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HFUS BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 068 ISSUED 2200Z 08 MARCH 1972

CLASS M ACTIVITY EXPECTED.

A. ENERGETIC FLARE ACTIVITY CONTINUES FROM REGION 086 AT S07W13. THIS REGION PRODUCED A CLASS C-6 EVENT AT 08/0140Z, A CLASS M-1 AT 08/0405Z AND A CLASS M-3 AT 08/0650Z. ALTHOUGH SEEING HAS BEEN POOR, IT DOES NOT APPEAR THAT THE DELTA CONFIGURATION REPORTED YESTERDAY IS STILL PRESENT. HOWEVER, NEW SPOTS HAVE FORMED SOUTH OF THE LARGE TRAILER SPOT INDICATING THAT NEW FIELDS ARE STILL EMERGING. A FAIRLY LARGE SPOT GROUP /NEW REGION 093 AT N15E73/ HAS ROTATED ONTO THE DISK IN THE AREA WHICH WAS PRODUCING SURGE ACTIVITY YESTERDAY. THIS REGION HAS BEEN THE SOURCE OF NON-ENERGETIC SUBFLARE ACTIVITY. FOLLOWING THE END OF THE MINOR GEOMAGNETIC STORM AT 07/1300Z, THE GEOMAGNETIC FIELD HAS BEEN QUIET EXCEPT FOR UNSETTLED CONDITIONS BETWEEN 1500-1800Z.

B. CLASS C AND M ACTIVITY IS EXPECTED TO CONTINUE FROM REGION 086. SATELLITE AND GROUND BASED DATA INDICATE THAT AN INTER-PLANETARY SECTOR BOUNDARY SWEEP PAST THE EARTH EARLY TODAY. ALTHOUGH THIS IS NOT EXPECTED TO PRODUCE A LARGE GEOMAGNETIC RESPONSE, PERIODS OF UNSETTLED CONDITIONS CAN BE EXPECTED DURING THE NEXT 24 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 MAR/0000Z ENDING 11 MAR/2400Z.

CLASS M OR GREATER 90/90/90

CLASS X 15/10/10

PROTON EVENT 20/20/20

D. OTTAWA 10.7 CM FLUXES FOR 08/1400Z, 1700Z AND 2000Z WERE 146, 144 AND 142. PREDICTED 10.7 CM FLUXES FOR 09-11 MAR ARE 142/142/142.

E. MAGNETIC A-FREDERICKSBURG FOR 07 MAR WAS 28. FOR 08 MAR ABOUT 11. PREDICTED AP FOR 09-11 MARCH ARE 10/12/20.

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