

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 Updated
<i>Infrastructure</i>			<i>Freemon Mike</i>			
Acquire and configure new storage to replace SAN	1/31/11	4/1/11	Pietrowicz Steve[5%]	25%*	New configuration has been ordered from vendor	3/7/11
Relocate servers from ACB to NCSA building	4/4/11	6/3/11	Gehrig David[10%]	0%		
<i>Environment and Tools</i>			<i>Plante Ray</i>			
TCT approval for environment/tool updates	1/31/11	1/31/11	Allsman Robyn[50%]	0%	Requests for such updates are received from SAT and then handled	3/4/11
Install, configure, publish environment/tool updates	2/1/11	2/7/11	Plante Ray[25%]	25%		3/15/11
Complete eups release	2/8/11	2/21/11	Plante Ray[25%]	25%		3/15/11
Update environment and tools documentation	2/22/11	2/24/11	Lim KT[50%]	0%		9/2/10

Support trac, svn, systems administration	1/31/11	6/17/11	Gehrig David[15%]	0%		10/15/10
<i>ImSim Data</i>			<i>Krughoff Simon</i>			
Prepare and code to generate images and catalogs	1/31/11	3/25/11	Krughoff Simon[30%],Gibson Rob	*50%	Base catalogs for stars and solar system objects are done. Galaxy and agn catalog is in preparation. Framework code is complete for stars and galaxies. Variability and SSM objects to be added.	3/7/11
Test generation of images and catalogs	3/28/11	4/1/11	Krughoff Simon[30%]	*25%	Testing of base catalogs is ongoing. Images generated from new base catalogs will be integrated with the Tuesday run as soon as the imsim code is deemed stable	3/7/11
Generate images and reference catalogs	4/4/11	4/29/11	Krughoff Simon[30%],Gibson Rob	0%	Not Started	3/7/11
Support <u>ImSim</u> data	5/2/11	5/27/11	Krughoff Simon[10%]	0%	Not Started	3/7/11
Import reference catalogs into Gator for comparison to output catalogs	5/2/11	5/3/11	Monkewitz Serge[50%]	0%		
<i>Production-Pipeline-Stage Middleware</i>			<i>Pietrowicz Steve</i>			
Complete generic end-of-data stop mechanism	3/7/11	4/1/11	Daes Greg[25%], Pietrowicz Steve[10%]	25%*	Design completed. Performing final testing, near completion. Not required for production runs.	3/8/11
<i>Data Access Middleware and Database</i>			<i>Lim KT</i>			
Butler additions/fixes (#1495)	1/31/11	2/11/11	Lim KT[50%]	50%*		
	2/14/11	2/25/11	Lim KT[50%]	25%*		

Serialization and Persistence additions/fixes						
Schema updates for galaxy photometry and others as needed	1/31/11	2/15/11	Becla Jacek[25%]	0%		3/1/11
Spatial support (deploying udfs, indexes etc)	2/16/11	3/22/11	Becla Jacek[25%]	0%		3/1/11
Improve schema documentation (udfs, stored functions/procedures)	3/23/11	4/19/11	Becla Jacek[25%]	0%		3/1/11
Redo db initialization (setup_perRunTables.sql etc)	4/20/11	4/29/11	Becla Jacek[25%]	0%		3/1/11
<i>ISR and CCD Assembly</i>			<i>Krughoff Simon</i>			
Implement more SDQA metrics for ISR	1/31/11	2/11/11	Krughoff Simon[50%]	0%	Not started	3/7/11
Clean-up/re-write ISR python code	2/14/11	3/4/11	Krughoff Simon[50%]	0%	Not started	3/7/11
Implement raw CCDAssembly method	3/7/11	3/11/11	Krughoff Simon[50%]	0%	Not started	3/7/11
<i>Point Source Photometry</i>			<i>Lupton Robert</i>			
Identify and fix zeropoint calculation error	1/31/11	2/3/11	Becker Andy[25%],Lupton Robert[25%]	75%*	Seems to work; I'm waiting for a suitable Tuesday Run to declare this complete	2011/03/07
Test aperture corrections	2/4/11	3/3/11	Lupton Robert[25%]	75%*	Seem to be OK to within 1% for HSC data	2011/03/07
<i>PSF Estimation</i>			<i>Lupton Robert</i>			
Finish PSF unification	1/31/11	2/11/11	Owen Russ[20%],Jarvis Mike[80%]	20%		3/8/11
Update PSF formatter	1/31/11	2/7/11	Lim KT[50%]	0%		
Debug PCA PSF code	1/31/11	2011/04/01	Lupton RH[50%]	75%*	Worked on it in Japan	2011/03/07
<i>Galaxy Photometry</i>			<i>Bosch Jim</i>			
Finish porting external shapelet code to meas/multifit	1/31/11	3/25/11	Bosch Jim[50%]	40%	C++ code is ported. Still need to add SWIG and unit tests.	3/1/11
Finish updates to afw to support meas/multifit	1/31/11	3/4/11	Dubcovsky Martin[50%]	60%	Need to track down a few more test failures before merge to trunk.	3/1/11

