

ID	% Complete	Task Name	Start	Finish	Resource Names	Qtr 2, 2008	
						Apr	May
1	10%	<b>DC3</b>	5/1/2008	5/15/2009			
2	26%	<b>DC3 Management, Coordination and Support</b>	5/1/2008	3/20/2009			
3	32%	DC3 coordination	5/1/2008	3/20/2009	David G[20%]		
4	18%	Infrastructure maintenance	7/14/2008	3/20/2009	David G[20%]		
5	0%	<b>DC3 benchmark testing begins (tentative)</b>	12/1/2008	12/1/2008			
6	25%	<b>Middleware</b>	5/1/2008	5/15/2009			
7	9%	<b>SW Quality Assurance</b>	7/1/2008	11/12/2008			
8	0%	<b>Develop DC3 specialization of SQA plans</b>	9/22/2008	9/29/2008			
9	0%	DC3 SQA Doc	9/22/2008	9/29/2008	Robyn A[33%]		
10	0%	DC3 V&V Doc	9/22/2008	9/29/2008	Robyn A[33%]		
11	0%	DC3 CM Doc	9/22/2008	9/29/2008	Robyn A[33%]		
12	9%	<b>Verification and Validation: Acquire SQA support tools</b>	8/7/2008	11/5/2008			
13	17%	<b>Configurable tool to perform Lsst software standards checking</b>	8/7/2008	10/8/2008			
14	100%	C++ LSST benchmark test suite packaged	8/7/2008	8/13/2008	Robyn A		
15	15%	<b>Benchmark</b>	8/14/2008	9/10/2008			
16	30%	C++	8/14/2008	9/10/2008	RussL		
17	0%	Python	8/14/2008	9/10/2008	RussL		
18	0%	Acquire for widespread use	9/11/2008	10/8/2008	Robyn A		
19	0%	<b>coverage analysis tool</b>	9/11/2008	11/5/2008			
20	0%	<b>Benchmark</b>	9/11/2008	10/8/2008			
21	0%	C++	9/11/2008	10/8/2008	Robyn A		
22	0%	Python	9/11/2008	10/8/2008	Robyn A		
23	0%	Acquire for widespread use	10/9/2008	11/5/2008	Robyn A		
24	14%	<b>Verification and Validation: Increased Validation Testing</b>	7/1/2008	11/12/2008			
25	0%	<b>Standards: specify the testing requirements for each phase of Product development:</b>	7/1/2008	11/12/2008			
26	0%	implement automatic creation of integration test stubs from EA Use Cases	7/1/2008	7/29/2008	Jeff B		
27	0%	unit test: black box, white box, performance tests	11/6/2008	11/12/2008	Robyn A[25%]		
28	0%	integration tests: black box, white box, performance, regression tests	11/6/2008	11/12/2008	Robyn A[25%]		
29	0%	Standards: specify the pass/fail metrics for each test type (eg compliance levels)	10/23/2008	10/30/2008	Robyn A		
30	98%	V and V: Refine the workflow process to incorporate additional V & V testing.	9/1/2008	9/8/2008	Robyn A[50%]		
31							
32	38%	<b>Build System</b>	5/1/2008	2/27/2009			

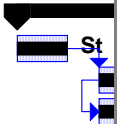
Project: LSST-DC3-v1.8-updated-07.2 Date: 9/10/2008	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

ID	% Complete	Task Name	Start	Finish	Resource Names	Qtr 2, 2008	
						Apr	May
33	85%	update software distribution server	6/2/2008	6/13/2008	David G[80%],Ray P[50%]		
34	0%	implement new package build mechanism	5/1/2008	6/9/2008	RHL		
35	90%	convert to new package build mechanism (remove dependency on pacman)	6/16/2008	6/20/2008	David G[80%]		
36	100%	enable support for 64-bit Linux	7/8/2008	7/14/2008	Ray P[40%]		
37	<b>33%</b>	<b>VMs</b>	<b>5/1/2008</b>	<b>11/11/2008</b>			
38	100%	create and configure distributable VMs	5/1/2008	5/16/2008	Bill B[25%]		
39	25%	deploy SW stack on VMs	8/4/2008	8/8/2008	Bill B[50%]		
40	22%	(BB) support distributable VMs for new developers	8/11/2008	11/11/2008	Bill B[5%]		
41	<b>83%</b>	<b>deploy automated, multi-platform testing system</b>	<b>5/1/2008</b>	<b>9/15/2008</b>			
42	100%	investigate continous integration systems	5/1/2008	5/16/2008	Bill B[25%]		
43	100%	decide on continous integration system	5/16/2008	5/16/2008	Bill B		
44	95%	install and configure initial testing system	6/20/2008	7/11/2008	Bill B[50%]		
45	5%	configure test sytem for automated V&V	9/4/2008	9/15/2008	Bill B[45%]		
46	0%	create better templates for SConstruct, SConscript, and Swig .i files	6/10/2008	6/16/2008	KTL[20%]		
47	<b>8%</b>	<b>implement Software Quality Assurance procedures relevant to build process</b>	<b>7/14/2008</b>	<b>8/8/2008</b>			
48	<b>10%</b>	<b>within Ticket branch development</b>	<b>7/14/2008</b>	<b>7/18/2008</b>			
49	10%	build warnings if coding standards check fails	7/14/2008	7/15/2008	David G[80%]		
50	10%	build warnings if unittest doesn't satisfy DC3 coverage requirement	7/16/2008	7/18/2008	David G[80%]		
51	<b>10%</b>	<b>within Trunk branch development (generally merge from Ticket branch)</b>	<b>7/21/2008</b>	<b>7/25/2008</b>			
52	10%	build failure if unittest doesn't satisfy DC3 coverage require	7/21/2008	7/22/2008	David G[80%]		
53	10%	build failure if coding standards check fails	7/23/2008	7/25/2008	David G[80%]		
54	<b>10%</b>	<b>Nightly build of development trunk</b>	<b>7/28/2008</b>	<b>8/1/2008</b>			
55	10%	any failures cause automatic 'Failed Nightly Build' ticket at high priority	7/28/2008	8/1/2008	David G[80%]		
56	<b>0%</b>	<b>Production Release sanity check</b>	<b>8/4/2008</b>	<b>8/8/2008</b>			
57	0%	any failure causes automatic 'Failed Production sanity check' ticket at high priority	8/4/2008	8/5/2008	David G[80%]		
58	0%	auxiliary automatic notification to highest authority on failure (separate from ticket notification)	8/6/2008	8/8/2008	David G[80%]		
59	<b>0%</b>	<b>Configuration Management: 'Build' upgrade</b>	<b>2/16/2009</b>	<b>2/27/2009</b>			
60	0%	Standards: specify requirement to version and archive build's provenance;	2/16/2009	2/17/2009	David G[80%]		
61	0%	Configuration Management: define procedure to satisfy that requirement;	2/18/2009	2/20/2009	David G[80%]		
62	0%	Configuration Management: implement its instantiation.	2/23/2009	2/27/2009	David G[80%]		
63							

