

KBOU

HAUS BOU 280400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 118A ISSUED 0400Z 28 APRIL 1971

INFREQUENT CLASS C FLARES REPRESENT THE ONLY KIND OF ACTIVITY  
ANTICIPATED DURING THE NEXT 13 HOURS.

A. SUBFLARES, PRIMARILY THIN THE GROWING D-TYPE GROUP  
AT NO8E08, HAVE BEEN THE RULE SINCE THE LAST MESSAGE. THIS  
NORTH CENTRAL REGION IS BY FAR THE MOST COMPLEX FEATURE VISIBLE  
ON A NEARLY FEATURELESS DISK. BOTH LIMBS ARE QUIET AS WELL. AT  
PRESENT LOCAL K-INDICES ARE RUNNING BETWEEN ONE AND TWO.

B. THE MOST PROMISING REGION IN TERMS OF POTENTIAL M-FLARE  
ACTIVITY IS THE DEVELOPING MIXED POLARITY GROUP CENTERED NEAR  
NO8E08. ANOTHER 24 HOURS OF OBSERVATION SHOULD DETERMINE WHETHER  
OR NOT THIS DISK FEATURE WILL BE THE SOURCE OF FREQUENT ENERGETIC  
FLARES. MAGNETICALLY A "RECURRENT" DISTURBANCE IS DUE TO BEGIN  
ON 30 APRIL. THE MOST DISTURBED DAY SHOULD BE THE ~~X~~1ST. AN  
UPPER LIMIT OF 20 FOR THE FREDERICKSBURG A-INDEX IS BEING PRO-  
JECTED AS THE EARTH SAMPLES THE SECOND DAY OF THIS INTERPLANETARY  
STRUCTURE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 28 APR/0400Z ENDING 01 MAY/0400Z.

CLASS M OR GREATER 30/25/20

CLASS X 01/01/01

PROTON EVENTS 01/05/05

D. OTTAWA 10.7 CM FLUXES FOR 27/1700Z AND 27/2000Z WERE BOTH 100.  
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HAUS BOU 281700

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO  
SDF NUMBER 118B ISSUED 1700Z 28 APRIL 1971

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS LOW CONSISTING OF CLASS C FLARES  
FROM THE N08W10 AND S09W25 REGIONS. SIMPLIFICATION HAS  
OCCURRED IN THE NW WITH THE LOSS OF SOME OPPOSITE POLARITY  
SPOTS NEAR THE LEADER. THE SW REGION WITH CLASS AREA OF C/15  
APPEARS TO BE THE MOST ACTIVE CENTER IN H-ALPHA AT THIS TIME.  
REMAINING GROUPS ARE QUIET. THE GEOMAGNETIC FIELD IS BECOMING  
INCREASINGLY MORE DISTURBED, A K INDEX OF AT LEAST 4 IS  
PROJECTED FOR THE 28/1500-1800Z PERIOD.

B. ONLY SCATTERED CLASS C FLARES ARE EXPECTED DURING THE NEXT  
THREE DAYS. ONLY ONE OR TWO SMALL REGIONS ARE EXPECTED TO RETURN  
DURING THIS PERIOD. IT APPEARS THAT THE RECURRENT GEOMAGNETIC  
ACTIVITY IS COMING EARLIER THAN EXPECTED, THE MAG ACTIVITY FORECAST  
IS BEING PUSHED UP APPROXIMATELY 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 28 APR/1700Z ENDING 1 MAY/1700Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 28/1400Z WAS 100. PREDICTED 10.7 CM  
FLUX FOR 29 APR-1 MAY IS 99/98/97.

E. MAGNETIC A-FREDERICKSBURG FOR 27 APR WAS 03. FOR 29 APR  
ABOUT 13 PREDICTED AP FOR 29 APR-1 MAY 12/18/10.

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