

ID	Task Mode	Task Name	Resource Names	Duration	Start	Finish	Timeline (October 9/15 to June 6/22)																							
1		<b>Simulator (design, implement, validate, document)</b>		<b>73 days?</b>	<b>Tue 10/1/13</b>	<b>Fri 1/10/14</b>	[Gantt bar from 10/1 to 1/10/14]																							
2		<b>Release 3.0</b>		<b>56 days?</b>	<b>Tue 10/1/13</b>	<b>Wed 12/18/13</b>	[Gantt bar from 10/1 to 12/18/13]																							
3		<b>Code Design Implementation</b>		<b>38 days?</b>	<b>Tue 10/1/13</b>	<b>Fri 11/22/13</b>	[Gantt bar from 10/1 to 11/22/13]																							
4	✓	Tag v3.0beta3.1 Release		0 days	Tue 10/1/13	Tue 10/1/13	[Milestone diamond at 10/1]																							
5	✓	OPSIM-7: Scheduler.conf and SchedulingData.conf key values not stored in the DB	Srini[80%]	3 days	Mon 11/4/13	Wed 11/6/13	[Task bar from 11/4 to 11/6, resource Srini[80%]]																							
6	!	OPSIM-39: Edit default proposal files and parameters in LSST.conf	Kem[25%]	3 days?	Thu 11/7/13	Mon 11/11/13	[Task bar from 11/7 to 11/11, resource Kem[25%]]																							
7	!	Change names for proposal Classes	Francisco[80%]	3 days?	Tue 11/12/13	Thu 11/14/13	[Task bar from 11/12 to 11/14, resource Francisco[80%]]																							
8	!	Other wrap-up changes	Francisco[80%]	5 days?	Fri 11/15/13	Thu 11/21/13	[Task bar from 11/15 to 11/21, resource Francisco[80%]]																							
9		Tag v3.0 Release		0 days	Fri 11/22/13	Fri 11/22/13	[Milestone diamond at 11/22]																							
10		<b>Validation</b>		<b>16 days?</b>	<b>Fri 10/25/13</b>	<b>Fri 11/15/13</b>	[Gantt bar from 10/25 to 11/15]																							
11	✓	Design Validation Plan and Runs	Kem[25%]	1 day	Fri 10/25/13	Fri 10/25/13	[Task bar at 10/25, resource Kem[25%]]																							
12		<b>Execute Runs</b>		<b>1 day?</b>	<b>Fri 10/25/13</b>	<b>Fri 10/25/13</b>	[Task bar at 10/25]																							
13	!	v3.0 analog to Reference Run opsim3.61	Cathy[25%]	6 days?	Mon 10/28/13	Mon 11/4/13	[Task bar from 10/28 to 11/4, resource Cathy[25%]]																							
14	!	New Reference Run	Kem[25%]	5 days?	Mon 10/28/13	Fri 11/1/13	[Task bar from 10/28 to 11/1, resource Kem[25%]]																							
15	!	<b>Analyze Runs</b>	<b>Cathy[25%], Kem[25%]</b>	<b>1 day?</b>	<b>Fri 10/25/13</b>	<b>Fri 10/25/13</b>	[Task bar at 10/25, resources Cathy[25%], Kem[25%]]																							
16	!	v3.0 analog to Reference Run opsim3.61	Cathy[25%]	10 days?	Mon 11/4/13	Fri 11/15/13	[Task bar from 11/4 to 11/15, resource Cathy[25%]]																							
17	!	New Reference Run	Kem[25%]	10 days?	Mon 11/4/13	Fri 11/15/13	[Task bar from 11/4 to 11/15, resource Kem[25%]]																							
18		<b>Documentation</b>		<b>35 days</b>	<b>Wed 10/30/13</b>	<b>Wed 12/18/13</b>	[Gantt bar from 10/30 to 12/18]																							
19	!	Simulator Requirements Doc: Create	Francisco[80%]	15 days	Wed 10/30/13	Tue 11/19/13	[Task bar from 10/30 to 11/19, resource Francisco[80%]]																							
