

**HASP 2016**  
**UNF-UND Payload**  
**Ozone Sensors Payload and its Applications (OSPA)**

**Monthly Status Report for March 2016**

**UNF Team**

**Faculty Advisor:**

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**UND Team**

**Faculty Advisor:**

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**UNF-UND Students Team:**

	<b>Name</b>	<b>Gender</b>	<b>Ethnicity</b>	<b>Race</b>	<b>Status</b>	<b>Disability</b>
<b>University of North Florida Students Team</b>						
1	Brittany Nassau Cell: 904-495-1765 Brittany.Nassau@gmail.com	Female	Non-Hispanic	Caucasian/White	UG-Electrical	No
2	Ken Emanuel Cell: 904-614-2117 kennecom@gmail.com	Male	Non-Hispanic	Caucasian/White	UG-Electrical	No
3	Joseph Thomas Silas Cell: 904-520-1605 Cruiser_9482@yahoo.com	Male	Non-Hispanic	Caucasian/White	UG-Mechanical	No
4	Matthew Linekin Cell: 904-631-8575 N00601480@ospreys.unf.edu	Male	Non-Hispanic	Caucasian/White	UG-Mechanical	No
5	Jesse Lard Cell: 850-348-3510 jesselard@gmail.com	Male	Non-Hispanic	Caucasian/White	UG-Physics	No
6	Chris Farkas Cell: 904-413-6047 N00965140@ospreys.unf.edu	Male	Non-Hispanic	Caucasian/White	UG-Electrical	No
<b>University of North Dakota Student</b>						
1	Chris Follette christopher.follette@my.und.edu	Male	Non-Hispanic	Caucasian/White	G-Space Studies	No

## UNF-UND Teams did the following work during March 2016:

- (i) Chris and Jessie learned how to measure the data from the payload from Ken. They used the last year payload to understand measurements of ozone sensors, power budget, commands, etc. (Fig.1).



Fig.1 Jessie and Chris are working measurements of data.

- (ii) Jesse is working on operation of the high vacuum system for the deposition of thin films and fabrication of ozone sensors under supervision of Dr. Patel.
- (iii) Chris is working on the payload hardware and software.
- (iv) Students gone for one week vacation during their spring break.

## News of Former HASP participants

- (1) **Rebecca Polo**, who worked on HASP 2011 and 2012 got her job at Jacobs Technology of NASA Kennedy Space Center as the Thermal Protection Systems Engineer. She is making the tiles that cover the exterior of flight vehicles and thermal blankets that cover such things as payloads. She is currently making tiles for Orion, and soon will be working on Sierra Nevada's Dream Chaser.
- (2) **Jason Saredy**, who worked on HASP 2008 to 2012 is selected for Ph.D. (Medical Science) Program of Temple University. He did his bachelor degree in Physics and Mathematics and then did master degree in Biology.

Both students were worked on the fabrication of ozone sensors and calibration of sensors.