

B103-007

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Mars and Astrobiology: Recent Exploration and Observation

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Recently various Mars missions such as Mars Global Surveyor, Mars Odyssey, Mars Rovers (Spirit and Opportunity), Mars Express, Mars Reconnaissance Orbiter, and Phoenix Mars have been clarified the past and present surface environment of Mars. Mars Rovers and Mars Reconnaissance Orbiter revealed that sedimentary rocks are widespread on Mars. At least the early stages of Mars had water-rich and maybe habitable environment. Mars Express and ground observation detected the presence of methane in the atmosphere, suggesting current degassing from the interior.