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HAUS BOU 120400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 102A ISSUED 0400Z 12 APRIL 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 11 HOURS, AND ONLY A FEW CLASS C FLARES HAVE BEEN REPORTED. DEVELOPMENT HAS OCCURRED IN THE SOUTHEASTERN PART OF THE NO4E59 REGION, WHERE BRIGHT PLAGE IS VISIBLE. A NEW GROUP, ALREADY A D-TYPE WITH AN AREA OF ABOUT 100 MILLIONTHS OF THE DISK! HAS FORMED AT S05E32. TWO SMALL H-TYPE SPOTS HAVE CROSSED THE LIMB AND NOW ARE LOCATED AT N19E84 AND N09E87, BUT NO SIGNIFICANT PLAGE ACCOMPANYING THESE NEW REGIONS HAS BEEN REPORTED. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. UNSETTLED GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST 11 HOURS.

B. DURING THE 3-DAY FORECAST PERIOD, OCCASIONAL CLASS C FLARES ARE EXPECTED TO BE PRODUCED BY THE VARIOUS REGIONS ON THE DISK. IN ADDITION, ONE OR TWO SMALL CLASS M FLARES MAY OCCUR IN THE NO4E59 REGION. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN SLIGHTLY DISTURBED DURING THE NEXT 13 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 APR/0400Z ENDING 15 APR/0400Z.

CLASS M OR GREATER 40/45/50

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 11/1700Z AND 11/2000Z WERE 124 AND 128 RESPECTIVELY.

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KBOU

HAUS BOU 121700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 102B ISSUED 1700Z 12 APRIL 1971

CLASS C FLARES EXPECTED IN THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS LOW. THE S05E25 REGION HAS GROWN TO A D TYPE GROUP IN LESS THAN 24 HOURS. IT REMAINS THE MOST DYNAMIC DISK FEATURE. A TWO SPOT GROUP WITH NORTH SOUTH ALIGNMENT HAS APPEARED AT SE18. PLAGE CAN BE SEEN BEHIND THE H TYPE SPOT AT N21E74 AND IS BELIEVED TO BE A NEW REGION.

B. SOLAR ACTIVITY WAS EXPECTED TO RISE WITH THE NEW DEVELOPMENT OF REGIONS IN THE EASTERN SECTOR OF THE SUN, BUT THIS HAS NOT MATERIALIZED. MORE SMALL FLARES FROM SMALL REGIONS EXPECTED IN THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 APR/1700Z ENDING 15 APR/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 12/1400Z WAS 131. PREDICTED 10.7CM FLUX FOR 13-15 APR IS 135/140/142.

E. MAGNETIC A-FREDERICKSBURG FOR 11 APR WAS 23. FOR 12 APR ABOUT 10. PREDICTED AP FOR 13-15 APR IS 07/05/05.

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