

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 230A ISSUED 0500Z 18 AUGUST 1971

CLASS M ACTIVITY IS POSSIBLE DURING THE NEXT 24 HOURS.

A. OPTICAL FLARE ACTIVITY HAS REMAINED LOW. A CLASS C9 SHORT-LIVED X-RAY EVENT AT 18/0225Z PROBABLY ORIGINATED FROM GROUP 235 (S13E77). THIS REGION APPEARS TO CONTAIN A D-TYPE, AND POSSIBLY E-TYPE, SUN-SPOT GROUP. POINT BRIGHTENINGS AND SURGES ARE OCCURRING EAST OF THE LARGE LEADER. IN SPITE OF ITS LIMB PROXIMITY, REGION 235 IS THE BRIGHTEST FEATURE ON THE DISK AT 9.1 CM. THE GEOMAGNETIC FIELD BECAME UNSETTLED TO ACTIVE AT 17/2130Z.

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE WITH THE ARRIVAL OF REGION 235. CLASS M EVENTS ARE POSSIBLE. THE GEOMAGNETIC FIELD IS EXPECTED TO EXHIBIT UNSETTLED PERIODS FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 AUG/0000Z ENDING 20 AUG/2400Z

CLASS M OR GREATER 25/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 230B ISSUED 2200Z 18 AUG 1971

CLASS C ACTIVITY IS EXPECTED WITH POSSIBLE M FLARES DURING THE  
NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REFLECTED MINIMUM FLARE CONDITIONS.  
MOST OF THE EXISTING REGIONS ARE STABLE OR DECLINING. THE NEW  
REGION 26 /N09W22/ IS A TYPE B AND IS INACTIVE. REGION 235  
/S15E69/ IS IMPRESSIVE WITH ENHANCED PLAGE. THIS REGION IS  
MOST LIKELY TO PRODUCE ENERGETIC ACTIVITY. THE GEOMAGNETIC  
FIELD HAS BEEN UNSETTLED. A MINOR GEOMAGNETIC DISTURBANCE  
BEGAN WITH A SUDDEN COMMENCEMENT AT 2043Z. THE DISTURBANCE  
APPEARS TO HAVE SUBSIDED AT THE PRESENT TIME.

B. MORE ENERGETIC SOLAR ACTIVITY WILL PROBABLY OCCUR IN THE  
NEXT 24-72 HOURS. THE INCREASE IN ACTIVITY IS EXPECTED FROM  
REGION 235 /S15E69/. THE GEOMAGNETIC FIELD WILL PROBABLY CON-  
TINUE TO REFLECT UNSETTLED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 19/0000Z ENDING 21/2400Z.

CLASS M OR GREATER 35/40/45

CLAS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 18/1400Z, 18/1700Z AND 18/2000Z  
WERE 109, 108 AND 112 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 19-21 AUG IS 107/105/103.

E. MAGNETIC A-FREDERICKSBURG FOR 17 AUG WAS 11. FOR 18 AUG  
ABOUT 15. PREDICTED AP FOR 19-21 AUG, 10/09/03.

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