

KMSC

HAUS BOU 060400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 771A ISSUED 0400Z 06 OCTOBER 1970

CLASS-C FLARES ARE EXPECTED AND A CLASS-M FLARE IS NOT UNLIKELY DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED RELATIVELY LOW DURING THE PAST 11 HOURS. ONLY ONE ENERGETIC EVENT, A ONE-BRILLIANT CLASS-M2 FLARE FROM THE S09E12 REGION, HAS BEEN REPORTED; THE FLARE BEGAN AT 06/0017Z, APPARENTLY EXHIBITED AT LEAST TWO MAXIMA BETWEEN 0029Z AND 0050Z, AND DECAYED VERY SLOWLY. SMALL, LONG-LASTING RADIO BURSTS WERE ASSOCIATED WITH THE FLARE, ALONG WITH A MINOR SPA AND SWF. THE S09E12 SPOT GROUP IS CLASSIFIED AS A BETA-GAMMA TYPE BY THE MT. WILSON OBSERVATORY AND POSSESSES THE GREATEST FLARE POTENTIAL OF THE PRESENT DISK REGIONS, BUT THE REGIONS AT N18E74 AND N18W49 ALSO APPEAR CAPABLE OF PRODUCING SPORADIC ENERGETIC ACTIVITY. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 24 HOURS.

B. OCCASIONAL CLASS-C FLARES AND ABOUT ONE SMALL CLASS-M FLARE PER DAY ARE ANTICIPATED DURING THE THREE-DAY FORECAST PERIOD. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06 OCT/0400Z ENDING 09 OCT/0400Z

CLASS M OR GREATER 50/65/65

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 05/1700Z AND 05/2000Z WERE 134 AND 133 RESPECTIVELY.

SOLTERWARN

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NNNN1700

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KMSC

HAUS BOU 061700

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 771B ISSUED 1700Z 06 OCT 1970

INFREQUENT CLASS M FLARES EXPECTED IN THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL. THE N18E66 REGION IS AN OPEN BIPOLAR WITH D TYPE SPOTS. IN THE S09E03 REGION THE TRAILER SPOTS HAVE BROKEN UP WHILE THE LEADER HAS BECOME MORE SYMETRIC. TWO NEW ABSORPTION FEATURES HAVE APPEARED IN THE TRAILING PORTION OF THE REGION. THE N17W59 REGION RETAINS ITS MAGNETIC CONFIGURATION OF LEADING POLARITY SPOTS SURROUNDED BY FOLLOWING POLARITY SPOTS. THERE SEEKS TO BE A TREND HERE TOWARDS A REVERSED POLARITY BIPOLAR CONFIGURATION. THE GEOMAGNETIC FIELD IS QUIET.

B. THE REGIONS EXPECTED TO PRODUCE OCCASIONAL SMALL M FLARES ARE N18W59 AND S12E03. THE THREE DAY OUTLOOK IS EXPECTED TO SHOW FURTHER DECLINE IN THESE REGIONS. THE GEOMAGNETIC FIELD IS QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06 OCT/1700Z ENDING 09 OCT/1700Z.

CLASS M OR GREATER 50/40/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 06/1400Z WAS 129. PREDICTED 10.7CM FLUX FOR 07-09 OCT IS 129/128/127.

E. MAGNETIC A-FREDERICKSBURG FOR 05 OCT WAS 08. FOR 06 OCT ABOUT 05. PREDICTED AP FOR 07-09 OCT IS 05/05/05.

SOLTERWARN

SPAN

BT