

**Agenda**

**Monday March 11, 2013**

**Tracers**

8:45-9:05	Introduction to the 2010 and 2011 US-GT-NAT cruises	Bill Jenkins, Ed Boyle, Greg Cutter
9:05-9:40	Circulation, Physical Oceanography, and Tracers	Bill Jenkins and Bill Smethie
9:40-10:00	CFCs and SF <sub>6</sub>	Bill Smethie
10:00-10:20	He and Tritium	Bill Jenkins
10:20-10:40	Comparison of GEOTRACES NAT Ra isotopes with historical Ra data	Billy Moore
10:40-11:00	<sup>228</sup> Ra-derived mixing rates & <sup>228</sup> Th-derived particle export in the Mauritania upwelling	Paul Morris

11:00-11:20 *coffee break*

**Dissolved Trace Elements**

11:20-11:40	Dissolved trace metal intercalibrations and fish/GOFlo comparison	Ken Bruland
11:40-12:00	Pb and Pb isotopes	Abigail Noble
12:00-12:20	Sometimes trace elements can fly: Pb in STUW	Ed Boyle
12:20-12:40	Inorganic Hg, CH <sub>3</sub> Hg, and (CH <sub>3</sub> ) <sub>2</sub> Hg	Katlin Bowman
12:40-1:00	Anthropogenic Hg and Hg thiols	Carl Lamborg

1:00-1:50 *lunch*

**Dissolved Trace Elements (continued)**

1:50-2:10	Dissolved Cu	Jeremy Jacquot and Jim Moffett
2:10-2:25	Dissolved Fe and Mn	Mariko Hatta
2:25-3:00	Dissolved Cd, Zn, Cu, Fe, and Mn	Jingfeng Wu
3:00-3:20	Soluble and Colloidal dissolved Fe: concentrations, ligands, and isotopes	Jessica Fitzsimmons and Jingfeng Wu

3:20-3:35 *coffee break*

3:35-3:55	Dissolved Al	Chris Measures
3:55-4:15	Dissolved Ga and Ba	Alan Shiller
4:15-4:35	Dissolved reactive and total Co	Mak Saito and Abigail Noble
<b>Particle-reactive radioisotopes</b>		
4:35-5:15	<sup>232</sup> Th, <sup>230</sup> Th, and <sup>231</sup> Pa	Bob Anderson, Larry Edwards, Hai Cheng, Brad Moran, Laura Robinson, Chris Hayes, Denner Huang
5:15-5:35	<sup>234</sup> Th	Stephanie Owens, Ken Buesseler
5:35-5:50	dissolved <sup>210</sup> Pb and <sup>210</sup> Po	Sylvain Rigaud and Tom Church
5:50-6:05	particulate <sup>210</sup> Pb and <sup>210</sup> Po	Gillian Stewart

**Tuesday March 12, 2013**

**Nutrients and Nutrient Isotopes**

8:00-8:20	Nanomolar nutrients (NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , P)	Greg Cutter
8:20-8:40	Nitrate N and O isotopes	Danny Sigman
8:40-9:00	Si Isotopes	Mark Brzezinski
9:00-9:20	δ <sup>13</sup> C, trace metals and nutrients	Paul Quay and Jingfeng Wu
9:20-9:40	As speciation and relationship to P cycling	Oliver Wurl

9:40-10:00 *coffee break*

**Metal Isotopes**

10:00-10:30	Nd isotopes	Alison Hartman, Torben Stichel, Steve Goldstein, Katharina Pahnke
10:30-10:50	Fe isotopes	Tim Conway, Seth John, Jess Adkins
10:50-11:10	Cd and Zn isotopes	Seth John
11:10-11:30	Osmium concentration and isotopes	(Ed Boyle for Mukul Sharma)

**Metal Speciation**

11:30-11:50	Fe speciation	Kristen Buck
11:50-12:10	Copper speciation: implications for scavenging and biological availability	Jermey Jacquot and Jim Moffett
12:10-12:30	Fe and Fe(II)	Peter Sedwick and Bettina Sohst
12:30-12:45	Zn speciation	Gonzalo Carrasco

12:45-2:00 *lunch*

**Particulates**

2:00-2:20	Size fractionated particle mass and major particle phases	Phoebe Lam
2:20-2:40	Size fractionated particulate trace elements	Dan Ohnemus
2:40-3:00	Gradients in biogenic metal stoichiometries: GO-Flo particles and single-cell analyses	Ben Twining
3:00-3:20	Particulate Fe and Fe isotopes	Brandi Revels and Jess Adkins

3:20-3:40 *coffee break*

**Aerosols and Rain**

3:40-4:00	Aerosol TEIs	Rachel Shelley
4:00-4:20	TEIs in rain	Bill Landing
4:20-4:40	Aerosol Fe solubility from field and lab-based leaching protocols	Ana Aguilar-Islas
<b>Anthropogenic radionuclides, water isotopes, Biogeotraces, CO<sub>2</sub></b>		
4:40-5:00	Anthropogenic radionuclides	Tim Kenna
5:00-5:20	Oxygen and Hydrogen Isotopes	Albert Colman
5:20-5:40	Large-scale distributions of diazotrophs in the Atlantic Ocean	Rebecca Langlois
5:40-5:50	CO <sub>2</sub> system	(Bob Anderson for Nick Bates)

**Wednesday March 13, 2013 - Friday March 15, 2013**

***All three days will have the same time schedule:***

8:00-10:15 plenary or breakouts  
10:15-10:30 coffee break  
10:30-12:30 plenary or breakouts  
12:30-1:30 lunch  
1:30-3:45 plenary or breakouts  
3:45-4:00 coffee break: 3:45-4:00pm  
4:00-6:00 plenary or breakouts

Wednesday-Friday:  
start of day: 8:00am  
coffee break: 10:15-10:30am  
lunch: 12:30-1:30pm  
coffee break: 3:45-4:00pm  
end of day: 6:00pm