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特集：これからの微小重力実験機会
(原著論文)

高高度気球からの微小重力実験用自由落下カプセルの第一回試験飛行

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First Test Flight of Free-fall Capsule for Microgravity Experiment Released from High Altitude Balloon

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Abstract

The first test flight of a new free-fall capsule released from high altitude balloon was performed on May, 2006 based on a drag-free technique. The fundamental data for analyzing the drag-free control, the flight sequence, and the wireless communication between the capsule and a control room were successfully obtained in the flight.