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HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 286 ISSUED 2200Z 13 OCT 1971

ONLY INFREQUENT CLASS C FLARES ARE EXPECTED.

A. SOLAR ACTIVITY IS AT A VERY LOW LEVEL. OPTICALLY ONLY SUB-FLARES HAVE BEEN REPORTED FROM REGION 302 /S12W14/. HOWEVER, A SUBFAINT FLARE AT 1725Z FROM THIS REGION PRODUCED A SIMPLE BURST AT 2700 MHZ /BOULDER/1730Z/ OF 112 FLUX UNITS ABOVE BACKGROUND. THIS REGION SHOWS SLOW GROWTH IN H-ALPHA BUT NO GROWTH PATTERN IN SUNSPOT STRUCTURE, WHICH IS SIMPLE BIPOLE. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET TO SLIGHTLY UNSETTLED UNTIL THE NEW SECTOR BOUNDARY ARRIVES. ARRIVAL TIME OF THE SECTOR BOUNDARY IS ANTICIPATED 14/12-2400Z WITH THE GEOMAGNETIC FIELD BEING STRONGLY ACTIVE /K VALUES PREDOMINATELY 4 AND 5/ FOR 24 HOURS AFTER ARRIVAL OF THE SECTOR BOUNDARY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 OCT/0000Z ENDING 16 OCT/2400Z.

CLASS M OR GREATER 10/15/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 13/1400Z, 13/1700Z AND 13/2000Z WERE 92, 92 AND 91 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 14-16 OCT IS 90/89/87.

E. MAGNETIC A-FEDERICKSBURG FOR 12 OCT WAS 07. FOR 13 OCT ABOUT 06. PREDICTED AP FOR 14-16 OCT, 13/27/10.

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