

HFUS3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 078

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4633 (S12E06) REMAINS A CRO SPOT GROUP WITH A BETA-TYPE MAGNETIC CLASSIFICATION. REGION 4634 (S11E27) PRODUCED A SUBFAINT FLARE AT 19/1344UT. THIS REGION HAS DECREASED IN AREA SINCE YESTERDAY AND IS CURRENTLY AN ALPHA-TYPE MAGNETIC CLASSIFICATION. THERE WAS AN ERUPTIVE PROMINENCE LOCATED AT N11E90 WHICH REACHED .15 RADIUS AT 19/1200UT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED WITH ISOLATED PERIODS OF ACTIVE LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT THREE DAYS. THIS ACTIVITY IS FORECAST BASED ON RECURRENT PATTERNS.

III. EVENT PROBABILITIES 20 MAR-22 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 MAR 075

PREDICTED 20 MAR-22 MAR 075/073/072

90 DAY MEAN 19 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 MAR 010/013

ESTIMATED AFR/AP 19 MAR 010/015

PREDICTED AFR/AP 20 MAR-22 MAR 010/020-014/020-014/015

SOLTERWARN

BT