

NNNN0401

NNNN

KMSC

HAUS BOU 020400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO.

SDF NUMBER 675A ISSUED 0400Z 02 JULY 1970.

CLASS M ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. ONLY CLASS C ACTIVITY HAS BEEN OBSERVED DURING THE PAST 11 HOURS. SPOT GROWTH IS ONCE AGAIN OCCURRING IN THE N23W15 REGION, THIS TIME IN THE SW PORTION. THE S07E23 GROUP SHOWS NO MAJOR CHANGES AND REMAINS ACTIVE IN APPEARANCE. THE REGIONS NEAR N13E72, N11E72, AND S09E70 HAVE BEEN RELATIVELY QUIET. A GEOMAGNETIC SUDDEN COMMENCEMENT WAS REPORTED AT 01/1303Z BUT SO FAR ONLY HIGH LATITUDE STATIONS HAVE SHOWN SIGNIFICANT DISTURBANCES.

B. CLASS M ACTIVITY IS EXPECTED FROM THE REGIONS NOW NEAR N23W15 AND S07E23 DURING THE NEXT 72 HOURS. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED FOR THE NEXT 24-48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 JULY/0400Z ENDING 05 JULY/0400Z.

CLASS M OR GREATER 75/80/80

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUXES FOR 01/1700Z AND 01/2000Z WERE BOTH 174.

SOLTERWARN

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KMSC

HAUS BOU 021700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 675B ISSUED 1700Z 02 JULY 1970

CLASS-M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING THE PAST 24 HOURS; NO CLASS M EVENTS HAVE BEEN REPORTED. RECENT FLARE ACTIVITY, CONSISTING ENTIRELY OF SUBFLARES, HAS BEEN PRODUCED BY THE REGIONS AT S09E63, S07E16, AND N23W22. EVALUATION OF THE E-TYPE REGION AT S09E63 SHOWS A SINUOUS NEUTRAL LINE WITH A HIGH MAGNETIC GRADIENT NEAR THE TRAILER SPOTS. THE COMPLEX GAMMA-TYPE REGION AT S07E16 HAS SHOWN SPOT DEVELOPMENT DURING THE PAST 24 HOURS, AND H-ALPHA OBSERVATIONS REVEAL A STRONG IMBEDDED FILAMENT NORTH OF THE MAIN SPOT. THE REGION AT N23W22 HAS BEEN ACTIVE IN THE MID-SECTION BEHIND THE LEADER; ENHANCED PLAGE AND ABSORPTION FEATURES THERE SUGGEST THAT FUTURE ACTIVITY WILL COME FROM THAT PORTION OF THE REGION. THE GEOMAGNETIC FIELD BECAME DISTURBED AT APPROXIMATELY 02/0700Z; K-VALUES FOR 0600-0900Z AND 0900-1200Z WERE BOTH FOUR. DISTURBANCE HAS SUBSIDED SOMEWHAT SINCE 1200Z. DEEP RIVER NEUTRON COUNTS SHOWED APPROXIMATELY A THREE PERCENT DECREASE BETWEEN 02/0200Z AND 0800Z.

B. CLASS-M ACTIVITY IS LIKELY FROM THE S09E63, S07E16, AND N23W22 REGIONS. THE GEOMAGNETIC FIELD IS EXPECTED TO BE SLIGHTLY DISTURBED DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 JULY/1700Z ENDING 05 JULY/1700Z.

CLASS M OR GREATER 85/85/85

CLASS X 15/15/15

PROTON EVENTS 12/15/12

D. OTTAWA 10.7CM FLUX FOR 02/1400Z WAS 182. PREDICTED 10.7CM FLUX FOR 03-05 JULY IS 186/188/190.

E. MAGNETIC A-FREDERICKSBURG FOR 30 JUNE WAS 04; FOR 01 JULY 11. FOR 02 JULY ABOUT 15. PREDICTED AP FOR 03-05 JULY IS 10/09/08.

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