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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 EVALUTAION, 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. UNSETLED 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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