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Software Control for FTLRS, the French Transportable Laser Ranging Station



► a LINUX station for GUI

*Embedded real time software control
is managed by a remote LINUX station
through a TCPIP link*

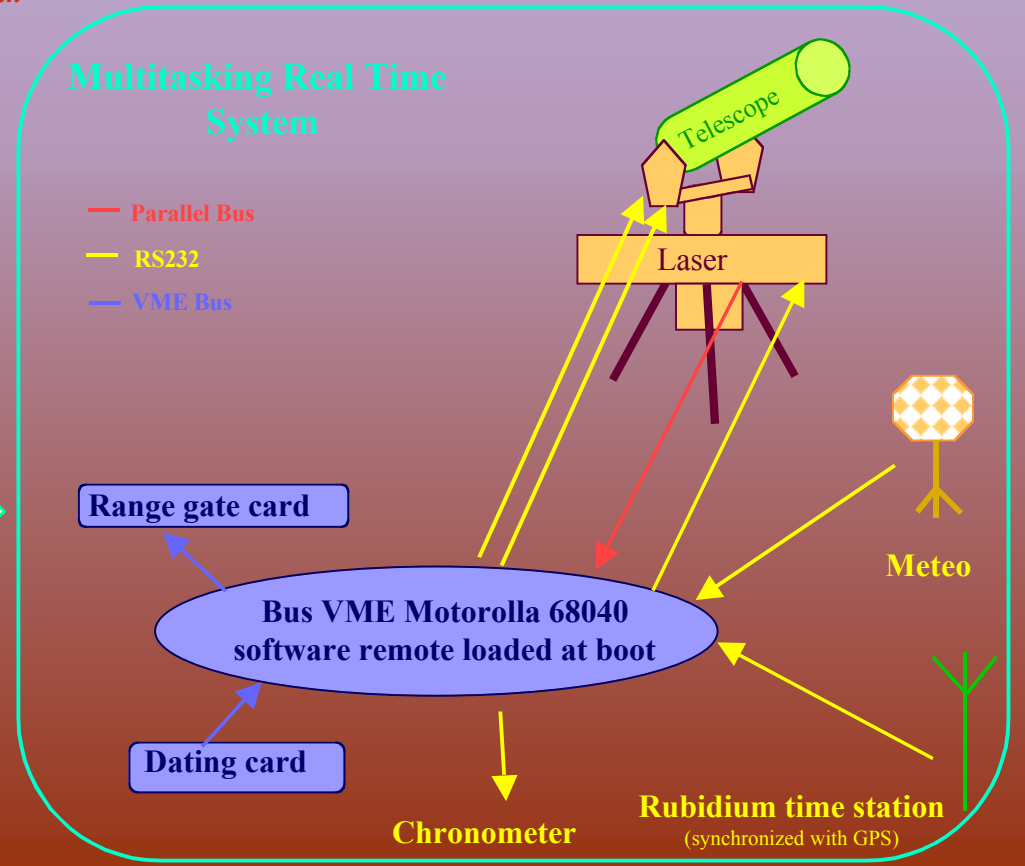
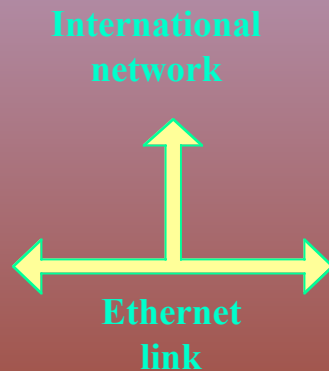
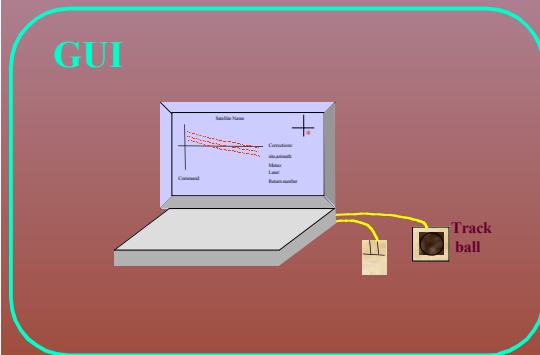
► a VME system for real time control

Before tracking

- Verify Station hardware
- Send previsions

During Tracking

- Read Observation's results
- Plot observation's data
- Get operator commands



Processing Schedule is done with 3 hardware interrupts:

- Firing interrupt, to get start time and load range gate
- End of range gate interrupt, to measured round trip time
- Timer interrupt, to send positioning order to the mount: