Updates from the AmeriFlux Management Project Tech Team

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AmeriFlux is a network of more than 250 sites where ecosystem CO2, water, and energy fluxes are measured by the eddy covariance method. AmeriFlux is also a network of the tower PIs and thousands of scientists who use the data, to study terrestrial ecosystems and quantify their role in global environmental change. The AmeriFlux Management Project (AMP) Data Team serves the network with technical support (the subject of this poster), data support, outreach, and maintaining a set of long-term sites.

The AmeriFlux Management Program (AMP) Tech Team at LBNL strengthens the AmeriFlux Network by (1) standardizing operational practices, (2) developing calibration and maintenance routines, (3) setting clear data quality goals, and (4) assessing instruments and new tools. In this poster we will present results and recent progress in four areas:

- Sonic anemometers firmware problem in commonly used Gill Sonic anemometers.
- Unmanned aerial systems (UAS), and sensors systematically used at AmeriFlux sites to improve site characterization.
- IRGA intercomparison for flux measurements (LI-COR, Picarro, and Campbell Scientific), see also poster by Polonik et al.
- New calibration services and lessons learned during site visits