

Task	Current status	Milestone A	Milestone B	Milestone C	Current Funding	Required Funding	Date TRL5 achieved
3-color arrays $\nu < 90$ GHz	See Table 5.1	Field demo of 30-40 GHz (2020)	Lab demos 20-90 GHz (2022)		APRA & SAT funds	\$2.5M over 4 yr (1 APRA +1 SAT)	2022
3-color arrays $\nu > 220$ GHz		Field demo of 150-270 GHz (2021)	Lab demos 150-460 GHz (2022)		APRA & SAT funds	\$3.5M over 4 yr (2 SATs)	2022
Direct absorbing arrays $\nu > 550$ GHz		Design & prototype of arrays (2021)	Lab demo of 555 GHz (2022)	Lab demo 799 GHz (2023)	None	\$2M over 5 yr (1 SAT)	2023
Cosmic ray studies	250 mK w/ sources	100 mK tests with sources (2021)	Beamline tests (2023)		APRA & SAT funds	\$0.5-1M over 5 yr (part of 1 SAT)	NA
Fast readout electronics	MUX66 demo	Engineering and Fab of electronics (2020)	Lab demo (2021)	Field demo (2023)	No direct funds	\$2.5M over 5 yr (1 SAT)	2023
System engineering/ 128x MUX demo	MUX66 demo	Design of cables (2020)	Lab demo (2021)	Field demo (2023)	No direct funds		