

# Interdependent Researchers of Space

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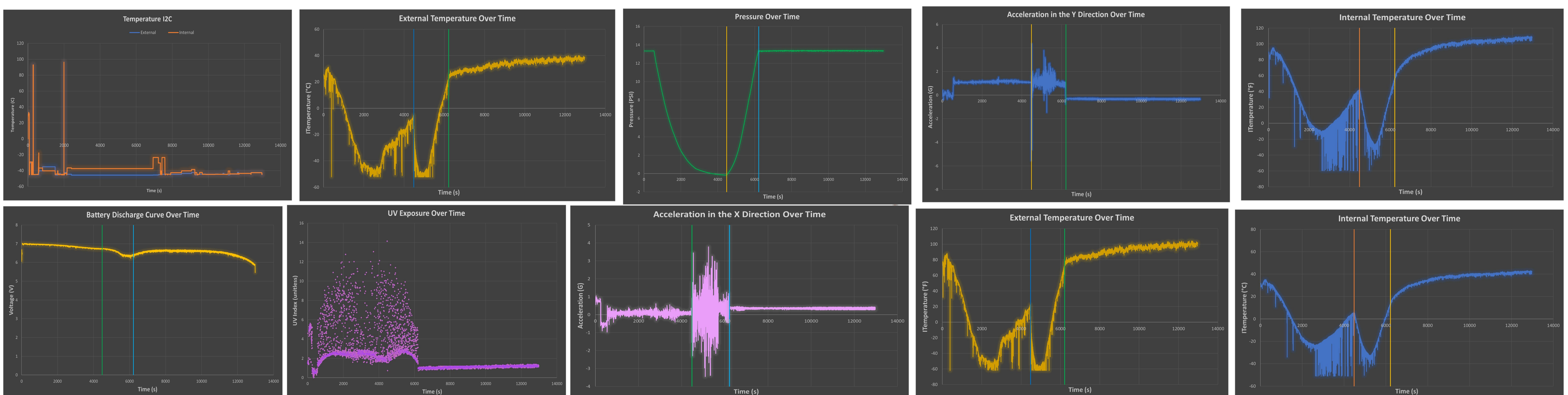
**Overview:** How do readings of different sensor formats compare to one another?  
(I2C to analog)

## Introduction & Project Description:

Alongside measuring UV light and a collection of analog sensors (temperature, pressure, and accelerometer), I2C temperature sensors were used to compare readings to their analog counterparts.

## Results:

The payload was retrieved successfully, and analog sensors read clear data; however, the I2C data read inconsistently.