Project: LSST-DC3-v1.8-updated-07.2  
Date: 9/10/2008

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

ID	% Complete	Task Name	Start	Finish	Resource Names	Qtr 2, 2008	
						Apr	May
64	13%	<b>Database</b>	6/24/2008	5/15/2009			
65	8%	<b>Provenance</b>	7/23/2008	10/17/2008			
66	75%	DC2 Policy capture	7/23/2008	9/5/2008	KTL[10%]		
67	10%	DC3 provenance capture	9/8/2008	9/19/2008	KTL[10%]		
68	0%	capturing full SW/HW info	8/25/2008	9/5/2008	Jacek B[5%],KTL[20%]		
69	0%	demonstrating re-creation of Calibrated Science Images	9/22/2008	10/17/2008	Jacek B[5%],KTL[20%]		
70	23%	<b>Supporting data release pipelines</b>	6/24/2008	5/15/2009			
71	10%	regularize the storage and access to image metadata	7/28/2008	8/15/2008	KTL[20%]		
72	0%	support persistence and retrieval of nightly pipeline products and inputs	9/15/2008	10/3/2008	KTL[20%]		
73	0%	support persistence and retrieval of deep detection products and inputs	12/8/2008	1/9/2009	Jacek B[10%],KTL[20%],Andy H[5%]		
74	100%	removing coral	6/24/2008	8/1/2008	KTL[30%]		
75	0%	plan & setup database for DC3-nightly	3/23/2009	4/17/2009	Jacek B[20%],KTL[5%]		
76	0%	plan & setup database for DC3-deepDet	4/20/2009	5/15/2009	Jacek B[20%],KTL[5%]		
77	80%	research objectId synchronization between data releases	7/1/2008	8/22/2008	Jacek B[10%],KTL[5%],Serge M[5%]		
78	0%	implement objectId synchronization between data releases (not DC3)	1/15/2009	2/13/2009	Jacek B[20%],KTL[5%],Serge M[5%]		
79	0%	<b>Database schema</b>	11/17/2008	2/13/2009			
80	0%	extend schema to support DC3 nightly	11/17/2008	11/21/2008	Jacek B[25%],KTL[5%]		
81	0%	extend schema to support DC3 deep detection	11/24/2008	12/19/2008	Jacek B[25%],KTL[5%]		
82	0%	integrate MOPS schema with baseline schema	1/26/2009	2/13/2009	Jacek B[25%],FP[5%]		
83	3%	<b>MWI improvements</b>	7/21/2008	10/14/2008			
84	0%	policy/data property integration	9/1/2008	9/19/2008	KTL[20%],Ray P[10%]		
85	0%	exception improvements	7/21/2008	8/8/2008	KTL[20%]		
86	0%	persistence framework refinement	10/1/2008	10/14/2008	KTL[20%]		
87	0%	shared pointer improvements	9/1/2008	9/12/2008	KTL[20%]		
88	10%	SDQA architecture support	8/4/2008	8/29/2008	KTL[5%]		
89							
90	57%	<b>Event Framework</b>	5/1/2008	10/3/2008			
91	100%	Develop usecases	5/1/2008	5/16/2008	Steve P		
92	100%	Update event packages	5/27/2008	6/13/2008	Steve P[25%]		
93	100%	Implement configurable on-the-fly event processing (1)	5/27/2008	6/20/2008	Steve P[75%]		
94	50%	Implement configurable on-the-fly event processing (2)	6/23/2008	8/25/2008	Steve P[50%]		
95	0%	Event system failover	8/26/2008	9/2/2008	Steve P[50%]		
96	0%	Configure event monitoring for fault system	9/8/2008	9/19/2008	Steve P		
97	0%	Configure event monitoring for log analysis	9/22/2008	10/3/2008	Steve P		












