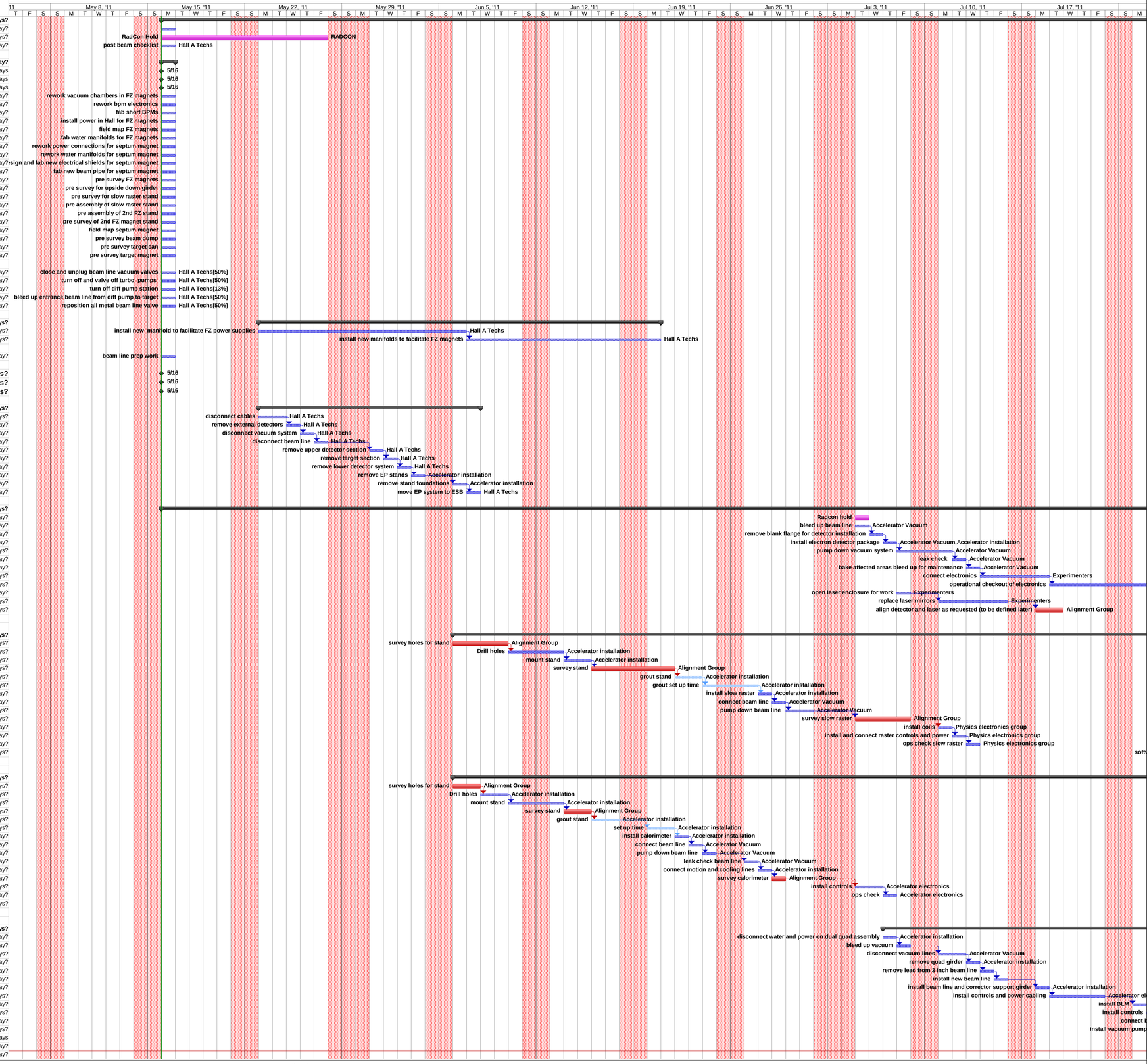
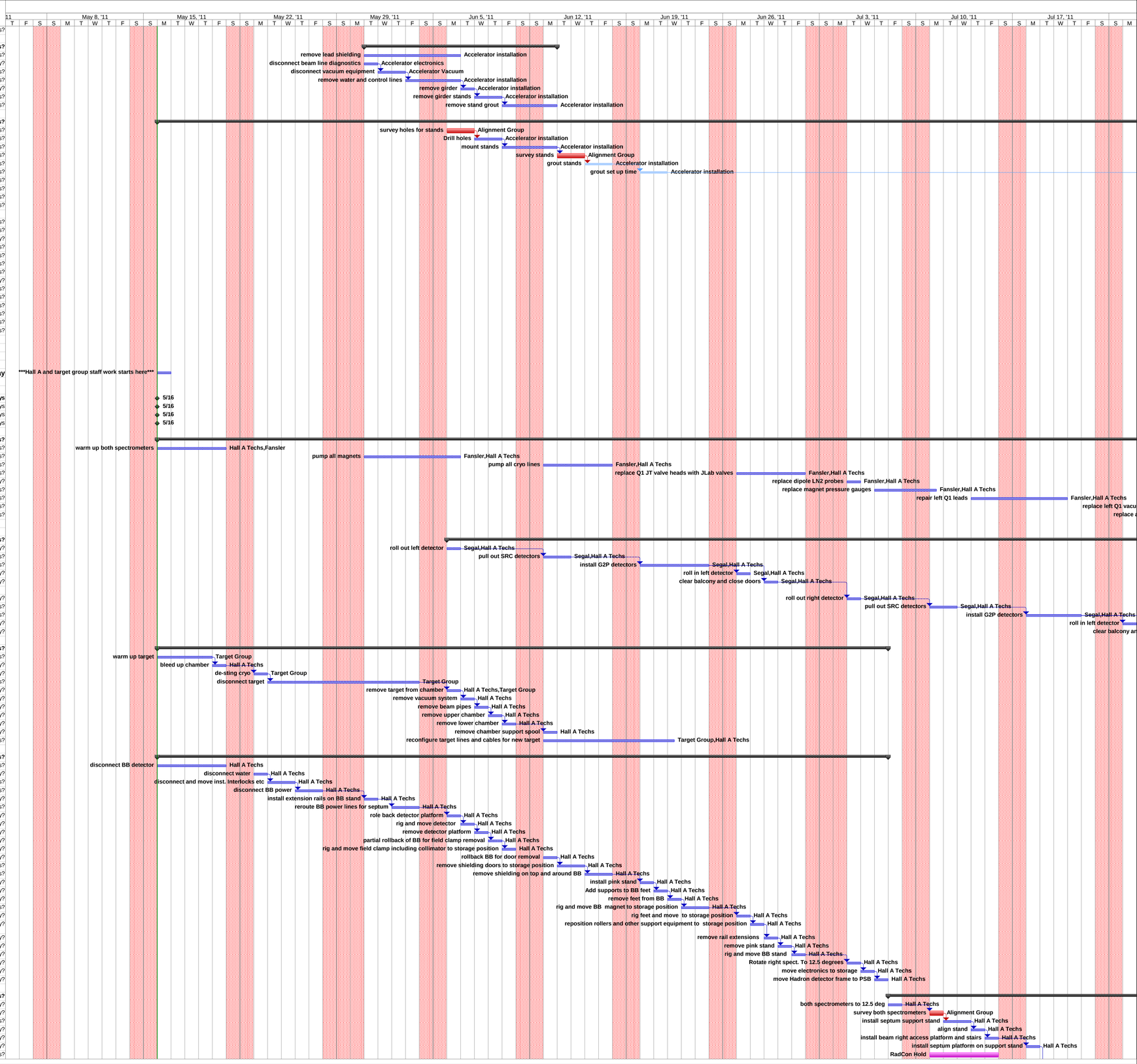
ID		Task Name	Start	Finish	Risk code pre THA	Task Hazard Analysis	Risk code post THA	Atlis	HA list	Hot Work	TOSP, RWP, Lift plan	Duration
1		**G2P installation**	**Mon 5/16/11**	**Mon 11/21/11**	**XXXXXX**							**132.5 days?**
