

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 101 ISSUED 2200Z 10 APRIL 1972

SMALL CLASS M EVENTS POSSIBLE

A. DATA FROM SOLRAD-9 REVEAL THAT A SN/IN FLARE AT 09/0635 IN REGION 137 /S11E50/ WAS BORDERLINE CLASS M1.A 1B FLARE AT 09/2320Z IN REGION 131 /S12 ON WEST LIMB/ WAS CLASS M3. AT THE TIME OF THE FLARE REGION 131 CONTAINED A C-TYPE SPOT GROUP WITH AREA LESS THAN 10 MILLIONTHS OF THE SOLAR HEMISPHERE. SUBFLARE ACTIVITY FROM REGIONS 133/S07E20/, 137 /S11E50/ AND 134/S14E16/ HAS DROPPED TO ABOUT ONE THIRD OF WHAT IT WAS 24 HOURS AGO. THESE REGIONS REMAIN SIMPLE AND SHOW NO SIGNS OF SIGNIFICANT GROWTH. AN H-TYPE SPOT WITH FAINT PLAGE HAS CROSSED THE EAST LIMB NEAR N10 /GROUP NUMBER 138/. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. A LOW LEVEL OF ACTIVITY IS EXPECTED DURING THE NEXT 72 HOURS. ONE OR TWO EVENTS FROM ANY OF THE SOUTHEASTERN REGIONS MAY REACH SMALL CLASS M INTENSITY. THE GEOMAGNETIC FIELD WILL BE QUIET THROUGH 11 APRIL AND WILL BE QUIET TO UNSETTLED THEREAFTER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 APR/0000Z ENDING 13 APR/2400Z.

CLASS M OR GREATER 25/25/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 10/1400Z, 10/1700Z AND 10/2000Z WERE 129, 130 AND 128 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 11-13 APR IS 129/128/126.

E. MAGNETIC A-FREDERICKSBURG FOR 09 APR WAS 02. FOR 10 APR ABOUT 04 PREDICTED AP FOR 11-13 APR, 05/12/10.

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