

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/08/87 00:00:00

End : 03/08/87 23:59:00

03/08 22:00

02

HFUS3 BDU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 067

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z TO 08/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4778 (ND5W53) HAS INCREASED SLIGHTLY IN AREA. IT IS NOW A COMPLEX CAI TYPE SPOT GROUP THAT HAS PRODUCED SEVERAL MINOR FLARES. NO NEW REGIONS WERE NUMBERED TODAY AND THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. REGION 4778 IS EXPECTED TO CONTINUE MINOR FLARE PRODUCTION AND THERE IS A CHANCE FOR AN M-CLASS X-RAY FLARE. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS RANGED FROM QUIET TO ACTIVE AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MIDDLE LATITUDES AND ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS. PERIODS OF ACTIVE CONDITIONS AT MIDDLE LATITUDES ARE POSSIBLE, ESPECIALLY IN THE LOCAL NIGHTTIME SECTORS.

III. EVENT PROBABILITIES 09 MAR-11 MAR

CLASS M 10/05/04

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAR 078

PREDICTED 09 MAR-11 MAR 078/077/076

90 DAY MEAN 08 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 MAR 018/029

ESTIMATED AFR/AP 08 MAR 018/020

PREDICTED AFR/AP 09 MAR-11 MAR 012/015-010/015-012/016

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