

ID	Task Name	Duration	Start	Finish	Predecessors									
						Jul	Aug	Sep	Oct	Nov	Dec	Jan		
1	MQXFAP Cold Test	81.5 days	Fri 8/10/18	Mon 12/10/18										
2	prepare for test	18 days	Fri 8/10/18	Wed 9/5/18										
3	epoxy pot connectors	8 days	Fri 8/10/18	Tue 8/21/18										
4	upright magnet / install in wiring stand	0.25 days	Wed 8/22/18	Wed 8/22/18										
5	install top hat / lambda plate	0.25 days	Wed 8/22/18	Wed 8/22/18										
6	solder main leads	3 days	Wed 8/22/18	Mon 8/27/18										
7	connect instrumentation hypertronics	2 days	Mon 8/27/18	Wed 8/29/18										
8	300K electrical checkout	2 days	Wed 8/29/18	Fri 8/31/18										
9	move cold mass to dewar	0.25 days	Fri 8/31/18	Fri 8/31/18										
10	lower vessel into dewar	0.25 days	Fri 8/31/18	Fri 8/31/18										
11	install (not connect) power leads, Nash, vacuum, inst., etc.	2 days	Tue 9/4/18	Wed 9/5/18										
12	Cold Test (includes 1 thermal cycle)	58.5 days	Tue 9/4/18	Thu 11/29/18										
13	start CTI4000 / build He inventory	4 days	Tue 9/4/18	Fri 9/7/18										
14	300K electrical checkout	1 day	Thu 9/6/18	Thu 9/6/18										
15	commission magnetic measurements	2.5 days	Fri 9/7/18	Tue 9/11/18										
16	cool magnet to 4.5K	1.5 days	Mon 9/10/18	Tue 9/11/18										
17	start Nash Pump / cool to 1.9K	0.5 days	Tue 9/11/18	Tue 9/11/18										
18	1.9K electrical checkout	0.5 days	Wed 9/12/18	Wed 9/12/18										
19	QPH validation checks	3 days	Wed 9/12/18	Mon 9/17/18										
20	quench tests (30) - no quench antenna	15 days	Mon 9/17/18	Tue 10/9/18										
21	holding test/splice msmts/mag msmt start	2 days	Tue 10/9/18	Thu 10/11/18										
22	magnetic measurements completion	8 days	Thu 10/11/18	Tue 10/23/18										
23	quench propagation / ramp rate tests (10)	3.5 days	Tue 10/23/18	Fri 10/26/18										
24	energy loss measurements	0.5 days	Mon 10/29/18	Mon 10/29/18										
25	warm to 4.5K	0.5 days	Mon 10/29/18	Mon 10/29/18										
26	quench tests (10)	5 days	Tue 10/30/18	Mon 11/5/18										
27	ramp rate measurements	1 day	Tue 11/6/18	Tue 11/6/18										
28	warmup	4 days	Wed 11/7/18	Tue 11/13/18										
29	300K electrical checkout	0.5 days	Wed 11/14/18	Wed 11/14/18										
30	cooldown to 1.9K	2 days	Wed 11/14/18	Fri 11/16/18										
31	1.9K electrical checkout	0.5 days	Fri 11/16/18	Fri 11/16/18										
32	quench tests (3)	2 days	Mon 11/19/18	Tue 11/20/18										
33	warmup	4 days	Wed 11/21/18	Wed 11/28/18										
34	final electrical checkout	0.5 days	Thu 11/29/18	Thu 11/29/18										
35	breakdown test	7 days	Thu 11/29/18	Mon 12/10/18										
36	disconnect power leads, Nash, vacuum, inst., etc.	2 days	Thu 11/29/18	Mon 12/3/18										
37	raise vessel from dewar	0.25 days	Mon 12/3/18	Mon 12/3/18										
38	move cold mass to wiring stand	0.25 days	Mon 12/3/18	Mon 12/3/18										
39	disconnect hypertronics	0.5 days	Tue 12/4/18	Tue 12/4/18										
40	unsolder main leads	1.5 days	Tue 12/4/18	Wed 12/5/18										
41	remove top hat / lambda plate	0.25 days	Thu 12/6/18	Thu 12/6/18										
42	lower cold mass to horizontal	0.25 days	Thu 12/6/18	Thu 12/6/18										
43	prepare for shipping	2 days	Thu 12/6/18	Mon 12/10/18										