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HAUS BOU 080400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 712A ISSUED 0400Z 08 AUGUST 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL DURING THE PAST 11 HOURS. THE TWO REGIONS WHICH HAVE PRODUCED THE ACTIVITY N19E16 AND S06E05 HAVE BOTH STABILIZED AND ARE NOT SHOWING THE RAPID GROWTH EVIDENT EARLIER THE PAST DAY. THE REGION S06E05 DOES CONTAIN MAGNETICALLY COMPLEX STRUCTURE IN THE TRAILER PORTION. OTHER REGIONS ON THE DISK ARE QUIET. THE GEOMAGNETIC FIELD IS DISTURBED.

B. CLASS C FLARES ARE EXPECTED FROM N19E16 AND S06E05. IF THESE REGIONS SHOULD START TO GROW AND DEVELOP AGAIN, CLASS M FLARES WOULD BE EXPECTED FROM S06E05. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF DISTURBED CONDITIONS FOR 36-48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 AUG/0400Z ENDING 11 AUG/0400Z

CLASS M OR GREATER 45/45/45

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 07/1700Z AND 07/2000Z WERE 125 AND 127 RESPECTIVELY.

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HAUS BOU 081700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO  
SDF NUMBER 712B ISSUED 1700Z 08 AUGUST 1970

ONLY CLASS-C FLARES ARE ANTICIPATED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 13 HOURS;  
THE MOST SIGNIFICANT EVENTS REPORTED WERE SUBFLARES NEAR N21E46,  
N19E09, AND S06W02. DEVELOPMENT AT THE N19E09 AND S06W02 SITES  
HAS BEEN OF ONLY MINOR SIGNIFICANCE, BUT THE REGION AT N21E46  
HAS GROWN APPRECIABLY AND NOW CONTAINS A SMALL D-TYPE SPOT GROUP.  
THE PLAGE IN THIS N21E46 REGION CURRENTLY CONTAINS SEVERAL DARK  
ARCH FILAMENTS AND APPEARS TO BE DEVELOPING. A MINOR GEOMAGNETIC  
STORM BEGAN GRADUALLY AT 07/2000Z; THE MAXIMUM K-VALUES REPORTED  
BY FREDERICKSBURG, VIRGINIA WERE K-5 FOR 07/2100-2400Z AND  
08/0900-1200Z

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY DURING THE  
FORECAST PERIOD. IF THE REGION AT N21E46 CONTINUES TO DEVELOP,  
ENERGETIC FLARES MAY BE PRODUCED AT THAT SITE. THE GEOMAGNETIC  
FIELD IS EXPECTED TO SHOW PERIODS OF DISTURBANCE DURING THE NEXT  
24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 08 AUG/1700Z ENDING 11 AUG/1700Z.

CLASS M OR GREATER 45/50/50

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 08/1400Z WAS 128.

PREDICTED 10.7 CM FLUX FOR 09-11 AUG IS 133/137/139.

E. MAGNETIC A-FREDERICKSBURG FOR 07 AUG WAS 13. FOR 08 AUG  
ABOUT 20 PREDICTED AP FOR 09-11 AUG, 11/08/08.

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