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HFUS BOU 300500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 242A ISSUED 0500Z 30 AUGUST 1971

AS REGION 235 COMPLETES WEST LIMB PASSAGE, ONE OR TWO SMALL M EVENTS ARE POSSIBLE.

A. NO SUBFLARE ACTIVITY HAS BEEN REPORTED SINCE THE LAST SOLAR SUMMARY. REGION 235 IS NOW MORE THAN HALF OVER THE LIMB. THIS DISK FEATURE ALONG WITH THE BASICALLY UNIPOLAR SPOT NEAR S04W49 ARE THE ONLY TWO SPOT GROUPS VISIBLE. MOREOVER, THE EAST LIMB LACKS THE NECESSARY FAVORABLE SIGNS FOR ANY IMMEDIATE ADDITIONS TO THE R NUMBER. THE PAST 24 HOURS HAVE BEEN CHARACTERIZED BY LOCAL K INDICES NO LARGER THAN TWO.

B. UNCHANGED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 AUG/0000Z ENDING 01 SEPT/2400Z

CLASS M OR GREATER 75/30/15

CLASS X 10/05/01

PROTON EVENTS 15/10/01

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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 242B ISSUED 2200Z 30 AUG 1971

CLASS M EVENTS ARE POSSIBLE FROM BEYOND THE WEST LIMB FOR THE NEXT 12 HOURS.

A. REGION 235 /S12, SIX DEGREES BEHIND WEST LIMB/ HAS PRODUCED TWO CLASS M EVENTS IN THE PAST 24 HOURS. A SUB-BRIGHT FLARE AT 30/0423Z WAS CLASS M5. IT PRODUCED AN IMPORTANCE 2 SHORT WAVE FADEOUT. A BORDERLINE CLASS M1 X-RAY BURST AT 30/1455Z CORRESPONDED TO PROMINENCE ACTIVITY ON THE LIMB ABOVE 235. THERE ARE NOW TWO SMALL SINGLE SUNSPOTS ON THE VISIBLE DISK, ONE NEAR S03W61 /REGION 238/ AND ONE NEAR S10E77 /REGION 242/. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. CLASS M ACTIVITY IS POSSIBLE FROM REGION 235 FOR THE NEXT 12 HOURS. THEREAFTER A VERY LOW LEVEL OF ACTIVITY IS EXPECTED. QUIET GEOMAGNETIC CONDITIONS ARE EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 AUG/0000Z ENDING 02 SEP/2400Z.

CLASS M OR GREATER 50/10/10

CLASS X 05/01/01

PROTON EVENTS 05/01/01

D. OTTAWA 10.7 CM FLUXES FOR 30/1400Z, 30/1700Z AND 30/2000Z WERE 106, 101 AND 99 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 31 AUG-02 SEP IS 96/94/92.

E. MAGNETIC A-FREDERICKSBURG FOR 29 AUG WAS 05. FOR 30 AUG ABOUT 05. PREDICTED AP FOR 31 AUG-02 SEP, 05/05/08.

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