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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 51 ISSUED ~~21~~ FEB 2200Z 1972
CONTINUED CLASS M ACTIVITY EXPECTED.

A. THE COMPLEX FORMED BY REGION 067 /N08E18/ AND REGION 066 /N12E25/ HAS BEEN THE MOST ACTIVE. HOWEVER REGION 070 /S17E58/ HAS PRODUCED THE LARGEST OPTICAL FLARE AND IS SECOND IN OVERALL ACTIVITY. REGIONS 051 /S19W52/ AND 060 /S13W01/ HAVE ALSO PRODUCED NON-ENERGETIC FLARES. AN M1 EVENT WAS REPORTED BY VELA BUT ONLY EAST LIMB ACTIVITY CORRESPONDS TO THIS EVENT TIME. THE OTTAWA FLUX SHOWED A SLIGHT INCREASE FROM YESTERDAY BUT HAS DECLINED THRU THE DAY. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED THE PAST 24 HOURS.

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

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 21 FEB/0000Z ENDING 23 FEB/2400Z.

CLASS M OR GREATER 95/95/95

CLASS X 20/20/20

PROTON EVENT 25/20/20

D. OTTAWA 10.7 CM FLUXES FOR 20/1400Z 1700Z AND 2000Z WERE 211, 210 AND 203. PREDICTED 10.7 CM FLUXES FOR 21-23 FEB ARE 205/200/198.

E. MAGNETIC A-FREDERICKSBURG FOR 19 FEB WAS 09. FOR 20 FEB ABOUT 08. PREDICTED AP FOR 21-23 FEB ARE 10/12/10.
SOLTERWARN