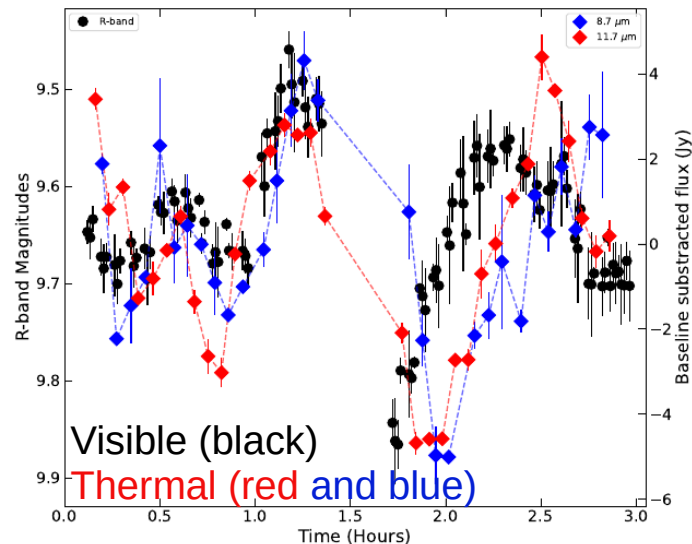


# Thermal+Optical Characterization of Near-Earth Objects

Upgraded MIRSI provides rare access to 8-12  $\mu\text{m}$  wavelengths:

- Immediately available in case of NEO alerts
- Simultaneous visible-midIR observations with MOC/MIRSI efficiently provides NEO albedos and diameters
- Mission support: improved albedo and size Hayabusa2# target



- DART impact: midIR emission stronger than expected due to cooler ejecta. Improved ejecta mass.
- Asteroid 7462 variability: **thermal** lags **visible** light emission. Due to thermal inertia regolith? Complex surface structures?
- MOC+`Opihi will improve visible wavelength calibration and thus albedo accuracy

