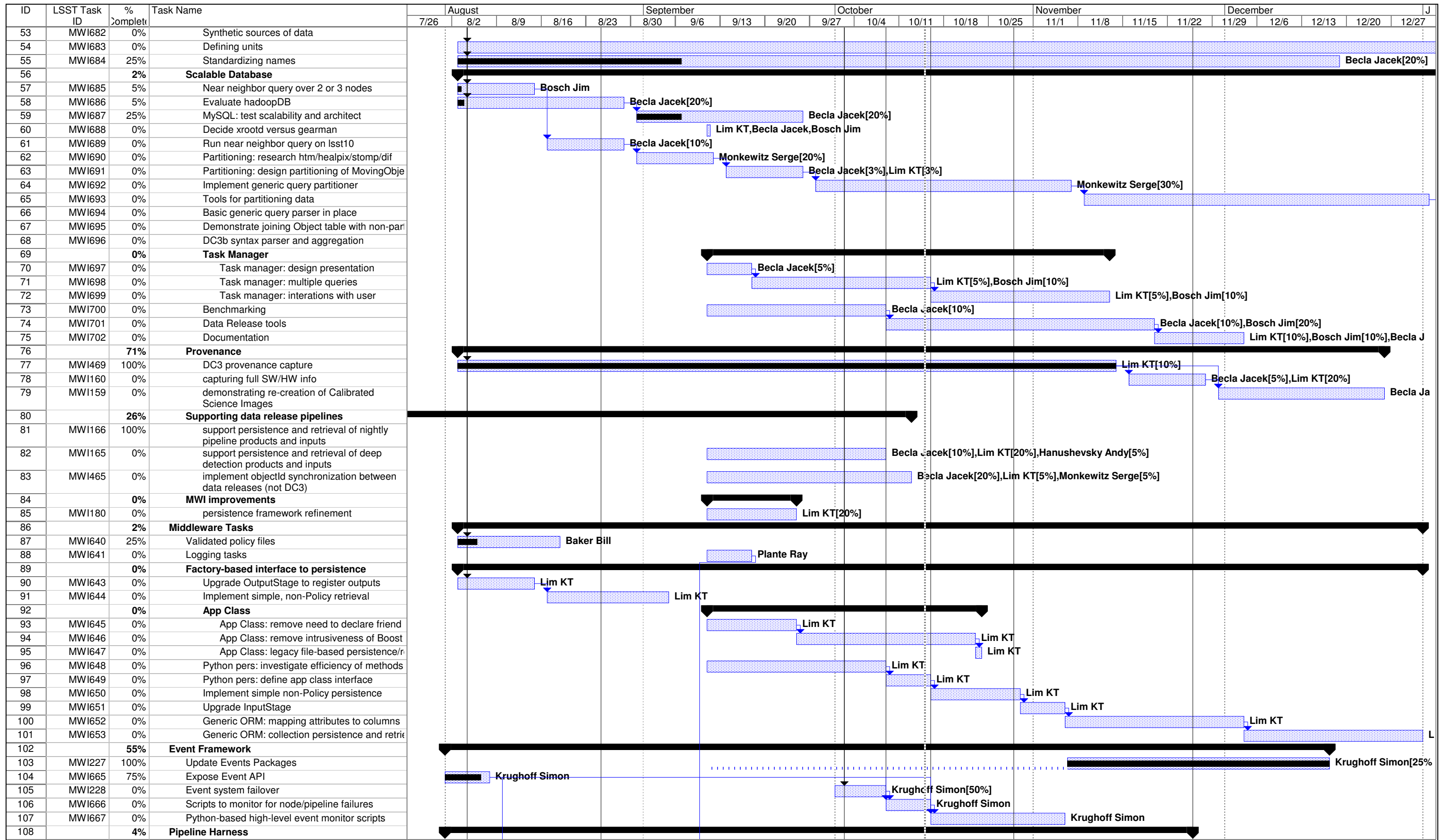


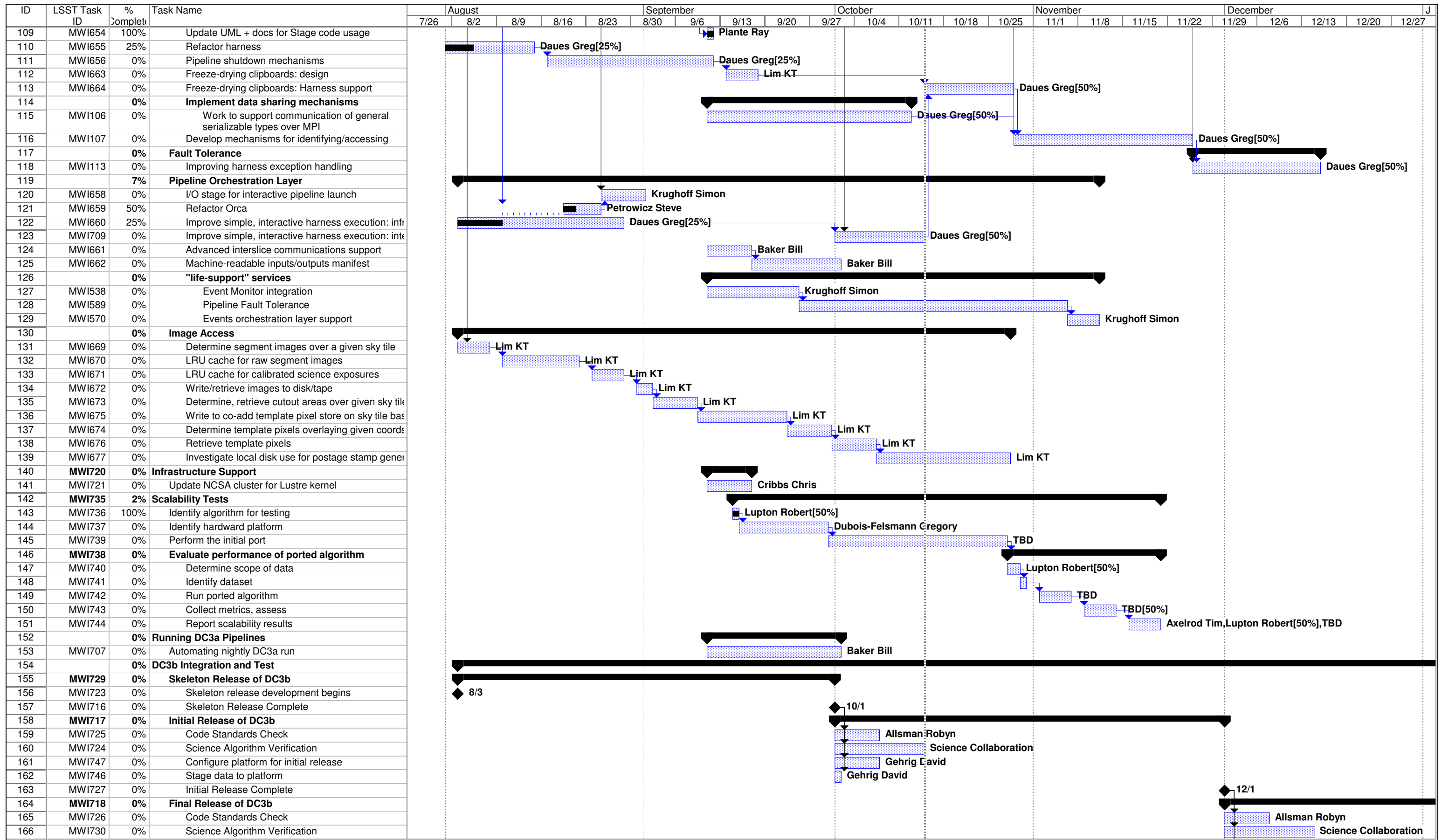
Project: LSST-DC3-v1.8-updated-07.2
Date: Thu 10/15/09

Task		Progress		Summary		External Tasks		Deadline	
Split		Milestone		Project Summary		External Milestone			



