

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 317

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 NOVEMBER 1978

IA. SOLAR ACTIVITY REMAINED LOW DURING THE PAST 24 HOUR PERIOD.
REGIONS 1385 (N19W51) 1382 (S14W84) AND 1394 (N24E06) HAVE PRODUCED
SEVERAL C CLASS X-RAY FLARES THE LARGEST WAS A C4 AT 0825

UT. REGION 1385 CONTINUES AS A E TYPE BETA GAMMA BUT HAS SHOWN
SIGNS OF BECOMING MORE STABLE. REGION 1394 HAS EXHIBITED RAPID
GROWTH DURING THE PAST 12 HOURS.

IB. SOLAR ACTIVITY WILL BE LOW DURING THE NEXT 24 HOURS. REGION
1385 SHOULD REMAIN STABLE THIS PERIOD. REGION 1394 WILL CONTINUE
TO GROW BUT AT A SLOWER PACE.

II. THE GEOMAGNETIC FIELD CONTINUES AT ACTIVE LEVELS. GEOMAGNETIC
FIELD EXPECTED TO BE AT OR NEAR ACTIVE LEVELS FOR THE NEXT 24
HOURS THEN TO BECOME UNSETTLED FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 NOV - 16 NOV

CLASS M 60/50/40

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 NOV 148

PREDICTED 14 - 16 NOV 146/143/142

90-DAY MEAN 13 NOV 152

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 NOV 36

ESTIMATED AFR/AP 13 NOV 18/24

PREDICTED AFR/AP 14 - 16 NOV 13/22 - 10/15 - 10/12

SOLTERWARN

BT

HFUS 1 BOU 132120

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SDF NUMBER 317

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.
ONLY ONE M CLASS X-RAY EVENT WAS RECORDED AN M-1 AT 0907 UT, NO
OPTICAL CORRELATION. OTHER EVENTS REPORTED WERE A C4/SN AT 0424 UT
FROM REGION 2110 (N20W80). A BRIGHT SURGE ON LIMB WAS REPORTED
WITH THE 1553 UT EVENT, REGION 2102. THE DECAY IN REGION 2099
(S14W58) CONTINUES. REGION 2110 HAS SHOWN SOME GROWTH AND NOW HAS
DELTA IN THE LARGEST TRAILER. NEW REGIONS TODAY ARE 2123 (S08E15),
2124 (S33E34) AND 2125 (S20W55) ALL ARE SIMPLE GROUPS AT THIS
TIME.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE. REGIONS 2099,
2106 (S23W80) AND 2110 SHOULD CONTINUE TO PRODUCE AN OCCASIONAL
M-CLASS X-RAY EVENT, AN ISOLATED X-CLASS EVENT WILL ALSO BE
POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN NEAR MINOR STORM LEVELS DURING
THE PAST 24 HOURS. THE FIELD IS EXPECTED TO RETURN TO UNSETTLED
LEVELS DURING THE NEXT 24 HOURS AND REMAIN UNSETTLED FOR THE REST
OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14-16 NOVEMBER

CLASS M 60/60/60

CLASS X 25/25/25

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 NOV 273

PREDICTED 14-16 NOV 252/234/226

90-DAY MEAN 13 NOV 218

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 NOV 08

ESTIMATED AFR/AP 13 NOV 22/31

PREDICTED AFR/AP 14-16 NOV 14/20/10/15 08/10

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