

KMSC

HAUS BOU 280400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 854A ISSUED 0400Z 28 DECEMBER 1970

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

A. SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL DURING THE PAST 11 HOURS. TWO NEW REGIONS HAVE APPEARED ON THE EAST LIMB, ONE AT N23 WHICH DOES HAVE SPOTS, AND PLAGE HAS APPEARED AT S12. BOTH OF THESE REGIONS WERE PRECEDED BY SMALL BSL ACTIVITY. THE REGIONS ARE ALL QUIET. THE PROTON FLUX LEVELS ON ATS-1 CONTINUE ABOUT THE SAME AS MENTIONED IN SDF 853B. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL AND THE GEOMAGNETIC FIELD SHOULD REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 DEC/0400Z ENDING 31 DEC/0400Z

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 27/1700Z AND 27/2000Z WERE BOTH 124.

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KMSC

HAUS BOU 281700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 854B ISSUED 1700Z 28 DECEMBER 1970

ONLY RELATIVELY NON-ENERGETIC, INFREQUENT SOLAR FLARES
ARE LIKELY DURING THE NEXT 11 HOURS.

A. UNUSUALLY QUIET SOLAR CONDITIONS HAVE PERSISTED DURING
THE PAST 13 HOURS; ONLY A FEW CLASS-C EVENTS HAVE BEEN
REPORTED. THE REGION AT N12E10 HAS DEVELOPED A SIMPLE D-
TYPE SPOT GROUP, AND A NEW BIPOLAR CENTER HAS APPEARED AT
N12W11; ALL REGIONS, HOWEVER, ARE UNIMPRESSIVE AND LACK
DYNAMIC FEATURES. THE GEOMAGNETIC FIELD HAS REMAINED
RELATIVELY QUIET DURING THE PAST 24 HOURS. ATS-1 PROTON
COUNTING RATES REMAIN STEADILY ENHANCED TO APPROXIMATELY
10 PARTICLES/CM2/SEC AT 5-20 MEV AND 2 PARTICLES/CM2/SEC
AT 20-70 MEV.

B. EXCEPTIONALLY QUIET SOLAR CONDITIONS ARE EXPECTED TO
CONTINUE THROUGH THE THREE-DAY FORECAST PERIOD; ONLY A FEW
CLASS-C FLARES PER DAY ARE ANTICIPATED. THE GEOMAGNETIC
FIELD MAY BECOME UNSETTLED ON 30 DECEMBER AS A RESULT OF
THE PASSAGE OF AN INTERPLANETARY SECTOR BOUNDARY. A SLIGHT
ENHANCEMENT OF ENERGETIC PROTONS IS EXPECTED TO CONTINUE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 28 DEC/1700Z ENDING 31 DEC/1700Z.

CLASS M OR GREATER 25/25/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 28/1400Z WAS 119. PREDICTED 10.7
CM FLUX FOR 29-31 DEC IS 120/120/123.

E. MAGNETIC A-FREDERICKSBURG FOR 27 DEC WAS 07. FOR 28
DEC ABOUT 06. PREDICTED AP FOR 29-31 DEC IS 07/12/09.

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