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HFUS BOU 040500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 216A ISSUED 0500Z 04 AUG 1971

CLASS C FLARES ARE ANTICIPATED DURING THE NEXT 24 HOURS.

A. ONLY A FEW CLASS C FLARES HAVE BEEN REPORTED DURING THE PAST SEVEN HOURS, AND RELATIVELY LITTLE CHANGE HAS OCCURRED IN ANY OF THE REGIONS ON THE DISK. REGION 212 /S09E74/ HAS PRODUCED FREQUENT PLAGE BRIGHTENINGS AND SEVERAL RELATIVELY NON-ENERGETIC FLARES. NO RECENT SIGNIFICANT DEVELOPMENT HAS OCCURRED IN REGION 209 /S26E11/. OTHER CENTERS ARE UN-IMPRESSIVE. QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST SEVEN HOURS.

B. LITTLE CHANGE IN THE AVERAGE LEVEL OF SOLAR ACTIVITY IS EXPECTED DURING THE NEXT THREE DAYS. REGION 212 IS THE MOST LIKELY SOURCE FOR MINOR FLARE ACTIVITY. QUIET GEOMAGNETIC CONDITIONS PROBABLY WILL CONTINUE FOR AT LEAST 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 AUG/0000Z ENDING 06 AUG/2400Z.

CLASS M OR GREATER 40/40/40

CLASS X 02/02/02

PROTON EVENTS 01/01/02

D. OTTAWA 10.7CM FLUX FOR 03/2000Z WAS 103.

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HXUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 216B ISSUED 2200Z 04 AUG 1971

ONLY MINOR - CLASS C FLARES EXPECTED.

A. THE SE REGIONS /S09E63 AND S06E26/ HAVE PRODUCED MANY SMALL FLARES AT A RATE OF ONE PER HOUR. ONLY A FEW /AT 0155Z, 0622Z AND 1120Z/ HAVE REACHED TYPE C INTENSITIES. THE GEOMAGNETIC FIELD IS QUIET.

B. THE REGION NEAR S09E63 IS EXPECTED TO CONTINUE AS A SOURCE OF SMALL FLARES WITH ONE OR TWO CLASS M FLARES IN THE NEXT 3 DAYS. ALL OTHER REGIONS APPEAR STABLE. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 AUG/0000Z ENDING 08 AUG/0000Z.

CLASS M OR GREATER 40/40/40

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 04/1400Z AND 04/1700Z WERE 102 AND 103 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 05, 06 & 07 AUG IS 105/104/104.

E. MAGNETIC A-FREDERICKSBURG FOR 03 AUG WAS 04. FOR 04 AUG ABOUT 09 PREDICTED AP FOR 05, 06 & 07 AUG, 08/06/05.

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