

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 031 ISSUED 2200Z 31 JANUARY 1972

SMALL CLASS M EVENTS ARE POSSIBLE.

A. SOLAR ACTIVITY STILL RELATIVELY LOW. REGION 033 /S16W37/ PRODUCED A BORDERLINE CLASS M1 IMPORTANCE IN FLARE AT 30/2346Z. THIS REGION HAS SHOWN ONLY SLIGHT GROWTH SINCE YESTERDAY BUT ITS NEUTRAL LINE HAS BECOME MORE CONTORTED INDICATING SOME INCREASE IN COMPLEXITY. TWO NON-ENERGETIC IMP IN FLARES OCCURRED IN REGION 036 /N13W72/ AT 31/1554Z AND 31/1850Z. SLOW GROWTH IS OCCURRING IN THIS REGION AND IN REGION 037 /N10W02/. THE EASTERN HALF OF THE SUN IS DEVOID OF ACTIVE REGIONS AND THE EAST LIMB IS QUIET. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN RELATIVELY LOW FOR THE NEXT 72 HOURS. ADDITIONAL SMALL X-RAY EVENTS ARE LIKELY FROM REGION 033. THE GEOMAGNETIC FIELD SHOULD BE QUIET FOR THE NEXT 72 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 FEB/0000Z ENDING 03 FEB/2400Z.

CLASS M OR GREATER 30/25/20

CLASS X 01/01/01

PROTON EVENT 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 31/1400Z 1700Z AND 2000Z WERE 116, 115 AND 114. PREDICTED 10.7 CM FLUXES FOR 01-03 FEBRUARY ARE 111/108/105.

E. MAGNETIC A-FREDERICKSBURG FOR 30 JAN WAS 06. FOR 31 JAN ABOUT 04. PREDICTED AP FOR 01-03 FEB ARE 06/07/06.

SOLTERWARN