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KMSC

HAUS BOU 070415Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 711A ISSUED 0400Z 07 AUG 1970

THE NEXT 13 HOURS SHOULD BE CHARACTERIZED BY INFREQUENT CLASS-C FLARES.

A. APPROXIMATELY SIX SUBFLARES (CLASS-C) WERE REPORTED YESTERDAY WITH THE MAJORITY OF THESE MINOR ERUPTIONS OCCURRING WITHIN THE N18E32 BIPOLAR GROUP. THE PLAGE OF THIS REGION AS WELL AS THOSE OF THE OTHER FIVE DISK FEATURES REMAIN UNIMPRESSIVE. FURTHERMORE, RADIO OBSERVATIONS AT 9.1 CM AND 8.6MM INDICATE LITTLE SIGNIFICANT CHANGE ANYWHERE ON THE DISK. A SMALL SB FLARE WHICH MIGHT RATE AS AN M EVENT BEGAN 07/0235Z NEAR S06E20. THE 23-MINUTE FLARE WAS ACCCOMPANIED BY TRIVIAL RADIO WAVELENGTH EMISSIONS. THE EARTH'S MAGNETIC FIELD IS UNDISTURBED.

B. NO ENERGETIC FLARES ARE EXPECTED TO OCCUR DURING THE NEXT THREE DAYS. THE GEOMAGNETIC FIELD SHOULD BE SUBJECT TO SOME MINOR FLUCTUATIONS BEGINNING ABOUT 08/0900Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 AUG/0400Z ENDING 10 AUG/0400Z.

CLASS M OR GREATER 25/30/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 06/1700Z AND 06/2000Z WERE 124 AND 123 RESPECTIVELY.

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HAUS BOU 071700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 711B ISSUED 1700Z 07 AUG 1970

CLASS-C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 13 HOURS. CLASS-M SUBFLARES OCCURRED IN THE DEVELOPING REGION AT S06E13 AT 07/0237Z AND AT 07/0553Z. OCCASIONAL SUBFLARES HAVE BEEN OBSERVED IN THE REGIONS NEAR S06E13 AND N18E30. THE TOTAL LONGITUDINAL EXTENT OF THE N18E30 REGION HAS INCREASED TO APPROXIMATELY 12 DEGREES, AND AN APPENDAGE WITH ONE SPOT HAS GROWN AT THE SOUTHEASTERN EDGE OF THE LARGE TRAILER PENUMBRA; THIS N18E30 REGION PRESENTLY DOES NOT APPEAR TO POSSESS HIGH MAGNETIC GRADIENTS. THE S06E13 REGION NOW CONTAINS A SMALL D-TYPE SPOT GROUP WITH AN AREA OF APPROXIMATELY 40 MILLIONTHS; BRIGHT, FLUCTUATING PLAGE AND IMBEDDED FILAMENTS PERSIST IN THIS REGION, ALTHOUGH SPOT GROWTH SEEMS TO HAVE SLOWED. ALL OTHER DISK REGIONS ARE STABLE OR DECLINING. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 24 HOURS.

B. CLASS-C FLARES ARE EXPECTED TO OCCUR AT THE N18E30 AND S06E13 SITES DURING THE FORECAST PERIOD; THERE IS A FAIR CHANCE THAT THE S06E13 REGION MAY PRODUCE A FEW SMALL CLASS-M FLARES IF DEVELOPMENT CONTINUES. THE GEOMAGNETIC FIELD IS EXPECTED TO SHOW OCCASIONAL PERIODS OF SLIGHT DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 AUG/1700Z ENDING 10 AUG/1700Z.

CLASS M OR GREATER 45/45/45

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 07/1400Z WAS 122.

PREDICTED 10.7 CM FLUX FOR 08-10 AUG IS 125/127/129.

E. MAGNETIC A-FREDERICKSBURG FOR 06 AUG WAS 07. FOR 07 AUG ABOUT 09 PREDICTED AP FOR 08-10 AUG, 06/06/06.

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