

NNNN

KMSC

HAUS BOU 200400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 846A ISSUED 0400Z 20 DECEMBER 1970

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. ONLY NON-ENERGETIC SUB-FLARES HAVE BEEN OBSERVED DURING THE PAST 24 HOURS. THE REGION N23W05 IS THE BRIGHTEST DISK FEATURE AND CONTAINS EMBEDDED ARCH FILAMENTS. THE OTHER REGIONS ON THE DISK ARE UNCHANGED AND QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL WITH CLASS C FLARES AND OCCASIONAL CLASS M FLARES. THE MOST IMPRESSIVE REGION IS N23W05. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 DEC/0400Z ENDING 23 DEC/0400Z

CLASS M OR GREATER 60/60/60

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 19/1700Z AND 19/2000Z WERE BOTH 160.

SOLTERWARN

SPAN

BT

NNNN1718

NNNN

KMSC

HAUS BOU 201715

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 846B ISSUED 1700Z 20 DEC 1970

SCATTERED, NON-ENERGETIC SUBFLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. OVERALL DISK ACTIVITY REMAINS QUITE LOW WITH NO ENERGETIC EVENTS HAVING BEEN REPORTED SINCE THE EARLIER MESSAGE TODAY. ABOUT 9 SPOT GROUPS ARE VISIBLE. OF THESE THE RECENTLY FORMED FEATURE NEAR N24W15 POSSESSES A SMALL, MODERATELY BRIGHT PLAGE, AN ACTIVE FILAMENT TO THE NE, AND ARCH FILAMENT STRUCTURES WITHIN ITS BORDERS, MAKING IT THE MOST IMPRESSIVE AND PROMISING GROUP OF THE LOT. CURRENT K-INDICES ARE NEAR QUIET-DAY VALUES.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 DEC/1700Z ENDING 23 DEC/1700Z.

CLASS M OR GREATER 60/60/50

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 20/1400Z WAS 183. (FLUX VALUE LIKELY IN ERROR) PREDICTED 10.7 CM FLUX FOR 21-23 DEC IS 164/165/160.

E. MAGNETIC A-FREDERICKSBURG FOR 19 DEC WAS 07. FOR 20 DEC ABOUT 07 PREDICTED AP FOR 21-23 DEC, 06/05/03.

SOLTERWARN

SPAN

BT