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HAUS BOU 040500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 124A ISSUED 0500Z 04 MAY 1971

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SINCE THE ENERGETIC FLARE OF 03/1411Z SOLAR ACTIVITY HAS BEEN CONFINED TO NON-ENERGETIC SUBFLARES. THE REGION N15E37 HAS PRODUCED MOST OF THE ACTIVITY. PLAGE GROWTH HAS BEEN EVIDENT IN THE REGION N15E37 BUT NO NEW SPOTS HAVE APPEARED. MINOR SURGES HAVE BEEN SEEN ON THE SE LIMB. A NEW BIPOLAR SPOT HAS DEVELOPED AT N15E08. THE OTHER DISK REGIONS HAVE BEEN QUIET AND STABLE. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE FROM THE REGION N15E37. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 MAY/0000Z ENDING 06 MAY/2400Z

CLASS M OR GREATER 35/40/30

CLASS X 02/05/02

PROTON EVENTS 01/01/01

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HAUS BOU 042200

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO

SDF NUMBER 124B ISSUED 2200Z 04 MAY 1971

A CLASS M FLARE IS PROBABLE IN THE NEXT 24 HOURS.

A. SUBFLARE ACTIVITY HAS RISEN IN THE N14E26 REGION. THE REGION CONTINUES TO DEVELOP WITH AN ARCH FILAMENT STRUCTURE IN THE CENTRAL PORTION OF THE REGION. THE NEUTRAL LINE BENDS QUITE CLOSE TO THE SE PART OF THE LEADER SPOT GIVING RISE TO STRONG MAGNETIC GRADIENTS HERE. THE SPOTS FORM AN ELLIPTICAL RING WITH CLASS/ AREA OF D/290. THE REGION APPEARS TO BE SIMPLIFYING MAGNETICALLY AS THE NEUTRAL LINE IS LESS CONVOLUTED AND THE SPOTS ARE ARRANGING THEMSELVES IN A STABLE EAST-WEST BIPOLAR CONFIGURATION. THE REST OF THE DISK IS QUIET.

B. SMALL FLARES ARE EXPECTED NEAR THE LEADER OF THE NE REGION. CLASS M PROBABILITIES ARE ENHANCED BY THE GROWTH TREND IN THE NE BUT SOMEWHAT LESSENERED BY THE SIMPLIFYING NEUTRAL LINE.

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

D. OTTAWA 10.7CM FLUXES FOR 04/1400, 1700 AND 2000Z WERE 112, 111, AND 110 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 05-07 MAY IS 115/119/125.

E. MAGNETIC A. FREDERICKSBURG FOR 03 MAY WAS 08. FOR 04 MAY ABOUT 06. PREDICTED AP FOR 05-07 MAY IS 07/22/12.

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