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Aircraft Ionizing Doses and Dose Rates from Radioactive Clouds and Fallout

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Abstract: Aircraft flying over surface areas contaminated by fallout from radioactive **clouds** from surface nuclear detonations accumulate ionizing doses. An investigation of this situation was accomplished, and the dose and dose rate resulting from such fly-overs are presented. The dose rates were also determined for aircraft approaching radioactive **clouds** and fallout contaminated surface areas. The results are presented in general terms, and examples are presented to illustrate the manner of applying the general results to specific situations.
(Author)

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