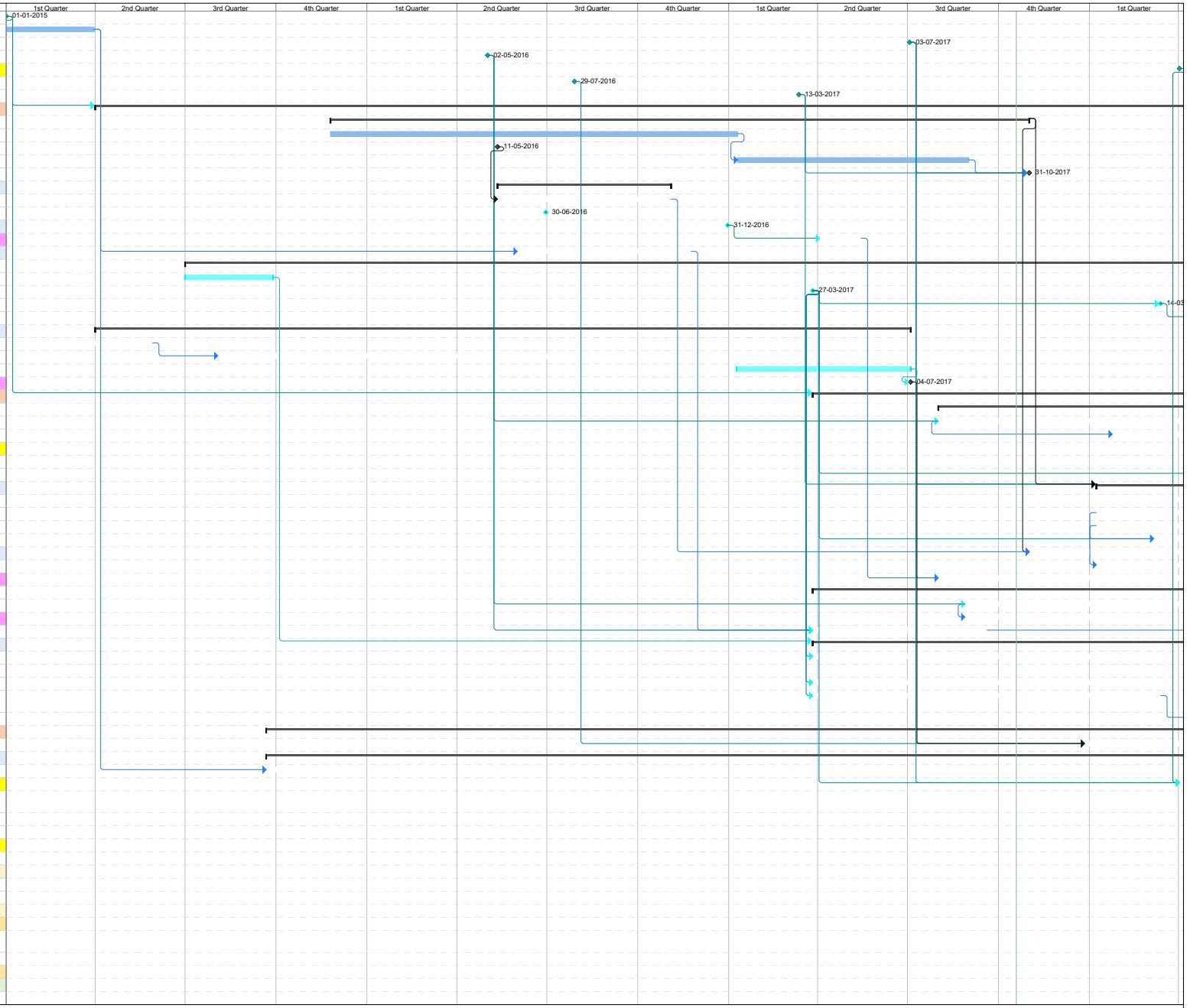
ID	Task Name	Duration	Start	Finish
1	Kick-off	0 days	Thu 01-01-15	Thu 01-01-15
2	Review previous HARPS docs	3 mons	Thu 01-01-15	Tue 31-03-15
3	ING & MoU agreements signed	0 days	Mon 03-07-17	Mon 03-07-17
4	STFC funding awarded	0 days	Mon 02-05-16	Mon 02-05-16
5	Completing funding awarded	0 days	Mon 02-04-18	Mon 02-04-18
6	Spanish infrastructure funding awarded	0 days	Fri 29-07-16	Fri 29-07-16
7	NOVA funding approved	0 days	Mon 13-03-17	Mon 13-03-17
8	Design phase	898.5 days?	Wed 01-04-15	Mon 10-09-18
9	Cassegrain adapter WP	505 days	Wed 25-11-15	Tue 31-10-17
10	CFA optical design	14 mons	Wed 25-11-15	Mon 09-01-17
11	CFA optical design review	0 days	Wed 11-05-16	Wed 11-05-16
12	Mechanical/electrical design	8 mons	Tue 10-01-17	Thu 31-08-17
13	CFA WP Final Design Review	0 days	Tue 31-10-17	Tue 31-10-17
14	HARPS3-POL	126 days	Thu 12-05-16	Thu 03-11-16
15	HARPS3-POL	6 mons	Thu 12-05-16	Thu 03-11-16
16	Deadline to order POL optics	0 days	Thu 30-06-16	Thu 30-06-16
17	CFC/detector head new prelim design	0 days	Sat 31-12-16	Sat 31-12-16
18	Vacuum vessel	6 wks	Mon 03-04-17	Mon 15-05-17
19	CCD controller procurement	6 mons?	Wed 01-06-16	Thu 24-11-16
20	Software systems design	833.5 days	Wed 01-07-15	Mon 10-09-18
21	Software systems design plan	3 mons	Wed 01-07-15	Mon 28-09-15
22	Software systems PDR	0 days	Mon 27-03-17	Mon 27-03-17
23	Dataflow simulation test	0 days	Wed 14-03-18	Wed 14-03-18
24	Software systems CDR	0 days	Mon 10-09-18	Mon 10-09-18
25	HARPS3 room	589 days	Wed 01-04-15	Tue 04-07-17
26	Coude room selection	2 mons	Wed 01-04-15	Fri 29-05-15
27	Temp and vibration surveying	12 mons	Mon 03-08-15	Wed 20-07-16
28	HTE2 design	6 mons	Mon 09-01-17	Tue 04-07-17
29	HARPS3 Room Design Review	0 days	Tue 04-07-17	Tue 04-07-17
30	Manufacturing phase	469 days?	Mon 27-03-17	Fri 11-01-19
31	Spectrograph WP	378 days?	Tue 01-08-17	Fri 11-01-19
32	Spectrograph optics	18 mons?	Tue 01-08-17	Fri 11-01-19
33	Opto-mechanics	8 mons	Wed 24-01-18	Mon 17-09-18
34	Optical fibre link	6 mons	Tue 01-05-18	Wed 24-10-18
35	Spectrograph electronics	6 mons	Wed 30-05-18	Thu 22-11-18
36	Spectrograph control software	4 mons	Fri 27-07-18	Thu 22-11-18
37	Cassegrain adapter WP	147 days?	Mon 08-01-18	Wed 01-08-18
38	Cass fibre adapter unit	5 mons	Mon 08-01-18	Mon 04-06-18
