

Supplementary Information

## Programmable Thermal Dissociation of Reactive Gaseous Mercury, a Potential Approach to Chemical Speciation: Results from a Field Study<sup>§</sup>. *Atmosphere* 2014, 5, 575–596.

Cheryl Tatum Ernest <sup>1,†</sup>, Deanna Donohoue <sup>1,‡</sup>, Dieter Bauer <sup>1</sup>, Arnout Ter Schure <sup>2</sup> and Anthony J. Hynes <sup>1,\*</sup>

<sup>1</sup> Division of Marine and Atmospheric Chemistry, Rosenstiel School of Marine and Atmospheric Science, University of Miami, 4600 Rickenbacker Causeway, Miami, FL 33149, USA; E-Mails: cheryl.ernest@mpic.de (C.T.E.); deanna.l.donohoue@lawrence.edu (D.D.); dbauer@rsmas.miami.edu (D.B.)

<sup>2</sup> Electric Power Research Institute, 3420 Hillview Avenue, Palo Alto, CA 94304, USA; E-Mail: aterschu@epri.com

<sup>†</sup> Current Address: Atmospheric Chemistry Department, Max Planck Institute for Chemistry, Hahn-Meitner-Weg 1, D-55128 Mainz, Germany.

<sup>‡</sup> Current Address: Department of Chemistry, Lawrence University, Appleton, WI 54911, USA.

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\* Author to whom correspondence should be addressed; E-Mail: ahynes@rsmas.miami.edu; Tel.: +1-305-421-4173; Fax: +1-305-421-4689.

