

# MoonLIGHT-2 x 2023

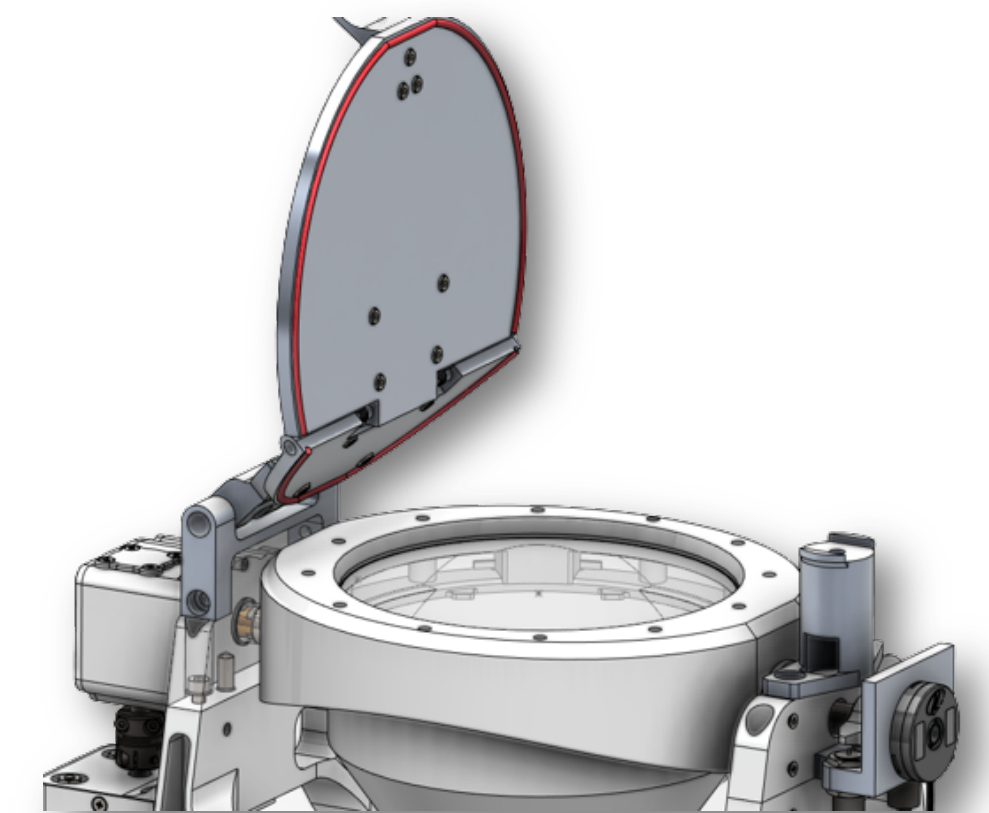
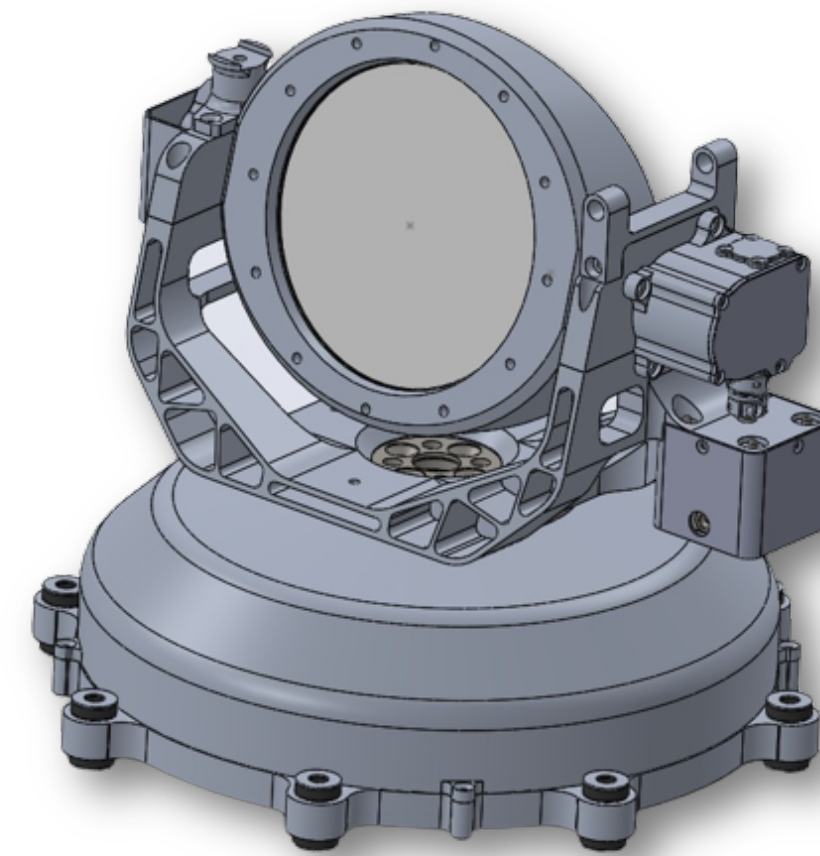
**Objective: delivery of flight hardware to ESA/NASA for integration onboard lunar landers.**

- **2022 Results:**

- Milestones of constructions and tests for deliveries in 2023.
- Manufacturing Readiness Reviews (without and with Dust Cover) passed → road to manufacturing and testing of Engineering Models, Qualification Models and Flight Models open.
- European Lunar Symposium 2022 (<https://sservi.nasa.gov/els2022/>).

