

HFUS 3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 081

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100 TO 21/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THE MOST SIGNIFICANT EVENT WAS A C8/1B AT 1725Z FROM RAPIDLY EMERGING REGION 4450 (N08E20). STRONG GROWTH CONTINUES IN THIS REGION AT REPORT TIME. REGION 4449 (S14E53) CURRENTLY APPEARS TO BE IN AN ORGANIZATIONAL STATE WITH NO DEFINITIVE TREND AT THIS TIME. BOTH REGIONS 4441 (N12W17) AND 4443 (N14E03) CONTINUE A SLOW DECAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. CONTINUED STRONG GROWTH IN REGION 4450 COULD INITIATE A PERIOD OF MODERATE SOLAR ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED THROUGH 23 MARCH WITH ACTIVE CONDITIONS EXPECTED ON 24 MARCH.

III. EVENT PROBABILITIES 22 MAR-24 MAR

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAR 123

PREDICTED 22 MAR-24 MAR 127/127/125

90 DAY MEAN 21 MAR 122

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 MAR 004/008

ESTIMATED AFR/AP 21 MAR 008/010

PREDICTED AFR/AP 22 MAR-24 MAR 010/015-010/015-015/020

SOLTERWARN

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