

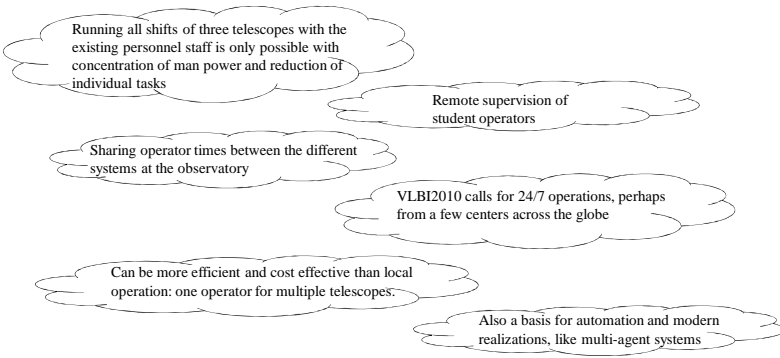
The new release of e-RemoteCtrl 2.0

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Abstract:

A new release of the telescope control software e-RemoteCtrl, which is designed to run VLBI observations remotely, has been realized during a development and research stay at the University of Tasmania. The final software release will be released this year and includes new features, bug fixes and optimizations as a result of feedback from the AuScope operators, from tests at Hartebeesthoek, and from user experiences at Wettzell. The poster describes the new features and gives additional information about the software.

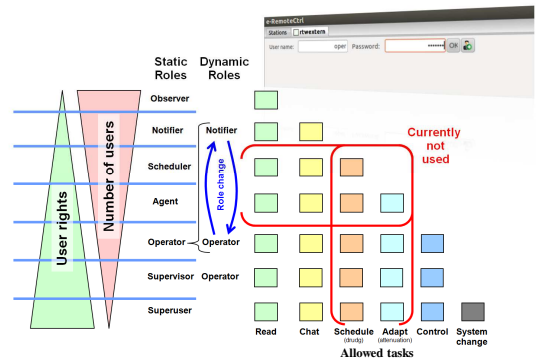
Remote control at a glance



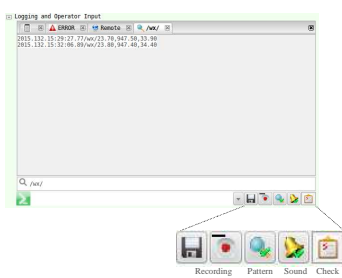
New features and fixes, which were mainly suggested by AuScope and HartRAO

- Color codes for each antenna
- Flexible, configurable checklists with entry points for text input, cancel possibilities, named, and colored with antenna codes
- Correct presentation of DBBC system temperatures
- More graphical formatting of status outputs
- Stable behavior according to network problems with reconnections and information output
- Additional checks for errors, like missing log outputs
- Recording possibility with history of recording states and previous log outputs
- Possibilities for individual sound files also on sound cards on the FS PC
- Presentation of individual data from a local system monitoring as text or HTML output

Security, using user roles and encrypted SSH-tunnels

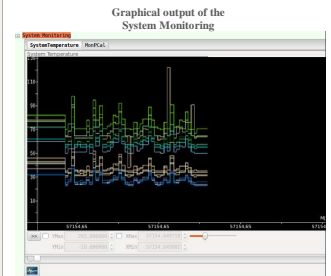
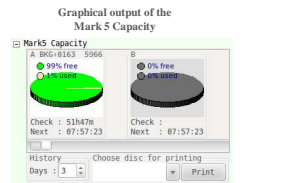


Impressions



- Log output and operator input with:
- Log history
 - Pattern matching of log output strings
 - Configurable separation of log messages
 - Command history
 - Local copy or recording of log output
 - Recording history
 - Local sound output after error detections with configurable alarm levels
 - Checklist activation
 - Graphical help text output of NASA Field System help pages
 - Configurable hot-keys

Graphical user interface for the NASA Field System



Individual output of system parameters as text or in HTML

Chat window

Release is expected by end of June 2015

Also as extension on the FS download servers