



Aircraft Geometric Height Measurement Element (AGHME)

History and Recent Updates



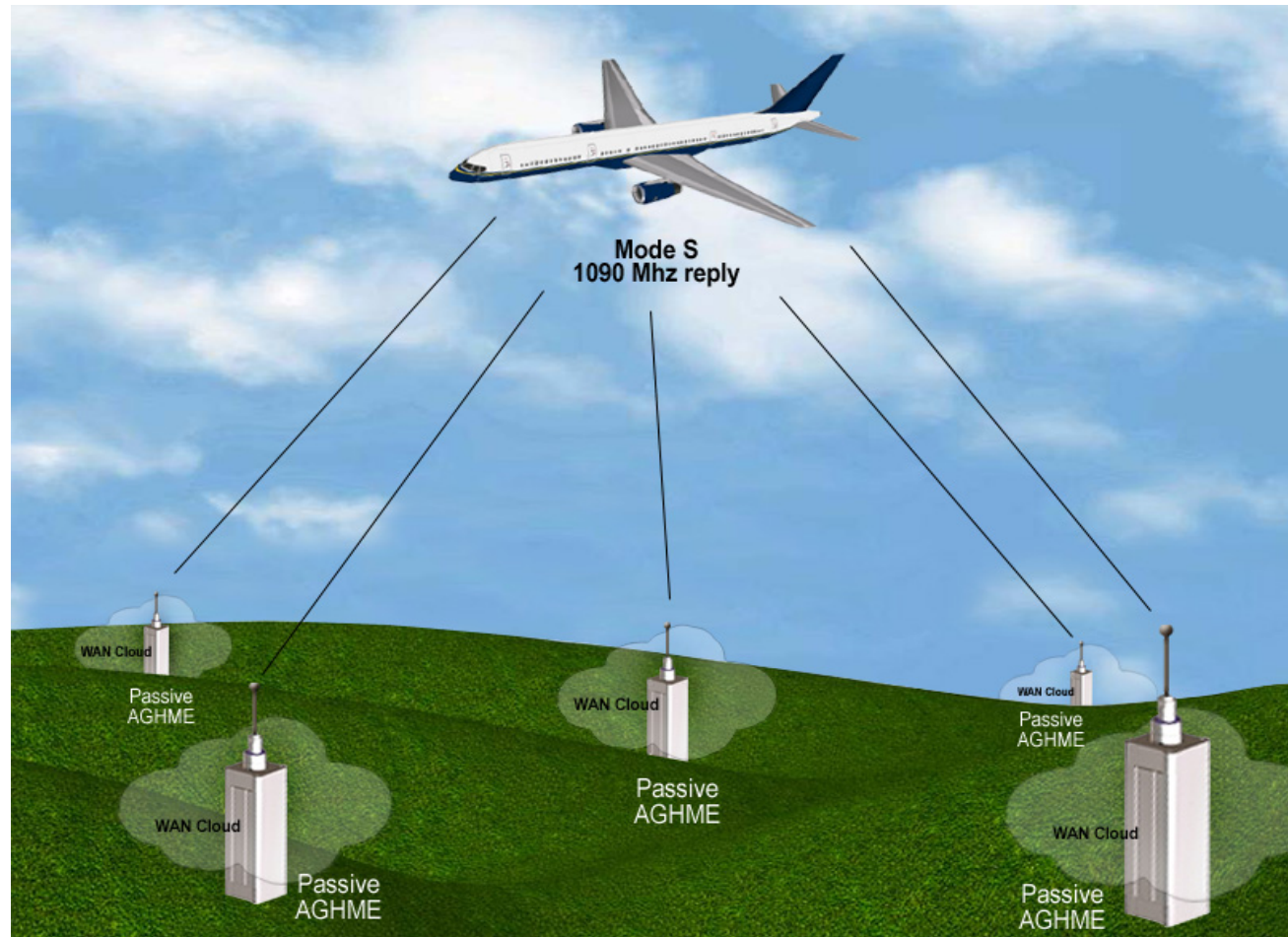
FAA



Federal Aviation
Administration

Aircraft Geometric Height Measurement Element (AGHME) Basic Design

- ☐ Passive
- ☐ Multilateration
- ☐ Receive Mode-s
- ☐ Decode and Timestamp Mode-S
- ☐ Archive and Disseminate Mode-S
- ☐ Post-process ASE at WJH FAA Tech Center



