

Question E: Are there sources of ozone and aerosol precursors that are not represented in the reported emissions inventories?

Gas-phase mercury measurements on the NOAA RHB

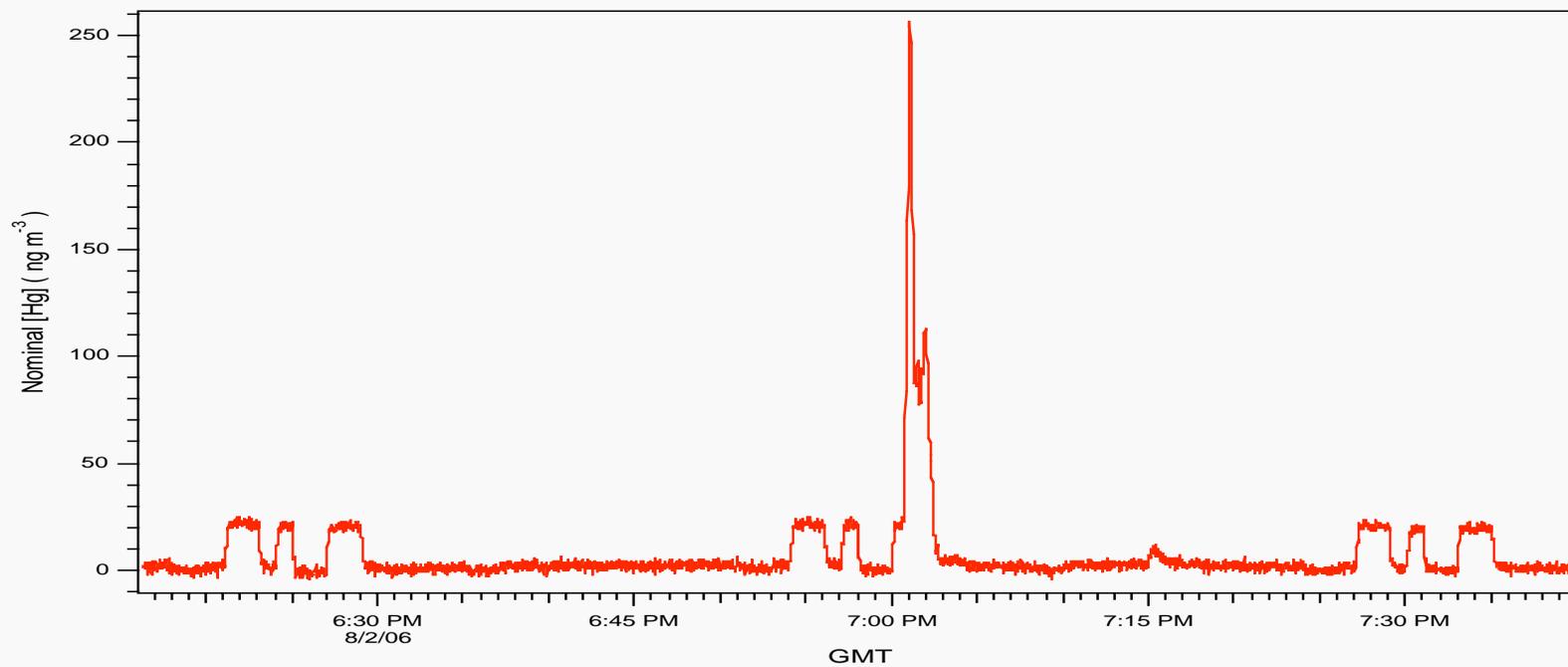
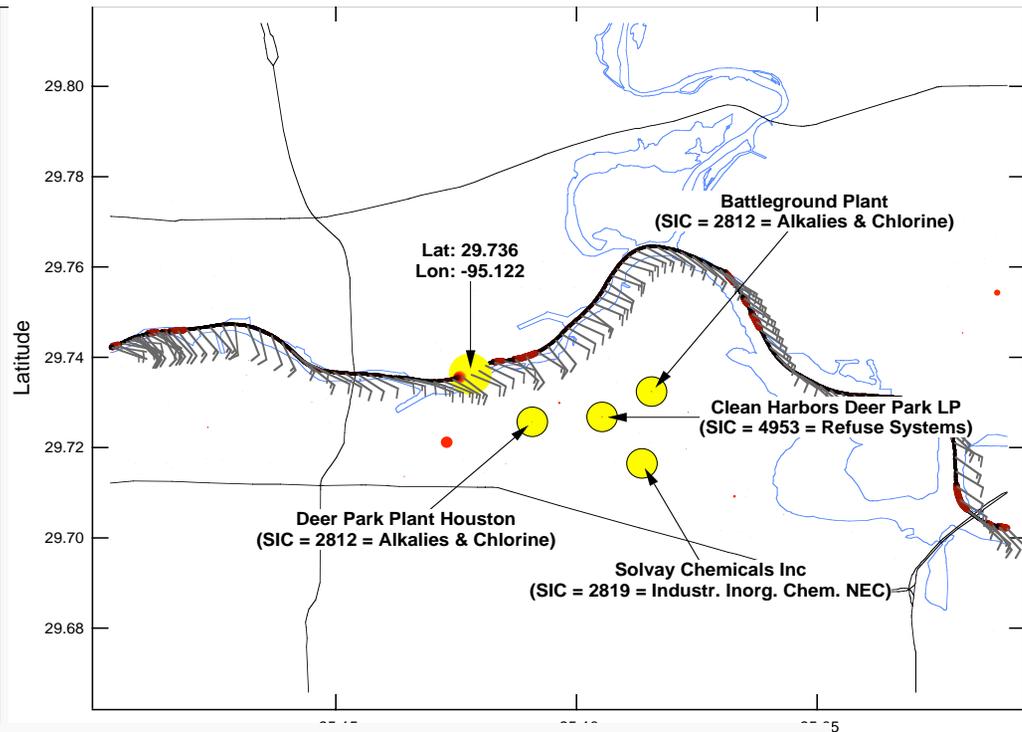
Tara Fortin - NOAA/CIRES

