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HAUS BOU 080500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 128A ISSUED 0500Z 03 MAY 1971

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT A MODERATELY LOW LEVEL DURING THE PAST 7 HOURS. ACTIVITY HAS BEEN OBSERVED FROM THE REGION N13W13. THIS REGION, THOUGH IT HAS BEEN GROWING AND BECOMING MORE COMPLEX, IS PRODUCING ONLY CLASS C ACTIVITY AT PRESENT TIME. THE OTHER DISK REGIONS ARE STABLE AND QUIET. THE MAGNETIC STORM HAS BEEN REDUCING IN ITS INTENSITY.

B. ENERGETIC FLARES CAN BE EXPECTED FROM REGION N13W13 DURING THE NEXT THREE DAYS. THE MAGNETIC FIELD WILL REMAIN IN DISTURBED CONDITION WITH MORE DISTURBANCE EXPECTED ON THE 9TH AND 10TH.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 MAY/0000Z ENDING 10 MAY/2400Z

CLASS M OR GREATER 90/90/90

CLASS X 25/25/25

PROTON EVENTS 30/30/30

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HAUS BOU 082240

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 128B ISSUED 2200Z 08 MAY 1971

ENERGETIC FLARE ACTIVITY IS ANTICIPATED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING THE PAST SEVENTEEN HOURS. THE MOST ENERGETIC EVENT REPORTED CONSISTED OF A SUB-BRILLIANT CLASS M1 FLARE AT 08/1305Z IN THE ACTIVE CENTER AT N13W27. PENUMBRA NO LONGER CONNECTS THE LEADING AND FOLLOWING PARTS OF THE N13W27 GROUP, AND THE LEADER SPOTS HAVE MERGED. AFTER ABOUT 08/1100Z, THE EAST-WEST NEUTRAL LINE AT N13W27 BECAME INDISTINCT, BUT RECENTLY THIS FILAMENT HAS REFORMED AND IS ACTIVE ON BOTH SIDES OF THE H-ALPHA CENTER LINE. POINT BRIGHTENINGS HAVE BEEN OBSERVED ALONG THE NEUTRAL LINE IN THE CENTRAL AND TRAILING PARTS OF THE N13W27 REGION. AN ACTIVE REGION IS EXPECTED TO BECOME VISIBLE SOON ON THE EAST LIMB NEAR NE05, WHERE SURGES, MOUNDS, AND CORONAL RAIN HAVE BEEN SEEN RECENTLY. RELATIVELY INTENSE IMPULSIVE SOLAR NOISE AT DEKAMETRIC WAVELENGTHS HAS BEEN OBSERVED SINCE ABOUT 08/1800Z. THE GEOMAGNETIC STORM THAT BEGAN GRADUALLY ON 05 MAY DECREASED CONSIDERABLY IN INTENSITY DURING THE PAST 17 HOURS, BUT SOME VERY SLIGHT DISTURBANCE IS STILL BEING RECORDED.

B. THE N13W27 REGION REMAINS DYNAMIC AND IS EXPECTED TO PRODUCE ONE OR TWO LARGE CLASS M OR SMALL CLASS X FLARES DURING THE THREE-DAY FORECAST PERIOD. IN ADDITION, THE PRESENT INDIRECT DATA SUGGEST THAT SOME ENERGETIC ACTIVITY EVENTUALLY MAY BE PRODUCED BY THE REGION OR REGIONS NOW LOCATED BEHIND THE EAST LIMB NEAR NE05. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN IN AN UNSETTLED CONDITION UNTIL ABOUT 11/1200Z, WHEN SLIGHT TO MODERATELY DISTURBED CONDITIONS ARE LIKELY TO BEGIN.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 MAY/0000Z ENDING 11 MAY/2400Z

CLASS M OR GREATER 85/80/80

CLASS X 25/20/20

PROTON EVENTS 30/30/30

D. OTTAWA 10.7 CM FLUXES FOR 08/1400Z, 08/1700Z AND 08/2000Z WERE 129, 130 AND 131, RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 09-11 MAY IS 130/132/135.

E. MAGNETIC A-FREDERICKSBURG FOR 07 MAY WAS 29. FOR 08 MAY ABOUT 12. PREDICTED AP FOR 09-11 MAY, 11/10/17.

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