2			Mon 5/16/11	Mon 5/16/11								1 day?
3		RadCon Hold	Mon 5/16/11	Fri 5/27/11	SOT							10 days?
4		post beam checklist	Mon 5/16/11	Mon 5/16/11	SOT							1 day?
5												
6		**beam line prep work**	**Mon 5/16/11**	**Mon 5/16/11**	**XXXXXX**							**1 day?**
7		QA raster, calorimeter and magnet stands	Mon 5/16/11	Mon 5/16/11	SOT							0 days
8		install vacuum chambers in magnets	Mon 5/16/11	Mon 5/16/11	SOT							0 days
9		install power for slow raster and calorimeter	Mon 5/16/11	Mon 5/16/11	SOT							0 days
10		rework vacuum chambers in FZ magnets	Mon 5/16/11	Mon 5/16/11								1 day?
11		rework bpm electronics	Mon 5/16/11	Mon 5/16/11								1 day?
12		fab short BPMs	Mon 5/16/11	Mon 5/16/11								1 day?
13		install power in Hall for FZ magnets	Mon 5/16/11	Mon 5/16/11								1 day?
14		field map FZ magnets	Mon 5/16/11	Mon 5/16/11								1 day?
15		fab water manifolds for FZ magnets	Mon 5/16/11	Mon 5/16/11								1 day?
16		rework power connections for septum magnet	Mon 5/16/11	Mon 5/16/11								1 day?
17		rework water manifolds for septum magnet	Mon 5/16/11	Mon 5/16/11								1 day?
18		design and fab new electrical shields for septum magnet	Mon 5/16/11	Mon 5/16/11								1 day?
19		fab new beam pipe for septum magnet	Mon 5/16/11	Mon 5/16/11								1 day?
20		pre survey FZ magnets	Mon 5/16/11	Mon 5/16/11								1 day?
21		pre survey for upside down girder	Mon 5/16/11	Mon 5/16/11								1 day?
22		pre survey for slow raster stand	Mon 5/16/11	Mon 5/16/11								1 day?
23		pre assembly of slow raster stand	Mon 5/16/11	Mon 5/16/11								1 day?
24		pre assembly of 2nd FZ stand	Mon 5/16/11	Mon 5/16/11								1 day?
25		pre survey of 2nd FZ magnet stand	Mon 5/16/11	Mon 5/16/11								1 day?
26		field map septum magnet	Mon 5/16/11	Mon 5/16/11								1 day?
27		pre survey beam dump	Mon 5/16/11	Mon 5/16/11								1 day?
28		pre survey target can	Mon 5/16/11	Mon 5/16/11								1 day?
29		pre survey target magnet	Mon 5/16/11	Mon 5/16/11								1 day?
30												
31		close and unplug beam line vacuum valves	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
32		turn off and valve off turbo pumps	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
33		turn off diff pump station	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
34		bleed up entrance beam line from diff pump to target	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
35		reposition all metal beam line valve	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
36												
37		**LCW work**	**Mon 5/23/11**	**Mon 6/20/11**	**XXXXXX**							**20 days?**
38		install new manifold to facilitate FZ power supplies	Mon 5/23/11	Mon 6/6/11	SOT			N				10 days?
39		install new manifolds to facilitate FZ magnets	Tue 6/7/11	Mon 6/20/11	SOT			N				10 days?
40												
41		beam line prep work	Mon 5/16/11	Mon 5/16/11								1 day?
42												
43		*****From here to line 116 is eng installation and electronics**	**Mon 5/16/...**	**Mon 5/16/...**	**XXXXXX**							**0 days?**
44		*****resources for this work needs to be assigned by*****	**Mon 5/16/...**	**Mon 5/16/...**	**XXXXXX**							**0 days?**
45		*****Neil Wilson, John Heckman, and electronics group*****	**Mon 5/16/...**	**Mon 5/16/...**	**XXXXXX**							**0 days?**
46												
47		**remove EP**	**Mon 5/23/11**	**Tue 6/7/11**								**11 days?**
48		disconnect cables	Mon 5/23/11	Tue 5/24/11	SOT			N				2 days?
49		remove external detectors	Wed 5/25/11	Wed 5/25/11	SOT			N				1 day?
50		disconnect vacuum system	Thu 5/26/11	Thu 5/26/11	SOT			N				1 day?
51		disconnect beam line	Fri 5/27/11	Fri 5/27/11	SOT			N				1 day?
52		remove upper detector section	Tue 5/31/11	Tue 5/31/11				N				1 day?
53		remove target section	Wed 6/1/11	Wed 6/1/11				N				1 day?
54		remove lower detector system	Thu 6/2/11	Thu 6/2/11				N				1 day?
55		remove EP stands	Fri 6/3/11	Fri 6/3/11								1 day?
56		remove stand foundations	Mon 6/6/11	Mon 6/6/11	SOT							1 day?
57		move EP system to ESB	Tue 6/7/11	Tue 6/7/11	SOT			N				1 day?