Tom Ryerson - NOAA

This Presentation:

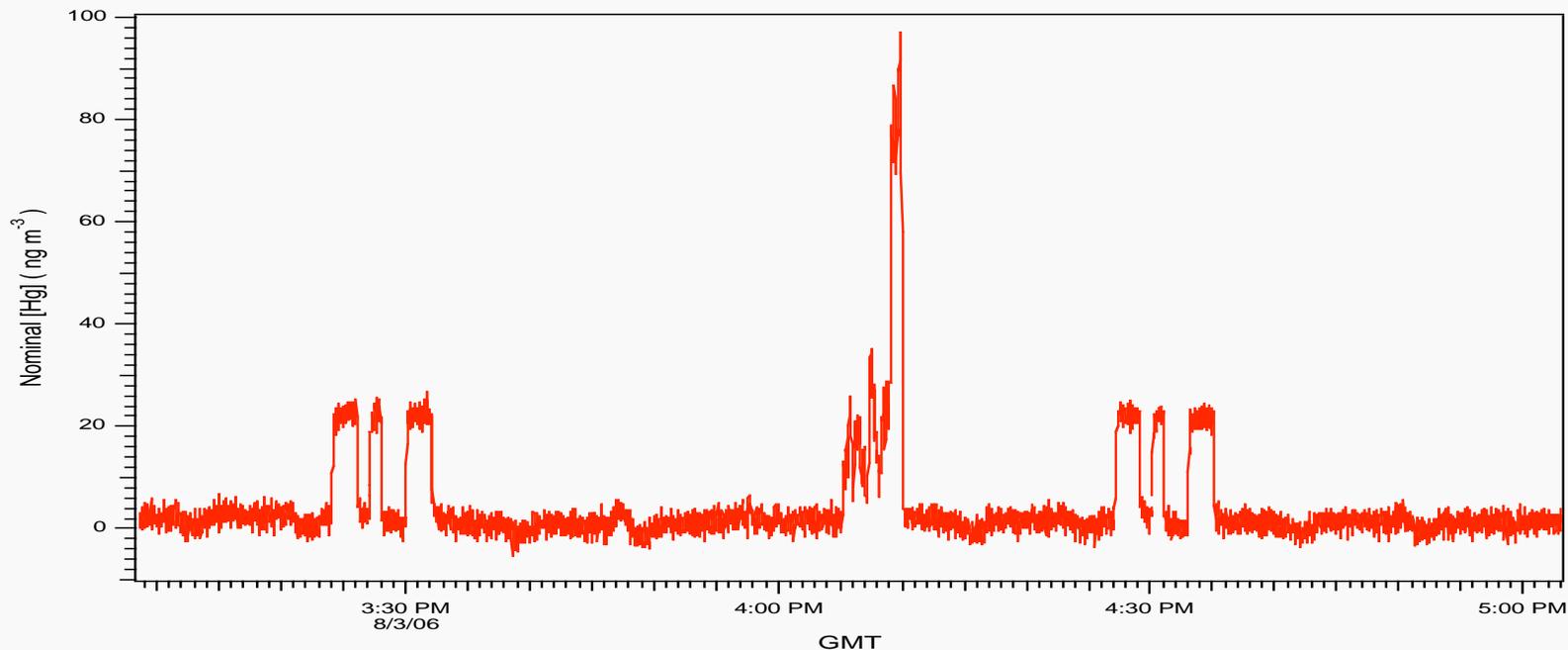
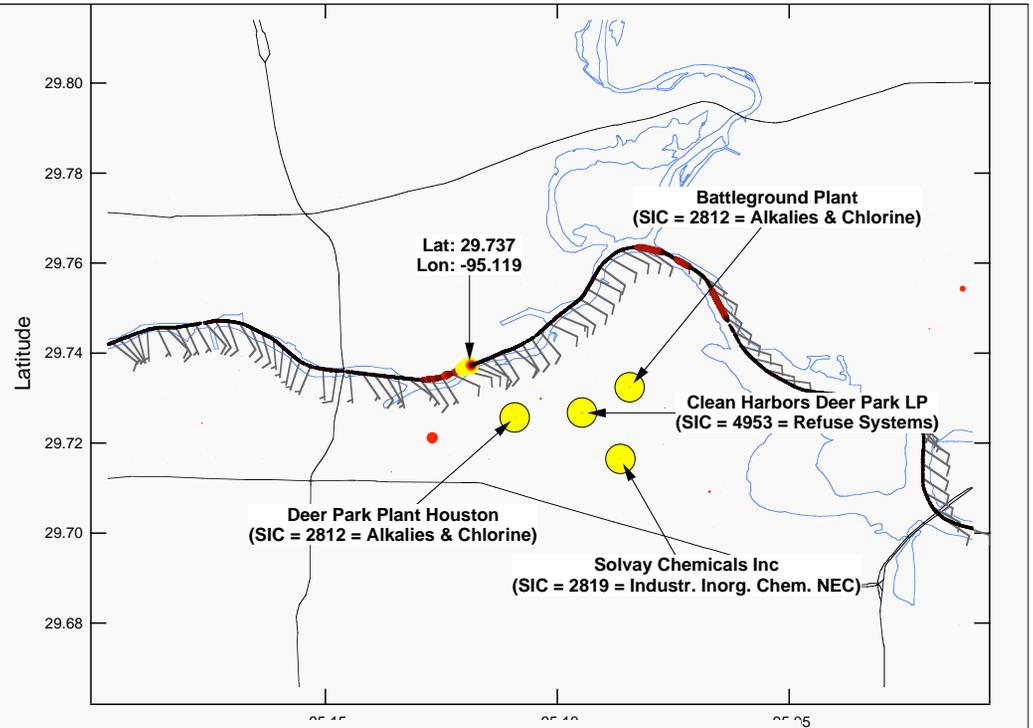
- Survey Hg levels in Houston Ship Channel area
- Discuss one (?) large point source

