

KBOU HFUS BOU 170500Z

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 260A ISSUED 0500Z 17 SEP 1971

A CLASS M FLARE IS ANTICIPATED DURING THE NEXT 24 HOURS.

A. ONLY A FEW CLASS C FLARES IN REGION 263 (S10E28) HAVE BEEN REPORTED DURING THE PAST SEVEN HOURS. A FEW SMALL SPOTS AND ARCH FILAMENTS HAVE APPEARED IN THE NORTHERN END OF REGION 263, POSSIBLY INDICATING THAT NEW MAGNETIC FIELDS ARE EMERGING IN THAT AREA. NEARBY REGION 266 (S10E35) HAS EXHIBITED SLIGHT RECENT DECAY IN BOTH WHITE LIGHT AND H-ALPHA. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. UNSETTLED GEOMAGNETIC CONDITIONS HAVE CONTINUED DURING THE PAST SEVEN HOURS.

B. NO CHANGE

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE THREE 24 HOUR PERIODS BEGINNING 17 SEP/0000Z ENDING 19 SEP/2400Z.

CLASS M OR GREATER 75/75/75

CLASS X 10/10/10

PROTON EVENTS 10/10/10

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HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 260B ISSUED 2200Z 17 SEPT 1971

CLASS C FLARES AND POSSIBLE M FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. MOST OF THE PRESENT REGIONS ARE STABLE OR DECLINING. REGIONS 263 /S11E17/ AND 265 /N03E20/ DISPLAYED ACTIVITY BEGINNING APPROX 1400Z. SATELLITE X-RAY DATA REPORTS AN M-2 FLARE BEGINNING 1456Z WITH MAX TIME 1523Z AND AN M-1 BEGINNING 1547Z WITH MAX TIME 1552Z. LARGE IMPORTANCE 2 BRIGHT AND DARK SURGES WERE SEEN AT SAME TIME IN REGION 263. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED DURING THE PAST 17 HOURS.

B. CLASS C FLARES ARE EXPECTED AND SMALL M FLARES, THOUGH AN M5 OR GREATER IS POSSIBLE IN SEVERAL DAYS. THE GEOMAGNETIC FIELD IS EXPECTED TO DISPLAY UNSETTLED CONDITIONS DURING THE NEXT 72 HOURS.

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

CLASS M OR GREATER 75/75/75

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUXES FOR 17/1400Z, 17/1700Z AND 17/2000Z WERE 115, 115 AND 113 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 18-20 SEPT IS 105/103/101.

E. MAGNETIC A-FREDERICKSBURG FOR 16 SEPT WAS 12. FOR 17 SEPT ABOUT 06. PREDICTED AP FOR 18-20 SEPT, 08/08/08.

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