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HAUS BOU 180400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 077A ISSUED 0400Z 18 MARCH 1971

ONLY CLASS C ACTIVITY IS LIKELY DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 11 HOURS, AND NO ENERGETIC FLARES HAVE BEEN REPORTED. SLIGHT DEVELOPMENT HAS OCCURRED IN THE ACTIVE CENTER AT S05W30, WHERE THE LEADING SPOT HAS GROWN. A NEW BIPOLAR GROUP IS DEVELOPING AT S07W04, AND AN H-TYPE SPOT IS LOCATED AT S07E83. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 13 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, OCCASIONAL SMALL FLARES ARE EXPECTED TO BE PRODUCED BY THE REGIONS AT S05W30, S07W04, AND N07W03. MOST OF THESE EVENTS WILL BE RELATIVELY NON-ENERGETIC, BUT BORDERLINE CLASS M FLARES ARE POSSIBLE. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 MAR/0400Z ENDING 21 MAR/0400Z. CLASS M OR GREATER 25/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 17/1700Z AND 17/2000Z WERE 117 AND 115 RESPECTIVELY.

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HAUS BOU 181700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 77B ISSUED 1700Z 18 MARCH 1971

ONLY MINOR ACTIVITY IS EXPECTED DURING THE NEXT 11 HOURS.

A. A CLASS C2 EVENT AT 18/0412Z WITH NO OPTICAL CORRELATION HAS BEEN THE MOST ENERGETIC EVENT OF THE PAST 13 HOURS. THE S05W40 REGION IS NOW OUT OF ITS GROWTH PHASE. THE PLAGE IS BEGINNING TO DIFFUSE RAPIDLY. OLD FAINT PLAGE IS VISIBLE WITH THE H-TYPE SPOT AT S09E78.

B. ONLY MINOR ACTIVITY IS EXPECTED. OCCASIONAL SMALL FLARES ARE LIKELY AT S05W40 AS THE REMAINING SLIGHT MAGNETIC COMPLEXITIES ARE RELAXED. OTHER REGIONS MAY PRODUCE SCATTERED MINOR FLARES. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET UNTIL 21 MARCH WHEN A MODERATE GEOMAGNETIC DISTURBANCE TO NEAR STORM PROPORTIONS IS EXPECTED TO BEGIN.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 MARCH/1700Z ENDING 21 MARCH/1700Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 18/1400Z WAS 112. PREDICTED 10.7CM FLUX FOR 19-21 MARCH IS 114/115/116.

E. MAGNETIC A-FREDERICKSBURG FOR 17 MARCH WAS 08. FOR 18 MARCH ABOUT 05. PREDICTED AP FOR 19-21 MARCH, 05/03/15.

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