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HFUS BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 343 ISSUED 2200Z 09 DEC 1971

ONLY MINOR FLARES EXPECTED.

A. SOLAR ACTIVITY HAS BEEN LOW. OF THE TEN REGIONS ON THE DISK, NONE HAVE SHOWN SIGNS OF MAJOR DEVELOPMENT. REGION 371 /N08E37/ HAS A SLIGHTLY COMPLEX STRUCTURE. SMALL NEW REGION 374 /S05W06/ IS IN A FAVORABLE POSITION FOR DEVELOPING INTO A MAJOR ACTIVITY CENTER DURING THIS AND THE NEXT SOLAR ROTATION. SURGES AND PROMINENCE ACTIVITY ON THE EAST LIMB MARK THE RETURN OF A PREVIOUSLY ACTIVE SECTOR. THE GEOMAGNETIC FIELD HAS BEEN LOCALLY UNSETTLED.

B. REGIONS 371 AND 364 /S04W41/ SHOULD PRODUCE THE MOST ENERGETIC FLARES DURING THE NEXT 24 HOURS BUT THESE ARE NOT EXPECTED TO BE LARGER THAN CLASS C OR CLASS M1. BOTH REGION 374 AND THE UNSEEN EAST LIMB REGIONS HAVE LONG TERM DEVELOPMENT POTENTIAL BUT DO NOT REPRESENT IMMEDIATE THREATS OF MAJOR ACTIVITY. THE GEOMAGNETIC FIELD SHOULD CONTINUE UNSETTLED DURING LOCAL NIGHTTIMES.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10 DEC/0000Z ENDING 12 DEC/2400Z.

CLASS M OR GREATER 25/30/35

CLASS X 02/02/02

PROTON EVENT 02/02/04

D. OTTAWA 10.7 CM FLUXES FOR 09/1400Z, 1700Z AND 2000Z WERE 125, 125 AND 123. PREDICTED 10.7 CM FLUXES FOR 10-12 DEC ARE 126/128/129.

E. MAGNETIC A-FREDERICKSBURG FOR 08 DEC WAS 02. FOR 09 DEC ABOUT 07. PREDICTED AP FOR 10-12 DEC ARE 09/06/05.

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