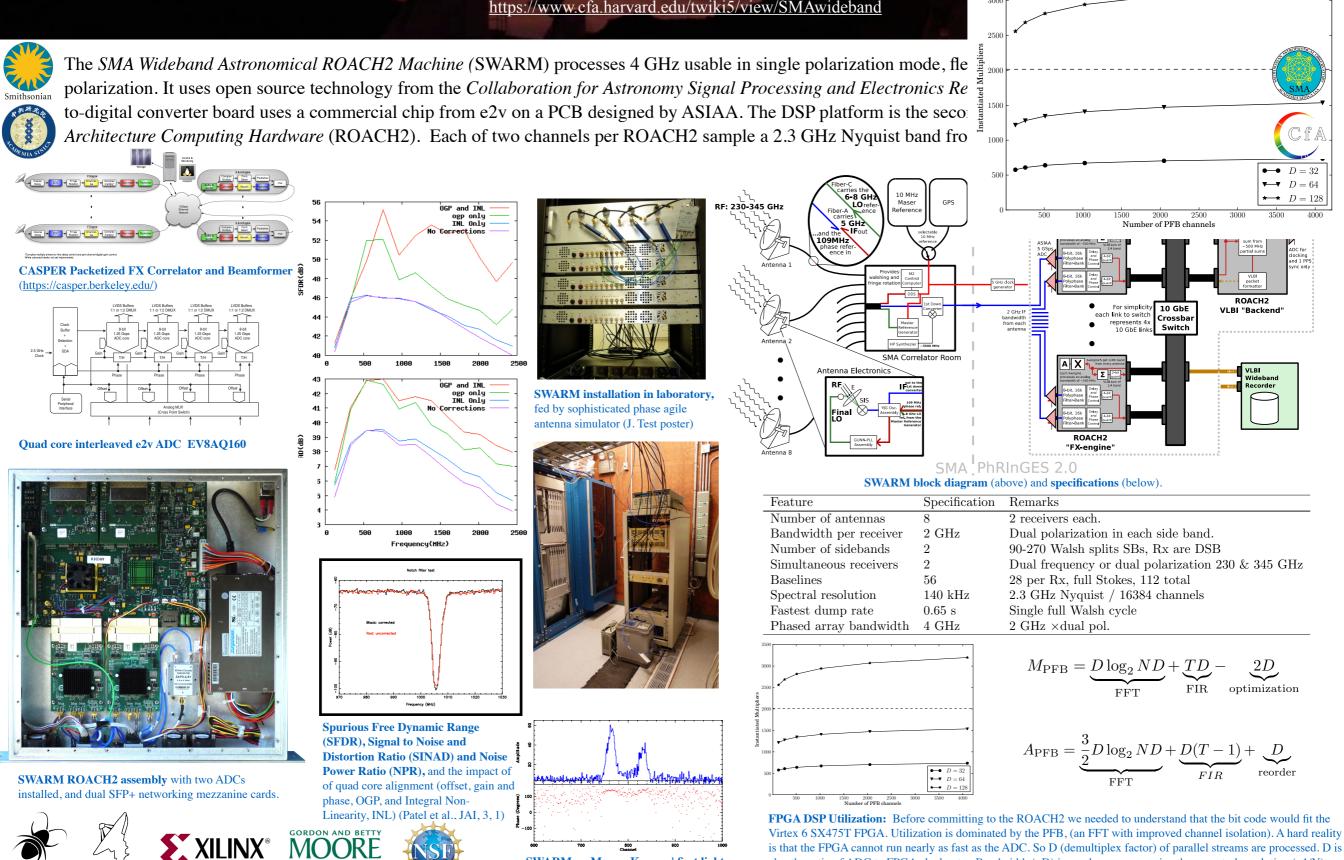
## SWARM: A Compact High Resolution CASPER Correlator and Wideband VLBI Phased Array

SWARM Development Team, SAO & ASIAA & SMA, Cambridge, MA and

https://www.cfa.harvard.edu/twiki5/view/SMAwideband



SWARM on Mauna Kea, and first light

fringe on maser source MWC349.

also the ratio of ADC to FPGA clock rate. Bandwidth (~D) is much more expensive than spectral resolution (~1/N).

See https://www.cfa.harvard.edu/twpub/SMAwideband/MemoSeries/sma\_wideband\_utilization\_1.pdf