

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 309

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 NOVEMBER 1978

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS WITH ONLY WEAK C-CLASS X-RAY BURSTS BEING OBSERVED. REGION 1382 (S13E23) IS AN E-TYPE (BETA GAMMA MAGNETICALLY) GROUP WITH AN ARCH FILAMENT SYSTEM AND PRODUCED SEVERAL SUBFLARES. THE COMPLEX COMPOSED OF REGIONS 1381 (S18W24) AND 1374 (S25W13) HAS BEEN GENERALLY STABLE. REGION 1385 (N17E58), AN E-TYPE GROUP, HAS DISPLAYED MINOR FLARE FLUCTUATIONS. A NEW B-TYPE GROUP, REGION 1387, WITH AN AFS DEVELOPED NEAR S23E05. AN ACTIVE PROMINENCE REGION WAS OBSERVED NEAR SW31.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE DURING THE NEXT 24 HOURS. C-CLASS X-RAY ACTIVITY SHOULD DOMINATE, BUT M-CLASS FLARES ARE POSSIBLE.

II. THE GEOMAGNETIC FIELD WAS GENERALLY QUIET DURING THE PAST 24 HOURS. SIMILAR CONDITIONS SHOULD PREVAIL THROUGH 08 NOVEMBER.

III. EVENT PROBABILITIES 06 NOVEMBER - 08 NOVEMBER

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 NOVEMBER 184

PREDICTED 06 - 08 NOVEMBER 186/188/188

90-DAY MEAN 05 NOVEMBER 149

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 NOVEMBER 02

ESTIMATED AFR/AP 05 NOVEMBER 05/07

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

SOLTERWARN

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SDF NUMBER 309

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.
REGION 2102 (N19E13) PRODUCED TWO M CLASS X-RAY EVENTS A M1/SN
AT 0042 UT AND A M2/SB AT 0209, BOTH EVENTS WERE ACCOMPANIED BY
MINOR RADIO BURSTS. REGION 2099 (S14E49) HAS PRODUCED THREE M
CLASS X-RAY EVENTS A M2/2B AT 1155 UT, M1/1B AT 1741 UT AND
A M1/1N AT 1948 UT ALL EVENTS HAD MINOR RADIO BURSTS ASSOCIATED
WITH THEM. REGION 2084 (N18W46) PRODUCED A C9/1B AT 1818 UT.
REGION 2088 (S14W18) PRODUCED A M1/1N FLARE AT 2351 UT ON 04
NOVEMBER A TYPE II SWEEP ACCOMPANIED THIS EVENT, NEW REGIONS
TODAY ARE 2104 (S29E72) C TYPE, 2105 (S09E65) B TYPE, 2106
(S15E78) D TYPE AND 2107 (S16E64) A TYPE.

IB. AN INCREASE OF ACTIVITY IS EXPECTED WITH MOST OF THE
ACTIVITY EXPECTED FROM REGION 2099. WITH FIVE REGIONS IN
THE SOUTHEAST QUADRANT SOME INTERACTION BETWEEN REGIONS
COULD OCCUR.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET FOR THE
PAST 24 HOURS. GEOMAGNETIC ACTIVITY IS EXPECTED TO REMAIN
QUIET FOR THE NEXT 48 HOURS THEN UNSETTLED FOR THE REST OF
THE 24 HOURS.

III. EVENT PROBABILITIES 06 - 08 NOVEMBER

CLASS M 75/80/80

CLASS X 10/15/20

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 NOV 240

PREDICTED 06-08 NOV 24.6/25.0/25.8

90-DAY MEAN 05 NOV 204

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICSBURG 04 NOV 07

ESTIMATED AFR/AP 05 NOV 03/06

PREDICTED AFR/AP 06-08 NOV 06/08 06/10 08/12

SOLTERWARN

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