

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 057 ISSUED 2200Z 26 FEB 1972
ISOLATED CLASS M FLARE EXPECTED.

A. ACTIVITY HAS BEEN CONFINED TO A SMALL X-RAY FLARE IN RGN 076 /N12W42/ AND TO OCCASIONAL SUBFLARES AND A 1B, CLASS M FLARE IN REGION 070. THE CLASS M FLARE /1917U.T./ WAS ACCOMPANIED BY A MODERATE CENTIMETRIC BURST BUT NOTHING WAS DETECTED AT METER WAVELENGTHS. NO HIGH ENERGY PROTONS ARE EXPECTED FROM THIS EVENT. REGION 070 REMAINS BASICALLY A SIMPLE REGION MAGNETICALLY BUT WITH A SOMEWHAT COMPLICATED LINE OF POLARITY REVERSAL. REGIONS 066 /N13W57/ AND 067 /N09W64/ CONTINUE TO DECLINE IN H-ALPHA, SUNSPOT AREA, AND IN MAGNETIC COMPLEXITY. REGION 076 /N12W42/ IS A SIMPLE, SMALL BIPOLE BUT IS NEAR ENOUGH TO 066 FOR INTERACTION TO BE A FACTOR IN FLARE PRODUCTION. THE GEOMAGNETIC FIELD IS GENERALLY QUIET.

B. OCCASIONAL NON-ENERGETIC FLARES ARE EXPECTED WITH THE NORTH-WESTERN COMPLEX AND REGIONS 070 AND 078 WITH AN ISOLATED CLASS M LIKELY FROM EITHER 066/067 OR 070. THE PROBABILITY OF A MAJOR SOLAR FLARE HAS DECREASED BUT MUST STILL BE CONSIDERED A SIGNIFICANT POSSIBILITY. THE GEOMAGNETIC FIELD SHOULD REMAIN GENERALLY QUIET WITH UNSETTLED PERIODS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 FEB/0000Z ENDING 29 FEB/2400Z.

CLASS M OR GREATER 75/75/65

CLASS X 05/05/05

PROTON EVENT 05/05/05

D. OTTAWA 10.7CM FLUXES FOR 26/1400Z, 1700Z AND 2000Z WERE 153, 155 AND 158. PREDICTED 10.7CM FLUXES FOR 27-29 FEB ARE 152/145/142.

E. MAGNETIC A-FREDERICKSBURG FOR 25 FEB WAS 12. FOR 26 FEB ABOUT 06. PREDICTED AP FOR 27-29 FEB ARE 06/06/08.

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