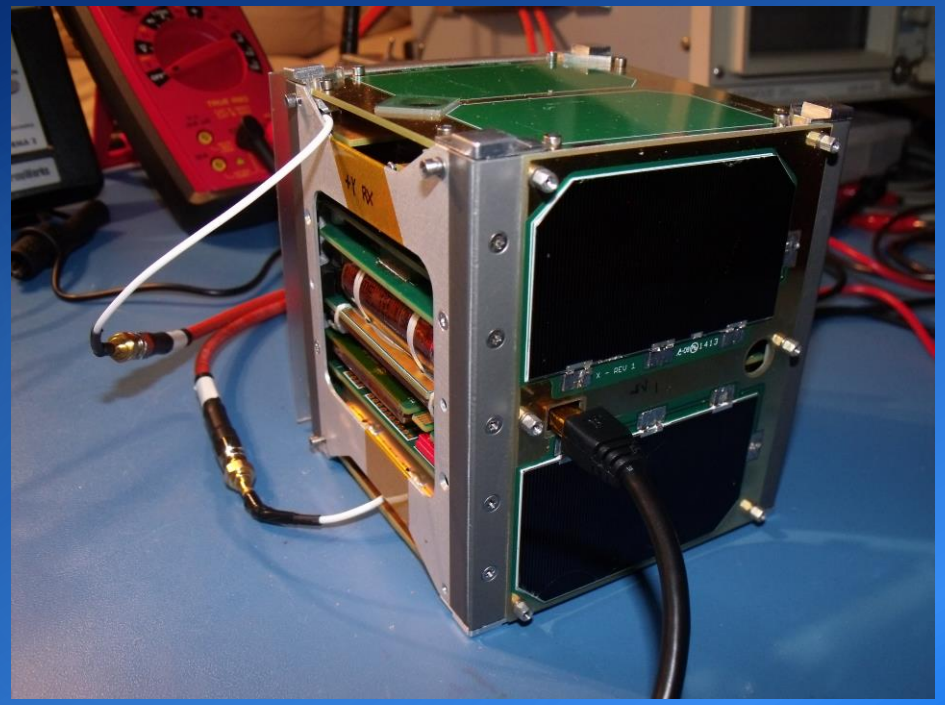
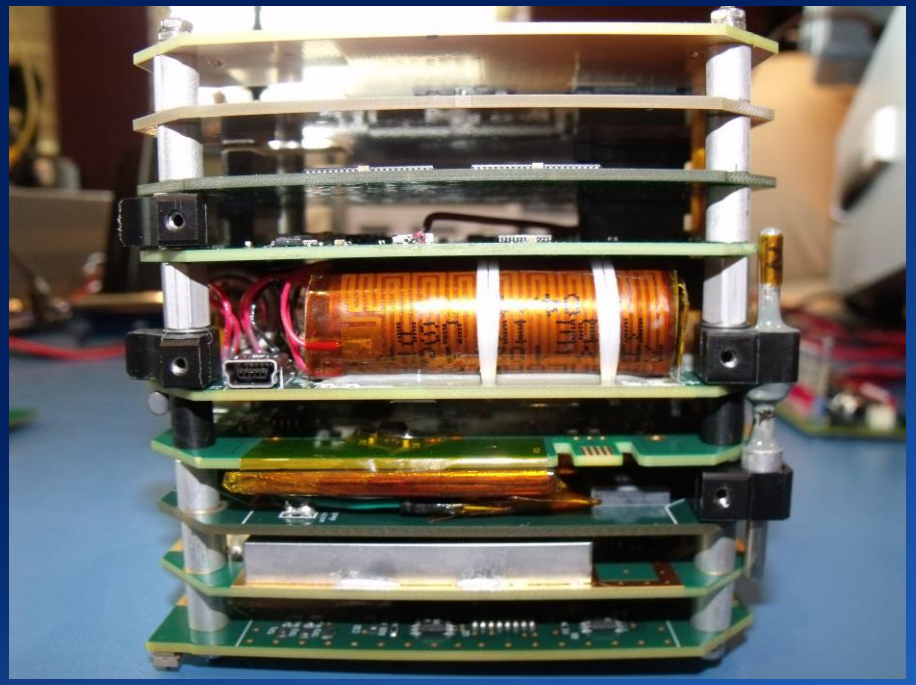
An Exciting Year

