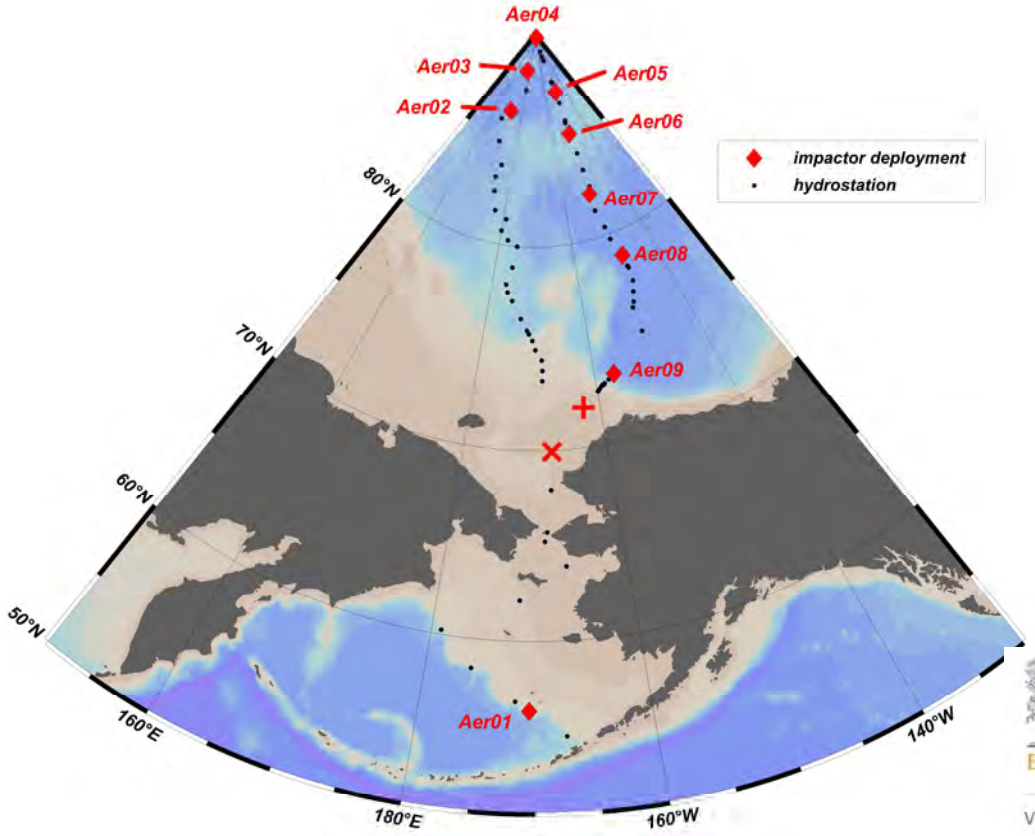
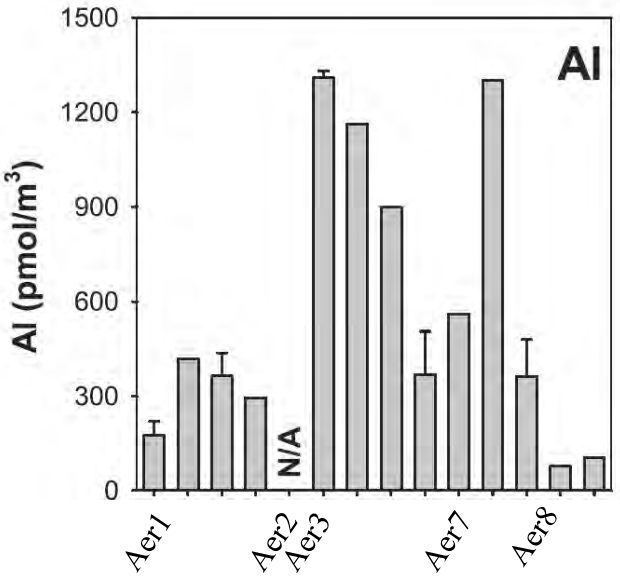
# Bulk and Size-Fractionated Aerosols from GEOTRACES GN01