## Methods:

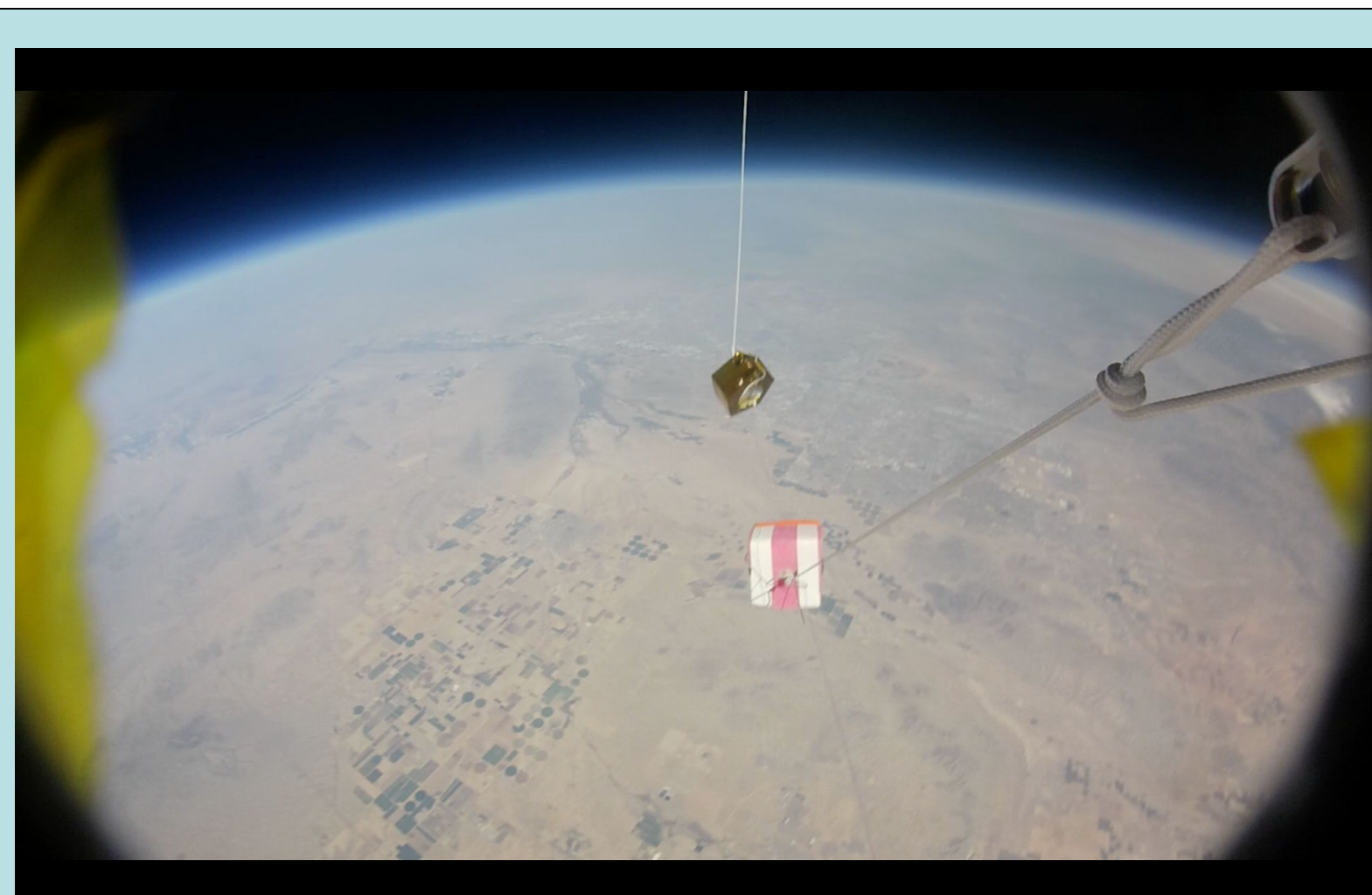
Data was collected with a student-made flight data recorder and controlled by a ProMicro. Data was stored on a pair of EEPROMs.

## Conclusion:

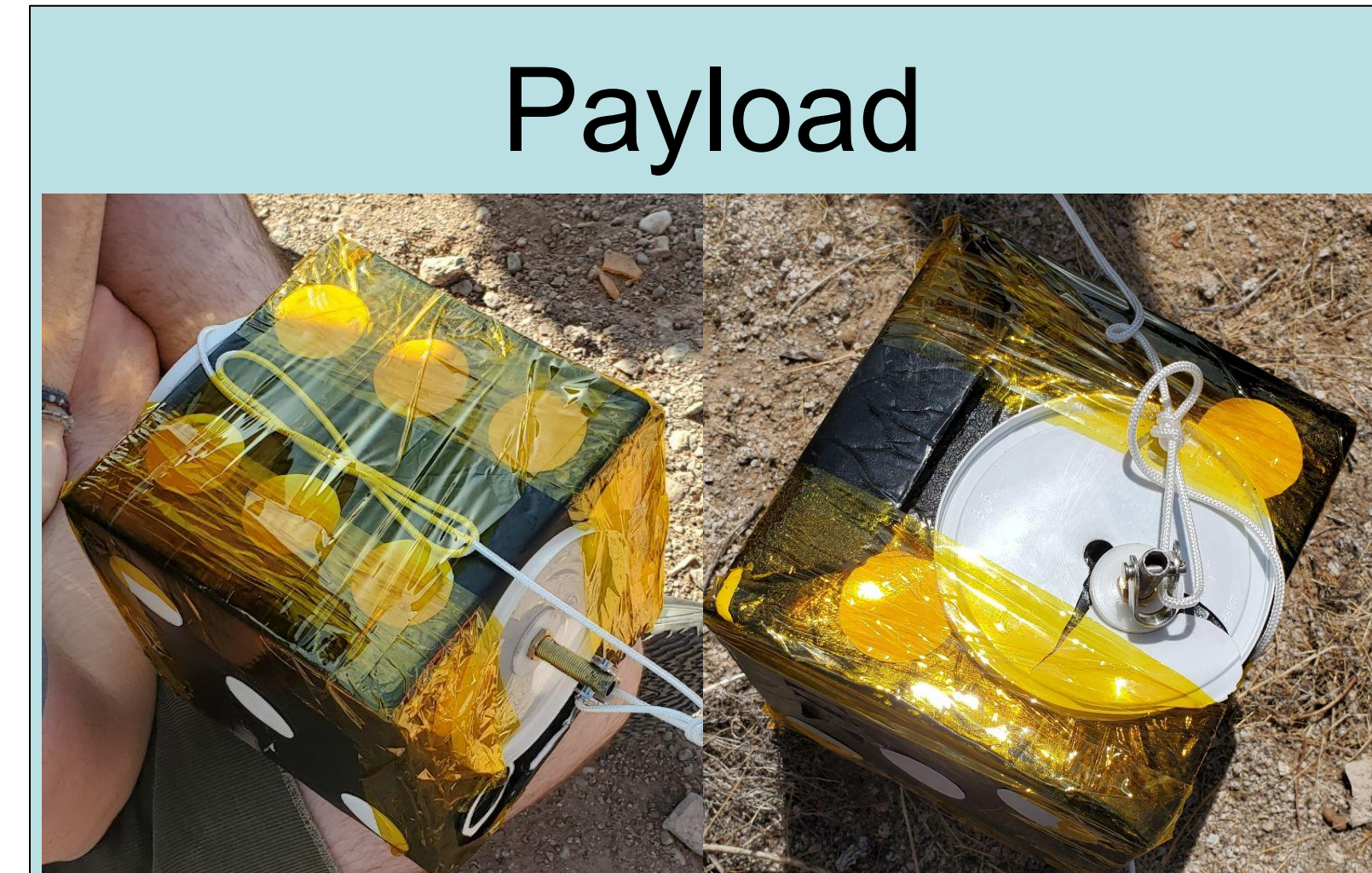
IRS concluded that our I2C sensors did not read accurately and that stack overflow may have been the issue.



