

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 308

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 4 NOVEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. GROWING REGION 1382 (S13E37) HAS PRODUCED THE ONLY OBSERVED FLARE ACTIVITY WHICH CONSISTED OF TWO MINOR SUBFLARES. REGION 1374 (S24W02) IS DECAYING RAPIDLY IN WHITE LIGHT AND BECOMING LESS COMPLEX. NEARBY 1381 (S19W12) IS ALSO DECAYING BUT AT A SLIGHTLY SLOWER RATE. REGION 1385 (N17E09) HAS NOW EXHIBITED SMALL TRAILER SPOTS WHICH MAKE THIS SCATTERED REGION APPROXIMATELY 13 DEGREES IN EXTENT.

IB. SOLAR ACTIVITY IS EXPECTED TO REACH MODERATE LEVELS DURING THE NEXT 72 HOURS. THE 1374/1381 COMPLEX, IN SPITE OF THEIR RECENT DECAY, RETAIN MAJOR FLARE POTENTIAL. REGION 1382 SHOULD BECOME AN INCREASING CONTRIBUTOR TO OVERALL ACTIVITY LEVELS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. BARRING THE OCCURRENCE OF A FLARE INDUCED DISTURBANCE, THE FIELD SHOULD REMAIN QUIET TO SLIGHTLY UNSETTLED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 05 NOVEMBER - 07 NOVEMBER

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 NOVEMBER 181

PREDICTED 05-07 NOVEMBER 184/186/188

90-DAY MEAN 04 NOVEMBER 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 NOVEMBER 10

ESTIMATED AFR/AP 04 NOVEMBER 03/08

PREDICTED AFR/AP 05-07 NOVEMBER 05/08 - 05/08 - 06/10

SOLTERWARN

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SDF NUMBER 308

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS. AN X-RAY CLASS M₁ EVENT MAXED AT 1824 UT BUT COULD NOT BE ASSOCIATED WITH A REGION ON THE DISK. LOOPS OBSERVED ON THE EAST LIMB BEHIND NEW REGION 2101 (N24E77) ARE PROBABLY ASSOCIATED WITH THE EVENT, AND OLD REGION 2045 IS EXPECTED TO RETURN NEAR THAT LOCATION TOMORROW. SEVERAL C-CLASS X-RAY EVENTS OCCURED AND WERE ASSOCIATED WITH REGIONS 2084 (N19W34) AND NEW REGION 2102 (N21E30) WHICH IS A C-TYPE GROUP THAT FORMED RAPIDLY. TWO MORE NEW REGIONS WERE NUMBERED TODAY. THEY ARE 2103 (N17W71) AND 2100 (S22E27).

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE AS NEW REGIONS NEAR THE EAST LIMB DEVELOP.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED FOR THE PAST 24 HOURS. GEOMAGNETIC ACTIVITY IS EXPECTED TO DECREASE THROUGH THE FORECAST PERIOD UNLESS MAJOR FLARE ACTIVITY OCCURS.

III. EVENT PROBABILITIES 05 - 07 NOVEMBER

CLASS M 55/60/65

CLASS X 05/05/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 NOVEMBER 2 15

PREDICTED 05 - 07 NOVEMBER 2 18/220/224

90-DAY MEAN 04 NOVEMBER 2 03

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 NOVEMBER 05

ESTIMATED AFR/AP 04 NOVEMBER 12/12

PREDICTED AFR/AP 05 - 07 NOVEMBER 10/15 8/12 6/12

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