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HFUS BOU 190500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 200A ISSUED 0500Z 19 JULY 1971  
CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.  
A. REGIONS 164 (N07W06) AND 176 (N14E32) ARE STILL THE TWO MOST  
INTERESTING DISK FEATURES. REGION 164, ACCORDING TO MT. WILSON,  
DOES CONTAIN A WEAK DELTA CONFIGURATION IN THE CENTRAL PORTION.  
REGION 176 HAS SHOWN SOME GROWTH AND IS CLASSIFIED AS A BETA GAMMA  
GROUP. THE REST OF THE REGIONS ARE STABLE. THE GEOMAGNETIC FIELD  
HAS BEEN QUIET EXCEPT FOR AN UNSETTLED PERIOD FROM 19/0030-0130Z.  
B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT PRESENT LEVEL. THE  
GEOMAGNETIC FIELD WILL REMAIN QUIET WITH SHORT PERIODS OF MINOR  
DISTURBANCE.  
C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 19 JULY/0000Z ENDING 21 JULY/2400Z  
CLASS M OR GREATER 40/40/40  
CLASS X 02/02/02  
PROTON EVENTS 01/01/01  
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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 200B ISSUED 2200Z 19 JULY 1971

SMALL CLASS M EVENTS ARE EXPECTED WITHIN THE NEXT 24 HOURS.

A. ONLY CLASS C SUBFLARES HAVE BEEN OBSERVED DURING THE PAST 24 HOURS. THREE NEW ACTIVE REGIONS HAVE EMERGED IN CLOSE PROXIMITY TO OLDER REGIONS IN THE PAST TWO DAYS. REGION 179 /N08E12/ HAS EMERGED IN THE PAST 24 HOURS AND DEVELOPED RAPIDLY TO A D-TYPE SPOT GROUP WITH AN ACTIVE PLAGE WHICH IS CURRENTLY THE BRIGHTEST DISK FEATURE. REGION 177 /N08W09/, FIRST OBSERVED 18 JULY, HAS ALSO CONTINUED TO GROW AND IS NOW CROWDING THE TRAILING PORTION OF DECAYING REGION 164 /N08W21/. REGION 176 /N13E20/, FIRST OBSERVED ON 18 JULY, IS DEVELOPING AND MAY CONTAIN SOME MINOR MAGNETIC COMPLEXITY. THE GEO-MAGNETIC FIELD WAS UNSETTLED 19/0000-0600Z.

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE AS THE REGIONS IN THE NORTHERN HEMISPHERE CONTINUE TO DEVELOP AND POSSIBLY INTERACT WITH ONE ANOTHER. A RECURRENT GEOMAGNETIC DISTURBANCE IS EXPECTED TO BEGIN ON 22 JULY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 JULY/0000Z ENDING 22 JULY/2400Z.

CLASS M OR GREATER 40/45/50

CLASS X 01/02/05

PROTON EVENTS 01/02/02

D. OTTAWA 10.7CM FLUXES FOR 19/1400Z AND 19/1700Z WERE BOTH 125. PREDICTED 10.7CM FLUX FOR 20-22 JULY IS 128/131/133.

E. MAGNETIC A-FREDERICKSBURG FOR 18 JULY WAS 09. FOR 19 JULY ABOUT 10. PREDICTED AP FOR 20-22 JULY IS 07/07/15.

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