



FACT SHEET

- Founded in 1959, the Space Dynamics Laboratory (SDL) has enabled significant scientific and military advances using sophisticated sensors on more than **400 research payloads** ranging from rocket-borne sensors to space shuttle experiments and satellite systems.
- SDL is a nonprofit research corporation owned by Utah State University.
- SDL operates as a unit of the Utah State University Research Foundation.
- SDL has over **50 years of experience** in atmospheric physics, astronomy, remote sensing and defense systems.
- Headquartered in Logan, Utah, with offices in Bedford, MA (the Stewart Radiance Laboratory) and Washington, DC, SDL offers **world-class facilities** for design, fabrication, calibration and testing.
- Known as a world leader in **sensor systems**, SDL has designed, fabricated and operated the most advanced sensors including infrared (IR), hyperspectral, ultraviolet (UV), plasma, visible, lidar and hypertextual.
- SDL's IR sensor system SABER (Sounding of the Atmosphere using Broadband Emission Radiometry) is currently collecting data aboard NASA's TIMED satellite.
- SDL's sensor **calibration** and **characterization** capabilities and expertise are recognized internationally.
- SDL calibrates a variety of systems including sensors for rocket- and aircraft-borne payloads, orbiting satellites, space shuttle experiments, ground-based platforms and balloon payloads.
- SDL has developed **real-time data compression and decompression** hardware used for instantaneous reconnaissance imagery reception and display. Data is collected via US fighter jets and is displayed in real-time on ground or shipboard stations.
- SDL applies its extensive experience in spacecraft systems, designing **small satellites** for the US Air Force, MDA and NASA.
- SDL has designed and operated **cryogenic systems** for the cooling of infrared instruments for over 40 years.
- SDL specializes in the development and design of **small rocket payloads** tailored to specific mission needs.