

HFUS 3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 064

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD WITH FLARE ACTIVITY LIMITED TO C LEVEL X-RAY FLARES AND OPTICAL SUBFLARES. REGIONS 4423 (S13W71), 4427 (S12W08) AND 4428 (N05E01) ARE ALL SHOWING SIGNS OF DECAY. REGION 4429 (S15E69) HAS GROWN IN AREA, BUT REMAINS A C TYPE SPOT GROUP. ONE NEW REGION WAS NUMBERED THIS PERIOD, 4430 (S11E46), A B TYPE SPOT GROUP. THE REST OF THE DISK APPEARS STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AT MIDLATITUDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT QUIET LEVELS AT MIDLATITUDES AND UNSETTLED LEVELS AT HIGH LATITUDES THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05 MAR-07 MAR

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAR 120

PREDICTED 05 MAR-07 MAR 116/113/111

90 DAY MEAN 04 MAR 118

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 MAR 025/031

ESTIMATED AFR/AP 04 MAR 011/015

PREDICTED AFR/AP 05 MAR-07 MAR 007/010-005/010-005/010

SOLTERWARN

BT