

EURECA (European Retrievable Carrier)	
Typ:	Forschungssatellit
Betreiber:	<u>ESA</u>
COSPAR-Bezeichnung:	1992-049B
Missionsdaten	
Masse:	4491 kg
Start:	<u>31. Juli 1992, 13:56:48 UTC</u> <u>STS 46</u>
Startplatz:	Kennedy Space Center, LC-39B
Aussetzen:	02. Aug 92
Einfangen:	<u>Space Shuttle "Endeavour" während STS-57</u>
Landung am KSC:	01. Jul 93
Trägerrakete:	<u>Space Shuttle "Atlantis"</u>
Bahndaten	
Umlaufzeit:	<u>94,6 min[1]</u>
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	±1° (3σ), the actual performance during flight was ± 0.45°
Attitude measurement accuracy	±0.25° (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



© RHA

Raumfahrthistorisches Archiv Bremen e.V.