

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/19/87 00:00:00

End : 04/19/87 23:59:00

04/19 22:00

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HFUS3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 109

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4790 (S31W90) HAS PRODUCED ONLY A FEW SMALL C-CLASS X-RAY EVENTS AND OPTICAL SUBFLARES DURING THE PAST 24 HOURS. MINOR SURGING IS VISIBLE AS THIS REGION ROUNDS THE WEST LIMB. OTHER REGIONS WERE QUIET. NO REGIONS WERE NUMBERED TODAY.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AT MID LATITUDES. THE HIGH LATITUDE FIELD HAS BEEN UNSETTLED WITH ISOLATED PERIODS AT ACTIVE LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT MINOR STORM LEVELS DURING THE FIRST PORTION OF THE FORECAST PERIOD AS A RESULT OF THE 16/1616Z EVENT FROM REGIONS 4787/4790. UNSETTLED CONDITIONS ARE EXPECTED BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 20 APR-22 APR

CLASS M 10/01/01

CLASS X 01/01/01

OTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 APR 091

PREDICTED 20 APR-22 APR 086/082/080

90 DAY MEAN 19 APR 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 APR 004/007

ESTIMATED AFR/AP 19 APR 008/012

PREDICTED AFR/AP 20 APR-22 APR 030/035-030/040-010/028

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