LAGEOS-1 Geodetic Satellite

- **Primary Applications:**
  - Geodesy
  - Space science

- **COSPAR ID:** 1976-026A
- **Launch Date:** June 20, 1976
- **Perigee:** 385 km
- **Apogee:** 31,935 km
- **Inclination:** 86.7°
- **Revolutions:** 1407
- **Orbit life:** 2041
- **Mass:** 37.7 kg

- **Pass range bias estimation**
  - RMS(mean) of 14 ILRS stations
  - LAGEOS Pass Tag (Second Quarter 2014)

**Range Bias Estimation Results**

- **KASI Results:** The short term bias stability results of 14 ILRS stations

### Summary and Future Work

- **Summary:**
  - Pre- and Post-Orbit Estimation for LAGEOS-1-2
  - Range Bias Analysis for ILRS stations
  - KASI ILRS data processing and validation
  - Preliminary performance analysis for the Daedeok and ILRS stations using LAGEOS-1/2 data
- **Future Work:**
  - Long term SLR data processing
  - Considering more geodetic satellites/ILRS stations
  - Global SLR Station Quality Assessment