

HFUS 3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 086

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. THE MOST DRAMATIC DISK CHANGE HAS BEEN CENTERED AROUND REGION 4449 (S14W13) AGAIN. THIS REGION HAS REVERSED ITS PATTERN OF YESTERDAY AND IS AGAIN IN A GROWTH PHASE. THE NUMBER OF SPOT UMBRA HAS INCREASED SIGNIFICANTLY WHILE THE PENUMBRAL AREA HAS DECLINED. IT REMAINS AN E TYPE SPOT GROUP AND THE MAGNETIC COMPLEXITY IS PROBABLY INCREASING. A NEW REGION , 4455 (S13E75) IS VISIBLE TODAY AND IT TOO IS SMALL AND SIMPLE. THE REST OF THE DISK IS RELATIVELY STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW LEVEL FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED UNTIL 28 MARCH. A CORONAL HOLE SHOULD IMPACT THE FIELD ON 28 AND 29 MARCH BRINGING ACTIVE CONDITIONS.

III. EVENT PROBABILITIES 27 MAR-29 MAR

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MAR 121

PREDICTED 27 MAR-29 MAR 122/122/120

90 DAY MEAN 26 MAR 124

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 MAR 030/036

ESTIMATED AFR/AP 26 MAR 012/015

PREDICTED AFR/AP 27 MAR-29 MAR 014/015-020/025-020/025

SOLTERWARN

BT