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KBOU

HAUS BOU 310500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 151A ISSUED 0500Z 31 MAY 1971

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. ONLY A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED. THE REGIONS ON THE DISK ARE ALL STABLE AND INACTIVE. THE GEOMAGNETIC DISTURBANCE CONTINUES AT MINOR STORM PROPORTIONS.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. THE GEOMAGNETIC STORM WILL CONTINUE AT PRESENT LEVEL DURING THE NEXT DAY OR TWO AND THEN INTENSIFY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 MAY/0000Z ENDING 02 JUNE/2400Z

CLASS M OR GREATER 60/50/45

CLASS X 05/02/02

PROTON EVENTS 05/02/02

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HAUS BOU 312200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 151B ISSUED 2200Z 31 MAY 1971

AN UPPER LIMIT ON ACTIVITY DURING THE NEXT 24 HOURS SHOULD BE ONE OR TWO THRESHOLD LEVEL M EVENTS.

A. NO ENERGETIC EVENTS HAVE BEEN REPORTED AMONG THE LESS THAN 10 SUBFLARES OBSERVED SO FAR TODAY. SEVEN DISK FEATURES ARE CURRENTLY VISIBLE, AND THROUGH A COMPARISON WITH YESTERDAYS SPOT DRAWING THREE HAVE DECAYED, ONE REMAINS UNCHANGED, TWO ARE NEW, AND ANOTHER JUST INSIDE THE NE LIMB IS APPARENTLY A FEW DAYS OLD. THIS LAST SPOT GROUP HAS PRODUCED ALMOST CONTINUOUS IMPORTANCE ONE AND AN OCCASIONAL IMPORTANCE TWO BRIGHT SURGES ALONG A SECTOR OF THE EAST LIMB BETWEEN N07 AND S10. AN H TYPE REGION IS NOW VISIBLE NEAR NOOE77 WITH AN AREA OF THE ORDER OF 200 MILLIONTHS. IN TERMS OF THE GEOMAGNETIC FIELD, CONDITIONS ARE QUIET.

B. A SMALL BUT SHORT-LIVED /ABOUT A DAY/ RISE IN SUBFLARE FREQUENCY IS TO BE EXPECTED AS A RESULT OF THE NOOE77 /L ABOUT 223/ GROUP. UNUSUALLY QUIET MAGNETIC CONDITIONS SHOULD PREVAIL TOMORROW. STORM ONSET IS ANTICIPATED ON OR SHORTLY BEFORE 02/1200Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 JUNE/0000Z ENDING 03 JUNE/2400Z.

CLASS M OR GREATER 70/50/45

CLASS X 05/02/02

PROTON EVENTS 05/02/02

D. OTTAWA 10.7 CM FLUXES FOR 31/1400, 1700, AND 2000Z WERE 107, 109, AND 106 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 01-03 JUNE IS 109/112/112.

E. MAGNETIC A-FREDERICKSBURG FOR 30 MAY WAS 18. FOR 31 MAY ABOUT 04. PREDICTED AP FOR 01-03 JUNE, 02/15/37.

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