

HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 251

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 08 SEPT 1978

I A. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE DURING THE PAST 24 HOURS. TWO FLARES OF INTEREST OCCURRED DURING THIS INTERVAL. A FILAMENT DISAPPEARED IN SPOTLESS REGION 1275 (S 19W30) AT 072338 U.T. AND PRODUCED A C-5 XRAY BURST WITH AN IMPORTANCE ONE NORMAL FLARE. THE SECOND FLARE WAS A C-8 XRAY BURST WITH A SUBBRILLIANT FLARE FROM REGION 1282 (S22W50) AT 081251 U.T. REGION 1282 HAS APPEARED TO BE THE MOST DYNAMIC REGION TODAY WITH PLAGE FLUCTUATIONS AND SEVERAL SMALL FLARES BEING NOTED. TWO ADDITIONAL SPOT GROUPS WERE OBSERVED TODAY. REGION 1285 (N 19W42) WAS BORN ON THE DISK AND REGION 1286 (N 15E 69) ROTATED OVER THE EAST LIMB. IN GENERAL THE LARGE SPOT GROUPS ARE SLOWLY DECLINING.

I B. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE COMING 24 HOURS.

II. THE GEOMAGNETIC FIELD WAS AT MINOR STORM LEVELS EARLY TODAY BUT HAS SINCE DECLINED TO UNSETTLED CONDITIONS. GENERALLY UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 09-11 SEPT

CLASS M 90/90/90

CLASS X 10/10/10

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEPT 167

PREDICTED 09-11 SEPT 157/150/142

90-DAY MEAN 08 SEPT 135

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 SEPT .05

ESTIMATED AFR/AP 08 SEPT 22/25

PREDICTED AFR/AP 09-11 SEPT 15/25 - 12/25 - 10/15

SOLTERWARN

BT

Global decided that  
an M2 event passing at 0652  
was real & is altering  
this report accordingly.

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 251

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 08 SEPTEMBER 1979

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IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS WITH A CLASS C9 X-RAY BURST BEING THE LARGEST FLARE OBSERVED. HOWEVER, THE COMPLEX COMPOSED OF REGIONS 1972 (N14E19) AND 1980 (N16E28) ARE BECOMING MORE CLOSELY ASSOCIATED WHICH SHOULD RESULT IN MORE STRESS OF THE MAGNETIC FIELDS. BOTH OF THESE REGIONS APPEAR TO HAVE A DELTA CONFIGURATION IN THEIR LEADER PORTIONS. REGION 1967 (N15W40) ALTHOUGH STILL AS COMPLEX AS YESTERDAY, SHOWS SOME DECAY IN THE CENTRAL PORTIONS.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE AS CONTINUED STRESS BUILDS BETWEEN 1972 AND 1980.

II. THE GEOMAGNETIC FIELD WAS QUIET TO SLIGHTLY UNSETTLED DURING THE PAST 24 HOURS. RECURRENT CONDITIONS ARE STILL EXPECTED TO CAUSE UNSETTLED TO ACTIVE CONDITIONS DURING THE NEXT 24 TO 36 HOURS.

III. EVENT PROBABILITIES 09 SEPTEMBER - 11 SEPTEMBER

CLASS M 50/50/50

CLASS X 01/05/05

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEPTEMBER 181

PREDICTED 09-11 SEPTEMBER 183/185/187

SD-DAY MEAN 08 SEPTEMBER 169

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 07 SEPTEMBER 04

ESTIMATED AFR/AP 08 SEPTEMBER 08/15

PREDICTED AFR/AP 09-11 SEPTEMBER 15/25 - 12/10 - 07/07

SOLTERWARN

BT