20		Simulator Requirements Doc: Final	Francisco[80%]	0 days	Wed 11/20/13	Wed 11/20/13	[Milestone diamond at 11/20]																							
21	!	OPSIM-57: Validation Doc: Create	Cathy[25%]	15 days	Mon 11/18/13	Fri 12/6/13	[Task bar from 11/18 to 12/6, resource Cathy[25%]]																							
22		Validation Doc: Final	Cathy[25%]	0 days	Mon 12/9/13	Mon 12/9/13	[Milestone diamond at 12/9]																							
23	!	Reference Run Documentation package	Kem[25%]	20 days	Mon 11/18/13	Fri 12/13/13	[Task bar from 11/18 to 12/13, resource Kem[25%]]																							
24		<b>Simulator Description &amp; Use Doc</b>		<b>35 days</b>	<b>Wed 10/30/13</b>	<b>Wed 12/18/13</b>	[Gantt bar from 10/30 to 12/18]																							
25	!	Simulator Doc: Outline	Francisco[80%]	5 days	Wed 10/30/13	Tue 11/5/13	[Task bar from 10/30 to 11/5, resource Francisco[80%]]																							
26		<b>Components</b>		<b>25 days</b>	<b>Wed 11/6/13</b>	<b>Tue 12/10/13</b>	[Gantt bar from 11/6 to 12/10]																							
27	!	OPSIM-33: Write memo on the basic setup and running of the v3.0 simulator	Francisco[80%]	5 days	Wed 11/6/13	Tue 11/12/13	[Task bar from 11/6 to 11/12, resource Francisco[80%]]																							
28	!	OPSIM-54: Sphinx - description of new features (v2.6.1 to v3.0)	Kem[25%]	5 days	Wed 11/13/13	Tue 11/19/13	[Task bar from 11/13 to 11/19, resource Kem[25%]]																							
29	!	OPSIM-55: Sphinx - new DB structure and difference in output_* fields from v2..6.1	Srini[80%]	7 days	Wed 11/20/13	Thu 11/28/13	[Task bar from 11/20 to 11/28, resource Srini[80%]]																							
30		OPSIM-31: Write memo on the implementation of the Standby.conf in v3.0	Francisco[80%]	5 days	Wed 11/27/13	Tue 12/3/13	[Task bar from 11/27 to 12/3, resource Francisco[80%]]																							
31		Simulator Doc: Assemble all components	Francisco[80%]	5 days	Wed 12/4/13	Tue 12/10/13	[Task bar from 12/4 to 12/10, resource Francisco[80%]]																							
32		Simulator Doc: Review		5 days	Wed 12/11/13	Tue 12/17/13	[Task bar from 12/11 to 12/17]																							
33		Simulator Description & Use Doc: Final	Francisco[80%]	0 days	Wed 12/18/13	Wed 12/18/13	[Milestone diamond at 12/18]																							
34		<b>Release 3.1</b>		<b>58 days</b>	<b>Tue 10/1/13</b>	<b>Thu 12/19/13</b>	[Gantt bar from 10/1 to 12/19]																							
35		<b>Code Design &amp; Implementation</b>		<b>51 days</b>	<b>Thu 10/10/13</b>	<b>Thu 12/19/13</b>	[Gantt bar from 10/10 to 12/19]																							

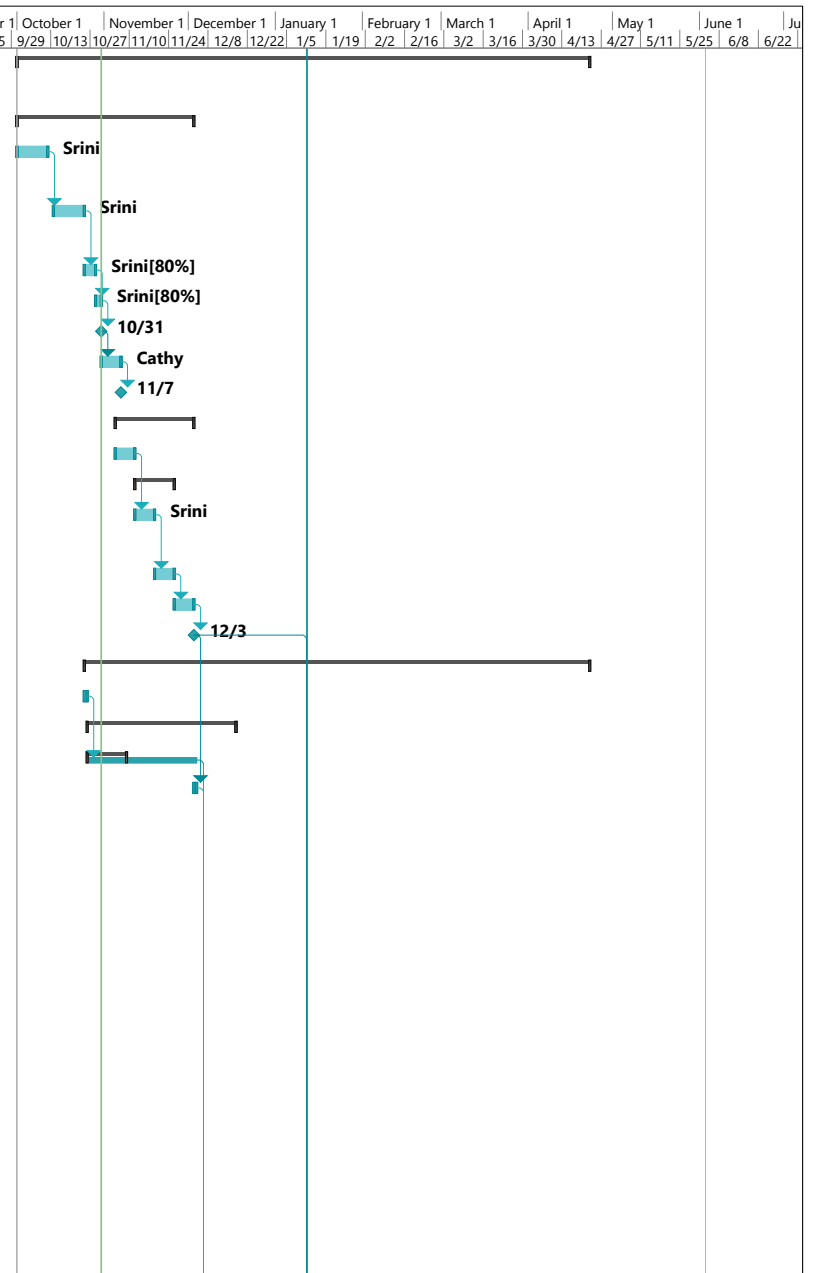
Project: Path to June 2014	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
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36		OPSIM-36: Implement deterministic look-ahead - WL type (sunrise, sunset, etc)	Francisco	80% 1 day	Wed 12/18/13	Wed 12/18/13											
37		OPSIM-37: Implement deterministic look-ahead for sequences	Francisco	80% 1 day	Thu 12/19/13	Thu 12/19/13											
38		Implement start/stop for rolling cadences	Francisco	80%													
