
Field System Topics

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FS Linux Distribution

- ◆ FSL8
 - ⊕ Current standard
 - ⊕ Based on Debian “lenny”
 - ⊕ Out of support, but apparently still installable
- ◆ FSL9
 - ⊕ Based on “wheezy”
 - ⊕ Available ...
- ◆ Prologix Ethernet GPIB Controller
 - ⊕ Less expensive, US\$200
 - ⊕ Some success with Legacy GPIB devices
 - ⊕ Some reliability issues with NI RS232-GPIB converter

Current Release

- ◆ FS 9.11.2
- ◆ DBBC support for DDC, including 80Hz calibration
- ◆ New gnplt
 - ⊕ More field testing would helpful ...
- ◆ “49-day” kernel “bug” fixed
- ◆ Satellite support
 - ⊕ TLEs
 - ⊕ Commands antenna in RA-DEC or AZ-EL
 - ⊕ Requires ANTCN upgrade for arbitrary tracking
- ◆ Holography support
- ◆ Include files work with C++

Next Release (summer 2013)

- ◆ Mark 5C recorder support
- ◆ RDBE – PFB personality
- ◆ Parallel device support for Mark 5C and RDBE
 - ⊕ Single command for parallel commanding of similar devices, e.g., to start all Mark 5Cs recording:
 - disk_record=on
 - ⊕ Control is actual parallel, if one device times-out the others are not affected
 - ⊕ Commands for individual devices available as well, e.g.,
 - disk_record1=on
 - disk_record2=on
 - ...
- ◆ Support VGOS (was know as VLBI2010) observing modes
- ◆ metserver/metclient reworked to support multiple clients better
- ◆ Bug fixes and urgent features for things I hear about ...

Later this year

- ◆ eControl
- ◆ DBBC – PFB Support and other improvements
- ◆ Mark 6 recorder support
- ◆ RXG file related:
 - ⊕ New rxgfile SNAP command to allow RXG file updates without restart
 - ⊕ Logging of RXG file identification information for better accountability
- ◆ LO_CONFIG command
- ◆ Periodic Satellite Commands in Az-El and RA-Dec

Also coming ...

- ◆ 30 minute periodic “BEOB” procedure in place of “MIDTP” for periodic monitoring functions
- ◆ Improved rack=none set-up comments
- ◆ Source scanning on the fly
 - ⊕ Improvement on fivept for antennas that can scan in rate
- ◆ Band switching

Conclusion

- ◆ It would be very helpful to have:
 - ⊕ Feedback on bugs that are occurring in the field
 - ⊕ Input on what features are still needed or need to be changed for DBBC support
 - ⊕ Any other requests ...