58												
59		**Compton maintenance**	**Mon 5/16/11**	**Mon 11/21/11**								**132.5 days?**
60		Radcon hold	Tue 7/5/11	Tue 7/5/11	SOT							1 day?
61		bleed up beam line	Tue 7/5/11	Tue 7/5/11	SOT							1 day?
62		remove blank flange for detector installation	Wed 7/6/11	Wed 7/6/11	SOT							1 day?
63		install electron detector package	Thu 7/7/11	Thu 7/7/11								1 day?
64		pump down vacuum system	Fri 7/8/11	Mon 7/11/11	SOT							2 days?
65		leak check	Tue 7/12/11	Tue 7/12/11	SOT							1 day?
66		bake affected areas bleed up for maintenance	Wed 7/13/11	Wed 7/13/11	SOT							1 day?
67		connect electronics	Thu 7/14/11	Mon 7/18/11	SOT			N				3 days?
68		operational checkout of electronics	Tue 7/19/11	Fri 7/29/11	SOT			N				9 days?
69		open laser enclosure for work	Fri 7/8/11	Fri 7/8/11				N				1 day?
70		replace laser mirrors	Mon 7/11/11	Fri 7/15/11				N				5 days?
71		align detector and laser as requested (to be defined later)	Mon 7/18/11	Tue 7/19/11								2 days?
72												
73												
74		**install slow raster**	**Mon 6/6/11**	**Wed 8/3/11**	**XXXXXX**							**42 days?**
75		survey holes for stand	Mon 6/6/11	Thu 6/9/11	SOT							4 days?
76		Drill holes	Fri 6/10/11	Mon 6/13/11	SOT							2 days?
77		mount stand	Tue 6/14/11	Wed 6/15/11								2 days?
78		survey stand	Thu 6/16/11	Tue 6/21/11	SOT							4 days?
79		grout stand	Wed 6/22/11	Thu 6/23/11	SOT							2 days?
80		grout set up time	Fri 6/24/11	Mon 6/27/11	SOT							2 days?
81		install slow raster	Tue 6/28/11	Tue 6/28/11								1 day?
82		connect beam line	Wed 6/29/11	Wed 6/29/11	SOT							1 day?
83		pump down beam line	Thu 6/30/11	Fri 7/1/11	SOT							2 days?
84		survey slow raster	Tue 7/5/11	Fri 7/8/11	SOT							4 days?
85		install coils	Mon 7/11/11	Mon 7/11/11	SOT			N				1 day?
86		install and connect raster controls and power	Tue 7/12/11	Tue 7/12/11	SOT			N				1 day?
87		ops check slow raster	Wed 7/13/11	Wed 7/13/11	SOT			N				1 day?
88		software checkout and ops check	Mon 8/1/11	Wed 8/3/11								3 days?
89												
90												
91		**install calorimeter**	**Mon 6/6/11**	**Fri 8/12/11**	**XXXXXX**							**49 days?**
92		survey holes for stand	Mon 6/6/11	Tue 6/7/11	SOT							2 days?
93		Drill holes	Wed 6/8/11	Thu 6/9/11	SOT							2 days?
94		mount stand	Fri 6/10/11	Mon 6/13/11								2 days?
95		survey stand	Tue 6/14/11	Wed 6/15/11	SOT							2 days?
96		grout stand	Thu 6/16/11	Fri 6/17/11	SOT							2 days?
97		set up time	Mon 6/20/11	Tue 6/21/11	SOT							2 days?
98		install calorimeter	Wed 6/22/11	Wed 6/22/11								1 day?
99		connect beam line	Thu 6/23/11	Thu 6/23/11								1 day?
100		pump down beam line	Fri 6/24/11	Fri 6/24/11								1 day?
101		leak check beam line	Mon 6/27/11	Mon 6/27/11	SOT							1 day?
102		connect motion and cooling lines	Tue 6/28/11	Tue 6/28/11								1 day?
103		survey calorimeter	Wed 6/29/11	Wed 6/29/11	SOT							1 day?
104		install controls	Tue 7/5/11	Wed 7/6/11								2 days?
105		ops check	Thu 7/7/11	Thu 7/7/11	SOT							1 day?
106		software checkout and ops check	Mon 8/8/11	Fri 8/12/11								5 days?
107												
108												
109		**remove dual quads & install corrector**	**Thu 7/7/11**	**Wed 8/10/11**	**XXXXXX**							**25 days?**
110		disconnect water and power on dual quad assembly	Thu 7/7/11	Thu 7/7/11	SOT							1 day?
111		bleed up vacuum	Fri 7/8/11	Fri 7/8/11	SOT							1 day?
112		disconnect vacuum lines	Mon 7/11/11	Tue 7/12/11	SOT							2 days?
113		remove quad girder	Wed 7/13/11	Wed 7/13/11								1 day?
114		remove lead from 3 inch beam line	Thu 7/14/11	Thu 7/14/11								1 day?
115		install new beam line	Fri 7/15/11	Fri 7/15/11								1 day?
116		install beam line and corrector support girder	Mon 7/18/11	Mon 7/18/11	SOT							1 day?
117		install controls and power cabling	Tue 7/19/11	Fri 7/22/11								4 days?
118		install BLM	Mon 7/25/11	Mon 7/25/11	SOT							1 day?
119		install controls	Tue 7/26/11	Wed 7/27/11								2 days?
120		connect beam line	Thu 7/28/11	Thu 7/28/11								1 day?
121		install vacuum pump and controls	Fri 7/29/11	Tue 8/2/11								3 days?
122		pump down and leak check girder	Wed 8/3/11	Thu 8/4/11								2 days
123		survey beam line	Fri 8/5/11	Fri 8/5/11								1 day?
124		reinstall lead removed for 3 inch beam pipe	Wed 8/10/11	Wed 8/10/11								1 day?



