Innovations in Science and Field Work from the BWM Project and Additional Science Questions
Objectives

• Share team experiences with innovative techniques and instrumentation used in the BWM project

• Respond to your questions about our field work

• Discuss ideas for future related research
In-situ GHG vertical & lateral flux analyzers

Laser-based absorption technology

Picarro G2301: CO₂, CH₄

Los Gatos Research
N₂O, CO
New analyzer for greenhouse gases

Cavity ring-down spectroscopy

\[ y = 2.5821x + 22.146 \]

\[ R^2 = 0.9899 \]
In-situ GHG vertical flux measurements

Flux Chamber

Piccaro & LGR Analyzers
In situ GHG lateral flux measurements
In situ GHG lateral flux measurements
Coring