

# DLR: C-Check at LHT



Knowledge for Tomorrow



# C-Check at LHT: Aircraft Maintenance



- SOFIA is in Hamburg (LHT) since October (ferry flight end of Sep due to Covid19 restrictions).
- Fuel transfer & leak checks (completed, 21 leaks found of which 2 require heavy work).
- Engine Runs, Defueling and Engine Preservation completed w/o findings.
- Engine 1 - 4 inspections (completed).
- Cockpit inspection (completed).
- Improvement of the cabin air-conditioning for better control of the temperature in the telescope/instrument-area.
- @ 07.Dec, Number of Job Cards closed: 71%.
- The overall status of the project is "on Track". The date for the ferry flight to CGN on 04.02.2021 has been confirmed again.



# C-Check at LHT: Telescope / Instrument

- GREAT has been demounted and transported in the lab at the MPIfR (Bonn)
- Some of the planned TA software changes have been successfully tested in aircraft.
- Preparations for the TA software updates in January are proceeding according to plan.
- Focus stability measurement with the FFI+ in the climate chamber.
- New spare Spherical Sensors delivered and tested (electric tests) in the lab and on-aircraft.
- Telescope checks and maintenance have been performed; everything is on track for closing up.
- A preliminary electronic design document was created for the Shack-Hartmann Test Instrument.