FAA

NextGEN

Aircraft Geometric Height Measurement Element (AGHME) Basic Design

- ☐ Trailer
- ☐ Chiller Rack
- ☐ Antenna mast



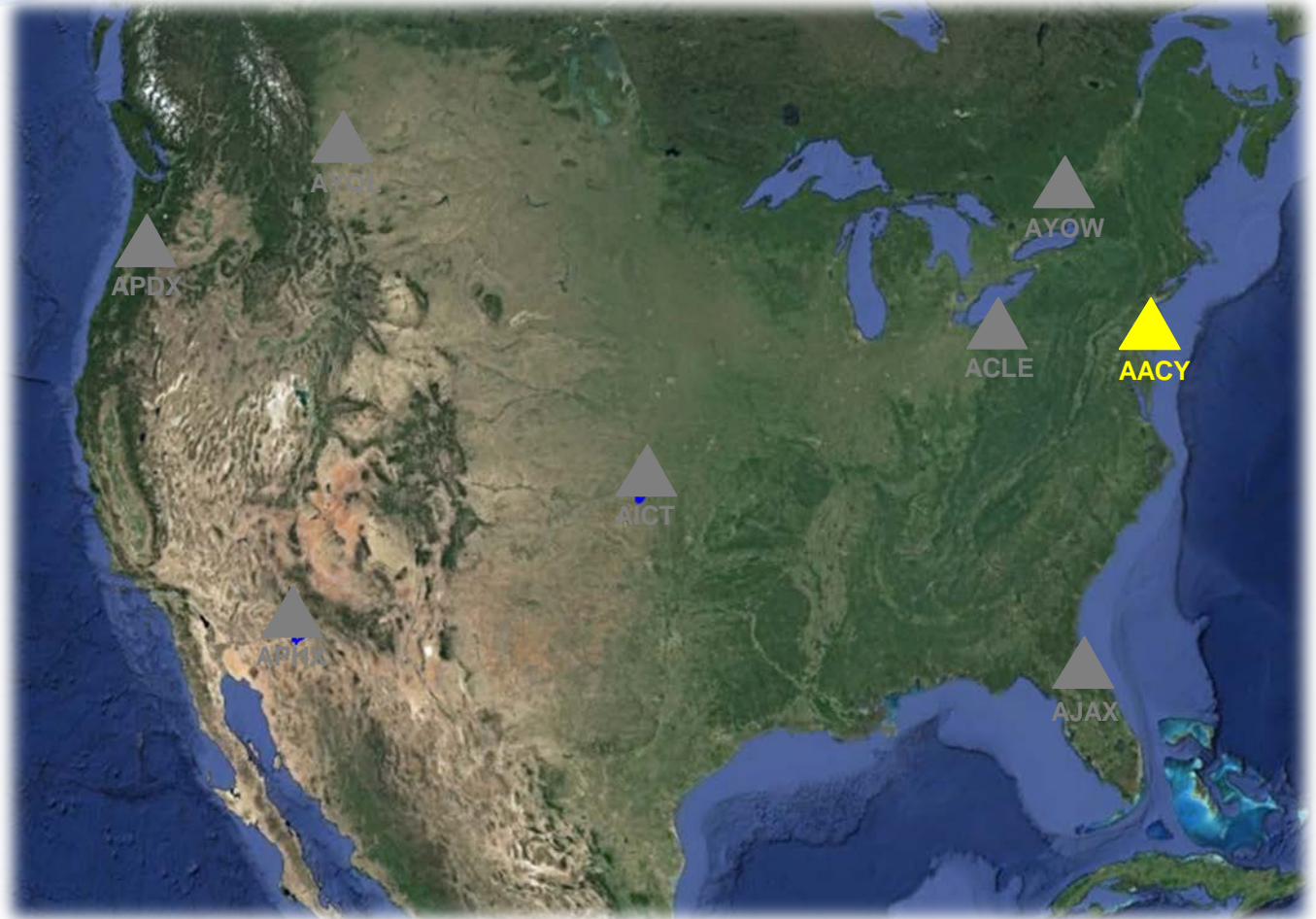
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Next**GEN**

Aircraft Geometric Height Measurement Element (AGHME) Installation

- ☐ Atlantic City, NJ (AACY)
- ☐ Wichita, KS (AICT)
- ☐ Cleveland, OH (ACLE)
- ☐ Ottawa (AYOW)
- ☐ Lethbridge (AYQL)
- ☐ Phoenix, AZ (APHX)
- ☐ Portland, OR (APDX)
- ☐ Jacksonville, FL (AJAX)

- ☐ 2002-2004 Development
- ☐ 2017 Time source change
- ☐ 2017 Mode-S antenna change



