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HFUS BOU 272240

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 361 ISSUED 2200Z 27 DECEMBER 1971

NO ENERGETIC FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. EVEN NON-ENERGETIC EVENTS CONTINUE TO BE RARE FORMS OF ACTIVITY; LESS THAN FIVE SUBFLARES HAVE BEEN RECORDED AT MESSAGE TIME TODAY.

SIGNS OF GROWTH ARE EVIDENT IN ONLY ONE OF THE DISK FEATURES, NAMELY 395, WHICH IS PRESENTLY NEAR S12E02. FOUR NEW GROUPS ARE VISIBLE, BUT TWO OF THESE ARE APPARENTLY REMNANTS OF REGIONS THAT MAY HAVE BEEN ACTIVE ON THE BACK SIDE. THESE TWO H TYPE SPOTS LOCATED NEAR N21E75 /398/ AND S04E78 /397/ COULD WELL BE RESPONSIBLE FOR THE BEYOND-THE-LIMB ENHANCEMENTS EVIDENT ON OSO-7S 8-16A MAPS. HOWEVER, IT IS STILL TOO EARLY TO BE CERTAIN. QUIET CONDITIONS PREVAIL GEOMAGNETICALLY.

B. BASED ON THE OSO-7 X-RAY MAP THE FLARE PROBABILITY HAS BEEN RAISED FOR 29 DEC. THE EFFECTS OF AN INTERPLANETARY SECTOR BOUNDARY EXPECTED TO SWEEP BY EARTH DURING THE FORECAST PERIOD SHOULD BE MINIMAL.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 DEC/0000Z ENDING 30 DEC/2400Z.

CLASS M OR GREATER 25/50/25

CLASS X 02/08/02

PROTON EVENT 02/08/02

D. OTTAWA 10.7 CM FLUXES FOR 27/1400Z, 1700Z AND 2000Z WERE 125, 126 AND 122. PREDICTED 10.7 CM FLUXES FOR 28-30 DEC ARE 128/131/127.

E. MAGNETIC A-FREDERICKSBURG FOR 26 DEC WAS 11. FOR 27 DEC ABOUT 07. PREDICTED AP FOR 28-30 DEC ARE 05/08/02.

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