Project: LSST-DC3-v1.8-updated-07.2 Date: 9/10/2008	Task		Milestone		External Tasks	
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ID	% Complete	Task Name	Start	Finish	Resource Names	Qtr 2, 2008	
						Apr	May
98							
99	0%	<b>Middleware Interface</b>	9/22/2008	10/3/2008			
100	0%	Merge trace and logging	9/22/2008	10/3/2008	Ray P[50%]		
101							
102	28%	<b>Pipeline Harness extensions ¶</b>	5/1/2008	10/29/2008			
103	100%	Develop usecases	5/1/2008	5/16/2008	Greg D[50%]		
104	50%	<b>Complete design for data sharing among Slices</b>	5/27/2008	9/1/2008			
105	50%	<b>Support use cases for interSlice communication</b>	5/27/2008	9/1/2008			
106	50%	identify neighbors of a Slice: known in advance, or dynamic?	5/27/2008	8/20/2008	Greg D[50%]		
107	50%	identify data types that are transmitted in each use case	8/21/2008	8/27/2008	Greg D[50%]		
108	50%	Determine level at which communication occurs	6/10/2008	9/1/2008	Greg D[50%]		
109	0%	<b>Implement data sharing mechanisms</b>	9/1/2008	10/1/2008			
110	0%	Work to support communication of general serializable types over MPI	9/1/2008	10/1/2008	Greg D[50%]		
111	0%	Develop mechanisms for identifying/accessing	10/1/2008	10/29/2008	Greg D[50%]		
112							
113	58%	<b>Fault Tolerance</b>	6/16/2008	10/3/2008			
114	100%	Fault tolerance plan - individual contributions	6/16/2008	7/31/2008	Ray P[5%],Greg D[5%],KTL[5%],Steve		
115	50%	Fault tolerance plan - final editing	8/1/2008	8/27/2008	Ray P[5%],Greg D[5%],KTL[5%],Steve		
116	0%	Improving exception handling	9/8/2008	10/3/2008	Greg D[50%]		
117							
118	0%	<b>Pipeline Orchestration Layer</b>	5/1/2008	9/5/2008			
119	0%	Develop usecases	5/1/2008	5/16/2008	Ray P[50%]		
120	0%	fill out the design of the orchestration layer, identify the components for DC3	5/27/2008	7/7/2008	Ray P[40%]		
121	0%	implement an orchestration layer	7/21/2008	8/29/2008	Bill B[45%],Steve P[50%]		
122	0%	"life-support" services	9/1/2008	9/5/2008	Steve P		
123							
124	1%	<b>Applications</b>	6/2/2008	3/31/2009			
125	0%	<b>Applications Framework</b>	6/9/2008	8/29/2008			
126	0%	update from DC2	6/9/2008	8/29/2008	RHL[25%]		
127	0%	<b>Nightly Processing</b>	6/2/2008	12/30/2008			
128	0%	association pipeline improvements	8/1/2008	12/30/2008			
129	0%	association pipeline improvements to DC2	8/1/2008	12/30/2008	Serge M[40%],KTL[3%]		
130	0%	add proper motion, color dependent refraction and source listing for clients	10/6/2008	11/28/2008	Serge M[20%],KTL[10%]		

Project: LSST-DC3-v1.8-updated-07.2 Date: 9/10/2008	Task		Milestone		External Tasks	
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ID	% Complete	Task Name	Start	Finish	Resource Names	Qtr 2, 2008	
						Apr	May
131	0%	instrument signature removal	6/2/2008	11/28/2008			
132	0%	implement infrastructure & standard astronomical CCD image processing	6/2/2008	10/3/2008	Nicole S[75%]		
133	0%	implement selected additional signature removal, eg crosstalk	10/6/2008	11/28/2008	Nicole S[75%]		
134	0%	generate usable PSF model for DC3 tasks	6/30/2008	10/3/2008	RHL[10%],Andy B[50%]		
135	0%	produce negotiated diagnostic metrics for use by SDQA	9/2/2008	11/28/2008	All		
136	0%	MOPS	9/2/2008	11/28/2008			
137	0%	tweaks to nightly MOPS	9/2/2008	11/28/2008	FP[20%],JM[30%]		
138	0%	integration of DayMOPS into LSST	9/2/2008	11/28/2008	JM[20%],FP[10%]		
139	0%	improve WCS determination	10/6/2008	11/28/2008	Andy B[10%],Tim A[20%]		
140	0%	improve basis functions	10/6/2008	11/28/2008	Andy B[10%],RHL[10%]		
141	0%	source characterization for stars and galaxies	10/6/2008	11/28/2008	Andy B[10%],RHL[10%]		
142	1%	<b>Data Release Processing</b>	7/1/2008	3/31/2009			
143	15%	regularize the storage and access to image metadata*	7/28/2008	8/15/2008	KTL[20%],Russ O[10%]		
144	0%	image coaddition: image resampling/stacking/combining	7/1/2008	10/3/2008	RHL[10%],Andy B[20%]		
145	20%	image retrieval service	7/21/2008	8/22/2008	KTL[50%]		
146	0%	photometric calibration: simulate pipeline algorithms, handle time d	9/2/2008	1/5/2009	Tim A[20%]		
147	0%	deep detection	10/1/2008	3/31/2009			
148	0%	detection in coadded image	10/1/2008	2/2/2009	Andy B[10%],RHL[10%]		
149	0%	psf stellar photometry	10/1/2008	3/2/2009	Andy B[10%],RHL[10%]		
150	0%	deblending confused sources	10/1/2008	3/31/2009	Andy B[10%],RHL[10%]		
151	0%	galaxy (extended source) photometry framework	10/1/2008	3/31/2009	Andy B[10%],RHL[10%]		
152	0%	background estimation	12/1/2008	3/31/2009	Andy B[10%],RHL[10%]		
153	0%	Implement algorithm for co-adding images to produce a template image for use in the image subtraction	8/1/2008	1/30/2009	AC[50%]		
154	0%	multifit: shape measurements and photometry for galaxies	10/1/2008	3/2/2009	DW[30%]		
155	0%	astrometric calibration: determine low order terms	10/1/2008	3/31/2009	DM[20%]		
156	0%	photometric calibration: run algorithms against CFHT data	1/5/2009	3/31/2009	Tim A[10%]		
157	0%	SDQA diagnostic generation	9/2/2008	12/1/2008	5%,DW[5%],DM[5%],Tim A[5%]		
158	39%	<b>Database</b>	6/10/2008	11/28/2008			
159	90%	integrate MOPS schema with baseline schema*	6/10/2008	6/30/2008	ek B[5%],FP[5%],Serge M[20%]		
160	0%	integrate SDQA persistence into schema	11/3/2008	11/28/2008	Jacek B[20%],KTL[5%]		
161	0%	<b>SDQA</b>	6/2/2008	2/27/2009			
162	0%	determine SDQA architecture	6/2/2008	10/3/2008	DL[20%],RL[10%]		
163	0%	Implement one or more use case end to end	7/7/2008	2/27/2009	DL[20%],RL[10%],VM[10%]		
164	0%	<b>Data</b>	6/2/2008	9/30/2008			

