

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/07/87 00:00:00

End : 04/07/87 23:59:00

04/07 22:00

17

HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 097

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY WAS LOW. REGION 4787 (S33E60) WAS PROBABLY TWO SEPARATE REGIONS, BUT INSUFFICIENT REPORTS WERE AVAILABLE TODAY TO SPLIT IT. IT PRODUCED A C2/1B FLARE VERY LATE IN THE PERIOD. NEWLY NUMBERED REGION 4788 (S24W07) WAS A SIMPLE BETA-TYPE. NEWLY NUMBERED REGION 4789 (S06E74) WAS A MORE COMPLICATED BETA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 4787 PROVIDES A FAIR CHANCE OF MODERATE LEVEL ACTIVITY DUE TO ITS APPARENT DUAL REGION PROXIMITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED. MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES MIDWAY THROUGH THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 08 APR-10 APR

CLASS M 35/35/35

CLASS X 03/03/03

OTTON 02/05/10

CAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 APR 094

PREDICTED 08 APR-10 APR 095/096/097

90 DAY MEAN 07 APR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 APR 007/009

ESTIMATED AFR/AP 07 APR 013/018

PREDICTED AFR/AP 08 APR-10 APR 013/015-013/015-013/015

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