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HXUS BOU 110500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254A ISSUED 0500Z 11 SEPTEMBER 71

ONLY CLASS C FLARES ARE LIKELY DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST SEVEN HOURS, AND ONLY ONE NON-ENERGETIC SUBFLARE HAS BEEN REPORTED. A FEW SMALL SURGES HAVE BEEN PRODUCED NEAR NW06 AND SW05 BY REGIONS 250 AND 246, WHICH NOW ARE COMPLETING PASSAGE OVER THE WEST LIMB. SLIGHT DEVELOPMENT HAS OCCURRED IN THE PLAGE OF REGION 249 (N17W69). OTHER REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. NO CHANGE

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT 24 HOUR PERIODS BEGINNING 11 SEPT/0000Z ENDING 13 SEPT/2400Z.

CLASS M OR GREATER 20/15/15

CLASS X 02/02/02

PROTON EVENTS 02/02/02

SOLTERWARN

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HFUS BOU 112200

FROM SPACEN ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254B ISSUED 2200Z 11 SEPT 1971

MINOR FLARE ACTIVITY IS EXPECTED.

A. ON THE SUN, THERE HAS BEEN NEAR-CONTINUOUS SURGE ACTIVITY AT NE 10-20 WHERE OLD REGION 233 IS RETURNING. DESPITE THE VISUAL ACTIVITY, NO ENERGETIC EVENTS HAVE BEEN RECORDED. THE REGION WAS DECLINING AT WEST LIMB BUT LIES IN AN AREA OF RESIDUAL MAGNETIC FIELDS. OLD REGION 235, THAT PRODUCED A WEST LIMB PARTICLE EVENT, IS DUE TO RETURN AROUND SE10 TOMORROW, BUT SO FAR THERE HAS BEEN LITTLE INDICATION THAT THE REGION IS ENERGETIC.

B. SEVERAL PARAMETERS INDICATE THE NE LIMB REGION WILL NOT PRODUCE SIGNIFICANT FLARES AND NO EVENTS ARE EXPECTED FROM THE OTHER MINISCULE DISK REGIONS. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED UNTIL 15 SEPT WHEN A SHORT DISTURBED PERIOD IS EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12/0000Z ENDING 14/2400Z.

CLASS M OR GREATER 15/15/15

CLASS X 2/2/2

PROTON EVENTS 5/2/2

D. OTTAWA 10.7 CM FLUXES FOR 11/1400Z, 11/1700Z AND 11/2000Z WERE 90, 88 AND 88 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 12-14 SEPT IS 94/98/105.

E. MAGNETIC A-FREDERICKSBURG FOR 10 WAS 05. FOR 11 SEPT ABOUT 07 PREDICTED AP FOR 12-14 SEPT, 06/05/03.

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