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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 217A ISSUED 0500Z 05 AUG 1971

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

A. SOLAR ACTIVITY HAS DROPPED TO A VERY LOW LEVEL DURING THE PAST SEVEN HOURS, AND NO FLARES HAVE BEEN REPORTED. REGION 212 (S09E56) IS STILL THE MOST IMPRESSIVE DISK FEATURE.

SMALL DARK FILAMENTS HAVE DEVELOPED RECENTLY IN REGION 212, AND SOME PLAGE DEVELOPMENT HAS OCCURRED THERE ALSO. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. UNSETTLED GEOMAGNETIC CONDITIONS HAVE DEVELOPED GRADUALLY DURING THE PAST SEVEN HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY PROBABLY WILL REMAIN AT A RELATIVELY LOW LEVEL. REGION 212 IS EXPECTED TO BE THE MOST ACTIVE DISK FEATURE AND MAY PRODUCE ONE OR TWO SMALL CLASS M FLARES. UNSETTLED GEOMAGNETIC CONDITIONS PROBABLY WILL CONTINUE FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 AUG/0000Z ENDING 07AUG/2400Z.

CLASS M OR GREATER 40/40/40

CLASS X 02/02/02

PROTON EVENT 01/01/01

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HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 217B ISSUED 2200Z 05 AUG 1971

CLASS M FLARE PROBABLE WITHIN 24 HOURS, FROM SE REGION.

THE SE REGION (S09E50) HAS BEEN JOINED BY A NEW REGION

(S11E58) WHICH HAS A VERY BRIGHT AND COMPACT

PLAGE. THESE TWO REGIONS ARE DOMINANT DISK FEATURES.

THEY HAVE PRODUCED MANY SUBFLARES (AVERAGE ONE PER HOUR)

SINCE PASSING ONTO THE DISK. NO SIGNIFICANT FLARES

HAVE OCCURRED TODAY. THE GEOMAGNETIC FIELD IS SLIGHTLY

DISTURBED.

B. THE SE REGIONS APPEAR TO BE THE PROBABLE SOURCE OF LARGER FLARES

DURING THE NEXT 3 DAYS. CONTINUED GROWTH AND SUBSEQUENT MERGING

WOULD MAKE THESE REGIONS MAGNETICALLY COMPLEX AND LEAD TO MORE

ENERGENIC FLARES. GEOMAGNETIC CONDITIONS SHOULD CONTINUE

TO BE SLIGHTLY UNSETTLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR

PERIODS BEGINNING 06 AUG/0000Z ENDING 09 AUG/0000Z.

CLASS M OR GREATER 50/60/60

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 05/1400Z, 05/1700Z AND 05/2000Z

WERE 104, 104 AND 101 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 06, 07 AND 08 AUG IS 100/103/105.

E. MAGNETIC A-FREDERICKSBURG FOR 04 AUG WAS 09. FOR 05 AUG

ABOUT 10 PREDICTED AP FOR 06, 07 AND 08 AUG, 10/10/10.

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