

HFUS 3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 063

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100 TO 03/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. THE LARGEST FLARE WAS A C4/SB FROM REGION 4427 (S12E06) A CRO GROUP WITH A BETA MAGNETIC CONFIGURATION. THE LARGEST AND MOST IMPRESSIVE REGION IS REGION 4423 (S12W55) WHICH HAS A WHITE LIGHT AREA OF 260 MILLIONTHS AND IS A DAO GROUP. ONE NEW REGION WAS NUMBERED TODAY. THIS IS REGION 4429 (S15E85) A SMALL CRO GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THERE IS A CHANCE, HOWEVER, FOR AN ISOLATED M CLASS EVENT FROM REGION 4423 WHILE IT REMAINS ON THE DISK.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS THIS PERIOD. SHORT PERIODS OF MAJOR STORM LEVEL ACTIVITY WERE NOTED, ESPECIALLY AT HIGH LATITUDES AND EARLY ON THE 3RD. MID LATITUDES WERE SOMEWHAT QUIETER AND AVERAGED ACTIVE CONDITIONS. THIS ACTIVITY IS BELIEVED TO BE RELATED TO THE CORONAL HOLE WHOSE LEADING EDGE PASSED CENTRAL MERIDIAN ON THE 27TH OF FEB.

IIB. GEOPHYSICAL ACTIVITY FORECAST: CORONAL HOLE RELATED ACTIVITY IS EXPECTED TO CONTINUE INTO THE FIRST DAY OF THE FORECAST AND PRODUCE ACTIVE CONDITIONS. UNSETTLED CONDITIONS ARE EXPECTED ON THE SECOND AND THIRD DAYS OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04 MAR-06 MAR

CLASS M 40/30/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 MAR 125

PREDICTED 04 MAR-06 MAR 121/118/118

90 DAY MEAN 03 MAR 118

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 MAR 037/038

ESTIMATED AFR/AP 03 MAR 026/035

PREDICTED AFR/AP 04 MAR-06 MAR 018/020-010/010-008/010

SOLTERWARN

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