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KMSC

HAUS BOU 170400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 843A ISSUED 0400Z 17 DEC 1970

SPORADIC CLASS-C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. ONLY A FEW CLASS-C SUBFLARES HAVE BEEN REPORTED DURING THE PAST 11 HOURS. SOME PENUMBRAL GROWTH HAS OCCURRED IN THE SOUTHERN PORTION OF THE LARGE SPOT IN THE N13E46 REGION, AND A WEAK MAGNETIC DELTA CONFIGURATION MAY EXIST AT THAT SITE. THE OTHER REGIONS ON THE VISIBLE DISK HAVE SHOWN RELATIVELY LITTLE DEVELOPMENT. THE GEOMAGNETIC FIELD HAS REMAINED UNUSUALLY QUIET DURING THE PAST 11 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, PREDOMINANTLY NON-ENERGETIC FLARE ACTIVITY IS ANTICIPATED. ONE OR TWO SMALL CLASS-M FLARES MAY BE PRODUCED BY THE N13E46 REGION. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET DURING THE NEXT 13 HOURS, BUT SOME MINOR DISTURBANCE IS LIKELY AFTER ABOUT 18/0000Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 DEC/0400Z ENDING 20 DEC/0400Z.

CLASS M OR GREATER 40/40/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 16/1700Z AND 16/2000Z WERE 152 AND 154 RESPECTIVELY.

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HAUS BOU 171700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 843B ISSUED 1700Z 17 DEC 1970

INFREQUENT MINOR ACTIVITY IS EXPECTED DURING THE NEXT 11 HOURS.

A. BOTH SOLAR ACTIVITY AND GEOMAGNETIC ACTIVITY HAVE REMAINED AT VERY LOW LEVELS DURING THE PAST 24 HOURS. SLOW UMBRAL AND PENUMBRA DEVELOPMENT CONTINUES IN THE REGION NEAR N13E40. NEW SPOT GROUPS, CURRENTLY A-TYPE, ARE DEVELOPING NEAR S07E54, S13E37, AND S09E12. OVERALL THE SUN IS UNIMPRESSIVE.

B. A LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO CONTINUE FOR THE NEXT 72 HOURS. THE N13E40 REGION MAY PRODUCE INFREQUENT SMALL CLASS M EVENTS. AN INCREASE IN GEOMAGNETIC ACTIVITY IS EXPECTED ON 18 DECEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 DEC/1700Z ENDING 20 DEC/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 17/1400Z WAS 153. PREDICTED 10.7 CM FLUX FOR 18-20 DEC IS 151/148/145.

E. MAGNETIC A-FREDERICKSBURG FOR 16 DEC WAS 01. FOR 17 DEC ABOUT 04. PREDICTED AP FOR 18-20 DEC, 12/08/12.

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