

HAUS BOU 310400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 796A ISSUED 0400Z 31 OCTOBER 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE
DURING THE NEXT 13 HOURS.

A. CLASS C SUBFLARES WERE OBSERVED FROM THE REGIONS N14W35,
S10E25 AND N18W19. ONE CLASS M1 30/1435Z A SN FLARE FROM REGION
N14W35 WAS OBSERVED. THE REGIONS THAT HAVE BEEN PRODUCING THE
MAJOR PORTIONS OF FLARES ARE ALL STABLE AND ARE NOT GROWING
OR CHANGING VERY MUCH. THE GEOMAGNETIC FIELD IS QUIET.

B. THE REGIONS N14W35, S10E25 AND N18W19 WILL CONTINUE TO
PRODUCE NUMEROUS CLASS C FLARE, AN OCCASIONAL SMALL CLASS M
FLARE IS ALSO PROBABLE. THE GEOMAGNETIC FIELD WILL HAVE PERIODS
OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 31 OCT/0400Z ENDING 03 NOV/0400Z.

CLASS M OR GREATER 80/80/80

CLASS X 20/20/20

PROTON EVENTS 15/15/15

D. OTTAWA 10.7 CM FLUXES FOR 30/1700Z AND 30/2000Z WERE 178 AND
174 RESPECTIVELY.

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HAUS BOU 311720

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 796B ISSUED 1700Z 31 OCT 1970

THRESHOLD-LEVEL M FLARES SHOULD REPRESENT A REALISTIC UPPER
LIMIT ON ACTIVITY THESE NEXT 11 HOURS.

A. NO ENERGETIC FLARES HAVE BEEN REPORTED TODAY. (CURRENT
ACTIVITY ACROSS THE DISK IS APPROXIMATING ONE OR TWO SUBFLARES
PER HOUR). THE TRIO OF REGIONS IN THE NW QUADRANT CONTINUES TO
DECLINE IN BOTH H-ALPHA AND WHITE LIGHT. ALONG THE LIMBS
AN ACTIVE PROMINENCE IS VISIBLE BETWEEN SE 10 AND 16 DEGREES.
QUIET GEOMAGNETIC CONDITIONS PREVAIL.

B. IN TERMS OF SMALL M FLARE PRODUCTION THE MOST PROMISING
PLAGES ON THE DISK ARE LOCATED NEAR N14W43 AND S10E20. THE
PREDICTED GEOMAGNETIC DISTURBANCE FOR 30 OCT NEVER MATERIALIZED
AND, AS INDICATED BELOW IN THE PROJECTED A SUB P VALUES, IS NOT
EXPECTED AT A LATER DATE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 31 OCT/1700Z ENDING 03 NOV/1700Z.

CLASS M OR GREATER 80/80/75

CLASS X 20/20/15

PROTON EVENTS 15/15/10

D. OTTAWA 10.7 CM FLUX FOR 31/1400Z WAS 172. PREDICTED
10.7 CM FLUX FOR 01-03 NOV IS 167/160/158.

E. MAGNETIC A-FREDERICKSBURG FOR 30 OCT WAS 08. FOR 31 OCT
ABOUT 06. PREDICTED AP FOR 01-03 NOV, 05/03/02.

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