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HXUS BOU 270500

LABORATORY SERVICES CENTER BOULDER COLO

SDF NUMBER 239A ISSUED 0500Z 27 AUG 1971

CLASS C FLARES EXPECTED AND CLASS M FLARES POSSIBLE THE
NEXT 4 HOURS.

A. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. REGION
235 CONTINUES TO BE THE MOST ACTIVE REGION.

REGION 238 AND 233 (S05W06) AND (N13W59) HAVE ALSO PRO-
DUCED CLASS C SUBFLARES. THE GEOMAGNETIC FIELD WAS
UNSETTLED DURING 00-12Z AND BECAME QUIET AFTER 12Z.

B. REGION 235 WILL REMAIN THE MOST ACTIVE REGION.
FROM PAST HISTORY THE REPORTED DELTA CONFIGURATION IN THIS
REGION COULD BE THE HARBINGER OF INCREASED CLASS M SUBFLARE
ACTIVITY. REGION 238 AND 233 WILL CONTINUE TO PRODUCE
CLASS C SUBFLARES. THE GEOMAGNETIC ACTIVITY WILL BE QUIET
TO UNSETTLED THE NEXT 24 HOURS.

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 90/90/90

CLASS X 10/08/08

PROTON EVENTS 10/05/05

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FROM SPACE ENVIRONMENT SER
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ES CENTER BOULDER COLO

SDF NUMBER 239B ISSUED 2200Z 27 AUG 1971

CLASS M FLARES STILL POSSIBLE

A. REGION 235 /S10W60/ CONTINUES TO PRODUCE SMALL NON-ENERGETIC FLARES AT NEARLY AN HOURLY RATE. REGION 238 /S06W18/ HAS GROWN SLIGHTLY AND IS NOW PRODUCING FLARES AT A SIMILAR RATE. FLARES FROM REGION 238 ARE MORE ENERGETIC - BUT NOT YET OF M LEVEL INTENSITY. THE GEOMAGNETIC FIELD IS QUIET.

B. BOTH REGIONS 235 AND 238 ARE POTENTIAL PRODUCERS OF M FLARES PRIOR TO WEST LIMB PASSAGE. OTHER REGIONS ARE STABLE OR DECLINING.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28/0000Z ENDING 30/2400Z.

CLASS M OR GREATER 80/80/80

CLASS X 08/08/08

PROTON EVENTS 05/05/05

D. OTTAWA 10.7CM FLUXES FOR 27/1400Z, 27/1700Z AND 27/2000Z WERE 134, 135 AND 131 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 28, 29, 30 AUG ARE 125/122/118.

E. MAGNETIC A-FREDERICKSBURG FOR 26 AUG WAS 10. FOR 27 AUG ABOUT 06. PREDICTED AP FOR 28, 29, 30 AUG IS 08/05/05.

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