

HFUS 3 001 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

I. 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 03/1956UT 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.

II. 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

OLTERWARM

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