

NNNN0357

NNNN

KMSC

HAUS BOU 250400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 790A ISSUED 0400Z 25 OCTOBER 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT A HIGHER LEVEL DURING THE PAST 11 HOURS. ONLY ONE CLASS M1 HAS BEEN OBSERVED DURING THE PAST 24 HOURS, A ONE NORMAL FLARE 24/0518Z IN REGION N16E75. THE TWO REGIONS N15E45 AND N19E60 CONTINUE TO SHOW GROWTH AND DEVELOPMENT AND ARE THE MOST INTERESTING DISK FEATURES. OTHER REGIONS ARE ALL QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES ON THE AVERAGE OF ONE OR TWO EACH DAY CAN BE EXPECTED FROM REGIONS N15E45 AND N19E60. THE GEOMAGNETIC FIELD WILL BE RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 OCT/0400Z ENDING 28 OCT/0400Z

CLASS M OR GREATER 70/80/80

CLASS X 05/10/10

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 24/1700Z AND 24/2000Z WERE 164 AND 161 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNN1740

NNNN1740

NNNN

KMSC

HAUS BOU 251735

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 790B ISSUED 1700Z 25 OCT 1970

OCCASIONAL CLASS M FLARES EXPECTED IN THE NEXT 11 HOURS.

A. A CLASS M3, SB, FLARE OCCURRED AT 24/1941Z LOCATION N17E68 AND A CLASS M5, SN, FLARE OCCURRED AT 25/1052Z LOCATION N18E61. ALSO THREE CLASS M1 FLARES HAVE OCCURRED SINCE THE 24/1941Z SB FLARE. SOLAR ACTIVITY HAS DROPPED IN FLARE NUMBER AND IS ALMOST TOTALLY FROM THE TRAILER PORTION OF THE N19E52 REGION. THE NE COMPLEX OF REGIONS INCLUDES COMPONENTS AT N15E37 AND N25E58. ALL THREE REGIONS HAVE EXPERIENCED MODERATE GROWTH IN THE PAST 12 HOURS BUT SEEM TO HAVE LEVELED OFF RECENTLY. THEY ARE ALL MAGNETICALLY COMPLEX AND EACH IS BELIEVED TO HAVE A DELTA CONFIGURATION INFERRED FROM H-ALPHA OBSERVATIONS.

B. CLASS M FLARES ARE EXPECTED FROM THE NE COMPLEX WITH INCREASED CHANCES OF A CLASS X EVENT OCCURRING IN THE NEXT 72 HOURS. THIS IS PARTIALLY DUE TO THE FACT THAT THE 1-8 ANGSTROM X-RAY BACKGROUND FLUX IS APPROXIMATELY A FACTOR TWO ABOVE ITS NORMAL QUIET VALUE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 OCT/1700Z ENDING 28 OCT/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 15/15/15

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 25/1700Z WAS 175. PREDICTED 10.7 CM FLUX FOR 26-28 OCT IS 185/190/190.

E. MAGNETIC A-FREDERICKSBURG FOR 24 OCT WAS 11. FOR 25 OCT ABOUT 08. PREDICTED AP FOR 26-28 OCT, 08/06/04.

CORRECTION FORECAST 790A THE 24/0518Z FLARE WAS RECLASSIFIED AS M6.

SOLTERWARN

SPAN

BT