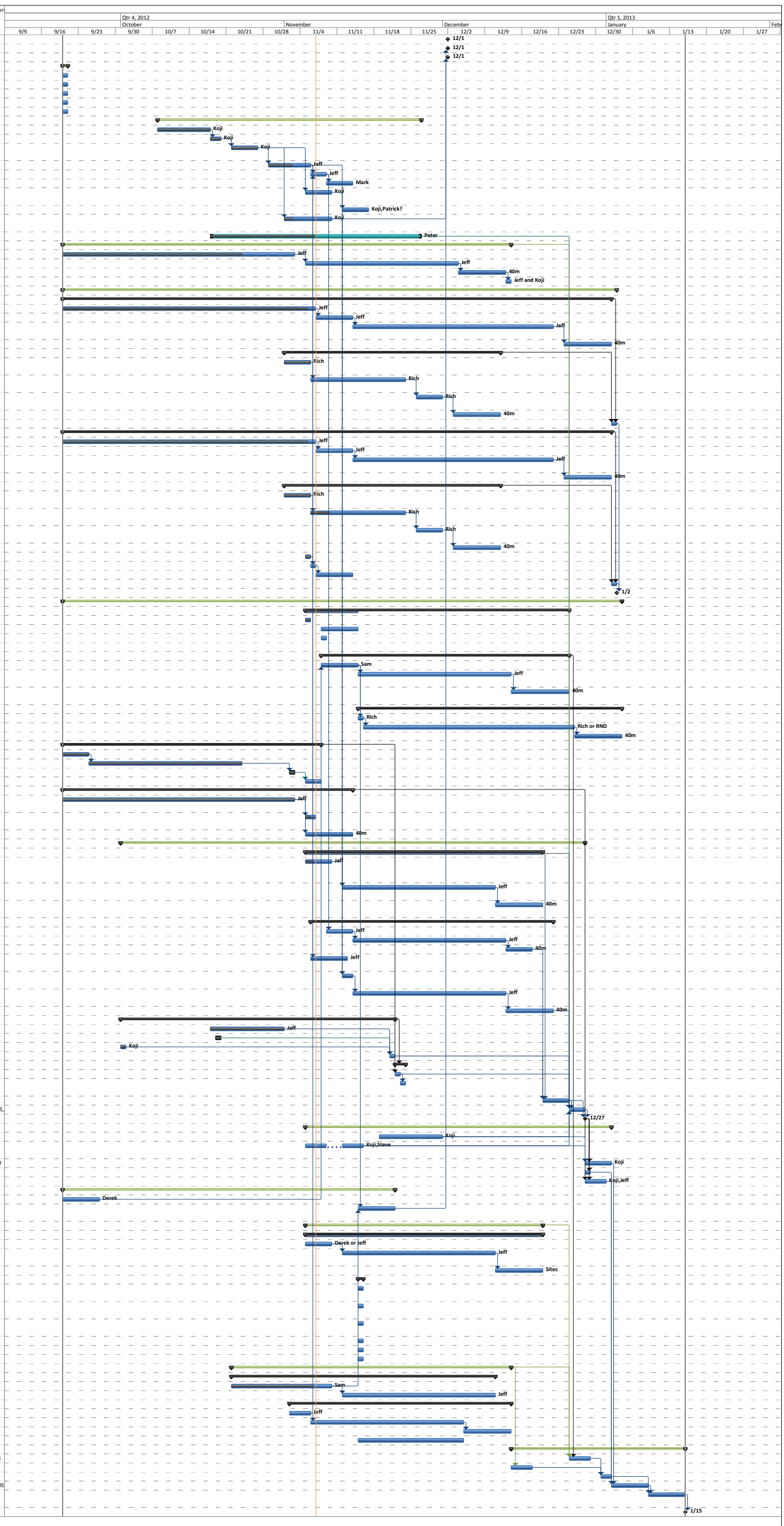
ID	Task Name	Duration	Start	Finish	Predecessors
1	SYS: FDRs	0 days	Dec 1 '12	Dec 1 '12	
2	Delta FDR, SUS	0 days	Dec 1 '12	Dec 1 '12	108
3	Delta FDR, ISC	0 days	Dec 1 '12	Dec 1 '12	19
4	SYS: Documentation	1 day?	Sep 20 '12	Sep 20 '12	
5	Hazard Analysis, SUS, edit	1 day?	Sep 20 '12	Sep 20 '12	
6	Hazard Analysis, ISC, edit	1 day?	Sep 20 '12	Sep 20 '12	
7	Assembly documentation	1 day?	Sep 20 '12	Sep 20 '12	
8	Acceptance documentation	1 day?	Sep 20 '12	Sep 20 '12	
9	Installation documentation	1 day?	Sep 20 '12	Sep 20 '12	
10	ISC: Optics and layout	36 days	Oct 8 '12	Nov 26 '12	
11	Setup Optics lab in ATF	8 days	Oct 8 '12	Oct 17 '12	
12	Mirror testing initial	2 days	Oct 18 '12	Oct 19 '12	11
13	Optics design/beam paths (approximate)	5 days	Oct 22 '12	Oct 26 '12	12
14	Optics bench layout in SW	6 days	Oct 29 '12	Nov 5 '12	13
15	Balance optics bench in SW	3 days	Nov 6 '12	Nov 8 '12	14,126
16	Update MATLAB parameters	3 days	Nov 9 '12	Nov 13 '12	15
17	Mirror testing secondary (RoC, R&T, Wedge)	5 days	Nov 5 '12	Nov 9 '12	13
18	Mirror testing final	5 days	Nov 12 '12	Nov 16 '12	17
19	Precise optics design/beam paths with numerical simulation	7 days	Nov 1 '12	Nov 9 '12	13
20	Prism Mount Block, procurement	28 days	Oct 18 '12	Nov 26 '12	
21	ISC: Beam dumps	61 days	Sep 20 '12	Dec 13 '12	
22	Beam dumps, finish design	32 days	Sep 20 '12	Nov 2 '12	
23	Beam dumps, procure hardware	21 days	Nov 5 '12	Dec 3 '12	22
24	Beam dumps, clean hardware	7 days	Dec 4 '12	Dec 12 '12	23
25	Beam dumps, assemble/bond	1 day	Dec 13 '12	Dec 13 '12	24
26	ISC: PD and QPD mounting	75 days	Sep 20 '12	Jan 2 '13	
27	PD mount mechanical assy	74 days	Sep 20 '12	Jan 1 '13	
28	PD mount assy, design	34 days	Sep 20 '12	Nov 6 '12	
29	PD mount assy, prototype	5 days	Nov 7 '12	Nov 13 '12	28
30	PD mount assy, procure hardware	28 days	Nov 14 '12	Dec 21 '12	29
31	PD mount assy, C&B	7 days	Dec 24 '12	Jan 1 '13	30
32	PD mount circuit board	29 days	Nov 1 '12	Dec 11 '12	
33	PD mount circuit board, design	3 days	Nov 1 '12	Nov 5 '12	
34	PD mount circuit board, procure hardware	14 days	Nov 6 '12	Nov 23 '12	33
