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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 136, ISSUED 2200Z 15 MAY 1972

A. MODERATE SOLAR ACTIVITY CONTINUES WITH REGIONS 184 /S07W08/ AND 186 /S04E30/ PROVIDING THE BULK OF THE ACTIVITY. ONE CLASS M2 EVENT ATTRIBUTED TO REGION 186 OCCURRED AT 15/0223Z. OTHER REGIONS CONTRIBUTING NON-ENERGETIC SUBFLARES INCLUDED 191 /N13W15/, 193 /S13E64/ AND 195 /N15E64/. A LOW ENERGY PROTON EVENT BEGAN AT ABOUT 15/1850Z. AT 15/2100Z THE ATS-1 5-21 MEV DETECTOR WAS AT ABOUT 34 TIMES BACKGROUND. A GEOMAGNETIC DISTURBANCE BEGAN WITH A SUDDEN COMMENCEMENT AT ABOUT 15/1856Z.

B. SOLAR ACTIVITY SHOULD CONTINUE AT A MODERATE LEVEL WITH REGION 186 SUPPLYING THE HIGHEST LEVEL OF ACTIVITY. LESSER ACTIVITY IS EXPECTED FROM REGIONS 184 AND 193. SMALL CLASS M EVENTS ARE EXPECTED AT THE RATE OF TWO TO FOUR PER DAY. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED FOR THE NEXT 12 TO 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 MAY/0000Z ENDING 18 MAY/2400Z

CLASS M OR GREATER 55/55/55

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 15/1400Z, 15/1700Z AND 15/2000Z WERE 168, 164 AND 163, RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 16-18 MAY IS 166/163/162.

E. MAGNETIC A-FREDERICKSBURG FOR 14 MAY WAS 05. FOR 15 MAY ABOUT 13. PREDICTED AP FOR 16-18 MAY IS 16/09/12.

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