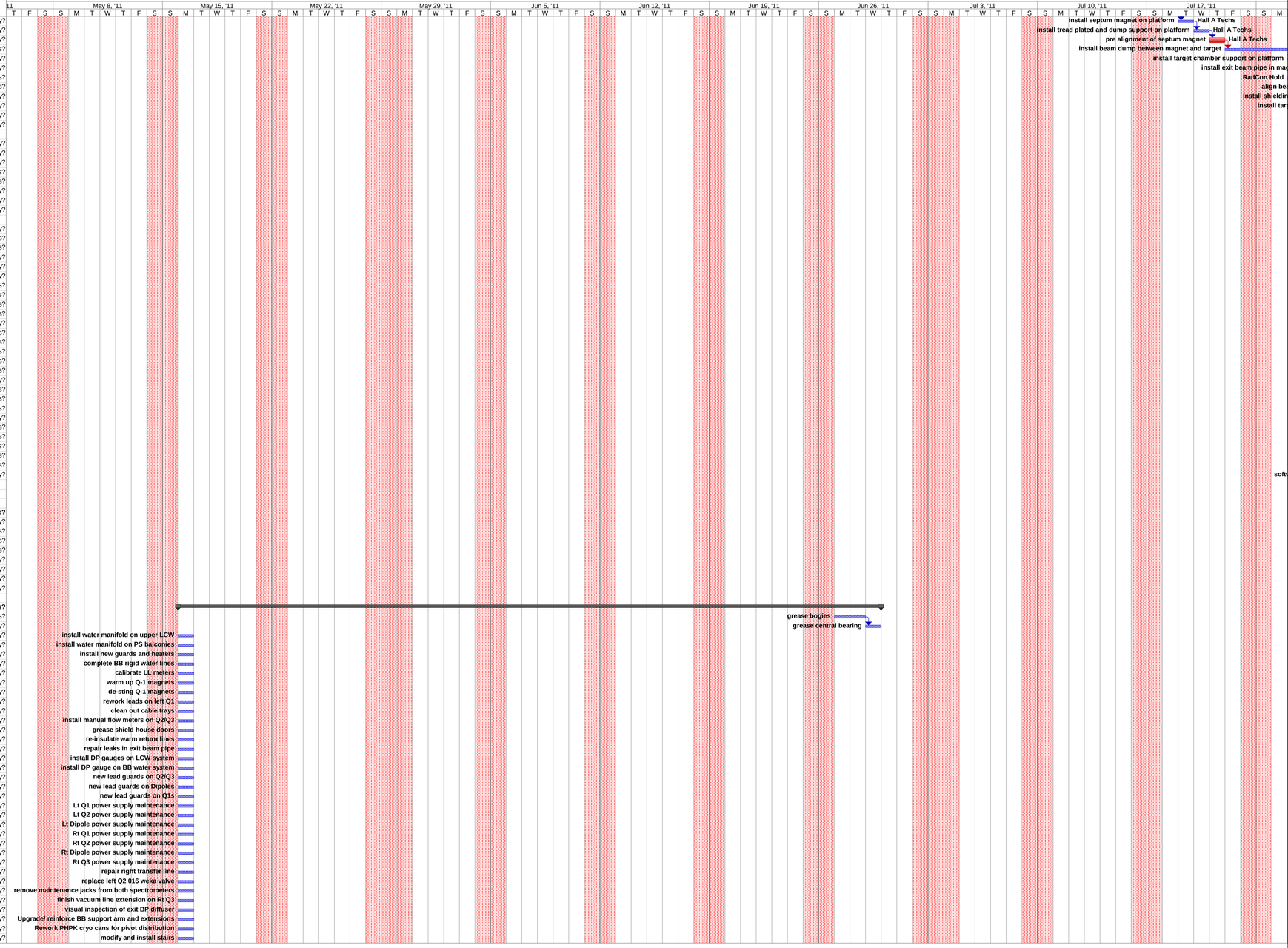
This schedule is managed by Ed Folts Ph # 7857 Tue 2/15/11

ID	Task Name	Start	Finish	Risk code pre THA	Task Hazard Analysis	Risk code post THA	Atlis	HA list	Hot Work	TOSP, RWP, Lift plan	Duration
125	ops check	Mon 8/8/11	Tue 8/9/11	SOT							1.5 days?
126											
127	**remove girder**	**Tue 5/31/11**	**Mon 6/13/11**	**XXXXXX**							**10 days?**
128	remove lead shielding	Tue 5/31/11	Mon 6/6/11								5 days?
129	disconnect beam line diagnostics	Tue 5/31/11	Tue 5/31/11								1 day?
130	disconnect vacuum equipment	Wed 6/1/11	Thu 6/2/11	SOT							2 days?
131	remove water and control lines	Fri 6/3/11	Mon 6/6/11	SOT							2 days?
132	remove girder	Tue 6/7/11	Tue 6/7/11								1 day?
133	remove girder stands	Wed 6/8/11	Thu 6/9/11								2 days?
134	remove stand grout	Fri 6/10/11	Mon 6/13/11								2 days?
135											
136	**install FZ magnets**	**Mon 5/16/11**	**Fri 11/4/11**	**XXXXXX**							**122 days?**
137	survey holes for stands	Mon 6/6/11	Tue 6/7/11	SOT							2 days?
138	Drill holes	Wed 6/8/11	Thu 6/9/11	SOT							2 days?
139	mount stands	Fri 6/10/11	Mon 6/13/11								2 days?
140	survey stands	Tue 6/14/11	Wed 6/15/11	SOT							2 days?
141	grout stands	Thu 6/16/11	Fri 6/17/11	SOT							2 days?
142	grout set up time	Mon 6/20/11	Tue 6/21/11	SOT							2 days?
143	install cable tray	Wed 8/3/11	Fri 8/5/11				N				3 days?
144	run magnet power cables	Mon 8/8/11	Tue 8/9/11				N				2 days?
145	run instrumentation cables	Wed 8/10/11	Thu 8/11/11								2 days?
146	connect AC power to power supplies	Fri 8/12/11	Mon 8/15/11	SOT							2 days?
147											
148	install FZ magnets	Tue 8/16/11	Mon 8/29/11								10 days?
149	survey FZ magnets	Tue 8/30/11	Fri 9/2/11								4 days?
150	install and connect DC power to magnets	Tue 9/6/11	Tue 9/6/11								1 day?
151	ops check magnets	Wed 9/7/11	Tue 9/13/11								5 days?
152	install FZ beam line supports	Wed 9/14/11	Fri 9/16/11								3 days?
153	install beam lines and beam diagnostics	Mon 9/19/11	Fri 9/23/11	SOT							5 days?
154	install vacuum system	Mon 9/26/11	Fri 9/30/11	SOT							5 days?
155	reposition all metal valve	Mon 10/3/11	Mon 10/3/11	SOT							1 day?
156	install instrumentation	Tue 10/4/11	Fri 10/7/11	SOT							4 days?
157	pump down beam line	Mon 10/10/11	Tue 10/11/11	SOT							2 days?
158	leak check beam lines	Wed 10/12/11	Thu 10/13/11	SOT							2 days?
159	survey beam lines	Fri 10/14/11	Tue 10/18/11	SOT							3 days?
160	ops check	Wed 10/19/11	Fri 10/21/11	SOT							3 days?
