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HFUS BOU 242215

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 024 ISSUED 2200Z 24 JAN 1972.

FREQUENT SUBFLARES EXPECTED WITH ISOLATED ENERGETIC EVENTS POSSIBLE.

A. SOLAR ACTIVITY HAS CONSISTED OF RATHER FREQUENT SUBFLARES FROM SCATTERED REGIONS WITH THREE MINOR X-RAY EVENTS FROM REGIONS 015 /S16W56/ AT ABOUT 1145, 1445, AND 1555 U.T., AND A VERY SMALL X-RAY EVENT FROM REGION 025 /S13E56/ AT 0834 U.T.

MT WILSON AGAIN OBSERVES A DELTA CONFIGURATION IN COMPLEX /BETA-GAMMA/ REGION 015 AND THE ASSOCIATED FILAMENT IS OCCASIONALLY OBSERVED TO BE QUITE ACTIVE. A NEW SPOT GROUPS IS RAPIDLY DEVELOPING NEAR S13W04 /REGION 027/ AND A SMALL GROUP NEAR S12W15 /RGN 023/ IS EXPECTED TO GROW SIGNIFICANTLY DURING THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD HAS BEEN INTERMITTENTLY DISTURBED.

B. REGION 015 IS EXPECTED TO PRODUCE CLASS M FLARES AT A RATE OF ONE OR TWO PER DAY. THE THREE SMALL REGIONS NEAR CM IN THE SOUTHERN HEMISPHERE SHOULD DEVELOP SLOWLY BUT ONLY YIELD MINOR ACTIVITY. REGION 025 IS SIMPLE MAGNETICALLY BUT MAY PRODUCE AN ISOLATED MINOR X-RAY FLARE. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED TO DISTURBED.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 JAN/0000Z ENDING 27 JAN/2400Z.

CLASS M OR GREATER 75/75/65

CLASS X 15/15/10

PROTON EVENT 15/15/15

D. OTTAWA 10.7 CM FLUXES FOR 24/1400Z, 1700Z AND 2000Z WERE 143, 142 AND 145. PREDICTED 10.7 CM FLUXES FOR 25-27 JAN ARE 142/138/133.

E. MAGNETIC A-FREDERICKSBURG FOR 23 JAN WAS 19. FOR 24 JAN ABOUT 14. PREDICTED AP FOR 25-27 JAN ARE 12/14/14.

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