39		OPSIM-38: Implement new Standby or idle-time strategy	Francisco	80%													
40		OPSIM-9: Dome crawl feature crashes the simulation under rare circumstances	Francisco	80%													
41		Define & Implement filter change / camera model	Kem	25%													
42		<b>Validation</b>		1 day	Tue 10/1/13	Tue 10/1/13											
43		OPSIM-56: Validation - does WL lookahead perform as expected	Kem	25%													
44		Validation - does WLTSS lookahead perform as expected	Kem	25%													
45		<b>Documentation</b>		1 day	Tue 10/1/13	Tue 10/1/13											
46		OPSIM-32: Write memo on how lookahead has been implemented in v3.0x	Francisco														
47		<b>Release 3.2</b>		1 day	Tue 10/1/13	Tue 10/1/13											
48		<b>Code Design &amp; Implementation</b>		1 day	Tue 10/1/13	Tue 10/1/13											
49		<b>Lookahead</b>		1 day	Tue 10/1/13	Tue 10/1/13											
50		OPSIM-45: Implement deterministic look-ahead to optimize the number of visits per unit time.	Francisco														
51		<b>Sky Brightness Model</b>		1 day	Tue 10/1/13	Tue 10/1/13											
52		OPSIM-41: Sky Brightness Model: create written assessment of current models	Kem														
53		OPSIM-42: Sky Brightness Model: develop unified model	Francisco														
54		OPSIM-34: Write memo describing the sky brightness	Francisco														
55		OPSIM-43: Sky Brightness Model: implement unified model	Francisco														
56		OPSIM-44: Sky Brightness Model: test unified model	Francisco														
57		<b>Warm Start</b>		1 day	Tue 10/1/13	Tue 10/1/13											
58		OPSIM-47: Warm Start: enable opsim to resume a partial run - Classes restructuring	Francisco														
59		OPSIM-46: Warm Start: enable opsim to resume a partial run - Database structure	Francisco														
60		<b>Other</b>		1 day	Tue 10/1/13	Tue 10/1/13											
61		OPSIM-40: Improve filter swap strategy	Francisco														
62		<b>Release 3.x or later (deferred)</b>		1 day	Tue 10/1/13	Tue 10/1/13											
63		Deferred features															
64		<b>Scheduler</b>		24 days	Mon 12/9/13	Fri 1/10/14											
65		Create Plan for dev of Simulator & Path to Scheduler	Abi,Kem	25%,24 days	Mon 12/9/13	Thu 1/9/14											
66		Document Plan for Path to Scheduler (incl dev. of Simulator)	Abi	25%	Fri 1/10/14	Fri 1/10/14											

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Task		Project Summary		Manual Task		Start-only		Deadline	
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Summary		Inactive Summary		Manual Summary		External Milestone			

ID	Task Mode	Task Name	Resource Names	Duration	Start	Finish	September 1	October 1	November 1	December 1	January 1	February 1	March 1	April 1	May 1	June 1	July 1										
67		<b>Post-processing &amp; Analysis (design, implement, validate, document)</b>		<b>146 days</b>	<b>Tue 10/1/13</b>	<b>Tue 4/22/14</b>	9/15	9/29	10/13	10/27	11/10	11/24	12/8	12/22	1/5	1/19	2/2	2/16	3/2	3/16	3/30	4/13	4/27	5/11	5/25	6/8	6/22
68		<b>SSTAR v4.0</b>		<b>45 days</b>	<b>Tue 10/1/13</b>	<b>Tue 12/3/13</b>																					
