

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/20/87 00:00:00

End : 04/20/87 23:59:00

04/20 22:00

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AFUS3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 110

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4790 CONTINUED TO PRODUCE MINOR SURGING AS IT DISAPPEARED BEHIND THE WEST LIMB NEAR S31W90. OTHER REGIONS WERE QUIET. MINOR SURGING NEAR N04E90 MAY MARK THE RETURN OF OLD REGION 4783; HOWEVER, NO SPOTS ARE YET VISIBLE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE AT MID LATITUDES SINCE 20/0400 UT. THE HIGH LATITUDE FIELD HAS BEEN MOSTLY ACTIVE WITH ISOLATED PERIODS AT MINOR STORM LEVELS. ALTHOUGH THE INTENSITY OF THE ACTIVITY IS LESS THAN ORIGINALLY FORECAST IT IS PRESUMED TO BE THE RESULT OF THE 16/1616Z EVENT FROM REGIONS 4787/4790.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT ACTIVE LEVELS FOR THE FIRST DAY OF THE FORECAST PERIOD AS PRESENT ACTIVITY CONTINUES. THE FIELD SHOULD BECOME UNSETTLED TO ACTIVE BY THE SECOND DAY OF THE PERIOD.

I. EVENT PROBABILITIES 21 APR-23 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 APR 085

PREDICTED 21 APR-23 APR 082/080/078

90 DAY MEAN 20 APR 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 APR 008/013

ESTIMATED AFR/AP 20 APR 018/021

PREDICTED AFR/AP 21 APR-23 APR 020/021-010/015-010/012

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