CougSat-1					V1.5.1				End: 18-Jan-21	
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		24-Aug-20	14 weeks	30-Nov-20	2 weeks	14-Dec-20	3 weeks	4-Jan-21
	EPS V3.1	Hardware		24-Aug-20	4 weeks	21-Sep-20	4 weeks	19-Oct-20	2 weeks	2-Nov-20
	Battery Testing	Hardware		24-Aug-20	2 weeks	7-Sep-20	4 weeks	5-Oct-20	2 weeks	19-Oct-20
	Structure V1.1	Hardware		24-Aug-20	4 weeks	21-Sep-20	4 weeks	19-Oct-20	2 weeks	2-Nov-20
	Avionics V1.1	Hardware	Critical Path	24-Aug-20	8 weeks	19-Oct-20	4 weeks	16-Nov-20	2 weeks	30-Nov-20
	Solar Panel V2.1	Hardware		24-Aug-20	4 weeks	21-Sep-20	2 weeks	5-Oct-20	2 weeks	19-Oct-20
	+X Panel V1.1	Hardware		24-Aug-20	8 weeks	19-Oct-20	2 weeks	2-Nov-20	2 weeks	16-Nov-20
	Comms V1.1	Hardware		24-Aug-20	4 weeks	21-Sep-20	6 weeks	2-Nov-20	2 weeks	16-Nov-20
	Backplane V3.2	Hardware		24-Aug-20	2 weeks	7-Sep-20	2 weeks	21-Sep-20	2 weeks	5-Oct-20
	-Z Panel V1.0	Hardware		24-Aug-20	4 weeks	21-Sep-20	2 weeks	5-Oct-20	2 weeks	19-Oct-20
	Germination Chamber	Hardware		24-Aug-20	6 weeks	5-Oct-20	4 weeks	2-Nov-20	2 weeks	16-Nov-20
	Germination Board V1.0	Hardware		24-Aug-20	8 weeks	19-Oct-20	2 weeks	2-Nov-20	2 weeks	16-Nov-20
	Camera Board V1.1	Hardware		24-Aug-20	4 weeks	21-Sep-20	2 weeks	5-Oct-20	2 weeks	19-Oct-20
Software Test	Day in the Life Test	Software		24-Aug-20	16 weeks	14-Dec-20	3 weeks	4-Jan-21	2 weeks	18-Jan-21
	IHU - C&DH Controller	Software	Critical Path	24-Aug-20	10 weeks	2-Nov-20	4 weeks	30-Nov-20	2 weeks	14-Dec-20
	ADCS Controller	Software	Critical Path	24-Aug-20	10 weeks	2-Nov-20	4 weeks	30-Nov-20	2 weeks	14-Dec-20
	Comms Controller	Software	Critical Path	24-Aug-20	10 weeks	2-Nov-20	4 weeks	30-Nov-20	2 weeks	14-Dec-20
	IFJR	Software	Critical Path	24-Aug-20	10 weeks	2-Nov-20	4 weeks	30-Nov-20	2 weeks	14-Dec-20
	PMIC - EPS Controller	Software	Critical Path	24-Aug-20	10 weeks	2-Nov-20	4 weeks	30-Nov-20	2 weeks	14-Dec-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	30-Nov-20
Vibration Test	Mechanical test to ensure launch surviability, **only critical hardware fixes will be installed**	7-Dec-20
Software Integration	All flight ready software installed, **only critical bug fixes will be installed**	14-Dec-20
Day in the Life Test	A duration test of the flight unit in simulated space environment	4-Jan-21
Nanoracks Handover	Delivery to launch provider	18-Jan-21