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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 1N/ 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 FLARE 11-13 APRIL, 10/20/12.

SOLTERWARN

SPAN

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