

HFUS 3 BOU 222200

FROM SPACE ENVIRONMENT-SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 082

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 22 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100
TO 22/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. AN IMPULSIVE,
SHORT-LIVED C8 X-RAY FLARE BEGAN AT 0848Z. THIS WAS FOLLOWED BY
LOOPS AT NW09 BEGINNING AT 0859Z. MINOR DISCRETE BURSTS AT
CORONAL FREQUENCIES AND DEKAMETRIC CONTINUUM WERE RECORDED WITH
THIS EVENT. NO ASSIGNED ACTIVE REGION DEPARTED IN THAT
POSITION; HOWEVER, A SMALL PLAGE AREA WAS APPROACHING THE LIMB
THERE YESTERDAY. AN IMPULSIVE SHORT-LIVED M1 X-RAY FLARE BEGAN
AT 1515Z. NO OPTICAL CORRELATION AND NO RADIO BURSTS WERE
RECORDED WITH THIS EVENT. REGION 4450 (N09E06) PRODUCED A C8/1B
BEGINNING AT 1603Z. MINOR RADIO BURSTS WERE RECORDED WITH THIS
FLARE FROM 245 MHZ THROUGH 15400 MHZ. MOST OF THE FLARES TODAY
OCCURRED IN REGIONS 4450 AND 4449 (S14E40). ALL DISK REGIONS
TODAY ARE SIMPLE IN MAGNETIC STRUCTURE AND NO NEW REGIONS WERE
ASSIGNED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW TO MODERATE. REGIONS 4449 AND 4450 MAY PRODUCE ISOLATED
CLASS M FLARES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z:
THE GEOMAGNETIC FIELD WAS ACTIVE AT MID LATITUDES AND AT MINOR
STORM LEVELS AT HIGH LATITUDES FROM 0000-0900Z. THE FIELD WAS
UNSETTLED THE BALANCE OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE
UNSETTLED ON 23 MARCH AND GENERALLY ACTIVE ON 24-25 MARCH.

III. EVENT PROBABILITIES 23 MAR-25 MAR

CLASS M	50/50/50
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	22 MAR	124
PREDICTED	23 MAR-25 MAR	124/122/120
90 DAY MEAN	22 MAR	122

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP	21 MAR	005/010
ESTIMATED	AFR/AP	22 MAR	016/015
PREDICTED	AFR/AP	23 MAR-25 MAR	010/015-015/025-015/025

SOLTERWARN

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