

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.

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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.

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