161	software checkout and ops check	Mon 10/31/11	Fri 11/4/11								5 days?
162											
163											
164											
165											
166	*****Hall A and target group staff work starts here*****	**Mon 5/16/...**	**Mon 5/16/...**	**XXXXXX**							**1 day**
167											
168											
169	**target / septa prep work**	**Mon 5/16/11**	**Mon 5/16/11**	**XXXXXX**							**0 days**
170	modify septa platform	Mon 5/16/11	Mon 5/16/11	SOT			N				0 days
171	install 3rd coil set in septum magnet	Mon 5/16/11	Mon 5/16/11	SOT			N				0 days
172	pre assemble align target support on septa platform	Mon 5/16/11	Mon 5/16/11	SOT			N				0 days
173											
174	**cryo work**	**Mon 5/16/11**	**Mon 8/8/11**	**XXXXXX**							**58.5 days?**
175	warm up both spectrometers	Mon 5/16/11	Fri 5/20/11	SOT			N				5 days?
176	pump all magnets	Tue 5/31/11	Mon 6/6/11	SOT			N				5 days?
177	pump all cryo lines	Mon 6/13/11	Fri 6/17/11				N				5 days?
178	replace Q1 JT valve heads with JLab valves	Mon 6/27/11	Fri 7/1/11	SOT			N				5 days?
179	replace dipole LN2 probes	Tue 7/5/11	Tue 7/5/11	SOT			N				1 day?
180	replace magnet pressure gauges	Thu 7/7/11	Mon 7/11/11	SOT			N				2.5 days?
181	repair left Q1 leads	Thu 7/14/11	Wed 7/20/11	SOT			N				5 days?
182	replace left Q1 vacuum seals	Thu 7/28/11	Tue 8/2/11	SOT			N				3.75 days?
183	replace all Q1 110 vac plugs due to radiation damage	Thu 8/4/11	Mon 8/8/11	SOT			N				2.5 days?
184											
185											
186	**Detector work**	**Mon 6/6/11**	**Fri 7/29/11**	**XXXXXX**							**39 days?**
187	roll out left detector	Mon 6/6/11	Mon 6/6/11	SOT			N				1 day?
188	pull out SRC detectors	Mon 6/13/11	Tue 6/14/11				N				2 days?
189	install G2P detectors	Mon 6/20/11	Fri 6/24/11				N				5 days?
190	roll in left detector	Mon 6/27/11	Mon 6/27/11	SOT			N				1 day?
191	clear balcony and close doors	Wed 6/29/11	Wed 6/29/11				N				1 day?
192											
193	roll out right detector	Tue 7/5/11	Tue 7/5/11	SOT			N				1 day?
194	pull out SRC detectors	Mon 7/11/11	Tue 7/12/11				N				2 days?
195	install G2P detectors	Mon 7/18/11	Thu 7/21/11				N				4 days?
196	roll in left detector	Mon 7/25/11	Mon 7/25/11	SOT			N				1 day?
197	clear balcony and close doors	Fri 7/29/11	Fri 7/29/11				N				1 day?
198											
199	**remove target**	**Mon 5/16/11**	**Thu 7/7/11**	**XXXXXX**							**37 days?**
200	warm up target	Mon 5/16/11	Thu 5/19/11	SOT			N				4 days?
201	bleed up chamber	Fri 5/20/11	Fri 5/20/11	SOT			N				1 day?
202	de-sting cryo	Mon 5/23/11	Mon 5/23/11				N				1 day?
203	disconnect target	Tue 5/24/11	Fri 6/3/11	SOT			N				8 days?
204	remove target from chamber	Mon 6/6/11	Mon 6/6/11				N				1 day?
205	remove vacuum system	Tue 6/7/11	Tue 6/7/11	SOT			N				1 day?
206	remove beam pipes	Wed 6/8/11	Wed 6/8/11	SOT			N				1 day?
207	remove upper chamber	Thu 6/9/11	Thu 6/9/11				N				1 day?
208	remove lower chamber	Fri 6/10/11	Fri 6/10/11				N				1 day?
209	remove chamber support spool	Mon 6/13/11	Mon 6/13/11				N				1 day?
210	reconfigure target lines and cables for new target	Mon 6/13/11	Wed 6/22/11	SOT			N				7.5 days?
211											
212	**remove Big Bite**	**Mon 5/16/11**	**Thu 7/7/11**	**XXXXXX**							**37 days?**
213	disconnect BB detector	Mon 5/16/11	Fri 5/20/11	SOT			N				5 days?
214	disconnect water	Mon 5/23/11	Mon 5/23/11	SOT			N				1 day?
215	disconnect and move inst. Interlocks etc	Tue 5/24/11	Wed 5/25/11	SOT			N				2 days?
216	disconnect BB power	Thu 5/26/11	Fri 5/27/11	SOT			N				2 days?
217	install extension rails on BB stand	Tue 5/31/11	Tue 5/31/11				N				1 day?
218	reroute BB power lines for septum	Thu 6/2/11	Fri 6/3/11				N				2 days?
219	role back detector platform	Mon 6/6/11	Mon 6/6/11	SOT			N				1 day?
220	rig and move detector	Tue 6/7/11	Tue 6/7/11				N				1 day?
221	remove detector platform	Wed 6/8/11	Wed 6/8/11				N				1 day?
222	partial rollback of BB for field clamp removal	Thu 6/9/11	Thu 6/9/11	SOT							1 day?
223	rig and move field clamp including collimator to storage position	Fri 6/10/11	Fri 6/10/11				N				1 day?
224	rollback BB for door removal	Mon 6/13/11	Mon 6/13/11	SOT			N				1 day?
225	remove shielding doors to storage position	Tue 6/14/11	Wed 6/15/11				N				2 days?
226	remove shielding on top and around BB	Thu 6/16/11	Fri 6/17/11				N				2 days?
227	install pink stand	Mon 6/20/11	Mon 6/20/11				N				1 day?
228	Add supports to BB feet	Tue 6/21/11	Tue 6/21/11	SOT			N				1 day?
229	remove feet from BB	Wed 6/22/11	Wed 6/22/11				N				1 day?
230	rig and move BB magnet to storage position	Thu 6/23/11	Fri 6/24/11				N				2 days?
231	rig feet and move to storage position	Mon 6/27/11	Mon 6/27/11				N				1 day?
232	reposition rollers and other support equipment to storage position	Tue 6/28/11	Tue 6/28/11				N				1 day?
233	remove rail extensions	Wed 6/29/11	Wed 6/29/11				N				1 day?
