

HFUS 1 BOU 041400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 035A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 04 FEBRUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
03/1200UT TO 04/1200UT:

SOLAR ACTIVITY HAS BEEN LOW TO MODERATE DURING THE PAST 24 HOURS. AN M1 X-RAY EVENT BEGAN AT 03/1801Z WITH NO REPORTED OPTICAL CORRELATION. THE ONLY OTHER EVENT, OPTICAL AND X-RAY, RECORDED SINCE THEN WAS A C6/2N AT 04/0120Z (X-RAY MAX). THE FLARE WAS N/S IN ORIENTATION AND EAST OF THE TRAILER SUN-SPOT OF REGION 2911 (S13W43). CULGOORA REPORTED EMERGING SPOTS AT THE SOUTHERN POINT OF THE FLARE. WITH THE EXCEPTION OF THIS EMERGING FLUX, THE GENERAL DECAY IN REGIONS 2911; 2918 (S11W22); 2916 (N14W30); AND 2923 (N19W01) CONTINUES. ATHENS OBSERVATORY REPORTS AN H-TYPE SPOT ROTATING ON TO THE DISK AT NE 11 WHERE LEARMONTH REPORTED SURGING EARLIER THIS ZULU DAY. REGIONS 2928 (S15W69) AND 2929 (S13E17) WERE ADDED YESTERDAY.

IB. SOLAR ACTIVITY FORECAST:

WITH THE GENERAL DECAY IN THE ESTABLISHED DISK REGIONS, SOLAR ACTIVITY IS EXPECTED TO BE LOW THROUGH THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS TRANSITIONED FROM SLIGHTLY ACTIVE TO QUIET CONDITIONS DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE QUIET TO SLIGHTLY UNSETLED UNTIL 07 FEBRUARY AND THEN TO BECOME UNSETLED TO SLIGHTLY ACTIVE.

III. EVENT PROBABILITIES: 05-07 FEB

CLASS M 20/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 03 FEB 215

ESTIMATED 04 FEB 210

PREDICTED 05-07 FEB 208/205/202

90 DAY MEAN 03 FEB 205

V. GEOMAGNETIC INDICES

OBSERVED AFR 02 FEB 22 AP 03 FEB 11

ESTIMATED AFR 03 FEB 11 AFR/AP 04 FEB 05/08

PREDICTED AFR/AP 05-07 FEB 08/10 10/08 12/18

SOLTERWARN

BT

HFUS 3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 035B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200UT 04 FEB 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
04/1200UT TO 04/2200UT:

SOLAR ACTIVITY HAS BEEN LOW. ONLY SUBFLARES AND SMALL CLASS "C"
XRAY BURSTS HAVE BEEN REPORTED. A LARGE "C" TYPE SPOT GROUP
ROTATED OVER THE EAST LIMB AND IS NUMBER 2930 (NIE 75).

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY SHOULD CONTINUE LOW AS VISIBLE DISK REGIONS
CONTINUE TO DECAY.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO UNSETLED
CONDITIONS SHOULD CONTINUE.

III. EVENT PROBABILITIES: 05 FEB - 07 FEB

CLASS M 20/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 04 FEB 204 203

PREDICTED 05-07 FEB 198/195/190

90 DAY MEAN 04 FEB 203 204

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 FEB 11/11

ESTIMATED AFR/AP 04 FEB 07/07

PREDICTED AFR/AP 05-07 FEB 08/10 10/08 12/14

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