CubeSat Launch Initiative ELaNa 31

Mission Name	Launch Date	Deployment Status	Rocket	Mission Description	Payload(s)	Organization(s)	Orbit
BobCat-1	10/2/20	11/5/2020 10:40 UTC	NG-14 Antares	This mission uses a 3U spacecraft to help other spacecraft find their positions in space by studying Global Navigation Satellite Systems to improve their availability and performance.	Galileo enabled receiver	Ohio University, Athens, ENSPACE	
NEUTRON-1	10/2/20	11/5/2020 10:40 UTC	NG-14 Antares	A 3U technology demonstration mission is designed to map neutrons in low-Earth orbit and measure radiation from the Sun to improve our understanding of the Sun and Earth's relationship, and it also will lay the groundwork for a future CubeSat mission to the Moon.	Neutron detector	University of Hawaii at Manoa, Arizona State University	
SPOC (SPectralOcean Color)	10/2/20	11/5/2020 10:40 UTC	NG-14 Antares	The 3U spacecraft SPOC,will capture data on Georgia's coastal ecosystems to analyze vegetation, water, and other aspects of ecological health by gathering moderate resolution imagery across a wide range of spectral bands and collecting information on the chemical composition and physical characteristics of oceans and wetlands.	Grating spectrometer	University of Georgia	~400 km altitude