

CubeSat Launch Initiative (CSLI), Liam Cheney, Mission Manager



CSLI provides launch opportunities to U.S. CubeSat developers

Small spacecraft emphasis/interest areas:

CubeSat Launch Services, Education, Research

Overall Implementation strategy / philosophy:

Provides launches to enable CubeSat missions.

→ *You build your CubeSat, NASA launches it, and you operate it.*

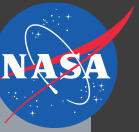
Recent accomplishment(s):

162 CubeSats launched successfully (as of 7/19/2024)

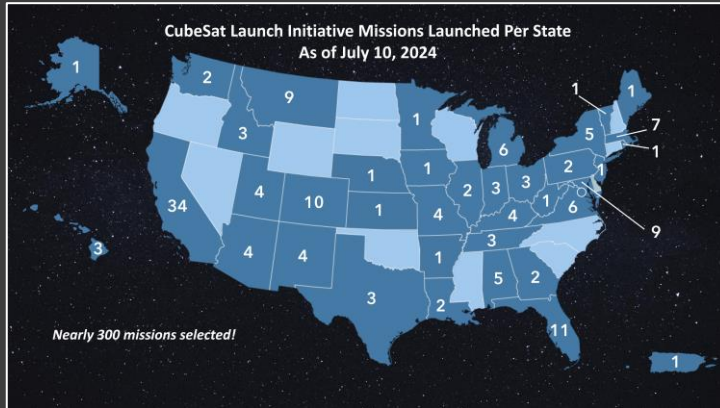
First CSLI projects from Kansas and Maine launched in July



<https://www.nasa.gov/kennedy/launch-services-program/cubesat-launch-initiative/>



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How to apply to CSLI:

The CSLI Announcement of Partnership Opportunity (AoPO) posted in early August, applications due around Thanksgiving.

New maximum of 6U size and orbit constraints, but exceptions may be proposed.



<https://www.nasa.gov/kennedy/launch-services-program/cubesat-launch-initiative/>

An opportunity to prepare for CSLI:

The Mission Concepts Program (MCP) (a NASA / DoD partnership) is a summer program to strengthen the readiness of universities, teams, and faculty in preparation to propose for CSLI and the DoD's UNP. MCP 2024 proposal cycle was open for 4 weeks during Winter

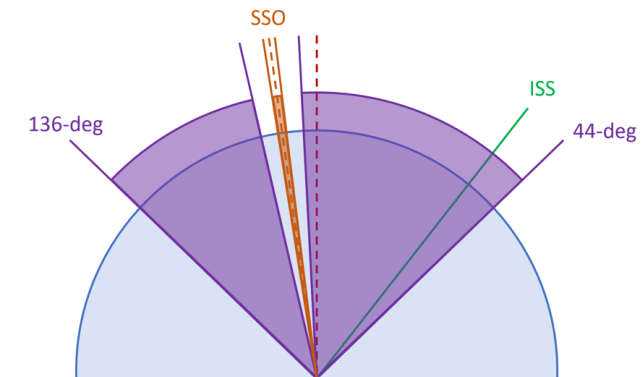


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CSLI – Backup Chart

Must be compatible with any deployment orbit within at least one of the following options.

	1 Deployment from ISS	2 Sun-Synchronous Orbit (SSO)	3 Non-SSO Orbit
Altitude*	Approximately 400 km	$\leq 650\text{km}$ May define a 50 km span of acceptability	$\leq 650\text{km}$ May define a 50 km span of acceptability
Inclination	51.6 degrees	$\text{SSO} \pm 1 \text{ degree}$	44 to 136 degrees, and not within 5 degrees of SSO
Mean Local Time of the Ascending Node (MLTAN)	N/A	At least 8-hour span of acceptability	N/A



* Relevant orbital debris mitigation requirements must be met (Ex., FCC’s “5-year rule” if applicable) which may reduce the acceptable altitude depending on spacecraft design.

You may request a waiver with necessity and significant value and benefit to NASA, but waiver acceptance is not guaranteed.