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HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 055 ISSUED 2200Z 24 FEB 1972

SMALL CLASS M EVENT EXPECTED

A. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL. FLARE ACTIVITY HAS CONSISTED OF SUBFLARES FROM REGIONS 066/N12W27, 067/N08W34 AND 070/S17E08. THE ONLY REPORTED ENERGETIC EVENT WAS A CLASS M-1 FROM REGION 066 AT 24/1856Z. NONENERGETIC LIMB ACTIVITY IN THE FORM OF SURGES ARE BEING REPORTED NEAR SE09. A MINOR GEOMAGNETIC STORM BEGAN WITH A SUDDEN COMMENCEMENT AT 24/0642Z.

B. THE DELTA CONFIGURATION WHICH WAS PRESENT IN REGION 067 YES-TERDAY IS NOW GONE. THIS DECREASES THE POSSIBILITY OF A LARGE EVENT FROM THIS REGION. A SMALL ISOLATED POLE WAS OBSERVED IN REGION 070 INCREASING THE CHANCE OF CLASS C AND SMALL CLASS M EVENTS FROM THIS REGION. FLARE ACTIVITY SHOULD CONTINUE AT ITS PRESENT LEVEL WITH CLASS C FLARES LIKELY AND AN OCCASIONAL CLASS M. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN ACTIVE FOR THE NEXT 12 HOURS AND THEN BECOME UNSETTLED.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 FEB/0000Z ENDING 27 FEB/2400Z.

CLASS M OR GREATER 90/80/80

CLASS X 05/05/05

PROTON EVENT 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 23 FEB/1400Z, 1700Z AND 2000Z WERE 171, 168 AND 163. PREDICTED 10.7 CM FLUXES FOR 25-27 FEB ARE 152/138/135.

E. MAGNETIC A-FREDERICKSBURG FOR 23 FEB WAS 06. FOR 24 FEB ABOUT 25. PREDICTED AP FOR 25-27 FEB ARE 20/12/08.

SOLTERWARN

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