Project: LSST-DC3-v1.8-updated-07.2
Date: Thu 10/15/09

Task Progress Summary External Tasks Deadline
 Split Milestone Project Summary External Milestone

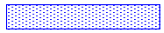










Project: LSST-DC3-v1.8-updated-07.2
Date: Thu 10/15/09

Task Progress Summary External Tasks Deadline
 Split Milestone Project Summary External Milestone

ID	LSST Task ID	% Complete	Task Name	January				February				March				April				May				June			
				1/3	1/10	1/17	1/24	1/31	2/7	2/14	2/21	2/28	3/7	3/14	3/21	3/28	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	
1		19%	Middleware																								
2	MWI621	0%	DC3b Start Middleware																								
3	MWI705	0%	Two-Month Milestone																								
4		46%	SW Quality Assurance																								
5		80%	Acquire SQA support tools																								
6		81%	Configurable tool to perform Lsst software standards checking																								
7		0%	Benchmark																								
8	MWI712	0%	C++: 3b																								
9	MWI481	0%	Python																								
10	MWI478	100%	Acquire system	Allsman Robyn																							
11		0%	coverage analysis tool																								
12	MWI710	0%	Release for developer use: Python																								
13	MWI137	0%	Create table of Science Data Analysts																								
14		33%	VMs																								
15	MWI569	10%	Maintain automated testing structure	Baker Bill[10%]																							
16	MWI41	75%	(BB) support distributable VMs for new develo	Baker Bill[5%]																							
17		42%	deploy automated, multi-platform testing sy																								
18	MWI711	0%	Install and configure initial testing system																								
19	MWI74	50%	configure test sytem for automated V&V																								
20		0%	implement Software Quality Assurance procedures relevant to build process within Ticket branch development																								
21		0%	build warnings if unittest doesn't satisfy DC3 coverage requirement																								
22	MWI47	0%	Nightly build of development trunk																								
23		0%	any failures cause automatic 'Failed Nightly Build' ticket at high priority																								
24	MWI52	0%	any failures cause automatic 'Failed Nightly Build' ticket at high priority																								
25		0%	Production Release sanity check																								
26	MWI54	0%	any failure causes automatic 'Failed Production sanity check' ticket at high																								
27	MWI55	0%	auxiliary automatic notification to highest authority on failure (separate																								
28		0%	Configuration Management: 'Build' upgrade																								
29	MWI57	0%	Standards: specify requirement to version and archive build's provenance;																								
30	MWI58	0%	Configuration Management: define procedure to satisfy that requirement;																								
31	MWI59	0%	Configuration Management: implement its inst																								
32		25%	EUPS Revisions																								
33	MWI623	100%	Summarize design for EUPS changes																								
34	MWI624	25%	User preferences directory																								
35	MWI625	25%	Support user/server tags																								
36	MWI626	0%	Improve packages installation/declaration																								
37	MWI627	25%	Improve EUPS Docs																								
38	MWI628	0%	Meta releases																								
39	MWI629	0%	User publishing of packages to server																								
40		0%	SConsUtils																								
41	MWI631	0%	As-built manifests into install directories																								
42	MWI632	0%	Make SConsUtils dependency on EUPS option																								
43	MWI633	0%	Upgrade SConsUtils for latest Scons																								
44		20%	Development Infrastructure																								
45	MWI635	0%	New ticket workflow																								
46	MWI636	100%	Group notification for tickets																								
47	MWI637	0%	Automated standards checking script																								
48	MWI638	0%	Buildbot to detect ABI changes on trunk																								
49		12%	Database																								
50		5%	Database schema																								
51	MWI680	0%	Updates: source-related tables, Object table	Becla Jacek[5%]																							
52	MWI681	0%	Updates: exposure-related tables																								

