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HAUS BOU 160400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 075A ISSUED 0400Z 16 MARCH 1971

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

A. DURING THE PAST 11 HOURS, SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL, AND ONLY A FEW CLASS C FLARES HAVE BEEN REPORTED. DEVELOPMENT HAS OCCURRED IN THE REGION AT N07E22, WHERE A SPOT OF LEADER POLARITY HAS FORMED AT THE WESTERN EDGE OF THE FOLLOWER SECTION. THIS N07E22 REGION CONTAINS A MODERATELY KINKED LONGITUDINAL NEUTRAL LINE AND FLUCTUATING PLAGE. A NEW BIPOLAR GROUP IS GROWING AT S21E36, AND A FOLLOWER SPOT HAS APPEARED EAST OF THE LEADING SPOT IN THE S03E18 REGION. SLOW DEVELOPMENT ALSO IS IN PROGRESS EAST OF THE H-TYPE SPOT AT N19W07. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS EXHIBITED UNSETLED CONDITIONS DURING THE PAST 11 HOURS.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL DURING THE 3-DAY FORECAST PERIOD. SPORADIC CLASS C FLARES ARE EXPECTED, AND THE PROBABILITY OF SMALL CLASS M FLARES IS INCREASING AS THE N07E22 REGION GROWS MORE COMPLEX. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN RELATIVELY QUIET DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 MAR/0400Z ENDING 19 MAR/0400Z
CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 14/1700Z AND 14/2000Z WERE BOTH 112.

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HAUS BOU 161700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDF NUMBER 075B ISSUED 1700Z 16 MARCH 1971

ONLY MINOR FLARES EXPECTED DURING NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS BEEN SMALL AND INFREQUENT. MINOR ACTIVITY HAS CONTINUED AT N07E15. MINOR FILAMENT ACTIVITY IS CONTINUING IN THE REGION. THE SPOTS ARE NUMEROUS BUT RUDIMENTARY. A NOMINAL BIPOLE REGION IS GROWING AT S11W19. SURGE ACTIVITY AT SE12 MARKS A RETURNING REGION THERE BUT THE NATURE OF THE ACTIVITY INDICATES NO NEW DEVELOPMENT HAS OCCURRED. THE INTENSITY OF AURORAL SUB-STORMS IS DECLINING AND THE GEOMAGNETIC FIELD HAS STEADIED AT LOWER LATITUDES.

B. INFREQUENT MINOR FLARES ARE EXPECTED. SOME OF THE EVENTS AT N07E15 MAY APPROACH CLASS M INTENSITY. FREQUENT CHROMOSPHERIC ACTIVITY TYPICAL OF GROWING REGIONS WITH LIMITED POTENTIAL IS LIKELY AT S11W19. THOUGH CURRENTLY INACTIVE THE S17W38 REGION MAY PRODUCE ONE OR TWO EVENTS RANGING TO NEAR-M INTENSITY. GEOMAGNETIC ACTIVITY IS EXPECTED TO CONTINUE TO DECLINE BUT STILL REMAIN UNSETTLED FOR THE NEXT TWO DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 MAR/1700Z ENDING 19 MAR/1700Z.

CLASS M OR GREATER 25/25/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 16/1400Z WAS 115. PREDICTED 10.7 CM FLUX FOR 17-19 MAR IS 114/115/116.

E. MAGNETIC A-FREDERICKSBURG FOR 15 MAR WAS 16. FOR 16 MAR ABOUT 13. PREDICTED AP FOR 17-19 MAR, 11/10/08.

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