

HFUS BOU 200500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 263A ISSUED 0500Z 20 SEPT 1971

CLASS M EVENTS ARE POSSIBLE DURING THE NEXT 24 HOURS.

A. SINCE OUR 19/2200Z MESSAGE SOLAR ACTIVITY HAS CONSISTED OF
PLAGE BRIGHTENINGS IN REGION 263/266 /S11W13/ AND SURGES,
SOME OF WHICH HAVE APPROACHED IMPORTANCE 2, FROM REGION 261
/S15, 7 DEGREES BEHIND WEST LIMB/. BRIGHT AND COMPACT
PLAGE IS ROTATING ONTO THE DISK NEAR N08 BUT NO SPOTS ARE
YET VISIBLE. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST
7 HOURS.

B. NO CHANGE.

C. NO CHANGE.

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HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 263B ISSUED 2200Z 20 SEPT 1971

NO FLARES MORE ENERGETIC THAN CLASS M2 ARE EXPECTED DURING THE NEXT 24-HOUR FORECAST PERIOD.

A. THE OVERALL ACTIVITY LEVEL HAS CHANGED LITTLE SINCE YESTERDAY. THE MOST ACTIVE DISK FEATURE TODAY HAS BEEN REGION 262 /N13W37/ RATHER THAN 263 /S11W20/, UNDOUBTEDLY AS A RESULT OF THE GROWTH TAKING PLACE WITHIN ITS BORDERS. UNSETTLED CONDITIONS PREVAIL GEOMAGNETICALLY. LOCAL K INDICES HAVE BEEN PRIMARILY THREES ON THE HORIZONTAL TRACE.

B. THIS ACTIVITY LEVEL FROM REGIONS 262 AND 263 IS NOT EXPECTED TO INCREASE IN THE NEXT THREE DAYS. A RECURRENT MAGNETIC DISTURBANCE SHOULD BEGIN ON THE 22ND. BY 23 SEPT IT IS EXPECTED TO FALL WELL WITHIN THE MINOR STORM CLASS, I.E. A-INDEX BETWEEN 30 AND 50 FOR MAGNETIC LATITUDES NEAR 50 DEGREES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 21 SEPT/0000Z ENDING 23 SEPT/2400Z.

CLASS M OR GREATER 75/75/50

CLASS X 10/10/05

PROTON EVENTS 15/20/10

D. OTTAWA 10.7CM FLUXES FOR 20/1400Z, 20/1700Z AND 20/2000Z WERE 109, 109 AND 106 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 21-23 SEPT IS 106/106/103.

E. MAGNETIC A-FREDERICKSBURG FOR 19 SEPT WAS 08. FOR 20 SEPT ABOUT 14. PREDICTED AP FOR 21-23 SEPT IS 12/20/47.

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