Project: LSST-DC3-v1.8-updated-07.2  
Date: 9/10/2008

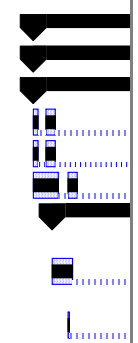
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165	0%	created simulated data for the difference, template, deep detection and astrometry applications	7/1/2008	9/30/2008	AC[50%]		
166	0%	provide CFHT data	6/2/2008	9/2/2008	Tim A[10%]		
167							
168	23%	<b>non-DC3 activities</b>	<b>5/1/2008</b>	<b>12/2/2009</b>			
169	23%	<b>DB group</b>	<b>5/1/2008</b>	<b>6/30/2009</b>			
170	0%	improve trac db documentation for PDR	11/3/2008	11/28/2008	Jacek B[10%]		
171	28%	<b>management</b>	<b>5/1/2008</b>	<b>6/30/2009</b>			
172	65%	hiring	7/1/2008	9/15/2008	Jacek B[10%]		
173	24%	telecons	5/1/2008	6/30/2009	Jacek B[10%],KTL[5%]		
174	24%	others unclassified (SOW, status reports, planning etc)	5/1/2008	6/30/2009	Jacek B[10%]		
175	30%	ADASS (prep, attending)	9/22/2008	10/10/2008	Jacek B[10%],KTL[5%]		
176	0%	VLDB'09 prep	1/26/2009	2/13/2009	KTL[10%]		
177	0%	Possibly CIDR'09 prep	9/9/2008	9/29/2008	Jacek B[10%],KTL[10%]		
178	0%	coordinate defining common LSST vocabulary (UCDs)	2/2/2009	6/30/2009	Jacek B[5%]		
179	0%	schema browser	5/1/2009	6/22/2009	Jacek B[20%]		
180	29%	<b>sciDB</b>	<b>5/1/2008</b>	<b>6/30/2009</b>			
181	100%	initiating sciDB	5/1/2008	6/30/2008	Jacek B[50%],KTL[30%]		
182	75%	sciDB steering and building community	5/1/2008	9/30/2008	Jacek B[20%],KTL[5%]		
183	80%	sciDB design and implementation - I	7/1/2008	9/1/2008	Jacek B[5%],KTL[20%],TBD[30%]		
184	0%	sciDB design and implementation - II (change in personnel)	9/2/2008	6/30/2009	Jacek B[5%],KTL[45%],TBD[30%]		
185	17%	outreach, fund raising and proposals (DoE, NSF, other labs)	6/16/2008	6/30/2009	Jacek B[3%]		
186	18%	<b>Large scale tests</b>	<b>5/1/2008</b>	<b>6/30/2009</b>			
187	95%	interact with sciCollab chairs, refresh list of common queries	7/1/2008	7/22/2008	Jacek B[10%]		
188	0%	interact with sciCollab chairs, refresh list of common queries	12/1/2008	12/19/2008	Jacek B[10%]		
189	24%	research new db technologies	5/1/2008	6/30/2009	Jacek B[2%],KTL[2%],Andy H[2%]		
190	70%	work with UW on scheduling bigtable tests	6/2/2008	7/31/2008	Jacek B[2%]		
191	0%	prepare schema for bigtable tests	7/1/2008	8/8/2008	Jacek B[20%],KTL[5%]		
192	0%	assist google intern with tests, alternative: run hypertable tests	8/8/2008	11/7/2008	Jacek B[10%],KTL[5%]		
193	45%	preparing testbed for scalability tests, incl sim data	7/1/2008	7/31/2008	Jacek B[5%],Andy H[5%]		
194	0%	test gridSQL	8/1/2008	9/30/2008	Andy H[20%]		
195	0%	run large scale tests	8/1/2008	9/30/2008	Jacek B[5%],KTL[5%],Andy H[20%]		

