



EPSC Abstracts

Vol. 15, EPSC2021-872, 2021

<https://doi.org/10.5194/epsc2021-872>

Europlanet Science Congress 2021

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The Current Status of JPL's SmallSat Developments

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Abstract -The Jet Propulsion Laboratory (JPL) has been at the forefront of finding ways to deliver big science returns in small packages. This talk will describe the current state of missions and capabilities across the mission lifecycle from early concept formulation and implementation through on-orbit operations. From examining how we use concurrent engineering tools, processes and teams for the development of small instruments as well as complete missions, this talk will focus on expanding the capabilities of science using small spacecraft to enable missions for Planetary Science, Astrophysics, Heliophysics and Earth Science. Highlighted key technologies and science measurements will be described.