

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 319

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 NOVEMBER 1978

IA. SOLAR ACTIVITY REMAINED LOW DURING THE PAST 24 HOUR PERIOD.
A FEW C CLASS X-RAY FLARES WERE OBSERVED. REGION 1385 (N19W78)
PRODUCED A C6/SN FLARE AT 1115 U.T. AND A C4/SF FLARE AT 1937 U.T.
REGION 1394 (N24W19) HAS BECOME STABLE. NEW REGIONS 1401 (S18W13)
SIMPLE B TYPE GROUP, 1402 (N11W00) C TYPE SHOWING RAPID GROWTH
AND 1403 (S17E82) IS RETURNING REGION 1364, WHICH HAD 4 FLARES
LAST TRANSIT, ONLY H TYPE SPOT IS CURRENTLY SEEN.

IB. SOLAR ACTIVITY WILL CONTINUE TO BE LOW FOR THE NEXT 24 HOURS.
REGION 1385 WILL CONTINUE TO REMAIN A THREAT FOR M CLASS FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET. THE GEO-
MAGNETIC FIELD IS EXPECTED TO BE QUIET.

III. EVENT PROBABILITIES 16 NOV - 18 NOV

CLASS M 30/20/20

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 NOV 137

PREDICTED 16-18 NOV 137/137/138

90 DAY MEAN 15 NOV 153

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 NOV 08

ESTIMATED AFR/AP 15 NOV 06/10

PREDICTED AFR/AP 16-18 NOV 06/10 - 06/08 - 06/07

SOLTERWARN

BT

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SDF NUMBER 319

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE. NO OPTICAL REPORTS WERE
RECEIVED FOR A M1 (0045Z MAX) AND A M2 (0743Z MAX). REGION 2110
(N32W32) PRODUCED A M1/SB WITH MAX AT 1654Z. REGION 2112 (N10W22)
PRODUCED A PARALLEL RIBBON M3/2B WITH MAX AT 2029Z. BOTH THESE
FLARES PRODUCED MODERATE SHORT WAVE FADES AND CENTIMETRIC BURSTS.
REGIONS 2110, 2106 (S16W51), AND 2118 (N14W00), THOUGH DECAYING
IN STRUCTURE, MAINTAIN A BETA GAMMA CONFIGURATION. REGION 2112
IS ALSO A BETA GAMMA BY VIRTUE OF A DOUBLE NEUTRAL LINE
WITHIN ITS STRUCTURE. OTHER DISK REGIONS ARE SIMPLE MAGNETICALLY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A MODERATE LEVEL
THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED
TO BE GENERALLY UNSETTLED THROUGH THE FORECAST PERIOD WITH THE
FIELD RESPONSE BECOMING STRONGER WITH EACH SUCCEEDING DAY.

III. EVENT PROBABILITIES 16-18 NOV

CLASS M 60/60/60

CLASS X 20/15/10

PROTON 15/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 NOV 245

PREDICTED 16-18 NOV 235/225/220

90-DAY MEAN 15 NOV 220

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 14 NOV 12

ESTIMATED AFR/AP 15 NOV 03/05

PREDICTED AFR/AP 16-18 NOV 07/08 09/10 11/15

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