234	remove pink stand	Thu 6/30/11	Thu 6/30/11				N				1 day?
235	rig and move BB stand	Fri 7/1/11	Fri 7/1/11				N				1 day?
236	Rotate right spect. To 12.5 degrees	Tue 7/5/11	Tue 7/5/11	SOT			N				1 day?
237	move electronics to storage	Wed 7/6/11	Wed 7/6/11				N				1 day?
238	move Hadron detector frame to PSB	Thu 7/7/11	Thu 7/7/11				N				1 day?
239											
240	**install septum and target**	**Fri 7/8/11**	**Mon 11/21/11**	**XXXXXX**							**95.5 days?**
241	both spectrometers to 12.5 deg	Fri 7/8/11	Fri 7/8/11	SOT			N				1 day?
242	survey both spectrometers	Mon 7/11/11	Mon 7/11/11	SOT							1 day?
243	install septum support stand	Tue 7/12/11	Wed 7/13/11				N				2 days?
244	align stand	Thu 7/14/11	Thu 7/14/11	SOT			N				1 day?
245	install beam right access platform and stairs	Fri 7/15/11	Fri 7/15/11				N				1 day?
246	install septum platform on support stand	Mon 7/18/11	Mon 7/18/11				N				1 day?
247	RadCon Hold	Mon 7/11/11	Fri 7/15/11	SOT			N				5 days?



This schedule is managed by Ed Folts Ph # 7857 Tue 2/15/11

ID		Task Name	Start	Finish	Risk code pre THA	Task Hazard Analysis	Risk code post THA	Atlis	HA list	Hot Work	TOSP, RWP, Lift plan	Duration
248		install septum magnet on platform	Tue 7/19/11	Tue 7/19/11				N				1 day?
249		install tread plated and dump support on platform	Wed 7/20/11	Wed 7/20/11				N				1 day?
250		pre alignment of septum magnet	Thu 7/21/11	Thu 7/21/11	SOT							1 day?
251		install beam dump between magnet and target	Fri 7/22/11	Mon 7/25/11				N				2 days?
252		install target chamber support on platform	Tue 7/26/11	Tue 7/26/11				N				1 day?
253		install exit beam pipe in magnet	Wed 7/27/11	Wed 7/27/11	SOT			N				1 day?
254		RadCon Hold	Tue 7/26/11	Thu 7/28/11	SOT			N				3 days?
255		align beam dump	Thu 7/28/11	Fri 7/29/11								2 days?
256		install shielding between target and magnet	Mon 8/1/11	Mon 8/1/11				N				1 day?
257		install target chamber into chamber support	Tue 8/2/11	Tue 8/2/11				N				1 day?
258		install magnet into chamber	Wed 8/3/11	Wed 8/3/11				N				1 day?
259		test magnet rotation system	Thu 8/4/11	Thu 8/4/11	SOT			N				1 day?
260												
261		install refrigerator pump on upper target balcony	Fri 8/5/11	Fri 8/5/11				N				1 day?
262		roll septum/target platform into position	Mon 8/8/11	Mon 8/8/11				N				1 day?
263		lower and position septum platform	Tue 8/9/11	Tue 8/9/11				N				1 day?
264		align septum magnet	Wed 8/10/11	Thu 8/11/11	SOT							2 days?
265		align target chamber	Fri 8/12/11	Mon 8/15/11	SOT							2 days?
266		align magnet in chamber	Tue 8/16/11	Tue 8/16/11	SOT							1 day?
267		install catwalk on right access platform	Wed 8/17/11	Wed 8/17/11				N				1 day?
268		install upper platform stairs	Thu 8/18/11	Thu 8/18/11				N				1 day?
269												
270		install target dewar and stand	Fri 8/19/11	Fri 8/19/11				N				1 day?
271		connect dewar controls	Mon 8/22/11	Tue 8/23/11				N				2 days?
272		install dewar U tubes and return lines	Wed 8/24/11	Thu 8/25/11				N				2 days?
273		install beam lines	Fri 8/26/11	Fri 8/26/11	SOT			N				1 day?
274		align beam lines	Mon 8/29/11	Mon 8/29/11	SOT							1 day?
275		install Helium bags	Tue 8/30/11	Tue 8/30/11	SOT			N				1 day?
276		install target vacuum pump power	Wed 8/31/11	Fri 9/2/11				N				3 days?
277		install target vacuum pump plumbing	Tue 9/6/11	Fri 9/9/11				N				4 days?
278		install target vacuum system instr. and controls	Mon 9/12/11	Fri 9/16/11	SOT			N				5 days?
279		connect chamber vacuum system	Mon 9/19/11	Tue 9/20/11				N				2 days?
280		leak check and ops check target vacuum system	Wed 9/21/11	Wed 9/21/11	SOT			N				1 day?
281		install target	Thu 9/22/11	Fri 9/23/11				N				2 days?
282		align target	Mon 9/26/11	Wed 9/28/11	SOT							3 days?
283		install target and refrig. Inst, and controls	Thu 9/29/11	Wed 10/5/11	SOT			N				5 days?
284		connect target vacuum system	Thu 10/6/11	Wed 10/12/11				N				5 days?
285		leak check target vacuum system	Thu 10/13/11	Fri 10/14/11	SOT			N				2 days?
286		install target chamber windows	Mon 10/17/11	Mon 10/17/11				N				1 day?
287		pump down chamber	Tue 10/18/11	Wed 10/19/11	SOT			N				2 days?
288		leak check chamber	Thu 10/20/11	Thu 10/20/11	SOT			N				0.5 days?
289		insert target refrigerator	Thu 10/20/11	Thu 10/27/11				N				5 days?
290		sting dewar to refrig and refrig to target	Thu 10/27/11	Fri 10/28/11				N				1 day?
291		pump and purge target cryo system	Fri 10/28/11	Tue 11/1/11	SOT			N				2 days?
292		fill dewar	Tue 11/1/11	Fri 11/4/11	SOT			N				3 days?
293		cool down target cryo system	Fri 11/4/11	Tue 11/8/11	SOT			N				2 days?
294		test target refrigerator	Tue 11/8/11	Tue 11/15/11	SOT			N				5 days?
295		ops check target system	Tue 11/15/11	Mon 11/21/11	SOT			N				4 days?
296		software checkout and ops check	Mon 8/1/11	Mon 8/1/11								1 day?
297												
298												
299												
300		**end stuff**	**Mon 10/31/11**	**Fri 11/18/11**	**XXXXXX**							**15 days?**
301		inspect beam dump as requested by RADCON	Mon 10/31/11	Mon 10/31/11								1 day?