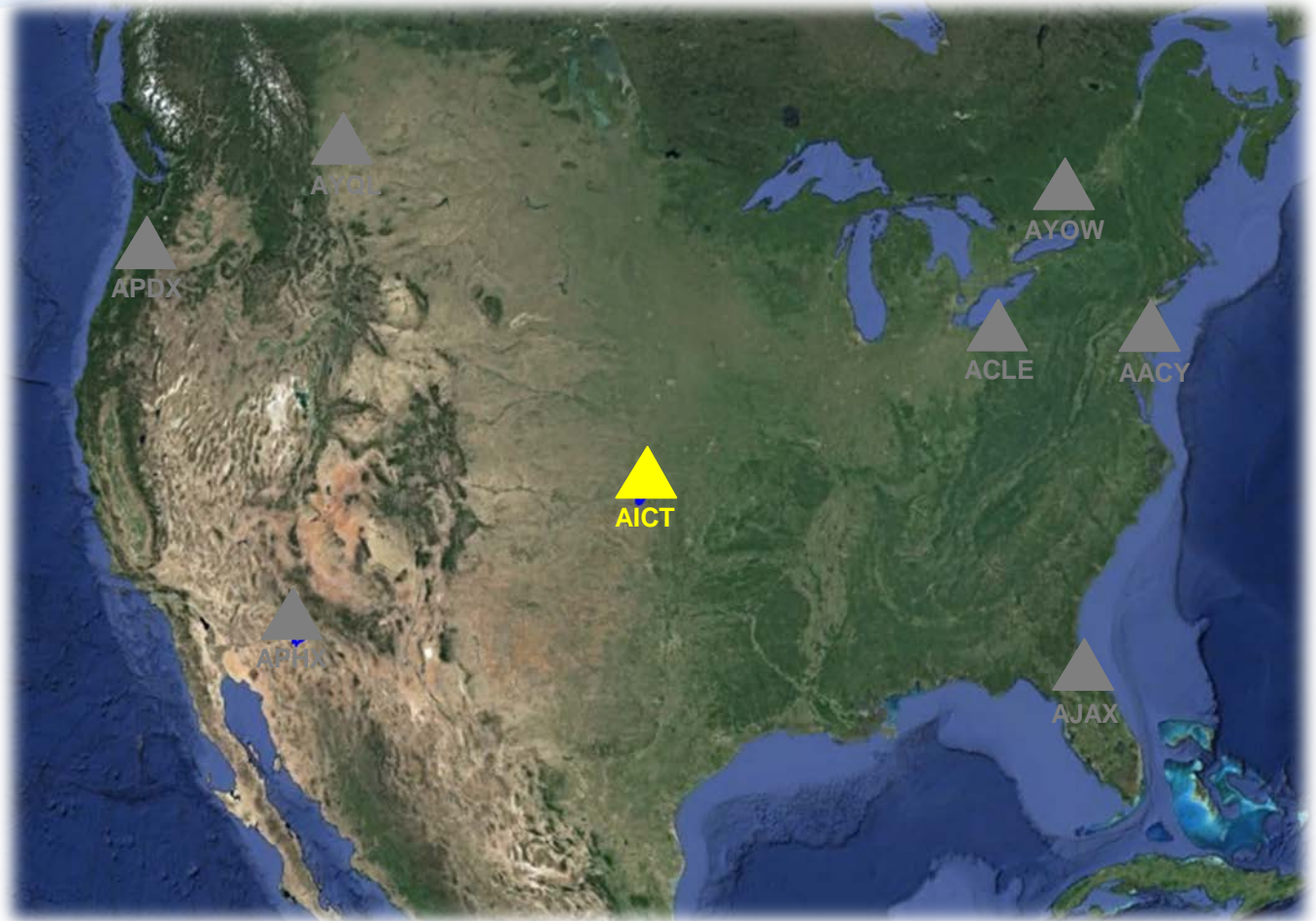
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- ☒ 2004 Installation
- ☐ New node location



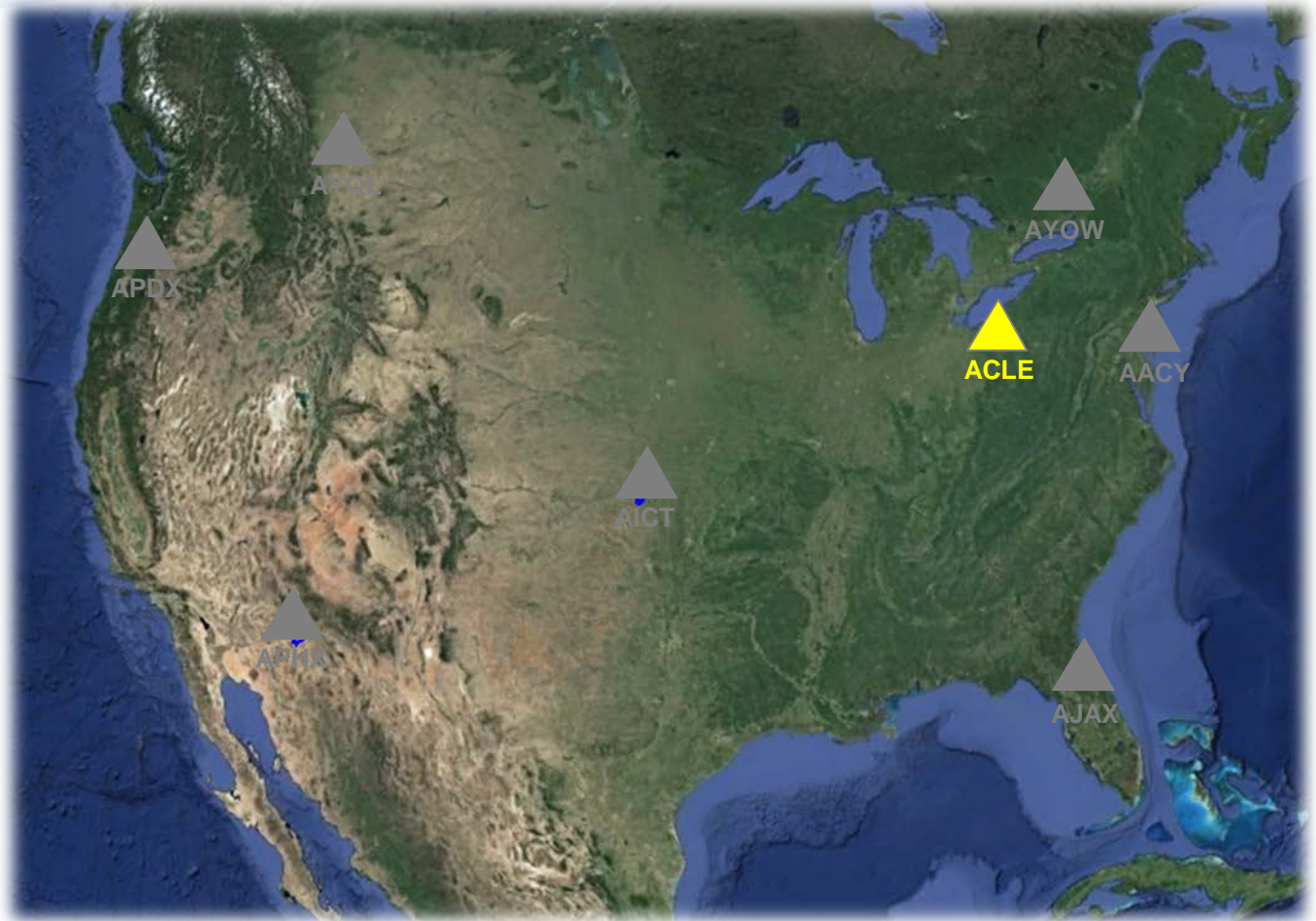
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- ☒ **2005 Installation**
- ☒ **2016 Decommissioned**



