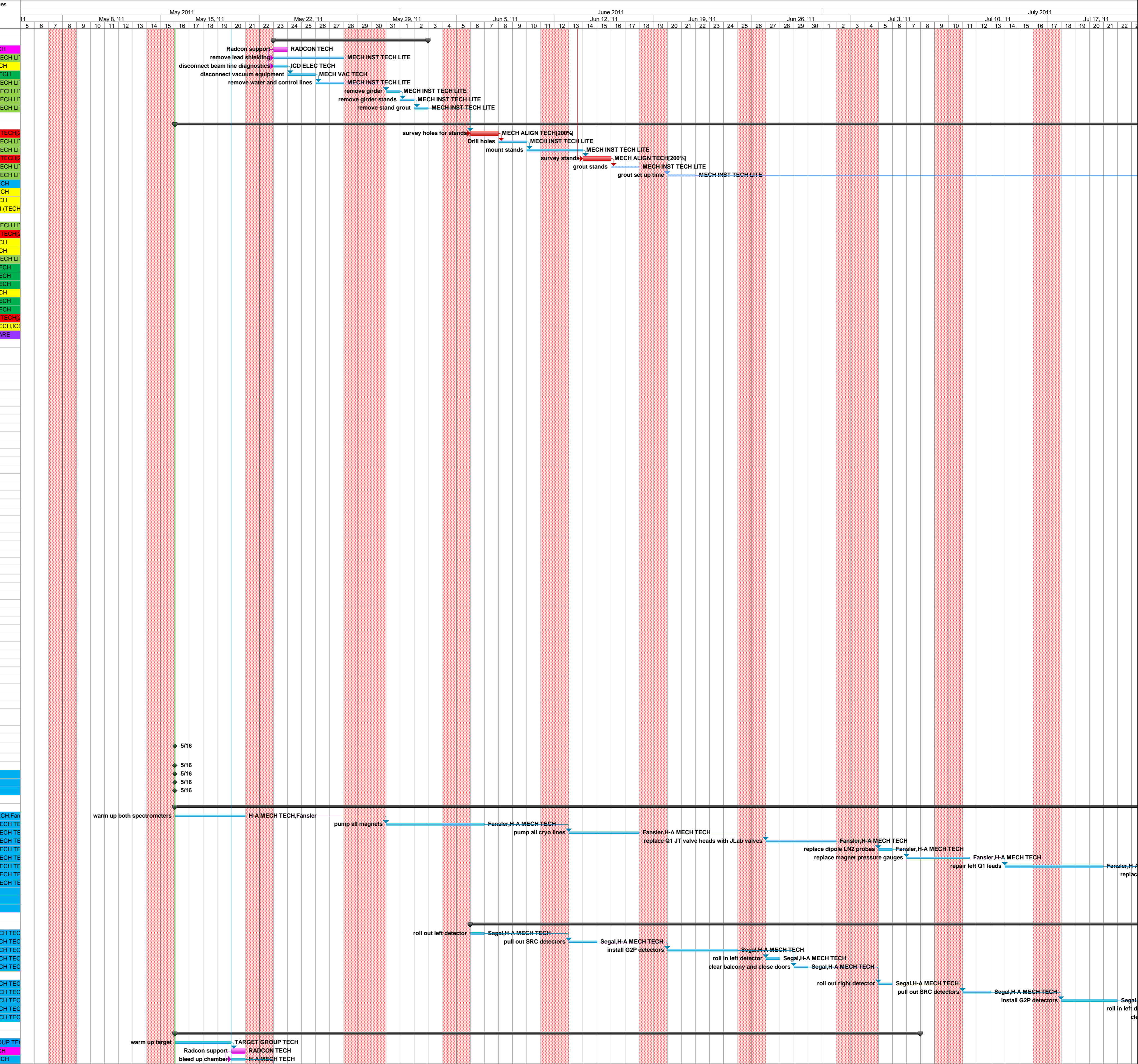
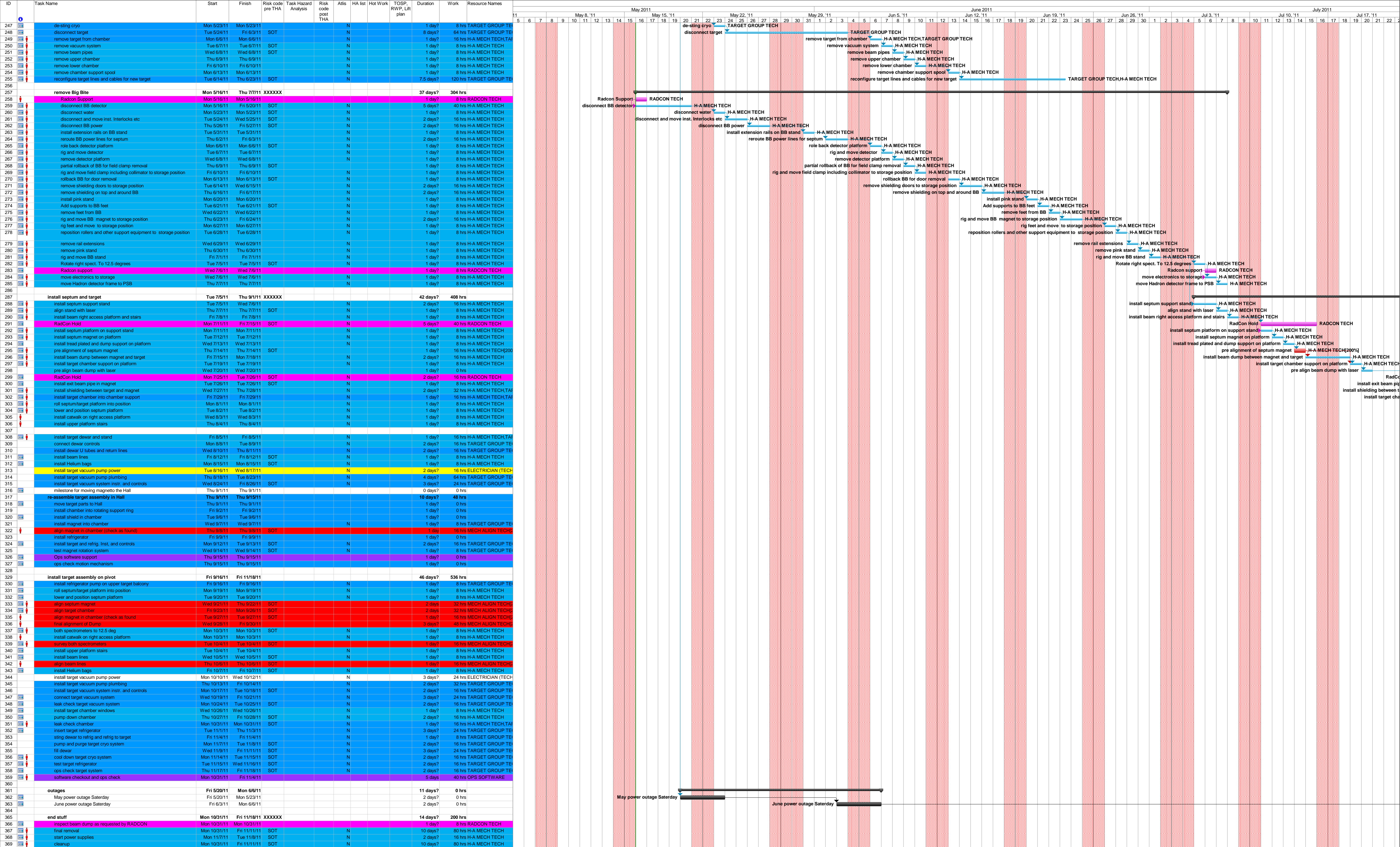


Task Name	Start	Finish	Risk code pre THA	Task Hazard Analysis	Risk code post THA	Atis	HA list	Hot Work	TOSP, RWP, Lift plan	Duration	Work	Resource Names
124												
125										8 days?	112 hrs	
126	remove girder	Mon 5/23/11	Thu 6/2/11	XXXXXX								
127	Radcon support	Mon 5/23/11	Mon 5/23/11	SOT						1 day?	8 hrs	RADCON TECH
128	remove lead shielding	Mon 5/23/11	Fri 5/27/11							5 days?	40 hrs	MECH INST TECH LITE
129	disconnect beam line diagnostics	Mon 5/23/11	Mon 5/23/11	SOT						1 day?	8 hrs	ICD ELEC TECH
130	disconnect vacuum equipment	Tue 5/24/11	Wed 5/25/11	SOT						2 days?	16 hrs	MECH VAC TECH
131	remove water and control lines	Thu 5/26/11	Fri 5/27/11	SOT						1 day?	16 hrs	MECH INST TECH LITE
132	remove girder	Tue 5/31/11	Tue 5/31/11	SOT						1 day?	8 hrs	MECH INST TECH LITE
133	remove girder stands	Wed 6/1/11	Wed 6/1/11	SOT						1 day?	8 hrs	MECH INST TECH LITE
134	remove stand grout	Thu 6/2/11	Thu 6/2/11	SOT						1 day?	8 hrs	MECH INST TECH LITE
135												
136	install FZ magnets	Mon 5/16/11	Fri 11/4/11	XXXXXX						122 days?	704 hrs	
137	survey holes for stands	Mon 5/23/11	Tue 5/23/11	SOT						2 days?	16 hrs	MECH ALIGN TECH
138	Drill holes	Wed 6/8/11	Thu 6/9/11	SOT						2 days?	16 hrs	MECH INST TECH LITE
139	mount stands	Fri 6/10/11	Mon 6/13/11	SOT						2 days?	16 hrs	MECH INST TECH LITE
140	survey stands	Tue 6/14/11	Wed 6/15/11	SOT						2 days?	32 hrs	MECH ALIGN TECH
141	grout stands	Thu 6/16/11	Fri 6/17/11	SOT						2 days?	16 hrs	MECH INST TECH LITE
142	grout set up time	Mon 6/20/11	Tue 6/21/11	SOT						2 days?	16 hrs	MECH INST TECH LITE
143	install cable tray	Wed 8/3/11	Fri 8/5/11		N					3 days?	24 hrs	H-A MECH TECH
144	run magnet power cables	Mon 8/8/11	Tue 8/9/11		N					2 days?	16 hrs	H-A MECH TECH
145	run instrumentation cables	Wed 8/10/11	Thu 8/11/11							2 days?	16 hrs	ICD ELEC TECH
146	connect AC power to power supplies	Fri 8/12/11	Mon 8/15/11	SOT						2 days?	16 hrs	ELECTRICIAN (TECH