35	PD mount circuit board, solder wires	5 days	Nov 26 '12	Nov 30 '12	34
36	PD mount circuit board, C&B	7 days	Dec 3 '12	Dec 11 '12	35
37	PD mount build	1 day	Jan 2 '13	Jan 2 '13	27,32
38	QPD mount mechanical assy	74 days	Sep 20 '12	Jan 1 '13	
39	QPD mount assy, design	34 days	Sep 20 '12	Nov 6 '12	
40	QPD mount assy, prototype	5 days	Nov 7 '12	Nov 13 '12	39
41	QPD mount assy, procure hardware	28 days	Nov 14 '12	Dec 21 '12	40
42	QPD mount assy, C&B	7 days	Dec 24 '12	Jan 1 '13	41
43	QPD mount circuit board	29 days	Nov 1 '12	Dec 11 '12	
44	QPD mount circuit board, design	3 days	Nov 1 '12	Nov 5 '12	
45	QPD mount circuit board, procure hardware	14 days	Nov 6 '12	Nov 23 '12	44
46	QPD mount circuit board, solder wires	5 days	Nov 26 '12	Nov 30 '12	45
47	QPD mount circuit board, C&B	7 days	Dec 3 '12	Dec 11 '12	46
48	PD/QPD procurement	1 day	Nov 5 '12	Nov 5 '12	
49	PD/QPD test	1 day	Nov 6 '12	Nov 6 '12	48
50	PD/QPD clean&bake	5 days	Nov 7 '12	Nov 13 '12	49
51	QPD mount build	1 day	Jan 2 '13	Jan 2 '13	38,43
52	PD/QPD ready	0 days	Jan 2 '13	Jan 2 '13	37,51
53	ISC: Misc. in-vacuum components	76 days?	Sep 20 '12	Jan 3 '13	
54	Pre-amp box	36 days?	Nov 5 '12	Dec 24 '12	
55	pre-amp boxes	1 day	Nov 5 '12	Nov 5 '12	
56	pre-amp circuit board	5 days	Nov 8 '12	Nov 14 '12	
57	pre-amp uD connectors	1 day	Nov 8 '12	Nov 8 '12	
58	pre-amp assembly				
59	Pre-amp mounting	33 days	Nov 8 '12	Dec 24 '12	
60	Pre-amp mounting, design	5 days	Nov 8 '12	Nov 14 '12	107
61	Pre-amp mounting, procure hardware	21 days	Nov 15 '12	Dec 13 '12	60
62	Pre-amp mounting hardware, clean	7 days	Dec 14 '12	Dec 24 '12	61
63	Cables/Cable routing	36 days	Nov 15 '12	Jan 3 '13	
64	Cable routing and length	1 day	Nov 15 '12	Nov 15 '12	60
65	Cable fab or procurement	28 days	Nov 16 '12	Dec 25 '12	64
66	Cable cleaning	7 days	Dec 26 '12	Jan 3 '13	65
67	PZTs	35 days	Sep 20 '12	Nov 7 '12	
68	PZTs, specify/design	3 days	Sep 20 '12	Sep 24 '12	
69	PZTs, procure	21 days	Sep 25 '12	Oct 23 '12	68
70	PZTs, shipment	1 day	Nov 2 '12	Nov 2 '12	69
71	PZTs, connect wires	3 days	Nov 5 '12	Nov 7 '12	70
72	Wire crimps	39 days	Sep 20 '12	Nov 13 '12	
