

KMSC

HAUS BOU 290400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 855A ISSUED 0400Z 29 DECEMBER 1970

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

A. DURING THE PAST 24 HOURS ONLY A FEW CLASS C SUBFLARES HAVE BEEN OBSERVED. ACTIVITY ON THE LIMBS HAS ALSO BEEN VERY LOW. SEVERAL NEW SPOT GROUPS HAVE DEVELOPED BUT ONLY TWO HAVE SHOWN SUBSTANTIAL GROWTH, N11W16 AND S10W06. NEITHER REGION APPEARS CAPABLE OF MAJOR FLARE PRODUCTION AT THIS TIME. THE DISK REGIONS ARE ALL QUIET. THE GEOMAGNETIC FIELD IS QUIET. ATS-1 READOUTS CONTINUE AT LEVELS MENTIONED IN SDF 854B.

B. THE LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO CONTINUE. THE GEOMAGNETIC FIELD WILL REMAIN RELATIVELY QUIET WITH MINOR DISTURBANCE PROBABLE ON 30 DECEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 DEC/0400Z ENDING 01 JAN/0400Z

CLASS M OR GREATER 25/25/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 28/1700Z AND 28/2000Z WERE 121 AND 119 RESPECTIVELY.

SOLTERWARN

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KMSC

HAUS BOU 291700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 855B ISSUED 1700Z 29 DECEMBER 1970

NO SIGNIFICANT ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A MINIMUM THE PAST 24 HOURS. ONLY CLASS C SUBFLARES HAVE BEEN REPORTED. MINOR BRIGHTENINGS AND ARCH FILAMENT ACTIVITY ARE OCCURRING IN GROWING REGIONS NEAR N10W20 AND N10W02. BOTH SPOT GROUPS ARE NOW D-TYPE. OVERALL THE SOLAR DISK REMAINS UNIMPRESSIVE. NEAR EARTH PROTON FLUXES REMAIN ENHANCED. AS OF 29/1600Z ATS-1 WAS SHOWING 5 AND 1 PARTICLES PER SQ CM PER SEC IN THE 5-21 AND 21-70 MEV RANGES, RESPECTIVELY. THE GEOMAGNETIC FIELD HAS HAD BRIEF PERIODS OF MINOR DISTURBANCE.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL DURING THE NEXT 72 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED ON 30 DECEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 DEC/1700Z ENDING 01 JAN/1700Z.

CLASS M OR GREATER 20/20/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 29/1400Z WAS 126. PREDICTED 10.7 CM FLUX FOR 30 DEC-01 JAN IS 126/128/130.

E. MAGNETIC A-FREDERICKSBURG FOR 28 DEC WAS 09. FOR 29 DEC ABOUT 08. PREDICTED AP FOR 30 DEC-01 JAN IS 12/10/08.

SOLTERWARN

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