

Previous month PT 1.1 - Mgt/SE

Current month Mgt/SE

Next month PT1.2 - Mgt/SE

Guide on Reporting Percentage Completed:

For software development tasks:

- use 0% if the solution is still being designed;
- use 25% if the solution's design is completed;
- use 50% if the solution is implemented and tested within the Ticket branch;
- use 75% if the implementation review is complete, the Ticket branch has been merged onto the Trunk branch, and the Ticket is closed.
- use 100% if the affected Trunk packages are tagged and released.

For level of effort tasks, use % of effort expended rounded to nearest 5%:

For other tasks, still use these increments, but apply their meaning as best as possible:

- use 0% if the deliverable is still being designed;
- use 25% if the deliverable's design is completed;
- use 50% if the deliverable is implemented awaiting review/approval;
- use 75% if the deliverable has been reviewed and in revision;
- use 100% if the deliverable is approved and posted to appropriate repository.

Note: Please place an asterisk (*) after the percent if you updated this value in this report.

Task	Start	Finish	Resources (lead first)	% Complete	Comments	Last Update
<i>Environment and Tools</i>			<i>Plante Ray</i>			
<i>ImSim Data</i>			<i>Krughoff Simon</i>			11/17
Import reference catalogs into Gator for comparison to output catalogs	11/3/10	11/4/10	Monkewitz Serge[50%]	100%		1/24/
<i>Production-Pipeline-Stage Middleware</i>			<i>Pietrowicz Steve</i>			
Improve Logging performance, reporting, error checking	8/23/10	11/2/10	Pietrowicz Steve[10%],Daues Greg[10%]	100%	Done with PT1.1 runs.	Mon 1/24/
Improve shutdown mechanism for data stack	11/3/10	11/3/10	Daues Greg[10%],Pietrowicz Steve[35%]	25%	Solution designed and being worked on for weekly runs	2/22/
Complete JobOffice? implementation to allow integration of Source Association	9/2/10	10/22/10	Plante Ray[50%]	100%	This capability was integrated; however, it was not used in PT1.1.(due to Source Association constraints); thus, I can't	01/25

					claim it is fully validated.	
Automate transfer of data to/from MSS for staging/storing results of a production tool	9/9/10	10/26/10	Plante Ray[10%],Adams Darren	100%	sufficient capability in 1.1, more automated in 1.2	01/26/10
<i>Data Release Production Architecture and Performance</i>			<i>Lim KT</i>			
<i>Data Access Middleware and Database</i>			<i>Lim KT</i>			
Pass through comments in FITS headers	10/20/10	11/2/10	Lim KT[25%]	0%	Some design done, unclear if this will make PT1.1. Requires changes to afw, exposure, persistence of them. Also would implement preserving header order with this.	Sun 10/10/10
Persist image characterization matches against reference catalog	10/25/10	11/1/10	Lang Dustin, Lim KT	25%		10/25/10
<i>Point Source Photometry</i>			<i>Lupton Robert</i>			
Implement photometry/astrometry flag	10/20/10	11/2/10	Lang Dustin[50%]	0%		NA
Implement aperture corrections	8/23/10	10/26/10	Bickerton Steve[50%]	50%		Mon 10/18/10
<i>Galaxy Photometry</i>			<i>Bosch Jim</i>			2/21/10
Determine fitting code failure modes	8/23/10	10/29/10	Bosch Jim[10%],Dubcovsky Martin[50%]	90%	Porting external multi-scale shapelet code to meas/multifit, working on necessary changes to afw at the same time.	Wed 11/10/10
Update Source class for galaxy photometry, incl formatters	9/6/10	11/1/10	Monkewitz Serge[50%],Lupton Robert[50%]	25%	Testing on individual CCDs, characterizing failures (progress is essentially open-ended).	Tue 10/12/10
<i>Source Association</i>			<i>Serge Monkewitz</i>			
Define SDQA metrics for Source Association	8/23/10	10/22/10	Monkewitz Serge[50%],Axelrod Tim[25%]	75%	New meas::algorithms should support this, needs to be confirmed	Tue 11/02/10
Implement SDQA metrics for Source Association	8/26/10	11/2/10	Monkewitz Serge[50%]	90%	initial metrics defined	1/24/10
Change Source Association to use inverse variance weighting and calibrated fluxes	11/2/10	11/4/10	Monkewitz Serge[50%]	100%	Some metrics deferred to PT1.2	1/24/10

<i>Build and Test</i>			<i>Allsman Robyn</i>		This is an ongoing and evolving task	2/21/
Monitor buildbot integration and test	9/6/10	10/29/10	Allsman Robyn[25%]	80%	A buildbot script automating the build of a Production Run Trunk stack was provided to the Production Run Master.	2/21/
<i>Production Runs</i>			<i>Daues Greg</i>			
App debug/practice runs on lsst with <u>ImSim</u> data	10/20/10	11/2/10	Daues Greg[10%]	0%		NA
Abe runs with <u>ImSim</u> data subsets	11/5/10	11/18/10	Daues Greg[50%]	100%	A practice run has processed Imsim visit v85661762-fr (189 CCDs) using the 4.1.0.x software stack with no reported errors/exceptions. A 6-visit run will be initiated after Apps updates in response to the 1-visit run are complete. Want to freeze stack on 11/1/10, will do a series of runs between now and then. Want 3-day turn-around on fixes. 2000 Series runs of 441 <u>ImSim</u> visits completed and archived.	Fri 1/
<i>User Support</i>			<i>Shaw Dick</i>			
Prepare Data Challenge Handbook	8/23/10	11/2/10	Shaw Dick[50%]	100%*	Handbook v1.0 published on 6-Jan. List of errata started on Science Wiki	1/24/
Organize DM User Support	9/20/10	11/9/10	Shaw Dick[50%]	100%*	HelpDesk up and running. Presentation on PT1.1 production was made at AAS splinter session.	1/24/
Configure/tune catalogs	11/10/10	11/23/10	Becla Jacek[10%]	100%*	Final schema tweaks: building indexes, performance optimizations	01/24/
<i>Data Analysis</i>			<i>Axelrod Tim</i>			
DM Scientist/Engineer? data analysis	10/20/10	11/2/10	Axelrod Tim[50%],Lupton Robert[50%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw Dick[50%]	75%	Analyzed photometric quality of PT1.1 runs, and determined that per-ccd zeropoints were inaccurate. Implemented an "afterburner" code to correct this problem, and applied it to the	1/24/

					rplante_DC3b_u_pt11final database. Calibrated photometry for the majority of objects now stable in time to roughly 0.02 mag, but there are significant outliers. Both photometric and astrometric performance analysis included in Data Challenge Handbook.	
Science Collaboration data analysis workshop	1/9/11	1/9/11	Science Collaboration	100%		1/25/
Data analysis report in Handbook	12/1/10	12/7/10	Axelrod Tim[50%],Lupton Robert[50%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw Dick[50%],Science Collaboration	100%		1/25/

Other Activity