Project: LSST-DC3-v1.8-updated-07.2  
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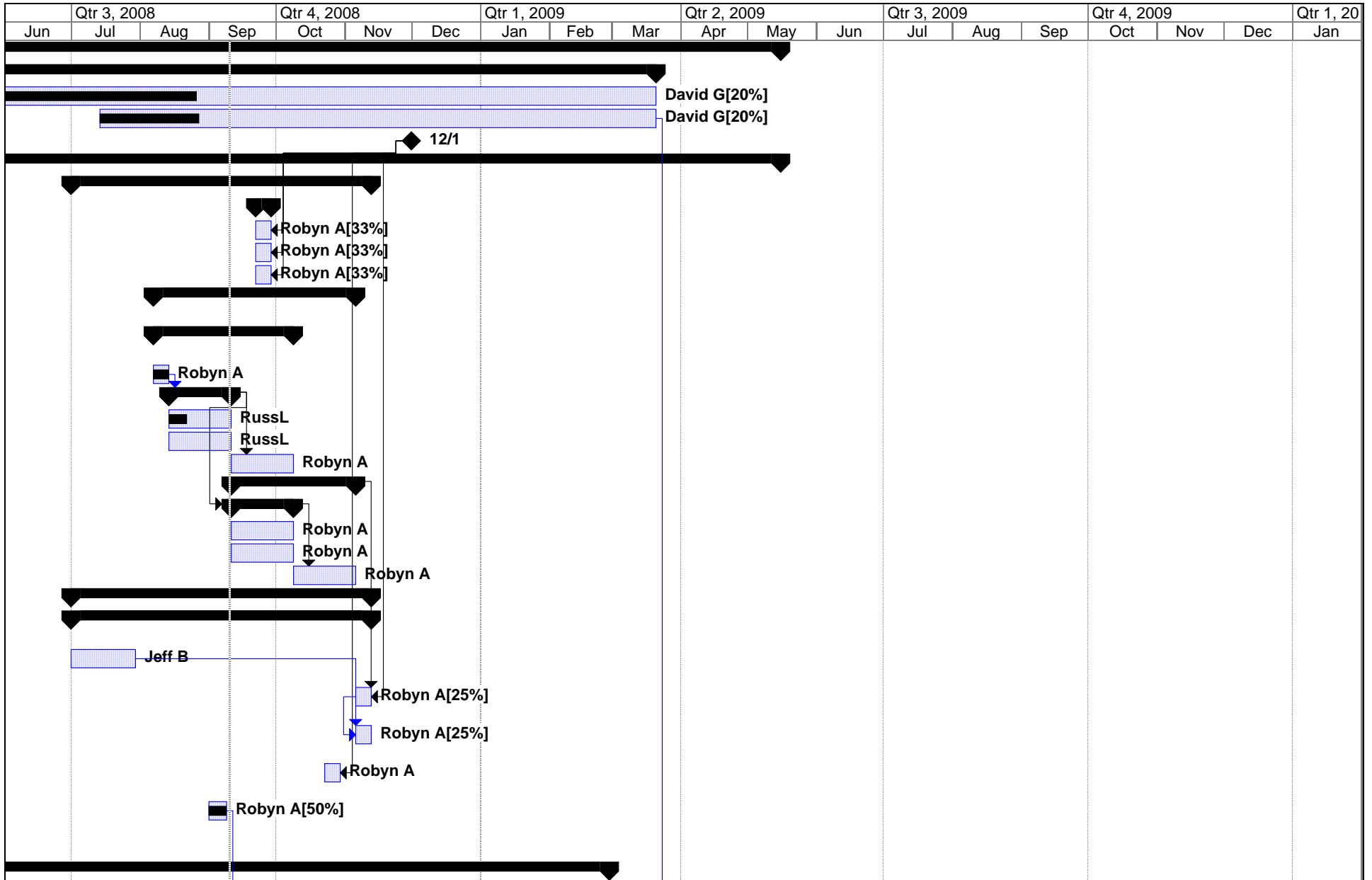
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						Apr	May
196	0%	tune/optimize large scale tests (1)	11/3/2008	12/31/2008	Jacek B[5%],KTL[5%],Andy H[20%]		
197	0%	rerun large scale tests, increase complexity (queries, concurrency)	1/1/2009	2/27/2009	Jacek B[5%],KTL[5%],Andy H[20%]		
198	0%	tune/optimize large scale tests (2)	3/2/2009	4/30/2009	Jacek B[5%],KTL[5%],Andy H[20%]		
199	0%	write document refining baseline db architecture	5/1/2009	5/21/2009	Jacek B[30%],KTL[30%],Andy H[20%]		
200	0%	<b>investigate internal file format for image pixels</b>	<b>8/1/2008</b>	<b>11/28/2008</b>	<b>Jacek B[5%],KTL[5%]</b>		
201	<b>54%</b>	<b>XLDB2</b>	<b>7/1/2008</b>	<b>10/15/2008</b>			
202	65%	XLDB2 prep	7/1/2008	9/26/2008	Jacek B[10%],KTL[5%]		
203	0%	XLDB2	9/29/2008	9/30/2008	Jacek B,KTL		
204	0%	XLDB2 report	10/1/2008	10/15/2008	Jacek B[20%],KTL[20%]		
205							
206	<b>75%</b>	<b>NCSA</b>	<b>7/21/2008</b>	<b>8/1/2008</b>			
207	75%	Security Document	7/21/2008	8/1/2008	Bill B[25%]		
208							
209	<b>35%</b>	<b>LSST Corp</b>	<b>5/1/2008</b>	<b>12/2/2009</b>			
210	<b>42%</b>	<b>Software Quality Assurance: Planning</b>	<b>5/1/2008</b>	<b>2/16/2009</b>			
211	<b>40%</b>	<b>Develop Framework of LSST DM Software Development Plans</b>	<b>5/1/2008</b>	<b>2/16/2009</b>			
212	30%	Software Quality Assurance Plan	5/1/2008	2/16/2009	Robyn A[33%]		
213	30%	Verification and Validation Plan	5/1/2008	2/16/2009	Robyn A[33%]		
214	60%	Configuration Management Plan	5/1/2008	2/16/2009	Robyn A[33%]		
215	<b>50%</b>	<b>Verification and Validation: Tracking Requirement to Tested Product Release</b>	<b>5/7/2008</b>	<b>2/16/2009</b>			
216	90%	Standards: develop standard labelling scheme for products and their provenance.	5/7/2008	2/16/2009	Robyn A		
217	10%	V and V: define the procedure whereby the initial requirements are traced to the validated product	5/12/2008	2/16/2009	Robyn A[50%]		
218	<b>0%</b>	<b>Standards: specify the testing requirements for each phase of Product development:</b>	<b>10/26/2009</b>	<b>12/2/2009</b>			
219	<b>0%</b>	<b>DC4 benchmark testing (need this for reference only)</b>	<b>12/2/2009</b>	<b>12/2/2009</b>			
220	0%	system tests: function, performance, interface, resource, security, portability, reliability, maintainability, safety	10/26/2009	11/2/2009	Robyn A[25%]		
221	0%	acceptance tests: capability and constraint tests	10/26/2009	11/2/2009	Robyn A[25%]		
222							
223	<b>0%</b>	<b>PDR</b>	<b>2/16/2009</b>	<b>2/16/2009</b>			



Project: LSST-DC3-v1.8-updated-07.2 Date: 9/10/2008	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

