

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 186

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 04 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100
TO 04/2100Z: SOLAR ACTIVITY WAS AT A LOW TO MODERATE LEVEL
DURING THE PAST 24 HOURS. AN M1/2B FLARE AT 040254Z (MAX)
ACCOUNTED FOR THE MODERATE CONDITIONS. REGION 4532 (S08E59)
PRODUCED THIS EVENT AND THEN BECAME QUIET AGAIN. REGION 4532 IS
A SMALL D TYPE GROUP WITHOUT THE APPEARANCE FOR SUSTAINED
ACTIVITY. IN FACT NONE OF THE VISIBLE REGIONS APPEAR CAPABLE OF
SIGNIFICANT ACTIVITY. AGAIN, IN THE PAST 24 HOURS, SMALL
REGIONS DEVELOPED. IT WAS DECIDED AFTER ALL THE DATA BECAME
AVAILABLE THAT THE NEW SPOTS NEAR N08E13 WERE INDEED PART OF
THE MAGNETIC STRUCTURE WHICH DEFINED REGION 4529 YESTERDAY. THE
NEW SPOTS AT S03W68 WERE NUMBERED 4535.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
AT A LOW LEVEL FOR THE NEXT 24 HOURS. AN ISOLATED M EVENT IS
POSSIBLE FROM 4525 OR 4532.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z:
THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE DURING THE PAST
24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO REMAIN AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT
THREE DAYS.

III. EVENT PROBABILITIES 05 JUL-07 JUL

CLASS M	10/10/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	04 JUL	102
PREDICTED	05 JUL-07 JUL	103/104/105
90 DAY MEAN	04 JUL	118

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP	03 JUL	014/017
ESTIMATED	AFR/AP	04 JUL	012/014
PREDICTED	AFR/AP	05 JUL-07 JUL	010/015-010/015-010/015

SOLTERWARN

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