

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER , CO

SDF NUMBER 213

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 01 AUGUST 1978

I A. SOLAR ACTIVITY CONTINUES VERY LOW. THE THREE SPOTTED REGIONS  
ARE VERY SMALL AND CONTINUE TO DECLINE. THERE ARE MINOR  
NEW PLAGE AREAS IN THREE LOCATIONS, INDICATING THAT AN INCREASE  
IN SOLAR INDICES IS IMMINENT. REGION 1234 (N25W23) FORMED ITS  
FIRST SUNSPOT AT ABOUT 1900Z. A FAINT SUBFLARE  
OCCURED IN REGION 1230 (N36E15) AT 2051Z.

B. THE RETURN OF REGION 1203 ON 3-4 AUGUST WILL INCREASE  
ACTIVITY SLIGHTLY.

II. THE GEOMAGNETIC FIELD HAS BEEN EXTREMELY QUIET FOR THE  
PAST 72 HOURS. QUIET CONDITIONS WILL CONTINUE ANOTHER 48 HOURS.  
A NEW EQUATORIAL CORONAL HOLE LOCATED NEAR SUNCENTER IS EXPECTED  
TO BE A SOURCE OF A NEW RECURRENT MAGNETIC STORM WHICH MAY COMMENCE  
LATE ON AUGUST 4.

III. EVENT PROBABILITIES 02 AUGUST - 04 AUGUST

CLASS M 01/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 AUGUST 103

PREDICTED 02 - 04 AUGUST 105/107/110

90-DAY MEAN 01 AUGUST 138

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 JULY 02

ESTIMATED AFR/AP 01 AUGUST 07/05

PREDICTED AFR/AP 02 - 04 AUGUST 08/09 - 05/09 - 20/12

SOLTERWARN

BT