

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

BT