

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/11/87 00:00:00

End : 03/11/87 23:59:00

03/11 22:00

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HFUS3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 070

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z TO 11/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4778

(N05W93) IS LOCATED BEYOND THE WEST LIMB. IT WAS AN HSX TYPE SPOT GROUP WHEN LAST SEEN. ONE MINOR X-RAY EVENT WAS OBSERVED EARLY TODAY. IT WAS NOT (REPEAT NOT) OPTICALLY CORRELATED WITH REGION 4778. A FILAMENT ALSO DISAPPEARED EARLY IN THE DAY NEAR N39E58. IT WAS 22 DEGREES LONG AND ALSO WAS NOT (REPEAT NOT) CORRELATED WITH THE X-RAY EVENT. NO NEW REGIONS WERE NUMBERED TODAY AND THE REST OF THE DISK AND LIMBS WERE GENERALLY QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED AT ALL LATITUDES WITH A BRIEF PERIOD OF ACTIVE CONDITIONS AT ONE HIGH LATITUDE STATION.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE AT MIDDLE LATITUDES AND ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS. THE OVERALL TEND IS TO DECREASING ACTIVITY LEVELS.

III. EVENT PROBABILITIES 12 MAR-14 MAR

CLASS M 02/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 MAR 071

PREDICTED 12 MAR-14 MAR 071/071/072

90 DAY MEAN 11 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 MAR 010/016

ESTIMATED AFR/AP 11 MAR 012/018

PREDICTED AFR/AP 12 MAR-14 MAR 018/025-012/015-008/015

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