147	install FZ magnets	Tue 8/16/11	Mon 8/29/11							10 days?	80 hrs	MECH INST TECH LITE
148	survey FZ magnets	Tue 8/30/11	Fri 9/2/11							4 days?	64 hrs	MECH ALIGN TECH
149	install and connect DC power to magnets	Tue 9/6/11	Tue 9/6/11							1 day?	8 hrs	ICD ELEC TECH
150	ops check magnets	Wed 9/7/11	Tue 9/13/11							5 days?	40 hrs	ICD ELEC TECH
151	install FZ beam line supports	Wed 9/14/11	Fri 9/16/11							3 days?	24 hrs	MECH INST TECH LITE
152	install beam lines and beam diagnostics	Mon 9/19/11	Fri 9/23/11							5 days?	40 hrs	MECH VAC TECH
153	install vacuum system	Mon 9/26/11	Fri 9/30/11	SOT						5 days?	40 hrs	MECH VAC TECH
154	repair all metal valve	Mon 10/3/11	Mon 10/3/11	SOT						1 day?	8 hrs	MECH VAC TECH
155	install instrumentation	Tue 10/4/11	Fri 10/7/11	SOT						4 days?	32 hrs	ICD ELEC TECH
156	pump down beam line	Mon 10/10/11	Tue 10/11/11	SOT						2 days?	16 hrs	MECH VAC TECH
157	leak check beam lines	Wed 10/12/11	Thu 10/13/11	SOT						2 days?	16 hrs	MECH VAC TECH
158	survey beam lines	Fri 10/14/11	Tue 10/18/11							3 days?	48 hrs	MECH ALIGN TECH
159	ops check	Wed 10/19/11	Fri 10/21/11	SOT						3 days?	48 hrs	MECH VAC TECH,ICD
160	software checkout and ops check	Mon 10/31/11	Fri 11/4/11							5 days?	40 hrs	OPS SOFTWARE
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209	Hall A from here down	Mon 5/16/11	Mon 5/16/11							0 days?	0 hrs	
210												
211	target / septa prep work	Mon 5/16/11	Mon 5/16/11	XXXXXX						0 days	0 hrs	
212	modify septa platform	Mon 5/16/11	Mon 5/16/11	SOT		N				0 days	0 hrs	
213	install 3rd coil set in septum magnet	Mon 5/16/11	Mon 5/16/11	SOT		N				0 days	0 hrs	
214	pre assemble align target support on septa platform	Mon 5/16/11	Mon 5/16/11	SOT		N				0 days	0 hrs	
215												
216	cryo work	Mon 5/16/11	Fri 9/16/11	XXXXXX						86.5 days?	556 hrs	
217	warm up both spectrometers	Mon 5/16/11	Fri 5/20/11	SOT		N				5 days?	80 hrs	H-A MECH TECH,Fansler
218	pump all magnets	Tue 5/23/11	Mon 6/6/11	SOT		N				5 days?	80 hrs	Fansler,H-A MECH TECH
