

Launch Campaign	Launch Provider	Mission Name	Launch Date	Deployment Status	Rocket	Mission Description	Payload(s)	Organization(s)
Resupply	ELaNa 56	TRACERS (Tandem Reconnection and Cusp Electrodynamics Reconnaissance Satellites)	7/23/25	7/23/25	Falcon 9	This mission will investigate magnetic reconnection and its effects in Earth’s atmosphere.	Analyzer for Cusp Electrons, Analyzer for Cusp Ions, 2-axis Electric Field, fluxgate MAGnetometer, Magnetic Search Coil	Iowa State University, Southwest Research Institute, NASA’s Goddard Space Flight Center, University of California, Los Angeles and University of California, Berkeley
		REAL (Relativistic Electron Atmospheric Loss)	7/23/25	7/23/25	Falcon 9	Launched as a rideshare payload, this 3U CubeSat project will study the loss of high-energy electrons from Earth's Van Allen belts into the atmosphere which could improve better models to protect satellites and ground systems from damaging space weather.	High-time-resolution particle detectors	Dartmouth College and Montana State University
Resupply	ELaNa 54	TES-22 (TechEdSat-22 // Technology Education Satellite-22)	1/14/25	1/14/25	Falcon 9	This 1U CubeSat was designed to test novel technologies and gather data on a region of Earth’s upper atmosphere. It is a prototype for a small constellation of CubeSats to measure the thermosphere during a solar coronal event.	Exo-Brake, a radiation detector, and a solid-state battery evaluation experiment. Other payloads are a low-cost electrical power system, a flexible operating system for nanosats called TES-OS, and an orbital art installation	NASA Ames Research Center