

0,001° & 2 PPM resolution for research projects on distribution grid, microgrid stability

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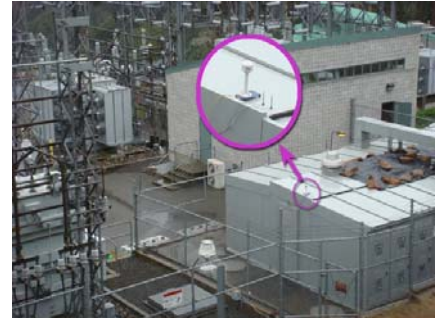
PQube 3 MicroPMU Highlights

- 0,001° resolution
- 2 PPM resolution
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- Reference instrument for University of California at Berkeley's Quasar synchrophasor research software, optimized for synchrophasor research on distribution and microgrids
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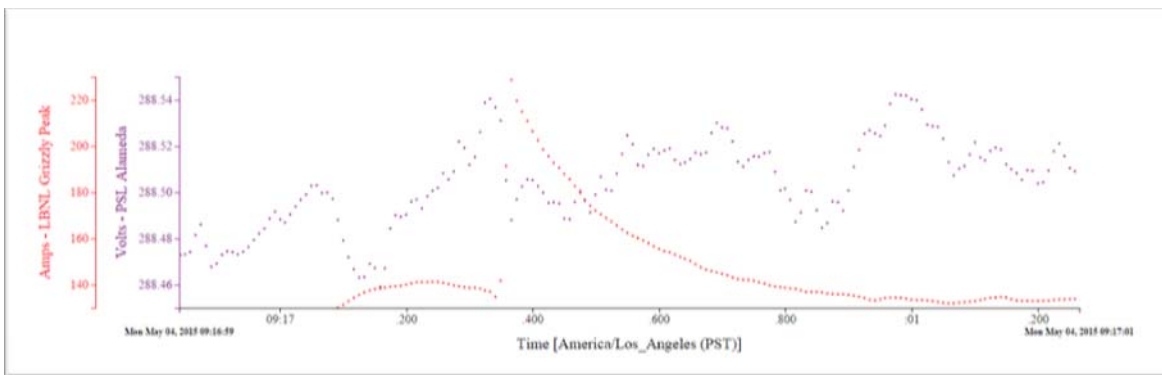
U.S. Government ARPA-E Research Project on Micro-Synchphasors

(Award No. DE-AR0000340)

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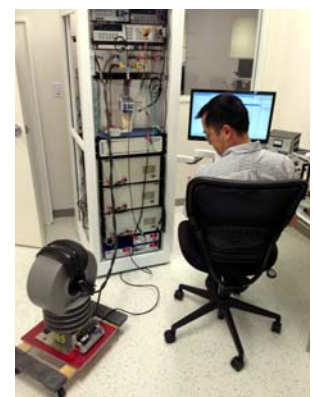
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A small current surge at Lawrence Berkeley National Lab lowers the voltage at PSL, 40 km away. The microPMU's precise time synchronization and ultra-high resolution is necessary to see these kinds of relationships in a distribution grid. Data see here through the web interface of U.C. Berkeley's open-source Quasar software.

PT's, CT's and Micro-Synchphasors

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Micro PMU Specifications

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U hUy

PHASOR MEASUREMENTS

Phasor Measurement Method	=	-	8ho hho
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TVE (Total Vector Error)	u	ut-	
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Streaming output

On-board Storage

MAINS MEASURING CHANNELS

Amplitude resolution	7o	hhU	-
Amplitude Accuracy (±% rdg + ±% FS)	u	† -	†° # QV
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Angle resolution

Angle Accuracy

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Measurement Channels	O - --	O	=	# ° h j k #
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Order Information