

ID		Outline Number	Task Mode	Task Name	Duration	Start	Finish	Predecessors																																																												
									Aug '13				Sep '13				Oct '13				Nov '13				Dec '13				Jan '14				Feb '14				Mar '14				Apr '14				May '14				Jun '14				Jul '14				Aug '14				Sep '14				Oct '14			
1		1		Fund Raising	25.91 wks	Sat 24/08/13	Fri 21/02/14																																																													
2		1.1		Determine Total Project Budget	1.91 wks	Sat 24/08/13	Sat 7/09/13	8																																																												
3		1.2		Write Funding Proposal	3.05 wks	Sat 7/09/13	Sat 28/09/13	2																																																												
4		1.3		Raise Initial in-project budget (\$5k AUD Approx)	3.34 wks	Sat 7/09/13	Mon 30/09/13	2																																																												
5		1.4		Raise Budget from Faculty (10k AUD Approx)	5.05 wks	Sat 28/09/13	Sat 2/11/13	3FF																																																												
6		1.5		Raise Budget from External Sponsors (20k Approx)	20.04 wks	Sat 28/09/13	Sat 15/02/14	3																																																												
7		2		Satellite Flight Model Production	32.05 wks	Sat 10/08/13	Sat 22/03/14																																																													
8		2.1		Planning	2.05 wks	Sat 10/08/13	Sat 24/08/13																																																													
9		2.2		Electronics Rebuild	26.05 wks	Sat 10/08/13	Sat 8/02/14																																																													
10		2.2.1		Existing Electrical Stock Inventory	5.05 wks	Sat 10/08/13	Sat 14/09/13																																																													
11		2.2.2		Electrical Parts Sourcing and Order Creation	8.05 wks	Sat 10/08/13	Sat 5/10/13	10																																																												
12		2.2.3		Order all Electrical Components and PCB	0 wks	Sat 5/10/13	Sat 5/10/13	4,11																																																												
13		2.2.4		Electrical components Delivery	3 wks	Sat 5/10/13	Sat 26/10/13	12																																																												
14		2.2.5		PCB assembly	15 wks	Sat 26/10/13	Sat 8/02/14	13																																																												
15		2.3		Groundstation Interface Design and Build	18.05 wks	Sat 2/11/13	Sat 8/03/14																																																													
16		2.3.1		Groundstation Interface PCB Design	13.05 wks	Sat 2/11/13	Sat 1/02/14																																																													
17		2.3.2		Parts + PCB Order and delivery	3.05 wks	Sat 1/02/14	Sat 22/02/14	16																																																												
18		2.3.3		PCB assembly	1 wk	Sat 22/02/14	Sat 1/03/14	17																																																												
19		2.3.4		Testing and Eval	1 wk	Sat 1/03/14	Sat 8/03/14	18																																																												
20		2.4		Integration and Testing	6 wks	Sat 8/02/14	Sat 22/03/14	14																																																												
21		2.4.1		CSC Functional Test	1 wk	Sat 8/02/14	Sat 15/02/14	14																																																												
22		2.4.2		Power System Test	1 wk	Sat 8/02/14	Sat 15/02/14	14																																																												
23		2.4.3		Communications Test	1 wk	Sat 15/02/14	Sat 22/02/14	21																																																												
24		2.4.4		Telemetry Test	1 wk	Sat 15/02/14	Sat 22/02/14	21,22																																																												
25		2.4.5		Electrical Integration Test	2 wks	Sat 22/02/14	Sat 8/03/14	23,24																																																												
26		2.4.6		Full Electrical Funtionality	0 wks	Sat 8/03/14	Sat 8/03/14	25																																																												
27		2.4.7		Full Assembly Functional and Performance Test	2 wks	Sat 8/03/14	Sat 22/03/14	25																																																												
28		2.4.8		Flight Model Complete	0 wks	Sat 22/03/14	Sat 22/03/14	27																																																												
29		3		Launch Vehicle Preparation	54.05 wks	Sat 17/08/13	Sat 30/08/14																																																													
30		3.1		Research and Consultation with ADFA@UNSW	22.77 wks	Sat 17/08/13	Thu 23/01/14																																																													
31		3.2		Architect interface for flight hardware	1.05 wks	Sat 18/01/14	Sat 25/01/14																																																													
32		3.3		Source and purchase CPU	1.05 wks	Sat 25/01/14	Sat 1/02/14																																																													
33		3.4		Source and purchase ADS-B Unit	4 wks	Sat 25/01/14	Sat 22/02/14																																																													
34		3.5		Integrate ADS-B Unit with CPU	8 wks	Sat 22/02/14	Sat 19/04/14	32,33																																																												
35		3.6		Design Balloon Seperation mechanism	4 wks	Sat 25/01/14	Sat 22/02/14																																																													
36		3.7		Design Parachute Seperation mechanism	4 wks	Sat 22/02/14	Sat 22/03/14																																																													
37		3.8		Design, choose and source SDR for RF input	4 wks	Sat 22/02/14	Sat 22/03/14																																																													
38		3.9		Integrate SDR with CPU	8 wks	Sat 22/03/14	Sat 17/05/14	37,32																																																												
39		3.10		Design, choose and source APRS Locator + GPS	4 wks	Sat 15/03/14	Sat 12/04/14																																																													
40		3.11		Design Power Supply unit for all of flight hardware	4 wks	Sat 12/04/14	Sat 10/05/14	31,32,35,36,37,																																																												
41		3.12		Contingency	3.05 wks	Sat 10/05/14	Sat 31/05/14																																																													
42		3.13		Critical Design Review	0 wks	Sat 31/05/14	Sat 31/05/14	31,32,35,36,37,																																																												
43		3.14		Integration and Testing of electrical components	12 wks	Sat 10/05/14	Sat 2/08/14	31,32,35,36,37,																																																												
44		3.15		Design of Physical platform	5 wks	Sat 10/05/14	Sat 14/06/14	31,32,35,36,37,																																																												
45		3.16		Fabrication, assembly and functional testing of all flight hardware	11 wks	Sat 14/06/14	Sat 30/08/14	44																																																												
46		4		Launch	6.19 wks	Mon 1/09/14	Tue 14/10/14																																																													
47		4.1		Flight Readiness Review	0 wks	Mon 1/09/14	Mon 1/09/14																																																													
48		4.2		Transport of materials to Wagga	1 wk	Mon 1/09/14	Mon 8/09/14																																																													
49		4.3		Setup of groundstation hardware	1 wk	Mon 8/09/14	Mon 15/09/14																																																													
50		4.4		Setup of launch apparatus	1 wk	Mon 15/09/14	Mon 22/09/14																																																													
51		4.5		Last minute funcitonal tests	0.5 wks	Mon 22/09/14	Thu 25/09/14																																																													
52		4.6		Launch Window/Contingency	2.77 wks	Thu 25/09/14	Tue 14/10/14																																																													

Project: launchSchedule
Date: Sat 25/01/14

Task

Split

Milestone

.....

◆

Summary

Project Summary

External Tasks

External Milestone

Inactive Task

Inactive Milestone

◆

◆

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

Deadline

Progress



















◆ 1/09

Page 1

	Nov '14				Dec '14				Jan '15				Feb '15				Mar '15				Apr '15				May '15				Jun '15				Jul '15				Aug '15				Sep '15				Oct '15				Nov '15				Dec '15				Jan '16				Feb '16				Mar '16				Apr '16				May '16				Jun '16				Jul '16				Aug '16				Sep '16				Oct '16											
25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	6	13	20	27	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27	3	10	17	24	1	8	15	22



Project: launchSchedule
Date: Sat 25/01/14

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