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HFUS BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 251 ISSUED 2200Z 07 SEPTEMBER 1972

A. SOLAR ACTIVITY HAS BEEN AT A MODERATELY LOW LEVEL. HOWEVER, AN IMPULSIVE TYPE /CLASS M5/ X-RAY EVENT OCCURRED BEGINNING 2132Z WITH MAX AT 2136Z. IMPULSIVE RADIO BURSTS OF SEVERAL HUNDRED F.U. OCCURRED IN 100-500 MHZ RANGE BUT LESS THAN 20 F.U. AT 2700 MHZ. IMPORTANCE TWO SIDS ACCOMPANIED THIS EVENT. OPTICALLY, A SN FLARE WAS REPORTED IN PROGRESS 2149Z IN REGION 392 AND AN IMPORTANCE ONE SPRAY IN PROGRESS 2159Z AT SW09. REGION 392 /S07W40/ APPEARS TO HAVE STABILIZED ITS GROWTH BUT HAS A MARKED BEND IN ITS NEUTRAL LINE AS IT PASSES THROUGH THE REGION. NEW REGION 403 /N22E41/ HAS SHOWN STEADY GROWTH WITH A MODERATELY BRIGHT PLAGE. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. PROBABILITIES ARE TRENDED UPWARD FOR THE NEXT 72 HOURS DUE TO ANTICIPATED GROWTH FOR REGION 403. REGION 392 HAS POTENTIAL FOR ISOLATED CLASS M ACTIVITY. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. EVENT PROBABILITIES 08 SEP/0000Z-10 SEP/2400Z.

CLASS M 35/40/45.

CLASS X 01/01/01.

PROTON 01/01/02.

D. OTTAWA 10.7 CM FLUX.

OBSERVED 07 SEP/1700Z 109.

PREDICTED 08 SEP-10 SEP 106-102-099.

E. A-FREDERICKSBURG.

OBSERVED 06 SEP 11.

ESTIMATED 07 SEP 05.

PREDICTED 08 SEP-10 SEP 04-05-04.

SOLTERWARN

SPAN

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