

HFUS 3 BOU 022200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 093

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 02 APR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100
TO 02/2100Z: SOLAR ACTIVITY HAS BEEN GENERALLY LOW THIS PERIOD.
A C7/3B FLARE OCCURRED AT 2136 UT YESTERDAY IN REGION 4462
(S12E53). THIS FLARE WAS ACCOMPANIED BY A TYPE II RADIO SWEEP,
A 110 FLUX UNIT 245 MHZ RADIO BURST AND OTHER MINOR RADIO
BURSTS. REGION 4462 REMAINS A SPOTLESS REGION AND THE PLAGE HAS
COOLED DOWN SINCE THE FLARE. REGION 4455 (S13W09) PRODUCED A
C9/SB AT 0949 UT. ONLY MINOR RADIO BURSTS WERE ASSOCIATED WITH
THIS FLARE. THIS REGION IS PRESENTLY IN THE DECAY PHASE BUT
STILL MAINTAINS IT'S F TYPE SPOT GROUP CLASSIFICATION AND GAMMA
DELTA MAGNETIC CONFIGURATION. REGION 4458 (N20E06) IS IN IT'S
DECAY PHASE AND HAS NOT CONTRIBUTED ANY SIGNIFICANT ACTIVITY
THIS PERIOD. NO NEW REGIONS HAVE BEEN NUMBERED SINCE REGION
4462 WAS NUMBERED YESTERDAY AT 2200 UT. THE REMAINDER OF THE
DISK APPEARS STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE AT
LOW TO MODERATE LEVELS, THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z:
THE GEOMAGNETIC FIELD HAS CONTINUED AT ACTIVE TO STORM LEVELS,
AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD
SHOULD REMAIN AT ACTIVE TO STORM LEVELS, AT ALL LATITUDES, FOR
THE FIRST TWO DAYS OF THE FORECAST PERIOD. LEVELS SHOULD THEN
DROP TO UNSETTLED TO ACTIVE CONDITIONS, AT ALL LATITUDES, THE
FINAL DAY OF THE PERIOD.

III. EVENT PROBABILITIES 03 APR-05 APR

CLASS M	40/40/40
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	02 APR	139
PREDICTED	03 APR-05 APR	136/135/133
90 DAY MEAN	02 APR	128

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP	01 APR	021/037
ESTIMATED	AFR/AP	02 APR	027/035
PREDICTED	AFR/AP	03 APR-05 APR	022/025-019/025-012/020

SOLTERWARN

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