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HFUS BOU 222210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

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CONTINUED CLASS M ACTIVITY EXPECTED. SIGNIFICANT CHANCE FOR ISOLATED CLASS X EVENT.

A. THE 067/N07W09/-066/N12W03/ COMPLEX HAS CONTINUED ITS PRODUCTION OF FREQUENT CLASS C FLARES /ABOUT ONE/HOUR/ AND OCCASIONAL CLASS M'S /220002, 220030, 220310, 221324, AND 221826 U.T./ . A RATHER STRONG DELTA CONFIGURATION IS NOW OBSERVED IN 067 AND THE GENERAL COMPLEXITY OF THE REGIONS APPEARS TO HAVE INCREASED DURING THE PAST 24 HOURS. OCCASIONAL MINOR, NON-ENERGETIC FLARES ARE OBSERVED IN 070/S17E32/, A SIMPLE BI-POLAR REGION. MINOR PROTON ENHANCEMENTS WERE OBSERVED BY ATS-1 TO BEGIN BEFORE 22/0600 UT ON BOTH MONITORED CHANNELS BUT SEEMED TO HAVE STABILIZED AT A LOW LEVEL /6X BACKGROUND AT 5-21 MEV, 2X BKGD AT 20-70 MEV/. INTERMITTENT, RIOMETER ABSORPTION TO ABOUT 2DB HAS BEEN OBSERVED AT THULE /30MHZ/ DURING THE PAST FEW HOURS. THE GEOMAGNETIC FIELD IS QUIET.

B. TWO OR THREE CLASS 'M' FLARES ARE LIKELY IN THE 067/066 COMPLEX WITH A CLASS 'X' EVENT A DISTINCT POSSIBILITY. FAVORABLE GEOMETRY ALSO INCREASES THE PROBABILITY OF EARTH INTERCEPTED PROTONS IF EMITTED BY THIS REGION. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED NEAR 0300 U.T.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 FEB/0000Z ENDING 25 FEB/2400Z.

CLASS M OR GREATER 95/95/90

CLASS X 25/25/20

PROTON EVENT 25/25/25

D. OTTAWA 10.7 CM FLUXES FOR 22/1400Z 1700Z AND 2000Z WERE 190, 188 AND 182. PREDICTED 10.7 CM FLUXES FOR 23-25 FEB ARE 180/172/162.

E. MAGNETIC A-FREDERICKSBURG FOR 21 FEB WAS 06. FOR 22 FEB ABOUT 6. PREDICTED AP FOR 23-25 FEB ARE 10/10/9.

SOLTERWARN

SPAN

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*Abs sat data
apparently just
dumping.*