

HASP 2014

UND-UNF Payload

Monthly Status Report for April 2014

UNF Team

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UND Team

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Students:

Team is waiting for addition of one or two students from UND.

UND-UNF team did the following work during April 2014:

- (1) We have not done any work during this week due to the final examination.
- (2) The fabrication and testing of ITO and ZnO+ITO thin films sensors are going on. Sensors are tested with the ozone gas generator. Sensors are tested with variation of ozone gas concentration from 0 to 12 ppm.
- (3) We are trying to use alpha phase of silver tungstate (Ag_2WO_4) to fabricate the ozone sensors.
- (4) We are testing the U-blox GPS and comparing it with the Trimble Copernicus GPS and Byonics GPS.
- (5) Team has prepared the preliminary payload specification and integration plan (PSIP), which is attached with this report.
- (6) Dr. Patel, Brittany and Ken participated the advisory board meeting of Florida Space Grant Consortium (FSGC) held at the UNF, Jacksonville on April 17, 2014. Dr. Patel has made the presentation of HASP2013 results. The presentation file is attached with this report. Brittany and Ken also briefly presented about ongoing work on the HASP2014 as well as the RASC-AL project on “Cis-Lunar Exploration for Realizing Transit Habit (CLERTH)”.