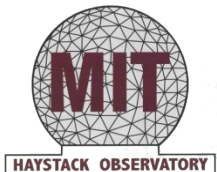


Mark5 Software Status

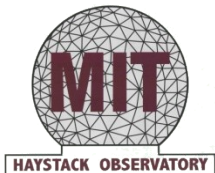
Colin Lonsdale / Chet Ruszczyk
Feb 9, 2016

MIT Haystack Observatory, Westford, MA

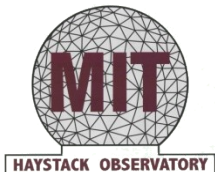


Recording Software

- SDK9.4
- OS Distribution
- Mark5C
- Misc Items

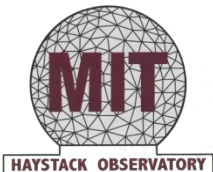


- Where is Chet?
 - I apologize for not being able to attend this years TOG
 - I am at mini-TOW at KPGO
 - For VGOS Signal Chain recently installed
 - All of the content in these slides are my own and not that of the presenter
 - Thank you Colin!
 - Maholo!



SDK9.4

- Released 9.4
 - New updated firmware:
 - eVLBI performance issue with OS after Etch fixed
 - Fixed small block reads over PCI bus
 - Supports disks > 2 TB
 - 32 / 64 bit version available
 - Links available here for Mark5A/B/B+/C
<http://www.haystack.edu/tech/vlbi/mark5/notices.html>



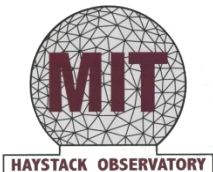
OS Distribution

- New Mark5 OS Distribution
 - Debian Wheezy
 - http://www.haystack.edu/tech/vlbi/mark5/docs/Upgrade_notes_Wheezy64.pdf
 - Posted October 15th 2015
 - No issues or concerns have been raised



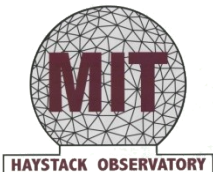
Mark5 Migration

- Migrations:
 - The processes have been verified
 - Instructions will be posted
 - Check (or re-check) with Chet for documents
- Systems
 - 5C to 5B+
 - 5B+ to 5C
 - 5A/ 5B to 5B+ or 5C



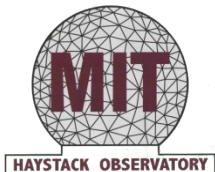
Mark5C

- Requests made about 4Gbps capability
 - The bug with Conduant firmware was identified in 2015
 - Requires a big block transfer capability
 - The firmware did not get into SDK9.4 release
 - Is there a need for this by the EVN?
 - If so, talk to us ...



SDK9.X

- Modules can be conditioned on any version of SDK and system (Mark5A/5B/5C)
 - Haystack has a procedure with SDK9 and disk modules of uncertain origin
 - EV2E (Erase, VSN, Erase, Erase)
 - This assures a seamless transition between systems and SDK version



Thank you / Questions?

Please email to Chet Ruszczyk
chester@haystack.mit.edu

