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HFUS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 026 ISSUED 2200Z 26 JAN 1972

A. SOLAR ACTIVITY HAS BEEN AT A MODERATE LEVEL WITH FREQUENT SUBFLARES FROM REGION 026 /N15E48/. SUBFLARES FROM THIS REGION PRODUCED A CLASS C-9 EVENT AT 0346Z AND A CLASS M-1 EVENT AT 0930Z TODAY. REGION 015 /S17W80/ REMAINS INACTIVE BUT CONTINUES TO HAVE THE POTENTIAL TO PRODUCE A SMALL PROTON EVENT. EXCEPT FOR THE PERIOD 0900-1200Z DURING WHICH A MAGNETIC BAY OCCURRED THE GEOMAGNETIC FIELD HAS BEEN QUIET AT LOW LATITUDES.

B. FREQUENT NON-ENERGETIC FLARES AND OCCASIONAL CLASS C OR SMALL CLASS M EVENTS ARE EXPECTED FROM REGION 026. PROTON PROBABILITIES SHOULD DECREASE AS REGION 015 PASSES OVER THE WEST LIMB. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 JAN/0000Z ENDING 29 JAN/2400Z.

CLASS M OR GREATER 65/65/65

CLASS X 10/5/1

PROTON EVENT 15/10/1

D. OTTAWA 10.7 CM FLUXES FOR 26/1400Z 1700Z AND 2000Z WERE 123, 129 AND 128. PREDICTED 10.7 CM FLUXES FOR 27-29 JAN ARE 127/126/126.

E. MAGNETIC A-FREDERICKSBURG FOR 25 JAN WAS 15. FOR 26 ABOUT 18. PREDICTED AP FOR 27-29 JAN ARE 8/8/5.

SOLTERWARN

SPAN