

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/22/87 00:00:00

End : 04/22/87 23:59:00

04/22 22:00

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HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 112

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100Z TO 22/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4797 (N04E64) PRODUCED OCCASIONAL SUBFLARES DURING THE PERIOD. THE OTHER REGIONS WERE QUIET. TWO NEW REGIONS WERE NUMBERED TODAY: REGION 4798 (N27W30) A SIMPLE BIPOLAR GROUP; AND REGION 4799 (N10W01) A SIMPLE SINGLE UNIPOLAR SUNSPOT.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET WITH A PERIOD OF SLIGHTLY UNSETTLED CONDITIONS AT HIGH LATITUDES FROM ABOUT 0730-2100UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 23 APR-25 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

ECAF GREEN

OTTAWA 10.7 CM FLUX

OBSERVED 22 APR 076

PREDICTED 23 APR-25 APR 075/075/075

90 DAY MEAN 22 APR 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 APR 003/007

ESTIMATED AFR/AP 22 APR 004/009

PREDICTED AFR/AP 23 APR-25 APR 010/015-005/010-005/010

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