



Project: DM DC3 Applications Plan
Date: Fri 11/13/09

Task: [Blue hatched bar] Progress [Black bar] Summary [Black arrow] External Tasks [Grey bar] Deadline [Green arrow]

Split: [Dotted line] Milestone [Black diamond] Project Summary [Grey arrow] External Milestone [Black diamond]

Page 1

ID	LSST Task ID	Task Name	Duration	Start	Finish	August		September			October			November		December		January		February		M											
						/1	/2	/8	/2	/8	/9	/1	/2	/3	/9	/6	/1	/2	/2	/0	/1		/0	/1	/0	/2	/1	/1	/1	/2	/1	/2	/1
50		deep detection	60 days	Wed 7/29/09	Tue 10/20/09	[Summary bar]																											
51	APP149	move applications code out of stage code	7 days	Wed 7/29/09	Thu 8/6/09	[Task bar]																											
52	APP167	modify stage code to conform with new MW API	5 days	Wed 7/29/09	Tue 8/4/09	[Task bar]																											
53	APP104	code to detect chi-squared deep detection coadds (no outlier rej)	40 days	Thu 7/30/09	Wed 9/23/09	[Task bar]																											
54	APP103	create a set of chi-squared deep detection coadds	1 day	Wed 7/29/09	Wed 7/29/09	[Task bar]																											
55	APP102	code to measure quality of deep detection coadds	1 day	Thu 7/30/09	Thu 7/30/09	[Task bar]																											
56	APP105	PSF for deep detection	60 days	Wed 7/29/09	Tue 10/20/09	[Task bar]																											
57	APP101	simplified background estimation	14 days	Wed 7/29/09	Mon 8/17/09	[Task bar]																											
58		source measurement	128 days	Wed 7/29/09	Fri 1/22/10	[Summary bar]																											
59	APP112	stellar photometry	45 days	Wed 7/29/09	Tue 9/29/09	[Task bar]																											
60		multifit	128 days	Wed 7/29/09	Fri 1/22/10	[Summary bar]																											
61	APP150	move applications code out of stage code	50 days	Wed 7/29/09	Tue 10/6/09	[Task bar]																											
62	APP168	modify stage code to conform with new MW API	5 days	Wed 9/30/09	Tue 10/6/09	[Task bar]																											
63	APP109	complete API for model fitting with marginalization over cali	14 days	Wed 7/29/09	Mon 8/17/09	[Task bar]																											
64	APP108	implement convolved Sersic models	28 days	Tue 8/18/09	Thu 9/24/09	[Task bar]																											
65	APP107	implement multifit filter	28 days	Fri 9/25/09	Tue 11/3/09	[Task bar]																											
66	APP118	implement multifit pipeline which leverages multifit API and	7 days	Wed 11/4/09	Thu 11/12/09	[Task bar]																											
67	APP119	implement pipeline stage for extracting ellipse parameters,	9 days	Fri 11/13/09	Wed 11/25/09	[Task bar]																											
68	APP182	design review for multifit	1 day	Thu 11/26/09	Thu 11/26/09	[Task bar]																											
69	APP117	implement constrained models for forced photometry	21 days	Thu 11/26/09	Thu 12/24/09	[Task bar]																											
70	APP116	create LSST stages for photometry	21 days	Fri 12/25/09	Fri 1/22/10	[Task bar]																											
71		astrometry	50 days	Wed 7/29/09	Tue 10/6/09	[Summary bar]																											
72	APP151	implement stage structure for support astrometry code	30 days	Wed 7/29/09	Tue 9/8/09	[Task bar]																											
73	APP121	adapt astrometry code for DC3b use	50 days	Wed 7/29/09	Tue 10/6/09	[Task bar]																											
74		Applications Database Schema	121 days	Wed 7/29/09	Wed 1/13/10	[Summary bar]																											
75	APP53	schema updates for all source related tables and object table	121 days	Wed 7/29/09	Wed 1/13/10	[Task bar]																											
76	APP54	schema updates for all exposure related tables	120 days	Wed 7/29/09	Tue 1/12/10	[Task bar]																											
77	APP55	synthetic sources of data	30 days	Wed 7/29/09	Tue 9/8/09	[Task bar]																											
78	APP56	defining units	90 days	Wed 7/29/09	Tue 12/1/09	[Task bar]																											
79	APP57	standardizing names	44 days	Wed 7/29/09	Mon 9/28/09	[Task bar]																											
80		SDQA	93 days	Wed 7/29/09	Fri 12/4/09	[Summary bar]																											
81	APP169	modify stage code to conform with new MW API	5 days	Wed 7/29/09	Tue 8/4/09	[Task bar]																											
82	APP212	Update SDQA package to conform with C++ standards	3 days	Wed 7/29/09	Fri 7/31/09	[Task bar]																											
83	APP91	define DC3b goals for SDQA	17 days	Thu 8/20/09	Fri 9/11/09	[Task bar]																											
84	APP90	implement SDQA tool functionality to support DC3b goals	60 days	Mon 9/14/09	Fri 12/4/09	[Task bar]																											
85	APP89	query metadata and package in C++ container	40 days	Wed 7/29/09	Tue 9/22/09	[Task bar]																											
86	APP88	implement threshold comparison	21 days	Wed 7/29/09	Wed 8/26/09	[Task bar]																											
87	APP211	WCS verification code	21 days	Wed 7/29/09	Wed 8/26/09	[Task bar]																											
88	APP210	ATpy evaluation	15 days	Wed 7/29/09	Tue 8/18/09	[Task bar]																											
89	APP207	Production	7 days	Wed 7/29/09	Thu 8/6/09	[Summary bar]																											
90	APP192	translate overall production into pipeline , stages, and policies	7 days	Wed 7/29/09	Thu 8/6/09	[Task bar]																											
91		Data	8 days?	Wed 7/29/09	Fri 8/7/09	[Summary bar]																											
92	APP208	define CFHT to be used	1 day?	Wed 7/29/09	Wed 7/29/09	[Task bar]																											
93	APP123	find CFHT fringe frames and move to NCSA	7 days	Thu 7/30/09	Fri 8/7/09	[Task bar]																											
94	APP202	I&T Tasks	61 days	Wed 7/29/09	Wed 10/21/09	[Summary bar]																											
95	APP204	identify scientists to analyze stage output	26 days	Wed 7/29/09	Wed 9/2/09	[Task bar]																											
96	APP201	identify tools to analyze science data quality of stage output	21 days	Thu 9/3/09	Thu 10/1/09	[Task bar]																											
97	APP200	validate initial integration run successfully completed	14 days	Wed 7/29/09	Mon 8/17/09	[Task bar]																											
98	APP199	validate science quality of initial integration run	14 days	Fri 10/2/09	Wed 10/21/09	[Task bar]																											