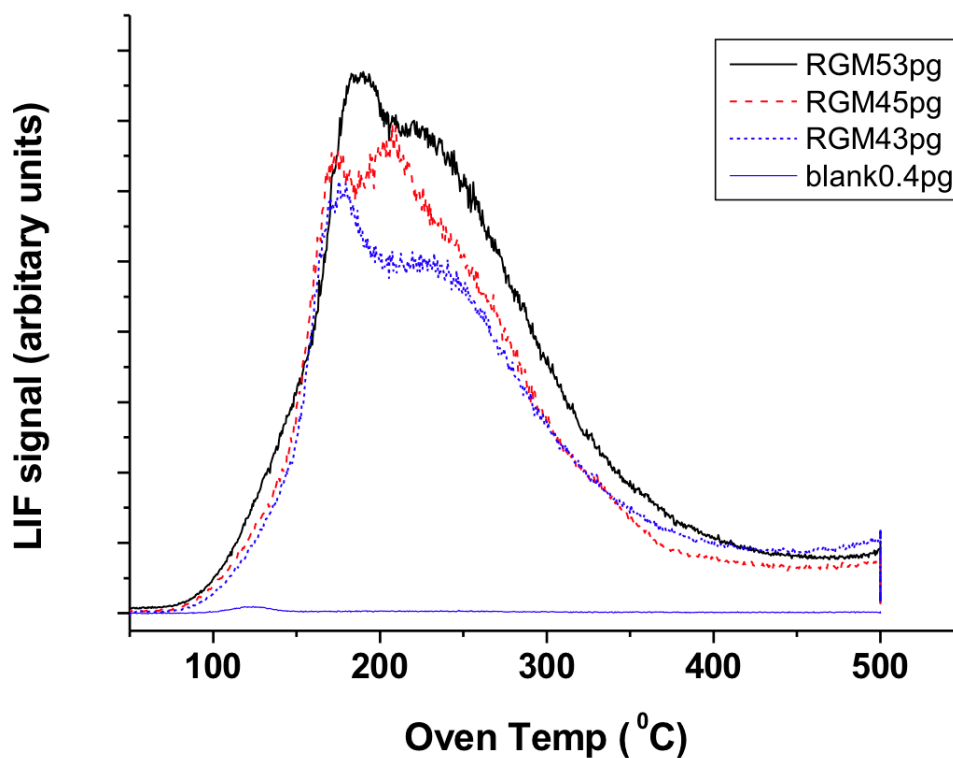
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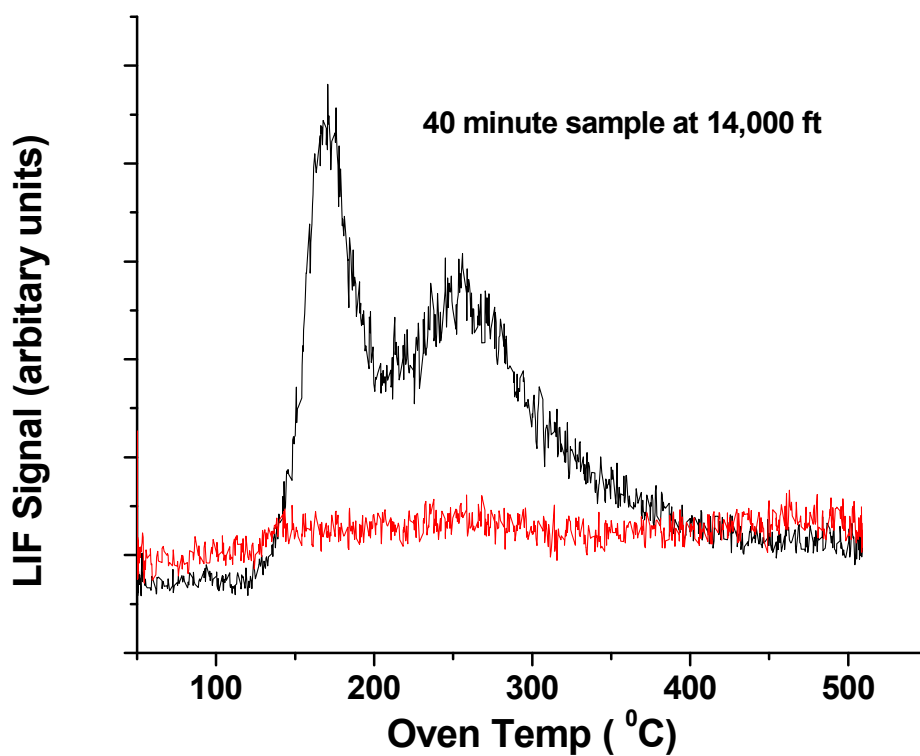
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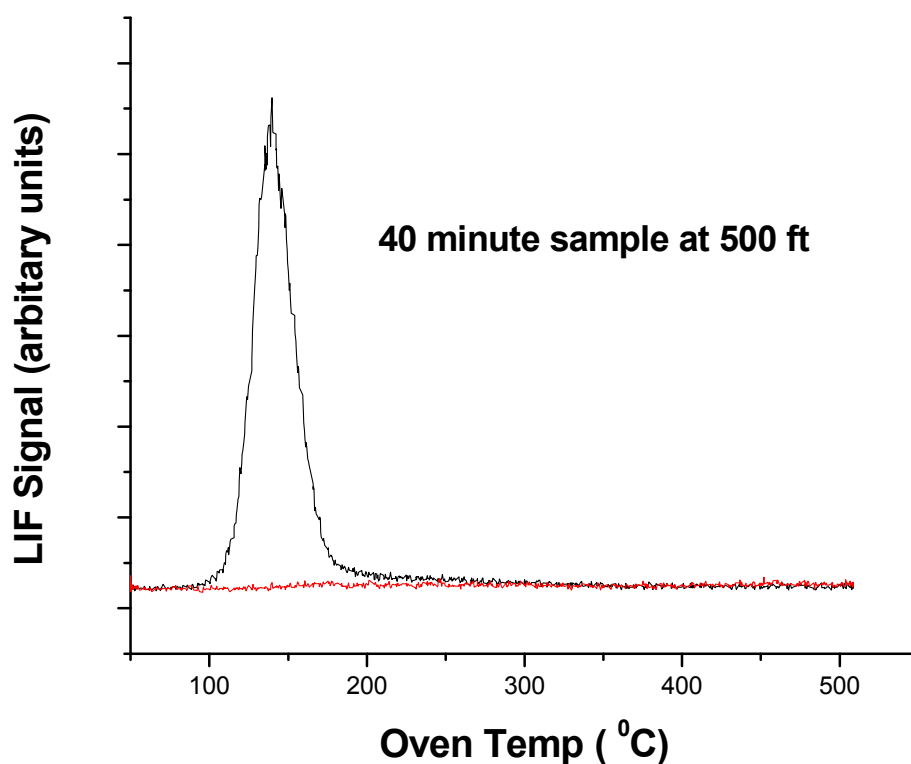
**Figure S1.** Thermal dissociation profiles for  $\text{HgCl}_2$  loaded on quartz tubular denuders with an etched central section. Masses of  $\text{HgCl}_2$  deposited (expressed as the equivalent weight of elemental mercury in pg) are 53, 45, 43 pg. A denuder blank is also shown.



**Figure S2.** PTD profile of a high altitude RGM sample with a total mass of 58 pg (expressed as the equivalent weight of elemental mercury). A flight blank (5.4 pg) is also shown.



**Figure S3.** PTD profile of a RGM sample taken at 500 ft in the marine boundary layer over the Gulf of Mexico with a total mass of 56 pg (expressed as the equivalent weight of elemental mercury). A flight blank (3 pg) is also shown.



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