

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/08/87 00:00:00

End : 04/08/87 23:59:00

04/08 22:00

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HFUS3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 098

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z TO 08/2100Z: SOLAR ACTIVITY WAS LOW TO VERY LOW. REGION 4787

(S34E47) PRODUCED A C2/1B FLARE WITH TYPE II AND IV RADIO SWEEPS AT THE EXTREME END OF THE REPORTING PERIOD YESTERDAY

(07/2044Z). IT WAS SPLIT INTO TWO REGIONS TODAY. THE NEW REGION 4790 (S30E51) TRAILS MOST OF THE ACTIVITY AND IS PROBABLY THE REMAINS OF AN OLDER SPOTTED REGION. NO OTHER SIGNIFICANT FLARES OCCURRED FROM THIS AREA TODAY. BOTH REGIONS 4786 (S23E07) AND 4789 (S05E62) HAD MINOR SUB-FLARING WITH ASSOCIATED X-RAY PEAKS IN B-LEVEL CATEGORY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. REGIONS 4787 AND 4790 PROVIDE A FAIR CHANCE OF MODERATE ACTIVITY WITH AN VERY SLIGHT TO SLIGHT CHANCE OF A PROTON FLARE AS THE REGIONS APPROACH CENTRAL MERIDIAN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED.

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

III. EVENT PROBABILITIES 09 APR-11 APR

CLASS M 40/40/40

CLASS X 04/04/04

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 APR 095

PREDICTED 09 APR-11 APR 097/098/097

90 DAY MEAN 08 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 APR 015/019

ESTIMATED AFR/AP 08 APR 009/012

PREDICTED AFR/AP 09 APR-11 APR 013/015-013/015-013/015

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