sdmay18-23: Internet of Things, Data Analytics for Snow Plow Truck-Data Live
Week 15 Report
March 10 – March 23

Team Members
Alan Peine — *Git Master*
Colin Heinrichs — *Test Engineer*
Evan Warych — *Report Manager*
Michael Entin — *Meeting Reporter*
Zachary Wilson — *Meeting Facilitator / Point of Contact*

Summary of Progress this Report
While the team took time off from development over this reporting period to enjoy themselves over spring break there was still a few advancements in the past 5 days to report. The key feature still missing from the application is the display of GPS data, this has been something that has been a bit troubling throughout the semester. It was not being sent the same way as the other readings of truck performance was and needed some time of its own. A new data logger script is soon to be deployed onto the raspberry pi's to help facilitate the correct transfers. On top of that changes in the data logger conversion service were made to make sense of the GPS data.

Pending Issues
Major pending issues that pertain to this week's progress are the continuation of supporting the GPS data. It is something that has been in this section multiple times, but is finally coming to fruition now that most other data is being handled correctly. This is something that will involve all team members, from the data logger itself to front end display there will need to be changes and additions to handle this special type of data.

Another issue that is still prevalent is the need to compress data during transfer due to the sheer amount that is coming through. This was planned for later reporting periods until all data is being transferred throughout the application smoothly to begin with.

Plans for Upcoming Reporting Period
Major plans for this next reporting period again focus around the key term GPS data. As stated in the previous section the need for additions throughout the application to support its transfer and display on the website are going to be the main task for developers this reporting period.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Alan Peine	GPS data conversion	4	100
Colin Heinrichs	New changes to data logger script for GPS	3	94

	data and direct to conversion service		
Evan Warych	Backend route preparation for GPS data	4	89
Michael Entin	Database preparation for GPS data	3	106
Zachary Wilson	Front end data presentation	3	94