# ARM Facility Radiosonde Operations and Improvements – Moving Toward the RS41 Radiosondes

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# ARM DigiCORA MW41 Upgrades

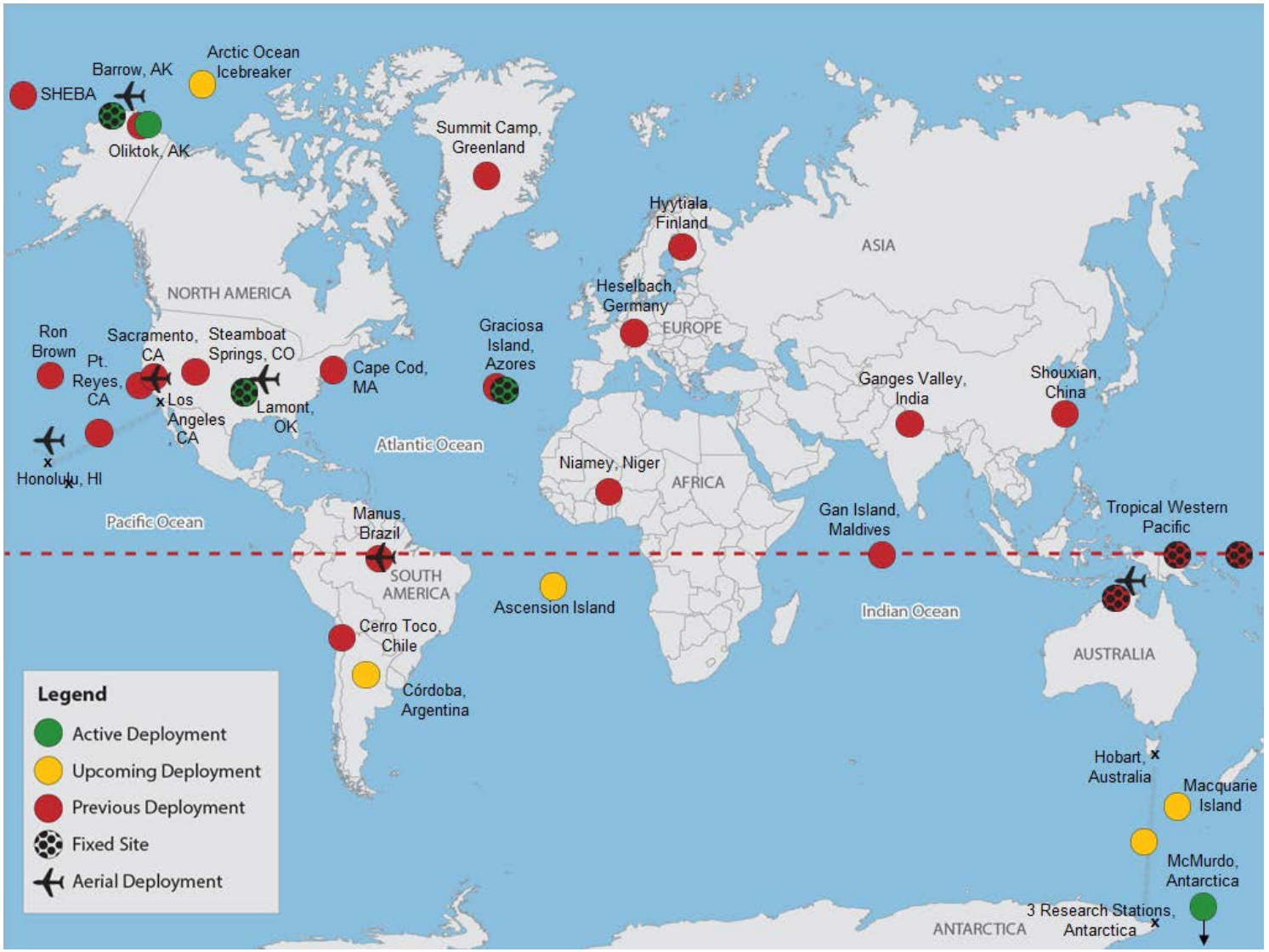
- 8 - MW31 systems: Received approval to purchase MW41 upgrade
- 3 - MW21 systems: Awaiting approval to purchase/trade-in MW41 upgrades
- Autosonde (Barrow, AK): Requested quote from Vaisala for MW41 upgrade cost

- MW41 Hands-on Training for ARM BBSS Mentors
  – May 17, 2016 at Vaisala Woburn, MA office

- Official transition to RS41 radiosondes to be determined

All ARM Sites
7,000 – 8000 launchers per year

# ARM Site Locations



# ARM Radiosonde Operations Upgrades

- Possible addition of two additional launches (0 and 12Z) at Barrow, AK
- Expand Autosonde deck at Barrow,AK to accommodate hydrogen generator, expected completion by end of 2017

- Added high-resolution, 2-sec BUFR messages at SGP site (TEMPA-D currently)
- Researching costs to upgrade to 600g balloons/larger launcher cart to achieve burst above 10hPa
- Proposing addition of Standard Humidity Chamber (SHC) to Southern Great Plains (SGP) site in Oklahoma
- MAWS operational at SGP, pending installs in May 2016 at ENA, OLI
- Field Campaign proposal from GRUAN to fund one-year, weekly dual (RS92/RS41) launch study at SGP?