

Previous month PT 1.1 - Mgt/SE

Current month Mgt/SE

Next month PT1.1 - 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 Updated
<i>Environment and Tools</i>			<i>Plante Ray</i>			
Support trac, svn, systems administration	8/30/10	11/1/10	Pietrowicz Steve[15%]	100% *		Mon 11/29/10
<i>ImSim Data</i>			<i>Krughoff Simon</i>		All fields have been simulated and transferred to NCSA. Reference catalogs have been delivered to S.M. and have been ingested. Reference catalogs have also been used to rebuild indexes for astrometry.net	11/17/2010
Create <u>ImSim</u> Data Flow for PT 1.1 from all image generation sites	9/1/10	10/22/10	Plante Ray[25%],Krughoff Simon[25%]	100%*	All fields generated and transferred to	Mon 11/29/2010

Guide on Reporting Percentage Completed:

					NCSA.	
Generate reference star galaxy catalogs (turn on magnitudes, w/improved photometry)	9/20/10	11/2/10	Krughoff Simon[30%],Gibson Rob	100%	Star catalog generation complete. 10% of stars flagged as variable. Galaxy generation complete to r < 23, sufficient. Delivered to Serge M.	Fri 11/12/10
Import reference catalogs into Gator for comparison to output catalogs	11/3/10	11/4/10	Monkewitz Serge[50%]	0%		NA
<i>Production-Pipeline-Stage Middleware</i>			<i>Pietrowicz Steve</i>		Runs being executed as the stack is updated; durations scripted completed; additional work on logging implemented.	
Improve Logging performance, reporting, error checking	8/23/10	11/2/10	Pietrowicz Steve[10%],Daues Greg[10%]	50%	Runs being executed to test new stack code; durations scripts completed so execution can be done for reports; logging system speed ups; Log statements with CPU time, Sys time, Wall time need to be implemented throughout (not just visits), and will be shortly.	Mon 11/29/10
Update Event Monitor for execution statistics	9/6/10	11/2/10	Pietrowicz Steve[15%]	100% *	Completed	Mon 11/29/10
Improve shutdown mechanism for data stack	11/3/10	11/3/10	Daues Greg[10%],Pietrowicz Steve[35%]	0%	Not required for production runs.	NA
Complete JobOffice? implementation to allow integration of Source Association	9/2/10	10/22/10	Plante Ray[50%]	50%	Implementation is completed; includes unit tests; need to complete integration tests	Tue 10/12/10

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	75%	Limited capability in 1.1, more extensive in 1.2	Tue 10/12/10
<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>			
Determine fitting code failure modes	8/23/10	10/29/10	Bosch Jim[10%],Dubcovsky Martin[50%]	90%	Testing on individual CCDs, characterizing failures (progress is essentially open-ended).	Wed 11/10/2010
Determine fitting outputs to be stored in database	10/28/10	10/29/10	Bosch Jim[10%],Dubcovsky Martin[50%]	100%	Determining additional flags for modeling failures.	Sun 10/24/2010
Update Source class for galaxy photometry, incl formatters	9/6/10	11/1/10	Monkewitz Serge[50%],Lupton Robert[50%]	25%	New meas::algorithms should support this, needs to be confirmed	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%	initial metrics defined	Tue 11/02/10

Implement SDQA metrics for Source Association	8/26/10	11/2/10	Monkewitz Serge[50%]	50%	Working on ref to object catalog matching.	Tue 11/02/10
Change Source Association to use inverse variance weighting and calibrated fluxes	11/2/10	11/4/10	Monkewitz Serge[50%]	0%		NA
<i>Build and Test</i>			<i>Allsman Robyn</i>			11/1/10
Monitor buildbot integration and test	9/6/10	10/29/10	Allsman Robyn[25%]	80%	Failure email now uses direct locator to error log; Still working on upgrade of slaves to gcc 4.4 to bring into alignment with development software environment	11/29/10
<i>Production Runs</i>			<i>Daues Greg</i>			
App debug/practice runs on Isst 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%]	15%	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.	Fri 10/15/10
<i>User Support</i>			<i>Shaw Dick</i>			
Prepare Data Challenge Handbook	8/23/10	11/2/10	Shaw Dick[50%]	65% *	Awaiting requested input on details of processing algorithms. Technical review	11/29/10

					now planned for 10-Dec.	
Organize DM User Support	9/20/10	11/9/10	Shaw Dick[50%]	65% *	Most User Support issues resolved, except HelpDesk software. Planning for pre-AAS session on PT1.1 data access is underway.	11/29/10
Configure/tune catalogs	11/10/10	11/23/10	Becla Jacek[10%]	25%	Loaded schema for reference catalog to EA.	11/29/10
<i>Data Analysis</i>			<i>Axelrod Tim</i>		A few initial tasks done. Bulk of analysis awaits larger output data sets	
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%]	ACB:50%	ACB:Completed unified pipeline runs on phot test data; currently comparing to input catalogs. Results: completeness to 23rd magnitude; PSF flux uncertainties need to have 1.2% added in quadrature on the bright end to be commensurate with scatter; photometry repeatability to 1.5% on bright end.	11/29/10
Science Collaboration data analysis	11/10/10	12/7/10	Science Collaboration	0%		NA
Data analysis report	12/1/10	12/7/10	Axelrod Tim[50%],Lupton Robert[50%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw	0%		NA

		Dick[50%], Science Collaboration		
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**Other Activity**