73	Wire crimps (D1200971) procurement	32 days	Sep 20 '12	Nov 2 '12	
74	Wire crimps (D1200971) testing	2 days	Nov 5 '12	Nov 6 '12	73
75	Wire crimps (D1200971) C&B	7 days	Nov 5 '12	Nov 13 '12	73
76	ISC: UV bonding and templates	64 days	Oct 1 '12	Dec 27 '12	
77	Breadboard transport fixture	33 days	Nov 5 '12	Dec 19 '12	
78	Breadboard transport fixture, re-design MAYBE NEED TO USE DURING GLUING	5 days	Nov 5 '12	Nov 9 '12	
79	Breadboard transport fixture, procure hardware	21 days	Nov 12 '12	Dec 10 '12	78
80	Breadboard transport fixture, clean	7 days	Dec 11 '12	Dec 19 '12	79
81	Gluing template Top/Bottom	34 days	Nov 6 '12	Dec 21 '12	
82	Gluing template, Top, design	3 days	Nov 9 '12	Nov 13 '12	15
83	Gluing template, Top, procure	21 days	Nov 14 '12	Dec 12 '12	82
84	Gluing template, Top, clean	3 days	Dec 13 '12	Dec 17 '12	83
85	Gluing template, Bottom, design	5 days	Nov 6 '12	Nov 12 '12	14
86	Gluing template, Bottom, design, final fix	2 days	Nov 12 '12	Nov 13 '12	14,19
87	Gluing template, Bottom, procure	21 days	Nov 14 '12	Dec 12 '12	86
88	Gluing template, Bottom, clean	7 days	Dec 13 '12	Dec 21 '12	87
89	Bonding Test	38 days	Oct 1 '12	Nov 21 '12	
90	UV epoxy, procure	10 days	Oct 18 '12	Oct 31 '12	
91	Procure test optics to glue test	1 day	Oct 19 '12	Oct 19 '12	
92	UV lamp (epoxy cure), test	1 day	Oct 1 '12	Oct 1 '12	
93	Gluing test	1 day	Nov 21 '12	Nov 21 '12	92,90,91
94	PZT mirror bonding	2 days	Nov 22 '12	Nov 23 '12	89
95	Bonding PZT mirrors	1 day	Nov 22 '12	Nov 22 '12	67
96	Bonded PZT mirror wedge angle test	1 day	Nov 23 '12	Nov 23 '12	95
97	UV bond topside LLO	3 days	Dec 20 '12	Dec 24 '12	84,93,77
98	UV bond bottomside LLO	3 days	Dec 25 '12	Dec 27 '12	88,93,77,95,
99	OMC Plate for LLO done	0 days	Dec 27 '12	Dec 27 '12	97,98
100	ISC: Testing	42 days	Nov 5 '12	Jan 1 '13	
101	Setup Optics lab in Bridge 056	10 days	Nov 19 '12	Nov 30 '12	
102	Prepare laser, optics, mounts, COTS mirrors	8 days	Nov 5 '12	Nov 15 '12	
103	Optical testing of breadboard	3 days	Dec 28 '12	Jan 1 '13	101,102,99
104	Electrical testing	1 day	Dec 28 '12	Dec 28 '12	99
