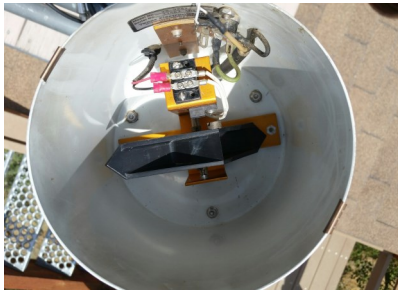




# FROM THE AIR PROGRAM

## Updates to rain measuring equipment

In August 2017, the Air Program installed some new components to the Tribe's precipitation measuring system, and performed a series of standard calibrations and verifications on the new equipment, with great results. The installs included a National Weather Service-provided manual gauge, and a factory-calibrated tipping bucket for an electronic gauge. This is an industry-standard device that delivers an electronic signal each time it counts a known quantity of water, which then gets converted into precipitation units (inches), to be totaled by the Tribe's data systems. The gauge is also heated to achieve continuous real-time monitoring during periods of snow.



During the monsoon rain events that followed on 8/3 and 8/4, it was verified that the Tribal station received .36" and .045" respectively.

Pictures: Left: the "guts" of the rain gauge, for those of you who like to see how things work. Right: This manual gauge is designed to measure and display readable hundredths of inches precisely, using an inner tube with 10x amplified scale for its reduced volume. For anyone interested in conducting their own precipitation monitoring, these gauges are highly recommended and endorsed by the National Weather Service. Weather enthusiasts can take it a step further and join a national network of volunteer monitors who use these gauges and contribute the readings they collect to the network. For more info see <https://www.cocorahs.org/>



The Tribe's data can be viewed at [http://www.bishoptribeemo.com/index\\_air.htm](http://www.bishoptribeemo.com/index_air.htm)