Gallery: Mars500 experiment. Members of the Mars500 crew emerged from isolation on Nov. 4 after spending almost one-and-a-half-years locked away from the world at a Russian research centre to test the effects on humans of a flight to Mars.

Members of the Mars500 crew emerged from isolation on Nov. 4 after spending almost one-and-a-half-years locked away from the world at a Russian research centre to test the effects on humans of a flight to Mars. The unprecedented experiment has simulated the duration and isolation of a return journey to the Red Planet, even including "walks" on a replica of the Martian surface and 20-minute time gaps in communication with outside.

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NOVEMBER 4, 2011

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A grab taken on Nov. 4, 2011 shows member of the Mars500 crew France's Romain Charles (C) smiles as he emerges from the Mars500 isolation facility in Moscow. Six volunteers emerge from isolation on November 4,

Photograph by: -, AFP/Getty Images