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Radiation Fields, Effects and Risks in Human Space Missions (5)

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STAYING BELOW RADIATION EXPOSURE LIMITS: MAXIMUM LEVELS OF SOLAR ENERGETIC PROTON EVENT FLUENCE

Abstract

Current radiation limits for NASA astronauts are provided to mitigate risks of developing a fatal cancer and to limit short term and non-cancer effects, preventing clinically significant degradation of crew performance, sickness or death. In order to limit the risk of developing a fatal cancer, effective doses, which are age and gender dependent, are limited to a 3