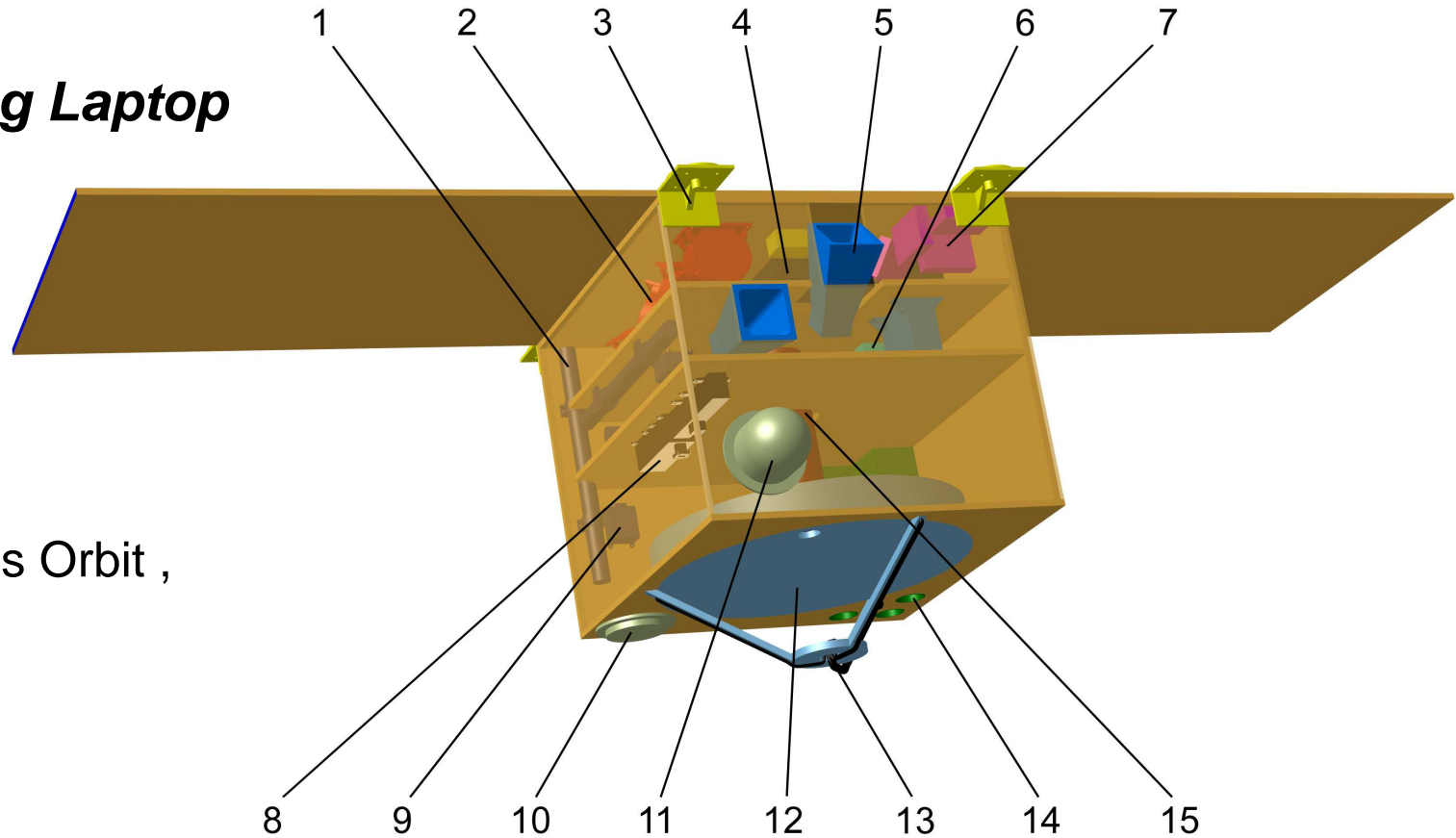


Satellite *Flying Laptop*

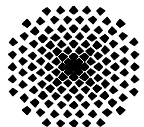
Sun synchronous Orbit ,
2006



- 1 Magnetic torquers
- 2 Reaction wheels
- 3 GPS-Antennas
- 4 Batteries
- 5 Star cameras

- 6 On-board computer
- 7 Inertial Measurement Units
- 8 Travelling Wave Tube
- 9 Magnetometers
- 10 S-band (HG)

- 11 S-band (LG)
- 12 Cassegrain system
- 13 Feed horns
- 14 VIS/NIR camera system
- 15 Thermal infrared sensor

