

NNNN0350

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KMSC

HAUS BOU 240400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 547A ISSUED 0400Z 24 FEBRUARY 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS CONSISTED OF NUMEROUS CLASS C FLARES. ONE CLASS M EVENT WAS REPORTED 23/1455Z. NO OPTICAL EVENT WAS OBSERVED AT THIS TIME. OBSERVING HAS BEEN SPORADIC AT MANY OF THE OBSERVATOR-IES DUE TO CLOUDS. MOST OF THE REGIONS ON THE DISK ARE QUIET. THE REGION N17E40 HAS SHOWN SOME GROWTH IN SPOTS AND PLAGE DURING THE PAST 24 HOURS. A SMALL SUDDEN COMMENCEMENT 23/2013Z WAS RECORDED IN THE GEOMAGNETIC FIELD.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT RATE, CLASS C WITH AN OCCASIONAL CLASS M FLARE. GEOMAGNETIC DISTURBANCE WILL NOT REACH STORM PROPORTION.

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

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 23/1700Z AND 2000Z WERE 188 AND 193 RESPECTIVELY.

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HAUS BOU 241700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 547B ISSUED 1700Z 24 FEB 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH THE MAJORITY OF THE ACTIVITY COMING FROM THE N17E32 REGION. THIS REGION PRODUCED A CLASS M (IMP 1N) FLARE AT 24/0854Z WITH SMALL IONOSPHERIC EFFECTS. THIS REGION IS MAGNETICALLY A BETA-GAMMA WITH A DELTA CONFIGURATION, AND CONTAINS AN ARCH FILAMENT SYSTEM AND POINT BRIGHTENINGS IN H-ALPHA. HOWEVER, ITS WHITE LIGHT SPOT GROWTH HAS CEASED TEMPORARILY. THE REMAING REGIONS ARE STABLE. BSL'S AND A SMALL PLAGE HAVE BEEN OBSERVED AT S15EL. THE GEOMAGNETIC FIELD IS CURRENTLY SLIGHTLY DISTURBED.

B. CONTINUED SPOT GROWTH AND CLASS M ACTIVITY IS EXPECTED FROM THE N17E32 REGION.

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

CLASS M OR GREATER 30/80/80

CLASS X 5/10/15

PROTON EVENTS 2/2/2

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 186. PREDICTED 188/188/190.

E. MAGNETIC A-FREDERICKSBURG FOR 23 FEB WAS 04. FOR 24 FEB ABOUT 08 PREDICTED AP FOR 25-27 FEB, 8/8/8.

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