MEETING MINUTES

# Topic: Analysis Feedback with Chuck

## Date: October 19, 2018

## Time: 3:45 pm – 4:55 pm

**Minutes recorded by: Lexie**

**Meeting called by**: All

Attendees: Chuck, Lexie, Aziz, Israel

Please bring: Laptops, Notebooks

Table . Record of meeting.

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| TIME BREAKDOWN | **TOPIC / NOTES** | **LOCATION** |
| 3:45 pm – 4:25 | Heat Flux Stuff* Need to compare flight and test conditions, Lexie only looked at flight conditions
* An ANSYS simulation might be useful for heat flux distribution (finer mesh toward the back of the radome and where radiators hit)
* you need to look at the temperatures as a result of the heat flux distribution that was found. Use this to say that the temperature differential is within the target value
* Resistive network around radome (see picture in notes)
* You can tell the test operators how long the lamps should heat up/what temps the radome should get to
 | EGR 102 |
| 4:25 – 4:55 pm | Wiring/Connection Board* Example -- Include: 2 force transducers, 50-100 strain gauges, 50-100 thermocouples, 10 LVDT
* Need to choose how many holes, what connectors you suggest using, how many wires you’re using for each type of connection, how does this board attach to the fixture, what’s the bracketry, is it in the heat path, does it need a heat shield
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**Next formal meeting: Wednesday Oct 24**

**Time: 11:30 am**

**Location: Conference Call**

**What will be addressed? HR2/Presentation and Analyses**