

■■■■ 原著論文 ■■■■

高高度気球を利用した微小重力実験（第2回試験飛行）

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The Second Test Flight of Microgravity Experiment System Using a Free-Fall Capsule from a High Altitude Balloon

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Abstract

The second flight of microgravity experiment system using a free fall capsule from a high altitude balloon was conducted in May 2007. Using a drag free control, around 10^{-4} G gravity conditions were obtained for 30 seconds. Results of a combustion experiment with Japanese sparker conducted inside the microgravity experimental unit were also reported.