

NNNN0432

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KMSC

HAUS BOU 290425

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 794A ISSUED 0400Z 29 OCT 1970

CLASS M FLARES EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN MINOR SINCE THE CLASS X FLARE, 28/1248Z. SOME PROTON FLUX ENHANCEMENTS NEAR EARTH HAVE BEEN DETECTED BY SATELLITE BEGINNING 29/0100Z. MAGNETIC GRADIENTS APPEAR TO BE LESSENING SLIGHTLY IN THE N22E12 REGION, IN ADDITION SOME SPOT GROWTH HAS BEEN OBSERVED. AT N04W13 A NEW REGION HAS DEVELOPED INTO A C TYPE SPOT GROUP WITH BRIGHT PLAGE.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE WITH OCCASIONAL ENERGETIC EVENTS. THE NORTH CENTRAL COMPLEX OF REGIONS CONTINUES TO EVOLVE WITH SMALLER REGIONS NOW DEVELOPING AROUND THE LARGER ONES. IT IS LIKELY THAT THIS DYNAMIC SECTOR OF THE SUN WILL REMAIN ACTIVE.

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

CLASS M OR GREATER 95/95/90

CLASS X 25/25/20

PROTON EVENTS 25/25/20

D. OTTAWA 10.7 CM FLUXES FOR 28/1700Z AND 28/2000Z WERE 192 AND 191 RESPECTIVELY.

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HAUS BOU 291700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 794B ISSUED 1700Z 29 OCT 1970

CLASS M EVENTS ARE EXPECTED DURING THE NEXT 11 HOURS.

A. ONLY ONE CLASS M1 EVENT, A SUBFLARE NEAR N13E09 AT 29/0303Z, HAS BEEN REPORTED SINCE THE MAJOR EVENT AT 28/1248Z. SEVERAL CLASS C SUBFLARES HAVE BEEN OBSERVED, THE MAJORITY COMING FROM THE NEW AND GROWING REGION NEAR N04W21. THE STRONG DELTA CONFIGURATION IS APPARENTLY NO LONGER PRESENT IN THE N22E04 REGION, THE SITE OF YESTERDAYS MAJOR EVENT. THE 9.1 CM BRIGHTNESS TEMPERATURE OF THIS REGION HAS DECREASED BY A FACTOR OF TWO IN THE LAST 24 HOURS. OTHERWISE THIS REGION AND THOSE NEAR N18W01 AND N15W17 ARE BASICALLY UNCHANGED. MINOR ACTIVITY IS OCCURRING ON BOTH THE NORTHEAST AND SOUTHEAST LIMBS. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. OCCASIONAL ENERGETIC FLARES ARE STILL EXPECTED DURING THE NEXT 3 DAYS. ENHANCED PROTON FLUXES AT SATELLITE LEVEL ARE EXPECTED WITHIN 24 HOURS. GENERALLY DISTURBED GEOMAGNETIC CONDITIONS ARE EXPECTED FOR THE NEXT 4 DAYS.

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

CLASS M OR GREATER 95/95/90

CLASS X 25/25/20

PROTON EVENTS 25/25/20

D. OTTAWA 10.7 CM FLUX FOR 29/1400Z WAS 194. PREDICTED 10.7 CM FLUX FOR 30 OCT-01 NOV IS 190/186/182.

E. MAGNETIC A-FREDERICKSBURG FOR 28 OCT WAS 11. FOR 29 OCT ABOUT 12. PREDICTED AP FOR 30 OCT-01 NOV, 25/20/15.

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