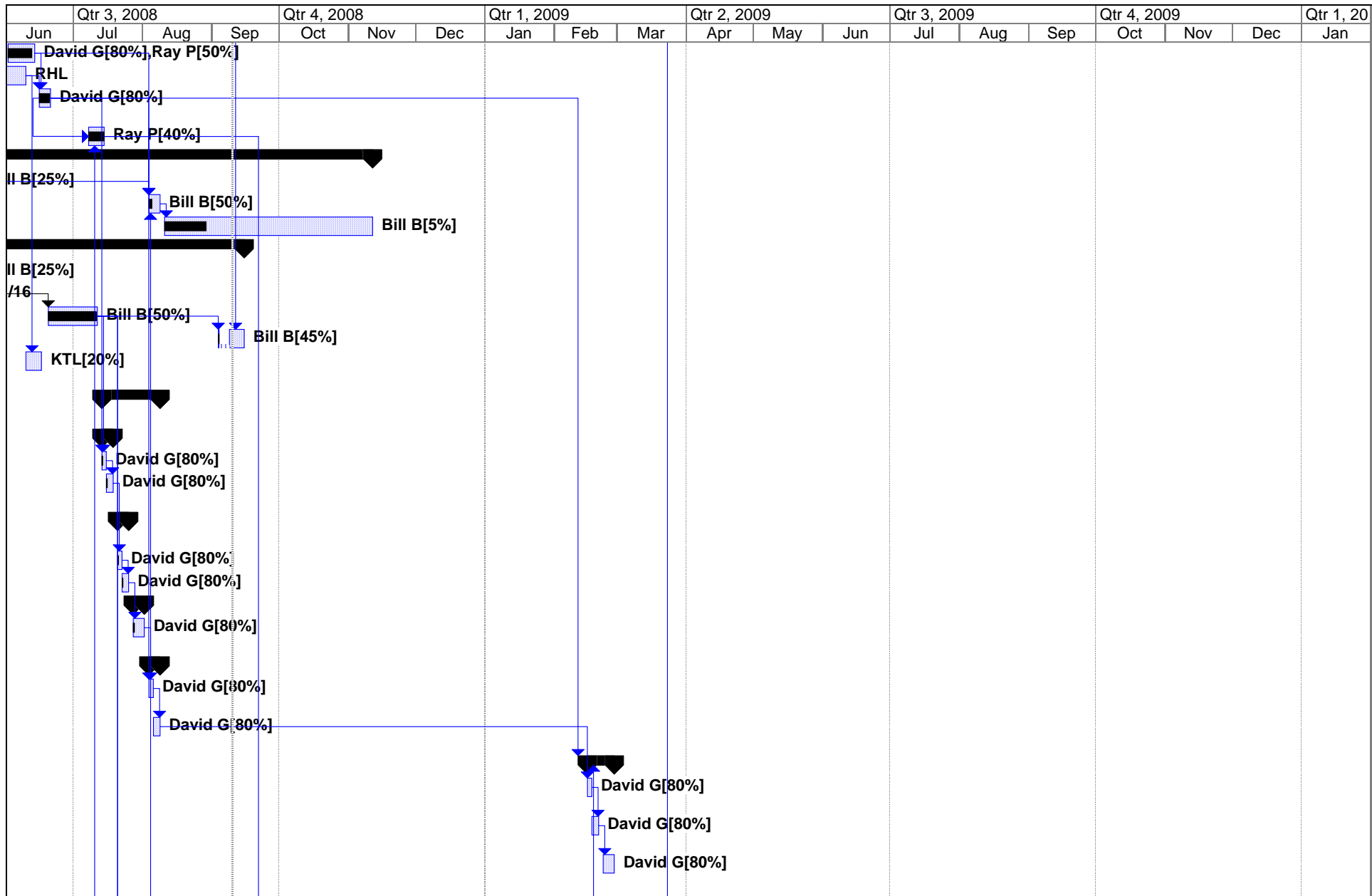




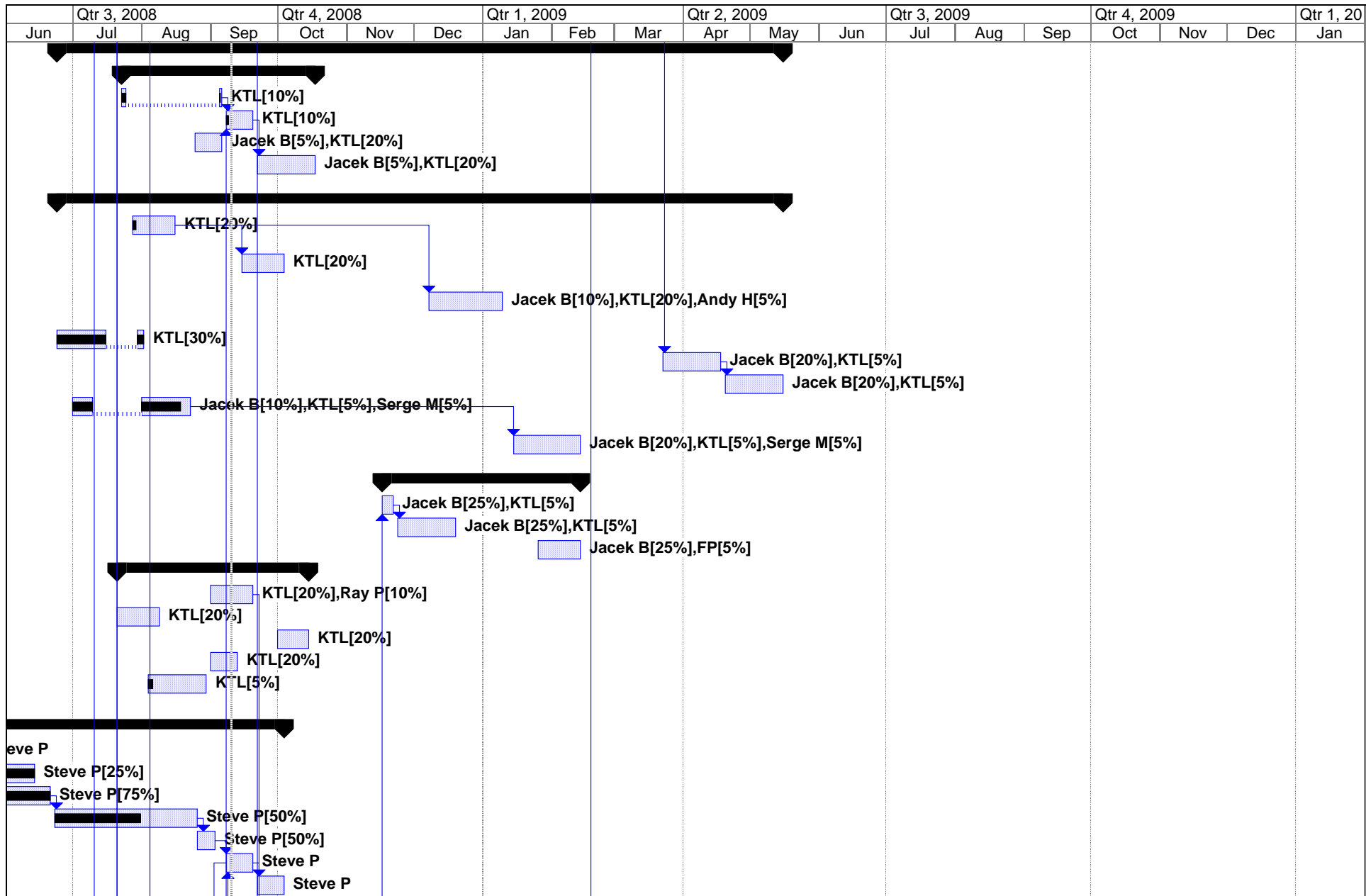
Project: LSST-DC3-v1.8-updated-07.2  
Date: 9/10/2008

