

NNNN

KMSC

HAUS BOU 060400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 588A ISSUED 0400Z 06 APRIL 1970

CLASS C ACTIVITY IS EXPECTED AND CLASS M ACTIVITY IS PROBABLE  
DURING THE NEXT 13 HOURS.

A. A SUB BRIGHT FLARE AT 05/1743Z FROM REGION S28E30 WAS CLASS M  
FLARE. CLASS M ACTIVITY WAS ALSO RECORDED 05/1225Z AND 05/1329Z.  
SOLAR ACTIVITY HAS BEEN RATHER LOW WITH ONLY THE THREE ENERGETIC  
FLARES AND A FEW CLASS C FLARES BEING OBSERVED. THE REGIONS ON THE  
DISK ARE ALL SIMPLE IN MAGNETIC CONFIGURATION AND NONE HAVE SHOWN  
RAPID GROWTH OR DEVELOPMENT DURING THE PAST 11 HOURS. THE GEOMAG-  
NETIC FIELD IS QUIET.

B. AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED DURING THE NEXT 13  
HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 06 APRIL/0400Z ENDING 09 APRIL/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES 05/1700Z AND 2000Z WERE 184 AND 180  
RESPECTIVELY.

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HAUS BOU 061732Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 588B ISSUED 1700Z 06 APRIL 1970

CLASS-M ACTIVITY IS ANTICIPATED DURING THE NEXT 11 HOURS.

A. THE REGION AT S11E34 HAS BEEN THE SITE OF MAJOR ACTIVITY DURING THE LAST 13 HOURS. A ONE-NORMAL CLASS-M FLARE OCCURRED AT 06/1142Z FROM S09E34; THIS FLARE WAS FOLLOWED BY A TWO-BRIGHT CLASS-M FLARE AT 06/1232Z IN THE SAME REGION. THE LATTER FLARE HAD SEGMENTS BORDERING THE UMBRA OF THE LARGE LEADER FROM THE NORTHWEST, BORDERING THE LARGE TRAILER FROM THE SOUTHWEST, AND RUNNING ALONG THE FILAMENT BETWEEN THESE SPOTS. THE REGION AT S11E33 SHTWS STRONG VORTICAL STRUCTURE AROUND THE LEADER SPOT, APPARENTLY HAS TWO NEUTRAL LINES, AND APPEARS COMPLEX AND UNSTABLE. THIS REGION IS 20 PERCENT ENHANCED AT 8.6MM. RAPID SPOT GROWTH HAS OCCURRED AT N17E03; THIS REGION SHOULD BE WATCHED CLOSELY FOR INCREASED DEVELOPMENT. THE GEOMAGNETIC FIELD HAS BEEN SOMEWHAT DISTURBED. A NOISE STORM IS IN PROGRESS AT METER WAVELENGTH.

B. IT APPEARS LIKELY THAT THE REGION AT S11E33 IS CAPABLE OF PRODUCING MAJOR ACTIVITY DURING THE NEXT 24 HOURS. THE REGIONS AT N11E32, N28E19, S12E03, AND S11W08 ARE ALL CAPABLE OF MODERATE ACTIVITY; SHOULD ADDITIONAL DEVELOPMENT OCCUR, THE NEW REGION AT N17W03 COULD ALSO PRODUCE SIGNIFICANT FLARE ACTIVITY. CLASS-M FLARES ARE EXPECTED FROM THE S11E33 REGION, AND CLASS-M ACTIVITY IS POSSIBLE FROM ONE OR MORE OF THE OTHER ACTIVE REGIONS ON THE DISK. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SLIGHTLY DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06 APRIL/1700Z ENDING 09 APRIL/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 30/30/30

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 196. (POSSIBLY FLARE-ENHANCED) PREDICTED 190/192/195.

E. MAGNETIC A-FREDERICKSBURG FOR 05 APRIL WAS 08. FOR 06 APRIL ABOUT 20 PREDICTED AP FOR 07-09 APRIL, 12/10/10.

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