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HFUS BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 128 ISSUED 2200Z 7 MAY 1972

SOLAR ACTIVITY INCREASES.

A. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 176/S13E13/ HAS BEEN THE MOST ACTIVE. IT PRODUCED A C7 SUBFLARE AT 1451Z WITH AN ACCOMPANYING 80 FLUX UNIT RADIO BURST AT 4995 MHZ. REGION 180/N19E14/ HAS SHOWN SLIGHT GROWTH IN BOTH H-ALPHA AND WHITE LIGHT. IT IS THE ONLY OTHER REGION PRODUCING SUB-FLARES TODAY. ALL OTHER REGIONS ARE STABLE OR DECLINING. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. LOW TO MODERATE SOLAR ACTIVITY EXPECTED FROM REGIONS 176 AND 180. REGION 176 WITH CONTINUED DEVELOPMENT COULD PRODUCE AN M EVENT. THE GEOMAGNETIC FIELD WILL BE QUIET THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 MAY/0000Z ENDING 10 MAY/2400Z.

CLASS M OR GREATER 30/30/10

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 07/1400Z, 07/1700Z AND 07/2000Z WERE 121, 116 AND 120 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 08-10 MAY IS 120/120/120.

E. MAGNETIC A-FREDERICKSBURG FOR 06 MAY WAS 10. FOR 07 MAY ABOUT 02 PREDICTED AP FOR 08-10 MAY, 03/05/10.

SOLTERWARN

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