

NNNN0359

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KMSC

HAUS BOU 310400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 857A ISSUED 0400Z 31 DEC 1970

CLASS-C FLARES AND PERHAPS ONE SMALL CLASS-M FLARE ARE ANTICIPATED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 11 HOURS; ALTHOUGH ONLY CLASS-C FLARES HAVE BEEN REPORTED, SEVERAL SMALL RADIO BURSTS AND SMALL FLARES HAVE OCCURRED AT THE DEVELOPING S13W41 REGION. ENHANCED PLAGE IN THE REGIONS AT N04E54 AND N14W12 SUGGESTS THAT SOME DEVELOPMENT MAY BE IN PROGRESS AT THOSE SITES ALSO. THE GEO-MAGNETIC FIELD HAS EXHIBITED UNSETTLED CONDITIONS DURING THE PAST 24 HOURS.

B. SOLAR ACTIVITY PROBABLY WILL CONTINUE TO INCREASE SLIGHTLY DURING THE NEXT THREE DAYS. OCCASIONAL CLASS-C FLARES AND TWO OR THREE SMALL CLASS-M FLARES ARE EXPECTED DURING THE FORECAST PERIOD. UNSETTLED GEO-MAGNETIC CONDITIONS PROBABLY WILL CONTINUE FOR AT LEAST 24 HOURS.

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

CLASS M OR GREATER 55/70/75

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 30/1700Z AND 30/2000Z WERE 138 AND 139 RESPECTIVELY.

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KMSC

HAUS BOU 311700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 857B ISSUED 1700Z 31 DEC 1970

ONLY MINOR FLARES EXPECTED DURING NEXT 12 HOURS.

A. ONLY THREE MINOR FLARES HAVE BEEN REPORTED SINCE 0400Z, AND OBSERVATORIES INDICATE THAT THE REGION NEAR S15W50 HAS BECOME MORE STABLE. ALL OTHER REGIONS ARE STABLE AND UNIMPRESSIVE. SO FAR NO INDICATIONS OF EAST LIMB ACTIVITY. THE MAGNETIC FIELD IS ONLY SLIGHTLY DISTURBED.

B. DESPITE THE CURRENT LULL IN FLARES, THE REGIONS IN THE WEST AT S15W50 AND N15W30 ARE POTENTIAL SOURCES OF CLASS M EVENTS, AND BOTH ARE EXPECTED TO PRODUCE ONE OR TWO M FLARES PRIOR TO WEST LIMB PASSAGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 DEC/1700Z ENDING 03 JAN/1700Z.

CLASS M OR GREATER 60/70/70

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 31/1700Z WAS 135. PREDICTED

10.7 CM FLUX FOR 01-03 JAN IS 137/140/143.

E. MAGNETIC A-FREDERICKSBURG FOR 30 DEC WAS 10. FOR 31 DEC ABOUT 06. PREDICTED AP FOR 01-03 JAN, 10/12/12.

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