

# Middleware/Infrastructure? Status Report for May 15, 2010

## 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 other tasks, still use these increments, but apply their meaning as best as possible.

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

## Allsman Robyn

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI827	0%	prototype buildbot script to run pipeline unittest	<i>not started</i>

\*Percent updated in this report

Comments:

## Other Activities

## Baker Bill

Reported 4/19/10

ID	Percent	Task	Comments
MWI569	20%	Maintain automated testing structure	
MWI41	25%	Support distributable VMs for new developers	
MWI74	50%	configure test sytem for automated V&V	
MWI637	25%	Automated standards checking script	
MWI638	0%	Buildbot to detect ABI changes on trunk	<i>not started</i>
MWI661	0%	Advanced interslice communications support	<i>not started</i>
MWI662	0%	Machine-readable inputs/outputs manifest	<i>not started</i>
MWI707	25%	Automating nightly DC3b run	

\*Percent updated in this report

Comments:

### Other Activities

## Becker Andy

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI838	0%	Chop CFHT data by amp	<i>not started</i>

\*Percent updated in this report

Comments:

### Other Activities

## Becla Jacek

Reported 04/16/10

ID	Percent	Task	Comments
MWI681	75%*	Updates: exposure-related tables	
MWI691	20%	Partitioning: design partitioning of MovingObject? table	
MWI693	75%	Tools for partitioning data	
MWI831	60%	qserv: MyProxy?	
MWI832	25%*	DB backup and replication	
MWI700	25%	Benchmarking	
MWI160	25%	capturing full SW/HW info	
MWI159	0%	demonstrating re-creation of Calibrated Science Images	<i>not started</i>
MWI165	41%	support persistence and retrieval of deep detection products and inputs	
MWI465	40%	implement objectId synchronization between data releases (not DC3)	

\*Percent updated in this report

Comments:

### Other Activities

## Daues Greg

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI656	50%	Pipeline shutdown mechanisms	
MWI664	0%	Freeze-drying clipboards: Harness support	<i>not started</i>

MWI106	0%	Work to support communication of general serializable types over MPI	<i>not started</i>
MWI107	0%	Develop mechanisms for identifying/accessing	<i>not started</i>
MWI113	50%*	Improving harness exception handling	
MWI1709	50%*	Improve simple, interactive harness execution: interface	

\*Percent updated in this report

Comments:

### Other Activities

## Freemon Mike

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI1849	0%	Prepare LSST10 for primary catalog database	<i>not started</i>

\*Percent updated in this report

Comments:

### Other Activities

## Gehrig David

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI723	25%*	Image file access server ready	
MWI724	25%*	Unify account management procedures - svn mysql linux svn	
MWI722	90%	Prepare LSST2 for iRODS	
MWI848	30%	Prepare LSST1 as web data server / schema browser	
MWI849	0%	Prepare LSST10 for primary catalog database	<i>not started</i>
MWI837	50%*	Download CFHT Data	

\*Percent updated in this report

Comments:

### Other Activities

- Updated MWI project plan reflecting design review scoping changes

## Hanushevsky Andy

Reported xx/xx/xx

ID	Percent	Task	Comments
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MWI165	41%	support persistence and retrieval of deep detection products and inputs
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\*Percent updated in this report

Comments:

