Distributed ParselTongue

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Recent PT happiness

- Simplified build of PT dependencies
- Basic mechanism for moving data between AIPS installations
- Per-task logging capabilities
- “Parallel” task queues

ParallelQueues

- A container for AIPSTask objects
- Tasks in a queue are despatched simultaneously
- All coordination and communication within a ParallelQueue is handled centrally

Well, "Parallel"

- No point-to-point communication between members of a ParallelQueue
- Without a parallel AIPS, we're left with "trivial" parallelisation
- trivial ≠ not useful

Onward!

- Taking advantage of "AIPS Light" for easier remote deployment of PT, leading to:
- Simple creation of arbitrary PT clusters by non-administrators
- Finding real-world problems that can benefit from parallel PT, and developing towards those

Parallel ParselTongue

- Currently severely limited by I/O
- Transfer calibration tables only?
- Merging calibration tables while doing so?

Interoperability (I)

- EVN data already available as MeasurementSet!
- Convert AIPS CL/SN tables into CASA calibration tables?
- And back?
- Prototype in ParselTongue/pyrap (or casapy?) should be possible.

Interoperability (II)

- Extend ParselTongue to run CASA "tasks"?
- Or simply make casapy and ParselTongue coexist?