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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 022 ISSUED 2200Z 22 JAN 1972

A. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. THE MOST ACTIVE REGION HAS BEEN 015 (S15W34) WITH ITS DELTA CONFIGURATION AND REVERSED POLARITIES.

THE SIMPLE BIPOLAR REGION 020 (S16W51) HAS PRODUCED TWO SUBFLARES AND STILL RETAINS ITS REVERSED POLARITY. REGION 017 (N16W42) HAS PRODUCED ONE SUBFLARE. AN M7 EVENT WAS REPORTED BY BOTH VELA AND SOLRAD 9 BUT NO CORRESPONDING FLARE HAS BEEN REPORTED.

THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THE PAST 24 HOURS.

B. EXPECT REGION 015 TO REMAIN THE MOST ACTIVE REGION PRODUCING AN OCCASIONAL SUBFLARE (ABOUT ONE PER DAY). REGION 020 SHOULD ALSO PRODUCE OCCASIONAL SUBFLARES WITH THE POSSIBILITY OF AN ENERGETIC FLARE. THE BIPOLAR REGION 017 SHOULD HAVE ONLY MINOR SUBFLARES. EXPECT THE GEOMAGNETIC FIELD TO BECOME UNSETTLED THE NEXT 24 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 JAN/0000Z ENDING 25 JAN/2400Z.

CLASS M OR GREATER 80/80/70

CLASS X 15/15/10

PROTON EVENT 20/20/15

D. OTTAWA 10.7 CM FLUXES FOR 22/1400Z, 1700Z AND 2000Z WERE 134, 133 AND 134. PREDICTED 10.7 CM FLUXES FOR 23-25 JAN ARE 130/127/120.

E. MAGNETIC A-FREDERICKSBURG FOR 21 JAN WAS 16. FOR 22 JAN ABOUT 15. PREDICTED AP FOR 23-25 JAN ARE 12/08/05.

SOLTERWARN

SPAN

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