

HFUS 1 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 318

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 NOVEMBER 1978

I A. SOLAR ACTIVITY REMAINED LOW DURING THE PAST 24 HOUR PERIOD.
A FEW C CLASS X-RAY FLARES WERE OBSERVED WITH THE LARGEST BEING
A C3 AT 1409 UT. REGION 1394 (N24W05) GROWTH HAS SLOWED. NEW
REGIONS 1399 (N31E37) AND 1400 (N17E68) ARE VERY SIMPLE A
TYPE GROUPS.

I B. SOLAR ACTIVITY WILL BE LOW DURING THE NEXT 24 HOURS. REGION
1394 WILL CONTINUE TO SHOW A SLOW GROWTH. REGION 1385 (N19W84)
WILL CONTINUE TO DECAY, HOWEVER IT WILL REMAIN A THREAT FOR M
CLASS FLARES.

II. THE GEOMAGNETIC FIELD HAS FLUCTUATED FROM QUIET TO ACTIVE
LEVELS. THE GEOMAGNETIC FIELD WILL BE UNSETLED, BECOMING
QUIET NEAR THE END OF FORECAST PERIOD.

III. EVENT PROBABILITIES 15 NOV - 17 NOV

CLASS M 40/30/20

CLASS X 10/05/01

PROTON 10/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 NOV 138

PREDICTED 15 - 17 NOV 136/134/132

90-DAY MEAN 14 NOV 152

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 NOV 22

ESTIMATED AFR/AP 14 NOV 08/15

PREDICTED AFR/AP 15 - 17 NOV 08/14 - 07/12 - 06/12

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JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 14 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS. TWO M-CLASS EVENTS WERE RECORDED TODAY A M2/SN FROM REGION 2102 (NW17) AT 1506 UT AND A M2/IB FROM REGION 2110 (N32W18) AT 2027 UT. REGION 2110 CONTINUES WITH A DELTA IN LARGE CENTRAL SPOT GROUP, NEAR CENTER OF IB FLARE, THE REGION HAS SHOWN LITTLE CHANGE THIS PERIOD. REGION 2106 (\$7W37) CONTINUES TO DECAY, HOWEVER A SMALL DELTA CONTINUES NEAR CENTER OF REGION. REGION 2124 (S33E20) IS SHOWING RAPID GROWTH, THE MAGNETIC INFORMATION SHOWS A POSSIBLE DELTA CENTRAL PORTION. NEW REGIONS 2127 (N03W01) AND 2128 (N12E33) BOTH SIMPLE B TYPE GROUPS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE. REGIONS 2110, 2106 AND 2124 ALL HAVE THE POTENTIAL TO PRODUCE M-CLASS EVENTS. REGION 2110 HAS THE BEST CHANCE TO PRODUCE A X-CLASS EVENT.

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

III. EVENT PROBABILITIES 15 - 17 NOVEMBER

CLASS M 60/60/60

CLASS X 30/30/30

PREDICTED 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 NOV 262

PREDICTED 15 NOV - 17 NOV 247/232/226

90-DAY MEAN 14 NOV 219

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 13 NOV 24

ESTIMATED AFR/APL 14 NOV 13/15

PREDICTED AFR/APL 15 - 17 NOV 10/12 08/10 09/12

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