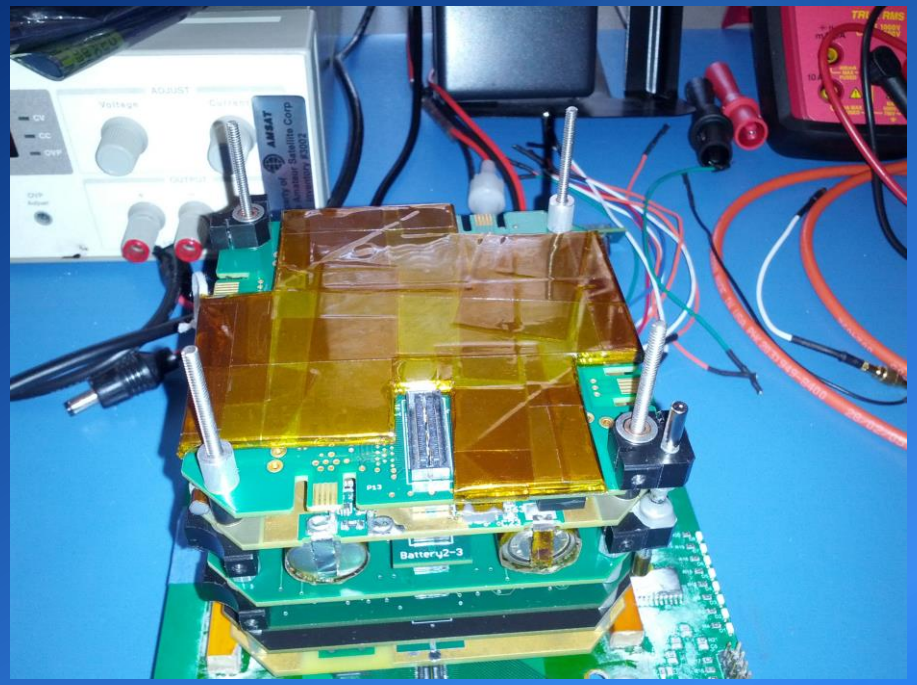
- Fox-1A (almost) Completed
- Fox-1 CubeSat Platform in Production
- Fox-1B "RadFXSat" Awaiting Manifest
- Fox-1C Launch Secured
- Fox-1D In the Wings

