

ACC Test Burn - No ULD FSS, June 28, 2016

This test began at 9:13 AM and was concluded by 3:13 PM.

The elevation of Scottsdale, AZ is 1,248 feet.

The outside temperature for Phoenix, AZ

Minimum Temperature - 89.1 °F

Mean Temperature - 99.8 °F

Maximum Temperature - 113.0 °F



This load was specified by the Chief Engineer at a major cargo company and is consistent with the FAA Test Protocol for Halon Replacement. This simulates a "Worst Case Scenario" and will also test the door and other components of the container.



After 39 minutes, temperatures inside the container rise to 1,130 °F, as smoke continues to exit the container along the side door guides and the header beam - the fire still has not breached the container.



The container panels show some darkening where the fire is most intense, however there is still no breach or structural damage to the container and its components.



The mean temperature inside of the container for the final three hours of the test remains above 377 °F. It is apparent that the fire inside is still roaring as the sound of boxes falling are heard.

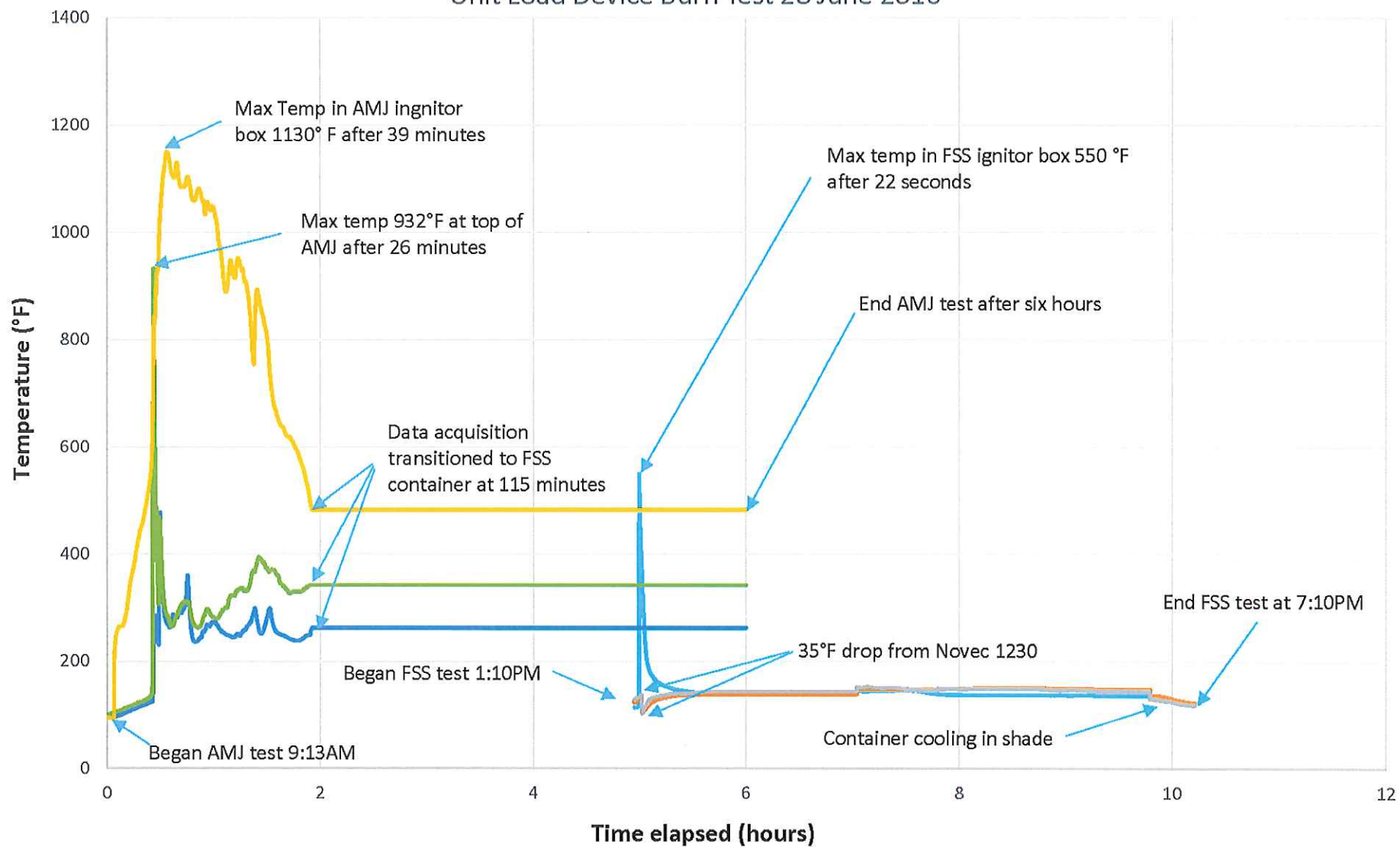


After 6 hours, the container remains intact and unbreached by fire. The test is complete and fire fighters are ready to move in and address the burning cargo.



This picture confirms that the Air Cargo Container composite panels, floor and door resist the effects of a fire throughout the full 6-hour burn test. This test was witnessed by several industry experts and a full copy of the test film can be made available upon request.

Unit Load Device Burn Test 28 June 2016



- FSS Thermocouple 1-Igniter Box
- FSS Thermocouple 2-Middle
- FSS Thermocouple 3-Top
- AMJ Thermocouple 2-Middle
- AMJ Thermocouple 3-Top
- AMJ Thermocouple 1-Igniter Box