

Compact Atomic Rubidium Clocks for Satellite Navigation Systems (Galileo)

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On-board clocks:

- $\Delta f/f \approx 1 \times 10^{-14}$ @ 1 day (≈ 1 ns)

Technology issues:

- Stabilised laser source
- Improved cell production (Rb + gas mix)
- Low-noise microwave source