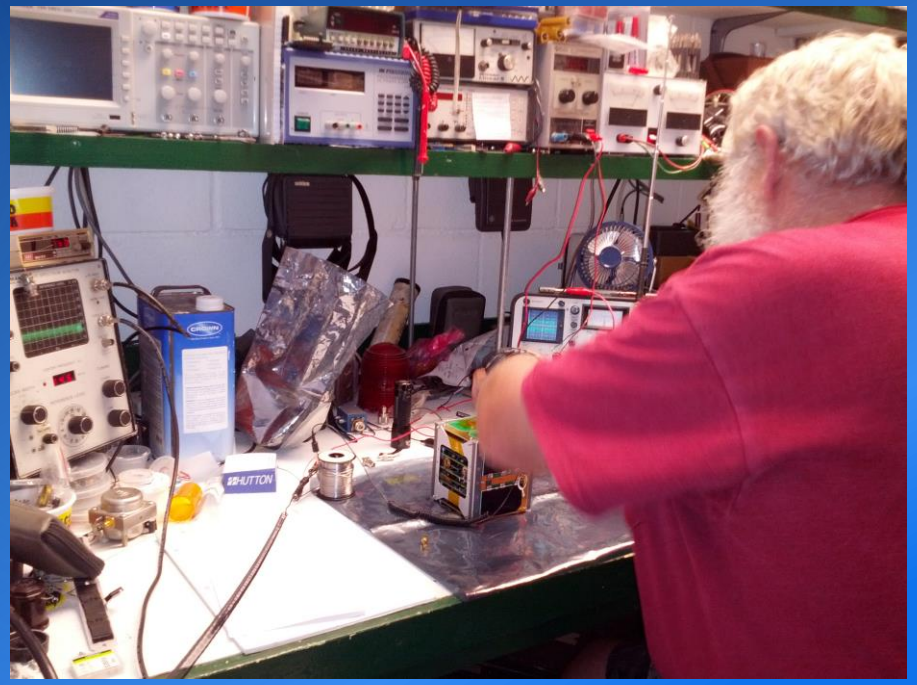
Fox-1A (Almost) Completed

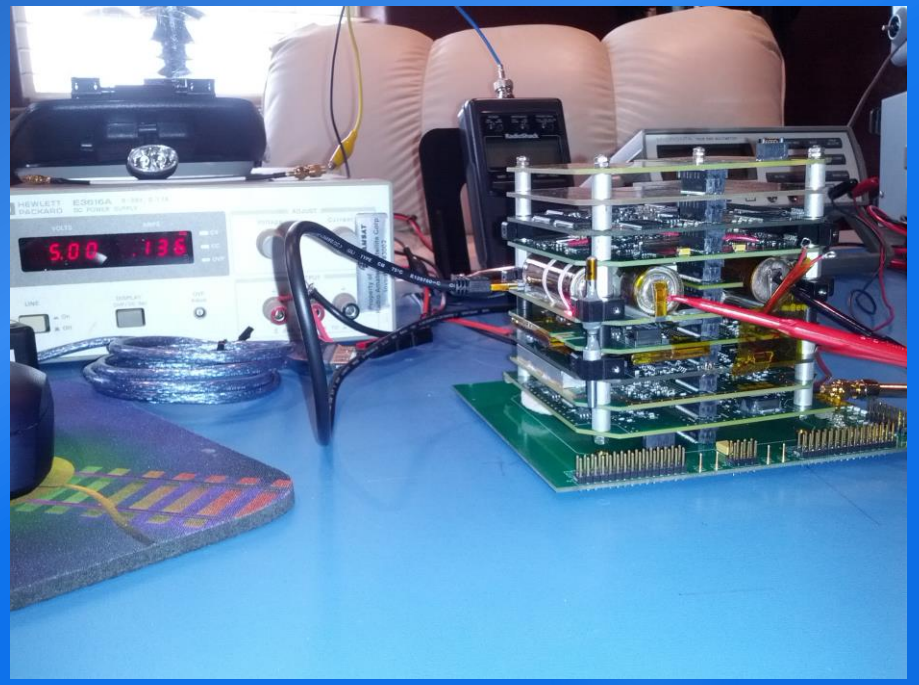


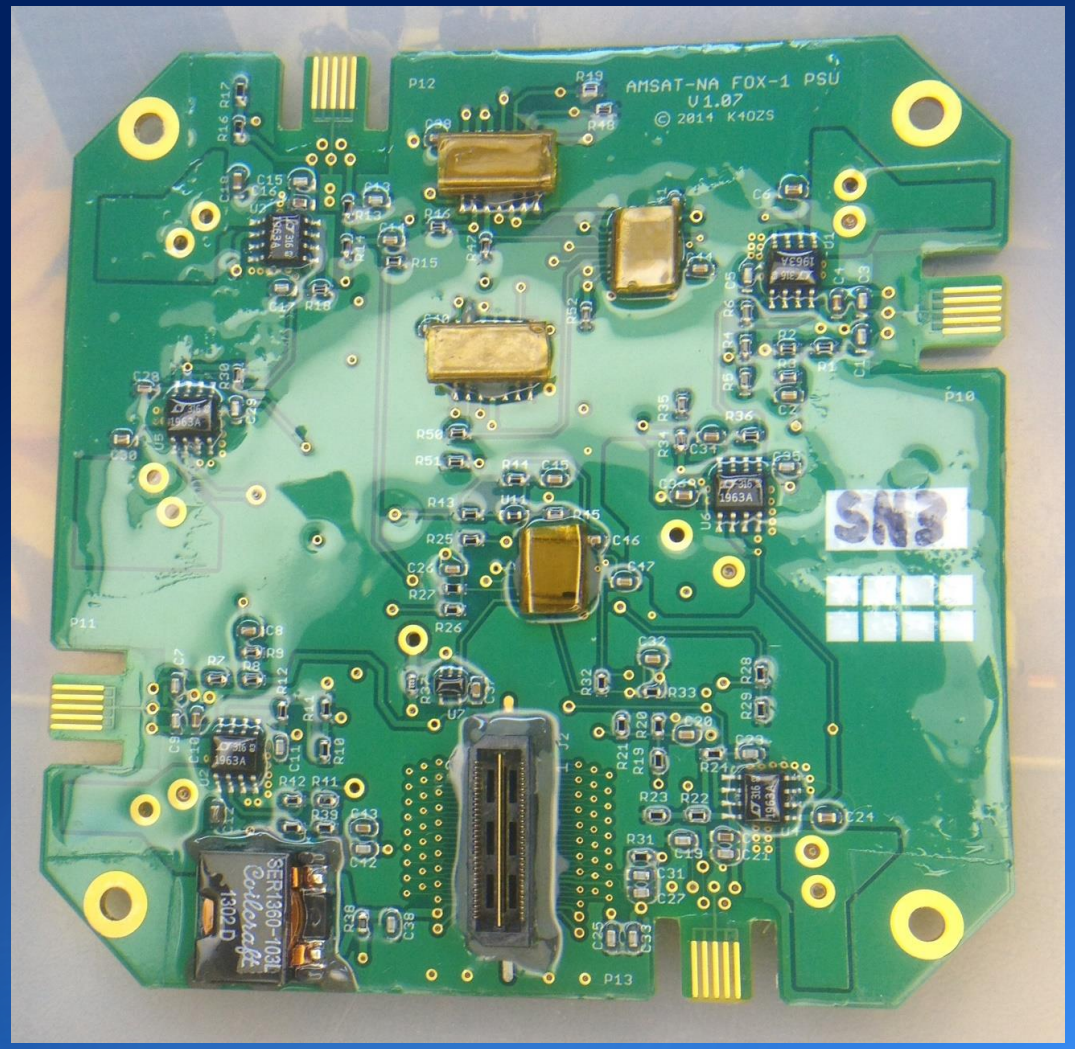
- October 31 – VT camera delivered
- November 10 – Flight unit and flight spare completed
- **December 5 – DITL testing completed**
- **December 12 – Vibration testing and Bakeout completed**
- December 31 – Final reports submitted
- **January 26 – Hands Off**
- February 18 – MRR at Cal Poly
- **March 16 – Delivery**

