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KMSC

HAUS BOU 101700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 592B ISSUED 1700Z 10 APRIL 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS DECREASED WITH THE MOST SIGNIFICANT FLARE  
BEING A CLASS M /IMP IN/ EVENT AT 10/0108Z AT N13E41. THE ONLY  
SIGNIFICANT CHANGE ON THE DISK HAS BEEN THE EMERGENCE OF A NEW  
BIPOLAR REGION ON THE NORTH SIDE OF THE LARGE LEAD PENUMBRA AT  
S13W19. THIS REGION ALSO SHOWS ARCH FILAMENT SYSTEMS AND FLUCTUATING  
PLAGE BRIGHTENINGS. THE REMAINING REGIONS HAVE SHOWN LITTLE CHANGE.  
ATS-1 SATELLITE PROTON FLUXES ARE AT BACKGROUND. THE GEOMAGNETIC  
FIELD IS QUIET.

B. CLASS M ACTIVITY IS EXPECTED TO CONTINUE AT A MODERATE LEVEL  
FROM THE N13E41 AND S13W19 REGIONS DURING THE NEXT THREE DAYS. THE  
NEW BIPOLAR SPOT GROWTH IN THE REGION AT S13W19 COULD INTERACT  
WITH THE EXISTING REGION AND INITIATE A LARGER CLASS X EVENT. THE  
GEOMAGNETIC FIELD IS EXPECTED TO BECOME DISTURBED ON 12 APRIL.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 10/1700Z ENDING 13/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 30/35/40

PROTON EVENTS 15/20/25

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 226. PREDICTED 215/210/200.

E. MAGNETIC A-FREDERICKSBURG FOR 09 APRIL WAS 18. FOR 10 APRIL  
ABOUT 03. PREDICTED FLARES 11-13 APRIL, 10/20/12.

SOLTERWARN

SPAN

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