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HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 014 ISSUED 2200Z 14 JANUARY 1972

A. TWO CLASS M FLARES HAVE BEEN OBSERVED IN THE ACTIVE CENTER NEAR THE SOUTHEAST LIMB. THEIR DAY/TIME/CLASS/IMPORTANCE/ LOCATION WERE 13/2113Z/M1/1B/S16E79 AND 14/1527Z/1N/S13E65. BOTH WERE ACCOMPANIED BY CENTIMETRIC RADIO BURSTS-THE FIRST HAD 128 FLUX UNITS OVER BACKGROUND AT 10CM-THE SECOND 43 FLUX UNITS. THE TWO SPOT GROUPS INVOLVED ARE 014 /S12E61/ AND 015 /S16E73/. THEY LIE AT LOCATIONS ACTIVE DURING RECENT MONTHS. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. AN INCREASING TREND OF ACTIVITY IS EXPECTED. REGION 014 AND 015 SHOULD PRODUCE MORE FLARES UP TO CLASS M1 OR M2. THEY MAY PRODUCE ONE OR MORE FLARES GREATER THAN CLASS M5, THOUGH THEY ARE NOT YET SUFFICIENTLY VISIBLE FOR THOROUGH ANALYSIS. THE GEOMAGNETIC FIELD SHOULD BE UNSETTLED DURING THE NEXT TWO TO THREE DAYS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 JAN/0000Z ENDING 17 JAN/2400Z.

CLASS M OR GREATER 65/65/65

CLASS X 15/15/20

PROTON EVENT 05/05/10

D. OTTAWA 10.7 CM FLUXES FOR 14/1400Z, 1700Z AND 2000Z WERE 108, 111 AND 109. PREDICTED 10.7 CM FLUXES FOR 15-17 JAN ARE 115/118/120.

E. MAGNETIC A-FREDERICKSBURG FOR 13 JAN WAS 03. FOR 14 JAN ABOUT 02. PREDICTED AP FOR 15-17 JAN ARE 08/07/10.

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