

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. Please update the "Last Update" date even if the value doesn't change, so we'll know whether we have the most current information.

Task	Start	Finish	Resources (lead first)	% Complete	Comments
<i>Infrastructure</i>			<i>Mike Freemon</i>		
Acquire and configure new storage to replace SAN	20110131	20110503	Freemon Mike[5%]	75%	This machine has arrived, and is being clustered.
Relocate servers from ACB to NCSA building	20110425	20110627	Gehrig David[10%]	25%	Servers will be relocated next week
<i>Environment and Tools</i>			<i>Ray Plante</i>		
TCT approval for environment/tool updates	20110309	20110418	Allsman Robyn[50%]	50%	This is an on-demand task. 'eigen 3.0 experimental use was OKed.
Install, configure, publish environment/tool updates	20110201	20110422	Plante Ray[25%]	25%	

Complete eups release	20110208	20110503	Plante Ray[25%]	25%	
Update environment and tools documentation	20110503	20110506	Lim KT[50%]	0%	Still not sure what this is.
Support trac, svn, systems administration	20110131	20110617	Gehrig David[15%]	70%*	ongoing item
<i>ImSim Data</i>			<i>Simon Krughoff</i>		
Prepare and code to generate images and catalogs	20110131	20110505	Krughoff Simon[30%],Lim KT[5%]	*75%	The last part of this task is to deliver r products. This should be done by next
Test generation of images and catalogs	20110328	20110506	Krughoff Simon[30%]	75%	Stars + Galaxies Tuesday run data del
Generate images and catalogs	20110506	20110610	Krughoff Simon[30%],Gibson Rob	*50%	Input catalogs are generated. First run underway. Reference catalogs are bei
Support <u>ImSim</u> data	20110610	20110708	Krughoff Simon[10%]	0%	
Import reference catalogs into Gator for comparison to output catalogs	20110610	20110614	Monkewitz Serge[50%]	50%	I've been loading reference catalogs to Gator ingest doesn't make sense until catalogs we know we'll use for the 20
<i>Data Access Middleware and Database</i>			<i>KT Lim</i>		
Serialization and Persistence additions/fixes	20110214	20110427	Lim KT[50%]	100%*	Fixes for Source "blob" persistence and PT1.2. Major butler changes are comp
Schema updates for galaxy photometry and others as needed	20110309	20110420	Becla Jacek[25%]	100%*	
Spatial support (deploying udfs, indexes etc)	20110325	20110509	Serge Monkewitz [20%] Becla Jacek[20%]	75%*	Deployed spatial UDFs on lsst10 (basic implemented HTM-based solution (far better APIs than the basic version) - d will deploy in 1-2 weeks.
Improve schema documentation (udfs, stored functions/procedures)	20110509	20110606	Becla Jacek[25%]	10%*	Started designing the format of docum
<i>ISR and CCD Assembly</i>			<i>Simon Krughoff</i>		
Implement more SDQA metrics for ISR	20110418	20110429	Krughoff Simon[50%]	0%	
Clean-up/re-write ISR python code	20110323	20110517	Krughoff Simon[50%]	25%	Begun as part of the #1556 merge
	20110517	20110524		0%	

Implement raw CCDAssembly method			Krughoff Simon[50%]		
<i>Point Source Photometry</i>			<i>Robert Lupton</i>		
Identify and fix zeropoint calculation error	20110131	20110418	Becker Andy[25%],Lupton Robert[25%]	100%	This appears solved, modulo addressing edges of the focal plane
Test aperture corrections	20110204	20110420	Lupton Robert[25%]	75%	
<i>PSF Estimation</i>			<i>Robert Lupton</i>		
Finish PSF unification	20110131	20110427	Owen Russell[20%],Jarvis Mike[80%]	25%	Merged HSC changes into meas_algo and updated meas_pipeline to match. unit tests.
Update PSF formatter	20110418	20110425	Lim KT[50%]	0%	Depends on previous
Debug PCA PSF code	20110131	20110503	Lupton Robert[50%]	75%	
<i>Galaxy Photometry</i>			<i>Jim Bosch</i>		<i>Code is working in small-scale tests. Integration into the source measurement pipeline is pending.</i>
R&D for optimizers, parameterizations, and inputs	20110415	20110506	Dubcovsky Martin[50%],Bosch Jim[50%]	75%	Implmentation complete. Still need to test and tune algorithmic options.
Implement Kron photometry	20110214	20110419	Lupton Robert[25%]	75%	Not critical for production start
Fix Source class for memory bloat for Source Association	20110524	20110531	Monkewitz Serge[25%],Lupton Robert[50%]	0%	Fixing this properly is a post 1.2 item. The new photometry runs will be used to determine if any action is needed
Implement Chebyshev Function	20110419	20110421	Owen Russell[50%]	100%*	
Update SourceAssoc to average galaxy photometry measurements	20110601	20110630	Monkewitz Serge	0%	For now, this will be limited to fluxes and not magnitudes. Included at a later date
<i>Co-addition</i>			<i>Owen Russell</i>		
Pipette scripts	20110131	20110420	Owen Russell[50%]	50%	All scripts are written and updated for those changes need to be tested and on new and completely untested.
Write outlier-rejected psf-matched co-addition	20110315	20110502	Owen Russell[50%]	25%	Written as a pipette script but not tested. coadd_pipeline yet.
Chi-squared co-addition	20110329	20110503	Owen Russell[50%]	75%	coadd_chisquared package is done. Need to update coadd_pipeline stage updates.
Update co-addition to use the new afw with unified geometry classes	20110404	20110504	Owen Russell[50%]	75%	coadd_utils and coadd_chisquared are done. coadd_psfmatched has been updated for the new afw (I had to update ip_diffim first, now I can update the other things). coadd_pipeline needs updating (pipette coaddition scripts).

