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I'm Ryan Norman, I'm a physicist at Langley Research Center studying Space Radiation.

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I am part of the Space Radiation Group.

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So we study the reactions of space radiation with shielding materials and vehicles and

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habitats and also with the human body.

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Space is filled with dangerous cancer causing radiation and we want to be sure that if we

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put people on the surface of Mars they are going to be safe and healthy.

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As a radiation physicist, I think the Curiosity Rover is pretty amazing.

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It has an instrument on it called RAD which is measuring the space radiation environment

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on the surface of Mars, which gives me very important data to understand how the radiation

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environment on the surface of Mars might impact a human.

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I think one of the grand challenges of the human race is space exploration.