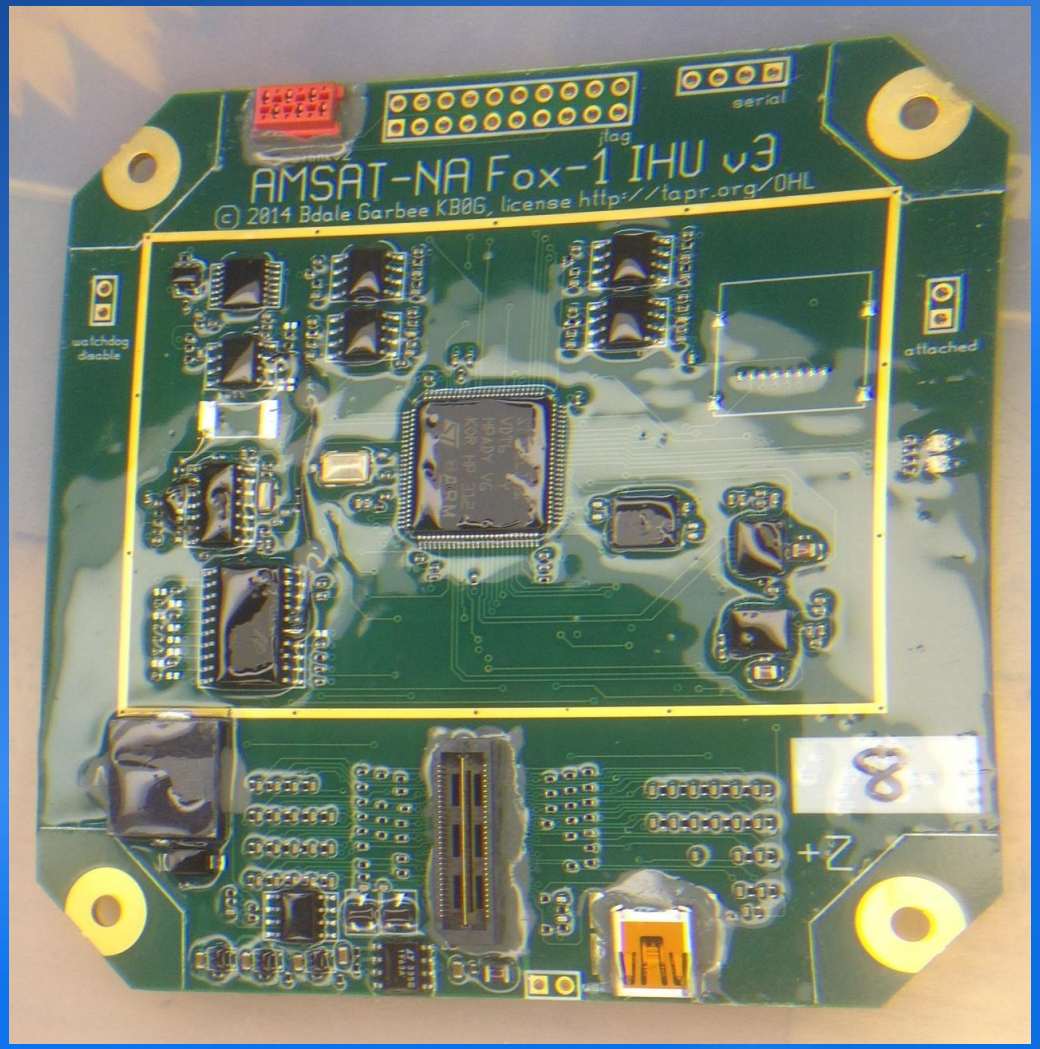



Battery2-3






AMSAT-NA FOX-1 PSU
V1.07
© 2014 K4OZS
SN3


AMSAT-NA Fox-1 IHU v3
© 2014 Bdale Garbee KB0G, license http://tapr.org/OHL
jtag
serial
watchdog disable
attached
8
+Z