39	Calibration unit	5 mons	Mon 08-01-18	Mon 04-06-18
40	FA & CU control electronics	5 mons?	Mon 08-01-18	Mon 04-06-18
41	FA & CU control software	5 mons?	Wed 07-03-18	Wed 01-08-18
42	HARPS3-POL	8 mons	Wed 01-11-17	Fri 22-06-18
43	Fabry-Perot	6 mons?	Mon 08-01-18	Tue 03-07-18
44	Vacuum system	9 mons	Tue 01-08-17	Mon 23-04-18
45	Detector system	299 days?	Mon 27-03-17	Fri 18-05-18
46	CCD manufacturing (e2V)	9 mons?	Mon 28-08-17	Fri 18-05-18
47	Continuous flow cryostat	6 mons	Mon 28-08-17	Tue 20-02-18
48	Detector control software	6 mons?	Mon 27-03-17	Tue 19-09-17
49	Software systems	464.5 days?	Mon 27-03-17	Fri 04-01-19
50	Data processing software	12 mons	Mon 27-03-17	Wed 14-03-18
51	Instrument control software	0 mons	Thu 22-11-18	Thu 22-11-18
52	Scheduling/archiving software	12 mons?	Mon 27-03-17	Wed 14-03-18
53	OCS/Master control software (80%?)	12 mons?	Mon 27-03-17	Wed 14-03-18
54	TCS dependent software	4 mons?	Mon 10-09-18	Fri 04-01-19
55	Telescope/building upgrades	1074.63 days?	Mon 21-09-15	Fri 01-11-19
56	Coude room outfitting	12 mons?	Wed 27-12-17	Fri 14-12-18
57	Telescope upgrade	1074.63 days?	Mon 21-09-15	Fri 01-11-19
58	Detailed engineering assessment	2 wks	Mon 21-09-15	Fri 02-10-15
59	Call for tenders -> contract	2.5 mons	Mon 02-04-18	Wed 13-06-18
60	Design, review and procurement of telescope systems	9 mons	Wed 13-06-18	Tue 05-03-19
61	Define TCS software interfaces	3 mons	Wed 13-06-18	Mon 10-09-18
62	Announce telescope closure to commu	0 days	Wed 13-06-18	Wed 13-06-18
63	Telescope refurbishment (on-site)	8 mons?	Tue 05-03-19	Fri 25-10-19
64	Re-aluminisation of INT mirrors	5 days	Fri 25-10-19	Fri 01-11-19
65	Subsystems AIV	201 days	Wed 01-08-18	Thu 09-05-19
66	Spectrograph WP AIV	4 mons	Fri 11-01-19	Thu 09-05-19
67	Cass adapter WP AIV	3 mons	Wed 01-08-18	Mon 29-10-18
68	System Assembly, integration, verification	2 mons	Thu 09-05-19	Mon 08-07-19
69	Install Cass adapter on INT	1 mon	Fri 25-10-19	Mon 25-11-19
70	Additional telescope characterisation with H3-FE	1 mon	Mon 25-11-19	Tue 24-12-19
71	Shipping	1 mon	Mon 08-07-19	Tue 06-08-19
72	Install spectrograph at INT	2 mons	Mon 25-11-19	Wed 22-01-20
73	HARPS3 first light	0 days	Tue 24-12-19	Tue 24-12-19
74	Survey operations start	0 days	Thu 20-02-20	Thu 20-02-20



Project: HARPS3_10may2016
Date: Thu 19-10-17

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