GCC ASCEND Students

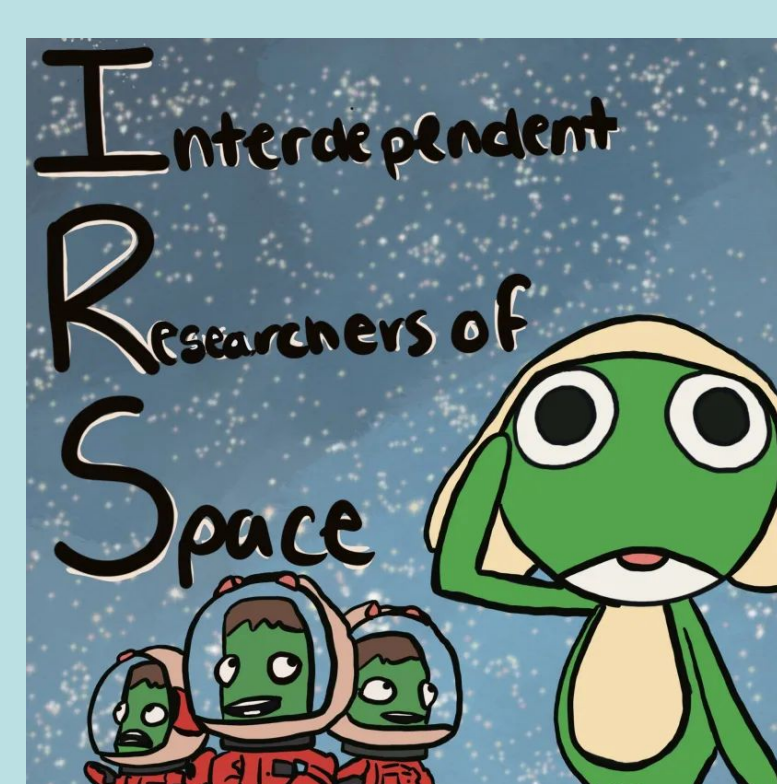
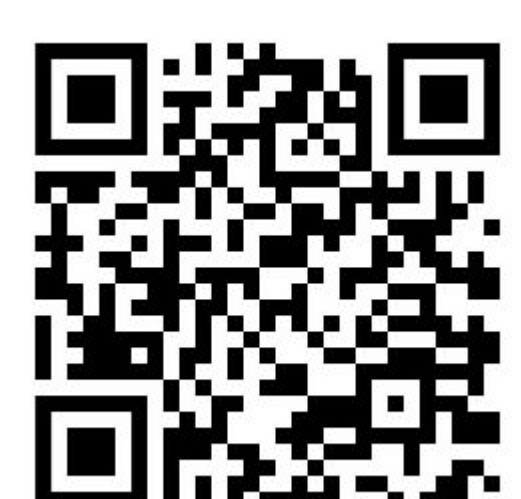


In-Flight



Prelaunch Post-Recovery

## Website:



## Balloon Pop:

