

KMSC

HAUS BOU 310400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 735A ISSUED 0400Z 31 AUGUST 1970

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 11 HOURS. ONLY A FEW SUBFLARES HAVE BEEN OBSERVED. MOST OF THE ACTIVITY HAS COME FROM TWO REGIONS, N17E70 AND S22W61. N17E70 IS THE REGION TO WATCH AS IT IS THE LARGEST AND DOES CONTAIN A DELTA CONFIGURATION. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE. THE REGION N17E70 IS THE REGION WHICH HAS THE BEST POTENTIAL FOR FLARE PRODUCTION. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 AUG/0400Z ENDING 03 SEPT/0400Z

CLASS M OR GREATER 80/70/70

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 30/1700Z AND 30/2000Z WERE 146 AND 151 RESPECTIVELY.

SOLTERWARN

SPAN

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NNNNUU0400

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KMSC

HAUS BOU 311719Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 735B ISSUED 1700Z 31 AUG 1970

INFREQUENT CLASS M FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS SHOWN FURTHER DECLINE THE PAST 13 HOURS.

A SMALL CLASS M FLARE, SB LOCATION N08W55, WAS OBSERVED AT 30/1314Z. ONLY SMALL CHANGES HAVE BEEN NOTED IN THE N17E59 REGION; THE DELTA REMAINS AND THE PLAGE IS NORMAL. THE N20E30 REGION HAS SIMPLIFIED MAGNETICALLY TO A WEAK BETA-GAMMA. A SMALL SUDDEN COMMENCEMENT BEGAN AT 31/0334Z AND CURRENTLY THE GEOMAGNETIC FLUCTUATIONS ARE OF SUBSTORM PROPORTIONS.

B. THE NE REGIONS ARE EXHIBITING FAIRLY LONG DORMANT PERIODS BETWEEN FLARES AND ARE EXPECTED TO DECAY FURTHER ALONG WITH THE EMISSION OF INFREQUENT CLASS M FLARES AND MAYBE ONE CLASS X FLARE IN THE NEXT 72 HOURS. ON SEPT 1 TWO REGIONS ARE DUE TO RETURN AT N22 AND S09; SO FAR NO LIMB REPORTS INDICATE THAT THEY ARE ACTIVE. THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 AUG/1700Z ENDING 3 SEPT/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 31/1400Z WAS 151. PREDICTED 10.7 CM FLUX FOR 1-3 SEPT IS 160/162/164.

E. MAGNETIC A-FREDERICKSBURG FOR 30 AUG WAS 04. FOR 31 AUG ABOUT 16 PREDICTED AP FOR 1-3 SEPT, 15/12/6.

SOLTERWARN

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