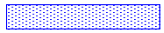




Project: LSST-DC3-v1.8-updated-07.2
Date: Thu 10/15/09





Task  Progress  Summary  External Tasks  Deadline 

Split  Milestone  Project Summary  External Milestone 

ID	LSST Task ID	% Complete	Task Name	January				February				March				April				May				June			
				1/3	1/10	1/17	1/24	1/31	2/7	2/14	2/21	2/28	3/7	3/14	3/21	3/28	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	
53	MWI682	0%	Synthetic sources of data																								
54	MWI683	0%	Defining units	Axelrod Tim[1%]																							
55	MWI684	25%	Standardizing names																								
56		2%	Scalable Database	[Summary bar]																							
57	MWI685	5%	Near neighbor query over 2 or 3 nodes																								
58	MWI686	5%	Evaluate hadoopDB																								
59	MWI687	25%	MySQL: test scalability and architect																								
60	MWI688	0%	Decide xrootd versus gearman																								
61	MWI689	0%	Run near neighbor query on lsst10																								
62	MWI690	0%	Partitioning: research htm/healpix/stomp/dif																								
63	MWI691	0%	Partitioning: design partitioning of MovingObje																								
64	MWI692	0%	Implement generic query partitioner																								
65	MWI693	0%	Tools for partitioning data	Monkewitz Serge[20%], Becla Jacek[10%]																							
66	MWI694	0%	Basic generic query parser in place	Bosch Jim[25%]																							
67	MWI695	0%	Demonstrate joining Object table with non-par																								
68	MWI696	0%	DC3b syntax parser and aggregation																								
69		0%	Task Manager																								
70	MWI697	0%	Task manager: design presentation																								
71	MWI698	0%	Task manager: multiple queries																								
72	MWI699	0%	Task manager: interactions with user																								
73	MWI700	0%	Benchmarking																								
74	MWI701	0%	Data Release tools																								
75	MWI702	0%	Documentation	Becla Jacek[10%]																							
76		71%	Provenance																								
77	MWI469	100%	DC3 provenance capture																								
78	MWI160	0%	capturing full SW/HW info																								
79	MWI159	0%	demonstrating re-creation of Calibrated Science Images	Becla Jacek[5%], Lim KT[20%]																							
80		26%	Supporting data release pipelines																								
81	MWI166	100%	support persistence and retrieval of nightly pipeline products and inputs																								
82	MWI165	0%	support persistence and retrieval of deep detection products and inputs																								
83	MWI465	0%	implement objectId synchronization between data releases (not DC3)																								
84		0%	MWI improvements																								
85	MWI180	0%	persistence framework refinement																								
86		2%	Middleware Tasks																								
87	MWI640	25%	Validated policy files																								
88	MWI641	0%	Logging tasks																								
89		0%	Factory-based interface to persistence																								
90	MWI643	0%	Upgrade OutputStage to register outputs																								
91	MWI644	0%	Implement simple, non-Policy retrieval																								
92		0%	App Class																								
93	MWI645	0%	App Class: remove need to declare friend																								
94	MWI646	0%	App Class: remove intrusiveness of Boost																								
95	MWI647	0%	App Class: legacy file-based persistence/r																								
96	MWI648	0%	Python pers: investigate efficiency of methods																								
97	MWI649	0%	Python pers: define app class interface																								
98	MWI650	0%	Implement simple non-Policy persistence																								
99	MWI651	0%	Upgrade InputStage																								
100	MWI652	0%	Generic ORM: mapping attributes to columns																								
101	MWI653	0%	Generic ORM: collection persistence and retrie	Lim KT																							
102		55%	Event Framework																								
103	MWI227	100%	Update Events Packages																								
104	MWI665	75%	Expose Event API																								
105	MWI228	0%	Event system failover																								
106	MWI666	0%	Scripts to monitor for node/pipeline failures																								
107	MWI667	0%	Python-based high-level event monitor scripts																								
108		4%	Pipeline Harness																								

