

NNNN0358

NNNN

KMSC

HAUS BOU 240400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 789A ISSUED 0400Z 24 OCTOBER 1970

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

A. SOLAR ACTIVITY IS INCREASING WITH THE NEW REGION ON THE
NORTH EAST MAKING THEIR APPEARANCE. ONE CLASS M2 FLARE 23/1707Z
IN REGION N19E83 WHICH OPTICALLY WAS A ONE NORMAL AND ANOTHER
ONE NORMAL AT 23/2155Z FROM THE SAME REGION WAS A CLASS C FLARE.
THIS REGION NOW N19E74 HAS PRODUCED NUMEROUS SUBFLARES DURING
THE PAST 13 HOURS. THE ABOVE REGION TOGETHER WITH THE REGION
N14E59 ARE THE MOST INTERESTING DISK FEATURES. THE GEOMAGNETIC
FIELD IS SLIGHTLY DISTURBED.

B. CLASS M FLARES ARE EXPECTED FROM THE TWO REGIONS ON THE NORTH
EAST. THESE REGIONS SHOULD PRODUCE ONE OR TWO CLASS M FLARES EACH
DAY. THE GEOMAGNETIC FIELD WILL REMAIN DISTURBED FOR ANOTHER 24
HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 24 OCT/0400Z ENDING 27 OCT/0400Z.

CLASS M OR GREATER 60/60/60

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 23/1700Z AND 23/2000Z WERE 150 AND
151 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNN1700

NNNN

KMSC

HAUS BOU 241700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 789B ISSUED 1700Z 24 OCT 1970

SMALL CLASS M FLARES ARE ANTICIPATED DURING THE NEXT 11 HOURS
FROM THE N18E62 REGION.

A. FLARE FREQUENCY HAS INCREASED AND THE SUBFLARES BEING RE-
CORDED ARE WELL SCATTERED ACROSS THE DISK. NO M EVENTS HAVE
BEEN OBSERVED SINCE THE LAST MESSAGE. THE TWO BIPOLAR REGIONS
IN THE NE QUADRANT ARE NOW NEAR N14E50 AND N18E62. ALTHOUGH THE
LATTER HAS A BRIGHTER PLAGE, THE FORMER EXHIBITS SIGNS OF EMBED-
DED FILAMENT ACTIVITY. THE TRUE MAGNETIC CONFIGURATIONS ARE AS
YET STILL QUESTIONABLE DUE TO FORESHORTENING AND POOR SEEING. AT
9.1CM THE COMBINED RADIO BRIGHTNESS TEMPERATURE CONTOURS ARE
APPROACHING THE THRESHOLD FOR SIGNIFICANT ENERGETIC ACTIVITY. THE
TYPE I NOISE STORM MENTIONED YESTERDAY AT 1.5 METERS HAS DECAYED
TO A FEW SPORADIC SPIKES. EARLIER TODAY THE NW LIMB WAS THE
SCENE OF OCCASIONAL SURGES (N08) AND A SPRAY NEAR N19; BOTH KINDS
OF LIMB ACTIVITY WERE ACCOMPANING THE DISK PASSAGE OF A SMALL REGION.

B. ABOUT ONE OR TWO SMALL M FLARES ARE ANTICIPATED WITHIN ONE OR
BOTH OF THE TWO NE FEATURES. NEITHER UNUSUALLY LOW NOR UNUSUALLY
HIGH GEOMAGNETIC ACTIVITY IS FORSEEN FOR THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 24 OCT/1700Z ENDING 27 OCT/1700Z.

CLASS M OR GREATER 60/70/80

CLASS X 05/05/10

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 24/1400Z WAS 160. PREDICTED
10.7 CM FLUX FOR 25-27 OCT IS 164/162/162.

E. MAGNETIC A-FREDERICKSBURG FOR 23 OCT WAS 20. FOR 24 OCT
ABOUT 14. PREDICTED AP FOR 25-27 OCT, 12/07/10.

SOLTERWARN

SPAN

BT