69		OPSIM-8: Add Scheduler.conf and SchedulingData.conf parameters into the SSTAR	Srini	9 days	Tue 10/1/13	Fri 10/11/13																					
70		OPSIM-21: Include tables in Standard Report for parameters from conf/survey/LSST.conf and conf/survey/Filters.conf	Srini	9 days	Mon 10/14/13	Thu 10/24/13																					
71		: Add 2 permission chmod statements in make_report.sh	Srini[80%]	2 days	Fri 10/25/13	Mon 10/28/13																					
72		OPSIM-53: summaryreport SQL queries taking too long	Srini[80%]	2 days	Tue 10/29/13	Wed 10/30/13																					
73		Release 4.0beta		0 days	Thu 10/31/13	Thu 10/31/13																					
74		: Validate preliminary installation of code	Cathy	5 days	Thu 10/31/13	Wed 11/6/13																					
75		Release 4.0		0 days	Thu 11/7/13	Thu 11/7/13																					
76		<b>Documentation</b>	<b>Srini[80%]</b>	<b>20 days</b>	<b>Tue 11/5/13</b>	<b>Tue 12/3/13</b>																					
77		Outline		5 days	Tue 11/5/13	Mon 11/11/13																					
78		<b>Components</b>		<b>10 days</b>	<b>Tue 11/12/13</b>	<b>Mon 11/25/13</b>																					
79		OPSIM-13: Add documentation explaining the change from v2.6.1 to v3.0 for the changes in seeing and cloud tables	Srini	5 days	Tue 11/12/13	Mon 11/18/13																					
80		Assemble all components		5 days	Tue 11/19/13	Mon 11/25/13																					
81		Review by Team		5 days	Tue 11/26/13	Mon 12/2/13																					
82		Code description and Use Document		0 days	Tue 12/3/13	Tue 12/3/13																					
83		<b>Metrics Framework</b>		<b>128 days</b>	<b>Fri 10/25/13</b>	<b>Tue 4/22/14</b>																					
84		Kickoff Meeting		1 day	Fri 10/25/13	Fri 10/25/13																					
85		<b>Design</b>		<b>37 days</b>	<b>Fri 10/25/13</b>	<b>Wed 12/18/13</b>																					
86		<b>Evaluate Features for addition to Framework</b>		<b>10 days</b>	<b>Fri 10/25/13</b>	<b>Fri 11/8/13</b>																					
87		OPSIM-23: Add the capability to generate a configuration table (Appendix B) based on the type of observing mode		1 day	Tue 12/3/13	Tue 12/3/13																					
88		OPSIM-22: Alter the way fields-based statistics are computed by starting with the fields requested, and not just fields that were visited.																									
89		OPSIM-29: Refine counting of unique observations																									
90		OPSIM-28: Values for LAT & LON should match SiteCP.conf or whatever the simulator uses.																									
91		OPSIM-27: Alter the color maps definitions to heat map or bi-color.																									
92		OPSIM-26: Add the capability to save the conf files for a session in a write-protected area.																									
93		OPSIM-25: Add the "Start-up" comment to the Standard Report for additional information about the run																									
94		OPSIM-24: Allow for backwards compatibility of the setting for the telescope seeing in the Engineering Specifications section for all simulation versions.																									



