Liquid Propellent Engine Test Stand Integration and Testing

■ Completed ■ Elapsed ■ Remaining

	6-Jan	13-Jan	20-Jan	27-Jan	3-Feb	10-Feb	17-Feb	24-Feb	3-Mar	10-Mar	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr	21-Apr	28-Apr	5-May	12-May	19-May	26-May	2-Jun	9-Jun
Pintle Test																							
Water Test Pintle V1																							
Analysis of Pintle V1 Test																							
Design Pintle V2																							
Manufacture Pintle V2																							
Water Test Pintle V2																							
TEST STAND																							
CAD																							
Pressure Section																							
IPA Section																							
LOX Section																							
HARDWARE																							
Pressure Section Ordered																							
IPA Section Ordered																							
lox Section Ordered																							
Pressure Section Installed																							
IPA Section Construction																							
lox Section Construction																							
MAIN FUEL/LOX VALVE																							
Cryogenic conditions valve torque test																							
Valve actuator design review & Parts Order																							
Build custom bracket																							
IGNITER																							
Augmented Spark Torch Igniter Proof-of Concept																							
Full Igniter Design																							
Igniter Manufactured and Ready for Test																							
External Igniter Design																							
External Igniter Prototype																							
External Igniter Installed																							
ENGINE																							
CAD fixture Modification Drawing																							
Machine fixture																							
Machine engine																							
Hydrotesting																							
Static Fire Test																							
SITE PREPARATION																							
Site Identification																							
Test Site Design																							
Coordination with Third Parties																							
Test Site Construction																							
BASE 11 SPACE CHALLENGE																							
Progress Report																							
Static Fire Requirements Met																							
Static Fire Stand Design Submission																							
CAPSTONE CLASSWORK																							
PDS Report Update																							
Gantt Chart																							
Winter Progress Report Rough Draft																							
Winter Progress Report Final Draft																							
Winter Progress Report Submitted																							