

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/03/87 00:00:00

End : 11/03/87 23:59:00

11/03 22:00

2218

HFUS3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 307

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100Z TO 03/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4875 (N29W55) PRODUCED FREQUENT SUBFLARES OVER THE LAST 16 HOURS, THE LARGEST BEING A C4/O/F AT 0926Z. THE REGION HAS DECAYED SLIGHTLY IN WHITE LIGHT AND H-ALPHA. REGIONS 4878 (S21W40) AND 4883 (S23E52) HAVE ALSO GENERATED HXUS BOU 032212

GEOALERT BOU307 032200Z

SOLQUIET

MAGALERT 04

BT

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11/03 22:00

2219

HFUS3 BOU 032200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. THERE IS THE CHANCE OF M-CLASS ACTIVITY FROM REGION 4875.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE AT MID-LATITUDES AND AT MOSTLY MINOR STORM CONDITIONS AT HIGH LATITUDES. THIS DISTURBANCE IS THOUGHT TO BE THE RESULT OF A LONG-DURATION X-RAY EVENT OF 30 OCT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS MOST OF THE PERIOD. UNSETTLED TO ACTIVE CONDITIONS SHOULD BE IN EFFECT 04 NOV.

III. EVENT PROBABILITIES 04 NOV-06 NOV

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 NOV 100

PREDICTED 04 NOV-06 NOV 099/099/100

DAY MEAN 03 NOV 093

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 NOV 016/028

ESTIMATED AFR/AP 03 NOV 022/030

PREDICTED AFR/AP 04 NOV-06 NOV 025/035-018/030-010/025

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