

Post Flight Review Presentation

The Post Flight Review slide format is up to you. You can get creative. You must include the required information listed below. The presentation must be kept at 15 minutes.

For the flight data analysis, event correlations can be identified in the data plots.

Introduction	Expectations
Presentation outline	Outline of presentation
Team organization	
Systems Overview	
Payload Design Description	Team shows design of payload. Identifies major components: electrical and mechanical. Explains how payload operates.
Container Design Description	Team shows design of container. Identifies major components. Explains how container works.
Concept of Operations and Sequence of Events	
Comparison of planned and actual Conops	Team shows how planned CONOPS and actual implementation CONOPS compares.
Comparison of planned and actual SOE	Compare planned sequence of events with how events occurred in the field.
Flight Data Analysis	
Second parachute deploys at 400 meters	Show correlation of parachute release against altitude.
Tether starts unspooling at 300 meters	Show correlation of unspooling against altitude
Tether unspools for 20 seconds	Show plot of altitude based on pressure sensor
Payload altitude plot	Show plot of altitude based on pressure sensor
Payload temperature sensor plot	Show temperature sensor data
Payload battery voltage plot	Show rotation plot
Container Altitude plot	Show Container altitude plot over the time of mission.
Container GPS position plot	Show 3D plot of GPS position data.
Container Battery Voltage Plot	Show battery voltage plot. Must be from the battery, not after the voltage regulator.
Payload Camera Video	Video presentation

Bonus Container Camera Video	Video presentation
Failure Analysis	
Identification of failures, root causes, corrective actions	Teams explains what they screwed up and what broke.
Lessons Learned	
Discussion of what worked and what didn't	Self explanatory
Conclusions	