CAPITOL
Technology University

CACTUS-1

We provide these documents to support the CubeSat community.

Specific citations and history are given for each component as follows:

Cactus-1 proposals and mission overviews
A. Antunes, R. Schrenk, R. P. Smith, A. Walters, R. Maharaja, M. Horvath

Hermes payload (on Cactus only-- for Hermes sounding rockets, see Maharaja) by C. Murray, E. Schroen (power Board design), Carlos Del Cid, R. Maharaja, P. Smith, IP rights retained by R. Maharaja

Trapsat payload by R. Schrenk, K. Moore, Z. Richards, M. Strittmatter, A. Walters, R. P. Smith, IP rights retained by R. Schrenk

3U++ Tabbed Frame: by R. P. Smith, R. Schrenk, provided under an open hardware license

Pi-CPU/Health & Safety Boards: by R. P. Smith, A. Antunes, provided under an open hardware license

Power bus: by R. P. Smith, G. Auvray, C. Odigwe, A. Antunes, R. Schrenk

Solar: (Added this because power and solar have different aspects (i.e. licensing to use))
by R. P. Smith with assembly help from George Gieomekis, Marcus Bailey, Sam Lawson, Nick Keller, Sarah Sharpe, Alex English, Nick Aniello, Chris Finch

Passive Magnetics: by E. Routhier, B Reese , R. P. Smith with help by Ian Hastings, Christina Williams

Flight software by A. Antunes with help by Randy Powell, Zalika Dixon, and thanks to Alan Cudmore for useful discussion on his "PiSat" concept

Thermal blankets by R. Schrenk with help by Sarah Sharpe, Marcus Bailey, and George Giakoumakis

Comms: by M. Horvath, A. Johnson, A. Antunes

Burn wire, foot switches, inhibits, ports, and subsystems not mentioned: considered either part of the above, part of the general Cactus mission, or not sufficiently novel to merit publication or separate enumeration.

Full list of high-level support (addendum):
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