Field System Future Plans

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FS Linux Distribution

- FSL9
  - Current standard
  - Based on Debian “wheezy”
  - Has some minor serial issues, but so far we have solutions
- FSL10
  - Next standard
  - Will be based on Debian “Jessie” which was just released
  - Availability TBD

Current Release

- FS 9.11.7
  - DBBC support for firmware version v105E/F for 32 MHz BW channels and 2 Gbps data rate
  - Support for a single Mark5C recorder running jive5ab (but no FILA10G) support
  - New “mk5_status” command to properly handle reporting error status, thanks to Harro Verkouter
  - Other minor enhancements

Spring Release (May 2015)

- FS 9.11.8
  - FILA10G support
  - Fix for handling of phase reference scans (DRUDG)
  - Fix for 32 MHz BW DBBC detectors in ONOFF
  - Bug fixes and urgent features for things I hear about …

Fall Release

- FS 9.12.x
  - Preliminary Support for
    - Up to four RDBE-G racks (in parallel)
    - Up to two Mark 6 recorders (in parallel)
    - UDCs (Up/Down Converters)
    - VGOS Observing
  - Input will be case sensitive
  - metserver/metclient reworked to support multiple clients better and with faster response time

Winter Release

- FS 9.12.x
  - DBBC PFB personality support for 4 Gbps data rate

Other features that are coming …

- eRemoteControl
- RXG file related:
  - New rxgfile SNAP command to allow RXG file updates without restart
  - Logging of RXG file identification information for better accountability
- Periodic Satellite Commands in Az-El and RA-Dec
- More mature RDBE-G, Mark 6, UDC, and VGOS observing support
- VEX2 support
- Ethernet/serial converter support
- Ethernet/GPIB converter support

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 …