



HASP MONTHLY STATUS REPORT – CRESS

Friday October 31, 2016

Current team members, demographics, and leaders

Team Lead: Austin Schmitz - Undergraduate, University of Florida.
Engineering Advising: Eric Schultz - Post Doc, University of Florida
UF Fabrication Lab
Biological Assistance: Ana Ward – Undergraduate, University of Florida
PIs: Dr. Robert Ferl – ICBR, Horticultural Sciences, PMCB, University of Florida
Dr. Anna-Lisa Paul – Horticultural Sciences, PMCB, University of Florida

Post-Flight Processing

CR-39 SSNTD sheet processing continues this month. The etching process of the CR-39 has been tried and tested on non-flight material to determine the best method for flight sheets. The first of six flight sheets have been etched and several GCR hits have been located and documented. The locations of these hits will be matched to other adjacent CR-39 sheets and to the seed tray in the next coming weeks. Below is an example of an impact that has been discovered. Once hits are well documented and are determined to pass through several sheets, the corresponding “hit” seeds will be removed and germinated.

Seeds will be screened on .5x MS media and grown in the vertical orientation. This vertical growth will allow observation of both the leaf and root phenotypes. We must balance the use high throughput screening techniques without sacrificing the fidelity of the screening process.

