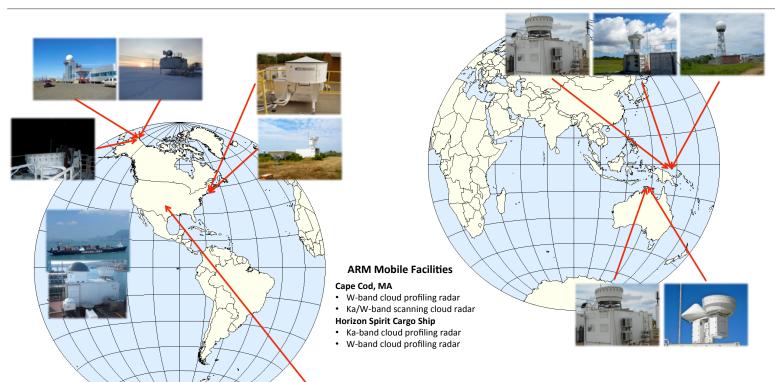


Overview of ARM Cloud/Precipitation Radars



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The DOE ARM Program is currently operating a network of 25 radars around the world. Frequencies for these radars include C, X, Ka, and W bands. Data for these radars are available from the ARM Archive. In addition to raw radar data products, ARM also provides "value-added data products" including Cartesian coordinate mapping of radar moments, combining multiple sensors (radars, microwave radiometers, and lidars) to produce a time series vertical distribution of cloud hydrometeors.



ARM New Sites (2014)

- · Ka-band cloud profiling radar
- Ka/W-band scanning cloud radar
- X-band dual-pol radar

Oliktok Point, AK (mobile facility)

- Ka-band cloud profiling radar
- Ka/W-band scanning cloud radar
- C-band dual-pol radar

ARM Fixed Sites

SGP Oklahoma

- · Ka-band cloud profiling radar
- · Ka/W-band scanning cloud radar
- X-band dual-pol radars (3)
- · C-band dual-pol radar

Barrow, AK

- · Ka-band cloud profiling radar
- · Ka/W-band scanning cloud radar
- X-band dual-pol radar

Manus, Papua New Guinea

- · Ka-band cloud profiling radar
- · X/Ka-band scanning cloud radar
- · C-band dual-pol radar

Darwin, Australia

- · Ka-band cloud profiling radar
- · X/Ka-band scanning cloud radar