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HAUS BOU 180400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 844A ISSUED 0400Z 13 DEC 1970

CLASS-C FLARES ARE EXPECTED AND A CLASS-M FLARE IS LIKELY DURING THE NEXT 13 HOURS.

A. ONLY A FEW CLASS-C SUBFLARES HAVE BEEN REPORTED DURING THE PAST 11 HOURS; MOST OF THE ACTIVITY HAS OCCURRED IN THE REGION AT N14E32, WHERE SOME DEVELOPMENT HAS OCCURRED IN THE SOUTHERN PART OF THE MAIN PENUMBRA. A NEW REGION IS DEVELOPING AT S08E06, BUT NO ACTIVITY HAS OCCURRED AT THAT SITE; OTHER REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 24 HOURS.

B. IF DEVELOPMENT OF THE REGION AT N14E32 CONTINUES, SOLAR ACTIVITY IS EXPECTED TO INCREASE SOMEWHAT DURING THE 3-DAY FORECAST PERIOD; CLASS-C FLARES ARE EXPECTED AND A FEW SMALL CLASS-M FLARES ARE LIKELY. THE GEOMAGNETIC FIELD PROBABLY WILL BECOME DISTURBED DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 DEC/0400Z ENDING 21 DEC/0400Z.

CLASS M OR GREATER 55/60/65

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 17/1700Z AND 17/2000Z WERE 152 AND 153 RESPECTIVELY.

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KMSC

HAUS BOU 181700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 844B ISSUED 1700Z 18 DEC 1970

INFREQUENT SMALL CLASS M FLARES ARE EXPECTED DURING THE NEXT
11 HOURS.

A. A CLASS M1 X-RAY EVENT WITHOUT OPTICAL CONFIRMATION
OCCURRED AT 18/0118Z. PLAGE DEVELOPMENT IS REPORTED BETWEEN
THE SPOT GROUPS NEAR N19E12 AND N13E25 AND IN THE SOUTHERN
PART OF THE N13E25 REGION ITSELF. THE LARGE LEADER PENUMBRA
IN THE LATTER GROUP IS BREAKING APART. A MAGNETIC DELTA CON-
FIGURATION IS INFERRED IN THIS REGION. THE REGION NEAR S10W01
IS DEVELOPING IN BOTH H-ALPHA AND WHITE LIGHT AND NOW CONTAINS
A C-TYPE SPOT GROUP. CORONAL RAIN AND SMALL SURGES ARE
OCCURRING NEAR S11 EL WHERE A BRIGHT PLAGE AND LARGE H-TYPE SPOT
ARE ROTATING ONTO THE DISK. THE GEOMAGNETIC FIELD IS VERY QUIET
WITH K-INDICES OF ZERO PREDOMINATING.

B. SMALL CLASS M FLARES ARE EXPECTED FROM THE N13E25 REGION
DURING THE NEXT 72 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO
BECOME UNSETTLED WITHIN THE NEXT 18 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 18 DEC/1700Z ENDING 21 DEC/1700Z.

CLASS M OR GREATER 55/60/65

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 18/1400Z WAS 158. PREDICTED
10.7 CM FLUX FOR 19-21 DEC IS 161/164/169.

E. MAGNETIC A-FREDERICKSBURG FOR 17 DEC WAS 02. FOR 18 DEC
ABOUT 06. PREDICTED AP FOR 19-21 DEC, 10/08/08.

SOLTERWARN

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