Winter 2015 Release Status
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Winter 2015 Plan
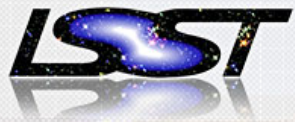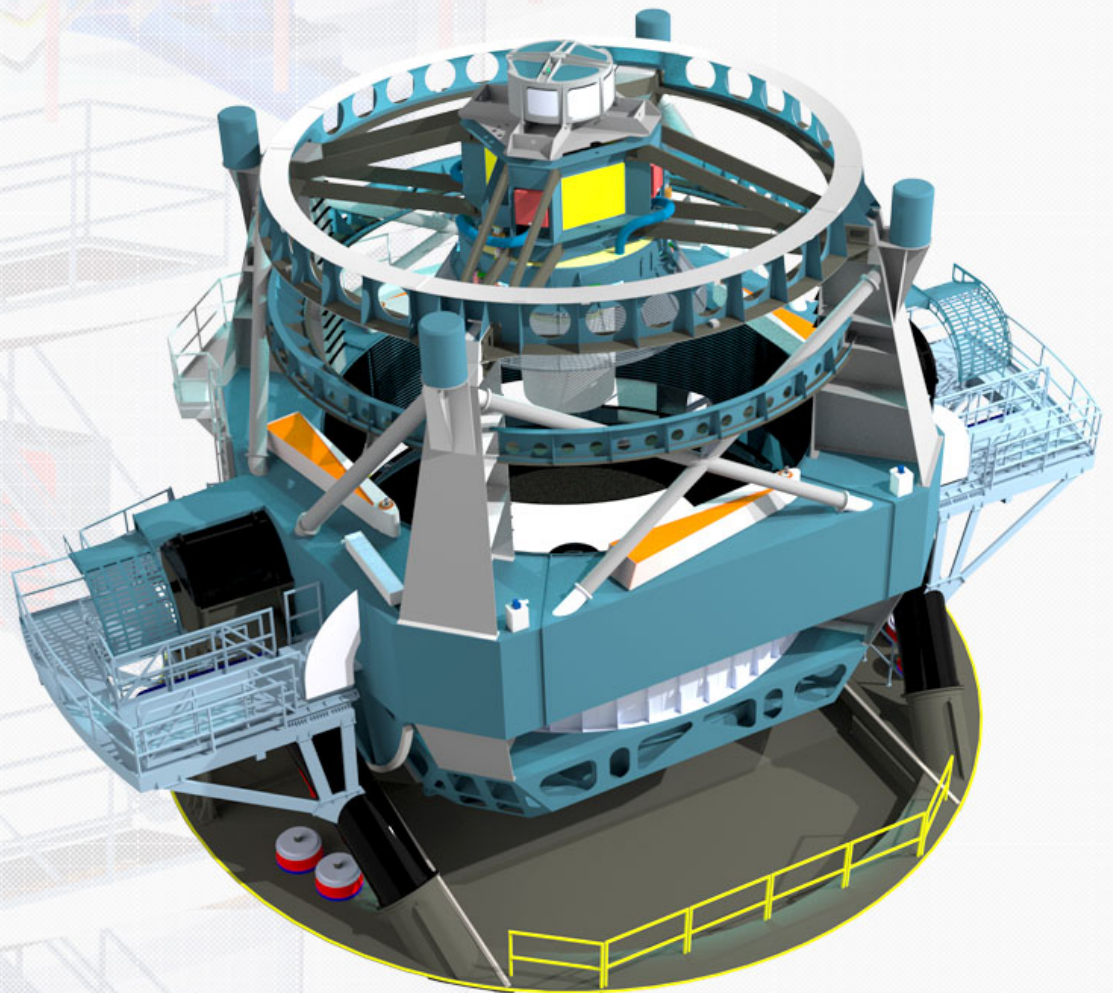
- JIRA Agile bottom-up planning
  - 75 Epics, 198 Stories, 1033 Total Story Points
  - Highlights include:
    - qserv refactoring and enhancments
    - upgrade of development infrastructure
    - automation of continuous integration
    - pipeline fault tolerance
    - multifit plug-in framework
    - SUI design and prototype
    - OpenStack evaluation
    - CameraGeom software for Camera team
    - improved astrometry
- Imported into PMCS
  - LOE activities also in PMCS
  - Used "standard velocity" of 1.4 SP/day to establish durations
  - Resources loaded and leveled

Resource loading by Story Points/Availability

- **Non-scientists (i.e. those who do not get science time)**
  - Total working hours available in 6 month period: 900
  - Total hours assigned to LOE management work (leaders only): 180
  - Total hours assigned to Wxx/Sxx epic planning every 6 months (leaders only): 80
  - Total hours available for epics and bug fixes (leaders): 640
  - Total hours available for epics and bug fixes (non-leaders): 900
  - At 1.4 SP/8 hours, total SP budget (leaders): 112 Story Points
  - At 1.4 SP/8 hours, total SP budget (non-leaders): 157 Story Points
- **Scientists (i.e. those who do get science time)**
  - Total working hours available in 6 month period: 720
  - Total hours assigned to LOE management work (leaders only): 140
  - Total hours assigned to Wxx/Sxx epic planning every 6 months (leaders only): 80
  - Total hours available for epics and bug fixes (leaders): 500
  - Total hours available for epics and bug fixes (non-leaders): 720
  - At 1.4 SP/8 hours, total SP budget (leaders): 87 Story Points
  - At 1.4 SP/8 hours, total SP budget (non-leaders): 126 Story Points

  Notes: W15 is only 5 months long, so multiply the above SP budgets by 5/6

- 42 Stories, 166 Story Points completed
- Positive cost variance = spending less than planned
- Negative schedule variance = earning less value than planned
- "Real" causes
  - Slower staff ramp up than planned
  - New epics created due to changing priorities and not mapped into W15 cycle
- Possible "structural" causes
  - "Off-budget" resources performed work
  - Work performed but not captured in stories
  - Stories completed but not marked Done
  - Work captured in stories but not mapped into existing epics

- Right now we have no Level 3 WBS that exceeds the thresholds for EV Variance explanations
  - 02C.05.01 is close, need to address this now
  - Need to clean up any missing stories, epic links, status
- We will do a change request in January to adjust the baseline plan to reflect
  - Actual staff ramp up
  - Recover "off-budget" costs
  - New epics