

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/05/87 00:00:00

End : 03/05/87 23:59:00

03/05 22:00

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HFUS3 BOU 052200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 064

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 05 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4778 (N07W11) HAS BEEN GROWING. IT DEVELOPED SEVERAL MORE SPOTS AND PRODUCED A SUBFLARE DURING THE PERIOD. REGION 4773 (N38W36) HAS DECAYED TO A GROUP OF TWO SUNSPOTS WITHOUT PENUMBRA. THE ONLY OTHER SPOTTED REGION, 4777 (S22W86), WAS QUIET AND IS ROTATING OFF THE WEST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4778 IS LIKELY TO PRODUCE OCCASIONAL SUBFLARES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED FROM 04/2100Z TO ABOUT 05/0430Z. SINCE THEN THE FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE WITH OCCASIONAL PERIODS OF MINOR STORM LEVELS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MID-LATITUDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES FOR 06-07 MARCH. ACTIVE CONDITIONS ARE EXPECTED FOR 08 MARCH FROM THE FILAMENT DISRUPTION WHICH OCCURRED ON 04 MARCH.

III. EVENT PROBABILITIES 06 MAR-08 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAR 075

PREDICTED 06 MAR-08 MAR 075/075/074

90 DAY MEAN 05 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 MAR 010/011

ESTIMATED AFR/AP 05 MAR 010/012

PREDICTED AFR/AP 06 MAR-08 MAR 010/012-010/012-020/023

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