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HFUS BOU 130500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 256A ISSUED 0500Z 13 SEPT 1971

CLASS M FLARES FROM THE SE LIMB ARE POSSIBLE DURING THE NEXT 24 HOURS.

A. AN EXTREMELY LOW LEVEL OF ACTIVITY PERSISTS ACROSS THE DISK. THE ONLY REGION POSSESSING A HINT OF DETAILED STRUCTURE IN BALMER ALPHA IS 261 NEAR S15W00. ESSENTIALLY CONTINUOUS SURGE ACTIVITY UP TO IMPORTANCE ONE REMAINS IN EVIDENCE ALONG THE SE LIMB /ABOUT S15 TO 18/. HOWEVER, NEITHER PLAGE NOR SPOTS ARE VISIBLE AT THIS POINT. SCATTERED, FAINT PLAGE SEGMENTS ARE ROTATING INTO VIEW NEAR N05 AND N13. THE GEOMAGNETIC FIELD WAS QUIET UP TO ABOUT 13/0150Z. A LARGE NEGATIVE BAY ON THE D TRACE, PRODUCING LOCALLY A K OF FIVE, HAS SINCE BEEN THE DOMINANT EXCURSION ON ALL THREE COMPONENTS.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 SEPT/0000Z ENDING 15 SEPT/2400Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 05/05/05

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HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 256B ISSUED 2200Z 13 SEPTEMBER 1971

ONE TO TWO CLASS M EVENTS ARE EXPECTED FROM THE SE LIMB DURING THE NEXT 24 HOURS.

A. THE NUMBER OF SUBFLARES HAS INCREASED BUT THEY HAVE BEEN PRIMARILY NON-ENERGETIC. ONE SUB-BRIGHT FLARE AT 13/0831Z IN REGION 263 /S13E75, OLD REGION 235/ WAS BORDERLINE CLASS M1. REGIONS 263 AND 266 /S11E84/, WHICH MAY TURN OUT TO BE THE TRAILER OF 263, ARE THE DISK FEATURES MOST LIKELY TO PRODUCE SIGNIFICANT ACTIVITY. THESE REGIONS ARE TOO CLOSE TO THE LIMB FOR EFFECTIVE EVALUATION, BUT NEW SPOTS APPEAR TO HAVE EMERGED IN 263 DURING THE LAST TEN HOURS. LOCAL MEASUREMENTS OF THE POLARIZATION OF THESE REGIONS AS SEEN AT A WAVELENGTH OF 3CM INDICATE THAT ONE OR BOTH ARE STILL POTENT AND DESERVING OF RESPECT. THE GEOMAGNETIC FIELD WAS ACTIVE 13/0000-0900Z AND QUIET SINCE 13/0900Z.

B. ENERGETIC ACTIVITY IS EXPECTED FROM REGION 263/266 DURING THE NEXT 72 HOURS. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED DURING LOCAL NIGHT.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 SEPT/0000Z ENDING 16 SEPT/2400Z. CLASS M OR GREATER 50/60/70

CLASS X 05/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7CM FLUXES FOR 13/1400Z, 13/1700Z AND 13/2000Z WERE 97, 98 AND 98 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 14-16 SEPT IS 105/110/115.

E. MAGNETIC A-FREDERICKSBURG FOR 12 SEPT WAS 09. FOR 13 SEPT ABOUT 20. PREDICTED AP FOR 14-16 SEPT IS 15/12/10.

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