

HXUS BOU 082200

FROM SPACE ENIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 129 ISSUED 2200Z 08 MAY 1972

A. FOUR CLASS C SUBFLARES HAVE BEEN OBSERVED THE PAST 24 HOURS. TWO FLARES OCCURRED IN REGION 180 (N19E01), ONE IN 176 (S13W00), AND ONE IN A SPOTLESS PLAGE NEAR N12E11. CONTINUUM RADIATION AT METRIC WAVELENGTHS FROM 08/1540Z TO 08/1900Z WAS PROBABLY ASSOCIATED WITH A SN FLARE IN REGION 176 AT 08/1537Z. REGION 176 APPEARS TO HAVE SIMPLIFIED SINCE YESTERDAY. REGION 180 IS GROWING SLOWLY. THE 2800MHZ FLUX IS UP SHARPLY. A NEW ACTIVE REGION IS APPROACHING THE EAST LIMB NEAR S08. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A GENERALLY LOW LEVEL FOR THE NEXT 72 HOURS. SUBFLARES ARE EXPECTED FROM REGIONS 176 AND 180. ONE OR TWO EVENTS MAY REACH SMALL CLASS M. THE GEOMAGNETIC FIELD WILL BE QUIET TO MILDLY UNSETTLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 MAY/0000Z ENDING 11 MAY/2400Z

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 08/1400Z, 08/1700Z AND 18/2000Z WERE 124, 130 AND 127, RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 09-11 MAY IS 130/132/130.

E. MAGNETIC A-FREDERICKSBURG FOR 07 MAY WAS 03. FOR 08 MAY ABOUT 04. PREDICTED AP FOR 09-11 MAY IS 07/09/09.

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