

HFUS 1 BOU 021300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 122A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200OUT 02 MAY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

01/1200OUT TO 02/1200OUT:

SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ALL X-RAY BURSTS HAVE BEEN BELOW THE C4 LEVEL. REGIONS 3079 (N08E32) AND 3080 (N16E40) HAVE SOME DEGREE OF COMPLEXITY AND SHOULD PRODUCE THE LARGEST X-RAY FLARES.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. OLD ACTIVE REGION 3035 IS DUE BACK ON 05 MAY.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE. THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES: 03 - 05 MAY

CLASS M 15/15/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 01 MAY 185

ESTIMATED 02 MAR 190

PREDICTED 03-05 MAY 195/199/210

90 DAY MEAN 01 MAY 211

V. GEOMAGNETIC A INDICES

OBSERVED AFR 30 APR 08 AP 01 MAY 16

ESTIMATED AFR 01 MAY 11 AFR/AP 02 MAY 09/15

PREDICTED AFR/AP 03-05 MAY 12/15 10/15 10/08

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HFUS 3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLO

SDF NUMBER 122B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200UT 02 MAY 81

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/1200UT
TO 02/2200UT:

SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 10 HOURS WITH ONLY
LOW-LEVEL C-CLASS X-RAY EVENTS RECORDED. THE LARGEST OF THESE
WAS A C3/1N FLARE IN REGION 3088 (N17E56) AT 1730Z MAXIMUM. SUBFLARES
HAVE BEEN OBSERVED IN REGIONS 3080 (N16E35) AND 3079 (N08E30).
NEW REGIONS 3089 (N10E54) AND 3090 (S20E78) WERE NUMBERED TODAY.
WITH 3090 DISPLAYING A SMALL BRIGHT PLAGE.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THE NORTHEAST QUADRANT
OF THE SUN, COMPOSED OF REGIONS 3079 AND 3080 ALONG WITH SEVERAL
OTHER DEVELOPING REGIONS, SHOULD BE THE SOURCE OF MOST OF THE MINOR
ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. NO SIGNIFICANT CHANGE
FROM THIS LEVEL IS EXPECTED THROUGHOUT THE NEXT 24 HOURS.

III. EVENT PROBABILITIES: 03 MAY - 05 MAY

CLASS M 15/15/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 02 MAY 190

PREDICTED 03 - 05 MAY 195/199/210

90 DAY MEAN 02 MAY 211

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 MAY 13/16

ESTIMATED AFR/AP 02 MAY 12/15

PREDICTED AFR/AP 03 - 05 MAY 12/15 10/15 10/08

SOLTERWARN

BT