CougSat-1					V1.5.1					End: 28-Jun-20	
Milestone Collection of tasks that mark important dates	**Component** Subsystem assembly	**Type** Primary discipline	**Critical Path** Last component of the milestone	**Start** Component commencing	**Build** Design, implement, fabricate, assemble, etc.		**Test** Functional, performance, validation, etc.		**Margin** Excess buffer for the unexpected		
CougSat-1 Flight Unit	CougSat-1 Flight Unit	Assembly		1-May-19	53 weeks	3-May-20	2 weeks	17-May-20	3 weeks	7-Jun-20
	EPS V3.1	Hardware	Critical Path	16-Feb-20	7 weeks	5-Apr-20	2 weeks	19-Apr-20	2 weeks	3-May-20
	Structure V1.1	Hardware		1-Mar-20	4 weeks	29-Mar-20	2 weeks	12-Apr-20	2 weeks	26-Apr-20
	Avionics V1.1	Hardware		1-May-19	45 weeks	8-Mar-20	4 weeks	5-Apr-20	2 weeks	19-Apr-20
	Solar Panel V2.1	Hardware		3-Sep-19	27 weeks	8-Mar-20	2 weeks	22-Mar-20	2 weeks	5-Apr-20
	+X Panel V1.1	Hardware		16-Feb-20	4 weeks	15-Mar-20	1 weeks	22-Mar-20	2 weeks	5-Apr-20
	Comms V1.1	Hardware		1-Jan-20	7 weeks	16-Feb-20	4 weeks	15-Mar-20	2 weeks	29-Mar-20
	Backplane V3.2	Hardware		2-Feb-20	5 weeks	8-Mar-20	1 weeks	15-Mar-20	2 weeks	29-Mar-20
	-Z Panel V1.0	Hardware		1-May-19	45 weeks	8-Mar-20	1 weeks	15-Mar-20	2 weeks	29-Mar-20
	Germination Chamber	Hardware		1-May-19	48 weeks	29-Mar-20	2 weeks	12-Apr-20	2 weeks	26-Apr-20
	Germination Board V1.0	Hardware		25-Sep-19	25 weeks	15-Mar-20	2 weeks	29-Mar-20	2 weeks	12-Apr-20
	Camera Board V1.1	Hardware		11-Sep-19	10 weeks	17-Nov-19	13 weeks	16-Feb-20	2 weeks	1-Mar-20
Software Test	Day in the Life Test	Software		3-May-20	4 weeks	31-May-20	1 weeks	7-Jun-20	3 weeks	28-Jun-20
	IHU - C&DH Controller	Software	Critical Path	1-May-19	51 weeks	19-Apr-20	4 weeks	17-May-20	2 weeks	31-May-20
	ADCS Controller	Software	Critical Path	1-May-19	49 weeks	5-Apr-20	6 weeks	17-May-20	2 weeks	31-May-20
	Comms Controller	Software	Critical Path	1-May-19	49 weeks	5-Apr-20	6 weeks	17-May-20	2 weeks	31-May-20
	IFJR	Software		1-May-19	50 weeks	12-Apr-20	4 weeks	10-May-20	2 weeks	24-May-20
	PMIC - EPS Controller	Software		1-May-19	49 weeks	5-Apr-20	4 weeks	3-May-20	2 weeks	17-May-20

Important Dates

Name	Description	Date
Radio Licensing Forms	All RF regulatory documents completed and being processed by regulatory bodies (FCC)	1-Mar-20
Battery Qualification	Testing the batteries per the testing plan	8-Mar-20
Flight Unit Integration	All flight ready hardware assembled, wiring harnesses installed	3-May-20
Vibration Test	Mechanical test to ensure launch surviability, **only critical hardware fixes will be installed**	10-May-20
Software Integration	All flight ready software installed, **only critical bug fixes will be installed**	31-May-20
Day in the Life Test	A duration test of the flight unit in simulated space environment	7-Jun-20
Nanoracks Handover	Delivery to launch provider	28-Jun-20