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HFUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 204 ISSUED 2200Z 22 JULY 1972

A. SOLAR ACTIVITY REMAINS LOW WITH SIX SUBFLARES REPORTED DURING THE PAST PERIOD. DISK REGIONS ARE SMALL WITH SIMPLE MAGNETIC STRUCTURES. SLIGHT SPOT GROWTH HAS OCCURRED IN THE NORTHERN PART OF REGION 293 /S10W58/. THE ATS-1 PROTON FLUX, WHICH HAS BEEN ENHANCED SINCE 191000Z, BEGAN TO INCREASE NEAR 220700Z AND PEAKED NEAR 220900Z WITH ABOUT 100 PARTICLES CM-2 SEC-1 OBSERVED IN THE 5-21 MEV RANGE AND 17 PARTICLES IN 21-70 RANGE. THE ENHANCEMENT BEGAN TO DECLINE AT 221530Z AND COUNTING RATES ARE PRESENTLY 19 AT 5-21 MEV AND 04 AT 21-70 MEV. MAXIMUM ABSORPTION ON THE THULE 30MHZ RIOMETER WAS 0.6DB. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED SINCE 1600Z.

B. FLARE ACTIVITY SHOULD REMAIN LOW DURING THE NEXT 72 HOUR PERIOD. THE PROTON ENHANCEMENT WILL CONTINUE TO DECLINE SLOWLY. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED DURING THE NEXT 48 HOURS.

C. EVENT PROBABILITIES 23 JULY/0000Z-25 JULY/2400Z

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

D. OTTAWA 10.7 CM FLUX

OBSERVED 22 JULY/1700Z 108

PREDICTED 23 JULY-25 JULY 105-108-108

E. A-FREDERICKSBURG

OBSERVED 21 JULY 03

ESTIMATED 22 JULY 07

PREDICTED 23 JULY-25 JULY 15-12-08

SOLTERWARN

SPAN

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