

2018 BOLT PDR

Dr. Ivett Leyva | October 29-30, 2018 | Arlington, VA

Basic Research Innovation and Collaboration Center (BRICC)
4100 North Fairfax Drive., Suite 450 | Research Room
Arlington, VA 22203

Agenda Day 1 | Monday, October 29, 2018

Time	Title	Speaker
09:30-10:00	Registration	
10:00-10:10	Introduction	Leyva
10:10-10:35	Flight Geometry - TAMU WT Analyses	Kostak
10:35-11:00	Flight Geometry - TAMU Stability	Moyes
11:00-11:25	Flight Geometry - Minnesota CFD	Thome
11:25-11:50	Flight Geometry - Purdue support of WT testing	McKiernan
11:50-12:50	LUNCH	
12:50-13:20	Flight Geometry - APL WT Campaign @ CUBRC, Purdue, Langley	Berridge
13:20-14:40	Flight Geometry Instrumentation Layout - Instrumentation layout latest version - Gather input from team on desired changes before CDR - Discussion	Wheaton
14:40-15:10	Payload System - Instrumentation Data Acquisition and Telemetry - Questions from science team re: electronics, amplifier chips, gains, telemetry	Adamczak
15:10-15:30	PCB flight qualification and high-speed data systems	GHI (?)
15:30-16:00	Roughness experiment concepts, NASA-led testing	Berry
16:00-16:30	Discussion	
16:30	ADJOURN	

Agenda Day 2 Tuesday, October 30, 2018		
Time	Title	Speaker
8:15-8:25	Opening Remarks	Col. David J. Winebrenner (AFOSR Acting Director)
8:25-8:35	Welcome and PDR Expectations	Leyva
8:35-9:05	Top Level Overview - Objectives - Scientific Requirements - Flight Experiment - Flight Research Vehicle Overview, Team, and Interfaces	Wheaton
9:05-9:25	Launch Services	DLR
9:25-9:55	Flight Geometry - Mechanical Concept	Wolf
9:55-10:10	BREAK	
10:10-10:40	Flight Geometry - Analyses - Analysis methods - CFD, thermal - Thermal analyses - Joint step tolerances and manufacturing plan - Aerodynamic fairing	Wheaton
10:40-11:20	Summary of student research contributions (TAMU, Minnesota, Purdue)	Kostak, Moyes, Thome, McKiernan
11:20-12:05	Flight Geometry - Scientific Experiment Design - Instrumentation overview - Instrumentation layout and traceability to objectives - Measurement ranges	Wheaton
12:05-13:05	LUNCH	
13:05-14:15	Payload System - System overview - Launch Vehicle, Trajectory, Mission Events - Aerodynamics - Integration - Electrical system - Telemetry - Software - Test & Evaluation	Adamczak
14:15-14:45	Programmatics - Schedule - Risks - Resources - Critical Path - Path Forward to CDR	Wheaton Adamczak
14:45-15:00	BREAK	
15:00-16:00	Discussion	
16:00-16:30	Government Team Caucus	
16:30-17:00	Debrief	
17:00	ADJOURN	