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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 151 ISSUED 2200Z 30 MAY 1972

A. REGION 210 /N09E02/ CONTINUES TO SHOW COMPLEX MAGNETIC STRUCTURE WITH A LARGE DELTA CONFIGURATION WITHIN THE LEADER SPOT. HOWEVER, WHITE LIGHT OBSERVATIONS INDICATE THAT THIS DELTA CONFIGURATION IS WEAKENING. ACTIVITY FROM THIS REGION HAS DECREASED SINCE YESTERDAY WITH A CLASS M-2 EVENT AT 0150Z THE ONLY EVENT OBSERVED TODAY. A SMALL SUDDEN COMMENCEMENT WAS OBSERVED AT BOULDER AT ABOUT 30/1420Z. THIS WAS ACCCOMPANIED BY AN INCREASE IN THE ATS-1 5-21 MEV PROTON FLUX FROM ABOUT 600 PARTICLES CM-2 SEC-1 TO ABOUT 1000 PARTICLES CM-2 SEC-1 AT 1800Z. THE GEOMAGNETIC FIELD HAS BEEN ONLY MILDLY UNSETTLED SINCE THE SUDDEN COMMENCEMENT.

B. CLASS M EVENTS EXPECTED FROM REGION 210, CLASS X STILL POSSIBLE. A GENERAL DECREASING TREND IN ACTIVITY FROM THIS REGION IS EXPECTED. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME ACTIVE DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 MAY/0000Z ENDING 02 JUNE/2400Z.

CLASS M OR GREATER 85/85/85

CLASS X 15/10/10

PROTON EVENTS 15/15/15

D. OTTAWA 10.7CM FLUXES FOR 30/1400Z, 30/1700Z AND 30/2000Z WERE 115, 114 AND 114 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 31 MAY-02 JUN IS 115/116/116.

E. MAGNETIC A-FREDERICKSBURG FOR 29 MAY WAS 12. FOR 30 MAY ABOUT 12. PREDICTED AP FOR 31 MAY-02 JUN IS 25/15/10.

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