

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 /S1IW13/ 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.
UNSETLED 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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