

HFUS 3 BOU 112200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 071

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THE PAST 24 HOURS. REGION 4429 (S15W25) PRODUCED THE ONLY EVENT WHICH HAD REPORTABLE X RAYS A B3/SN AT 0130UT THIS EVENT HAD MINOR RADIO (7 FLUX UNITS AT 2695MHZ) THROUGH OUT THE DISCRETE RADIO SPECTRUM. NEW REGION NUMBERED TODAY IS 4436 (S17E19) A SIMPLE B TYPE. REGION 4429 CONTINUES AS THE LARGEST GROUP ON THE VISIBLE DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY AT UNSETTLED LEVELS DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED LEVELS UNTIL 13 MARCH WHEN THE EFFECTS OF SEVERAL SMALL FILAMENTS WHICH HAVE DISAPPEARED DURING THE PAST SEVEN DAYS CAUSE THE FIELD TO BE AT ACTIVE, SHORT PERIODS OF MINOR STORM AT THE HIGH LATITUDE SITES, CONDITIONS FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 MAR-14 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 MAR 100

PREDICTED 12 MAR-14 MAR 098/096/095

90 DAY MEAN 11 MAR 118

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 MAR 014/017

ESTIMATED AFR/AP 11 MAR 011/015

PREDICTED AFR/AP 12 MAR-14 MAR 012/015-015/020-015/015

SOLTERWARN

BT