

# NICER Neutron Star Interior Composition Explorer

*Revealing the Structure, Dynamics, and Energetics of Neutron Stars from the International Space Station*

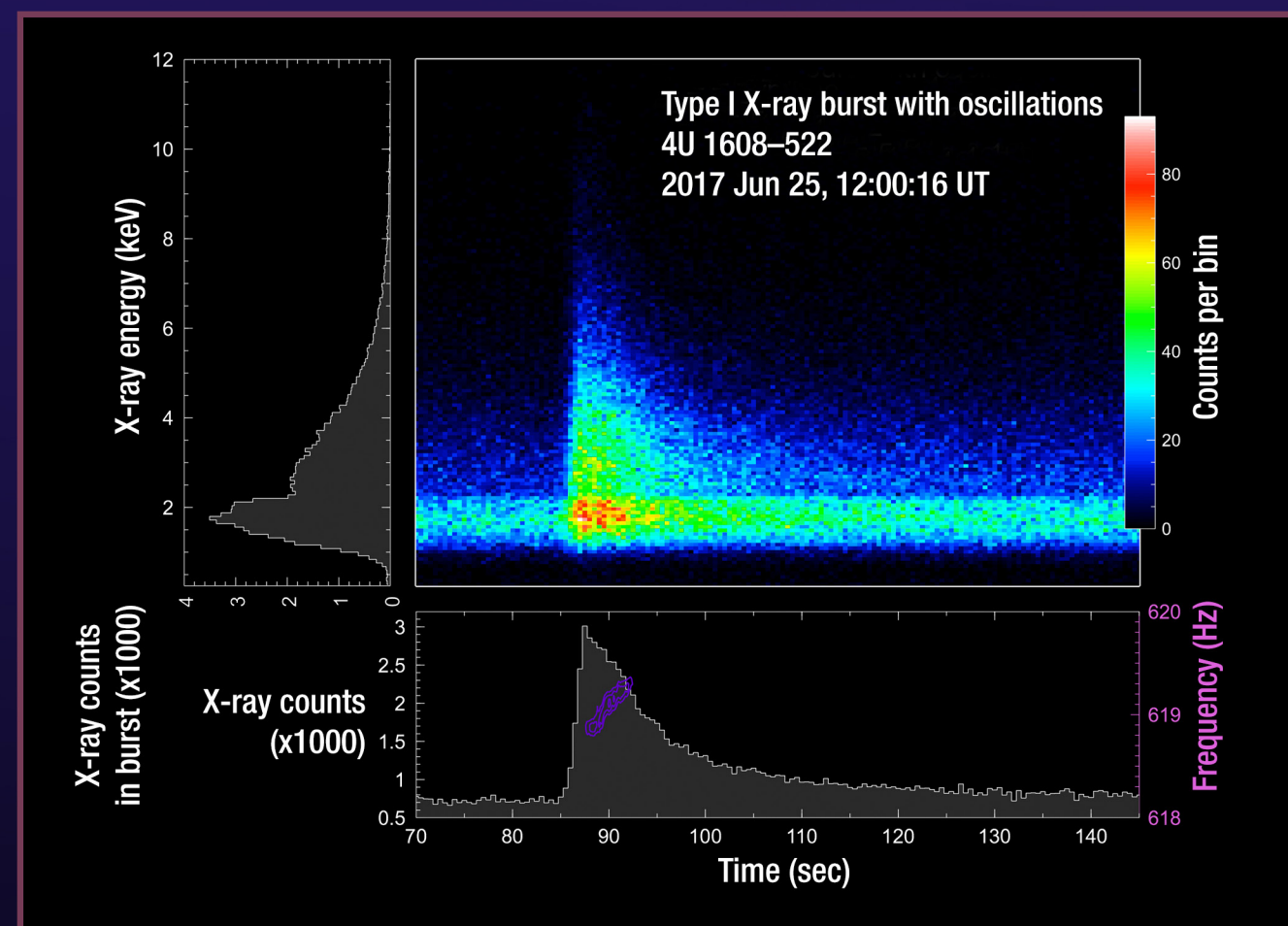
Navigating by Pulsar Beacons with SEXTANT

STATION EXPLORER FOR X-RAY TIMING AND NAVIGATION TECHNOLOGY



Launch: Falcon 9 Rocket – June 3, 2017

[www.nasa.gov](http://www.nasa.gov)



Type I X-ray burst from X-ray binary 4U 1608-522 which resulted from a thermonuclear explosion on the surface of a neutron star.