

HAUS BOU 010400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO  
SDF NUMBER 766A ISSUED 0400Z 01 OCT 1970

A FEW CLASS-C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE

PAST 11 HOURS; ONLY A FEW CLASS-C SUBFLARES HAVE BEEN REPORTED.

EVALUATION OF THE REGION NEAR S10E85 PRESENTLY IS DIFFICULT;

THE PLAGE IS SMALL AND MODERATELY BRIGHT, BUT NO SPOTS ARE

VISIBLE YET AT THAT SITE. OTHER DISK REGIONS HAVE SHOWN LITTLE

SIGNIFICANT CHANGE. DATA FROM THE PIONEER 6 AND 8 SATELLITES

SHOW A SIGNIFICANT INCREASE IN THE SOLAR WIND VELOCITY, INDICATING

THAT AN APPARENT INTERPLANETARY SECTOR BOUNDARY WILL SWEEP PAST

EARTH SOMETIME AFTER 1200Z ON 03 OCTOBER; THE EXISTENCE OF THIS

SECTOR BOUNDARY IS FURTHER SUGGESTED BY H-ALPHA OBSERVATIONS OF

THE DISK. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET

DURING THE PAST 11 HOURS.

B. ONLY OCCASIONAL, RELATIVELY NON-ENERGETIC FLARES ARE ANTICIPATED  
DURING THE FORECAST PERIOD. THE GEOMAGNETIC FIELD IS EXPECTED TO  
REMAIN RELATIVELY QUIET UNTIL ABOUT 1200Z ON 03 OCTOBER, AT WHICH  
TIME A MODERATE MAGNETIC DISTURBANCE MAY OCCUR.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 01 OCT/0400Z ENDING 04 OCT/0400Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 30/1700Z AND 30/2000Z WERE 134 AND  
132 RESPECTIVELY.

SOLTERWARN

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HAUS BOU 011700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 766B ISSUED 1700Z 01 OCT 1970

A FEW CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. THE REGIONS ON THE DISK ARE DECLINING EXCEPT FOR SOME  
SMALL A TYPE SPOTS EMERGING AT VARIOUS LOCATIONS IN THE  
EASTERN SECTOR OF THE SUN. THE GEOMAGNETIC FIELD IS QUIET.

B. REFER TO FORECAST 766A.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE  
24 HOUR PERIODS BEGINNING 01 OCT/1700Z ENDING 03 OCT/1700Z.

CLASS M OR GREATER 10/10/10

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 01/1400Z WAS 131. PREDICTED  
10.7 CM FLUX FOR 02-04 OCT IS 127/124/120.

E. MAGNETIC A-FREDERICKSBURG FOR 30 SEPT WAS 09. FOR 01 OCT  
ABOUT 06. PREDICTED AP FOR 02-04 OCT, 06/08/15.

SOLTERWARN

SPAN

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