

NNNN0033

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KMSC

HAUS BOU 180030Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 600A ISSUED 0400Z 18 APRIL 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS

A. SOLAR ACTIVITY HAS BEEN RATHER LOW THE PAST 11 HOURS WITH ONLY A FEW CLASS C EVENTS BEING OBSERVED. THE TWO REGIONS IN THE NORTHWEST, N17W69 AND N12W26, ARE BOTH CAPABLE OF PRODUCING CLASS M FLARES. THEY HAVE SHOWN SOME GROWTH AND DEVELOPMENT DURING THE PAST 24 HOURS. OTHER REGIONS ON THE DISK HAVE BEEN QUIET. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED IN NORTHERN LATITUDES.

B. CLASS C FLARES WITH AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED FROM THE NW REGIONS. THE GEOMAGNETIC FIELD WILL REMAIN DISTURBED FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 APRIL/~~1700Z~~ ENDING 21 APRIL/1700Z.

CLASS M OR GREATER 70/70/70 ~~0400Z~~

CLASS X 20/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7CM FLUX 17/1700Z AND 2000Z WERE BOTH 147.

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HAUS BOU 181700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 600B ISSUED 1700Z 18 APRIL 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY IS AT A MODERATE LEVEL WITH THE MAJORITY OF THE ACTIVITY ORIGINATING IN THE REGION AT N17W77. AN IMPORTANCE 1B CLASS M FLARE WAS OBSERVED THERE AT 18/0622Z AND PRODUCED MINOR IONOSPHERIC EFFECTS. ANOTHER CLASS M EVENT /NO OPTICAL REPORTS/ OCCURRED AT 18/0417Z. THE N17W77 AND ALL OTHER REGIONS HAVE CHANGED LITTLE DURING THE LAST 24 HOURS. THE GEOMAGNETIC FIELD IS CURRENTLY DISTURBED.

B. CLASS M FLARES ARE EXPECTED FROM THE N17W77 REGION BEFORE WEST LIMB PASSAGE. ACTIVITY WILL DROP SHARPLY AFTER 19 APRIL. THE GEOMAGNETIC DISTURBANCE IS EXPECTED TO LAST 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18/1700Z ENDING 21/1700Z.

CLASS M OR GREATER 80/30/30

CLASS X 20/02/02

PROTON EVENTS 10/01/01

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 142. PREDICTED 132/130/128.

E. MAGNETIC A-FREDERICKSBURG FOR 17 APRIL WAS 16. FOR 18 APRIL ABOUT 15. PREDICTED AP FOR 19-21 APRIL, 15/10/06.

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