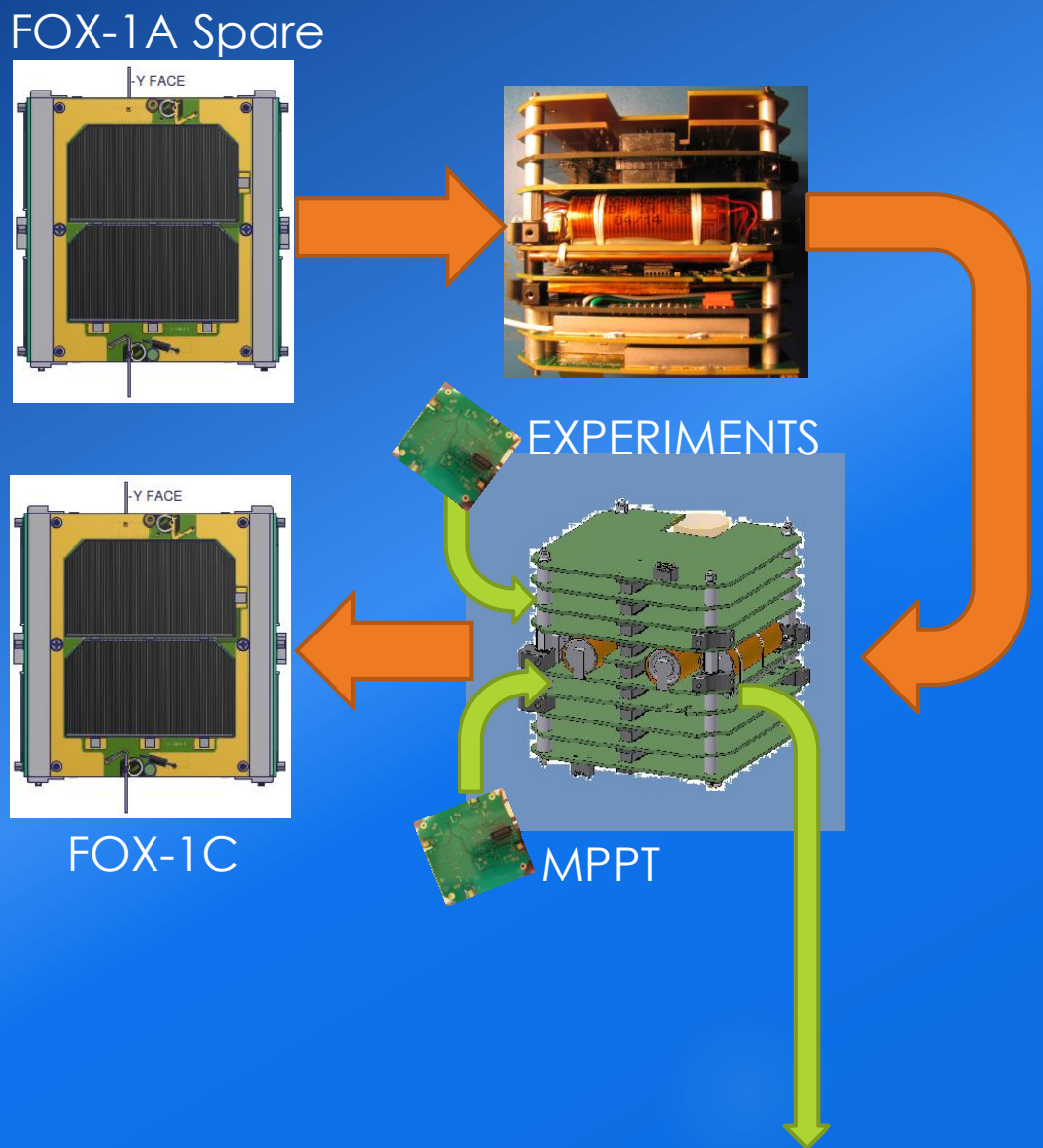
Fox-1 CubeSat Platform in Production

Fox-1A flight spare will be reused for Fox-1C (diagram)

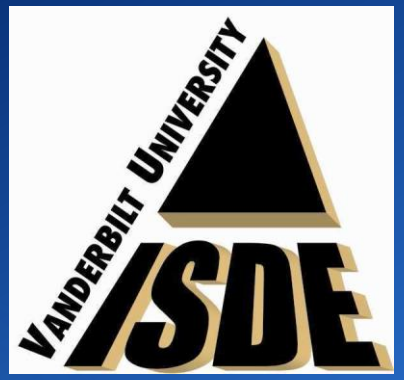
Additional Fox-1 base avionics hardware will be built for Fox-1B and Fox-1D

New MPPT will be incorporated in Fox-1B, C, D

System PCBs and structure hardware already manufactured



Fox-1B "RadFXSat"



- Mission: To assess the radiation reliability and survivability of advanced semiconductor components.
- AMSAT teamed with Vanderbilt University to fly an experiment developed by Vanderbilt with the Fox-1 FM repeater and avionics.
- AMSAT provides the RF link for telemetry from the experiment.
- Data is sent while the repeater is active, allowing both experiment and amateur radio activity at the same time
- Launch Date: est. 2016 – sponsored by NASA as part of ELaNa program

Fox-1C Launch Secured

- Spaceflight Systems' SHERPA Hosted Payload - inaugural flight
- Launch: 3Q 2015
- Sun-synchronous orbit
- Payload includes Fox-1C FM repeater with proposed STEM/Educational experiments from Virginia Tech/ARRL and Vanderbilt University

Fox-1D In The Wings

- Initially, the flight spare for Fox-1C
- Will be tested and ready
- Experiment space available
  - Inquire Within
- ELaNa 2015 proposal