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HFUS BOU 290500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 210A ISSUED 0500Z 29 JULY 1971

CLASS M FLARES PROBABLE DURING THE NEXT 24 HOURS.

A. THE FLURRY OF SUBFLARES IN THE SE COMPLEX, REGIONS 197 (S15E18) AND 203 (S13E18), WAS CULMINATED BY A SB FLARE CLASS M1, AT 2110Z. THIS FLARE PRODUCED MODERATE COMPLEX BURST IN FULL RADIO SPECTRUM WITH IMP 3 SWF AND IMP 2 SPA BELOW 25 MHZ. ANOTHER SUNSPOT HAS EMERGED AT S18 E19 IN THE SE PLAGE COMPLEX. THE GEOMAGNETIC FIELD IS QUIET.

B. NO CHANGE

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 JULY/0000Z ENDING 31 JULY/2400Z.

CLASS M OR GREATER 60/75/75

CLASS X 05/08/10

PROTON EVENTS 02/03 05

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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 210B ISSUED 2200Z 29 JULY 1971

A SMALL CLASS M FLARE IS ANTICIPATED DURING THE NEXT 24 HOURS.

A. DURING THE PAST 17 HOURS, NINE CLASS C SUBFLARES HAVE BEEN REPORTED. THE MOST ENERGETIC OF THESE CONSISTED OF A CLASS C8 SUB-BRILLIANT EVENT AT 29/0648Z IN REGION 197 /S13E09/. REGION 197 HAS DECLINED IN H-ALPHA AND HAS EXHIBITED LITTLE RECENT STRUCTURAL CHANGE. REGION 199 /N08E52/ HAS EXHIBITED OCCASIONAL CHROMOSPHERIC BRIGHTENINGS BUT HAS NOT DEVELOPED SIGNIFICANTLY. OTHER CENTERS ARE RELATIVELY UNIMPRESSIVE. QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST 17 HOURS.

B. SOLAR ACTIVITY PROBABLY WILL DECLINE GRADUALLY DURING THE NEXT THREE DAYS. ONE OR TWO SMALL CLASS M FLARES ARE LIKELY IN REGIONS 197 AND 199. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 JULY/0000Z ENDING 01 AUG/2400Z.

CLASS M OR GREATER 60/50/45

CLASS X 05/05/05

PROTON EVENTS 02/03/04

D. OTTAWA 10.7 CM FLUXES FOR 29/1400Z, 29/1700Z AND 29/2000Z WERE 112, 111 AND 110 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 30 JULY-01 AUG IS 115/117/116.

E. MAGNETIC A-FREDERICKSBURG FOR 28 JULY WAS 05. FOR 29 JULY ABOUT 02. PREDICTED AP FOR 30 JULY-01 AUG, 09/08/07.

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