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HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 202 ISSUED 2200Z 20 JULY 1972

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY ONE SUBFLARE REPORTED TODAY. A WELL DEFINED ARCH FILAMENT SYSTEM IS STILL VISIBLE IN REGION 304 /N12W23/ INDICATING CONTINUED DEVELOPMENT OF THIS REGION. A BRIGHT PLAGE IS VISIBLE NEAR S09E40 WHICH MAY DEVELOP SPOTS WITHIN THE NEXT 24 HOURS. THE PROTON ENHANCEMENT WHICH BEGAN YESTERDAY IS NOW DECLINING WITH ATS-1 5-20 MEV FLUXES OF 15 PROTONS PER CM-SQ-SEC AT 1500Z.

THE GEOMAGNETIC FIELD HAD BEEN SLIGHTLY UNSETTLED UNTIL 1500Z, BUT IT IS NOW QUIET.

B. CONTINUED GROWTH OF REGION 304 AND POSSIBLE SPOT FORMATION NEAR S09E40 SHOULD RESULT IN A SLIGHT INCREASE IN SOLAR ACTIVITY. GENERALLY QUIET GEOMAGNETIC CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS.

C. EVENT PROBABILITIES FOR 21 JULY/0000Z-23 JULY/2400Z.

CLASS M 15/20/20

CLASS X 01/01/01

PROTON 01/01/01

D. OTTAWA 10.7CM FLUX

OBSERVED 20 JULY/1700Z 107

PREDICTED 21-23 JULY 108/109/110

E. A-FREDERICKSBURG

OBSERVED 19 JULY 10

ESTIMATED 20 JULY 08

PREDICTED 21-23 JULY 05-07-12

SOLTERWARN

SPAN

BT