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KBOU

HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 301 ISSUED 2200Z 28 OCT 1971

ONLY MINOR SUBFLARES EXPECTED.

A. LIMITED OPTICAL OBSERVATIONS DUE TO WEATHER. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY 3 SUBFLARES REPORTED TODAY. LIMB ACTIVITY HAS INCREASED WITH BSL'S AND APR'S NEAR NW 4-10, SW 14, AND SE 23. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED. THULE MAGNETOMETER INDICATES A SOLAR SECTOR BOUNDARY PASSAGE TODAY ABOUT 1500Z.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. NO KNOWN RETURNING REGIONS ARE EXPECTED, HOWEVER OSO-7 EUV DATA INDICATES ENHANCED CONDITIONS OVER SE LIMB. THE GEOMAGNETIC FIELD SHOULD CONTINUE SLIGHTLY DISTURBED.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 OCT/0000Z ENDING 31 OCT/2400Z.

CLASS M OR GREATER 25/25/25

CLASS X 1/1/1

PROTON EVENTS 2/1/1

D. OTTAWA 10.7 CM FLUXES FOR 28 OCT/1400Z, 1700Z AND 2000Z WERE 115, 112 AND 111. PREDICTED 10.7 CM FLUXES FOR 29-31 OCT ARE 108/106/106.

E. MAGNETIC A-FREDERICKSBURG FOR 27 OCT WAS 03. FOR 28 OCT ABOUT 12. PREDICTED AP FOR 29-31 OCT ARE 15/12/10.

SOLTERWARN

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