Low Altitude Flux and Dose Measurements During Two Solar Flare Events

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The dosimeter on board the low altitude polar orbiting DMSP/F7 satellite makes dose and flux measurements for electrons with energies greater than 1.0, 2.5, 5.0, and 10.0 MeV; and for protons with energies greater than 20, 35, 51, and 75 MeV. We illustrate the characteristics and performance of the dosimeter by presenting dose and flux data taken during the solar flare proton events of February 16 and April 26, 1984.