

KMSC

HAUS BOU 050400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 831A ISSUED 0400Z 05 DECEMBER 1970

CLASS C ACTIVITY IS EXPECTED AND CLASS M ACTIVITY IS PROBABLE
DURING THE NEXT 13 HOURS.

A. THE SURGE ACTIVITY OBSERVED ON 04 DECEMBER WHICH WAS MENTIONED
IN SDF 830B HAS SUBSIDED. ONLY MINOR SURGE ACTIVITY HAS BEEN
OBSERVED DURING THE PAST 5 HOURS. SMALL PLAGE HAS ROTATED ON THE
DISK AT N17. NO SPOTS HAVE BEEN OBSERVED. THE REGION WHICH PRODUCED
THE MAJOR SURGE ACTIVITY HAS NOT YET APPEARED. THE REGION S17W05
HAS PRODUCED THE MAJOR PORTION OF VISIBLE DISK ACTIVITY. OTHER
REGIONS ARE QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE AS THE REGION ON THE EAST
LIMB COMPLETES ITS LIMB PASSAGE. THIS IS A RETURNING REGION WHICH
HAS BEEN QUITE ACTIVE IN THE PAST. THE GEOMAGNETIC FIELD IS EXPECTED
TO HAVE DISTURBED CONDITIONS STARTING IN ABOUT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 05 DEC/0400Z ENDING 08 DEC/0400Z
CLASS M OR GREATER 80/80/80

CLASS X 5/15/15

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 04/1700Z AND 04/2000Z WERE 159 AND 163
RESPECTIVELY.

SOLTERWARN

SPAN

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NNNN0359

NNNN1656

NNNN1659

NNNN

KMSC

HAUS BOU 051700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 831B ISSUED 1700Z 05 DEC 1970

CLASS-C FLARES AND ONE OR TWO CLASS-M FLARES ARE ANTICIPATED
DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS INCREASED SOMEWHAT DURING THE PAST 13 HOURS,
BUT ONLY CLASS-C EVENTS HAVE BEEN REPORTED. OCCASIONAL SUBFLARES
HAVE BEEN PRODUCED BY MOST OF THE REGIONS ON THE DISK; THE C-TYPE
REGION AT S10E13 HAS PRODUCED MORE SMALL FLARES RECENTLY
THAN ANY OTHER REGION. MINOR LIMB ACTIVITY HAS CONTINUED NEAR NE15,
BUT NO ENERGETIC EVENTS HAVE BEEN OBSERVED. A PROBABLE D-TYPE SPOT
GROUP CONTAINING AT LEAST TWO LARGE SPOTS WITH
CONSIDERABLE PENUMBRA PRESENTLY IS VISIBLE ON THE LIMB AT NE15,
BUT EVALUATION OF THE REGION IS LIMITED DUE TO POOR OBSERVING
CONDITIONS AND THE PROXIMITY OF THE REGION TO THE LIMB. THE
GEOMAGNETIC FIELD HAS BEEN RELATIVELY QUIET DURING THE PAST 13 HOURS.

B. OCCASIONAL CLASS-C FLARES ARE EXPECTED TO BE PRODUCED BY THE
VARIOUS DISK REGIONS DURING THE THREE-DAY FORECAST PERIOD. INFRE-
QUENT ENERGETIC ACTIVITY FROM THE REGION AT NE15 IS NOT UNLIKELY ON
THE BASIS OF PRESENTLY AVAILABLE DATA. THE GEOMAGNETIC FIELD IS
EXPECTED TO REMAIN RELATIVELY QUIET UNTIL ABOUT 07/2000Z, WHEN A
PERIOD OF MODERATE MAGNETIC DISTURBANCE OF SUB-STORM PROPORTIONS
IS EXPECTED TO BEGIN.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 05 DEC/1700Z ENDING 08 DEC/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 10/10/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 05/1400Z WAS 170. PREDICTED 10.7 CM
FLUX FOR 06-08 DEC IS 179/185/191.

E. MAGNETIC A-FREDERICKSBURG FOR 04 DEC WAS 03. FOR 05 DEC
ABOUT 07. PREDICTED AP FOR 06-08 DEC, 07/10/13.

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