

## Visualization of FOVs frustum in HARMONICS for rendezvous Hayabusa2

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We will demonstrate a visualization tool ” HARMONICS (HAYabusa Remote MONItoring and Commanding System)” based on SPICE toolkit. This software is used for planning observations and scientific analysis in Hayabusa/Hayabusa2 missions. This software visualizes positions/attitudes of spacecraft and FOVs (Field Of View) of scientific instruments. This HARMONICS can deviate positions and attitudes of spacecraft from imported SPICE kernels in order to consider observation scenarios. This point is a difference from other SPICE-based tools such as Cosmographia developed by JPL. Newly developed function from the previous version in 2017 is display of FOV-frustum. Anyone can download the software after this spring on [arcspace.jp](http://arcspace.jp).

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