

KBOU

HFUS BOU 020500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 214A ISSUED 0500Z 2 AUGUST 1971

OCCASIONAL CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. REGION 209 (S26E38) HAS BEEN CLASSIFIED MAGNETICALLY AS A DELTA CONFIGURATION BY MT. WILSON. SLOW GROWTH CONTINUES. FLARE RATE SHOULD INCREASE IF REGION CONTINUES GROWTH. REGION 211 (S07E62) CONTINUES GROWTH WITH A SUNSPOT GROUP OF DRO BY 0130Z. THE GEOMAGNETIC FIELD BECAME UNSETTLED AT 2240Z. THE K-INDEX FOR 00-03Z WAS 4. HOWEVER FOR THE PERIOD 0240-0310Z, THE D-COMPONENT HAD A DEVIATION OF 94 GAMMAS (K - 5).

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED FOR THE NEXT 24 HOURS WITH SHORT PERIODS OF SUB-STORM INTENSITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 AUG/0000Z ENDING 04 AUG/2400Z

CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 214B ISSUED 2200Z 02 AUG 1971

OCCASIONAL CLASS C FLARES EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY REMAINS LOW. REGION 209 /S26E29/ HAS MIXED POLARITY SPOTS, THE PLAGE IS FREQUENTLY NEAR FLARE BRIGHTNESS AND THE REGION IS SMALL AND NOT GROWING. A LONG ACTIVE FILAMENT HAS ATTACHED ITSELF TO 209 LEADING OUT TO THE SE. THE TWO LARGE SPOTS OF REGION 197 /S12W45/ AFTER ROTATING CLOCKWISE FOR SEVERAL DAYS HAVE STARTED TO SEPARATE. THE PLAGE HAS DIMMED IN 197 AND ACTIVITY HAS SUBSIDED. THE GEOMAGNETIC FIELD WAS UNSETTLED BETWEEN 02/0000Z AND 02/0900Z CAUSED BY A SECTOR BOUNDARY PASSAGE MOST LIKELY. SOME SURGING AT SE 05-07 INDICATES A RETURNING REGION.

B. SOLAR ACTIVITY IS NOT EXPECTED TO CHANGE. REGION 209 ALONG WITH THREE OR FOUR OTHER SMALL REGIONS WILL PRODUCE OCCASIONAL SUBFLARES. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 AUG/0000Z ENDING 05 AUG/2400Z.

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 02/1400Z, 02/1700Z AND 02/2000Z WERE 105, 106 AND 104 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 03-05 AUG IS 105/105/105.

E. MAGNETIC A-FREDERICKSBURG FOR 01 AUG WAS 05. FOR 02 AUG ABOUT 18. PREDICTED AP FOR 03-05 AUG IS 08/07/05.

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