

NNNN

KBOU

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.

SOLTERWARN

SPAN

BT