

HF US 3 BOU 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 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 008/015

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

SOLAR WARM

BT

NNNN&SV

END