

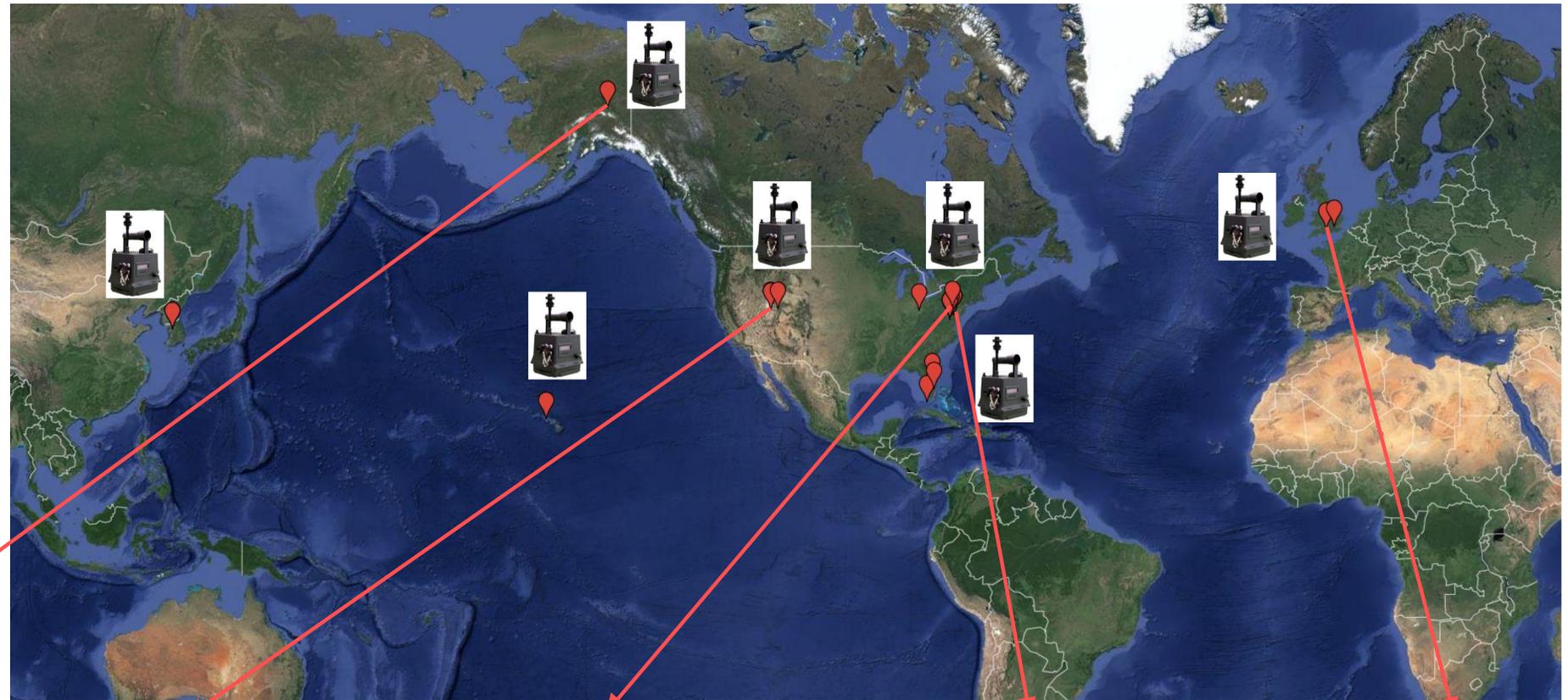
TACBIO Overview

- Developed at ECBC by the SSAT Branch, Battlefield Integration Branch, and ADM.
- Tested by many groups, including Army Corps of Engineers, JUPITR, JPM NBC CA, Dugway, Battelle, Dstl, JHU-APL, JHU Hospital, and Penn State Hershey Medical Center.
- Funded by DTRA and DARPA; used as a testbed for CCSI & JWARN and for experimental Deep-UV LEDs.
- Two patents pending related to the use of plastic in a fluorescence-based biodetector.



Fort Greely, Alaska

- Army Corps of Engineers ERDC
- February 2014



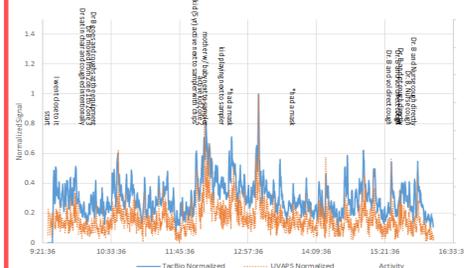
Dugway Proving Ground

- SK Challenge 2014 & 2015
- Two chamber tests
- JUPITR outdoor testing



Hershey Medical Center

- Hospital pulmonary clinic
- Continuous data, including during building renovations



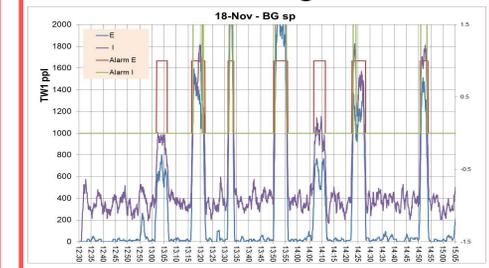
ECBC (at building or test range)

- Outdoor network test demo
- Aerosol chamber testing
- Outdoor background testing



Dstl (large chamber)

- Environmental background
- Controlled air mixing
- Ambient testing



Specifications

Particle Size	< 2 um
Concentration	< 200 ppL
Time to Detection	<1 min
Weight	3 lbs 3 oz
Size	12" x 6" x 8"
Power	24 VDC / Battery powered
Communication	CCSI compliant USB, Ethernet, RS-232
Data Storage	Internal SD Card
Cost	~\$2k in large quantities