Implement LocalPsf interface (with shapelets) for existing Psf classes	3/28/11	4/8/11	Dubcovsky Martin[50%],Bosch Jim[50%]	20%	Mostly designed; need to confer with other PSF owners on where to make necessary changes.	3/1/11
R&D for optimizers, parameterizations, and inputs	4/11/11	4/29/11	Dubcovsky Martin[50%],Bosch Jim[50%]	5%	Implementing iterative importance sampling optimizer. May be too slow to use in production, but should be very robust and will at least be useful in testing the performance of other optimizers.	3/1/11
Implement gaussian photometry	1/31/11	2/4/11	Lupton Robert[25%]	75%*	On HSC-DC2 branch	2011/03/07
Implement Petrosian photometry	2/7/11	2/11/11	Lupton Robert[25%]	50%		2011/03/07
Implement Kron photometry	2/14/11	2/18/11	Lupton Robert[25%]	50%*		2011/03/07
Fix Source class for memory bloat for Source Association	3/14/11	3/18/11	Monkewitz Serge[25%],Lupton Robert[50%]	0%		
<i>Co-addition</i>			<i>Owen Russ</i>			
Pipette scripts	1/31/11	2/7/11	Owen Russ[50%]	25%	New meas::algorithms should support this, needs to be confirmed	10/12/10
Write outlier-rejected psf-matched co-addition	2/8/11	2/21/11	Owen Russ[50%]	0%	Implementation essentially done; testing.	10/12/10
Chi-squared co-addition	2/22/11	2/25/11	Owen Russ[50%]	0%		
Update co-addition to use the new afw with unified geometry classes	2/28/11	3/3/11	Owen Russ[50%]	0%		
Finish sky pixelization	3/4/11	3/31/11	Owen Russ[50%]	0%		
<i>Templates and Difference Imaging</i>			<i>Becker Andy</i>			
Merge ip_diffim development ticket to trunk	1/31/11	2/25/11	Becker Andy[50%]	25%	Code is basically finished, requires unit tests and	3/1/11

					documentation upgrades	
Support Psf matching for template creation	2/28/11	3/11/11	Becker Andy[50%]	25%		3/1/11
Assess quality of generated templates	3/14/11	4/8/11	Becker Andy[50%]	0%		
Implement image subtraction on visit pairs	2/28/11	3/11/11	Becker Andy[50%]	0%		
<i>Quality Assessment</i>			<i>Becker Andy</i>			
Implement SDQA metrics for Source Association	1/31/11	2/1/11	Monkewitz Serge	0%		
Implement QA Pipeline package	1/31/11	3/25/11	Bickerton Steve[50%], Becker Andy[5%]	25%		3/3/11
Generate automatic QA metrics on pipeline runs	2/28/11	3/25/11	Becker Andy[50%]	10%	Initial pipeQA figures generated.	3/1/11
<i>Build and Test</i>			<i>Allsman Robyn</i>	0%	Parasoft cpptst v9.0 installation completed. Installation tuned for DM use. Blocked on cpptest issue where system SSE2 routine is not found (but its also never used by code).	3/4/11
Install and integrate new Parasoft release	1/31/11	2/4/11	Allsman Robyn[50%]	50% *	cppptest V9.0 has been installed on 2 systems. Integration of DM software is blocked; Parasoft is assisting.	3/4/11
Buildbot development for pipette	2/7/11	2/11/11	Allsman Robyn[50%]	0%	Until Pipette released, there is no work on this task	8/27/10
Incorporate standards into buildbot trunk validation	2/14/11	4/29/11	Allsman Robyn[25%]	0%	Blocked on cpptest integration	3/4/11
Maintain buildbot integration and test	1/31/11	6/17/11	Allsman Robyn[25%]	0%	Tracking any failed trunk builds and nudging developers to repair	3/5/11

					expeditiously	
<i>Production Runs</i>				<i>Daues Greg</i>		
Migrate processing from abe to new platform	2/25/11	3/10/11	Plante Ray[10%],Daues Greg[10%]	25%	Debugging Condor-G job submissions against GRAM5 gatekeepers on TACC machines Lonestar4, Ranger	3/08/11
Set up weekly runs	1/31/11	2/25/11	Daues Greg[50%]	0%		
Weekly runs	2/28/11	4/29/11	Daues Greg[5%]	0%		
Production debug/practice runs	4/11/11	4/29/11	Daues Greg[20%]	0%		
Full Production runs	5/2/11	6/17/11	Daues Greg[50%]	0%		
<i>User Support</i>				<i>Shaw Dick</i>		
Update Data Challenge Handbook	1/31/11	6/30/11	Shaw Dick[50%]	10%*	Wiki page created to collect DCH errata; analysis info being collected on User Forum. Interim update to DC3b/PT1.1 quality analysis planned for mid-April; another update for PT1.2 processing run is planned for 30 June.	3/7/11
Update DM User Support	3/21/11	4/22/11	Shaw Dick[50%]	0%	Improved automation for User questions and issue tracking: under discussion	3/7/11
Configure/tune catalogs	4/25/11	5/6/11	Becla Jacek[10%]	0%		
<i>Data Analysis</i>				<i>Axelrod Tim</i>		
DM Scientist/Engineer? data analysis	4/11/11	6/17/11	Axelrod Tim[50%],Lupton Robert[50%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw Dick[50%]	0%		
	5/9/11	6/17/11	Science Collaboration	0%		

Science Collaboration data analysis				
Data analysis report in handbook	6/20/11	7/1/11	Axelrod Tim[50%],Lupton Robert[50%],Bosch Jim[50%],Becker Andy[50%],Van Dyk Schuyler[25%],Shaw Dick[50%],Science Collaboration	0%

Other Activity