

EURECA (European Retrievable Carrier)

Typ: Forschungssatellit

Betreiber: ESA

COSPAR-Bezeichnung: 1992-049B

Missionsdaten

Masse: 4491 kg

Start: 31. Juli 1992, 13:56:48 UTC

STS 46

Startplatz: Kennedy Space Center, LC-39B

Aussetzen: 02. Aug 92

Einfangen: Space Shuttle "Endeavour" während STS-57

Landung am KSC: 01. Jul 93

Trägerrakete: Space Shuttle "Atlantis"

Bahndaten

Umlaufzeit: 94,6 min[1]

Bahnneigung: 28,5°

Apogäum: 509 km

Perigäum: 484 km

Total spacecraft mass, payload mass 4490 kg, 1000 kg

Payload power 1 kW average, 1.5 kW peak

Orbit control Earth pointing mode, hot gas system

Attitude control Hot or cold gas system

Attitude sensing Sun and Earth sensors, gyros, accelerometers

Attitude: sun inertial pointing $\pm 1^\circ$ (3σ), the actual performance during flight was $\pm 0.45^\circ$

Attitude measurement accuracy $\pm 0.25^\circ$ (3σ)

Microgravity environment $< 10^{-5}$ g for $f < 1$ Hz linear for 1 Hz $< f < 100$ Hz
 $< 10^{-3}$ g for $f > 100$ Hz

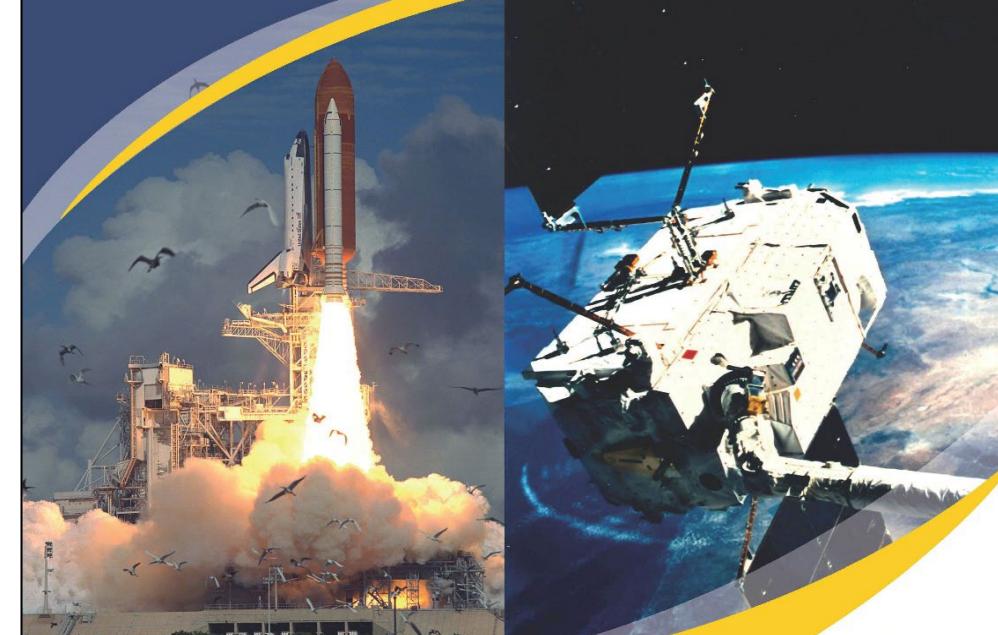
Onboard data storage capacity 13 MByte (11.3 for payload data, 1.7 for housekeeping data)

RHA Buch #20 / RHA Book #20: 2023-12

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