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HXUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 306 ISSUED 2200Z 02 NOV 1971

FREQUENT CLASS C FLARES EXPECTED.

A. SEVERAL CLASS C FLARES WERE OBSERVED IN REGIONS 320 /S09E40/ AND 312 /S06 WEST LIMB/. NEW REGION NUMBER 327 IS GROWING AT N11E50. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. MINOR FLARES ARE EXPECTED FROM REGION 320 RANGING TO ISOLATED CLASS M1 OR M2. REGION 322 /S10E52/ APPEARS CAPABLE OF BE DEVELOPING INTO AN ENERGETIC FLARE SOURCE IN 2-3 DAYS. REGION 327 IS NOT EXPECTED TO PRODUCE ENERGETIC FLARES DURING DISK PASSAGE. THE GEOMAGNETIC FIELD WILL BE QUIET TO SLIGHTLY UNSETTLED.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 NOV/0000Z ENDING 05 NOV/2400Z.

CLASS M OR GREATER 25/27/30

CLASS X 01/01/01

PROTON EVENT 02/02/01

D. OTTAWA 10.7 CM FLUXES FOR 02/1400Z 1700Z AND 2000Z WERE 114, 114 AND 113. PREDICTED 10.7 CM FLUXES FOR 03-05 NOV ARE 115/115/115.

E. MAGNETIC A-FREDERICKSBURG FOR 01 NOV WAS 05. FOR 02 ABOUT 02

PREDICTED AP FOR 03-05 NOV ARE 07/05/10.

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BT.