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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 298 ISSUED 2200Z 25 OCT 1971

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

A. ONLY A FEW NON-ENERGETIC SUBFLARES HAVE BEEN REPORTED DURING THE PAST 24 HOURS. REGION 306 /NO9W54/ IS STILL THE MOST IMPRESSIVE DISK FEATURE BUT HAS SHOWN LITTLE RECENT CHANGE. ACCORDING TO THE MOUNT WILSON OBSERVATORY, A SMALL SPOT OF FOLLOWER POLARITY IS LOCATED NEAR THE NORTHEASTERN CORNER OF THE MAIN LEADER PENUMBRA OF REGION 306. AN H-TYPE SPOT ACCOMPANIED BY DULL PLAGE IS LOCATED AT N11E76 /REGION 315/. REGION 313 /N12E26/ HAS DEVELOPED SLOWLY IN H-ALPHA AND WHITE LIGHT BUT STILL EXHIBITS A SIMPLE BIPOLAR STRUCTURE. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST 24 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY GENERALLY WILL REMAIN AT A LOW LEVEL. ONE OR TWO ENERGETIC EVENTS PROBABLY WILL OCCUR IN REGION 306 DURING THE FIVE-DAY INTERVAL BEFORE THAT REGION IS SHIELDED BEHIND THE WEST LIMB, AND A MINOR PARTICLE EVENT MAY ACCOMPANY ONE OF THESE ANTICIPATED EVENTS. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED DURING THE NEXT 48-72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 OCT/0000Z ENDING 28 OCT/2400Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUXES FOR 25/1400Z, 25/1700Z AND 25/2000Z WERE 129, 126 AND 124 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 26-28 OCT IS 125/122/120.

E. MAGNETIC A-FREDERICKSBURG FOR 24 OCT WAS 12. FOR 25 OCT ABOUT 05. PREDICTED AP FOR 26-28 OCT, 08/08/06.

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