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HAUS BOU 190400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 078A ISSUED 0400Z 19 MARCH 1971

SPORADIC 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 NON-ENERGETIC SUBFLARES HAVE BEEN REPORTED. A SMALL NEW BIPOLAR REGION HAS APPEARED AT S14E39, BUT SO FAR THIS NEW STRUCTURE HAS PRODUCED ONLY MINOR ACTIVITY. FLUCTUATING PLAGE AND ACTIVE FILAMENTS IN THE S04W20 REGION INDICATE THAT INSTABILITY REMAINS AT THAT SITE. SPOT GROWTH HAS SLOWED IN THE GROUP AT S05W42, BUT A SMALL AREA OF COMPACT PLAGE HAS DEVELOPED IN THE EASTERN PART OF THE REGION. THE SOUTHERN PART OF THE S05W42 ACTIVE CENTER CONTAINS A SHARP KINK IN THE LONGITUDINAL NEUTRAL LINE, SUGGESTING THAT INSTABILITY MAY REMAIN IN THIS REGION. OTHER CENTERS ARE UNIMPRESSIVE. QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST 11 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO CONSIST ENTIRELY OF SPORADIC CLASS C EVENTS. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN QUIET UNTIL 21 MARCH, WHEN UNSETTLED CONDITIONS ARE LIKELY TO BEGIN.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 MAR/0400Z ENDING 22 MAR/0400Z. CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 18/1700Z AND 18/2000Z WERE 115 AND 114 RESPECTIVELY.

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HAUS BOU 191715

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 078B ISSUED 1700Z 19 MARCH 1971

ONLY ISOLATED CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY SPORADIC CLASS C SUBFLARES OCCURRING. ALL EIGHT SUNSPOT ASSOCIATED REGIONS ARE SIMPLE MAGNETICALLY WITH NO SIGNIFICANT GROWTH PATTERNS. THE GEOMAGNETIC FIELD IS QUIET EXCEPT FOR SHORT DURATION PERTURBATIONS.

B. MINOR SOLAR ACTIVITY IS EXPECTED TO CONTINUE DURING THE 3 DAY FORECAST PERIOD. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET WITH ONLY SHORT DURATION PERIODS OF MINOR DEVIATIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 MAR/1700Z ENDING 22 MAR/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 19/1400Z WAS 112. PREDICTED 10.7 CM FLUX FOR 20-22 MAR IS 112/111/113.

E. MAGNETIC A-FREDERICKSBURG FOR 18 MAR WAS 04. FOR 19 MAR ABOUT 07 PREDICTED AP FOR 20-22 MAR, 07/09/09.

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