

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 056 ISSUED 2200Z 25 FEB 1972
ISOLATED SMALL CLASS M EXPECTED.

A. THE RAPIDLY DECREASED SOLAR FLARE PRODUCTION RATE HAS PERSISTED WITH ONLY SPORADIC, GENERALLY NON-ENERGETIC SUBFLARES REPORTED DURING THE PAST 24 HOURS. THE NORTHWESTERN COMPLEX /066, 067, 069/ HAS CONTINUED ITS DECLINE IN SUNSPOT AREA AND IN H-ALPHA INTEREST BUT REMAINS SOMEWHAT COMPLEX MAGNETICALLY WITH DELTA CONFIGURATIONS OBSERVED IN BOTH 066 AND 067. REGION 070 /S15W07/ HAS FURTHER SIMPLIFIED BUT AN EMERGING BI-POLE /077, S09W15/ HAS APPEARED NEAR THE LARGE LEADER SPOT. A NEW, GENERALLY UNIMPRESSIVE REGION /S08E80/ PRODUCED MINOR LIMB ACTIVITY AS IT ROTATED ONTO THE DISK. MT WILSON HAS OBSERVED ONLY LEADING POLARITY SPOTS BUT FORESHORTENING MAY BE OBSCURING SMALL FOLLOWERS. THE GEOMAGNETIC FIELD, WHICH WAS ACTIVE, IS NOW UNSETLED.

B. ISOLATED CLASS M FLARES ARE STILL EXPECTED WITH REGIONS 066/067 AND AN ISOLATED CLASS X IS POSSIBLE. THE GEOMETRY REMAINS FAVORABLE FOR EARTH INTERCEPTION OF HIGH ENERGY PARTICLES IF PRODUCED BY THIS NORTHWESTERN COMPLEX. THE GEOMAGNETIC FIELD WILL BECOME MORE QUIET BUT WITH CONTINUED UNSETLED PERIODS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 FEB/0000Z ENDING 28 FEB/2400Z.

CLASS M OR GREATER 80/75/75

CLASS X 05/05/05

PROTON EVENT 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 25/1400Z, 1700Z AND 2000Z WERE 156, 155 AND 154. PREDICTED 10.7 CM FLUXES FOR 26-28 FEB ARE 150/145/135.

E. MAGNETIC A-FREDERICKSBURG FOR 24 FEB WAS 24. FOR 25 FEB ABOUT 13. PREDICTED AP FOR 26-28 FEB ARE 08/06/11.

SOLTERWARN

SAPN

BT