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HAUS BOU 030400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 034A ISSUED 0400Z 03 FEBRUARY 1971

OCCASIONAL CLASS C FLARES AND ONE OR TWO CLASS M FLARES ARE ANTICIPATED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 11 HOURS HAS CONSISTED ENTIRELY OF CLASS C FLARES. THE MOST SIGNIFICANT OF THESE FLARES WAS A ONE-NORMAL, RELATIVELY NON-ENERGETIC EVENT AT 02/2237Z FROM THE DECAYING REGION AT S11W49. ACCORDING TO THE MOUNT WILSON OBSERVATORY, STRONG MAGNETIC FIELD GRADIENTS AND A POSSIBLE DELTA CONFIGURATION ARE PRESENT IN THE F/610 REGION AT N08W13. ARCH FILAMENTS AND BRIGHTNESS FLUCTUATIONS IN THE PLAGE OF THE N08W13 REGION INDICATE THAT NEW MAGNETIC FIELDS MAY BE EMERGING AT THAT SITE. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 11 HOURS.

B. OCCASIONAL CLASS C FLARES AND SPORADIC CLASS M FLARES ARE EXPECTED TO BE PRODUCED DURING THE NEXT 72 HOURS. MAJOR ACTIVITY IS NOT LIKELY UNLESS ADDITIONAL DEVELOPMENT OCCURS IN THE REGION AT N08W13. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET DURING THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 FEB/0400Z ENDING 06 FEB/0400Z

CLASS M OR GREATER 75/80/80

CLASS X 05/10/10

PROTON EVENTS 05/08/10

D. OTTAWA 10.7 CM FLUXES FOR 02/1700Z AND 02/2000Z WERE 165 AND 167 RESPECTIVELY.

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HAUS BOU 031700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 34B ISSUED 1700Z 03 FEB 1971

CLASS M FLARE EXPECTED WITHIN NEXT 12 HOURS.

A. A SMALL CLASS M(1N) FLARE OCCURRED AT 03/0526Z NEAR S13W48.  
THIS REGION THE REGION NEAR N08W18, AND A GROWING REGION NEAR  
S20E20 ARE PRODUCING SMALL NOW ENERGETIC FLARES. THE GEOMAGNETIC  
FIELD IS QUIET.

B. CLASS M FLARES SHOULD CONTINUE ON A ONE PER DAY BASIS FROM  
THE NW AND SW REGIONS. THE NW REGION CONTINUES THE MOST INTERESTING  
AND THE REGION MOST LIKELY TO BE ACTIVE DURING THE NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 03 FEB/1700Z ENDING 06 FEB/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 08/10/12

PROTON EVENTS 08/10/10

D. OTTAWA 10.7 CM FLUX FOR 03/1400Z WAS 160.2. PREDICTED 10.7 CM  
FLUX FOR 04-06 FEB IS 166/167/168.

E. MAGNETIC A-FREDERICKSBURG FOR 02 FEB WAS 02. FOR 03 FEB ABOUT 05  
PREDICTED AP FOR 04-06 FEB, 08/08/08.

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