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HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 52 ISSUED 2200Z 21 FEB 1972

CONTINUED CLASS M ACTIVITY EXPECTED.

A. THE COMPLEX FORMED BY REGION 067/N08E05/ AND REGION 066 /N12E17/ HAS PRODUCED MOST OF THE ACTIVITY. REGION 067 PRODUCED AN M1 AT 0245Z. THIS COMPLEX HAS SHOWN SOME SPOT CHANGES BUT REMAINS MAGNETICALLY COMPLEX WITH SOME POSSIBLE ISOLATED POLES. REGION 070 /S17E45/ HAS BEEN MODERATELY ACTIVE AND HAS SHOWN SPOT GROWTH IN ITS INTERMEDIATE PORTION. THIS REGION HAS ALSO PRODUCED AN RF BURST DURING THE DAY. REGION 051 /S19W65/ HAS HAD SOME MINOR ACTIVITY ACCOMPANIED BY A RADIO BURST. ALL OTHER REGIONS ARE STABLE OR DECLINING. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 24 HOURS.

B. ENERGETIC EVENTS UP TO CLASS X ARE POSSIBLE FROM THE ACTIVE CENTERS 066/067 AND 070 AND POSSIBLY 051. THE GEOMAGNETIC FIELD WILL REMAIN UNSETTLED THE NEXT 24 HOURS.

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

CLASS M OR GREATER 95/95/95

CLASS X 20/20/20

PROTON EVENT 20/20/20

D. OTTAWA 10.7 CM FLUXES FOR 21/1400Z 1700Z AND 2000Z WERE 193, 207 AND 194. PREDICTED 10.7 CM FLUXES FOR 22-24 FEB ARE 192/192/188.

E. MAGNETIC A-FREDERICKSBURG FOR 20 FEB WAS 08. FOR 21 FEB ABOUT 07. PREDICTED AP FOR 22-24 FEB ARE 08/07/12.

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