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Author(s) of Contribution:	BADHWAR, G.D.; YANG, T., AND ATWELL, W.
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Name of Convener:	J. Kiefer
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Abstract

Title (Capital e.g.: THE SUN

Letters):

SPACE RADIATION ABSORBED DOSE DISTRIBUTION IN A HUMAN PHANTOM

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Text of Abstract in The flight of a human phantom torso with head that containing active

plain ASCII:

dosimeters at 5 organ sites and 1400 TLDs distributed in 34 1" thick

(no

sections is described. Experimental dose rates and quality factors are

hyphenation

the end of any compared with calculations for shielding distributions at the sites

box!)

using the Computerized Anatomical Male (CAM) model. The measurements were complemented with those obtained from other instruments. These results have provided the most comprehensive data set to map the dose distribution inside a human and to assess the accuracy of radiation

transport models and astronaut radiation risk.

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