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HFUS BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 137 ISSUED 2200Z 16 MAY 1972

A. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL WITH REGIONS 184 /S07W22/ AND 186 /S04E16/ PROVIDING THE BULK OF THE CLASS C SUBFLARE ACTIVITY. ALTHOUGH REGION 184 PRODUCED A 1B /M5 CLASSIFICATION/ FLARE AT 16/0311Z, THE ACTIVITY OF THIS REGION AND REGION 186 HAS STABILIZED AND IS POSSIBLY DECAYING. REGIONS 193 /S12E47/ AND 195 /N15E49/ HAVE CONTRIBUTED LESSER AMOUNTS OF CLASS C SUBFLARE ACTIVITY, WITH REGION 193 SHOWING SOME DEGREE OF COMPLEXITY. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED, BUT SEEMS TO BE STABILIZING SOMEWHAT.

B. ACTIVITY SHOULD CONTINUE AT A MODERATE LEVEL WITH REGIONS 184 AND 186 CONTINUING TO PRODUCE MOST OF THE ACTIVITY. REGION 193 MAY INCREASE ITS LEVEL OF ACTIVITY IF IT CONTINUES TO DEVELOP. THE GEOMAGNETIC FIELD SHOULD REMAIN UNSETTLED FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17/0000Z ENDING 19/2400Z.

CLASS M OR GREATER 60/55/50

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 16/1400Z, 16/1700Z AND 16/2000Z WERE 169, 158 AND 162 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 17-19 MAY IS 163/160/157.

E. MAGNETIC A-FREDERICKSBURG FOR 15 MAY WAS 23. FOR 16 MAY ABOUT 16. PREDICTED AP FOR 17-19 MAY IS 12/14/08.

SOLTERWARN

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