

HFUS 1 BOU 081400

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

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1200UT 08 MARCH 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
07/1200UT TO 08/1200UT:

SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD, WITH ONLY C-CLASS
EVENTS OBSERVED. REGION 2971 (N10E49) HAS SHOWN GOOD SPOT GROWTH
AND HAS PRODUCED MOST OF THE RECENT SUBFLARE ACTIVITY. REGION
2964 (S04W03) HAS BEEN SURPRISINGLY QUIET FOR A BETA-GAMMA TYPE
REGION WITH 600 MILLIONTHS AREA.

B. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE MOSTLY LOW. REGION 2971 STILL
MUST GROW BEFORE IT WILL HAVE GOOD MAJOR FLARE POTENTIAL. REGION
2964 OFFERS THE BEST CHANCE OF AN M-CLASS EVENT.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS FORECAST TO REMAIN SO

III. EVENT PROBABILITIES: 09-11 MARCH

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 07 MARCH 205

ESTIMATED 08 MARCH 198 205

PREDICTED 09-11 MARCH 194/190/186

90 DAY MEAN 07 MARCH 204 205

V. GEOMAGNETIC A INDICES

OBSERVED AFR 06 MAR 12 AP 07 MAR 19 / 17

ESTIMATED AFR 07 MAR 17 ✓ AFR/AP 08 MAR 07/08

PREDICTED AFR/AP 09-11 MAR 08/08 08/08 08/08

SOLTERWARN

BT

HFUS 3 BOU 082200

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

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 0200UT 08 MARCH 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
08/1200UT TO 08/2200UT:

SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD. THE LARGEST
EVENT WAS A C5/SB WITH X-RAY MAX AT 08/1903Z FROM REGION 2971
(N08E40). THIS REGION HAS PRODUCED MOST OF THE REPORTED FLARES
DURING THIS PERIOD. REGIONS 2973 (S09W10), 2974 (N11E48),
AND 2975 (S05E76) HAVE BEEN ADDED TODAY.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE LAST 10
HOURS. THE FIELD IS EXPECTED TO BE QUIET TO UNSETTLED DURING
THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 09-11 MARCH

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 08 MAR 205

PREDICTED 09-11 MAR 194/190/186

90 DAY MEAN 08 MAR 204

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 MAR 17/19

ESTIMATED AFR/AP 08 MAR 09/12

PREDICTED AFR/AP 09-11 MAR 08/08 08/08 08/08

SOLTERWARN

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