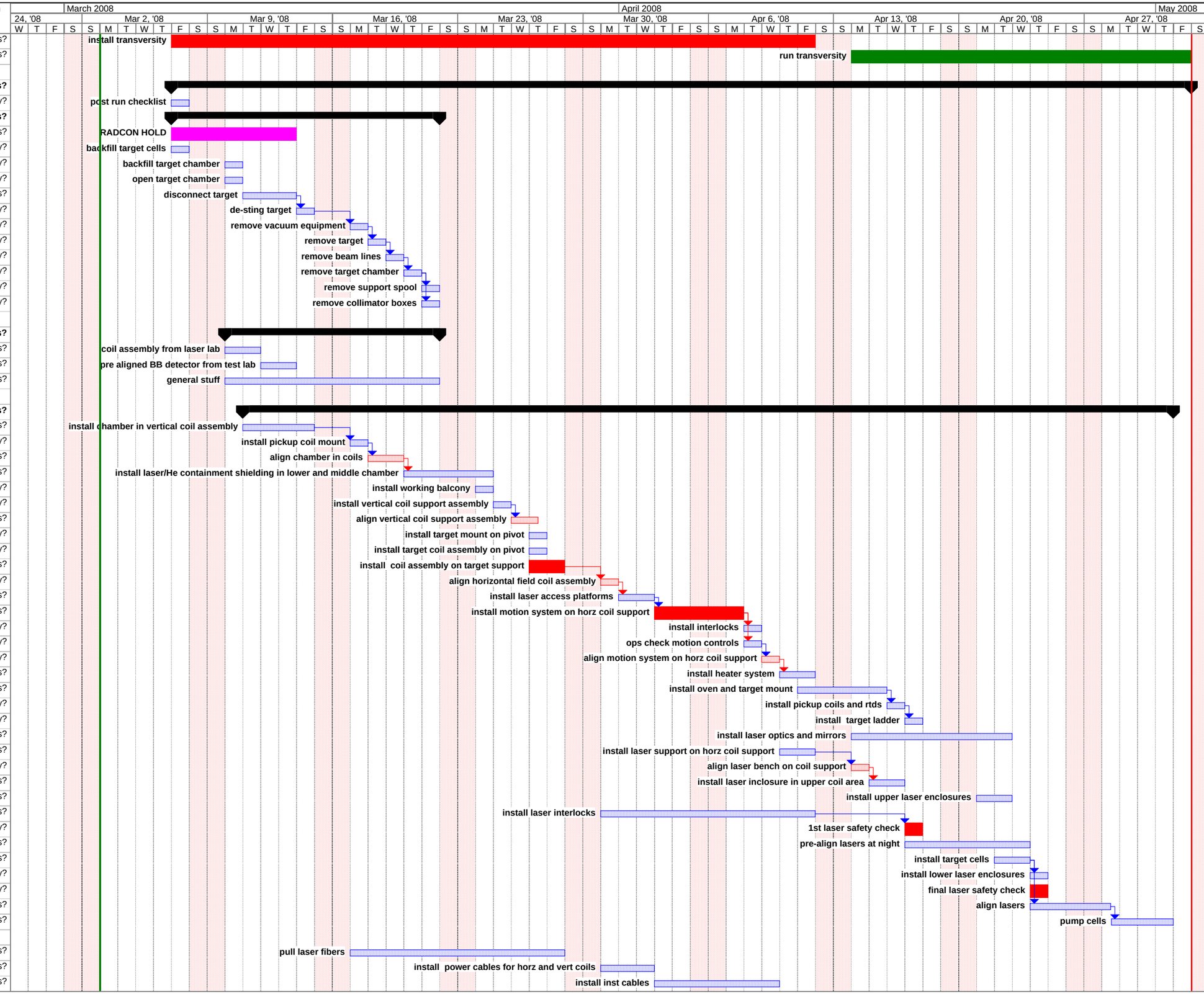
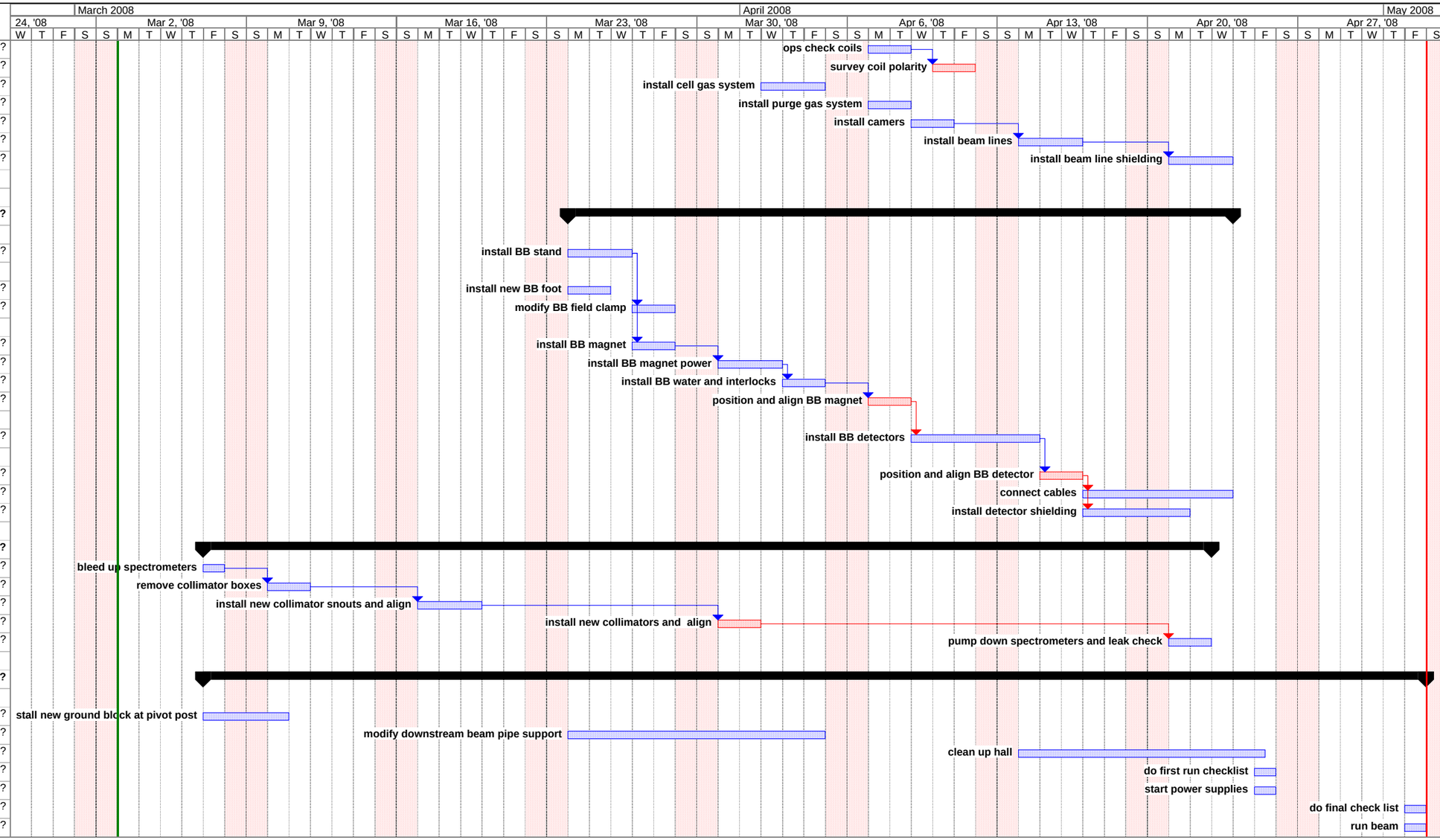
ID	Task Name	Duration
1	install transversity	26 days?
2	run transversity	15 days?
3		
4	**march 08 polarized He 3 installation**	**41 days?**
5	post run checklist	1 day?
6	**de-installation of running experiment**	**11 days?**
7	RADCON HOLD	5 days?
8	backfill target cells	1 day?
9	backfill target chamber	1 day?
10	open target chamber	1 day?
11	disconnect target	3 days?
12	de-sting target	1 day?
13	remove vacuum equipment	1 day?
14	remove target	1 day?
15	remove beam lines	1 day?
16	remove target chamber	1 day?
17	remove support spool	1 day?
18	remove collimator boxes	1 day?
19		
20	**move new equipment to the Hall**	**10 days?**
21	coil assembly from laser lab	2 days?
22	pre aligned BB detector from test lab	2 days?
23	general stuff	10 days?
24		
25	**install target**	**38 days?**
26	install chamber in vertical coil assembly	4 days?
27	install pickup coil mount	1 day?
28	align chamber in coils	2 days?
29	install laser/He containment shielding in lower and middle	3 days?
30	install working balcony	1 day?
31	install vertical coil support assembly	1 day?
32	align vertical coil support assembly	1.5 days?
33	install target mount on pivot	1 day?
34	install target coil assembly on pivot	1 day?
35	install coil assembly on target support	2 days?
36	align horizontal field coil assembly	1 day?
37	install laser access platforms	2 days?
38	install motion system on horz coil support	3 days?
39	install interlocks	1 day?
40	ops check motion controls	1 day?
41	align motion system on horz coil support	1 day?
42	install heater system	2 days?
43	install oven and target mount	3 days?
44	install pickup coils and rtds	1 day?
45	install target ladder	1 day?
46	install laser optics and mirrors	7 days?
