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HAUS BOU 270400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 639A ISSUED 0400Z 27 MAY 1970

TWO OR THREE M FLARES ARE EXPECTED DURING THE NEXT 12-HOUR PERIOD FROM THE S07E10 REGION.

A. M AND X TOTALS FOR THE PREVIOUS DAY NOW STAND AT SIX AND ONE RESPECTIVELY. FIVE OF THESE M FLARES, AS WELL AS THE SINGLE X EVENT, OCCURRED WITHIN THE S07E10 SPOT GROUP. ACTIVITY WITHIN THIS SOMEWHAT SCALED-DOWN ACTIVE CENTER HAS BEEN CHARACTERIZED BY NEAR DELTA-FUNCTION PROFILES AT 1-8A AND SMALL RADIO NOISE BURSTS. NO OUTSTANDING DEVELOPMENTS IN WHITE OR MONOCHROMATIC LIGHT HAVE BEEN OBSERVED THESE PAST 11 HOURS WITHIN EITHER THE S07E10 REGION OR ANY OF THE REMAINING 14 DISK FEATURES CURRENTLY VISIBLE.

B. OVERALL FLARE FREQUENCY INCREASED BY A FACTOR OF TWO YESTERDAY COMPARED TO THE PREVIOUS 24-HOUR PERIOD. A CONTINUATION OF THIS TREND IS NOT FORESEEN. ENERGETIC FLARES ARE EXPECTED /M ONLY/. HOWEVER, THEIR NUMBER SHOULD DECLINE MONOTONICALLY DURING THE NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 MAY/0400Z ENDING 30 MAY/0400Z

CLASS M OR GREATER 95/90/80

CLASS X 30/25/15

PROTON EVENTS 08/10/15

D. OTTAWA 10.7 CM FLUXES FOR 26/1700Z AND 26/2000Z WERE 158 AND 161 RESPECTIVELY.

NOTE- OTTAWA 10.7 CM FLUX FOR 26/1400Z WAS 157 AND NOT 15 AS INDICATED IN THE EARLIER MESSAGE.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 639B ISSUED 1700Z 27 MAY 1970

CLASS-M FLARES ARE ANTICIPATED DURING THE NEXT 11 HOURS FROM  
THE REGION AT S07E02.

A. SOLAR ACTIVITY HAS DECREASED SOMEWHAT DURING THE PAST 13  
HOURS. ONE CLASS-M EVENT, A SUBNORMAL FLARE AT 27/0115Z FROM  
THE REGION AT S07E02, WAS REPORTED. THIS REGION PRESENTLY APPEARS  
TO CONTAIN TWO DELTA COMPLEXES, HAS SHOWN CHANGES IN ITS SPOT  
STRUCTURE, AND IS PRODUCING OCCASIONAL SUBFLARES. THE REGION  
AT S14W23 HAS BEEN RATHER INACTIVE AND APPEARS TO HAVE SIMPLIFIED  
SOMEWHAT. OTHER DISK REGIONS DO NOT APPEAR PARTICULARLY INTER-  
ESTING AT PRESENT. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. SPORADIC CLASS-M ACTIVITY IS EXPECTED FROM THE REGION AT S07E02;  
AT PRESENT THIS REGION IS NOT EXPECTED TO CONTINUE ITS PATTERN  
OF GROWTH AND FLARE ACTIVITY FOR MUCH LONGER. THE GEOMAGNETIC  
FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 27 MAY/1700Z ENDING 30 MAY/1700Z.

CLASS M OR GREATER 85/80/80

CLASS X 20/15/10

PROTON EVENTS 08/10/10

D. OTTAWA 10.7 CM FLUX FOR 27/1400Z WAS 151. PREDICTED 10.7 CM  
FLUX FOR 28-30 MAY IS 150/148/148.

E. MAGNETIC A-FREDERICKSBURG FOR 26 MAY WAS 01. FOR 27 MAY  
ABOUT 08. PREDICTED AP FOR 28-30 MAY 08/08/12.

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