

Science and current status of the subgroup of surface science package (SSP)

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SSP is a packaged cluster of IN SITU instruments for surface science from a viewpoint of power-saving, downsizing, and sharing functions. SSP of the post-Hayabusa missions would be boarded on the sampler or a surface rover. This presentation focuses on scientific goals and the current status of each instrument. Candidates for SSP are as follows; UV-irradiated fluorescence detector, Macro-camera, Micro-camera, Micro-X/Gamma ray spectrometer, Micro-VIS/NIR spectrometer, Radar sounder, Termometer/thermal flowmeter, polisher as measurements of strength and hardness, and gravity measurements (Navigation/Positioning).