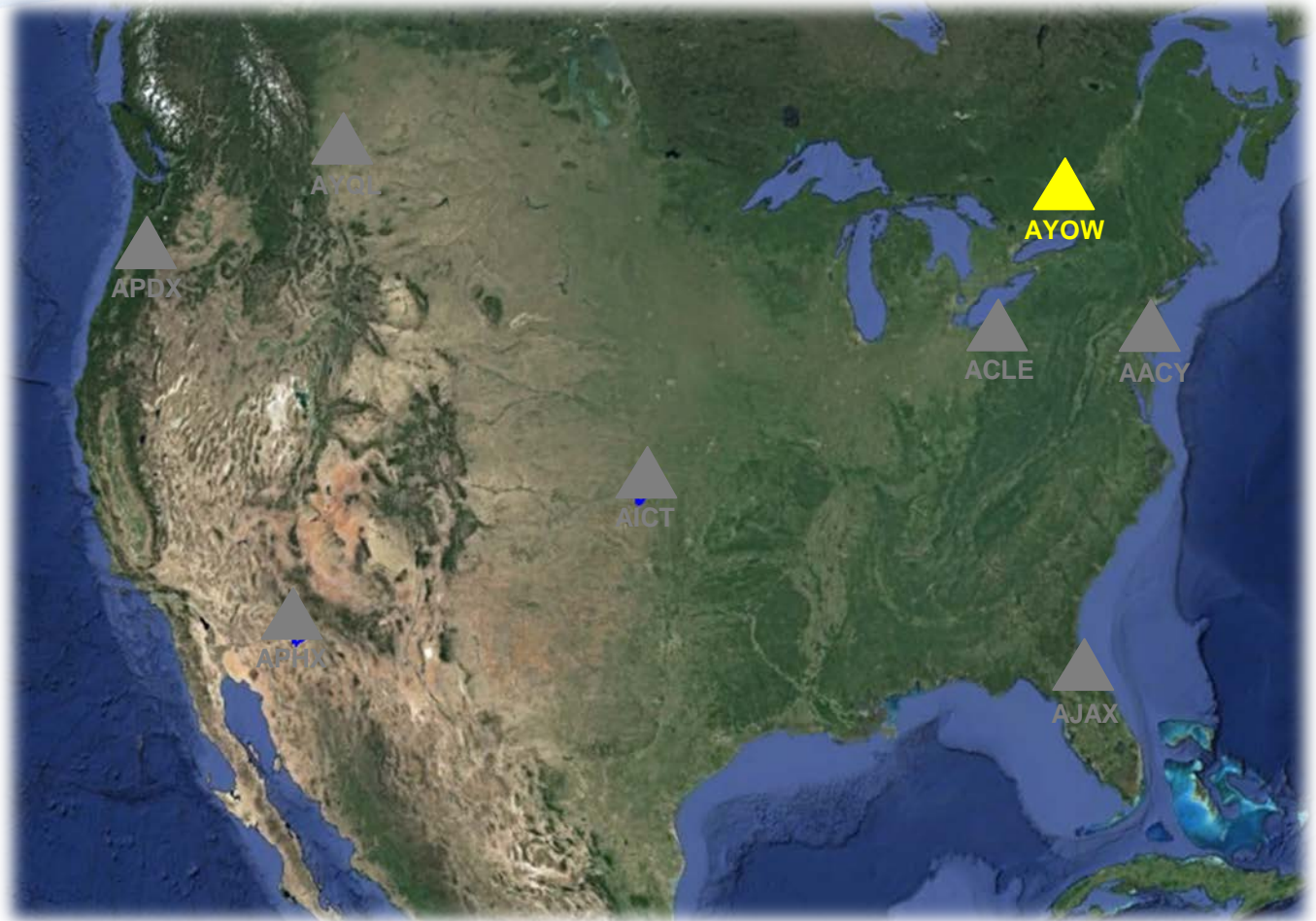
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- ☒ **2006 Installation**