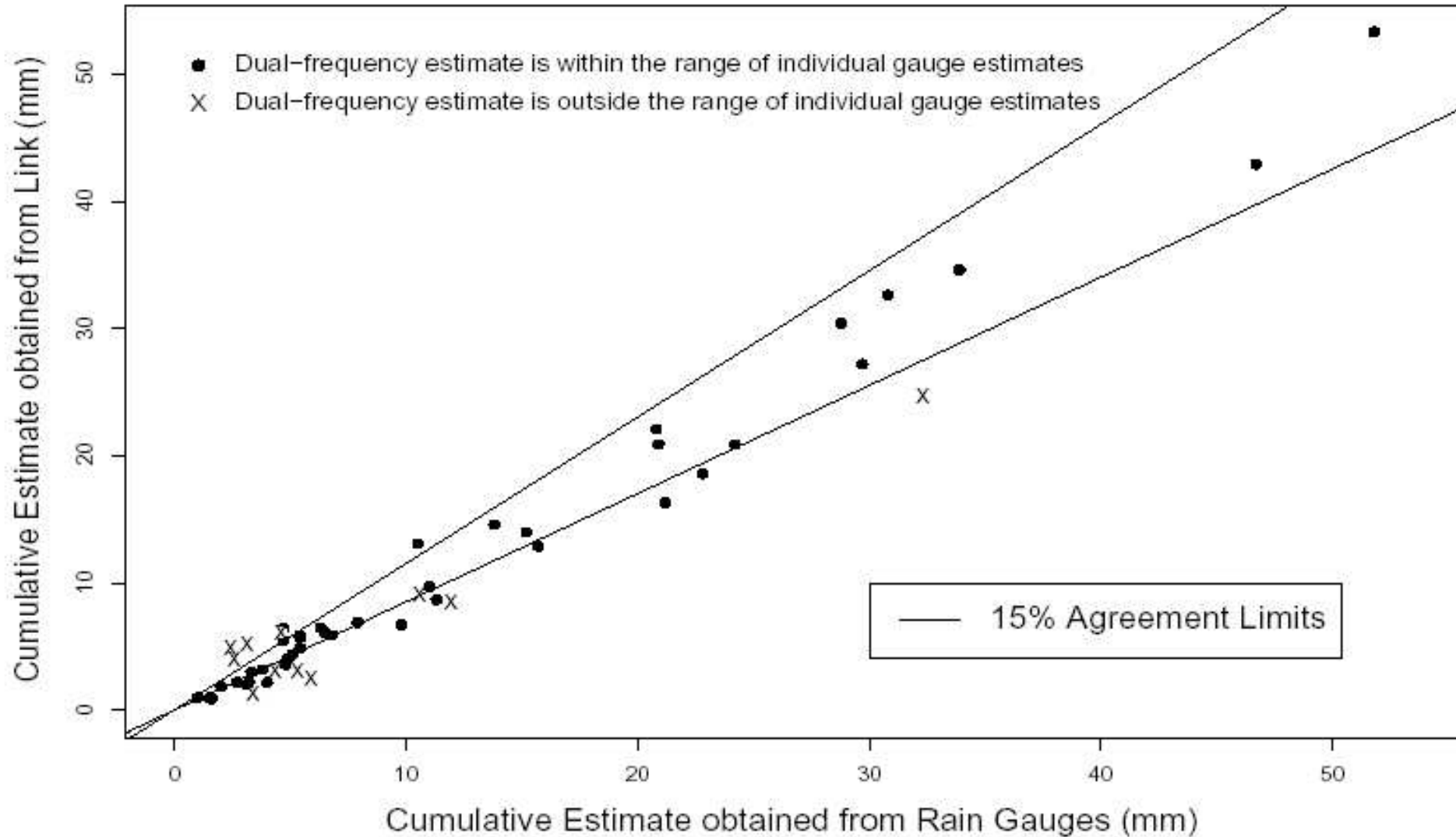


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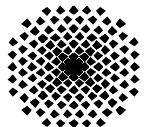
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www.irs.uni-stuttgart.de



Horizontal Link:



aus: A. R. Rahimi, A. R. Holt, G. J. G. Upton, R. J. Cummings, Department of Mathematics, University Essex, UK

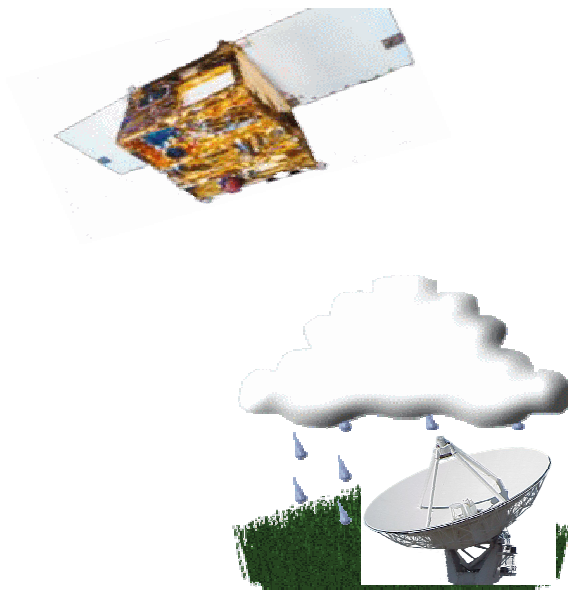


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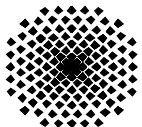
Check of a new method for the determination of the rain rate using satellites



- Target-Pointing –Mode
- Ka und Ku-Band
- determination of the differential attenuation

→ precursor of the **Global Precipitation Mission (GPM)**

Validation with COPS ?





Precipitation measurement with DPR

