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HFUS BOU 250500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 237A ISSUED 0500Z 25 AUGUST 1971

DURING THE NEXT 24 HOURS ONE M EVENT AT MOST IS ANTICIPATED. CLASS C FLARES ARE EXPECTED TO OCCUR ABOUT ONCE EVERY OTHER HOUR.

A. OVERALL DISK ACTIVITY HAS BEEN MINIMAL. NON-ENERGETIC FLARES CONTINUE WITH DECREASING FREQUENCY THROUGHOUT THE 10 OR MORE DEGREES OF PLAGE CONNECTING REGION 235S (S11W18) EXTENSIVE LEADER AND FOLLOWER. IN WHITE LIGHT SIGNS OF DECAY ARE EVIDENT, WHILE AT RADIO WAVELENGTHS FURTHER INTENSIFICATION APPEARS TO BE THE CASE. A BROADBAND CONTINUUM WAS OBSERVED ALL DAY ON THE UNIVERSITY OF COLORADOS SWEEP FREQUENCY INTERFEROMETER WITH PARTICULARLY STRONG (IMPORTANCE 3) EMISSION NOTED BETWEEN 24/1254 AND 1610Z FROM 17 TO 80 MHZ. ON THE STANFORD 9.1 CM RADIO MAP AN UNUSUALLY LARGE ENHANCEMENT OVER YESTERDAY WAS ALSO APPARENT, NAMELY, A RISE OF APPROXIMATELY 500 THOUSAND DEGREES K. THE DEVELOPING REGION NEAR N14W38 (NR 233) BEARS MENTION, AS IT WILL NO DOUBT MAKE A SIGNIFICANT CONTRIBUTION TO TODAYS ACTIVITY LOG. AT LAST REPORT THIS SPOT GROUP WAS CLASSIFIED AS A TYPE B OF 30 MILLIONTHS AREA. QUIET GEOMAGNETIC CONDITIONS PREVAIL.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 AUG/0000Z ENDING 27 AUG/2400Z

CLASS M OR GREATER 75/75/75

CLASS X 20/20/20

PROTON EVENTS 20/20/20

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B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 AUG/0000Z ENDING 27 AUG/2400Z

CLASS M OR GREATER 75/75/75

CLASS X 20/20/20

PROTON EVENTS 20/20/20

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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 237B ISSUED 2200Z 25 AUG 1971

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE POSSIBLE.

A. ONLY MINOR SUBFLARES HAVE BEEN OBSERVED-MOST OF THEM IN REGION 235 /S11W29/. THIS REGION HAS SHOWN LITTLE CHANGE THE PAST 24 HOURS. THE WHITE LIGHT SPOTS HAVE DECLINED SLIGHTLY IN STRUCTURE AND MOST RADIO INTERFEROMETRIC MEASUREMENTS SHOW A CONTINUING MONOTONIC TEMPERATURE DECREASE OVER THE REGION AND THE DEKAMETRIC NOISE STORM HAS LESSENER IN INTENSITY. NO NEW SPOTS OR OTHER PERTURBATING FACTORS HAVE BEEN SEEN. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

B. NO ANOMALOUS DEVELOPMENTS ARE EXPECTED IN THE NEXT 24 HOURS IN REGION 235. THE REST OF THE DISK IS EXPECTED TO BE QUIET. THE GEOMAGNETIC FIELD SHOULD BE MOSTLY QUIET WITH UNSETTLED PERIODS ESPECIALLY DURING LOCAL NIGHT TIME HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 AUG/0000Z ENDING 28 AUG/2400Z.

CLASS M OR GREATER 75/75/75

CLASS X 15/15/15

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUXES FOR 25/1400Z, 25/1700Z AND 25/2000Z WERE 144, 140 AND 140 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 26-28 AUG IS 138/137/135.

E. MAGNETIC A-FREDERICKSBURG FOR 24 AUG WAS 10. FOR 25 AUG ABOUT 06. PREDICTED AP FOR 26-28 AUG, 05/05/05.

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