

MISSION 1

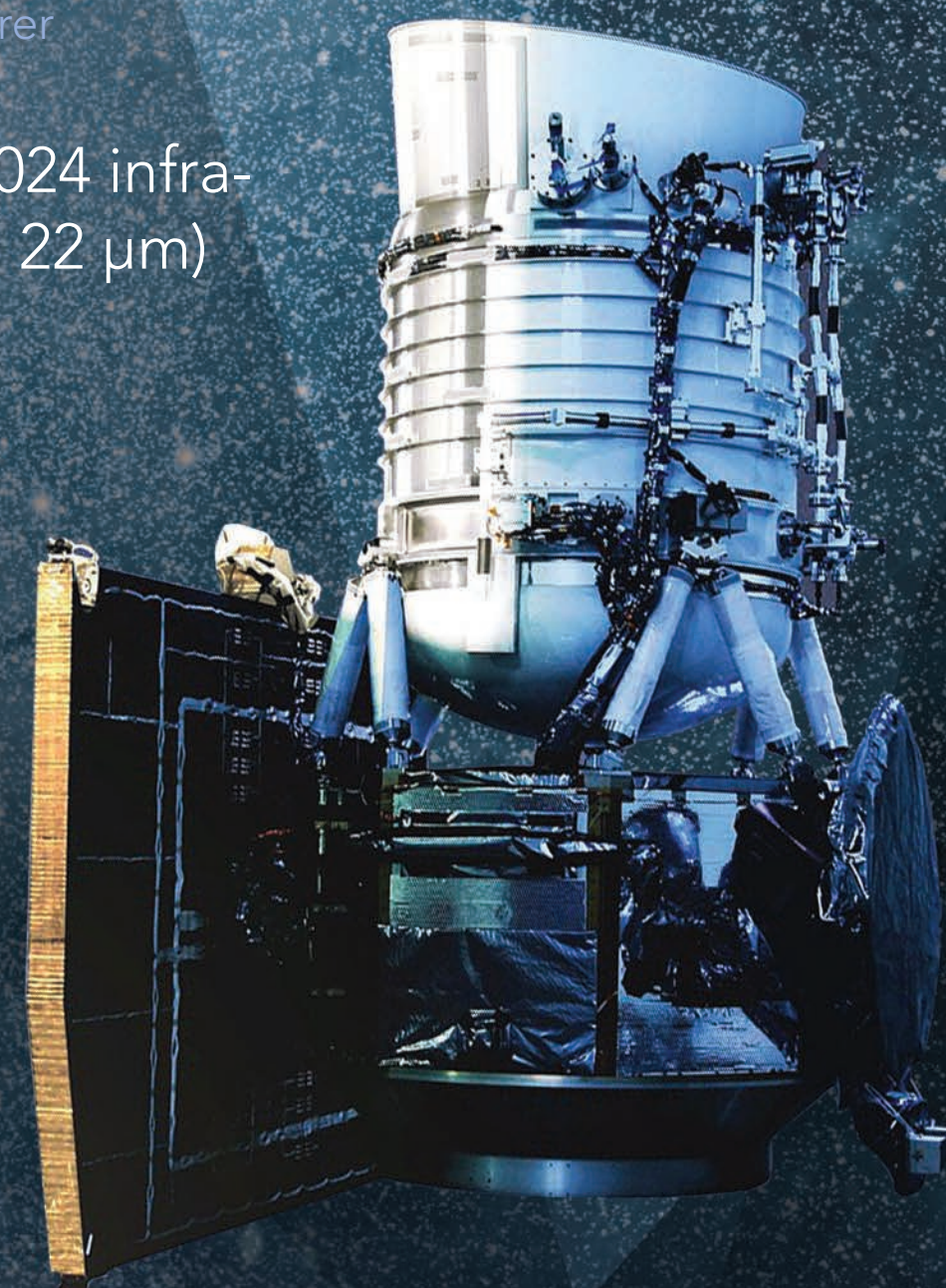
WISE Wide-field Infrared Survey Explorer

Instrument: Telescope with four 1024 x 1024 infrared focal plane arrays (3.4, 4.6, 12, and 22 μm)
Planned Duration: 10 months
WISE Mission Duration: 15 months

MISSION 2

NEOWISE Near-Earth Object Wide-field Infrared Survey Explorer

Instrument: Telescope with two 1024 x 1024 focal plane arrays (3.4 μm and 4.6 μm)
NEOWISE Mission Duration: ~10 years; still ongoing



One Instrument. Two Missions. Countless Discoveries.

WISE surveyed the entire sky in infrared twice before going into hibernation and then was reactivated as NEOWISE to identify and characterize the population of near-Earth objects (NEOs).

Discoveries: More than 158,000 minor planets (34,000 new), first known Earth Trojan asteroid, and over 1,080,000 infrared measurements of 38,703 different solar system objects, including 1,225 NEOs and 214 comets.

Institution: NASA
Design/Build: Space Dynamics Laboratory
Launch: 2009