

Welcome!

2017 Near-Space Balloon Competition

Please enjoy some pizza!

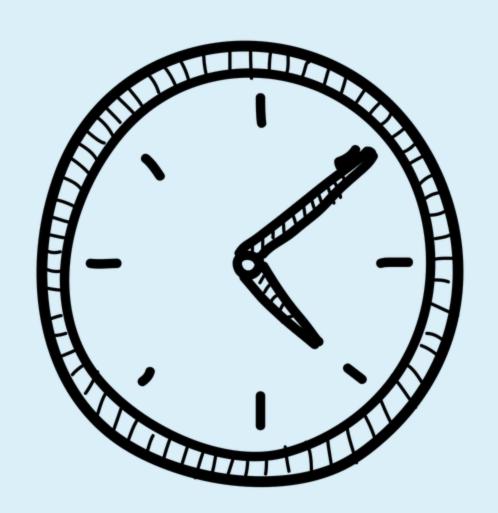
Introductions



Agenda

- 4:00 4:30 Pizza
- 4:30 5:15 Presentations
- 5:15 7:00 Interactive stations, passing your Flight Readiness Review

Finalize payloads



1



Mission Concept Review (flight path predictions, NOTAMs, Iridium)

2



System Requirement Review

(mission architecture, Eclipse 2024, equipment)

Flight Readiness Review Stations

3



Critical Design Review

(Mission requirements, weights, forms for teachers)

4



Operational Readiness Review

(Present your science objectives and design)

5



Space Mission Analysis
(Overall mission profiles for space exploration)

Folders

- YOUR schedule for the night
- YOUR Flight Readiness Review pass
- Map of the rooms (we'll help, too)

- For teachers:
 - Payload reimbursement forms (W9)
 - Invoice information
 - Travel reimbursement



Flight Readiness Review

Team Icarus, Circle of Nations School

Mission Concept Review	Teams have examined the flight path predictions, analyzed the ascent, descent, and burst calculations, NOTAMs, and Iridium software. All team members have reviewed and tested these systems.
System Requirement Review	Teams have examined the mission architecture of the balloon flight. The functional elements of the payload tra have been assessed and tracking gear has been inspected. Future Eclipse 2024 missions have been assessed.
Critical Design Review	Teams have demonstrated that their payloads met missic performance requirements, such as weight, size, assemb and schedule constraints.
Operational Readiness Review	Teams have presented their science objectives and systems. Through great teamwork, this team has effectively demonstrated their flight readiness.
Space Mission Analysis	Teams have visited with the Spaceflight Laboratory, analyzed the Lunar and Martian research designs and equipment. They have conducted a multidisciplinary review of atmospheric and space travel.

Completion of this FRR certifies that this NSBC team has completed the necessary NASA life-cycle milestones t launch their payload on a 1500-gram high altitude balloon on December 2, 2017.



2017 NSBC Flight Dire



Tomorrow's Plan

Leaving from Hilton Hotel (GF)

Not leaving from Grand Forks

6:45 am Meet busses outside

7:00 am Busses are leaving

8:00 am Arrive at site and start fill

9:00 am Launch Balloons

11:30 am Recovery

3:00 pm Latest return to N. Cass

3 - 4 pm Closing ceremony/pickup

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After the stations...

 Join us back in Clifford 210 before we say goodbye After we launch...

Final reports are due one month (January 8, 2018)