

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/08/87 00:00:00

End : 02/08/87 23:59:00

02/08 22:00

05

HFUS3 BOU 082200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 039

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 FEB 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z TO 08/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SOLAR DISK REMAINS SPOTLESS. A QUIET PROMINENCE WAS OBSERVED AT N40 ON THE EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE WITH PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES. THE SOURCE OF THIS DISTURBANCE IS UNCERTAIN, BUT THE MOST LIKELY CAUSE IS FROM THE SERIES OF FILAMENTS WHICH DISAPPEARED 3-5 FEBRUARY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE WITH BRIEF PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES FOR 9 FEBRUARY. CONDITIONS ARE EXPECTED TO BE QUIET TO UNSETTLED FROM 10 TO 11 FEBRUARY.

III. EVENT PROBABILITIES 09 FEB-11 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 FEB 071

PREDICTED 09 FEB-11 FEB 071/072/073

90 DAY MEAN 08 FEB 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 FEB 008/009

ESTIMATED AFR/AP 08 FEB 012/020

PREDICTED AFR/AP 09 FEB-11 FEB 012/020-005/010-005/010

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