

20

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 51 ISSUED @ 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 UNSETTLED 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
UNSETTLED 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