730Z. THE FIELD HAS BEEN GENERALLY UNSETTLED SINCE 1630Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE FOR 08 MARCH, BECOMING UNSETTLED WITH ACTIVE PERIODS AT HIGH LATITUDES ON 09 MARCH, AND THEN QUIET TO UNSETTLED FOR 10 MARCH. LOCAL MIDNIGHT SECTORS ARE LIKELY TO EXPERIENCE PERIODS OF SUBSTORMING FOR THE NEXT 36 HOURS, ESPECIALLY AT HIGH LATITUDES.

III. EVENT PROBABILITIES 08 MAR-10 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAR 077

PREDICTED 08 MAR-10 MAR 077/077/077

90 DAY MEAN 07 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 MAR 010/011

ESTIMATED AFR/AP 07 MAR 020/036

PREDICTED AFR/AP 08 MAR-10 MAR 020/025-010/015-007/010

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