

Previous month PT1.2 - 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 Updated
<i>Infrastructure</i>			<i>Mike Freemon</i>			
Acquire and configure new storage to replace SAN	20110131	20110425	Pietrowicz Steve[5%]	50%*	System being configured at vendor	20110324
Relocate servers from ACB to NCSA building	20110425	20110627	Gehrig David[10%]	0%	waiting on facility electrical wiring to be completed, expected within 2 weeks	20110324
<i>Environment and Tools</i>			<i>Ray Plante</i>			
TCT approval for environment/tool updates	20110309	20110309	Allsman Robyn[50%]	10%	Requests for such updates are received from SAT and then handled; <u>OnVersionNumbers</u> Policy being voted on.	20110309
Install, configure, publish environment/tool updates	20110201	20110315	Plante Ray[25%]	25%		20110324

Complete eups release	20110208	20110325	Plante Ray[25%]	25%		20110324
Update environment and tools documentation	20110325	20110330	Plante Ray[50%]	0%		20110324
Support trac, svn, systems administration	20110131	20110617	Gehrig David[15%]	33%*	level-of-effort task	20110322
<i>ImSim Data</i>			<i>Simon Krughoff</i>			
Prepare and code to generate images and catalogs	20110131	20110405	Krughoff Simon[30%]	50%		20110324
Test generation of images and catalogs	20110328	20110411	Krughoff Simon[30%]	*50%		20110324
Generate images and catalogs	20110411	20110509	Krughoff Simon[30%],Gibson Rob	0%		20110324
Support <u>ImSim</u> data	20110509	20110606	Krughoff Simon[10%]	0%		20110324
Import reference catalogs into Gator for comparison to output catalogs	20110509	20110511	Monkewitz Serge[50%]	0%		20110307
<i>Production-Pipeline-Stage Middleware</i>			<i>Steve Pietrowicz</i>			
Complete generic end-of-data stop mechanism	20110307	20110401	Daues Greg[25%],Pietrowicz Steve[10%]	100%*	Tagged and released.	20110324
<i>Data Access Middleware and Database</i>			<i>KT Lim</i>		<i>PT1.2 schemas are now more readily updated as the Apps team adds information. The butler has been rewritten to be less camera-specific and more Policy-configurable. Source serialization improvements are underway.</i>	20110322
Butler additions/fixes	20110131	20110324	Lim KT[50%]	50%	Merge postponed due to vacation, but ready	20110322
Serialization and Persistence additions/fixes	20110214	20110325	Lim KT[50%]	25%		20110322
Schema updates for galaxy photometry and others as needed	20110309	20110324	Becla Jacek[25%]	25%*	Source table changes for S. Bickerton	20110322
Spatial support (deploying udfs, indexes etc)	20110325	20110428	Becla Jacek[25%]	10%*	Created package on launchpad	20110322
	20110429	20110526	Becla Jacek[25%]	0%		20110322

Improve schema documentation (udfs, stored functions/procedures)						
Redo db initialization (setup_perRunTables.sql etc)	20110527	20110607	Becla Jacek[25%]	10%*	Schema for per-release db initialization	20110323
<i>ISR and CCD Assembly</i>			<i>Simon Krughoff</i>			
Implement more SDQA metrics for ISR	20110309	20110322	Krughoff Simon[50%]	0%		20110324
Clean-up/re-write ISR python code	20110323	20110412	Krughoff Simon[50%]	0%		20110324
Implement raw CCDAssembly method	20110413	20110419	Krughoff Simon[50%]	0%		20110324
<i>Point Source Photometry</i>			<i>Robert Lupton</i>			
Identify and fix zeropoint calculation error	20110131	20110309	Becker Andy[25%],Lupton Robert[25%]	75%	Seems to work; I'm waiting for a suitable Tuesday Run to declare this complete	20110307
Test aperture corrections	20110204	20110311	Lupton Robert[25%]	75%	Seem to be OK to within 1% for HSC data	20110307
<i>PSF Estimation</i>			<i>Robert Lupton</i>			
Finish PSF unification	20110131	20110318	Owen Russ[20%],Jarvis Mike[80%]	25%		20110323
Update PSF formatter	20110325	20110330	Lim KT[50%]	0%	Waiting on previous task	20110307
Debug PCA PSF code	20110131	20110401	Lupton Robert[50%]	75%		20110307
<i>Galaxy Photometry</i>			<i>Jim Bosch</i>		<i>Added footprint serialization to aid in setting up realistic tests.</i>	20110405
Finish porting external shapelet code to meas/multifit	20110131	20110405	Bosch Jim[50%]	45%	Ready to merge to trunk; waiting in line behind other trunk merges.	20110405
Finish updates to afw to support meas/multifit	20110131	20110325	Dubcovsky Martin[50%]	70%	Ready to merge to trunk; waiting in line behind other trunk merges.	20110405
Implement LocalPsf? interface (with shapelets) for existing Psf classes	20110328	20110415	Dubcovsky Martin[50%],Bosch Jim[50%]	40%	afw Psfs done, meas/algorithms Psfs waiting on other merges before we can make ticket branch	20110405

