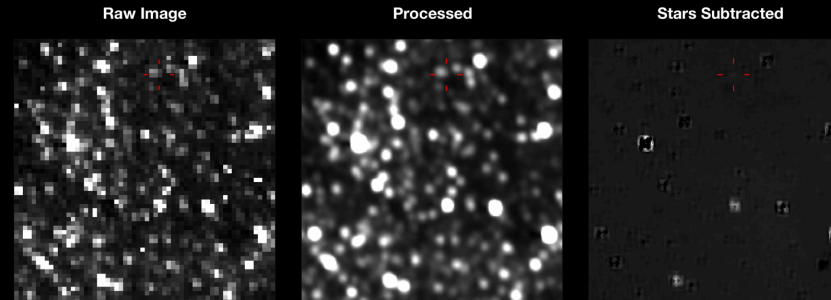


# Space Navigation, Flight Dynamics, & Planetary Science

- 20 year history providing navigation services to NASA planetary exploration initiatives
- First privately held company to provide navigation and flight dynamics expertise for NASA deep space missions.
- Over 1000 years of collective flight dynamics experience for earth-orbiting and deep space missions.
- **SNAFD Services Focus Areas**
  - Navigation & Mission Systems Development
  - Mission Design & Trajectory Optimization
  - Optical Navigation
  - Orbit Determination
  - Maneuver Design
  - Planetary Science: Astrometry, Radio Science, Particle Science + Gravity
- Prime Navigation Team for
  - MESSENGER to Mercury
  - New Horizons to Pluto and Arrokoth
  - OSIRIS-REx to Bennu and Back
  - Lucy to the Jupiter Trojans
  - LunaH-Map cubesat + AutoNav Demo
  - DAVINCI+ to Venus
  - OSIRIS-APEX to Apophis
  - And much more to come!



AUGUST 16, 2018