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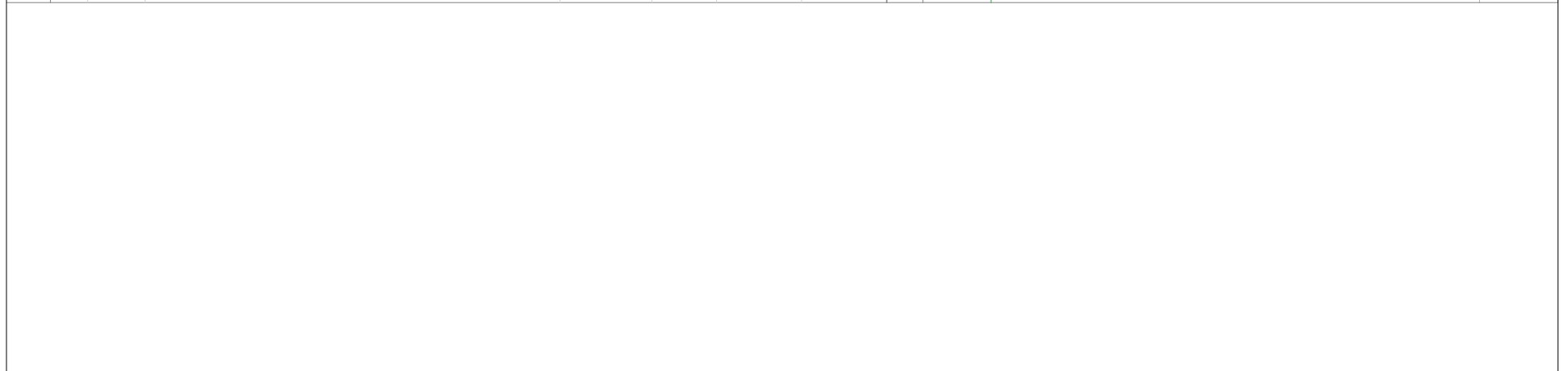
Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
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							9/15	9/29	10/13	10/27	11/10	11/24	12/8	12/22	1/5	1/19	2/2	2/16	3/2	3/16	3/30	4/13	4/27	5/11	5/25	6/8	6/22	
95	?	OPSIM-18: Add the capability to specify which proposals are WFD for comparison to SRD specs																										
96	?	OPSIM-17: Add capability to compare to user-defined benchmarks, not just stretch or design																										
97	?	OPSIM-12: Figures 7 & 8 - Number of visits for all propos																										
98	?	OPSIM-50: Add capability to specify which proposals are WFD for comparison to SRD or user-defined specs																										
99		Requirements Document		9 days	Wed 12/4/13	Mon 12/16/13																						
100		Design Review		0 days	Wed 12/18/13	Wed 12/18/13																						
101		Implementation		30 days	Wed 12/18/13	Tue 1/28/14																						
102		Validation		30 days	Wed 1/29/14	Tue 3/11/14																						
103		Documentation - installation & operation		30 days	Wed 3/12/14	Tue 4/22/14																						
104		<b>Survey Studies (plan, run, analyze, report, publish)</b>		<b>74 days?</b>	<b>Tue 10/1/13</b>	<b>Fri 1/10/14</b>																						
105		<b>Community Release Set</b>		<b>56 days?</b>	<b>Fri 10/25/13</b>	<b>Fri 1/10/14</b>																						
106	✓	Design & Plan Set of runs needed	Kem[25%]	1 day	Fri 10/25/13	Fri 10/25/13																						
107		Execute Runs		1 day?	Fri 10/25/13	Fri 10/25/13																						
108	!	Tier 1 Runs	Kem[25%]	5 days	Mon 10/28/13	Fri 11/1/13																						
109		Tier 2 Runs		10 days	Mon 12/2/13	Fri 12/13/13																						
110		Analyze Runs		1 day?	Fri 10/25/13	Fri 10/25/13																						
111	!	Tier 1 Runs	Kem[25%]	10 days	Mon 11/4/13	Fri 11/15/13																						
112		Tier 2 Runs		10 days	Mon 12/16/13	Fri 12/27/13																						
113		Documentation		1 day?	Fri 10/25/13	Fri 10/25/13																						
114	!	Tier 1 Runs	Kem[25%]	10 days	Mon 11/18/13	Fri 11/29/13																						
115		Tier 2 Runs		10 days	Mon 12/30/13	Fri 1/10/14																						
116		<b>Models &amp; Features</b>		<b>1 day?</b>	<b>Tue 10/1/13</b>	<b>Tue 10/1/13</b>																						
117	?	Excess of West HA Visits	Cathy[25%]																									
118	?	Dark Sky in z & y values																										
119	?	Weather Model Independence																										
120	?	Assess new sky brightness model	Kem[25%]																									
121	?	Assess lookahead efficiency compared to 2.6.1 or none	Kem[25%]																									
122		<b>Parameter Tuning Studies</b>		<b>1 day?</b>	<b>Tue 10/1/13</b>	<b>Tue 10/1/13</b>																						
123	?	Repeatability	Cathy[25%]																									
124	?	reuseRankingCount	Cathy[25%]																									
125	?	verify Distance2Moon value in v3.0	Cathy[25%]																									
