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HAUS BOU 040400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 094A ISSUED 0400Z 04 APRIL 1971

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 11 HOURS HAS PRODUCED ONLY A FEW NON-ENERGETIC CLASS C FLARES. THE MAJORITY OF THE FLARES HAVE BEEN FROM REGION S18W46. THE REGION S18W46 IS STILL THE MOST INTERESTING DISK FEATURE BUT IT HAS DECREASED IN BRIGHTNESS AND HAS CHANGED VERY LITTLE DURING THE PAST 11 HOURS. OTHER DISK REGIONS ARE QUIET. A MINOR MAGNETIC STORM STARTED WITH A SUDDEN COMMENCEMENT AT 03/2140Z.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. CLASS C FLARES ARE EXPECTED. A SMALL CLASS M FLARE IS PROBABLE DURING THE NEXT 72 HOURS. THE MINOR MAGNETIC STORM IS EXPECTED TO CONTINUE FOR THE NEXT 8-10 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 APRIL/0400Z ENDING 07 APRIL/0400Z

CLASS M OR GREATER 60/60/50

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 03/1700Z AND 03/2000Z WERE 109 AND 107 RESPECTIVELY.

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HAUS BOU 041700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 094B ISSUED 1700Z 04 APR 1971

FLARE ACTIVITY SHOULD BE CONFINED TO CLASS C EVENTS ONLY DURING THE NEXT 11 HOURS.

A. SINCE THE LAST MESSAGE ONE ENERGETIC FLARE HAS BEEN OBSERVED. THE EVENT WAS AN M1 (OPTICALLY A SB OR 1N) NEAR S20W55. FLARE ONSET TIME WAS 04/0731Z. ALTHOUGH THE ACCOMPANING RADIO EMISSION WAS ALMOST NONEXISTENT, STRONG SWFS WERE DETECTED. A NEW REGION HAS ROTATED ONTO THE DISK AT SE13, BUT NO ACTIVITY HAS BEEN EVIDENT THERE. MOST OF THE FLARES ARE CONCENTRATED WITHIN THE S19W58 CENTER WHERE THE ASSOCIATED FILAMENT STILL SHOWS SIGNS OF LINE-OF-SIGHT MOTION. THE GEOMAGNETIC DISTURBANCE WHICH BEGAN YESTERDAY ABOUT 2139Z WILL APPARENTLY BE SHORT-LIVED. LOCAL 3-HOUR RANGE INDICES ARE NOT EXCEEDING K EQUAL THREE.

B. THE MAGNETIC NEUTRAL LINE ANALYSIS CLEARLY POINTS TO THE S19W58 BETA-GAMMA GROUP AS BEING THE ONLY DISK FEATURE OF SIGNIFICANT FLARE POTENTIAL. M EVENTS AT THE RATE OF APPROXIMATELY ONE PER DAY ARE ANTICIPATED. GEOMAGNETICALLY QUIET CONDITIONS ARE EXPECTED BY THE CLOSE OF THE DAY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 APR/1700Z ENDING 07 APR/1700Z.

CLASS M OR GREATER 60/50/50

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX FOR 04/1400Z WAS 108. PREDICTED 10.7 CM FLUX FOR 05-07 APR IS 110/110/106.

E. MAGNETIC A-FREDERICKSBURG FOR 03 APR WAS 19. FOR 04 APR ABOUT 17. PREDICTED AP FOR 05-07 APR, 09/07/07.

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