OCE-1438047
OCE-1437266

The University of Georgia
Skidaway Institute of Oceanography

# Western Arctic Section – GN01

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VSI: ConwayGEOTRACES

## Concentrations, provenance and flux of aerosol trace elements during US GEOTRACES Western Arctic cruise GN01 ☆

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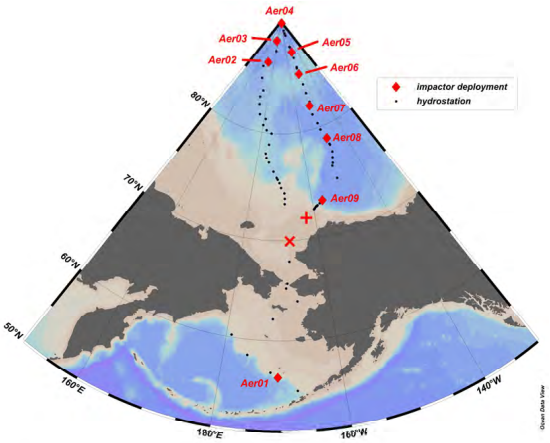
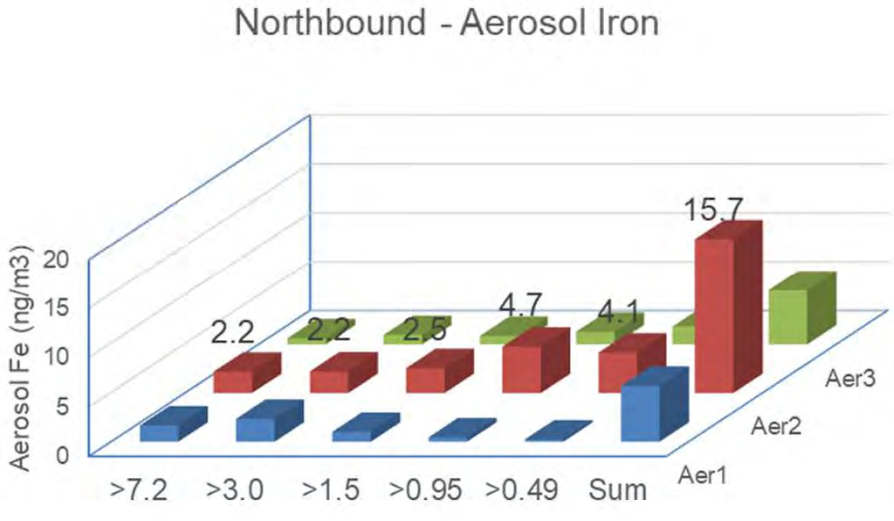
# Northbound

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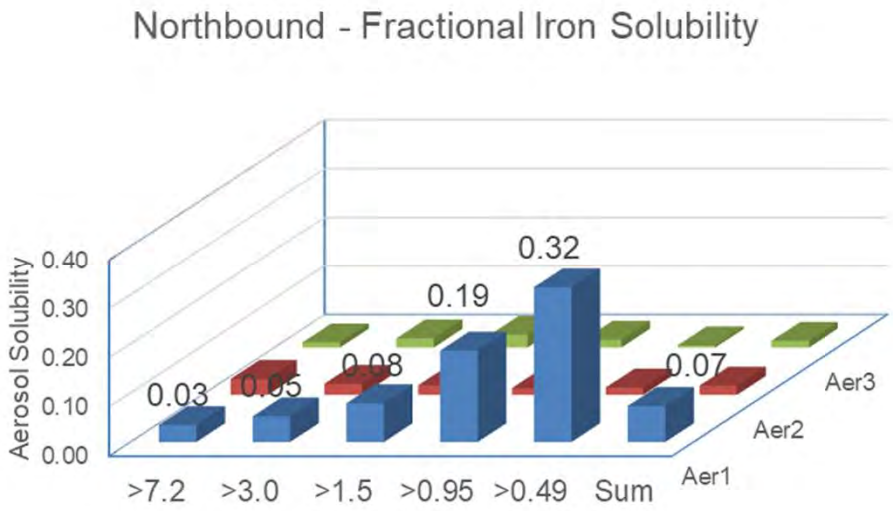


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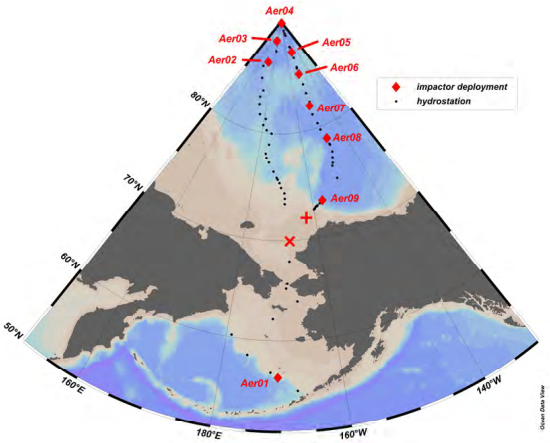
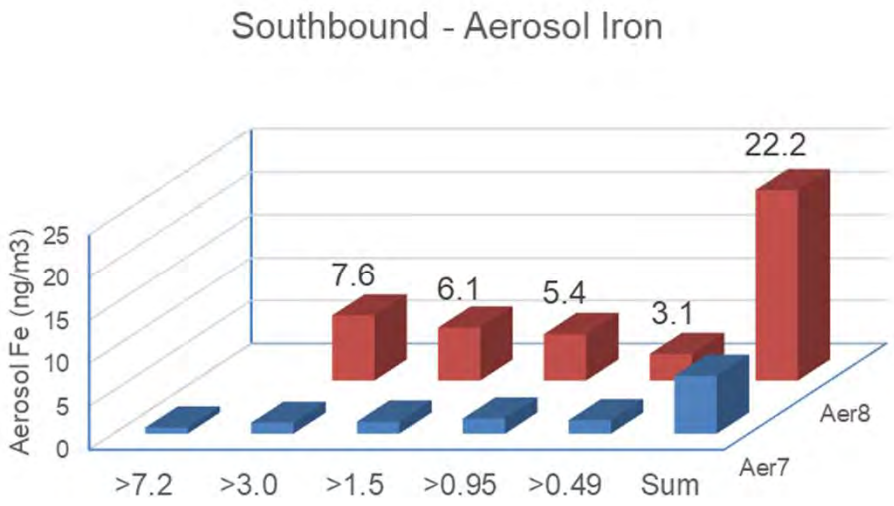
# Southbound

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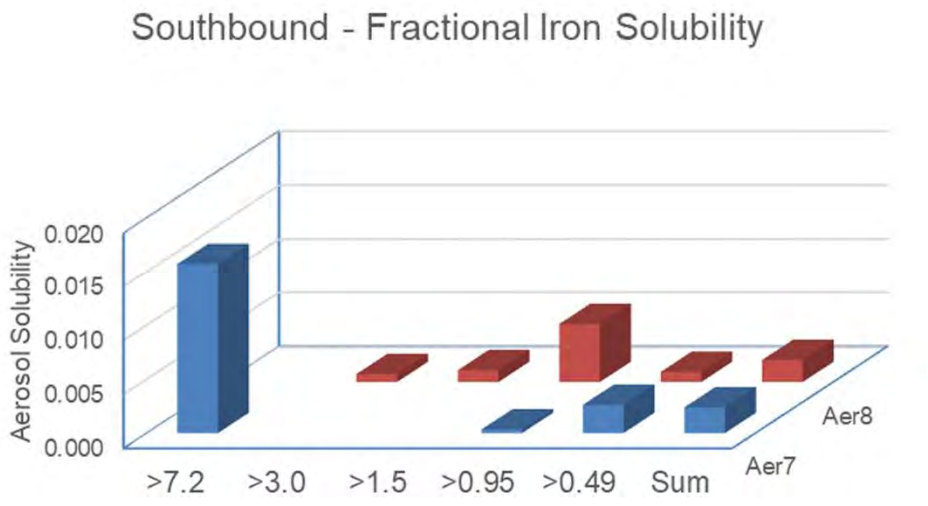


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# Arctic Summary

- Size distribution varied with aerosol source
- In one case solubility was higher in small particles but not so in other cases
  - 32% in particles between 1.0 and 0.5 μm
  - Solubility was less in other samples; ~1-4%

- GFF filters are available from all collections
- Some W41 filters available from some deployments
- Strips from impactor filters are available