

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/10/87 00:00:00

End : 03/10/87 23:59:00

03/10 22:00

02

HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 069

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4778 (NO6W83) IS NOW AN HSX TYPE SPOT GROUP. NO SIGNIFICANT FLARES WERE OBSERVED AND NO NEW REGIONS WERE NUMBERED TODAY. THE REST OF THE DISK AND LIMBS WERE QUIET.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS RANGED FROM QUIET TO ACTIVE AT ALL LATITUDES WITH EXTENDED PERIODS OF MINOR TO MAJOR STORM CONDITIONS AT THE HIGHER LATITUDES.

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. THIS FORECAST IS BASED ON THE EXPECTED EFFECTS OF SEVERAL MINOR ERUPTIONS IN REGION 4778 ON 08-09 MARCH.

III. EVENT PROBABILITIES 11 MAR-13 MAR

CLASS M 02/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 MAR 072

PREDICTED 11 MAR-13 MAR 071/071/071

90 DAY MEAN 10 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 MAR 007/012

ESTIMATED AFR/AP 10 MAR 012/017

PREDICTED AFR/AP 11 MAR-13 MAR 014/025-018/025-012/015

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