

NNNN1733

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KMSC

HAUS BOU 071730

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 007B ISSUED 1700Z 7 JAN 1971

ONE SMALL CLASS M FLARE EXPECTED DURING THE NEXT 11 HOURS.

A. THE S06E35 REGION HAS CONTINUED TO DEVELOPE SLOWLY IN WHITE LIGHT AND H ALPHA PLAGE IS COVERING A LARGER AREA. SEVERAL ABSORPTION FEATURES HAVE APPEARED IN THE CENTRAL PORTIONS AND OVERALL COMPLEXITY HAS INCREASED. THE OTHER THREE REGIONS ON THE DISK ARE SMALL AND STABLE.

B. AN INCREASE IN FLARE ACTIVITY IS LOOKED FOR FROM THE SE REGION AT A RATE OF 3 TO 6 FLARES PER DAY INCLUDING ONE OR TWO CLASS M FLARES. IN APPROXIMATELY 36 HOURS A COMPLEX OF REGIONS WILL BEGIN RETURNING TO THE NE LIMB. THESE REGIONS WERE DECAYING WHEN LAST SEEN AND PRODUCED THREE CLASS M FLARES ON THEIR LAST DISK TRANSIT. ONLY MINOR ACTIVITY IS EXPECTED FROM THIS SOURCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 7 JAN/1700Z ENDING 10 JAN/1700Z.

CLASS M OR GREATER 50/55/60

CLASS X 02/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 07/1400Z WAS 156. PREDICTED 10.7 CM FLUX FOR 9-10 JAN IS 158/160/162.

E. MAGNETIC A-FREDERICKSBURG FOR 6 JAN WAS 03. FOR 7 JAN ABOUT 04 PREDICTED AP FOR 8-10 JAN, 06/06/06.

SOLTERWARN

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NNNN0416

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KMSC

KAUS BOU 070415

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 007A ISSUED 0400Z 07 JAN 19701

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

A. SOLAR ACTIVITY HAS REMAINED AT A GENERALLY LOW LEVEL DURING THE PAST 11 HOURS. A LARGE SUB-NORMAL CLASS-M1 FLARE OCCURRED IN THE E/810 REGION AT S06E42 AT 07/0320Z; THIS SOUTHEAST REGION HAS SHOWN LITTLE DEVELOPMENT EXCEPT FOR AN APPARENT STRENGTHENING OF THE UMBRAE IN THE BOTTOM OF THE INTERMEDIATE PENUMBRA AND IN THE TOP OF THE TRAILING PENUMBRA. THE OTHER REGIONS ARE UNIMPRESSIVE. RELATIVELY QUIET GEOMAGNETIC CONDITIONS HAVE PREVAILED DURING THE PAST 24 HOURS.

B. A GENERALLY LOW LEVEL OF SOLAR ACTIVITY IS ANTICIPATED DURING THE NEXT THREE DAYS, BUT SPORADIC, INCREASINGLY FREQUENT EVENTS ARE EXPECTED TO OCCUR AT THE S06E42 REGION. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 JAN/0400Z ENDING 10 JAN/0400Z.

CLASS M OR GREATER 50/60/65

CLASS X 02/02/05

PROTON EVENTS 01/02/02

D. OTTAWA 10.7 CM FLUXES FOR 06/1700Z AND 06/2000Z WERE BOTH 152.

SOLTERWARN

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