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



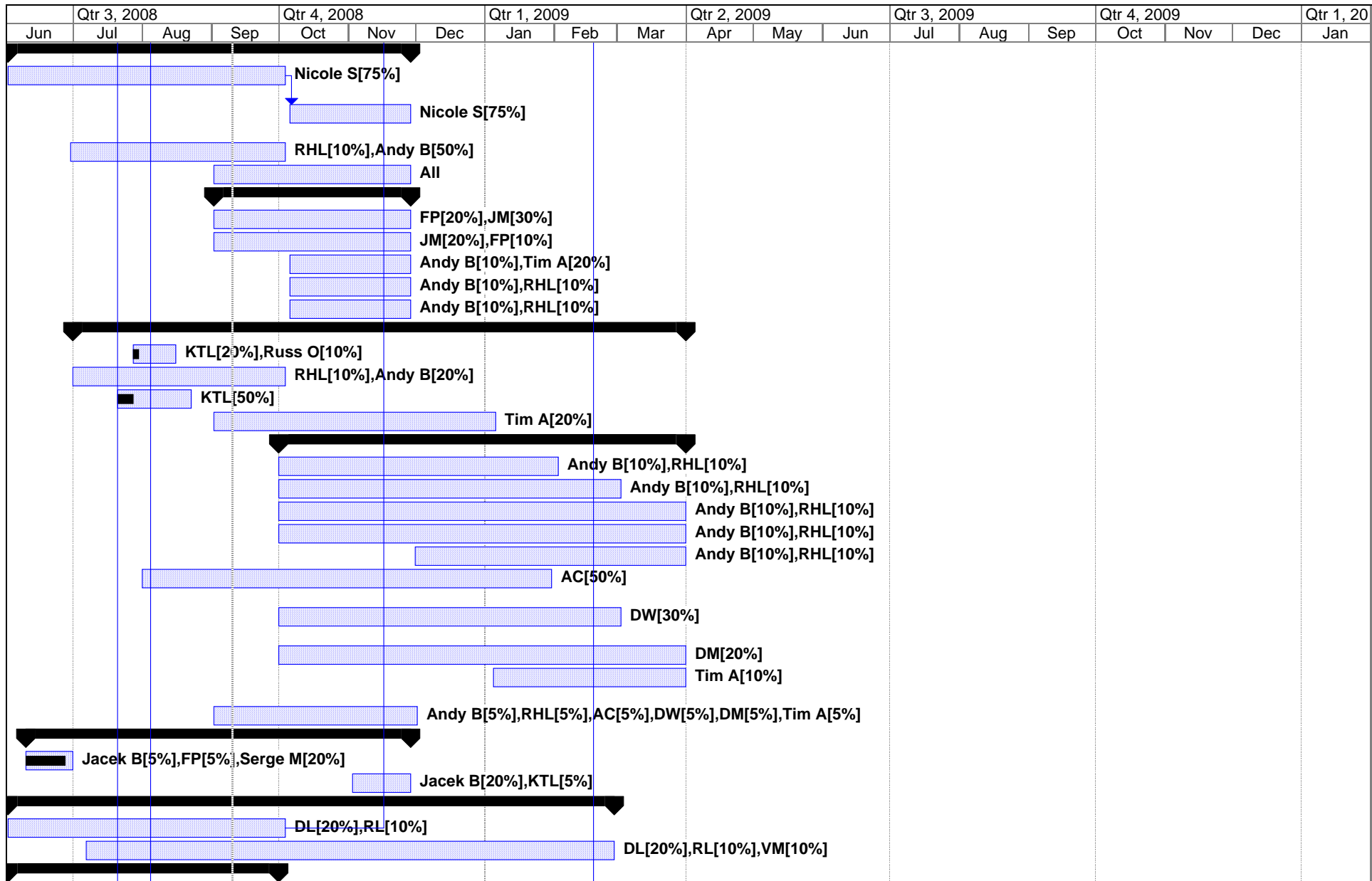


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Date: 9/10/2008



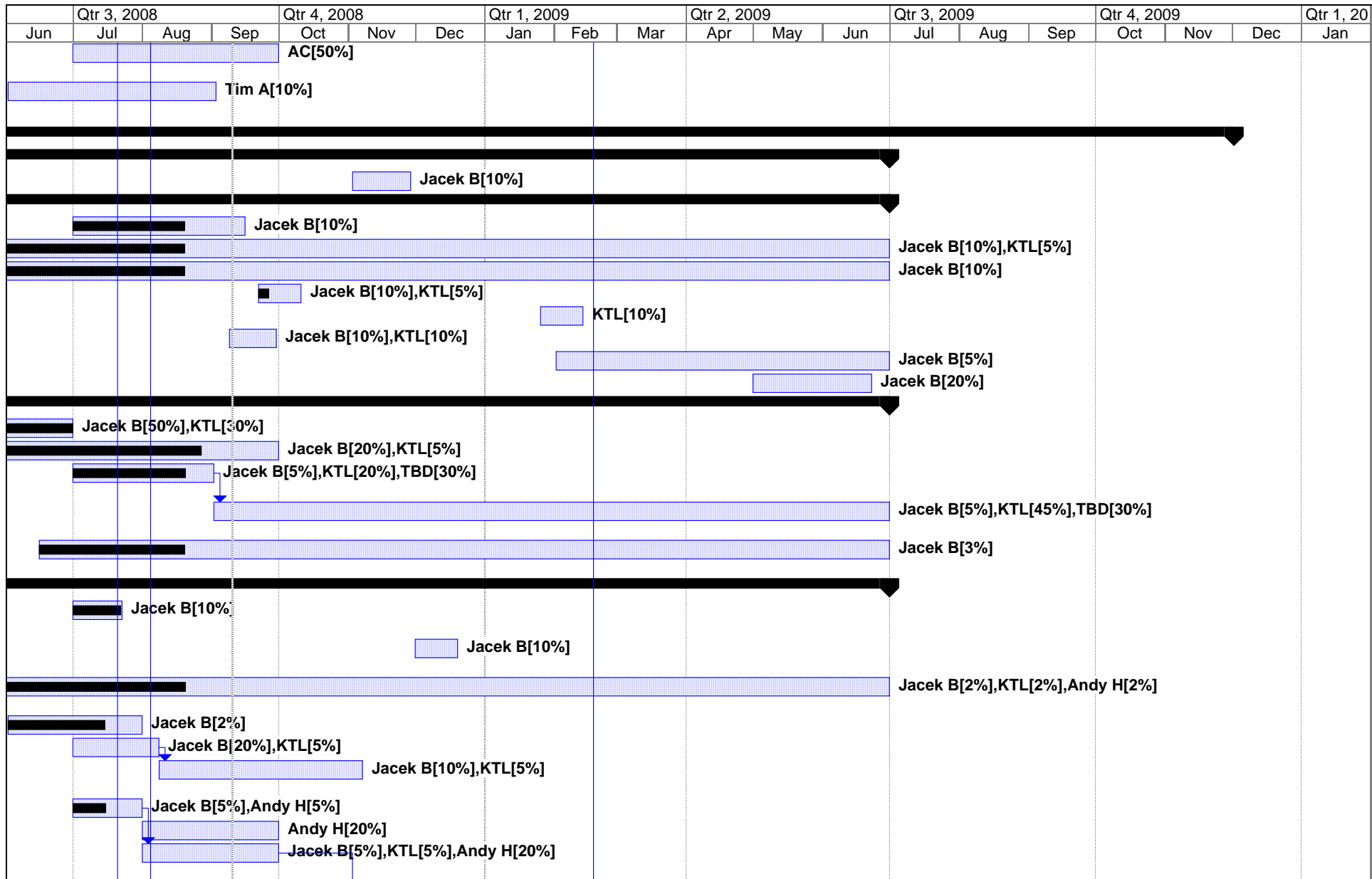
Project: LSST-DC3-v1.8-updated-07.2 Date: 9/10/2008	Task		Milestone		External Tasks	
