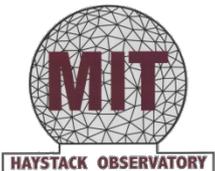


Mark5 Software Status

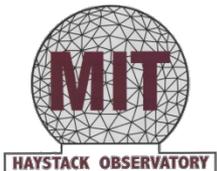
Chet Ruszczyk
October 6, 2014

MIT Haystack Observatory, Westford, MA



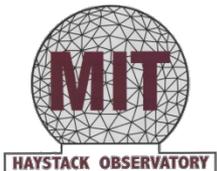
Recording Software

- SDK9
- Mark5 A/B/B+/C
- Misc Items



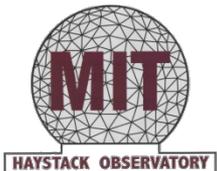
SDK9.X

- Latest released version 9.3a / 9.2a
 - CONT014 participating stations upgraded
 - Correlators (Haystack / USNO / Bonn)
 - Large disk support >2TB.
- Under test 9.4
 - New updated firmware fixes bug and allows:
 - eVLBI performance bug with OS after Etch
 - Fixed small block reads over PCI bus
 - Using disks > 2 TB
 - 32 / 64 bit version



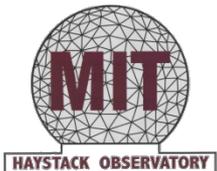
SDK9.X

- Modules can be conditioned on any version of SDK and system (Mark5A/5B/5C)
 - Haystack has a general rule when working with SDK9 and being unsure where the disk modules come from
 - EV2E
 - Erase, VSN, Erase, Erase
 - This will guarantee a seamless transition between systems and SDK version
 - Removes any problems



Mark5A/B/B+/C

- Mark5A/5B/5B+ software
 - Under test to supports SDK9.4
 - 32 and 64 bit version
- Mark5C - drs
 - New version under test 0.9.23-1
 - SDKversion 9.4 32 and 64 bit



Misc

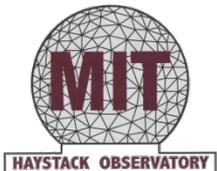
- New Mark5 OS Distribution
 - Debian Wheezy
 - If you have Squeeze, they have long term support.
 - /etc/apt/sources.list
 - Change “squeeze” to “squeeze-lts”

```
deb http://http.debian.net/debian/ squeeze main contrib non-free
```

```
deb-src http://http.debian.net/debian/ squeeze main contrib non-free
```

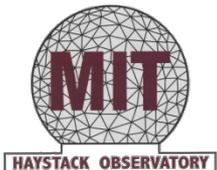
```
deb http://http.debian.net/debian squeeze-lts main contrib non-free
```

```
deb-src http://http.debian.net/debian squeeze-lts main contrib non-free
```



Misc

- Shell-shock
 - Bash Code Injection Vulnerability via Specially Crafted Environment Variables (CVE-2014-6271, CVE-2014-7169)
 - Check forum for details
 - Pointers to articles online
 - How to patch older systems (Etch / Lenny)
 - Bug introduced with commands (at, batch)
 - runs a command at a later time
 - Impacts systems running Linux
 - Mark5's / Mark6's



Thank you / Questions?

