

Tethered Vehicle Activities 2005

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13-14 June 2005



Tethered Vehicle Upgrades

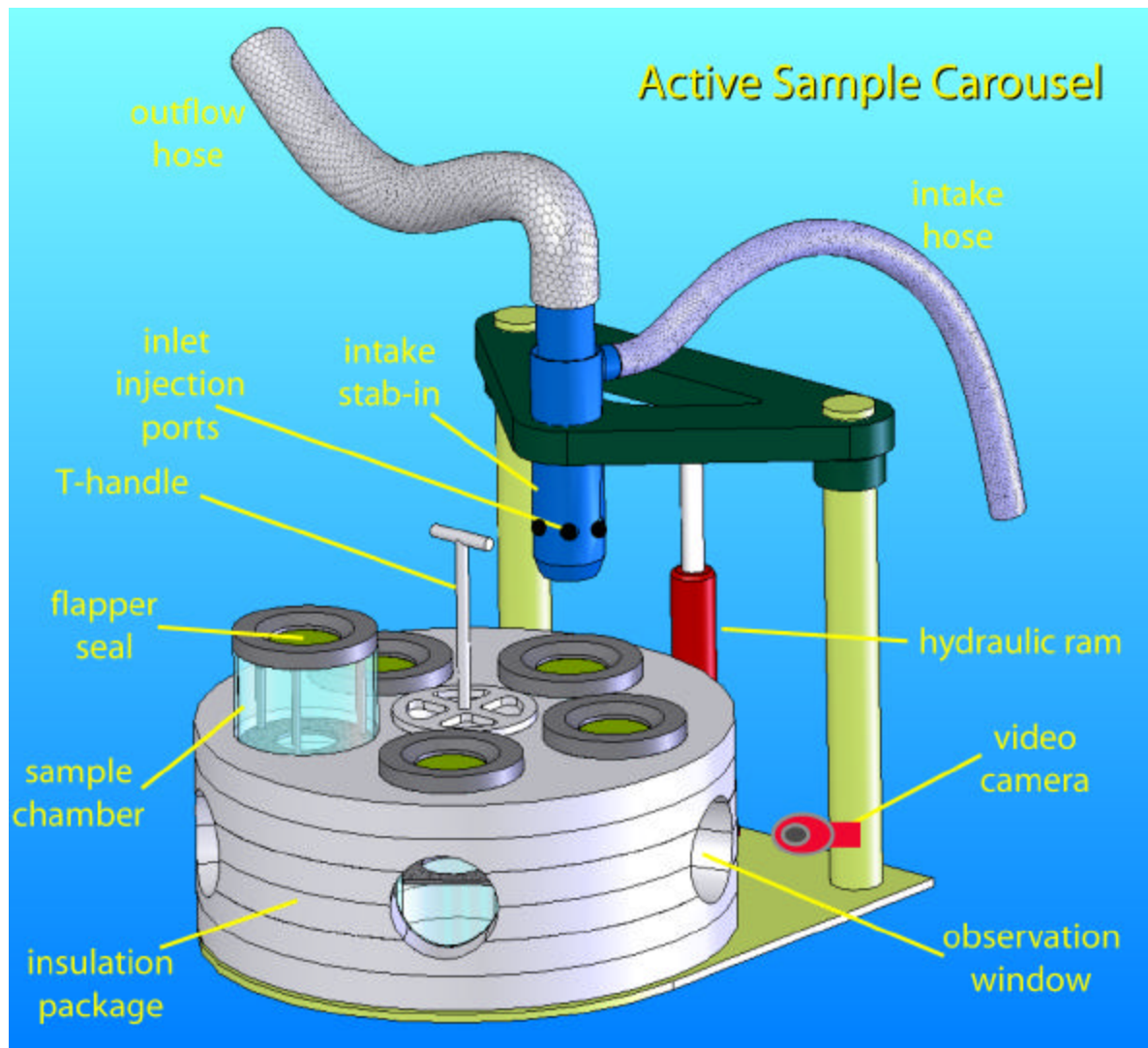
- Replacement control vans (planning underway for swap 12/05)
- *Medea* upgrades
- Surface location beacon (GPS/Iridium)
- Slurp pump test and evaluation
- 3-chip science video camera
- Homer probes -- in hand and tested
- 300 kHz Doppler for *DSL120A* and *Jason* (spare to 1200 KHz)
- New bio boxes for use with elevator
- Summer/Fall maintenance periods
- Pixelfly mosaicing camera with strobes
- Continued work on *Jason* to *Medea* navigation
- Improved video annotation
- Insite digital still documentation camera added



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New DSG Multi-Chamber "Slurp"



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DSG Slurp Pump Update

- Suction Pump designed and installed on *Jason*
- Canister valving candidates identified with prototype fabrication/test Summer '05
- Expect additional tests Fall of '05



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ROV Control Van Upgrades

- **New vans received Fall '04**
- **Conversion planned for late '05**
- **Improved ergonomics for the data station**
- **Lower maintenance HVAC (no S.W. required)**
- **UNOLS/USCG compliant**
- **Significant upgrade to the monitors and displays**



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Medea Modifications

- **Pixelfly (color/B&W) and Insite digital still cameras with strobes**
- **Scanning sonar**
- **Color video camera**
- **Thrusters for heading control**
- **Additional science payload interface (power, telem and physical space)**
- **Stand-alone power and surface control**
- **Modifications during August maintenance period**



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