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HAUS BOU 030500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 123A ISSUED 0500Z 03 MAY 1971

ONLY SPORADIC CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL. THE REGION N13E56 HAS SHOWN SOME GROWTH AND CONTAINS A RUDIMENTARY D TYPE SPOT. THE REGION N13E75 IS MODERATELY BRIGHT. A NEW REGION IS ROTATING ON THE DISK AT S11E85. ONLY A SMALL PLAGE AREA IS VISIBLE AT THIS TIME. THE GEOMAGNETIC FIELD IS QUIET.

B. NO MAJOR CHANGE IS EXPECTED IN SOLAR ACTIVITY. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 MAY/0000Z ENDING 06 MAY/2400Z

CLASS M OR GREATER 20/20/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HAUS BOU 032200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 123B ISSUED 2200Z 03 MAY 1971

NO FLARES MORE ENERGETIC THAN CLASS C ARE ANTICIPATED DURING THE NEXT 24 HOURS.

A. THE CURRENT LULL IN SOLAR ACTIVITY WITNESSED THESE PAST FEW WEEKS WAS INTERRUPTED TODAY BY A SHORT-LIVED X1 FLARE OF 1B OPTICAL CLASSIFICATION. START TIME OF THE EVENT WAS 03/1411Z NEAR N16E46. WELL DEFINED SWFS UP TO 21 MHZ WERE RECORDED AS WELL AS A RESPECTABLE RADIO BURST AT DEKAMETER AND DECIMETER WAVELENGTHS. MORE SPECIFICALLY! AT 10 CM THE AVERAGE PEAK FLUX ABOVE BACKGROUND WAS 175 UNITS PLUS OR MINUS 25. DISK ACTIVITY HAS BEEN ESSENTIALLY NIL ASIDE FROM THE ABOVE FLARE. SIX REGIONS ARE NOW VISIBLE BUT ONLY THE REGION GIVING RISE TO THE X1 EVENT DISPLAYS A MODERATE MAGNETIC FIELD GRADIENT. SEVERAL IMBEDDED ARCH FILAMENTS ARE EVIDENT THERE AS ARE NEW PENUMBRAL STRUCTURES IN BOTH THE LEADING AND FOLLOWING PORTIONS. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. IF FURTHER OBSERVATIONS SUPPORT THE POSSIBLE JUXTAPOSITION OF TWO SPOT GROUPS NEAR N15E42, THEN ADDITIONAL ENERGETIC FLARES MAY BE ANTICIPATED IN THE NEXT TWO TO THREE DAYS. CERTAINLY THE MAJORITY OF NON-ENERGETIC FLARES WILL MOST LIKELY STEM FROM THIS DISK FEATURE. A RECURRENT GEOMAGNETIC STORM IS DUE TO BEGIN ABOUT 0900Z ON THE 6TH. THE A SUB FR SHOULD BE GREATER THAN 20 ON 6 AND 7 MAY.

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

D. OTTAWA 10.7 CM FLUXES FOR 03/1400, 1700, AND 2000Z WERE 104, 104, AND 105 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 04-06 MAY IS 108/113/112.

E. MAGNETIC A-FREDERICKSBURG FOR 02 MAY WAS 17. FOR 03 MAY ABOUT 06. PREDICTED AP FOR 04-06 MAY, 06/04/22.

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