

NNNN0350

NNNN

KMSC

HAUS BOU 200400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 020A ISSUED 0400Z 20 JAN 1971

CLASS-C FLARES AND ONE OR TWO CLASS-M FLARES ARE EXPECTED  
DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL  
DURING THE LAST ELEVEN HOURS; ONLY A FEW SMALL CLASS-C  
FLARES HAVE BEEN REPORTED. THE MOST IMPRESSIVE DISK FEATURE  
CONSISTS OF THE E/930 SPOT GROUP AND ASSOCIATED PLAGE AT  
N18E11; THIS REGION HAS SHOWN SOME MINOR SPOT DECAY DURING  
THE PAST 24 HOURS, BUT THE NORTH-CENTRAL PORTION OF THE  
GROUP CONTAINS TWO MAGNETIC DELTA COMPLEXES AND ENHANCED  
FLUCTUATION PLAGE. THE D/370 REGION AT S13E45 ALSO POSSESSES  
A MAGNETIC DELTA COMPLEX AND CONTAINS RELATIVELY BRIGHT  
PLAGE. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. THE  
GEOMAGNETIC FIELD REMAINED QUIET FROM 19/1700Z UNTIL ABOUT  
2300Z, WHEN SOME MINOR DISTURBANCE BEGAN GRADUALLY.

B. SOLAR ACTIVITY DURING THE 72-HOUR FORECAST PERIOD  
PROBABLY WILL CONSIST OF OCCASIONAL SMALL FLARES AND ONE  
OR TWO LARGE CLASS-M EVENTS FROM THE ACTIVE CENTERS AT  
N18E11 AND S13E45. THE GEOMAGNETIC FIELD IS EXPECTED TO  
BE DISTURBED FOR THE NEXT SEVERAL DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE  
24 HOUR PERIODS BEGINNING 20 JAN/0400Z ENDING 23 JAN/0400Z.

CLASS M OR GREATER 80/75/70

CLASS X 15/15/10

PROTON EVENTS 15/15/15

D. OTTAWA 10.7 CM FLUXES FOR 19/1700Z AND 19/2000Z WERE  
171 AND 171 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNN1718

NNNN1718

NNNN

KMSC

HAUS BOU 201720

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 020B ISSUED 1700Z 20 JAN 1971

A CLASS M FLARE IS EXPECTED IN THE NEXT 11 HOURS.

A. THE N18E04 REGION REMAINS COMPLEX WITH PLAGE ENHANCEMENTS AND SMALL SPOT GROWTH IN THE NORTHERN PORTION OF THE REGITN. A BRIGHT BIPOLEAR REGION IS GROWING JUST ~~WEST~~ <sup>EAST</sup> OF THE N18E04 REGITN. THE S13E38 REGION AFTER REMAINING DORMANT SINCE ITS EAST LIMB PASSAGE HAS STARTED TO FLARE OCCASIONALLY. ITS BRIGHT PLAGE AND ARCH FILAMENTS INDICATE FURTHER GROWTH. A GEOMAGNETIC DISTURBANCE BEGAO AT 19/2300Z WITH K INDICES NO GREATER THAN 4.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE BUT WITH AN INCREASE OF ENERGETIC EVENTS IN THE NEXT 72 HOURS. THE GEOMAGNETIC DISTURBANCE IS EXPECTED TO SUBSIDE IN THE NEXT 12 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 JAN/1700Z ENDING 22 JAN/1700Z.

CLASS M OR GREATER 80/90/95

CLASS X 15/20/25

PROTON EVENTS 15/20/25

D. OTTAWA 10.7 CM FLUX FOR 20/1400Z WAS 177. PREDICTED 10.7 CM FLUX FOR 21-23 JAN IS 180/182/185.

E. MAGNETIC A-FREDERICKSBURG FOR 19 JAN WAS 09. FOR 20 JAN ABOUT 20 PREDICTED AP FOR 21-23 JAN, 13/10/06.

SOLTERWARN

SPAN

BT