Project: DM DC3 Applications Plan
Date: Fri 11/13/09

Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone

Page 2

ID	LSST Task ID	Task Name	Duration	Start	Finish	Gantt Chart																																		
						August	September	October	November	December	January	February	M	/1	/2	8/2	8/9	/1	/2	/3	9/6	/1	/2	/2	0/	0/1	0/1	0/2	1/	1/	1/1	1/2	1/2	2/	2/1	2/2	2/2	1/3	/1	/1
99		Simulation	157 days	Wed 7/29/09	Thu 3/4/10	[Gantt bar for Simulation]																																		
100	APP216	framework	60 days	Wed 7/29/09	Tue 10/20/09	[Gantt bar for framework]																																		
101	APP217	source catalog for science collaborations	60 days	Tue 9/1/09	Mon 11/23/09	[Gantt bar for source catalog]																																		
102	APP218	raytrace code	91 days	Wed 7/29/09	Wed 12/2/09	[Gantt bar for raytrace code]																																		
103	APP219	generate pointing for DC3b data run	7 days	Wed 9/30/09	Thu 10/8/09	[Gantt bar for generate pointing]																																		
104	APP220	generate catalogs for DC3b data run	21 days	Thu 12/3/09	Thu 12/31/09	[Gantt bar for generate catalogs]																																		
105	APP221	generate DC3b data	45 days	Fri 1/1/10	Thu 3/4/10	[Gantt bar for generate DC3b data]																																		
106	APP187	Provide physics needed in ImSim	5 days	Wed 7/29/09	Tue 8/4/09	[Gantt bar for Provide physics]																																		
107	APP186	Determine Multiple filters and number of images	5 days	Wed 8/5/09	Tue 8/11/09	[Gantt bar for Determine filters]																																		
108	APP191	Provide special case simulation needs (Axelrod)	5 days	Wed 7/29/09	Fri 8/14/09	[Gantt bar for Provide special case]																																		
109		Application Dependencies	1 day	Wed 7/29/09	Wed 7/29/09	[Gantt bar for Application Dependencies]																																		
110	APP125	focal plane model	1 day	Wed 7/29/09	Wed 7/29/09	[Gantt bar for focal plane model]																																		
111	APP126	complete list of measured and derived camera attributes	1 day	Wed 7/29/09	Wed 7/29/09	[Gantt bar for complete list]																																		

Axelrod Tim[10%]
Axelrod Tim[10%]
Axelrod Tim[5%]

Project: DM DC3 Applications Plan
Date: Fri 11/13/09

Task: [Blue hatched bar] Progress [Black bar] Summary [Black bar with arrow]
 Split: [Blue dotted bar] Milestone [Black diamond] Project Summary [Grey bar with arrow] External Milestone [Black diamond]

External Tasks: [Grey bar] Deadline: [Green arrow]