



CougSat-1				V1.5.1			End: 30-Dec-20			
Milestone	Component	Type	Critical Path	Start	Build		Test		Margin	
Collection of tasks that mark important dates	Subsystem assembly	Primary discipline	Last component of the milestone	Component commencing	Design, implement, fabricate, assemble, etc.		Functional, performance, validation, etc.		Excess buffer for the unexpected	
CougSat-1 Flight Unit	CougSat-1 Flight Unit	Assembly		5-Aug-20	14 weeks	11-Nov-20	2 weeks	25-Nov-20	3 weeks	16-Dec-20
	EPS V3.1	Hardware		5-Aug-20	4 weeks	2-Sep-20	4 weeks	30-Sep-20	2 weeks	14-Oct-20
	Structure V1.1	Hardware		5-Aug-20	4 weeks	2-Sep-20	4 weeks	30-Sep-20	2 weeks	14-Oct-20
	Avionics V1.1	Hardware	Critical Path	5-Aug-20	8 weeks	30-Sep-20	4 weeks	28-Oct-20	2 weeks	11-Nov-20
	Solar Panel V2.1	Hardware		5-Aug-20	4 weeks	2-Sep-20	2 weeks	16-Sep-20	2 weeks	30-Sep-20
	+X Panel V1.1	Hardware		5-Aug-20	8 weeks	30-Sep-20	2 weeks	14-Oct-20	2 weeks	28-Oct-20
	Comms V1.1	Hardware		5-Aug-20	4 weeks	2-Sep-20	6 weeks	14-Oct-20	2 weeks	28-Oct-20
	Backplane V3.2	Hardware		5-Aug-20	2 weeks	19-Aug-20	2 weeks	2-Sep-20	2 weeks	16-Sep-20
	-Z Panel V1.0	Hardware		5-Aug-20	4 weeks	2-Sep-20	2 weeks	16-Sep-20	2 weeks	30-Sep-20
	Germination Chamber	Hardware		5-Aug-20	6 weeks	16-Sep-20	4 weeks	14-Oct-20	2 weeks	28-Oct-20
	Germination Board V1.0	Hardware		5-Aug-20	8 weeks	30-Sep-20	2 weeks	14-Oct-20	2 weeks	28-Oct-20
	Camera Board V1.1	Hardware		5-Aug-20	4 weeks	2-Sep-20	2 weeks	16-Sep-20	2 weeks	30-Sep-20
Software Test	Day in the Life Test	Software		5-Aug-20	16 weeks	25-Nov-20	3 weeks	16-Dec-20	2 weeks	30-Dec-20
	IHU - C&DH Controller	Software	Critical Path	5-Aug-20	10 weeks	14-Oct-20	4 weeks	11-Nov-20	2 weeks	25-Nov-20
	ADCS Controller	Software	Critical Path	5-Aug-20	10 weeks	14-Oct-20	4 weeks	11-Nov-20	2 weeks	25-Nov-20
	Comms Controller	Software	Critical Path	5-Aug-20	10 weeks	14-Oct-20	4 weeks	11-Nov-20	2 weeks	25-Nov-20
	IFJR	Software	Critical Path	5-Aug-20	10 weeks	14-Oct-20	4 weeks	11-Nov-20	2 weeks	25-Nov-20
	PMIC - EPS Controller	Software	Critical Path	5-Aug-20	10 weeks	14-Oct-20	4 weeks	11-Nov-20	2 weeks	25-Nov-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	11-Nov-20
Vibration Test	Mechanical test to ensure launch surviability, <b>only critical hardware fixes will be installed</b>	18-Nov-20
Software Integration	All flight ready software installed, <b>only critical bug fixes will be installed</b>	25-Nov-20
Day in the Life Test	A duration test of the flight unit in simulated space environment	16-Dec-20
Nanoracks Handover	Delivery to launch provider	30-Dec-20