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HFUS BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 027 ISSUED 2200Z 27 JAN 1972

- A. SOLAR ACTIVITY IS CURRENTLY AT A LOW LEVEL. SUBFLARE ACTIVITY FROM REGION 026 /N15E34/ HAS DECREASED DURING THE PAST 24 HOURS AS THIS REGION HAS SIMPLIFIED IN STRUCTURE. REGION 015 IS NOW ROTATING OVER THE WEST LIMB AT 155. OPTICAL SURGE ACTIVITY NORMAL WITH A REGION THIS SIZE HAS BEEN OBSERVED IN ASSOCIATION WITH THE LIMB PASSAGE OF REGION 015. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. A SLOWLY VARYING BUT LARGE DECREASE IN THE HORIZONTAL COMPONENT WAS OBSERVED AT BOULDER BETWEEN 1700Z AND 2000Z /26 JAN/.
- B. A LOW TO MODERATE LEVEL OF ACTIVITY IS EXPECTED DURING THE NEXT THREE DAYS. OCCASIONAL CLASS C OR SMALL CLASS M ARE THE LARGEST X-RAY EVENTS EXPECTED. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME QUIET.
- C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 JAN/0000Z ENDING 30 JAN/2400Z.
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|--------------------|----------|
| CLASS M OR GREATER | 40/40/40 |
| CLASS X            | 01/01/01 |
| PROTON EVENT       | 05/01/01 |
- D. OTTAWA 10.7CM FLUXES FOR 27/1400Z 1700Z AND 2000Z WERE 123, 123 AND 122. PREDICTED 10.7CM FLUXES FOR 28-30 JAN ARE 119/117/115.
- E. MAGNETIC A-FREDERICKSBURG FOR 26 JAN WAS 17. FOR 27 JAN ABOUT 14. PREDICTED AP FOR 28-30 JAN ARE 8/5/5.

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