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KMSC

HAUS BOU 230400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 023A ISSUED 0400Z 23 JANUARY 1971

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. DURING THE PAST 11 HOURS SOLAR ACTIVITY HAS CONTINUED AT A MODERATE LEVEL. ONE CLASS M1 FLARE WAS OBSERVED AT 22/1919Z IN REGION N10E13. THE REGION N19W23 IS CLASSIFIED BY MT. WILSON AS A BETA GAMMA AND CONTAINS TWO DELTA CONFIGURATIONS IN ITS CENTRAL PORTION. REGION N19W13 IS SHOWING SOME GROWTH. THE REGION S12E08 IS BREAKING UP AND IS NOW FOUR SEPARATE SPOTS. THE OTHER DISK REGIONS ARE QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS C FLARES WILL CONTINUE AND AN OCCASIONAL CLASS M FLARE IS PROBABLE FROM REGIONS N10E13 AND N19W13. ACTIVITY WILL CONTINUE FROM S12E08. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF DISTURBED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 JAN/0400Z ENDING 26 JAN/0400Z

CLASS M OR GREATER 90/90/90

CLASS X 25/25/25

PROTON EVENTS 25/25/25

D. OTTAWA 10.7 CM FLUXES FOR 22/1700Z AND 22/2000Z WERE 186 AND 190 RESPECTIVELY.

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HAUS BOU 231734

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 23B ISSUED 1700Z 23 JAN 1971

CLASS M FLARES PROBABLE NEXT 11 HOURS.

A. CLASS M1 FLARE AT 23/0011Z HAS BEEN THE MOST ENERGETIC EVENT THE PAST 13 HOURS. THE N19W32 REGION HAS PRODUCED OCCASIONAL FLARES INCLUDING THE 23/0011Z EVENT. NO STRUCTURAL CHANGES ARE EVIDENT IN THE REGION. SOME STRUCTURAL DECLINE IS EVIDENT AT S12E00 WHERE MINOR ACTIVITY HAS BEEN FREQUENT. LIMB ACTIVITY AT SE 12 INDICATES A REGION ROTATING ONTO THE DISK.

B. THE N19W32 REGION IS EXPECTED TO CONTINUE TO PRODUCE SPORADIC CLASS M FLARES AND COULD PRODUCE A CLASS X EVENT IN THE NEXT 2 TO 4 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 JAN/1700Z ENDING 26 JAN/1700Z.

CLASS M OR GREATER 85/80/80

CLASS X 25/25/25

PROTON EVENTS 25/25/25

D. OTTAWA 10.7 CM FLUX FOR 23/1400Z WAS 187.3. PREDICTED 10.7 CM FLUX FOR 24-26 JAN IS 185/185/185.

E. MAGNETIC A-FREDERICKSBURG FOR 22 JAN WAS 08. FOR 23 JAN ABOUT 06 PREDICTED AP FOR 24-26 JAN, 08/10/12.

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