126	?	numSuggestedObsPerProposal	Cathy[25%]																									
127	?	Configuration File Grid of runs v2.6.1																										
128	?	Configuration File Grid of runs v3.0																										
129	?	OverflowLevel + ProgressToStartBoost + MaxBoostToComplete (v2.6.1)																										
130	?	Validation benchmark set of runs development																										
131		<b>Systems Engineering</b>		<b>1 day?</b>	<b>Tue 10/1/13</b>	<b>Tue 10/1/13</b>																						

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132		Cable Wrap / Camera Rotator - write up needed	Kem[25%]	1 day	Tue 10/1/13	Tue 10/1/13	9/15	9/29	10/13	10/27	11/10	11/24	12/8	12/22	1/5	1/19	2/2	2/16	3/2	3/16	3/30	4/13	4/27	5/11	5/25	6/8	6/22	
133		Shutter maintainance schedule (filter changes)	Kem[25%]																									
134		Rerun of Telescope parameter studies?																										
135		<b>Infrastructure &amp; Support</b>		<b>1 day</b>	<b>Tue 10/1/13</b>	<b>Tue 10/1/13</b>																						
136		<b>Infrastructure</b>		<b>1 day</b>	<b>Tue 10/1/13</b>	<b>Tue 10/1/13</b>																						
137		Consolidate opsimX machines - backup and write all databases to central accessible repository	Srini																									
138		Move Simulator codebase to GIT	Francisco[80%]																									
139		Move SSTAR codebase to GIT	Srini[80%]																									
140		how to maintain Run Log? decide & Implement	Srini[80%]																									
141		<b>Support</b>		<b>1 day</b>	<b>Tue 10/1/13</b>	<b>Tue 10/1/13</b>																						
142		Install OpSim v3.0 & SSTAR v4.0 for Tod	Srini[80%]																									
143		Install OpSim v3.0 & SSTAR v4.0 for Knut	Srini[80%]																									
144		Install OpSim v3.0 & SSTAR v4.0 for Andy	Srini[80%]																									
145		Install OpSim v3.0 & SSTAR v4.0 for Steve (fix sstar)	Srini[80%]																									
146		Install OpSim v3.0 & SSTAR v4.0 for Kem (fix histograms)	Srini[80%]																									
147		Install OpSim v3.0 & SSTAR v4.0 for Abi	Srini[80%]																									
148		<b>Materials &amp; Presentations</b>		<b>1 day?</b>	<b>Tue 10/1/13</b>	<b>Tue 10/1/13</b>																						
149		Slide presentations for Review Dry Run		1 day?	Tue 10/1/13	Tue 10/1/13																						
150		<b>Major Milestones</b>		<b>100 days</b>	<b>Mon 1/13/14</b>	<b>Mon 6/2/14</b>																						
151		OpSim Review Dry Run		0 days	Mon 1/13/14	Mon 1/13/14																						
152		OpSim Review		0 days	Mon 2/3/14	Mon 2/3/14																						
153		Summer Workshop Tools Complete		0 days	Mon 3/17/14	Mon 3/17/14																						
154		Summer Workshop Studies & Products Complete		0 days	Mon 5/5/14	Mon 5/5/14																						
155		Summer Workshop Dry Run		0 days	Mon 5/19/14	Mon 5/19/14																						
156		Summer Workshop		0 days	Mon 6/2/14	Mon 6/2/14																						



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