Time lines
and
Network Security

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22 September 2017
CHARA Futures Meeting, Mount Wilson
CHARA AO Timelines
... with the help of Matt Anderson

➤ Phase 1
  ➤ Optics already installed and aligned at all telescopes
  ➤ Get the Andor cameras to operate on Linux 4.x kernels

➤ Phase 2
  ➤ Develop software to control ALPAO mirror
  ➤ Design for DM mount done; needs shop time
  ➤ Design for DM calibration light source done soon; needs shop time
  ➤ DM arrival
  ➤ General code development and system integration
Automation Timelines

- Completion of Ubuntu upgrade
- Hardware azimuth limit switches
- Adaptive telescope drive tuning
- Cylinder enclosure reliability improvements
- Heat mitigation in enclosures
- Master system GUI
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But first, the status of the Mount Wilson network...

With the help of David Attias,

upgrading Mount Wilson network to gigabit

Upgrade includes a managed router (with backup) and managed switches

Management allows use of network flow analysis tools

We have managed switches in most locations within the Array
Network Security

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- Discontinue use of hardware VPN in favor of SSH tunnelling
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