

HFUS 3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 091

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. EVENTS HAVE BEEN LIMITED TO C LEVEL X-RAY EVENTS (OUT OF REGION 4458 (N20E33)), OPTICAL FLARES, AN ERUPTIVE PROMINENCE ON LIMB (AT APPROXIMATELY 0515 UT) AND MINOR RADIO BURSTS. NO REAL SIGNIFICANT CHANGES WERE NOTED IN ANY OF THE REGIONS THIS PERIOD AND THEY ALL APPEAR STABLE. NO NEW REGIONS WERE NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW TO MODERATE THROUGHOUT THE FORECAST PERIOD. REGIONS 4458 AND 4455 (S13E18) ARE THE LIKELY SOURCES OF ANY MODERATE LEVEL ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT UNSETTLED TO ACTIVE LEVELS, AT ALL LATITUDES, THE FIRST DAY OF THE FORECAST PERIOD. FOR THE REMAINING TWO DAYS OF THE PERIOD, THE FIELD SHOULD BE AT ACTIVE TO MINOR STORM LEVELS, AT ALL LATITUDES.

III. EVENT PROBABILITIES 01 APR-03 APR

CLASS M 60/60/60

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAR 144

PREDICTED 01 APR-03 APR 146/146/144

90 DAY MEAN 31 MAR 126

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 MAR 022/036

ESTIMATED AFR/AP 31 MAR 020/023

PREDICTED AFR/AP 01 APR-03 APR 010/015-024/025-022/025

SOLTERWARN

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