105	Suspending testing at CIT	2 days	Dec 28 '12	Dec 31 '12	72,99
106	SUS: SW model	45 days	Sep 20 '12	Nov 21 '12	
107	SUS SolidWorks model, update	5 days	Sep 20 '12	Sep 26 '12	
108	SUS SolidWorks model, final update	5 days	Nov 15 '12	Nov 21 '12	60,123
109	SUS: Tooling	33 days?	Nov 5 '12	Dec 19 '12	
110	Wire jig assy	33 days	Nov 5 '12	Dec 19 '12	
111	Wire jig assy, re-design	5 days	Nov 5 '12	Nov 9 '12	
112	Wire jig assy, modify/procure hardware	21 days	Nov 12 '12	Dec 10 '12	111
113	Wire jig assy, clean hardware	7 days	Dec 11 '12	Dec 19 '12	112
114	Metal mock assy	1 day?	Nov 15 '12	Nov 15 '12	
115	Design mods to metal breadboards	1 day?	Nov 15 '12	Nov 15 '12	
116	Fabricate modes to metal breadboards	1 day?	Nov 15 '12	Nov 15 '12	
117	Clean modified metal breadboards	1 day?	Nov 15 '12	Nov 15 '12	
118	Design metal wire brackets	1 day?	Nov 15 '12	Nov 15 '12	
119	Procure metal wire brackets	1 day?	Nov 15 '12	Nov 15 '12	
120	Clean metal wire brackets	1 day?	Nov 15 '12	Nov 15 '12	
121	SUS: Misc. in-vacuum components	39 days	Oct 22 '12	Dec 13 '12	
122	EQ stops	36 days	Oct 22 '12	Dec 10 '12	
123	EQ stops, design	15 days	Oct 22 '12	Nov 9 '12	
124	EQ stops, procure hardware	21 days	Nov 12 '12	Dec 10 '12	123
125	Balance weights	30 days	Nov 2 '12	Dec 13 '12	
126	Balance weights	2 days	Nov 2 '12	Nov 5 '12	
127	Balance weights, procure	21 days	Nov 6 '12	Dec 4 '12	126
128	Balance weights, C&B	7 days	Dec 5 '12	Dec 13 '12	127
129	Creep bake blade springs	14 days	Nov 15 '12	Dec 4 '12	
130	Installation LLO	23 days	Dec 14 '12	Jan 15 '13	
131	SUS build LLO	4 days	Dec 25 '12	Dec 28 '12	109,59,121
132	Replace blade springs	2 days	Dec 14 '12	Dec 17 '12	121
133	Suspending test LLO	2 days	Dec 31 '12	Jan 1 '13	131,132
134	OMC plate shipping	5 days	Jan 2 '13	Jan 8 '13	103,104,105
135	OMC Plate installation	5 days	Jan 9 '13	Jan 15 '13	133,134
136	LLO OMC installation complete!	0 days	Jan 15 '13	Jan 15 '13	135



Project: OMC Project Schedule.m
Date: Nov 7 '12

Task | Split | Milestone | Summary | Project Summary | External Tasks | External Milestone | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | Deadline | Progress