

HADES 2013 Status Report
 Month: July 2013

Activities of the Team Members:

A. Mechanical, Electrical, and Software

-final preparations were made for HASP integration at CSBF

B. Biology:

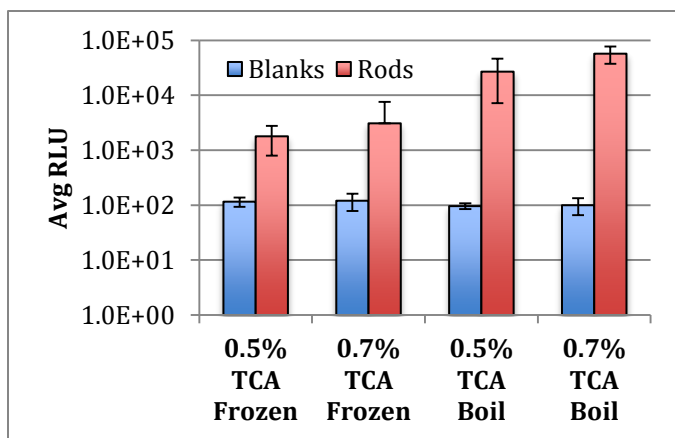
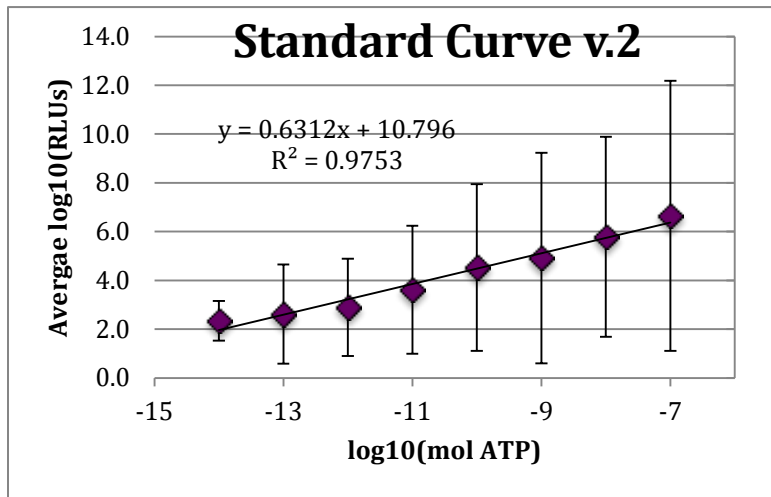
-A new protocol for the extraction of ATP from bacterial cells has been optimized
 -Cells lysis procedures had to be optimized for atmospheric samples using roof top samples on rods

Issues encountered:

-Since the new ATP protocol was based on the hand prepared reagents (as opposed to a pre-packed kit) a new standard curve had to be created
 -This took several attempts
 -The reagents had to be prepared and kept free from contamination

Milestones Achieved:

-Payload is ready for full thermal-vac test
 -FLOP was submitted
 Standard curve was created for ATP extraction
 -Cell lysis procedures were optimized
 -Samples will be boiled to release ATP



Current Team Members and Advisors:

Name	Year	Demo	Role
Noelle Bryan	Graduate Student	Caucasian	Team Lead, Biology
Scott Burke	Junior	Caucasian	Mechanical
David Branch	Junior	Caucasian	Software
B. Christner			PI