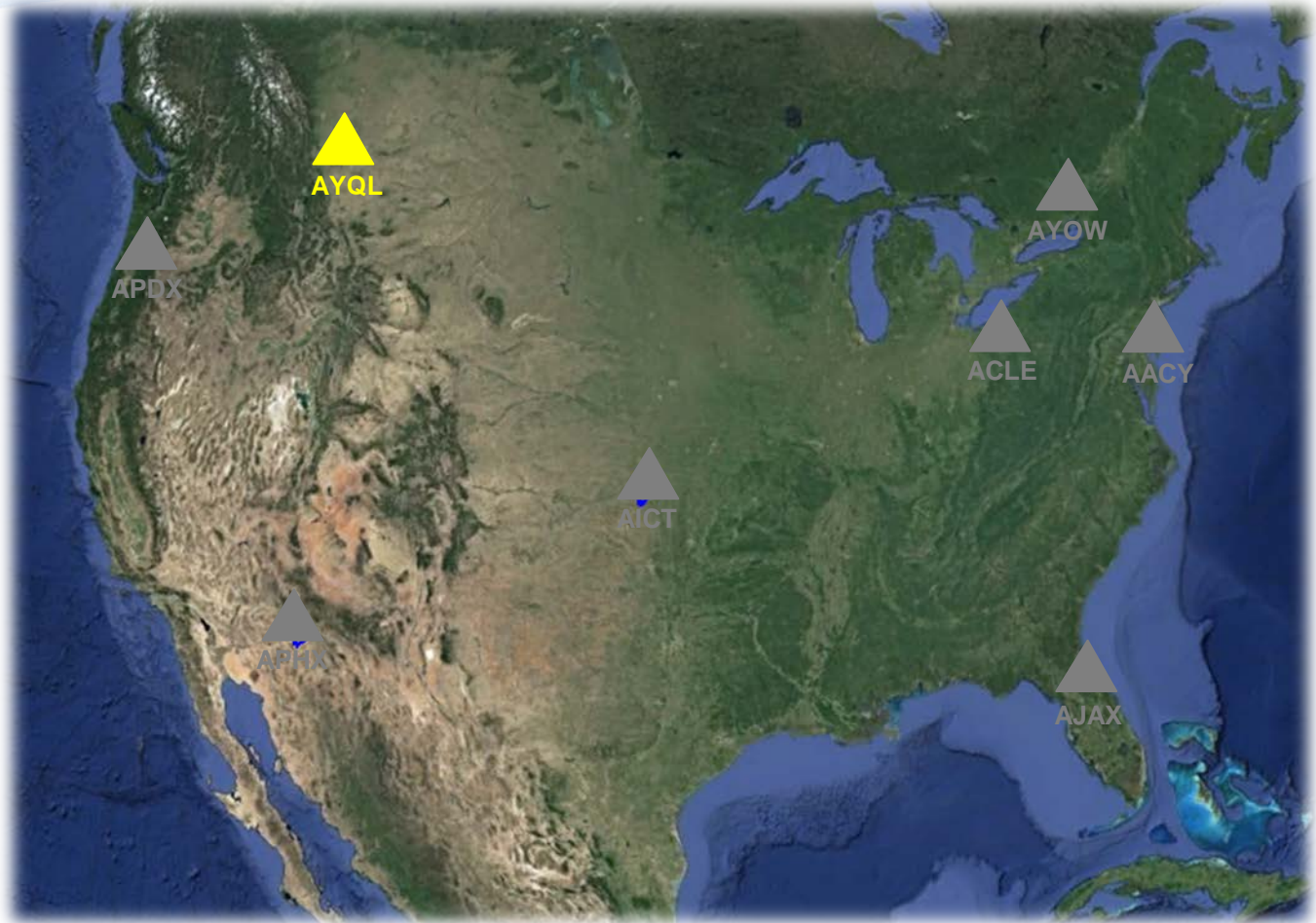
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- ☒ 2006 Installation



