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HFUS BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 050 ISSUED 2200Z 19 FEB 1972

CLASS M ACTIVITY EXPECTED.

A. MOST SOLAR ACTIVITY HAS ORIGINATED IN THE COMPLEX FORMED BY REGIONS 067 /N08E31/ AND 066 /N12E38/. REGION 067 PRODUCED AN M5 AT 1514Z AND ABOUT 100 FU INCREASE AT 2695 MZ. REGIONS 070 /S17E69/, 051 /S19W37/, 048 /N18W55/, AND 046 /S10W88/ HAVE PRODUCED NON-ENERGETIC FLARES WITH REGION 070 HAVING AN E-W NEUTRAL LINE. ALL OTHER REGIONS ARE STABLE.

THE GEOMAGNETIC FIELD HAS BEEN UNSETLED THE PAST 24 HOURS.

B. ENERGETIC EVENTS UP TO CLASS X ARE POSSIBLE DURING THE NEXT 24 HOURS FROM ACTIVE CENTERS 051/061, 070, AND 066/067.

THE GEOMAGNETIC FIELD WILL REMAIN UNSETLED THE NEXT 24 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 FEB/0000Z ENDING 22 FEB/2400Z.

CLASS M OR GREATER 95/95/95

CLASS X 20/20/20

PROTON EVENT 25/25/25

D. OTTAWA 10.7CM FLUXES FOR 18/1400Z 1700Z AND 2000Z WERE 195, 195 AND 195. PREDICTED 10.7CM FLUXES FOR 20-22 FEB ARE 198/202/202.

E. MAGNETIC A-FREDERICKSBURG FOR 18 FEB WAS 09. FOR 19 FEB ABOUT 11. PREDICTED AP FOR 20-22 FEB ARE 16/17/17.

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