areaDetector Workshop(?)

EPICS Collaboration Meeting
ITER, June. 2019

Ulrik Pedersen, Gary Yendell
Diamond Light Source
Mark couldn’t make it…

• Fortunately his slides could…
• Introduction
  – Collaboration
  – Workflow
• areaDetector overview
  – Architecture, goals
  – Drivers
  – Plugins
  – Viewers
• Changes, new features and future
  – Version 3.x news
  – PVAccess
  – Codec/compression
  – Future
How to pitch these talks?

• Who has worked with areaDetector at all?
• With areaDetector 2.x?
  – i.e. on github
• With areaDetector 3.x?
  – Latest, bleeding edge…
areaDetector Collaboration

- areaDetector Working Group established in 2013
  - WG co-chaired by Mark Rivers and Ulrik Pedersen
  - Regular video conference meetings every 1,2,3 months for a couple of years
  - Workshops such as this one!

- **Source code moved to github**
  - Drivers and framework split up into separate repos
    - ADCore
    - ADSupport
    - ADSimDetector
    - Etc
areaDetector Collaboration

• Collaborative workflow: Github Pull Request
  – Developer: Fork repo, clone, branch, code, test, push, issue Pull Request
  – Collaborators: review, discuss
  – Maintainers (typically Mark): merge

• Discuss fixes and features: raise issue on ADCore or other relevant repo

• Ask for help: Tech-talk mailing list
  – Mark does an amazing job there!!!