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HXUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 141 ISSUED 2200Z 20 MAY 1972

A. SOLAR ACTIVITY FOR THIS PERIOD WAS PRIMARILY RESTRICTED TO REGIONS 193 (S12W02), 195 (N13W05) AND 197 (N16W02). REGIONS 184 (S07W79) AND 186 (S03W35) HAVE SHOWN ONLY MINOR SUBFLARE ACTIVITY. THE LARGEST EVENT TODAY WAS A M-1 EVENT IN 195 AT 20/1703Z WHICH WAS ASSOCIATED WITH A MINOR RADIO BURST. ACTIVITY SEEMS TO BE CONTINUING ITS DOWNWARD TREND. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. OF THE REGIONS ON THE DISK AT THIS TIME REGION 193 IS THE LIKELY REGION FOR FURTHER ACTIVITY OF SIGNIFICANCE. THE 195/197 COMPLEX MAY ALSO CONTRIBUTE SOME EVENTS IN THE LOW TO MODERATE CLASS M LEVEL. THE GEOMAGNETIC FIELD SHOULD REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 21 MAY/0000Z ENDING 23 MAY/2400Z

CLASS M OR GREATER 50/45/45

CLASS X 05/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 20/1400Z, 20/1700Z AND 20/2000Z WERE 153, 149 AND 146, RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 21-23 MAY IS 140/135/130.

E. MAGNETIC A-FREDERICKSBURG FOR 19 MAY WAS 03. FOR 20 MAY ABOUT 04. PREDICTED AP FOR 21-23 MAY IS 03/02/05.

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