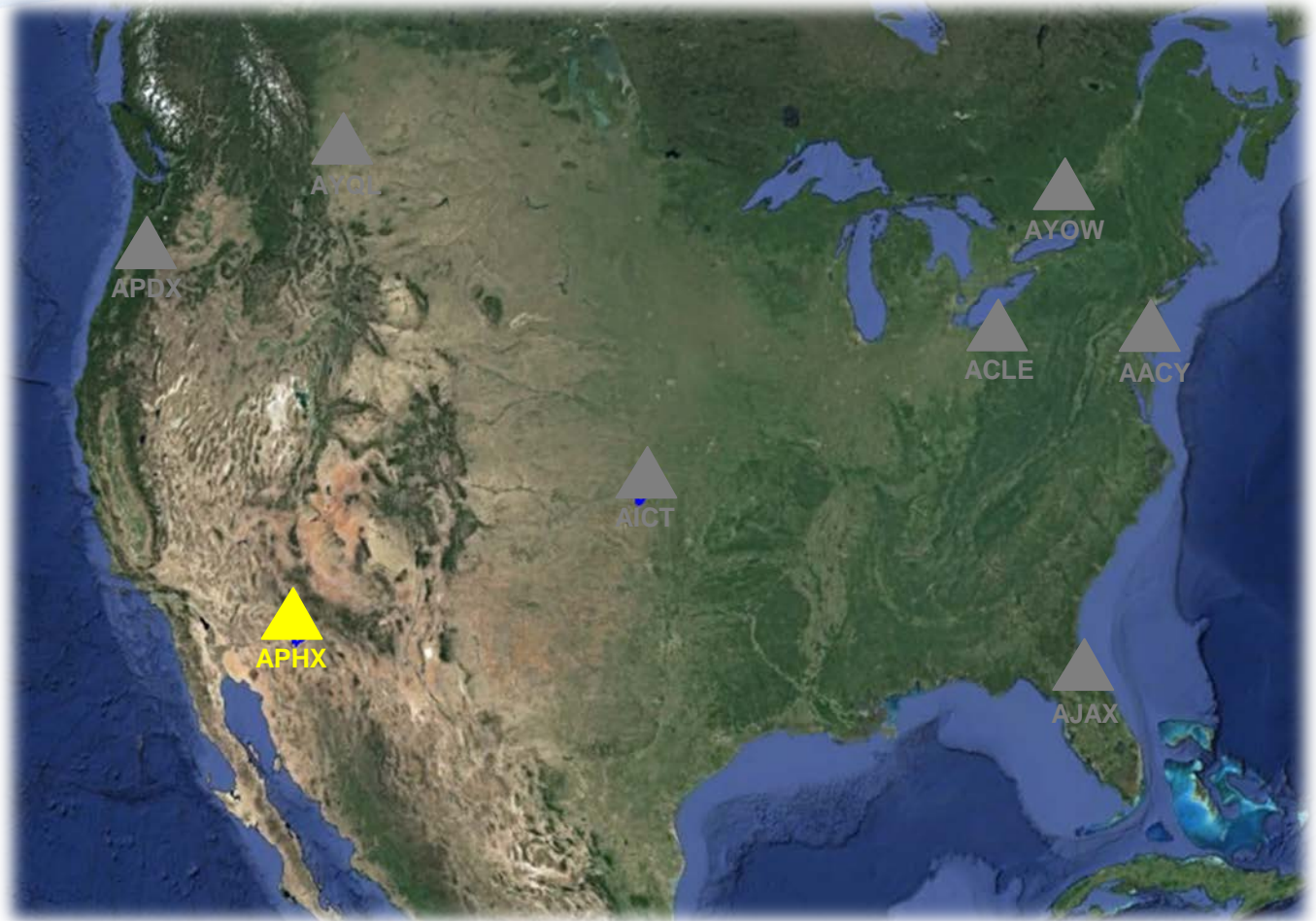
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- ☒ 2009 Installation
- ☒ 2017 New node location
- ☒ 2017 Mode-S antenna change



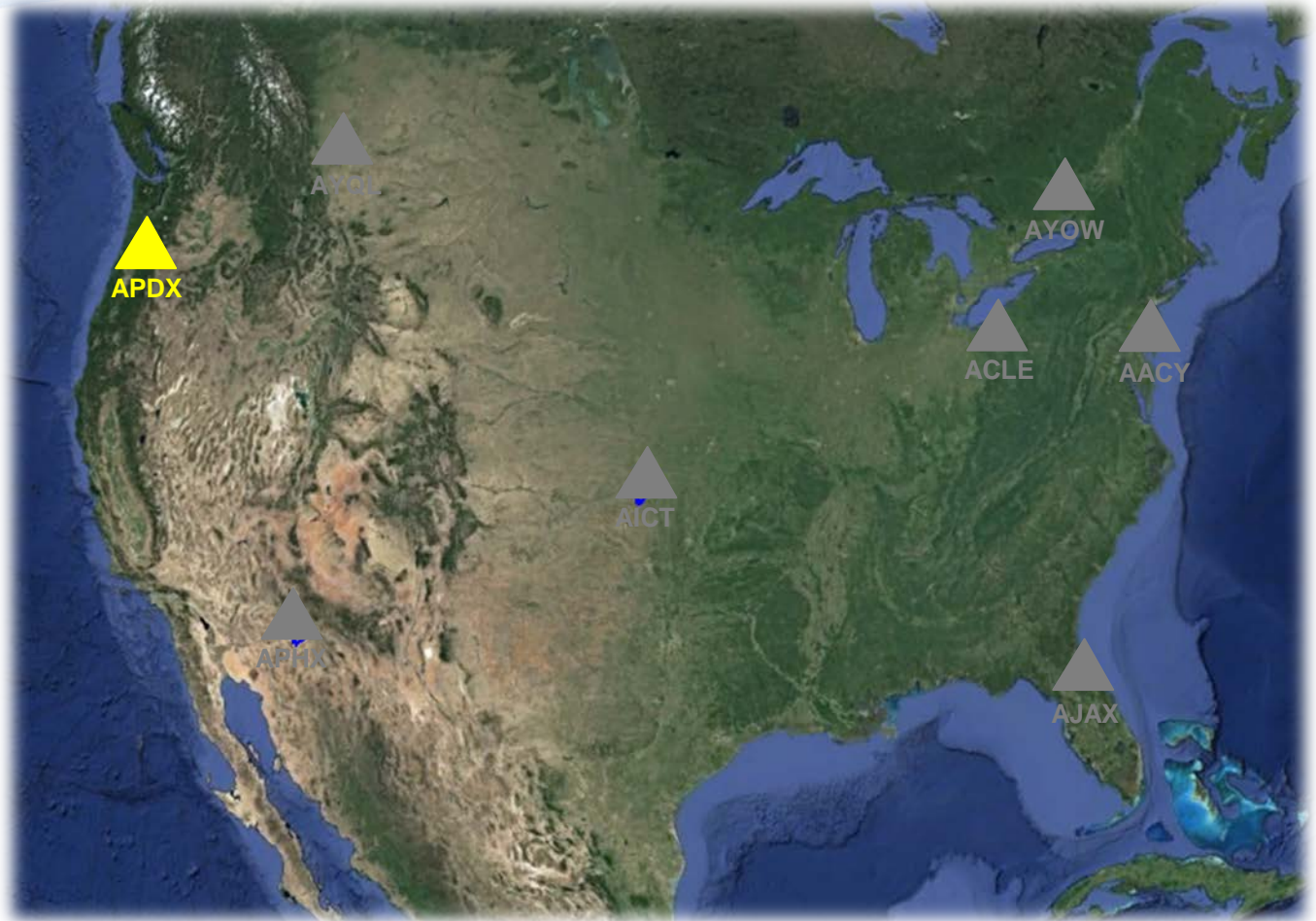
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☐ 2013 Installation



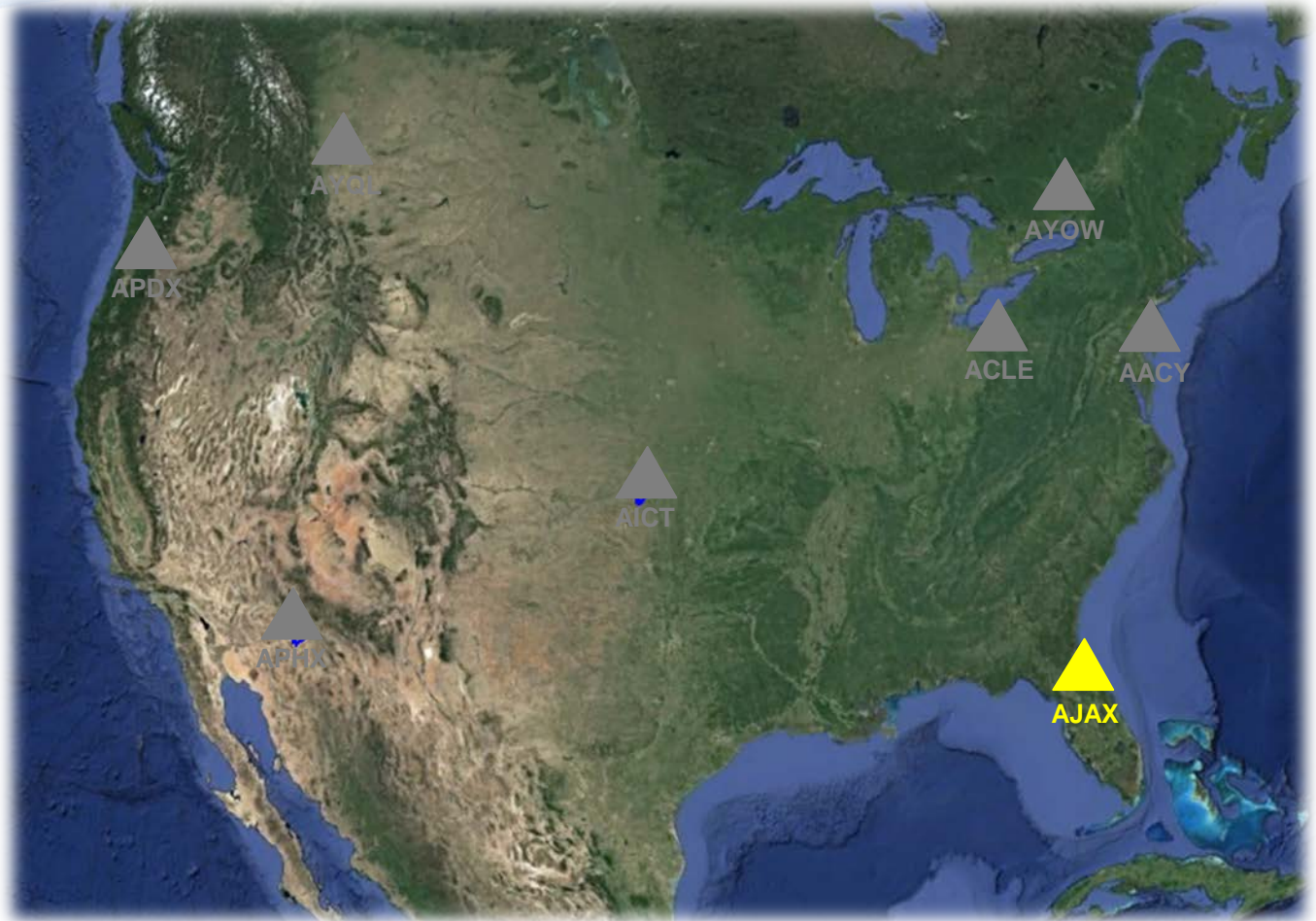
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- ☐ 2018 Planned Installation

