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HAUS BOU 030400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 093A ISSUED 0400Z 03 APRIL 1971

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A MODERATE LEVEL DURING THE PAST 11 HOURS. ALL ACTIVITY HAS BEEN NON-ENERGETIC SUBFLARES. MOST ACTIVITY DURING THE PAST 24 HOURS HAS BEEN FROM REGION S18W32 WHICH CONTINUES TO BE THE ONLY INTERESTING DISK FEATURE. THE REGION S18W32 HAS SHOWN SOME INTERESTING CHANGES AND CONTAINS THE POTENTIAL FOR MORE ENERGETIC ACTIVITY. THE GEOMAGNETIC FIELD HAS BEEN RELATIVELY QUIET.

B. THE REGION S18W32 COULD PRODUCE SOME CLASS M FLARES DURING THE NEXT 72 HOURS. CLASS C FLARES ARE EXPECTED. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 APRIL/0400Z ENDING 06 APRIL/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 15/10/10

PROTON EVENTS 15/10/10

D. OTTAWA 10.7 CM FLUXES FOR 02/1700Z AND 02/2000Z WERE BOTH 103.
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HAUS BOU 031730

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 093B ISSUED 1700Z 03 APRIL 1971

AN ENERGETIC CLASS M FLARE IS LIKELY DURING THE NEXT 11 HOURS.

A. DURING THE PAST 13 HOURS, SOLAR ACTIVITY HAS CONSISTED OF OCCASIONAL CLASS C SUBFLARES PRODUCED BY THE ACTIVE CENTER AT S18W42. THE ANTIPOLAR LEADING SPOTS OF THIS REGION HAVE SEPARATED, AND THEY NOW LIE ABOUT 3 DEGREES APART. RECENTLY THE EASTERN PART OF THE FILAMENT OUTLINING THE LONGITUDINAL NEUTRAL LINE HAS DARKENED AND BECOME MORE PROMINENT, AND BRIGHTENINGS HAVE BEEN OBSERVED ALONG THIS FILAMENT. A NEW REGION CONTAINING A MODERATELY LARGE H-TYPE SPOT HAS CROSSED THE EAST LIMB AND NOW IS LOCATED AT N16E75, BUT THIS GROUP PRESENTLY IS UNIMPRESSIVE. THE OTHER REGIONS ON THE DISK ARE RELATIVELY QUIET AND STABLE. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED DURING THE PAST 13 HOURS. PROTON COUNTING RATES ON THE ATS-1 SATELLITE HAVE DECREASED AND PRESENTLY ARE ONLY SLIGHTLY ENHANCED.

B. DURING THE THREE DAY FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO CONSIST OF OCCASIONAL CLASS C FLARES AND ONE OR TWO CLASS M FLARES FROM THE REGION AT S18W42. THE GEOMAGNETIC FIELD PROBABLY WILL BECOME MODERATELY DISTURBED DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 APR/1700Z ENDING 06 APR/1700Z.

CLASS M OR GREATER 75/70/60

CLASS X 15/10/5

PROTON EVENTS 15/10/5

D. OTTAWA 10.7 CM FLUX FOR 03/1400Z WAS 108. PREDICTED 10.7 CM FLUX FOR 04-06 APR IS 110/107/105.

E. MAGNETIC A-FREDERICKSBURG FOR 02 APR WAS 07. FOR 03 APR ABOUT 18 PREDICTED AP FOR 04-06 APR, 20/12/12.

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