Project: LSST-DC3-v1.8-updated-07.2
Date: Thu 10/15/09

Task  Progress  Summary  External Tasks  Deadline 

Split  Milestone  Project Summary  External Milestone 

ID	LSST Task ID	% Complete	Task Name	January				February				March				April				May				June	
				1/3	1/10	1/17	1/24	1/31	2/7	2/14	2/21	2/28	3/7	3/14	3/21	3/28	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30
109	MWI654	100%	Update UML + docs for Stage code usage																						
110	MWI655	25%	Refactor harness																						
111	MWI656	0%	Pipeline shutdown mechanisms																						
112	MWI663	0%	Freeze-drying clipboards: design																						
113	MWI664	0%	Freeze-drying clipboards: Harness support																						
114		0%	Implement data sharing mechanisms																						
115	MWI106	0%	Work to support communication of general serializable types over MPI																						
116	MWI107	0%	Develop mechanisms for identifying/accessing																						
117		0%	Fault Tolerance																						
118	MWI113	0%	Improving harness exception handling																						
119		7%	Pipeline Orchestration Layer																						
120	MWI658	0%	I/O stage for interactive pipeline launch																						
121	MWI659	50%	Refactor Orca																						
122	MWI660	25%	Improve simple, interactive harness execution: infr																						
123	MWI709	0%	Improve simple, interactive harness execution: inte																						
124	MWI661	0%	Advanced interslice communications support																						
125	MWI662	0%	Machine-readable inputs/outputs manifest																						
126		0%	"life-support" services																						
127	MWI538	0%	Event Monitor integration																						
128	MWI589	0%	Pipeline Fault Tolerance																						
129	MWI570	0%	Events orchestration layer support																						
130		0%	Image Access																						
131	MWI669	0%	Determine segment images over a given sky tile																						
132	MWI670	0%	LRU cache for raw segment images																						
133	MWI671	0%	LRU cache for calibrated science exposures																						
134	MWI672	0%	Write/retrieve images to disk/tape																						
135	MWI673	0%	Determine, retrieve cutout areas over given sky tile																						
136	MWI675	0%	Write to co-add template pixel store on sky tile bas																						
137	MWI674	0%	Determine template pixels overlaying given coords																						
138	MWI676	0%	Retrieve template pixels																						
139	MWI677	0%	Investigate local disk use for postage stamp gener																						
140	MWI720	0%	Infrastructure Support																						
141	MWI721	0%	Update NCSA cluster for Lustre kernel																						
142	MWI735	2%	Scalability Tests																						
143	MWI736	100%	Identify algorithm for testing																						
144	MWI737	0%	Identify hardware platform																						
145	MWI739	0%	Perform the initial port																						
146	MWI738	0%	Evaluate performance of ported algorithm																						
147	MWI740	0%	Determine scope of data																						
148	MWI741	0%	Identify dataset																						
149	MWI742	0%	Run ported algorithm																						
150	MWI743	0%	Collect metrics, assess																						
151	MWI744	0%	Report scalability results																						
152		0%	Running DC3a Pipelines																						
153	MWI707	0%	Automating nightly DC3a run																						
154		0%	DC3b Integration and Test																						
155	MWI729	0%	Skeleton Release of DC3b																						
156	MWI723	0%	Skeleton release development begins																						
157	MWI716	0%	Skeleton Release Complete																						
158	MWI717	0%	Initial Release of DC3b																						
159	MWI725	0%	Code Standards Check																						
160	MWI724	0%	Science Algorithm Verification																						
161	MWI747	0%	Configure platform for initial release																						
162	MWI746	0%	Stage data to platform																						
163	MWI727	0%	Initial Release Complete																						
164	MWI718	0%	Final Release of DC3b																						
165	MWI726	0%	Code Standards Check																						
166	MWI730	0%	Science Algorithm Verification																						

Project: LSST-DC3-v1.8-updated-07.2
Date: Thu 10/15/09

Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone

ID	LSST Task ID	% Complete	Task Name	January				February				March				April				May				June	
				1/3	1/10	1/17	1/24	1/31	2/7	2/14	2/21	2/28	3/7	3/14	3/21	3/28	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30
167	MWI748	0%	Configure cluster for final release																						
168	MWI745	0%	Stage data to production platform																						
169	MWI728	0%	Final Release Complete																						
170	MWI732	0%	DC3b Production Run																						
171	MWI731	0%	DC3b Report																						



Project: LSST-DC3-v1.8-updated-07.2
Date: Thu 10/15/09

Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone