

HOUS 1-BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 307

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 NOVEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. AN M1 X-RAY EVENT WAS OBSERVED AT 0033 U.T. (MAX) BUT COULD NOT BE CORRELATED OPTICALLY. SEVEN CLASS C SUBFLARE EVENTS HAVE BEEN OBSERVED FROM REGION 1382 (S13E51) WHICH NOW HAS 23 SPOTS. THE 1381 (S19E02) AND 1374 (S25E09) COMPLEX IS THE MOST INTERESTING ON THE DISK. THE LARGEST TRAILER SPOT OF REGION 1381 FORMS A TIGHT MAGNETIC GRADIENT WITH THE LARGE LEADER OF REGION 1374. BOTH HAVE INCREASED IN SPOT COUNT AND COMPLEXITY. NEW REGION 1383 (S11W36) HAS APPEARED JUST WEST OF REGION 1371 (S13W27). NEW REGION 1384 (N11W20) IS A SIMPLE REGION. NEW REGION 1385 (N17E80) APPEARS TO BE THE LEADING PORTION OF RETURNING REGION 1340 BUT HAS PRODUCED NO SIGNIFICANT ACTIVITY.

IB. SOLAR ACTIVITY WILL BE INCREASING TO MODERATE LEVELS DURING THE NEXT 48 HOURS. A SIGNIFICANT FLARE IS POSSIBLE FROM THE 1381/1374 COMPLEX. REGION 1382 COULD PRODUCE AN ENERGETIC EVENT. REGION 1348 PRODUCED TWO M FLARES LAST ROTATION AND IS DUE BACK AT SE22.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 24 HOURS. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED FOR THE FORECAST PERIOD. WITH A SIGNIFICANT FLARE FROM EITHER REGION 1381 OR REGION 1374, A GEOMAGNETIC STORM IS POSSIBLE.

III. EVENT PROBABILITIES 04 NOVEMBER - 06 NOVEMBER

CLASS M 40/50/60

CLASS X 05/10/10

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 NOVEMBER 173

PREDICTED 04-06 NOVEMBER 179/183/185

90-DAY MEAN 03 NOVEMBER 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 NOVEMBER 09

ESTIMATED AFR/AP 03 NOVEMBER 07/08

PREDICTED AFR/AP 04-06 NOVEMBER 07/08 - 07/06 - 07/08

SOLTERWARN

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HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 307

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 NOVEMBER 1979

IA. ONCE AGAIN SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS.
TWO C8 X-RAY EVENTS OCCURRED, THE FIRST AT 0238Z (REGION UNKNOWN),
AND THE SECOND AT 1804Z IN REGION 2088 (S13E09). SMALLER FLARES
WERE REPORTED FROM REGIONS 2084 (N18W20) AND 2077 (N25W60).

IB. SOLAR ACTIVITY WILL REMAIN AT LOW LEVELS. NEW REGION 2099
(S13E74) HAS A BRIGHT, COMPACT PLAGE AND POSSIBLE MAJOR FLARE
POTENTIAL. NO OTHER REGIONS ARE VERY INTERESTING.

II. GEOMAGNETIC ACTIVITY WAS GENERALLY UNSETTLED DURING THE PAST
24 HOURS. THESE CONDITIONS ARE FORECAST TO CONTINUE FOR THE NEXT
72 HOURS.

III. EVENT PROBABILITIES 04-06 NOV

CLASS M 50/55/60

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 NOV 211

PREDICTED 04-06 NOV 211/213/215

90-DAY MEAN 03 NOV 202

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 02 NOV 08

ESTIMATED AFR/AP 03 NOV 08/12

PREDICTED AFR/AP 04-06 NOV 12/15 12/15 10/12

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