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HFUS BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 087 ISSUED 2200Z 27 MAR 1972

A. SOLAR ACTIVITY IS AT A LOW LEVEL. FLARE ACTIVITY HAS BEEN CONFINED TO INFREQUENT, NON-ENERGETIC SUBFLARE ACTIVITY. SURGE ACTIVITY IS BEING OBSERVED ON THE EAST LIMB NEAR S10 WHERE A RETURNING REGION /REGION 086 ON PREVIOUS ROTATION/ IS EXPECTED BACK TOMORROW. GROUND BASED SENSORS INDICATE THAT AN INTERPLANETARY SECTOR BOUNDARY SWEEP PAST THE EARTH AT ABOUT 2000Z ON 26 MAR. UNSETTLED GEOMAGNETIC CONDITIONS FOLLOWED ITS PASSAGE.

B. LOW LEVEL OF SOLAR ACTIVITY EXPECTED TO CONTINUE. A SLIGHT INCREASE IN ACTIVITY POSSIBLE WITH THE RETURN OF REGION 086. THE GEOMAGNETIC FIELD SHOULD RETURN TO QUIET CONDITION DURING THE NEXT 12 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 MAR/0000Z ENDING 30 MAR/2400Z.

CLASS M OR GREATER 20/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 27/1400Z, 27/1700Z AND 27/2000Z WERE 104, 105 AND 102 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 28-30 MAR IS 103/103/103.

E. MAGNETIC A-FREDERICKSBURG FOR 27 MAR WAS 09. FOR 28 MAR ABOUT 09. PREDICTED AP FOR 28-30 MAR IS 06/08/06.

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