

NNNN0350

NNNN

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 OBSERVATORIES 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.

SOLTERWARN

SPAN

BT

NNNN1659

NNNN

KMSC

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 80/80/80

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.

SOLTERWARN

SPAN

BT