

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/19/87 00:00:00

End : 03/19/87 23:59:00

03/19 22:00

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HFUS3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 078

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4779

(S33E15) HAS DECAYED TO AN AXX TYPE SPOT WHILE REGION 4780

(S18W35) HAS DECAYED TO A PLAGE REGION. BOTH REGIONS CONTINUE

QUIET. NO NEW REGIONS WERE NUMBERED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE TO UNSETTLED.

MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES EARLY IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE THROUGHOUT THE THREE DAY PERIOD.

THIS FORECAST IS BASED ON RECURRENCE AND THE REPORTS OF

A POSSIBLE CORONAL HOLE LOCATED NEAR W20.

III. EVENT PROBABILITIES 20 MAR-22 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

AF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 MAR 072

PREDICTED 20 MAR-22 MAR 073/073/073

90 DAY MEAN 19 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 MAR 011/013

ESTIMATED AFR/AP 19 MAR 014/017

PREDICTED AFR/AP 20 MAR-22 MAR 015/018-015/018-011/015

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