219	pump all cryo lines	Mon 6/13/11	Fri 6/17/11	SOT		N				5 days?	80 hrs	Fansler,H-A MECH TECH
220	replace Q1 JT valve heads with JLab valves	Mon 6/27/11	Fri 7/1/11	SOT		N				5 days?	80 hrs	Fansler,H-A MECH TECH
221	replace dipole LN2 probes	Tue 7/5/11	Tue 7/5/11	SOT		N				1 day?	16 hrs	Fansler,H-A MECH TECH
222	replace magnet pressure gauges	Thu 7/7/11	Mon 7/11/11	SOT		N				2.5 days?	40 hrs	Fansler,H-A MECH TECH
223	repair left Q1 leads	Thu 7/14/11	Wed 7/20/11	SOT		N				5 days?	80 hrs	Fansler,H-A MECH TECH
224	replace left Q1 vacuum seals	Thu 7/28/11	Tue 8/2/11	SOT		N				3.75 days?	60 hrs	Fansler,H-A MECH TECH
225	replace all Q1 110 vac plugs due to radiation damage	Thu 8/4/11	Mon 8/8/11	SOT		N				2.5 days?	40 hrs	Fansler,H-A MECH TECH
226	calibrate Ln2 ll probes	Mon 8/15/11	Wed 8/17/11	SOT		N				2.5 days?	0 hrs	
227	Calibrate weha valves	Mon 8/29/11	Fri 9/2/11	SOT		N				5 days?	0 hrs	
228	repair dipole He LL probe	Mon 9/12/11	Fri 9/16/11	SOT		N				4.5 days?	0 hrs	
229												
230	Detector work	Mon 6/6/11	Fri 7/29/11	XXXXXX						39 days?	304 hrs	
231	roll out left detector	Mon 6/6/11	Mon 6/6/11	SOT		N				1 day?	16 hrs	Segal,H-A MECH TECH
232	pull out SRC detectors	Mon 6/13/11	Tue 6/14/11	SOT		N				2 days?	32 hrs	Segal,H-A MECH TECH
233	install G2P detectors	Mon 6/20/11	Fri 6/24/11	SOT		N				5 days?	80 hrs	Segal,H-A MECH TECH
234	roll in left detector	Mon 6/27/11	Mon 6/27/11	SOT		N				1 day?	16 hrs	Segal,H-A MECH TECH
235	clear balcony and close doors	Wed 6/29/11	Wed 6/29/11	SOT		N				1 day?	16 hrs	Segal,H-A MECH TECH
236												
237	roll out right detector	Tue 7/5/11	Tue 7/5/11	SOT		N				1 day?	16 hrs	Segal,H-A MECH TECH
238	pull out SRC detectors	Mon 7/11/11	Tue 7/12/11	SOT		N				2 days?	32 hrs	Segal,H-A MECH TECH
239	install G2P detectors	Mon 7/18/11	Thu 7/21/11	SOT		N				4 days?	64 hrs	Segal,H-A MECH TECH
240	roll in left detector	Mon 7/25/11	Mon 7/25/11	SOT		N				1 day?	16 hrs	Segal,H-A MECH TECH
241	clear balcony and close doors	Fri 7/29/11	Fri 7/29/11	SOT		N				1 day?	16 hrs	Segal,H-A MECH TECH
