

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/12/87 00:00:00

End : 03/12/87 23:59:00

03/12 22:00

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HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 071

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SOLAR DISK IS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW DURING THE PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH PERIODS OF ACTIVE CONDITIONS. A BRIEF SUBSTORM WAS OBSERVED AT HIGH LATITUDES FROM 1030Z TO 1330Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR 13 MARCH, UNSETTLED TO ACTIVE ON 14 MARCH, AND UNSETTLED ON 15 MARCH. THE 14 MARCH DISTURBANCE IS FORECAST BECAUSE OF A 22 DEGREE FILAMENT WHICH DISAPPEARED ON 11 MARCH BETWEEN 0550Z AND 0618Z.

III. EVENT PROBABILITIES 13 MAR-15 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 MAR 070

PREDICTED 13 MAR-15 MAR 071/072/073

90 DAY MEAN 12 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 MAR 007/008

ESTIMATED AFR/AP 12 MAR 010/012

PREDICTED AFR/AP 13 MAR-15 MAR 007/013-015/020-012/013

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