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HAUS BOU 140405

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 104A ISSUED 0400Z 14 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 CLASS C FLARES HAVE BEEN REPORTED. RAPID DEVELOPMENT HAS OCCURRED AT S03W02, WHERE A NEW D-TYPE SPOT GROUP HAS EMERGED IN CLOSE PROXIMITY TO THE LEADING SPOT OF THE GROWING D-TYPE REGION AT S04E06. MODERATELY BRIGHT PLAGE IS PRESENT IN THE REGIONS AT N21E66 AND N10E64. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 11 HOURS.

B. DURING THE 72-HOUR FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO INCREASE GRADUALLY AS DEVELOPMENT OCCURS IN THE VARIOUS ACTIVE REGIONS ON THE DISK. THE GROWING NEW GROUPS AT S04E06 AND S03W02 COULD PRODUCE A COMPLEX CAPABLE OF ENERGETIC ACTIVITY IF THEIR DEVELOPMENT CAUSES THESE REGIONS TO COLLIDE AND INTERACT. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 APR/0400Z ENDING 17 APR/0400Z.

CLASS M OR GREATER 45/50/55

CLASS X 01/01/02

PROTON EVENTS 01/01/02

D. OTTAWA 10.7 CM FLUXES FOR 13/1700Z AND 13/2000Z WERE 140 AND 137 RESPECTIVELY.

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HAUS BOU 141715

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLOL

SDF NUMBER 104B ISSUED 1700Z 14 APRIL 1971

MINOR ACTIVITY EXPECTED.

A. EVENTS THE PAST 13 HOURS HAVE NOT EXCEEDED CLASS C INTENSITY. DESPITE THE LARGE NUMBER OF REGIONS IN THE EASTERN HEMISPHERE OF THE VISIBLE DISK, THE ACTIVITY RATE HAS DECLINED. THE STABLE REGIONS HAVE REMAINED STABLE WHILE THE PREVIOUSLY ACTIVE AREAS HAVE DECLINED RAPIDLY. SOMEWHAT ANOMALOUS MAGNETIC CONFIGURATIONS EXIST AT N21E57 AND N10E45-54. A GEOMAGNETIC DISTURBANCE THAT MAY REACH STORM INTENSITY BEGAN WITH A SUDDEN COMMENCEMENT OR IMPULSE REPORTED ABOUT 14/1244Z. THE DISTURBANCE APPEARS TO BE A DELAYED EVENT ASSOCIATED WITH A PERTURBATION EXPANDING WESTWARD IN THE INTERPLANETARY MEDIUM. THE SOURCE IS INDETERMINATE-POSSIBLY THE N21E57 OR N10E45-54 REGIONS OR FROM OTHER CENTERS BEYOND THE LIMB. NO INDICATION OF AN ENERGETIC EVENT HAS BEEN NOTED THERE.

B. ONLY MINOR DISK ACTIVITY IS EXPECTED THE NEXT 13 HOURS. THE CURRENT GEOMAGNETIC DISTURBANCE IS EXPECTED TO CONTINUE FOR THE NEXT 2-3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 APR/1700Z ENDING 17 APR/1700Z.

CLASS M OR GREATER 30/35/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 14/1400Z WAS 146. PREDICTED 10.7 CM FLUX FOR 15-17 APR IS 147/149/150.

E. MAGNETIC A-FREDERICKSBURG FOR 13 APR WAS 08. FOR 14 ABOUT 11 PREDICTED AP FOR 15-17, 20/18/10.

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