

2017 Cooperative Tower Network Overview and Insights

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Partnerships with external collaborators have enabled the NOAA-ESRL-GMD Tower network to maintain 13 tower sites with regular flask samples and 9 sites with continuous insitu CO₂, CO sites for nearly a decade.

Also, three sites include continuous Methane measurements. A summary of the hardware and an overview of the overall trends and some unique characteristics of a few sites is highlighted. Seasonal cycles in CO₂ across the network are shown covering since its inception. Relationships with climate conditions and anomalies such as drought are explored.



Figure 1. Air Intake at West Branch Iowa Tower