

SESC Solar Summary and Forecast - For Joe Hirman

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

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

04/04 22:00

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FROM SPACE ENVIRONMENT SERVICES CE(YA+

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04/04 22:00

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HFUS3 BOU 042200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 094

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

::::::: ZTTT?A/TED COPY ::::::::::::

ISSUED 2200Z 04 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100Z TO 04/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4783 (N05W56) IS A CSO TYPE SPOT GROUP. REGION 4786 (S22E59) IS A BXO TYPE SPOT GROUP. A MINOR FLARE WAS OBSERVED IN REGION 4786 THE REMAINDER OF A FILAMENT WHICH PARTIALLY DISAPPEARED ON 03 APRIL WAS NO LONGER VISIBLE TODAY. THE LAST PORTION OF S 9 DEGREES LONG AND LOCATED NEAR N41W21. NO NEW REGIONS WERE NUMBERED TODAY. THE REST OF THE DISK AND LIMBS WERE QUIET.

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IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MIDDLE LATITUDES AND ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS. PERIODS OF ACTIVE CONDITIONS AT MIDDLE LATITUDES AND PERIODS OF MINOR STORM CONDITIONS AT THE HIGHER LATIT+

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A CHANCE THAT ACTIVITY LEVELS MAY INCREASE AGAIN EARLY ON 07 APRIL FROM THE EFFECTS OF A FILAMENT WHICH DISAPPEARED ON 03 APRIL.

III. EVENT PROBABILITIES 05 APR-07 APR

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 APR 074

PREDICTED 05 APR-07 APR 072/072/072

90 DAY MEAN 04 APR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 APR 002/005

ESTIMATED AFR/AP 04 APR 014/016

PREDICTED AFR/AP 05 APR-07 APR 010/015-012/015-014/018

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