

NNNNUU0409

NNNNBMV

KMSC

HAUS BOU 090410Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 682A ISSUED 0400Z 09 JULY 1970

SOLAR ACTIVITY EXPECTED TO REMAIN AT LOW LEVEL WITH A MINOR  
MAGNETIC STORM EXPECTED TO CONTINUE FOR NEXT 12 HOURS.

A. FLARE ACTIVITY HAS BEEN AT LOW LEVEL WITH THE REGION NEAR  
S10W25 HAVING THE MOST GROWTH IN THE LAST 24 HOURS. NO CLASS  
M OR CLASS X FLARES HAVE BEEN REPORTED IN LAST 36 HOURS. A  
MINOR MAGNETIC STORM BEGAN AT 03/2315Z.

B. FLARE ACTIVITY EXPECTED TO GRADUALLY INCREASE IN THE NEXT 24  
TO 72 HOURS. THE MAGNETIC STORM EXPECTED TO END BY 09/1200Z,  
HOWEVER SLIGHTLY DISTURBED GEOMAGNETIC CONDITIONS EXPECTED TO  
PERSIST FOR NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 09 JULY/0400Z ENDING 12 JULY/0400Z.

CLASS M OR GREATER 50/65/75

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 03/1700Z AND 08/2000Z WERE 155  
AND 156 RESPECTIVELY.

E. REVISED MAGNETIC A-FREDERICKSBURG PREDICTED FOR 09-11 JULY,  
28/12/12.

SOLTERWARN

SPAN

BT

NNNNUU1657

NNNNQG

KMSC

HAUS BOU 091700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 632B ISSUED 1700Z 09 JULY 1970

ONLY CLASS-C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY DURING THE PAST 13 HOURS HAS REMAINED AT A RELATIVELY LOW LEVEL. ONLY ONE CLASS-M EVENT HAS BEEN REPORTED DURING THE PAST 24 HOURS; THIS EVENT WAS A SUB-BRILLIANT FLARE AT 09/0054Z FROM THE REGION AT S09W75. A NEW C-TYPE SPOT GROUP IS LOCATED AT N18E83 BUT SO FAR THIS REGION DOES NOT APPEAR CAPABLE OF PRODUCING ENERGETIC FLARES. OTHER SOLAR REGIONS HAVE SHOWN LITTLE CHANGE, AND THE DISK GENERALLY APPEARS RATHER UNINTERESTING. THE GEOMAGNETIC STORM THAT BEGAN SUDDENLY 082317Z APPARENTLY WAS MOST SEVERE BETWEEN 09/0300Z AND 09/0600Z, FOR WHICH PERIOD A MAGNETIC K-VALUE OF 7 WAS REPORTED BY THE GEOMAGNETIC OBSERVATORY AT FREDERICKSBURG, VIRGINIA. DISTURBANCE HAS DECREASED SINCE APPROXIMATELY 09/0700Z.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN RATHER LOW. THERE IS A FAIR CHANCE THAT THE REGION AT S09W75 WILL PRODUCE A CLASS-M FLARE DURING THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SOMEWHAT DISTURBED DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 JULY/1700Z ENDING 12 JULY/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7CM FLUX FOR 09/1400Z WAS 142. PREDICTED 10.7CM FLUX FOR 10-12 JULY IS 137/142/148.

E. MAGNETIC A-FREDERICKSBURG FOR 08 JULY WAS 09. FOR 09 JULY ABOUT 35. PREDICTED AP FOR 10-12 JULY 14/09/07.

SOLTERWARN

SPAN

BT