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HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 042 ISSUED 2200Z 11 FEB 1972.

A. A CLASS M FLARE IN REGION 051 /S25E66/ BEGAN AT 10/2310Z.  
1 TO 8 ANGSTROM X-RAY FLUX PEAKED AT CLASS M2 AT 10/2341Z AND  
M3 AT 11/0047Z AND 11/0107Z. 10CM RADIO FLUX PEAKED AT 10/2329Z  
/60 FLUX UNIT INCREASE/, 11/0057Z /257 F.U./, 11/0147Z /41F.U./  
AND 11/0202Z /430 F.U./. CULGOORA REPORTED TYPE TWO RADIO  
EMISSION AT 11/2332Z. NO TRENDS ARE OBVIOUS IN THE REGION. THE  
GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET.

B. THE CURRENT LEVEL OF ACTIVITY IS EXPECTED TO CONTINUE IN  
REGION 051. AS NOTED IN PREVIOUS REPORTS, IT IS MOST PRODUCTIVE  
AT CORONAL FREQUENCIES. A PROBABLE INTERPLANETARY SECTOR  
BOUNDARY PASSED THE EARTH ABOUT 10/1400Z. FOR THE NEXT 8 TO 10  
DAYS THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE  
WITH A CHANCE OF SSC AND STORM BEGINNING 13 FEB.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BE-  
GINNING 12 FEB/0000Z ENDING 14 FEB/2400Z.

CLASS M OR GREATER 60/60/60

CLASS X 05/05/05

PROTON EVENT 05/05/05

D. OTTAWA 10.7CM FLUXES FOR 11/1400Z, 1700Z AND 2000Z WERE  
123, 122 AND 124. PREDICTED 10.7CM FLUXES FOR 12-14 FEB ARE  
125/128/130.

E. MAGNETIC A-FREDERICKSBURG FOR 10 FEB WAS 08. FOR 11 FEB  
ABOUT 06. PREDICTED AP FOR 12-14 FEB ARE 12/15/18.

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