

KMSC

HAUS BOU 220400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 848A ISSUED 0400Z 22 DECEMBER 1970

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. THE DISK HAS REMAINED REASONABLY QUIET DURING THE PAST 11 HOURS. A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED FROM NUMEROUS SOURCES. THE REGION N23W36 IS THE MOST INTERESTING DISK FEATURE AND IT DOES CONTAIN MIXED POLARITIES. THE OTHER DISK FEATURES ARE STABLE AND QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT PRESENT LOW LEVEL. SEVERAL NEW SPOT GROUPS HAVE DEVELOPED BUT DO NOT APPEAR CAPABLE OF MAJOR ACTIVITY. THE GEOMAGNETIC FIELD WILL REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 22 DEC/0400Z ENDING 25 DEC/0400Z

CLASS M OR GREATER 45/40/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 21/1700Z AND 21/2000Z WERE 153 AND 152 RESPECTIVELY.

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HAUS BOU 221700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 848B ISSUED 1700Z 22 DECEMBER 1970

OCCASIONAL CLASS-C FLARES AND ONE OR TWO SMALL CLASS  
M FLARES ARE ANTICIPATED DURING THE NEXT 11 HOURS.

A. TWO ENERGETIC FLARES HAVE OCCURRED IN THE REGION AT  
N24W42 DURING THE PAST 13 HOURS; A CLASS-M6, ONE BRILLIANT  
FLARE WAS OBSERVED AT 22/1245Z, AND A CLASS-X1 ONE  
BRILLIANT FLARE WAS PRODUCED AT 22/1516Z. THE LATTER  
FLARE WAS ACCOMPANIED BY MODERATE IONOSPHERIC DISTURBANCES  
AND A RADIO BURST OF ABOUT 120 FLUX UNITS AT 2700 MHZ.  
A DECREASE IN PENUMBRA AREA HAS OCCURRED IN THE N24W42  
REGION, WHILE SOME PENUMBRA DEVELOPMENT HAS BEEN NOTED  
IN THE REGIONS AT N18E36 AND AT S10E24. ALL OTHER REGIONS  
ON THE DISK ARE DECLINING. THE GEOMAGNETIC FIELD HAS  
BEEN RELATIVELY QUIET DURING THE PAST 24 HOURS.

B. OCCASIONAL CLASS-C FLARES AND INFREQUENT CLASS-M FLARES  
ARE EXPECTED DURING THE THREE-DAY FORECAST PERIOD. THERE  
IS A SLIGHT CHANCE THAT A MINOR PROTON EVENT MAY BE  
DETECTED AT SATELLITE ALTITUDES AS A RESULT OF THE 22/1516Z  
FLARE. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN QUIET  
UNTIL ABOUT 25/0000Z, WHERE A DISTURBANCE IS EXPECTED TO  
BE PRODUCED BY A PASSING INTERPLANETARY SECTOR BOUNDARY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE  
24 HOUR PERIODS BEGINNING 22 DEC/1700Z ENDING 25 DEC/1700Z.

CLASS M OR GREATER 60/55/50

CLASS X 05/05/02

PROTON EVENTS 05/02/01

D. OTTAWA 10.7CM FLUX FOR 22/1400Z WAS 145. PREDICTED  
10.7CM FLUX FOR 23-25 DEC IS 143/139/135.

E. MAGNETIC A-FREDERICKSBURG FOR 21 DEC WAS 02. FOR 22  
DEC ABOUT 06. PREDICTED AP FOR 23-25 DEC IS 04/03/15.

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