302		final removal	Mon 10/31/11	Fri 11/11/11	SOT			N				10 days?
303		start power supplies	Mon 11/7/11	Tue 11/8/11	SOT			N				2 days?
304		cleanup	Mon 11/7/11	Fri 11/18/11	SOT			N				10 days?
305		hot check out checklist	Thu 11/10/11	Thu 11/10/11	SOT			N				1 day?
306		restore beam	Fri 11/11/11	Fri 11/11/11	SOT			N				1 day?
307		final checklist	Wed 11/16/11	Wed 11/16/11	SOT			N				1 day?
308		run beam	Fri 11/18/11	Fri 11/18/11	OPS			N				1 day?
309												
310		**stuff to do**	**Mon 5/16/11**	**Wed 6/29/11**	**XXXXXX**							**32 days?**
311		grease bogies	Mon 6/27/11	Tue 6/28/11	SOT			N				2 days?
312		grease central bearing	Wed 6/29/11	Wed 6/29/11	SOT			N				1 day?
313		install water manifold on upper LCW	Mon 5/16/11	Mon 5/16/11				N				1 day?
314		install water manifold on PS balconies	Mon 5/16/11	Mon 5/16/11				N				1 day?
315		install new guards and heaters	Mon 5/16/11	Mon 5/16/11				N				1 day?
316		complete BB rigid water lines	Mon 5/16/11	Mon 5/16/11				N				1 day?
317		calibrate LL meters	Mon 5/16/11	Mon 5/16/11				N				1 day?
318		warm up Q-1 magnets	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
319		de-sting Q-1 magnets	Mon 5/16/11	Mon 5/16/11				N				1 day?
320		rework leads on left Q1	Mon 5/16/11	Mon 5/16/11				N				1 day?
321		clean out cable trays	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
322		install manual flow meters on Q2/Q3	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
323		grease shield house doors	Mon 5/16/11	Mon 5/16/11				N				1 day?
324		re-insulate warm return lines	Mon 5/16/11	Mon 5/16/11				N				1 day?
325		repair leaks in exit beam pipe	Mon 5/16/11	Mon 5/16/11				N				1 day?
326		install DP gauges on LCW system	Mon 5/16/11	Mon 5/16/11				N				1 day?
327		install DP gauge on BB water system	Mon 5/16/11	Mon 5/16/11				N				1 day?
328		new lead guards on Q2/Q3	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
329		new lead guards on Dipoles	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
330		new lead guards on Q1s	Mon 5/16/11	Mon 5/16/11	SOT			N				1 day?
331		Lt Q1 power supply maintenance	Mon 5/16/11	Mon 5/16/11				N				1 day?
