

HFUS 3 BCU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 067

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 08 MAR 1983

A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100
TO 08/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THE PAST 24
HOURS. THE LARGEST EVENT OBSERVED WAS A C2/SN AT 08/1956UT FROM
REGION 4104 (S09W60). REGION 4104 HAS EXHIBITED GROWTH AND IS
NOW A BETA GAMMA. NEW REGION 4110 (S02W12) IS A RAPIDLY GROWING
D TYPE GROUP WITH AN ARCH FILAMENT SYSTEM. THE REST OF THE
REGIONS ARE REPORTED AS STABLE OR SLIGHTLY DECAYED THIS PERIOD.

B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE LOW DURING THIS FORECAST PERIOD. REGIONS 4104 AND
4110, IF RAPID GROWTH OR CHANGE CONTINUES, MAY BECOME CAPABLE
OF M CLASS EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT
MIDLATITUDES WITH SHORT PERIODS OF ACTIVE LEVELS AT THE HIGH
LATITUDE SITES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO
CONTINUE GENERALLY UNSETTLED UNTIL LATE ON 10 MARCH WHEN THE
EFFECTS OF THE CORONAL HOLE, LEADING EDGE WEST 25, REACHES
EARTH. THE FIELD IS EXPECTED TO BE AT ACTIVE LEVELS FOR THE
REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 MAR-11 MAR

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAR 130

PREDICTED 09 MAR-11 MAR 125/120/117

90 DAY MEAN 08 MAR 150

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 MAR 007/011

ESTIMATED AFR/AP 08 MAR 009/015

PREDICTED AFR/AP 09 MAR-11 MAR 010/015-010/015-020/015

ALTERWARN

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