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HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 066 ISSUED 2200Z 06 MARCH 1972

CLASS M ACTIVITY IS EXPECTED.

A. REGION 086 /S07E11/ PRODUCED A CLASS M3 SUB-BRIGHT FLARE AT 06/0236Z AND A CLASS X2 IMPORTANCE 1B FLARE AT 06/1053Z. THE 2700 MHZ RADIO BURSTS WITH THESE EVENTS WERE 155 AND 365 FLUX UNITS, RESPECTIVELY. MODERATE TO STRONG SID ACCOMPANIED BOTH EVENTS. THE LARGE LEADER SPOT IN REGION 086 HAS SHOWN A PRONOUNCED COUNTER-CLOCKWISE ROTATION THE PAST 24 HOURS. OTHERWISE THE REGION HAS SHOWN LITTLE CHANGE. SURGES ON THE EAST LIMB NEAR N12 INDICATE THAT ANOTHER REGION IS PROBABLY APPROACHING THE DISK. A LOW ENERGY PROTON ENHANCEMENT BEGAN GRADUALLY AT ABOUT 06/0000Z. AT 06/0920Z, THE LAST ATS-1 DATA AVAILABLE, THE 5-21 MEV PROTON FLUX WAS ABOUT 100 PARTICLES CM-2 SEC-1 /NORMAL BACKGROUND 0.2/. THE 21-70 MEV FLUX SHOWED NO SIGNIFICANT ENHANCEMENT. A POSSIBLE GEOMAGNETIC SUDDEN COMMENCEMENT OCCURRED AT ABOUT 06/2110Z.

B. ADDITIONAL ENERGETIC EVENTS, UP TO CLASS X, ARE EXPECTED FROM REGION 086. ADDITIONAL SATELLITE LEVEL PROTON ENHANCEMENTS ARE ALSO LIKELY TO ACCOMPANY LARGE CLASS M OR CLASS X ACTIVITY FROM THIS REGION. THE GEOMAGNETIC FIELD WILL PROBABLY BE DISTURBED FOR THE NEXT 72 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 MAR/0000Z ENDING 09 MAR/2400Z.

CLASS M OR GREATER 90/90/90

CLASS X 15/15/10

PROTON EVENT 15/15/15

D. OTTAWA 10.7 CM FLUXES FOR 06/1400Z 1700Z AND 2000Z WERE 146, 146 AND 144. PREDICTED 10.7 CM FLUXES FOR 07-09 MAR ARE 146/148/146.

E. MAGNETIC A-FREDERICKSBURG FOR 05 MAR WAS 03. FOR 06 MAR ABOUT 04. PREDICTED AP FOR 07-09 MAR ARE 18/25/18.

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