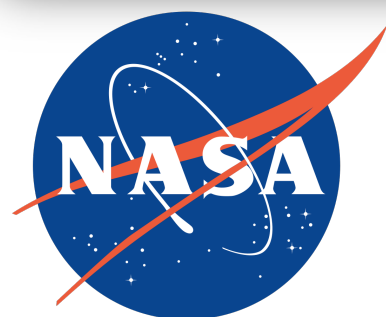
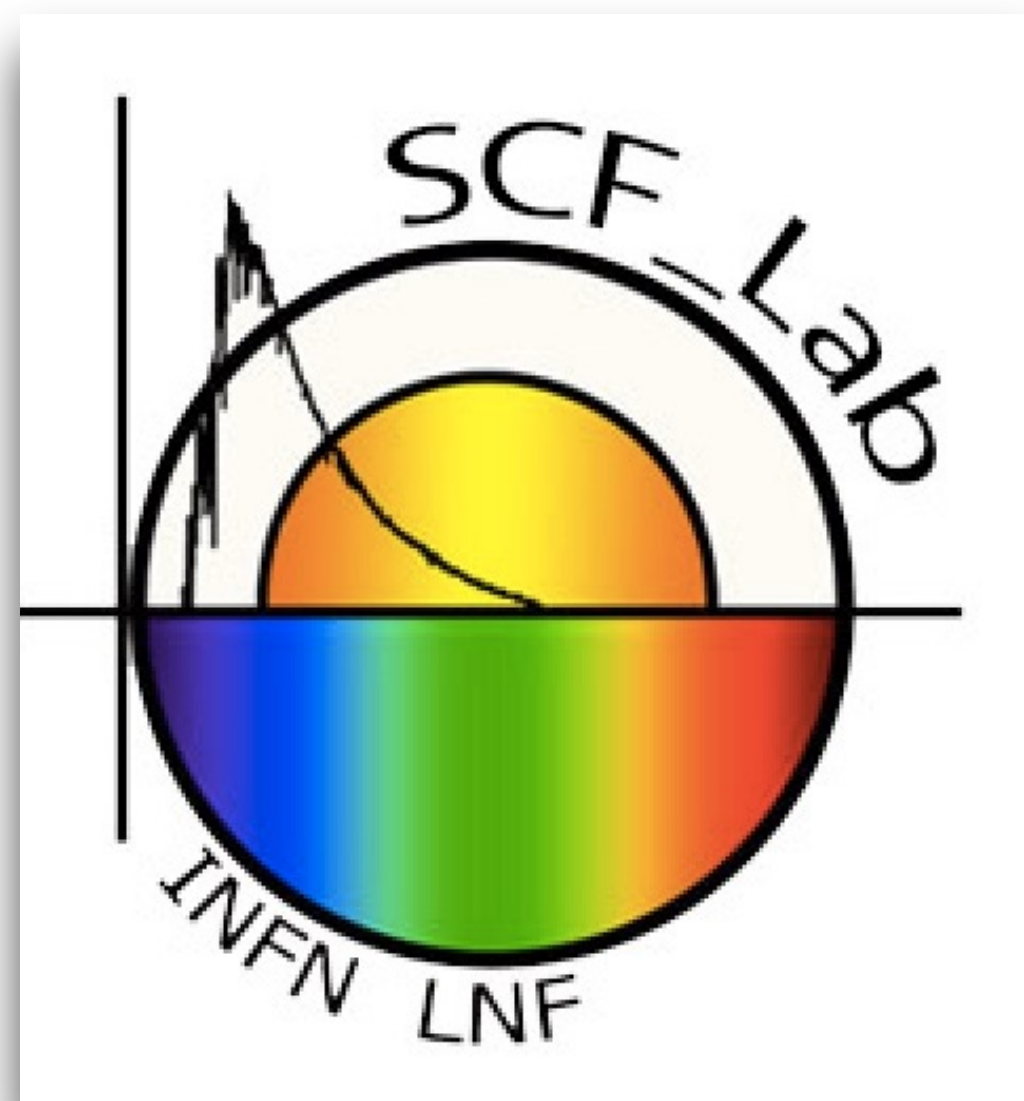
- **2023 Objectives:**

- Delivery of 'MoonLIGHT + MPAc + Dust Cover' to ESA.
- European Lunar Symposium 2023.



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**Objective: delivery of flight hardware to ESA/NASA for integration onboard lunar landers.**



- **FTE (LNF):** ~ 8 FTE (Ricercatori/Tecnologi) e M. Traini (CA) 100%, M. Petrassi (CTER) 100%, L. Salvatori (CTER) 100%, M. Tibuzzi (CTER) 100%  
INFN/University - Padova ~ 2.3 FTE: Villoresi+5  
INFN/University - Naples ~ 4.6 FTE: Capozziello+6  
ASI-Matera Laser Ranging Observatory ~ 3 FTE
- **Richieste CSN2 2023 (overall, TBD):** ~~missioni 35k, consumo 45k, altri cons 10k, inventario 10k, license SW 30k, apparati 80k, servizi 55k~~
- **Richieste LNF 2023 (mesi-uomo, TBD):** ~~Officina 1; SPCM 1; Elettronica 1; DT 1; Crio 1; Laser 1; ES 1~~
- **Fondi Esterni:** Joint Lab INFN-Frascati with ASI-Matera, 1.5 MEuro; ESA, 250kE+240kE=490kE for dual Earth pointing actuator (MPAc) and Dust Cover