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KMSC

HAUS BOU 040400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 739A ISSUED 0400Z 04 SEPT 1970

AT LEAST ONE ENERGETIC FLARE IS EXPECTED FROM THE N17E13 REGION DURING THE NEXT 24 HOURS.

A. ABOUT 30 CLASS C FLARES WERE REPORTED YESTERDAY AND ONLY TWO RANKED AS SMALL M EVENTS. FOR THE MOST PART THIS ACTIVITY ORIGINATED FROM THE FOLLOWING GROUPS CLN N23W10, B/10; N19W05, C/60; N17E13, E/920; AND N23E68, C/70. BOTH LIMBS AND THE DISK ARE EXTREMELY QUIET AT THIS TIME. DEVELOPMENT IS MOST EVIDENT WITHIN THE MASSIVE N17E13 FEATURE WHERE ONE LINE OF SMALL INDIVIDUAL FOLLOWER SPOTS IS SHOWING SIGNS OF PENUMBRAL GROWTH. MOREOVER, SOME OF THE LEADER'S SATELLITE SPOTS ARE DEVELOPING. THE HYDROGEN PLAGE HERE IS THE BRIGHTEST ON THE DISK, HOWEVER, ITS SIZE AND CONFIGURATION DO NOT SET APART THIS GROUP SO DISTINCTLY AS DOES ITS OUTLINE IN WHITE LIGHT.

B. THE LARGE NE CENTER LENDS FURTHER CREDENCE TO THE THEORY THAT SIZE ALONE DOES NOT GUARANTEE NUMEROUS ENERGETIC FLARES. MAGNETIC FIELD GRADIENTS HAVE INTENSIFIED WITHIN THE STRUCTURE DURING THE LAST 24 HOURS IMPLYING A PERIOD OF INCREASED ACTIVITY IS IMMINENT.

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

CLASS M OR GREATER 85/85/85

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 03/1700Z AND 03/2000Z WERE 162 AND 161 RESPECTIVELY.

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HAUS BOU 041710Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 739B ISSUED 1700Z 04 SEP 1970

ENERGETIC ACTIVITY IS EXPECTED TO BEGIN AT N17E06 SITE DURING THE NEXT 11 HOURS.

A. ONLY RELATIVELY NON-ENERGETIC SOLAR ACTIVITY CONSISTING PRIMARILY OF CLASS-C SUBFLARES HAS BEEN REPORTED DURING THE PAST 13 HOURS, EXCEPT FOR A POSSIBLE CLASS-M SUB-BRILLIANT FLARE THAT OCCURRED AT 04/1615Z FROM N20W16. THE DOMINANT FEATURE ON THE DISK PRESENTLY IS THE E/1030 REGION AT N17E06, THIS REGION IS INCREASING IN SIZE AND COMPLEXITY. PENUMBRAL GROWTH HAS OCCURRED IN THE TRAILER PORTION OF THE REGION AND ALSO AROUND SOME SMALL SATELLITE SPOTS NORTHWEST OF THE MAIN LEADER PENUMBRA. OTHER DISK FEATURES HAVE SHOWN RELATIVELY LITTLE RECENT DEVELOPMENT. THE GEOMAGNETIC FIELD HAS BEEN IN A SOMEWHAT UNSETTLED CONDITION DURING THE PAST 24 HOURS.

B. ENERGETIC FLARES ARE EXPECTED TO OCCUR IN THE DEVELOPING N17E06 REGION DURING THE FORECAST PERIOD; THERE IS ALSO A MODERATE CHANCE THAT SPORADIC ENERGETIC FLARES MAY BE PRODUCED BY THE REGIONS NEAR N19W11 AND N21W24. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SLIGHTLY UNSETTLED.

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

CLASS M OR GREATER 90/90/90

CLASS X 15/20/15

PROTON EVENTS 05/08/10

D. OTTAWA 10.7 CM FLUX FOR 04/1400Z WAS 162. PREDICTED 10.7 CM FLUX FOR 05-07 SEP IS 168/170/170.

E. MAGNETIC A-FREDERICKSBURG FOR 03 SEP WAS 13. FOR 04 SEP ABOUT 11. PREDICTED AP FOR 05-07 SEP, 12/10/10.

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