Field System Topics

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FS Linux Distribution

- FSL8
  - Current standard
  - Based on Debian “lenny”
  - Out of support
- FSL9
  - Based on “squeeze” or maybe “wheezy” is next
  - Available …
- Prologix Ethernet GPIB Controller
  - Less expensive, US$200
  - Some success with Legacy GPIB devices
  - Some reliability issues with NI RS232-GPIB converter

Next Release

- This summer
- DBBC support
- New gnplt
  - Python based
  - Faster, handles larger data sets
  - Needs more field testing
- 49 day bug fix
  - Will be 249 day bug in the future
- Satellite support
  - TLEs
  - Commands antenna in RA-DEC or AZ-EL
  - Periodic Updating
  - Requires ANTCN upgrade for arbitrary tracking

Next Release (cont'd)

- Holography support
  - Boustrophedon scan around source or Az-El
- C++ include file changes
- RXG file related:
  - New rxgfile SNAP command to allow RXG file updates without restart
  - Logging of RXG file identification information for better accountability
  - Two Trec (LCP and RCP) values in RXG files
- LO_CONFIG command

Following release

- Autumn
- 30 minute periodic “BEOB” procedure in place of “MIDTP”
- Improved rack=none set-up comments
- RDBE support
- Mark 5C Support
- Continuous calibration support
- eControl
- Source scanning on the fly (fivept replacement)

Other Issues

- Station Network Topology
  - Develop a standard configuration
  - Move to equipment on a private LAN
- NTP
  - Consider using for all station timing
  - Setcl will be just a check of formatter time
  - Not observe across leap seconds
  - Have at least local stratum 1 server

End

FS Priority List from Previous Meetings

- Separate LCP/RCP RX temperature in .rxg files
- LO_CONFIG command
- Slow disk warning
- 80 Hz Radiometry
- Periodic monitoring (*chekr*) of Mark 5
- DBBC support
- Update Monit/Expanded Status Reporting/*erchk*
- GNPLT Update
- …