

Supporting Information for Data Files:

- gga_2018-09-10.txt
- gga_2018-09-11.txt
- gga_2018-09-16.txt

Data Collection Information:

- Hunting Bubbles Cruise, R/V Falkor Cruise ID: 180824, August – September 2018
- Chief Scientists: Anna PM Michel¹ and Scott D. Wankel¹
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Authors of this data set:

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Data recorded on the ChemYak using a Los Gatos Research Greenhouse Gas Analyzer

Column Name	Description
Time	Time of data collection
[CH4]_ppm	Methane concentration (parts per million)
[CH4]_ppm_sd	Standard deviation of the methane concentration measurement (parts per million)
[H2O]_ppm	Water vapor concentration (parts per million)
[H2O]_ppm_sd	Standard deviation of the water vapor concentration measurement (parts per million)
[CO2]_ppm	Carbon dioxide concentration (parts per million)
[CO2]_ppm_sd	Standard deviation of the carbon dioxide concentration measurement (parts per million)
[CH4]d_ppm	Dry methane concentration (parts per million)
[CH4]d_ppm_sd	Standard deviation of the dry methane concentration measurement
[CO2]d_ppm	Dry carbon dioxide concentration (parts per million)
[CO2]d_ppm_sd	Standard deviation of the dry carbon dioxide concentration measurement
GasP_torr	Gas cell pressure in Torr
GasT_C	Gas cell temperature (°C)
GasP_torr_sd	Standard deviation of the gas cell pressure in Torr
GasT_C_sd	Standard deviation of gas cell temperature (°C)
AmbT_C	Ambient temperature in (°C)
AmbT_C_sd	Standard deviation of the Ambient temperature in (°C)
RD0_us	Ringdown time (microseconds)
RD0_us_sd	Standard deviation of ringdown time (microseconds)
RD1_us	Ringdown time (microseconds)
RD1_us_sd	Standard deviation of ringdown time (microseconds)