Picarro G2307 Analyzer Updates
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NESCAUM and NYSERDA
Method Issues – Drift / Precision / Accuracy

2.5 vs 1.9 ppbV CH2O Collocation – Lab Air
Hourly Zero Correction – Saves the Day!

**Unit 2033**
Rec 11/2020

**Final Calibration Comparisons**
05/27/21
0.5 – 8.5 ppbv

**Unit 2022**
Rec 03/2019
Comparison to DNPH

DNPH and the Picarro track extremely well
Comparison to DNPH (24-Hr 1 in 6 Day)

DNPH does not drop below 0.57
The lowest Picarro value is -0.23
Drift / Precision - Resolution
Data Review

The HCHO (yellow trace) dropped but was matched by a drop in methane (blue trace)

Water (red trace) did not change
Regional vs Local
HCHO does interact with Ozone
You can have Ozone without HCHO but you can’t have a lot of Ozone without HCHO

NYBG 1-Hr Data 6/1/20 – 9/27/21
Diurnal Seasonal HCHO
Diurnal Seasonal Methane
Methane Time Series: 2 Days
Thanks and Acknowledgements

NYSERDA and NESCAUM
Jackie Perry – NYSDEC
Dan Riemer – Apel Riemer Environmental
Andrew Whitehill – USEPA
Frank Keutsch and Josh Sutter – Harvard University
Alan Fried – University of Colorado
Erik Mallory – JJ Wilbur Company
Andrew Montz – Dr. Das LTD
Helen Martin and Laura Miles – Markes International LTD
Jonathan Bent and Milos Markovic - Picarro