242												
243	remove target	Mon 5/16/11	Thu 7/7/11	XXXXXX						37 days?	600 hrs	
244	warm up target	Mon 5/16/11	Thu 5/19/11	SOT		N				4 days?	32 hrs	TARGET GROUP TECH
245	Radcon support	Fri 5/20/11	Fri 5/20/11	SOT		N				1 day?	8 hrs	RADCON TECH
246	bleed up chamber	Fri 5/20/11	Fri 5/20/11	SOT		N				1 day?	8 hrs	H-A MECH TECH





Task Name	Start	Finish	Risk code pre THA	Task Hazard Analysis	Risk code post THA	Atis	HA list	Hot Work	TOSP, RWP, Lift plan	Duration	Work	Resource Names
370 hot check out checklist	Thu 11/10/11	Thu 11/10/11	SOT							1 day?	8 hrs	H-A MECH TECH
371 restore beam	Tue 11/15/11	Tue 11/15/11	SOT							1 day?	0 hrs	
372 final checklist	Thu 11/17/11	Thu 11/17/11	SOT							1 day?	8 hrs	H-A MECH TECH
373 run beam	Fri 11/18/11	Fri 11/18/11	OPS							0 days?	0 hrs	
374												
375 stuff to do	Mon 5/16/11	Wed 6/29/11	XXXXXX							32 days?	0 hrs	
376 grease bogies	Mon 6/27/11	Tue 6/28/11	SOT							2 days?	0 hrs	
377 grease central bearing	Wed 6/29/11	Wed 6/29/11	SOT							1 day?	0 hrs	
378 install water manifold on upper LCW	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
379 install water manifold on PS balconies	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
380 install new guards and heaters	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
381 complete BB rigid water lines	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
382 calibrate LL meters	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
383 warm up Q-1 magnets	Mon 5/16/11	Mon 5/16/11	SOT							1 day?	0 hrs	
384 de-sting Q-1 magnets	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
385 rework leads on left Q1	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
386 clean out cable trays	Mon 5/16/11	Mon 5/16/11	SOT							1 day?	0 hrs	
387 install manual flow meters on Q2/Q3	Mon 5/16/11	Mon 5/16/11	SOT							1 day?	0 hrs	
388 grease shield house doors	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
389 re-insulate warm return lines	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
