

NNNNUU0359

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KMSC

HAUS BOU 290400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 733A ISSUED 0400Z 29 AUGUST 1970

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE.

A. SOLAR ACTIVITY DURING THE PAST 11 HOURS HAS BEEN LOW. SINCE THE LAST OF THE FOUR CLASS M EVENTS, WHICH WAS AT 28/1434Z, VERY LITTLE ACTIVITY HAS BEEN OBSERVED. THE REGION N21E69 WHICH HAS PRODUCED MOST OF THE ACTIVITY IS NOW QUIET AND IS LESS BRIGHT THAN BEFORE. THE NE LIMB IS SHOWING VERY SMALL BSL ACTIVITY. THE REGION S07E77 IS SHOWING RAPID GROWTH AND SPOT DEVELOPMENT. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED FROM REGION N21E69 AND S07E77. THE GEOMAGNETIC FIELD WILL BE DISTURBED FOR 18-24 HOURS AND SHOULD THEN BECOME QUIET.

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

CLASS M OR GREATER 80/80/80

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 28/1700Z AND 28/2000Z WERE 139 AND 142 RESPECTIVELY.

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HAUS BOU 291700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 733B ISSUED 1700Z 29 AUGUST 1970

CLASS-C FLARES ARE EXPECTED AND CLASS-M FLARES ARE NOT UNLIKELY DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 13 HOURS HAS CONSISTED MAINLY OF MINOR SUBFLARES FROM THE REGION AT N21E60 AND SURGES FROM THE REGION ON THE EAST LIMB NEAR N17E85. ONLY CLASS-C X-RAY EVENTS AND MINOR RADIO BURSTS HAVE BEEN REPORTED. THE REGION AT N21E60 PRESENTLY DOES NOT APPEAR AS ENERGETIC AS IT DID 24 HOURS AGO, AND DEVELOPMENT SEEMS TO HAVE SLOWED AT THAT SITE. THE REGION CENTERED NEAR N17E85 AND PRESENTLY COMPLETING EAST LIMB PASSAGE APPEARS TO CONTAIN SOME ENHANCED PLAGE BEHIND THE LARGE LEADER SPOT; THIS REGION IS BELIEVED TO BE THE SAME ONE THAT PRODUCED NUMEROUS ENERGETIC EVENTS DURING ITS PREVIOUS DISK PASSAGE. OTHER DISK REGIONS PRESENTLY DO NOT APPEAR CAPABLE OF PRODUCING SIGNIFICANT ACTIVITY. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A MODERATELY LOW LEVEL DURING THE FORECAST PERIOD. INFREQUENT CLASS-C AND CLASS-M EVENTS ARE EXPECTED AT THE N17E85 AND N21E60 SITES. THE GEOMAGNETIC FIELD IS EXPECTED TO BE RELATIVELY UNDISTURBED DURING THE NEXT 72 HOURS.

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

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUX FOR 29/1400Z WAS 146. PREDICTED 10.7CM FLUX FOR 30 AUG-01 SEP IS 152/156/158.

E. MAGNETIC A-FREDERICKSBURG FOR 28 AUG WAS 11. FOR 29 AUG ABOUT 11. PREDICTED AP FOR 30 AUG-01 SEP 06/05/05.

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