

**B218-007**

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## Collection of microbes, organics and minerals at high atmosphere

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Possible migration of life among planets has been a target of argument on the origin of life for long time. The airborne microbe has been analyzed using aircraft, balloons and meteorological rockets. We have recently conducted microbe-sampling experiments using an aircraft and isolated extremely UV-resistant microbes. Currently, analysis of microbes isolated using a balloon is also on progress. To extend the course of the experiments, we propose the microbe-sampling experiment at the exposure area of the Space Station. The methods to collect micro-particles and to detect microorganisms are discussed.