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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 146 ISSUED 2200Z 25 MAY 1972

A. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY CLASS C SUBFLARES OBSERVED. THE TWO REGIONS OF CHIEF INTEREST, 193 /S13W67/ AND 210 /N08E64/, PRODUCED TWO AND THREE EVENTS RESPECTIVELY. REGION 193 HAS BEEN FAIRLY STABLE WITH SOME MINOR SPOT DEVELOPMENT IN ITS CENTRAL PORTION. IT IS BASICALLY A SIMPLE BI-POLE OF CLASS/AREA F/500 MILLIONTHS. REGION 210 IS JUST NOW GETTING FAR ENOUGH ONTO THE DISK FOR ITS STRUCTURE TO BE DISCERNED. IT APPEARS TO BE A MAGNETICALLY COMPLEX E/550 GROUP OF REVERSED POLARITY. THE 195/197 COMPLEX /N15W68/ CONTINUES TO DECLINE SLOWLY. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. ALTHOUGH THEY HAVE BEEN QUIET THE PAST 24 HOURS REGION 210 AND, TO A LESSER EXTENT, REGION 193 ARE JUDGED TO BE CAPABLE OF ENERGETIC ACTIVITY AT ANY TIME. EVENTS UP TO CLASS X ARE POSSIBLE DURING THE NEXT 72 HOURS. A PROTON ENHANCEMENT NEAR EARTH WOULD LIKELY FOLLOW ANY MAJOR ACTIVITY WITHIN REGION 193. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED WITHIN THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 MAY/0000Z ENDING 28 MAY/2400Z.

CLASS M OR GREATER 75/75/75

CLASS X 15/15/10

PROTON EVENTS 08/08/08

D. OTTAWA 10.7CM FLUXES FOR 25/1400Z, 25/1700Z AND 25/2000Z WERE 126, 124 AND 121 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 26-28 MAY IS 120/116/114.

E. MAGNETIC A-FREDERICKSBURG FOR 24 MAY WAS 06. FOR 25 MAY ABOUT 06. PREDICTED AP FOR 26-28 MAY IS 14/18/15.

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