

HFUS 3 BOU 22 1305

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 29 6 A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1200UT 22 OCTOBER 1980

I A. SOLAR ACTIVITY HAS DECREASED TO A LOW LEVEL AS THE FREQUENCY OF CLASS C EVENTS HAS DECLINED TO JUST FIVE IN THE PAST 12 HOURS. THE LARGEST EVENT WAS C4, ORIGINATING FROM REGION 2748 (S13E24). EVOLUTION HAS BECOME VERY SLOW IN THIS AND REGION 2744 (S17E13) AND SOME DECREASE IN SPOT AREA IS NOW EVIDENT IN THIS COMPLEX. LARGE-SCALE EVOLUTION NEAR THIS COMPLEX IS EXPECTED TO SEPARATE THE REGIONS AND REDUCE THEIR COMPLEXITY. MINOR GROWTH IN REGION 2751 (N20W25) HAS SLOWED, BUT THE MAGNETIC CONFIGURATION IS COMPLEX IN THIS SMALL REGION. A NEW REGION WITH SMALL SPOTS HAS DEVELOPED RAPIDLY AT S07W46.

IB. MODERATE FLARE ACTIVITY IS BECOMING LESS LIKELY AS REGIONS STABILIZE AND/OR DIMINISH. AN ACTIVITY CENTER IS EXPECTED TO RETURN TO EAST LIMB 24 OCTOBER BUT NO EVIDENCE OF LIMB ACTIVITY IS YET REPORTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST NINE HOURS. UNSETTLED CONDITIONS WILL CONTINUE MOST OF TODAY AND THEN SUBSIDE TO QUIET CONDITIONS FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 23 - 25 OCTOBER

CLASS M 55/50/45

CLASS X 05/05/02

PROMPT 05/05/02

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 21 OCTOBER 206

ESTIMATED 22 OCTOBER 200

PREDICTED 23 - 25 OCTOBER 230/198/195

90-DAY MEAN 21 OCTOBER 184

V. GEOMAGNETIC INDICES

OBSERVED AFR 20 OCTOBER 04 AP 21 OCTOBER 08

ESTIMATED AFR 21 OCTOBER 07 AFR/AP 22 OCTOBER 13/13

PREDICTED AFR/AP 23 - 25 OCTOBER 10/10 08/10 08/10

SOLTERWARN

BT

HFUS-1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO  
SDF NUMBER 2968

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 22 OCTOBER 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.  
SEVERAL SMALL C-CLASS EVENTS HAVE OCCURRED, THE LARGEST A  
C2/SB FROM REGION 2751 (N19W32) AT 1533UT.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW DURING THE NEXT  
24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS DURING  
THE LAST 12 HOURS. THE FIELD IS EXPECTED TO BE AT ACTIVE  
LEVELS THE NEXT 10 HOURS, THEN UNSETTLED FOR THE REST OF  
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23 OCTOBER - 25 OCTOBER

CLASS M 55/150/45

CLASS X 05/105/102

PREDICTON 05/105/102

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 OCTOBER 200

PREDICTED 23-25 OCTOBER 207/207/200

90-DAY MEAN 22 OCTOBER 184

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 21 OCTOBER 09/08

ESTIMATED AFR/AP 22 OCTOBER 20/25

PREDICTED AFR/AP 23-25 OCTOBER 17/13 - 10/10 - 08/10

SOLTERWARN

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