

NNNN0400

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KMSC

HAUS BOU 160400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 312A ISSUED 0400Z 16 NOVEMBER 1970

CLASS M FLARES ARE EXPECTED AND AN OCCASIONAL CLASS X FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. ENERGETIC FLARE ACTIVITY HAS CONTINUED TO INCREASE DURING THE PAST 11 HOURS. THE ENERGETIC FLARES HAVE BEEN OBSERVED FROM REGION N1SW20: X3-15/1820Z, M2-15/2127Z, X9-16/0052Z. THE LAST X FLARE WAS CLASSIFIED AS 2 BRIGHT AND WAS ACCCOMPANIED BY A MAJOR 10CM RADIO BURST. CULGOORA REPORTS A VERY COMPLICATED BURST INCLUDING AT LEAST SOME TYPE 4. FROM THIS FLARE. THE REGION N1SW20 IS STILL A POTENTIAL FLARE PRODUCING REGION WHICH CONTAINS SEVERAL DELTA CONFIGURATIONS. THE GEOMAGNETIC FIELD IS QUIET.

B. ENERGETIC FLARES ARE EXPECTED FROM THE NORTH WEST REGION, CLASS M AND CLASS X FLARES DURING THE NEXT THREE DAYS. THE GEOMAGNETIC FIELD WILL BECOME DISTURBED REACHING MINOR STORM PROPORTIONS ON THE 17TH, WITH POSSIBLE GREATER MAGNITUDE ON THE 18TH.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 NOV/0400Z ENDING 19 NOV/0400Z.

CLASS M OR GREATER 99/99/99

CLASS X 50/50/50

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUXES FOR 15/1700Z AND 15/2000Z WERE BOTH 205  
SOLTERWARN

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HAUS BOU 161700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 812B ISSUED 1700Z 16 NOVEMBER 1970

ONE OR TWO CLASS X FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. THE N16W28 REGION CONTINUES TO PRODUCE MAJOR FLARES.

THE LAST 13 HOURS HAVE SEEN THE FOLLOWING EVENTS; X6, 1211Z;  
X3, 0923Z; M2, 0537Z; AND M2, 0745Z. THE NW REGION APPEARS  
TO HAVE STABILIZED ITS GROWTH BUT RETAINS ITS EXTREMELY  
COMPLEX STRUCTURE. THE N06E28 AND S09E03 REGIONS ARE MORE  
COMPLEX TODAY AND HAVE PRODUCED A FEW SMALL FLARES.

B. REFER TO FORECAST 812A.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 16 NOV/1700Z ENDING 19 NOV/1700Z.

CLASS M OR GREATER 99/99/99

CLASS X 75/65/50

PROTON EVENTS 20/20/20

D. OTTAWA 10.7CM FLUX FOR 16/1400Z AS 228. PREDICTED  
10.7CM FLUX FOR 17-19 NOV IS 230/220/210.

E. MAGNETIC A-FREDERICKSBURG FOR 15 NOV WAS 05. FOR 16 NOV  
ABOUT 04. PREDICTED AP FOR 17-19 NOV IS 16/20/15.

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