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HXUS BOU 260500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 238A ISSUED 0500Z 26 AUGUST 1971

CLASS C SUBFLARES EXPECTED AND CLASS M FLARES POSSIBLE.

A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS WITH ONLY CLASS C FLARES.

REGION 235 (S11W29) HAS BEEN THE MOST ACTIVE REGION AND HAS HAD LITTLE STRUCTURAL CHANGE THE PAST 24 HOURS.

REGION 233 (N13W47) HAS BEEN THE SECOND MOST ACTIVE AND REGION 238 (S05E07) HAS PRODUCED ONE SUBFLARE.

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST SEVEN HOURS.

B. SOLAR ACTIVITY EXPECTED TO REMAIN LOW WITH REGION 235 BEING THE MOST ACTIVE WITH THE POSSIBILITY OF PRODUCING A CLASS M SUBFLARE. REGION 233 EXPECTED TO BE THE SECOND MOST ACTIVE REGION. ALL OTHER REGIONS EXPECTED TO BE QUIET. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED DURING THE REMAINING NIGHTTIME HOURS AND BECOMING QUIET DURING THE DAYTIME.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 AUG/0000Z ENDING 28 AUG/2400Z.

CLASS M OR GREATER 75/65/60

CLASS X 15/15/15

PROTON EVENTS 20/20/20

SOLTERWARN

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HFUS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 238B ISSUED 2200Z 26 AUG 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. REGION 235 /S10W50/ CONTINUES TO DECLINE IN BRIGHTNESS AND AREA, YET IT STILL PRODUCES A NONENERGETIC SUBFLARE AT THE RATE OF ONE PER HOUR. A SMALL DELTA CONFIGURATION HAS BEEN NOTED IN THE CENTRAL PORTION OF THIS REGION. THE NW REGION 233 /N13W58/ HAS PRODUCED A FEW SUBFLARES. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED. A SECTOR BOUNDARY SEEMS TO PASSING THE EARTH TODAY.

B. REGION 235 REMAINS A POTENTIAL SOURCE OF M FLARES. OTHER REGIONS SHOULD REMAIN INACTIVE. INCREASED GEOMAGNETIC ACTIVITY IS EXPECTED IN THE NEXT 2 DAYS, FOLLOWING THE SECTOR BOUNDARY PASSAGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 AUG/0000Z ENDING 29 AUG/2400Z.

CLASS M OR GREATER 65/60/55

CLASS X 10/08/08

PROTON EVENTS 10/05/05

D. OTTAWA 10.7 CM FLUXES FOR 26/1400Z, 26/1700Z AND 26/2000Z WERE 137, 136 AND 135 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 27-29 AUG IS 133/130/124.

E. MAGNETIC A-FREDERICKSBURG FOR 25 AUG WAS 10. FOR 26 AUG ABOUT 10. PREDICTED AP FOR 27-29 AUG, 15/20/10.

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