

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/18/87 00:00:00

End : 03/18/87 23:59:00

03/18 22:00

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HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 077

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. TWO SPOTTED REGIONS ARE CURRENTLY VISIBLE, REGION 4779 (S33E28) AND REGION 4780 (S20W20). BOTH REGIONS HAVE BEEN QUIET. PLAGE HAS ROTATED ON TO THE DISK NEAR N30 AND S25. SMALL SURGES WERE REPORTED IN THE S25 AREA AND A LONG XRAY ENHANCEMENT STARTING AT 1530UT MAY HAVE BEEN ASSOCIATED WITH THIS AREA. AN EFR WAS REPORTED NEAR N01W10 EARLIER IN THE DAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. THE NEW AREAS ON THE EAST LIMB MAY RESULT IN A SMALL INCREASE IN MINOR FLARES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY QUIET TO UNSETTLED UNTIL 1330UT. THE FIELD HAS BEEN ACTIVE SINCE THAT TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT GENERALLY ACTIVE LEVELS MOST OF THE PERIOD.

III. EVENT PROBABILITIES 19 MAR-21 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MAR 073

PREDICTED 19 MAR-21 MAR 073/073/073

90 DAY MEAN 18 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 MAR 009/015

ESTIMATED AFR/AP 18 MAR 010/012

PREDICTED AFR/AP 19 MAR-21 MAR 018/020-015/018-015/015

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