390 repair leaks in exit beam pipe	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
391 install DP gauges on LCW system	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
392 install DP gauge on BB water system	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
393 new lead guards on Q2/Q3	Mon 5/16/11	Mon 5/16/11	SOT							1 day?	0 hrs	
394 new lead guards on Dipoles	Mon 5/16/11	Mon 5/16/11	SOT							1 day?	0 hrs	
395 new lead guards on Q1s	Mon 5/16/11	Mon 5/16/11	SOT							1 day?	0 hrs	
396 Lt Q1 power supply maintenance	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
397 Lt Q2 power supply maintenance	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
398 Lt Dipole power supply maintenance	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
399 Rt Q1 power supply maintenance	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
400 Rt Q2 power supply maintenance	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
401 Rt Dipole power supply maintenance	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
402 Rt Q3 power supply maintenance	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
403 repair right transfer line	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
404 replace left Q2 016 weka valve	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
405 remove maintenance jacks from both spectrometers	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
406 finish vacuum line extension on Rt Q3	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
407 visual inspection of exit BP diffuser	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
408 Upgrade/ reinforce BB support arm and extensions	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
409 Rework PHPK cryo cans for pivot distribution	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
410 modify and install stairs	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	
411 install local valve controller to exit beam pipe valve	Mon 5/16/11	Mon 5/16/11								1 day?	0 hrs	

