

KBOU

HAUS BOU 050500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 125A ISSUED 0500Z 05 MAY 1971

A CLASS M FLARE IS LIKELY DURING THE NEXT 24 HOURS.

A. THE MOST SIGNIFICANT SOLAR EVENT REPORTED DURING THE PAST SEVEN HOURS CONSISTED OF A CLASS M2 ONE-BRILLIANT FLARE AT 05/0135Z FROM THE DEVELOPING ACTIVE CENTER AT N14E22. MINOR RADIO BURSTS AND MODERATE IONOSPHERIC EFFECTS WERE PRODUCED BY THIS FLARE. THE N14E22 REGION IS THE MOST DYNAMIC DISK FEATURE, CONTAINING A CONVOLUTED LONGITUDINAL NEUTRAL LINE, EMERGING MAGNETIC FIELDS, AND A POSSIBLE DELTA CONFIGURATION IN THE LEADING PENUMBRA. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS BECOME SLIGHTLY DISTURBED DURING THE PAST SEVEN HOURS.

B. ONE OR TWO SMALL CLASS M FLARES AND OCCASIONAL NON-ENERGETIC SUBFLARES ARE EXPECTED TO BE PRODUCED BY THE N14E23 REGION DURING THE NEXT 24 HOURS. A MINOR GEOMAGNETIC DISTURBANCE IS EXPECTED TO BEGIN EARLY ON 06 MAY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 MAY/0000Z ENDING 07 MAY/2400Z

CLASS M OR GREATER 60/60/60

CLASS X 05/05/05

PROTON EVENTS 01/01/01

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HAUS BOU 052200

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO

SDF NUMBER 125B ISSUED 2200Z 5 MAY 1971

CLASS M FLARES ARE EXPECTED AND A CLASS X FLARE IS PROBABLE
IN THE NEXT 24 HOURS.

A. THE N13E21 REGION PRODUCED A 1B/SB CLASS M2 AT 05/1212Z.
THE FLARE HAD MODERATE SID EFFECTS AND PRODUCED A SMALL RADIO
BURST -- 25 FLUX UNITS AT 10 CM. WEATHER CONDITIONS HAVE
PREVENTED RECENT ANALYSIS OF THE NE REGION BY OBSERVATORIES
IN THE WESTERN HEMISPHERE. NEUTRAL LINE ANALYSIS DOES NOT
CONFIRM ANY DELTA CONFIGURATIONS OR MIXED POLARITIES BUT IT
DOES INDICATE STRONG MAGNETIC GRADIENTS. PLAGE STRUCTURE REMAINS
STRONG. SUN SPOTS HAVE DOUBLED THEIR AREA SINCE YESTERDAY AND
THE CLASS/AREA NOW IS E/570.

B. AN UPPER LIMIT OF THREE CLASS M FLARES AND ONE CLASS X PER
DAY IS EXPECTED FROM THE NE REGION FOR THE NEXT THREE DAYS.
THE REGION IS REACHING A STAGE IN ITS DEVELOPEMENT WHERE TWO
BRIGHT FLARES COME AS NO SURPRISE. RECURRENT GEOMAGNETIC
ACTIVITY IS EXPECTED EARLY ON THE SIXTH OF MAY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 6 MAY/0000Z ENDING 8 MAY/2400Z.

CLASS M OR GREATER 90/90/80

CLASS X 25/25/20

PROTON EVENTS 15/15/10

D. OTTAWA 10.7 CM FLUX FOR 05/1400, 1700 AND 2000Z WERE 122,
116, AND 118 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 6-8 MAY
IS 123/125/127.

E. MAGNETIC A-FREDERICKSBURG FOR 4 MAY WAS 08. FOR 5 MAY ABOUT 05
PREDICTED AP FOR 6-8 MAY, 18/12/08.

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