

# Three generations of rovers with crouching engineers

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Credit: NASA/JPL-Caltech

(PhysOrg.com) -- Two spacecraft engineers join a grouping of vehicles providing a comparison of three generations of Mars rovers developed at NASA's Jet Propulsion Laboratory, Pasadena, Calif. The setting is JPL's Mars Yard testing area.

Front and center is the flight spare for the first Mars rover, Sojourner, which landed on Mars in 1997 as part of the Mars Pathfinder Project. On the left is a Mars Exploration Rover Project test rover that is a working sibling to Spirit and Opportunity, which landed on Mars in 2004. On the right is a Mars Science Laboratory [test rover](#) the size of that project's Mars rover, Curiosity, which is on course for landing on Mars in August 2012.

Sojourner and its flight spare, named Marie Curie, are 2 feet (65 centimeters) long. The [Mars Exploration Rover](#) Project's rover, including the "Surface System Test Bed" rover in this photo, are 5.2 feet (1.6 meters) long. The Mars [Science Laboratory](#) Project's Curiosity rover and "Vehicle System Test Bed" rover, on the right, are 10 feet (3 meters) long.

The engineers are JPL's Matt Robinson, left, and Wesley Kuykendall. The California Institute of Technology, in Pasadena, operates JPL for NASA.

Provided by JPL/NASA

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