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	Progress		Project Summary		Deadline	



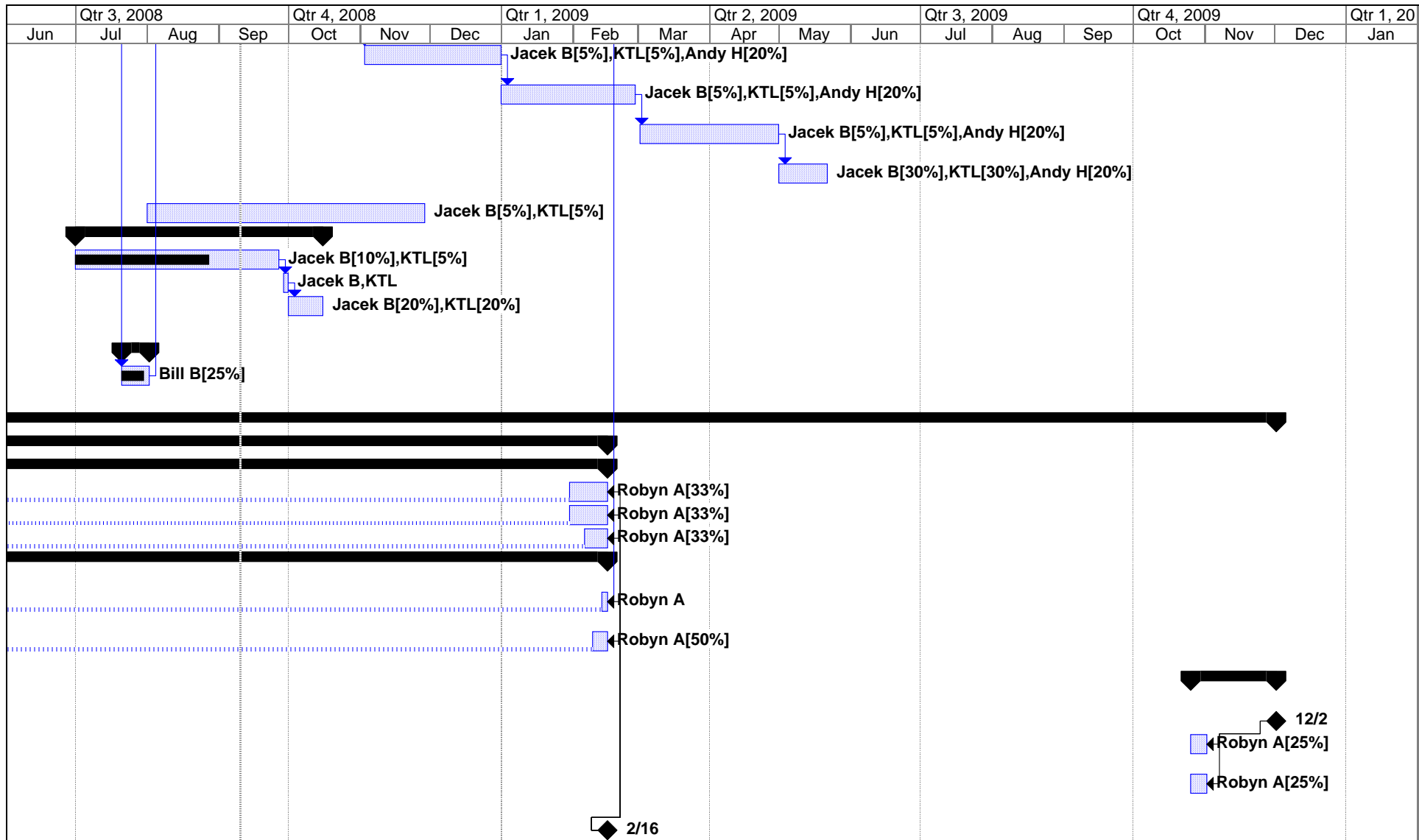


Project: LSST-DC3-v1.8-updated-07.2  
Date: 9/10/2008

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



Project: LSST-DC3-v1.8-updated-07.2  
Date: 9/10/2008



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