332		Lt Q2 power supply maintenance	Mon 5/16/11	Mon 5/16/11				N				1 day?
333		Lt Dipole power supply maintenance	Mon 5/16/11	Mon 5/16/11				N				1 day?
334		Rt Q1 power supply maintenance	Mon 5/16/11	Mon 5/16/11				N				1 day?
335		Rt Q2 power supply maintenance	Mon 5/16/11	Mon 5/16/11				N				1 day?
336		Rt Dipole power supply maintenance	Mon 5/16/11	Mon 5/16/11				N				1 day?
337		Rt Q3 power supply maintenance	Mon 5/16/11	Mon 5/16/11				N				1 day?
338		repair right transfer line	Mon 5/16/11	Mon 5/16/11				N				1 day?
339		replace left Q2 016 weka valve	Mon 5/16/11	Mon 5/16/11				N				1 day?
340		remove maintenance jacks from both spectrometers	Mon 5/16/11	Mon 5/16/11				N				1 day?
341		finish vacuum line extension on Rt Q3	Mon 5/16/11	Mon 5/16/11				N				1 day?
342		visual inspection of exit BP diffuser	Mon 5/16/11	Mon 5/16/11				N				1 day?
343		Upgrade/ reinforce BB support arm and extensions	Mon 5/16/11	Mon 5/16/11				N				1 day?
344		Rework PHPK cryo cans for pivot distribution	Mon 5/16/11	Mon 5/16/11				N				1 day?
345		modify and install stairs	Mon 5/16/11	Mon 5/16/11				N				1 day?



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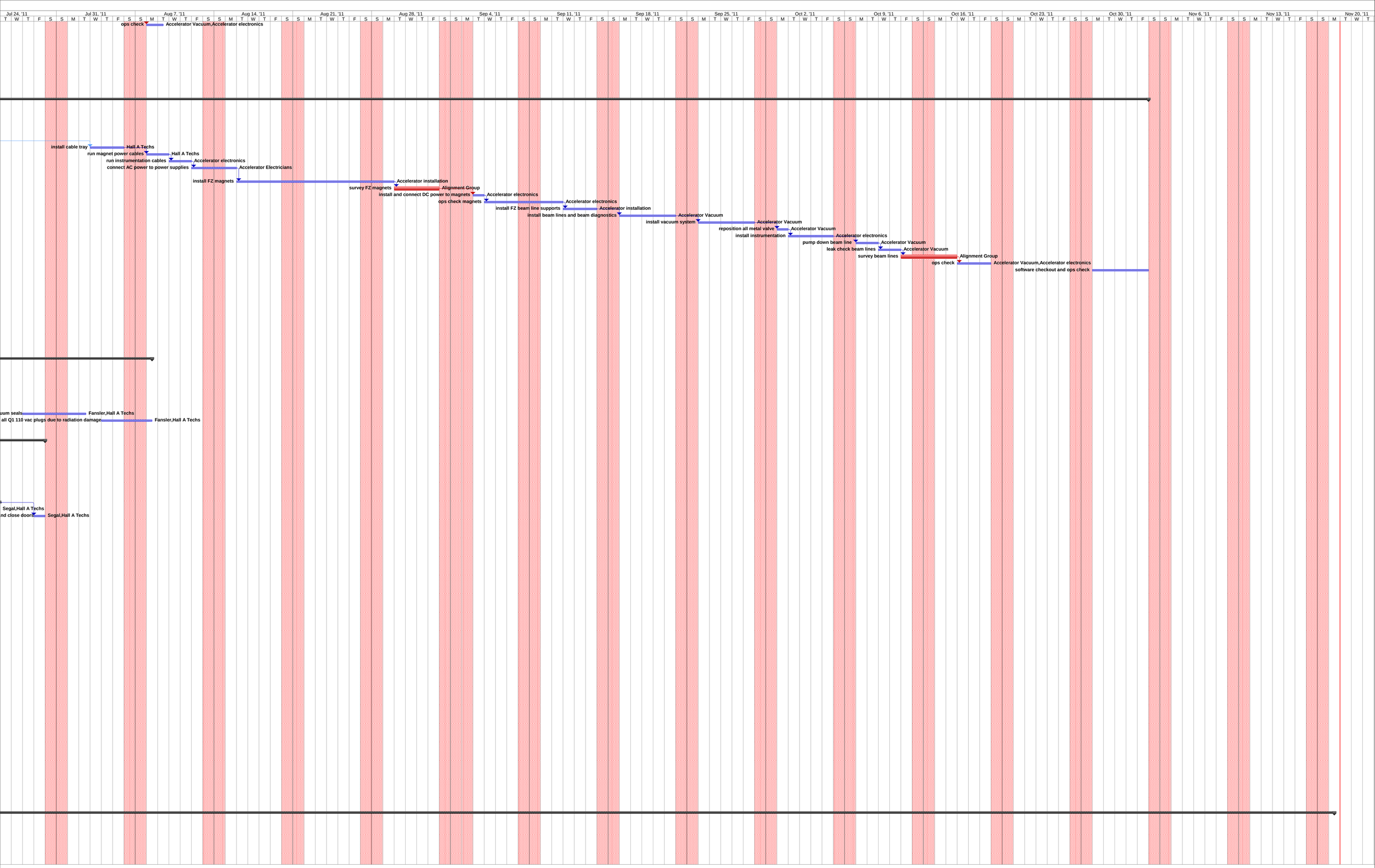

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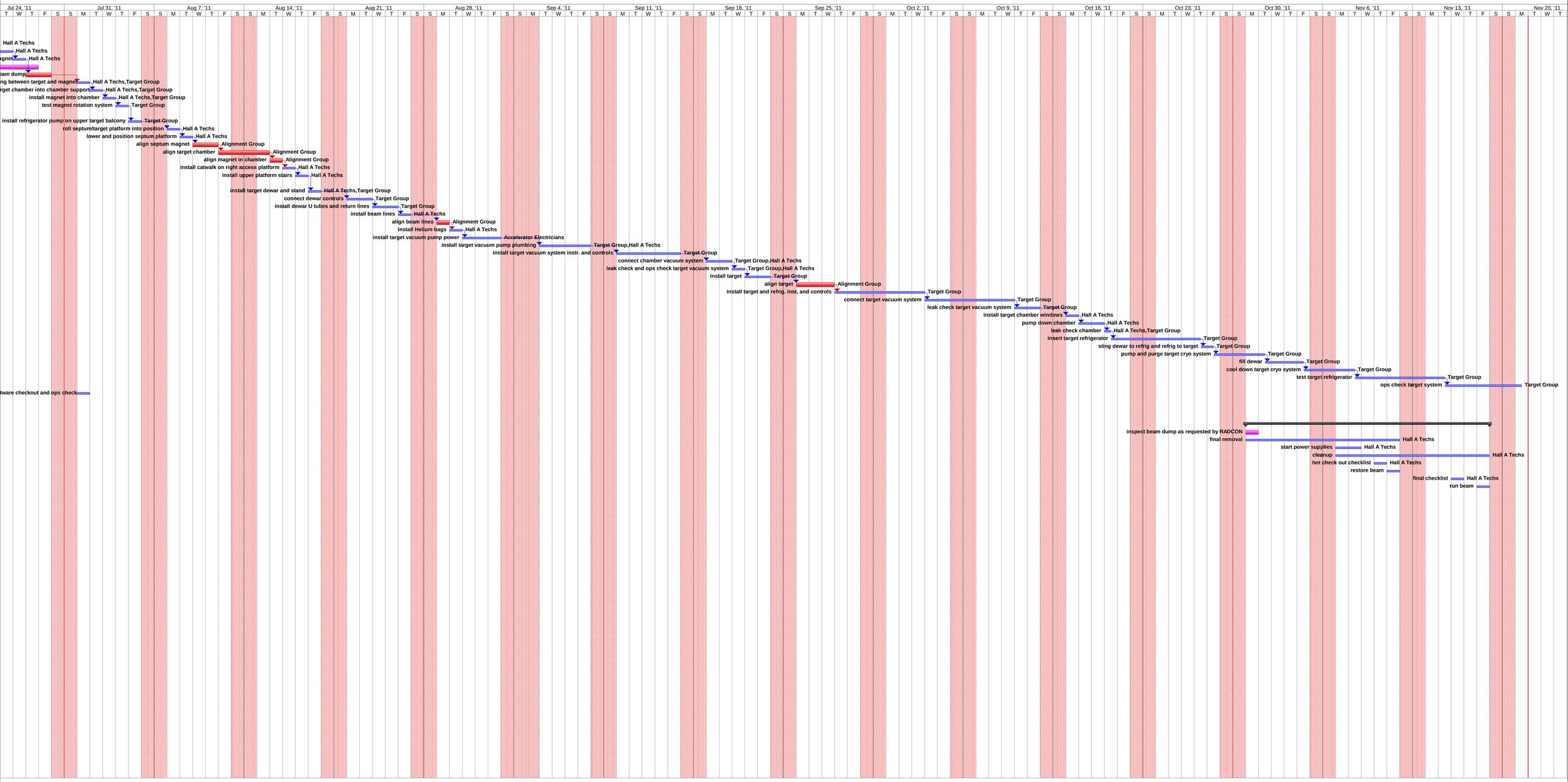
Jul 24, '11
Jul 31, '11
Aug 7, '11
Aug 14, '11
Aug 21, '11
Aug 28, '11
Sep 4, '11
Sep 11, '11
Sep 18, '11
Sep 25, '11
Oct 2, '11
Oct 9, '11
Oct 16, '11
Oct 23, '11
Oct 30, '11
Nov 6, '11
Nov 13, '11
Nov 20, '11
Hall A Techs
Hall A Techs
Hall A Techs
Hall A Techs,Target Group
Hall A Techs,Target Group
Hall A Techs,Target Group
Target Group
Target Group
Hall A Techs
Hall A Techs
Alignment Group
Alignment Group
Alignment Group
Hall A Techs
Hall A Techs
Hall A Techs,Target Group
Target Group
Target Group
Hall A Techs
Alignment Group
Hall A Techs
Accelerator Electricians
Target Group,Hall A Techs
Target Group
Target Group,Hall A Techs
Target Group,Hall A Techs
Target Group
Alignment Group
Target Group
Target Group
Target Group
Hall A Techs
Hall A Techs
Hall A Techs,Target Group
Target Group
Target Group