

HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 322

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 18 NOVEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. ONE MINOR C-CLASS X-RAY EVENT AND NO OPTICAL EVENTS WERE REPORTED. NEW REGION 1407 (N15E72) IS A BIPOLAR D-TYPE GROUP. REGIONS 1394 (N23W59) AND 1396 (S19W41) SHOWED SOME GROWTH WHILE ALL OTHER REGIONS REMAINED STABLE OR DECAYED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW FOR THE NEXT 24-48 HOURS WITH ALLOWANCES FOR AN ISOLATED ENERGETIC EVENT. SOLAR LONGITUDES WHICH WERE MORE DENSELY SPOTTED LAST ROTATION WILL REAPPEAR BY THE END OF THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET FOR THE PAST 24 HOURS. THE GEOMAGNETIC FIELD SHOULD REMAIN QUIET BUT MAY BECOME UNSETTLED BY THE THIRD DAY OF THIS FORECAST DUE TO THE PASSAGE OF A SOLAR SECTOR BOUNDARY.

III. EVENT PROBABILITIES 19-21 NOVEMBER

CLASS M 05/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 NOVEMBER 130

PREDICTED 19-21 NOVEMBER 130/132/134

90-DAY MEAN 18 NOVEMBER 153

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURGH 17 NOVEMBER 05

ESTIMATED AFR/AP 18 NOVEMBER 05/04

PREDICTED AFR/AP 19-21 NOVEMBER 07/07 - 10/10 - 14/14

SOLTERWARN

BT

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JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE. M1 (0710Z MAX) AND M2
(1108Z MAX) X-RAY EVENTS OCCURRED WITH NO OPTICAL REPORTS AT
THOSE TIMES. REGION 2124 (S32W31) CONTINUES A SLOW GROWTH AND
RETAINS A DELTA CONFIGURATION. REGION 2112 (N12W57) HAS A BETA
GAMMA CONFIGURATION. REGIONS 2130 (S06W65) AND 2133 (N32W19)
CONTINUE TO GROW BUT AT THIS TIME BOTH ARE SIMPLE BIPOLE GROUPS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. REGIONS 2124 AND
2112 ARE THE MOST LIKELY REGIONS TO PRODUCE CLASS M EVENTS WITH
REGIONS 2130 AND 2133 ADDING TO HIGHER LEVEL CLASS C EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED
TO BE SLIGHTLY UNSETTLED ON 19 NOV AND THEN BECOME MODERATELY
UNSETTLED.

III. EVENT PROBABILITIES 19-21 NOV

CLASS M 75/60/60

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 NOV 237

PREDICTED 19-21 NOV 234/231/228

90-DAY MEAN 18 NOV 221

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 NOV 06

ESTIMATED AFR/AP 18 NOV 05/08

PREDICTED AFR/AP 19-21 NOV 07/10 10/15 10/15

SOLTERWARN

BT