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HAUS BOU 031715Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 554B ISSUED 1700Z 03 MARCH 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS AT A MODERATELY HIGH LEVEL WITH TWO IMPORTANCE 1B CLASS M FLARES OBSERVED AT 03/0022Z AT S14E88 AND AT 03/0629Z AT N14W57. AT PRESENT, THERE ARE NO SPOTS AT S14E88, BUT IN H-ALPHA, A BRIGHT MOUND OF ELONGATED PLAGE IS PRESENT. THE N14W57 REGION IS UNCHANGED. THE VERY ACTIVE REGION AT N07E17 HAS SIMPLIFIED INTO A LARGE, DARK LEADING UMBRA WITH A RESULTING LOSS OF ITS PENUMBRAL AREA. THIS REGION IS THE BRIGHTEST ON THE DISK. A PREVIOUSLY ACTIVE REGION IS ROTATING OVER THE LIMB AT N21E82. THE REMAINING REGIONS ARE SMALL, STABLE AND UNIMPRESSIVE. THE GEOMAGNETIC FIELD IS CURRENTLY SLIGHTLY DISTURBED.

B. CLASS M ACTIVITY SHOULD BE INCREASING FROM THE S14E88 AND N21E82 REGIONS WITH DECREASING ACTIVITY FROM THE N07E17 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03/1700Z ENDING 06/1700Z.

CLASS M OR GREATER 100/100/100

CLASS X 50/50/50

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 170. PREDICTED 180/188/193.

E. MAGNETIC A-FREDERICKSBURG FOR 02 MARCH WAS 18. FOR 03 MARCH ABOUT 10 PREDICTED AP FOR 4-6 MARCH, 10/8/8.

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