

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 331

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 NOVEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. SEVERAL SUBFLARES WERE OBSERVED FROM REGIONS 1407 (N13W42) AND 1416 (N28E25). TWO C3 X-RAY EVENTS MAXED 0821Z AND 1413Z, BUT HAD NO OPTICAL DATA DUE TO CLOUDS. REGION 1407 CONTINUES TO GROW WITH A STRONG AFS PRESENT. REGION 1417 (N14E51) AND REGION 1416 APPEAR TO BE THE MOST SIGNIFICANT OF THE MANY REGIONS IN THE NE QUADRANT. NEW REGION 1428 (S26E04) IS A SIMPLE B GROUP. NEW REGION 1429 (S17E78) APPEARS TO BE LEADING SPOT OF OLD REGION 1382 WHICH WAS ACTIVE LAST ROTATION.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY IN THE NEXT 24 HOURS, BUT REMAIN GENERALLY AT LOW LEVELS. REGIONS 1407, 1417 AND 1429 COULD PRODUCE AN ENERGETIC EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 28 NOVEMBER - 30 NOVEMBER

CLASS M 10/20/25

CLASS X 01/01/05

FROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 NOVEMBER 149

PREDICTED 28-30 NOVEMBER 153/158/161

90-DAY MEAN 27 NOVEMBER 156

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 NOVEMBER 25

ESTIMATED AFR/AP 27 NOVEMBER 13/15

PREDICTED AFR/AP 28-30 NOVEMBER 11/11 - 09/10 - 07/07

SOLTERWARN

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SDF NUMBER 331

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 NOV 1979

IA. SOLAR ACTIVITY HAS REMAINED LOW. ALTHOUGH NEW REGIONS CONTINUE TO FORM AND TO ROTATE ONTO THE DISK, THEY ARE SIMPLE REGIONS LACKING IN DYNAMIC BEHAVIOR. REGION 2138 (S25W57) IS NOW A SMALL D TYPE GROUP AND NO LONGER APPEARS CAPABLE OF SIGNIFICANT ACTIVITY. TWO MORE REGIONS WERE NUMBERED TODAY; REGION 2152 (S15W31) AND REGION 2153 (S23E77). CONFUSION HAS EXISTED OVER REGIONS 2147 (S12E46) AND 2149 (S15E60). MAGNETIC DATA INDICATES THAT BOTH SPOTS ARE OF LEADER POLARITY AND SHOULD BE TWO REGIONS INSTEAD OF ONE. IN GENERAL, THE DISK CONTINUES QUIESCENT.

IB. SOLAR ACTIVITY WILL CONTINUE LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO OCCASIONALLY UNSETTLED. NO CHANGE IS EXPECTED UNTIL THE 30TH WHEN THE EFFECTS FROM A DISAPPEARING FILAMENT MAY BE FELT.

III. EVENT PROBABILITIES 28 NOV - 30 NOV

CLASS M 15/15/15

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 NOV 160

PREDICTED 28-30 NOV 160/156/154

50-DAY MEAN 27 NOV 219

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 26 NOV 02

ESTIMATED AFR/AP 27 NOV 06/06

PREDICTED AFR/AP 28-30 NOV 06/10 08/12 14/14

SOLTERWARN

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