

HFUS-1 BOU 231400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 0234

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200UT 23 JAN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
22/1200UT TO 23/1200UT:

ACTIVITY REMAINED AT LOW LEVELS DURING THIS PERIOD. EIGHT SUB-
FLARES WERE OBSERVED, ALL OF THEM OPTICALLY SUBFAINT. THE X-RAY
FLUX NEVER GOT ABOVE THE C1.2 LEVEL. NONE OF THE TEN SPOTTED
REGIONS ON THE DISK HAS CHANGED SIGNIFICANTLY SINCE YESTERDAY.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW LEVELS. THE CHANCE
OF A MAJOR FLARE SEEMS VERY REMOTE. NO ACTIVE RETURNING REGIONS
ARE EXPECTED AT THE EAST LIMB.

II. GEOPHYSICAL SUMMARY AND FORECAST:

GEOMAGNETIC ACTIVITY WAS ACTIVE BETWEEN 22/1200 AND 23/0000UT
AND THEN QUIET UNTIL 23/1030 UT WHEN THE FIELD AGAIN BECAME
ACTIVE. MOSTLY QUIET LEVELS ARE EXPECTED.

III. EVENT PROBABILITIES 24-26 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROMPT 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 22 JAN 161

ESTIMATED 23 JAN 161

PREDICTED 24-26 JAN 162/164/165

90 DAY MEAN 22 JAN 207

V. GEOMAGNETIC INDICES

OBSERVED AFR 21 JAN 02 AP 22 JAN 09

ESTIMATED AFR 22 JAN 09 AFR/AP 23 JAN 05/08

PREDICTED AFR/AP 24-26 JAN 05/08 05/08 05/08

SOLTERWARN

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HFUS 3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDR NUMBER 023B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200UT 23 JANUARY 1981

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
23/1200UT TO 23/2200UT:

SOLAR ACTIVITY REMAINS LOW. ACTIVITY IS CONFINED TO ISOLATED
SUBFLARES WITH ACCOMPANYING X-RAY BURSTS AT OR BELOW CLASS C1.

I B. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET EXCEPT FOR ACTIVE CONDITIONS (1030-1400Z) ASSOCIATED WITH SUBSTORM ACTIVITY. THE FIELD IS EXPECTED TO BE QUIET TO UNSETLED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 24-26 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

V. OTTAWA 10.7 FLUX

OBSERVED 23 JAN 162

PREDICTED 24-26 JAN 162/164/165

90 DAY MEAN 23 JAN 207

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 JAN 10/09

ESTIMATED AFR/AP 23 JAN 08/08

PREDICTED AFR/AP 24-26 JAN 05/08 05/08 05/08

SOLTERWARN

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