### Other Activities

## Lim KT

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI691	20%	Partitioning: design partitioning of MovingObject? table	
MWI160	25%	capturing full SW/HW info	
MWI159	0%	demonstrating re-creation of Calibrated Science Images	<i>not started</i>
MWI165	41%	support persistence and retrieval of deep detection products and inputs	
MWI465	40%	implement objectId synchronization between data releases (not DC3)	
MWI180	0%	persistence framework refinement	<i>not started</i>
MWI643	0%	Upgrade OutputStage? to register outputs	<i>not started</i>
MWI644	0%	Implement simple, non-Policy retrieval	<i>not started</i>
MWI645	0%	App Class: remove need to declare friend classes	<i>not started</i>
MWI646	0%	App Class: remove intrusiveness of Boost persistence	<i>not started</i>
MWI647	0%	App Class: legacy file-based persistence/retrieval	<i>not started</i>
MWI648	0%	Python pers: investigate efficiency of methods	<i>not started</i>
MWI649	0%	Python pers: define app class interface	<i>not started</i>
MWI650	0%	Implement simple non-Policy persistence	<i>not started</i>
MWI651	0%	Upgrade InputStage?	<i>not started</i>
MWI652	0%	Generic ORM: mapping attributes to columns	<i>not started</i>
MWI653	0%	Generic ORM: collection persistence and retrieval	<i>not started</i>
MWI663	0%	Freeze-drying clipboards: design	<i>not started</i>
MWI673	0%	Determine, retrieve cutout areas over given sky tile	<i>not started</i>
MWI675	0%	Write to co-add template pixel store on sky tile basis	<i>not started</i>
MWI674	0%	Determine template pixels overlaying given coords	<i>not started</i>
MWI676	0%	Retrieve template pixels	<i>not started</i>
MWI677	0%	Investigate local disk use for postage stamp generation	<i>not started</i>

\*Percent updated in this report

Comments:

### Other Activities

## Monkewitz Serge

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI690	25%	Partitioning: research htm/healpix/stomp/dif	
MWI692	0%	Implement generic query partitioner	<i>not started</i>
MWI693	75%	Tools for partitioning data	
MWI696	0%	DC3b syntax parser and aggregation	<i>not started</i>
MWI465	40%	implement objectId synchronization between data releases (not DC3)	
MWI669	100%	Determine segment images over a given sky tile	
?	75%	Spatial support for qserv and corresponding MySQL UDFs	

\*Percent updated in this report

Comments:

### Other Activities

## Pietrowicz Steve

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI658	0%	I/O stage for interactive pipeline launch	<i>not started</i>
MWI659	50%	Refactor Orca	
MWI538	0%	Event Monitor integration	<i>not started</i>
MWI589	0%	Pipeline Fault Tolerance	<i>not started</i>
MWI570	0%	Events orchestration layer support	<i>not started</i>

\*Percent updated in this report

Comments:

### Other Activities

## Plante Ray

Reported 05/15/10

ID	Percent	Task	Comments
MWI624	75%	User preferences directory	
MWI625	75%	Support user/server tags	
MWI626	0%	Improve packages installation/declaration	<i>not started</i>
MWI627	25%	Improve EUPS Docs	
MWI628	0%	Meta releases	<i>not started</i>
MWI629	0%	User publishing of packages to server	<i>not started</i>
MWI631	0%	As-built manifests into install directories	<i>not started</i>

MWI632	0%	Make SConsUtils dependency on EUPS optional	<i>not started</i>
MWI633	0%	Upgrade SConsUtils for latest Scons	<i>not started</i>
MWI641	50%	Logging tasks	initial pattern for logging established; some debugging/refinement needed
MWI840	25%	Update and test stack for latest product versions	
MWI841	75%	Job scheduling via JobOffice/Blackboard?	still needs data butler integration to support source association. Time spent: 2 weeks development, 1 week testing/integration
MWI670	25%	LRU cache for raw segment images	
MWI671	25%	LRU cache for calibrated science exposures	
MWI672	25%	Write/retrieve images to disk/tape	
MWI725	100%	Define directory structure	Time spent: ~3 days
MWI848	0%	Prepare LSST1 as web data server / schema browser	<i>not started</i>

\*Percent updated in this report

Comments:

### Other Activities

- IVOA Interoperability conference: May 13-21
- Consulted with Pietrowicz and Daues on completion of orca/harness updates
- Integration testing: testing and debug joboffice middleware for actual pipelines
- package maintenance on cluster and Abe.

## Wang Daniel

Reported 04/20/10

ID	Percent	Task	Comments
MWI165	41%	support persistence and retrieval of deep detection products and inputs	

\*Percent updated in this report

Comments:

### Other Activities

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# Objectives for the Next Period

What you expect to accomplish.

**NCSA**

**LSSTC**

**Database Group**

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# Problems Encountered and Solutions Being Pursued

Budget or schedule variance, technical issues, management issues.

**NCSA**

**LSSTC**

**Database Group**