R&D for optimizers, parameterizations, and inputs	20110415	20110506	Dubcovsky Martin[50%], Bosch Jim[50%]	5%	Prepping for tests on GREAT10 simulations (Jim's research; also serves as an intermediate testing step between current "cheating" tests and <u>ImSim</u> runs).	20110405
Implement gaussian photometry	20110131	20110310	Lupton Robert[25%]	75%	On HSC-DC2 branch	20110307
Implement Petrosian photometry	20110207	20110314	Lupton Robert[25%]	50%		20110307
Implement Kron photometry	20110214	20110317	Lupton Robert[25%]	50%		20110307
Fix Source class for memory bloat for Source Association	20110420	20110426	Monkewitz Serge[25%], Lupton Robert[50%]	0%		20110307
Co-addition	20110131	20110506	Owen Russ[0%]	25%		20110323
Pipette scripts	20110131	20110315	Owen Russ[50%]	25%		20110323
Write outlier-rejected psf-matched co-addition	20110315	20110329	Owen Russ[50%]	25%		20110323
Chi-squared co-addition	20110329	20110404	Owen Russ[50%]	50%		20110323
Update co-addition to use the new afw with unified geometry classes	20110404	20110408	Owen Russ[50%]	75%		20110323
Finish sky pixelization	20110408	20110506	Owen Russ[50%]	0%		20110323
Templates and Difference Imaging	20110131	20110506	Becker Andy[0%]	13%		20110307
Merge ip_diffim development ticket to trunk	20110131	20110329	Becker Andy[50%]	25%	Code is basically finished, requires unit tests and documentation upgrades	20110307
Support Psf matching for template creation	20110228	20110408	Becker Andy[50%]	25%		20110307
Assess quality of generated templates	20110408	20110506	Becker Andy[50%]	0%		20110307
Implement image subtraction on visit pairs	20110330	20110412	Becker Andy[50%]	0%		20110307
<i>Quality Assessment</i>	20110131	20110513	<i>Andy Becker</i>	25%	<i>pipeQA package is established and being used for debugging of weekly runs. Catching problems both in apps quality and in</i>	20110323

					<i>middleware and package synchronization</i> <i>Next steps are to generate and persist actual Sdqa Metrics from this.</i>	
Implement SDQA metrics for Source Association	20110309	20110310	Monkewitz Serge	0%		20110307
Implement QA Pipeline package	20110131	20110419	Bickerton Steve[50%],Becker Andy[5%]	50%		20110322
Generate automatic QA metrics on pipeline runs	20110328	20110513	Becker Andy[50%]	25%	pipeQA infrastructure built and working. Not yet implemented is creation and persistence of actual SDQA Metrics	20110322
<i>Build and Test</i>			<i>Robyn Allsman</i>		Automatic Standards Checking is still on hold. Parasoft determined that CPPTTEST is no longer handling C++ templates correctly; they are working on the issue.	20110322
Install and integrate new Parasoft release	20110131	20110311	Allsman Robyn[50%]	50%*	Parasoft CPPTTEST v9.0 failing due to missing Eigen template instantiations. Same eigen access worked in previous CPPTTest version. Parasoft took entire release for debug and determined it's their problem.	20110315
Buildbot development for pipette	20110311	20110318	Allsman Robyn[50%]	0%	Waiting for pipette release	20110315
Incorporate standards into buildbot trunk validation	20110318	20110603	Allsman Robyn[25%]	0%	Blocked on CPPTTEST failure.	20110315
Maintain buildbot integration and test	20110131	20110617	Allsman Robyn[25%]	27%	Installed new nightly test of compile/load sequence for Trunk vs Trunk (no Tests); now attempting to	20110315

					speed up the process since the full stack build takes hours.	
<i>Production Runs</i>			<i>Greg Daues</i>			
Migrate processing from abe to new platform	20110225	20110408	Plante Ray[10%],Daues Greg[10%]	50%	Debugging Condor-G job submissions against GRAM5 gatekeepers on TACC machines Lonestar4, Ranger A test Condor-G job submission to Lonestar4/gt5 has succeeded (initial test outside of LSST framework)	20110324
Set up weekly runs	20110131	20110322	Daues Greg[50%]	50%		20110307
Weekly runs	20110323	20110510	Daues Greg[5%]	50%*	Scripts for executing weekly runs with tagged and trunkVsTrunk stacks have been checked into datarel trunk bootstrap script for use by buildbot ready for testing	20110324
Production debug/practice runs	20110420	20110510	Daues Greg[20%]	0%		20110307
Full Production runs	20110511	20110628	Daues Greg[50%]	0%		20110307
<i>User Support</i>			<i>Dick Shaw</i>			
Update Data Challenge Handbook	20110131	20110421	Shaw Dick[50%]	10%	Interim update to DC3b/PT1.1 planned for mid-April to include quality analysis; another update to document PT1.2 processing run is planned for 30 June.	20110324
Update DM User Support	20110421	20110526	Shaw Dick[50%]	5%*	Improved automation for User	20110324

					questions and issue tracking: No improvements needed for PT1.1, but improved tracking may be needed for the June 2011 release.	
Configure/tune catalogs	20110526	20110609	Becla Jacek[10%]	0%		20110307
<i>Data Analysis</i>			<i>Tim Axelrod</i>			
DM Scientist/Engineer? data analysis	20110420	20110628	Axelrod Tim[50%],Lupton Robert[50%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw Dick[50%]	0%		20110307
Science Collaboration data analysis	20110609	20110721	Science Collaboration	0%		20110307
Data analysis report in handbook	20110721	20110804	Axelrod Tim[50%],Lupton Robert[25%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw Dick[50%],Science Collaboration	0%		20110307