47	install laser support on horz coil support	2 days?
48	align laser bench on coil support	1 day?
49	install laser inclosure in upper coil area	2 days?
50	install upper laser enclosures	2 days?
51	install laser interlocks	10 days?
52	1st laser safety check	1 day?
53	pre-align lasers at night	5 days?
54	install target cells	2 days?
55	install lower laser enclosures	1 day?
56	final laser safety check	1 day?
57	align lasers	2.5 days?
58	pump cells	3.5 days?
59		
60	pull laser fibers	10 days?
61	install power cables for horz and vert coils	3 days?
62	install inst cables	5 days?



ID	Task Name	Duration
63	ops check coils	2 days?
64	survey coil polarity	2 days?
65	install cell gas system	3 days?
66	install purge gas system	2 days?
67	install camers	2 days?
68	install beam lines	3 days?
69	install beam line shielding	3 days?
70		
71		
72	**install Big Bite**	**23 days?**
73		
74	install BB stand	3 days?
75		
76	install new BB foot	2 days?
77	modify BB field clamp	2 days?
78		
79	install BB magnet	2 days?
80	install BB magnet power	3 days?
81	install BB water and interlocks	2 days?
82	position and align BB magnet	2 days?
83		
84	install BB detectors	4 days?
85		
86	position and align BB detector	2 days?
87	connect cables	5 days?
88	install detector shielding	3 days?
89		
90	**spectrometers**	**33 days?**
91	bleed up spectrometers	1 day?
92	remove collimator boxes	2 days?
93	install new collimator snouts and align	3 days?
94	install new collimators and align	2 days?
95	pump down spectrometers and leak check	2 days?
96		
97	**Hall general**	**41 days?**
98		
99	install new ground block at pivot post	2 days?
100	modify downstream beam pipe support	10 days?
101	clean up hall	9.5 days?
102	do first run checklist	1 day?
103	start power supplies	1 day?
104	do final check list	1 day?
105	run beam	1 day?