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HFUS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 147 ISSUED 2200Z 26 MAY 1972

A. SOLAR ACTIVITY HAS CONTINUED LOW WITH ONLY C-CLASS SUBFLARES. AN INCREASE IN FREQUENCY OF SUBFLARES ORIGINATING IN REGION 210 /N08E52/ RAISES THE LIKELIHOOD OF AN ENERGETIC FLARE FROM THIS REGION. THE MAGNETIC CONFIGURATION OF REGION 210 IS COMPLEX WITH REVERSED POLARITIES. REGION 193 /S14W82/ IS BEGINNING TO TRANSIT THE WEST LIMB AND, THOUGH APPARENTLY INCREASING IN MAGNETIC COMPLEXITY, THIS REGION HAS BEEN QUIET FOR THE PAST 24 HOURS. REGION 197 /N15W85/ APPEARED TO BE DECLINING FURTHER AS IT PASSED FROM VIEW ON THE WEST LIMB. OTHER REGIONS ARE DULL AND UNINTERESTING.

B. DESPITE THE LOW LEVEL OF ACTIVITY, THE STEPPED UP SUBFLARE ACTIVITY IN REGION 210 PORTENDS EVENTUAL ENERGETIC FLARES. THIS REGION MAY BE EXPECTED TO PRODUCE A MODERATE-SIZED M-CLASS FLARE SOMETIME IN THE NEXT 24 HOURS. AS REGION 193 PASSES FROM VIEW OVER THE WEST LIMB IT TOO APPEARS CAPABLE OF PRODUCING AN ENERGETIC FLARE. THE EARTH MAY AVOID LOW ENERGY PARTICLES FROM THIS REGION, IF IT FLARES, DUE TO AN INTERVENING SECTOR BOUNDARY. EVENTS UP TO X-CLASS ARE POSSIBLE DURING THE NEXT 72 HOURS. 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 27/0000Z ENDING 29/2400Z.

CLASS M OR GREATER 75/75/75

CLASS X 15/15/10

PROTON EVENTS 08/08/08

D. OTTAWA 10.7CM FLUXES FOR 26/1400Z, 26/1700Z AND 26/2000Z WERE 116, 116 AND 113 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 27-29 MAY IS 110/105/102.

E. MAGNETIC A-FREDERICKSBURG FOR 25 MAY WAS 06. FOR 26 MAY ABOUT 12. PREDICTED AP FOR 27-29 MAY IS 13/18/15.

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