

KMSC

HAUS BOU 170400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 813A ISSUED 0400Z 17 NOVEMBER 1970

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

A. SOLAR ACTIVITY CONTINUES TO PRODUCE CLASS M & CLASS X FLARES.

MOST OF THE ACTIVITY HAS AGAIN BEEN OBSERVED FROM REGION N17W35,

M3 16/2151Z, M7 16/2203Z, X1 16/2219Z. ONE CLASS M1 EVENT WAS

OBSERVED FROM REGION N05E17, 16/1938Z. THE REGION N05E17 HAS SHOWN

GOOD GROWTH AND DEVELOPMENT DURING PAST 24 HOURS. OTHER REGIONS ARE

QUIET AND STABLE. THE GEOMAGNETIC FIELD HAS HAD PERIODS OF MINOR

DISTURBANCE.

B. FLARE ACTIVITY WILL CONTINUE FROM REGION N17W35, CLASS M AND

OCCASIONAL CLASS X. FLARE ACTIVITY WILL ALSO INCREASE FROM REGION

N05E17 IF PRESENT RATE OF GROWTH CONTINUES. THE GEOMAGNETIC

FIELD WILL HAVE PERIODS OF DISTURBED CONDITIONS AND SHOULD REACH

MINOR STORM PROPORTIONS BY 18 NOVEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR

PERIODS BEGINNING 17 NOV/0400Z ENDING 20 NOV/0400Z.

CLASS M OR GREATER 99/99/99

CLASS X 65/65/65

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUXES FOR 16/1700Z AND 16/2000Z WERE 198 AND

200 RESPECTIVELY.

SOLTERWARN

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NNNN1650

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KMSC

HAUS BOU 171700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 813B ISSUED 1700Z 17 NOVEMBER 1970

A CLASS X FLARE EXPECTED IN THE NEXT 11 HOURS.

A. THE N16W43 REGION CONTINUES TO DOMINATE SOLAR ACTIVITY. IT HAS PRODUCED A CLASS X5 FLARE BEGINNING AT 17/0730Z WHICH CAUSED IMPORTANCE 3 SIDS. IN ADDITION IT HAS PRODUCED FOUR CLASS M EVENTS SINCE 0124Z. THE REGION IS SIMPLIFYING IN THAT THE LARGER SPOTS ARE TAKING ON A MORE SYMMETRIC SHAPE WITH THE DISAPPEARANCE OF INTERMEDIATE SPOTS. A CLASS M2 FLARE OCCURRED AT 17/0234Z FROM S11W01. SLIGHT DEVELOPMENT HAS BEEN NOTED IN THE UNSTABLE N05E13 REGION.

B. SOLAR ACTIVITY IS EXPECTED TO CONSIST OF MORE CLASS M AND X FLARES. WITH PERHAPS A PRODUCTION RATE OF ONE X EVENT A DAY. THE GEOMAGNETIC FIELD IS EXPECTED TO EXPERIENCE DISTURBED CONDITIONS IN THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 NOV/1700Z ENDING 20 NOV/1700Z.

CLASS M OR GREATER 99/99/99

CLASS X 65/60/50

PROTON EVENTS 20/20/20

D. OTTAWA 10.7CM FLUX FOR 17/1400Z WAS 194. PREDICTED 10.7CM FLUX FOR 18-20 NOV IS 200/195/190.

E. MAGNETIC A-FREDERICKSBURG FOR 16 NOV WAS 04. FOR 17 NOV ABOUT 10. PREDICTED AP FOR 18-20 NOV IS 19/15/15.

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