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HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 293 ISSUED 2200Z 20 OCT 1971

CLASS M FLARES ARE EXPECTED.

A. REGION 306 /N08E12/ CONTINUES ITS EVOLUTIONARY GROWTH BUT AT A DECELERATED RATE. THE SUNSPOT GROUP IS A CLASS E/820 MILLIONTHS/ WITH A DELTA CONFIGURATION. NUMEROUS SUBFLARES WITH SMALL RF BURSTS HAVE OCCURRED IN THIS REGION BUT NO ENERGETIC FLARES SINCE 19/1304Z. REGION 308 /N17E34/ AND 311 /S13E19/ ARE SMALL SIMPLE BIPOLES AND GROWING SLOWLY. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET.

B. REGION 306 IS EXPECTED TO PRODUCE INFREQUENT CLASS M FLARES DURING THE NEXT THREE DAYS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET, BECOMING UNSETTLED IN APPROXIMATELY 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 21 OCT/0000Z ENDING 23 OCT/2400Z.

CLASS M OR GREATER 75/75/75

CLASS X 05/08/08

PROTON EVENTS 05/08/10

D. OTTAWA 10.7 CM FLUXES FOR 20/1400Z, 20/1700Z AND 20/2000Z WERE 122, 123 AND 119 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 21-23 OCT IS 130/137/140.

E. MAGNETIC A-FREDERICKSBURG FOR 19 OCT WAS 02. FOR 20 OCT ABOUT 03. PREDICTED AP FOR 21-23 OCT, 05/12/10.

SOLTERWARN

SPAN

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