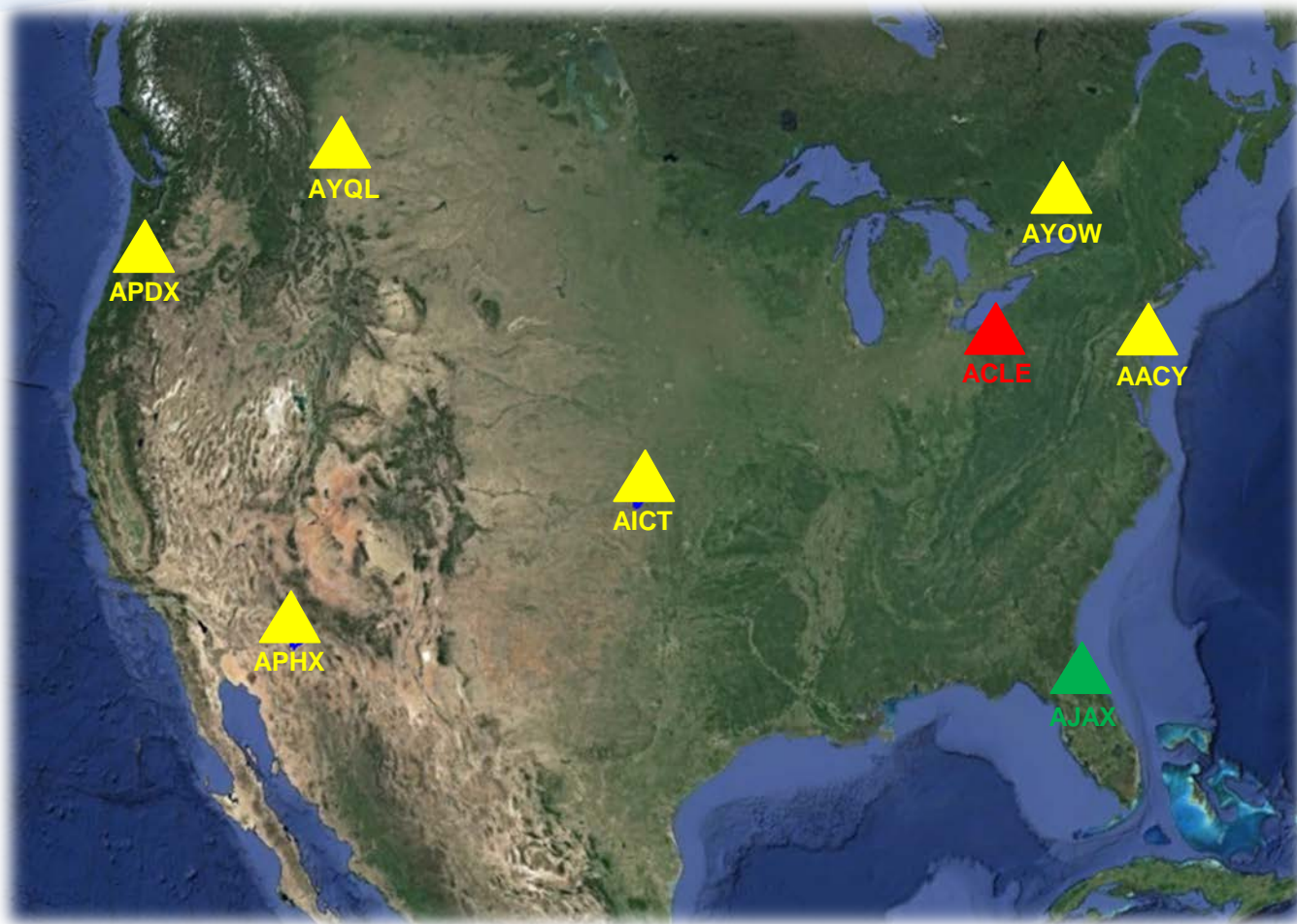


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- ☐ Phoenix, AZ (APHX)
- ☐ Portland, OR (APDX)
- ☒ Jacksonville, FL (AJAX)
- ☐ AGHME continuing for 5 years



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