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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 30/80/80

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. INFREQUENT 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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