

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/20/87 00:00:00

End : 03/20/87 23:59:00

03/20 22:00

2001

US3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 079

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REPORTS INDICATE THAT NEWLY NUMBERED REGION 4781 (N24W01) IS A BXO SPOT GROUP AND IS SHOWING SIGNS OF FURTHER DEVELOPMENT WHILE REGION 4779 APPEARS TO HAVE DECAYED TO A PLAGE REGION. A B5/OF PARALLEL RIBBON FLARE WAS OBSERVED FROM REGION 4779 AT 1047 UT ON 20 MAR.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE THE FIRST TWO DAYS OF THE FORECAST PERIOD BECOMING GENERALLY UNSETTLED BY THE LAST DAY.

III. EVENT PROBABILITIES 21 MAR-23 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

OTTAWA 10.7 CM FLUX

OBSERVED 20 MAR 074

PREDICTED 21 MAR-23 MAR 075/075/075

90 DAY MEAN 20 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 MAR 011/014

ESTIMATED AFR/AP 20 MAR 006/008

PREDICTED AFR/AP 21 MAR-23 MAR 010/015-010/013-010/010

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