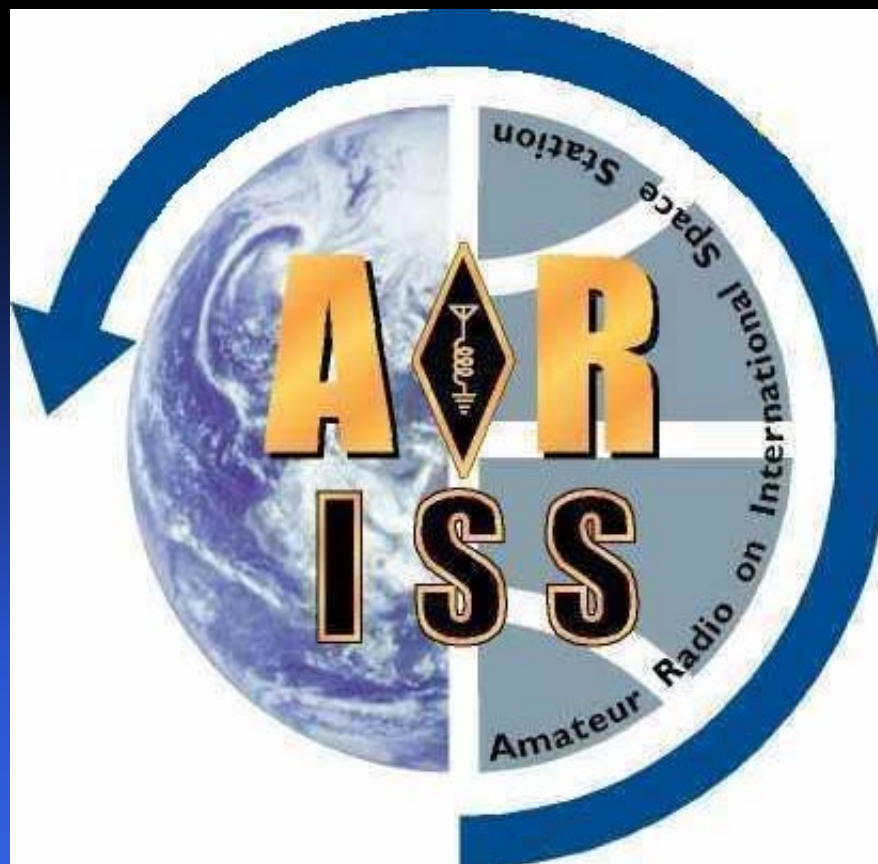




AMSAT-F



Montreal 04-06 April 2002



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ARISS-Europe
presents

IDEFIX

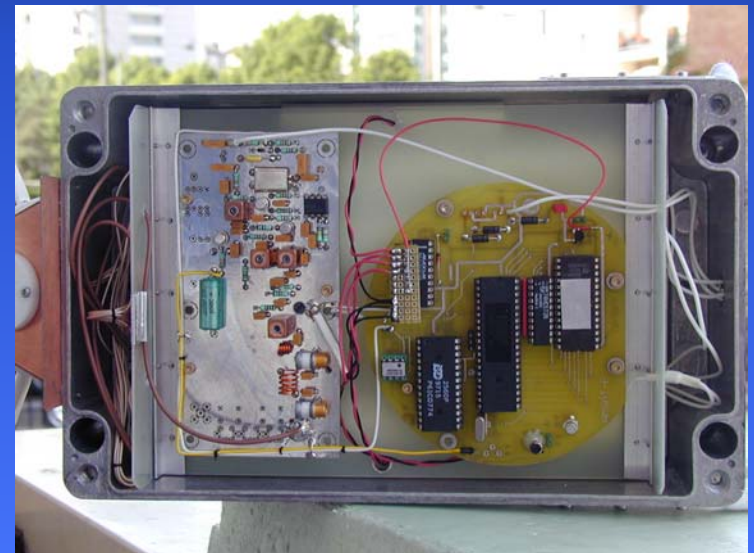
a low cost picosat



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IDEFIX Picosat

- New electronic design
- New telemetry format
- Qualification test passed





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New Design

- CPU board updated
- Piggy Back board offering additional measurements capabilities (up to 16)
- Voice Playback module (ISD)
- New transmitters
 - 146 MHz
 - 435 MHz
- New power supply (certified batteries)



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New telemetry format

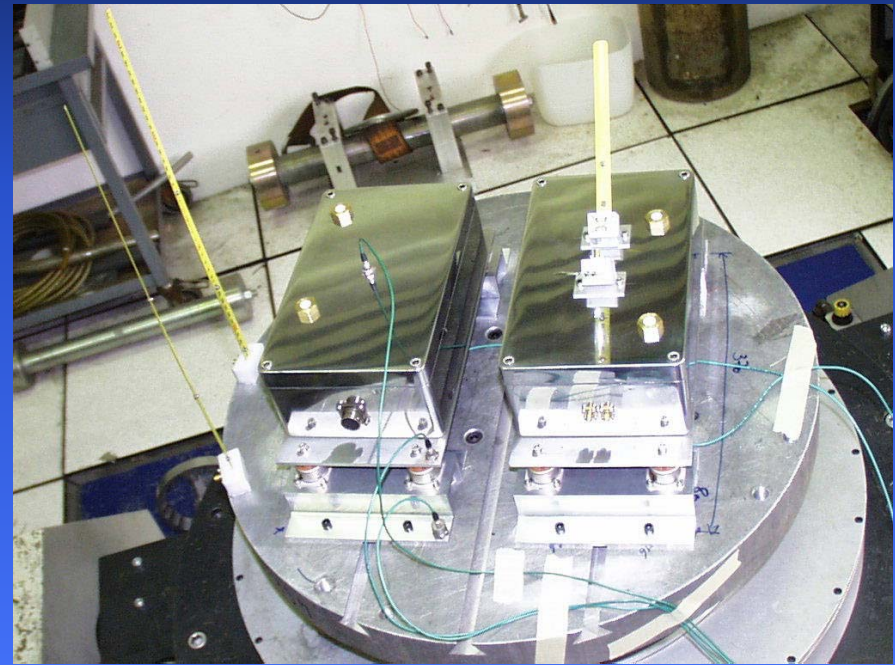
- BPSK 400 b/s generated by the CPU
- Telemetry base on short frame and sub frame
- Additional measurements :
 - Temperature
 - Voltage
 - Current
 - Solar sensor
 - ...



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Qualification test

- Two specimen successfully passed the vibration test
- Safety report was accepted





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Submitted for Approval

- IDEFIX is READY for launch
 - by hand during an EVA or
 - remotely controlled from a cargo freighter



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