

HAUS BOU 270400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 731A ISSUED 0400Z 27 AUG 1970

CLASS C FLARES EXPECTED DURING THE NEXT 13 HOURS.

A. DEPRESSED SOLAR ACTIVITY CONTINUES WITH LITTLE CHANGE IN DISK FEATURES SINCE THE LAST FORECAST. A SMALL GEOMAGNETIC DISTURBANCE WAS OBSERVED ON THE D COMPONENT BETWEEN 0200Z AND 0300Z. THE K INDEX WAS THREE FOR THIS PERIOD AND THE FIELD HAS RETURNED TO QUIET CONDITIONS.

B. REFER TO FORECAST 730B FOR THE 3 DAY OUTLOOK.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 AUG/0400Z ENDING 30 AUG/0400Z.

CLASS M OR GREATER 30/40/60

CLASS X 01/05/10

PROTON EVENTS 01/01/02

D. OTTAWA 10.7 CM FLUXES FOR 26/1700Z AND 26/2000Z WERE 133 AND 134 RESPECTIVELY.

SOLIERWARN

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HAUS BOU 271700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 731B ISSUED 1700Z 27 AUGUST 1970

CLASS M FLARES ARE POSSIBLE DURING THE NEXT ELEVEN HOURS.

A. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. SPOTS AND A BRIGHT PLAGE ARE ROTATING ACROSS THE EAST LIMB NEAR N20. THIS IS A REGION WHICH DEVELOPED ON THE BACK SIDE OF THE SUN. THE REGION IS NOT YET COMPLETELY ON THE VISIBLE DISK, BUT AN INITIAL EVOLVATION INDICATES THAT IT IS PROBABLY IN AN EARLY STAGE OF DEVELOPMENT. THIS IS NOT THE PREVIOUSLY ACTIVE REGION DUE TO RETURN ON 28-29 AUGUST NEAR N18. THIS N20 EL REGION HAS BEEN THE MOST ACTIVE DISK FEATURE TODAY AND PRODUCED A SUB-BRIGHT FLARE AT 27/1408Z WHICH MAY HAVE BEEN SMALL CLASS M. AT 27/1440Z IMP ONE LOOPS FORMED RAPIDLY ON THE WEST LIMB NEAR N12 WHERE THE REGION WHICH PRODUCED THE EAST LIMB PROTON EVENT OF 12 AUG IS NOW COMPLETING WEST LIMB PASSAGE. THE D COMPONENT OF THE GEOMAGNETIC FIELD WAS DISTURBED TO SUBSTORM INTENSITY FROM 27/0100Z TO 27/0700Z.

B. CLASS M ACTIVITY IS POSSIBLE FROM THE NE LIMB REGION. CAUTION FOR ENERGETIC EVENTS ON THE NE LIMB ON 28-30 AUGUST. MINOR GEOMAGNETIC DISTURBANCES ARE EXPECTED TO RECUR DURING THE NEXT 48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 AUG/1700Z ENDING 30 AUG/1700Z.

CLASS M OR GREATER 40/50/60

CLASS X 02/05/10

PROTON EVENT S 01/01/02

D. OTTAWA 10.7 CM FLUX FOR 27/1400Z WAS 138. PREDICTED 10.7 CM FLUX FOR 28-30 AUG IS 142/147/152.

E. MAGNETIC A-FREDERICKSBURG FOR 26 AUG WAS 17, FOR 27 AUG ABOUT 11. PREDICTED AP FOR 28-30 AUG, 10/10/08.

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