Finish sky pixelization	20110504	20110601	Owen Russell[50%]	0%	
<i>Templates and Difference Imaging</i>			<i>Becker Andy</i>		
Merge ip_diffim development ticket to trunk	20110131	20110506	Becker Andy[50%]	50%	Waiting on #1649 , #1668 . Merging in
Support Psf matching for template creation	20110228	20110513	Becker Andy[50%]	50%	
Assess quality of generated templates	20110516	20110610	Becker Andy[50%]	0%	No templates generated yet
Implement image subtraction on visit pairs	20110330	20110513	Becker Andy[50%]	50%	Requires merging #1140 to trunk
<i>Quality Assessment</i>			<i>Andy Becker</i>		
Implement SDQA metrics for Source Association	20110309	20110418	Monkewitz Serge	90%	Implemented reference catalog to sou SourceAssoc ingest
Implement QA Pipeline package	20110131	20110513	Bickerton Steve[50%],Becker Andy[5%]	50%	Is being run on all weekly runs. Bicke working on documentation.
Generate automatic QA metrics on pipeline runs	20110328	20110530	Becker Andy[50%]	75%	Metrics are being generated, tho its un using them yet.
<i>Build and Test</i>			<i>Robyn Allsman</i>	75%	Buildbot is operational - automatically Development versions on a nightly ba on-demand testing via a web-form int
Install and integrate new Parasoft release	20110131	20110420	Allsman Robyn[50%]	50%	Parasoft is debugging their recent rele handles LSST's C++ template usage; timeframe
Buildbot development for pipette	20110420	20110427	Allsman Robyn[50%]	0%	No action
Incorporate standards into buildbot trunk validation	20110427	20110713	Allsman Robyn[25%]	0%	No action
Maintain buildbot integration and test	20110131	20110722	Allsman Robyn[25%]	50%*	See daily status page: ?http://dev.lsstcorp.org/trac/wiki/DM
<i>Production Runs</i>			<i>Greg Daues</i>		
Migrate processing from abe to new platform	20110225	20110513	Plante Ray[10%],Daues Greg[10%]	50%	Production scale runs (189 workers - data set [506 CCDs], 378 workers - 3 have executed without apparent errors Small scale runs are also succeeding o both platforms the issue of getting a c up-to-date tagged releases is ongoing.
Weekly runs	20110323	20110511	Allsman Robyn[5%]	60%*	Maintaining/updating the weekly runs process, e.g., changes to the run chara input data, new reference catalogs, an

Production debug/practice runs	20110420	20110511	Daues Greg[20%]	0%	
Full Production runs	20110511	20110629	Daues Greg[50%]	0%	
<i>User Support</i>			<i>Dick Shaw</i>		
Update Data Challenge Handbook	20110131	20110624	Shaw Dick[50%]	25%	This will not be done before Production
Update DM User Support	20110421	20110617	Shaw Dick[50%]	25%	Includes SIA tools evaluation, setup S cache testing
Configure/tune catalogs	20110526	20110624	Becla Jacek[10%]	50%	All tune-ups needed so far has been d
<i>Data Analysis</i>			<i>Tim Axelrod</i>		
DM Scientist/Engineer? data analysis	20110420	20110629	Axelrod Tim[50%],Lupton Robert[50%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw Dick[50%]	0%	
Science Collaboration data analysis	20110627	20110805	Science Collaboration	0%	
Data analysis report in handbook	20110808	20110819	Axelrod Tim[50%],Lupton Robert[25%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw Dick[50%],Science Collaboration	0%	