2 August up the ship channel

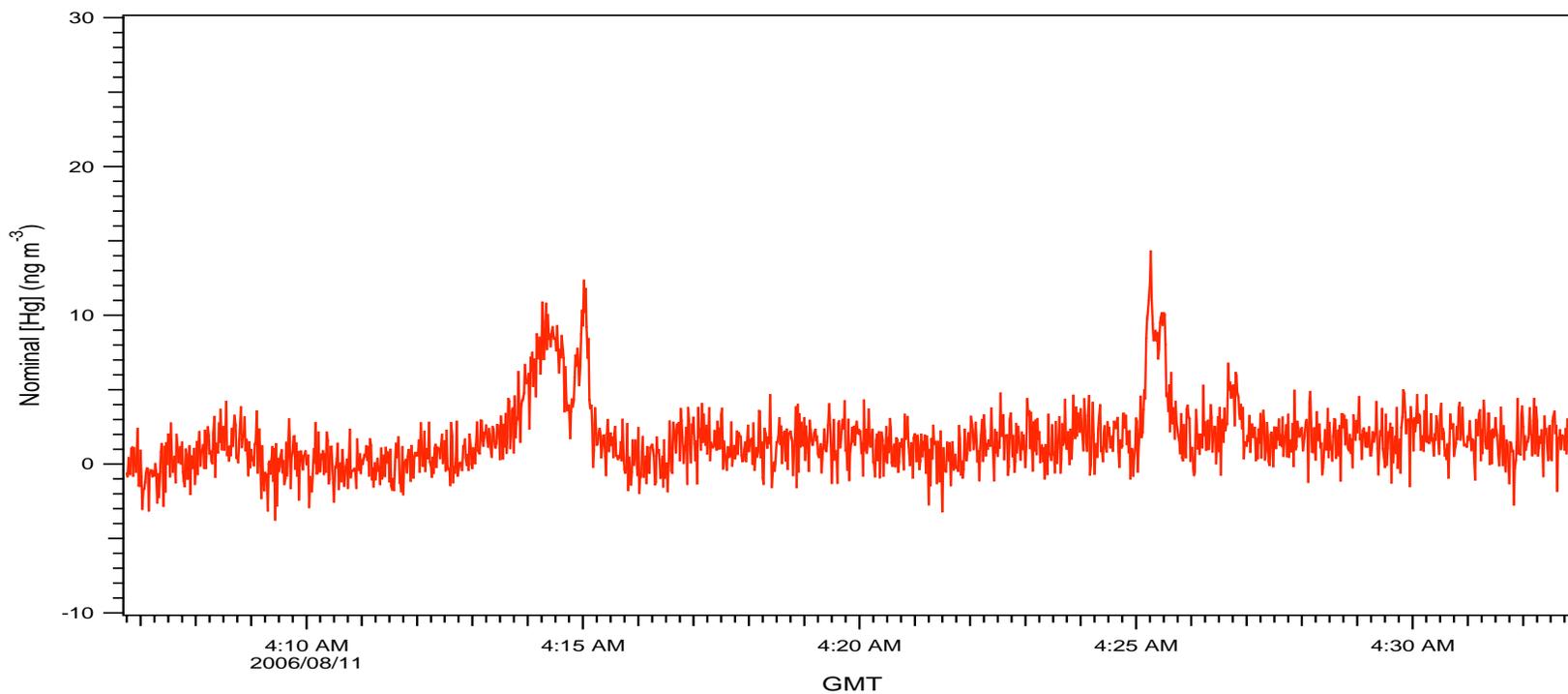
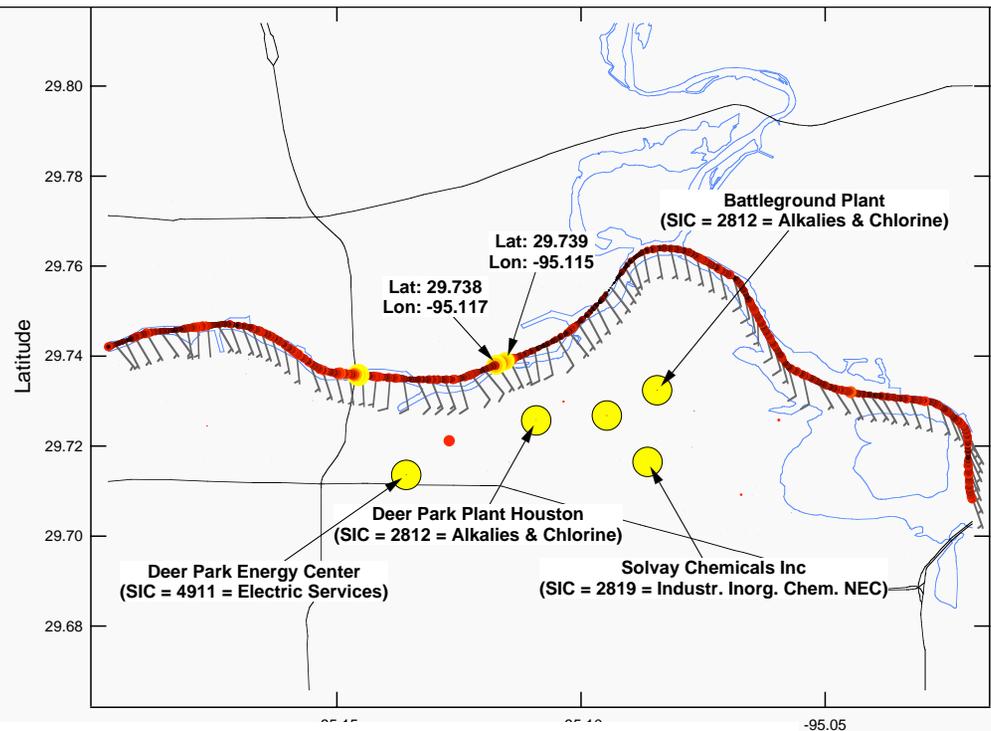


**3 August down
the ship channel**

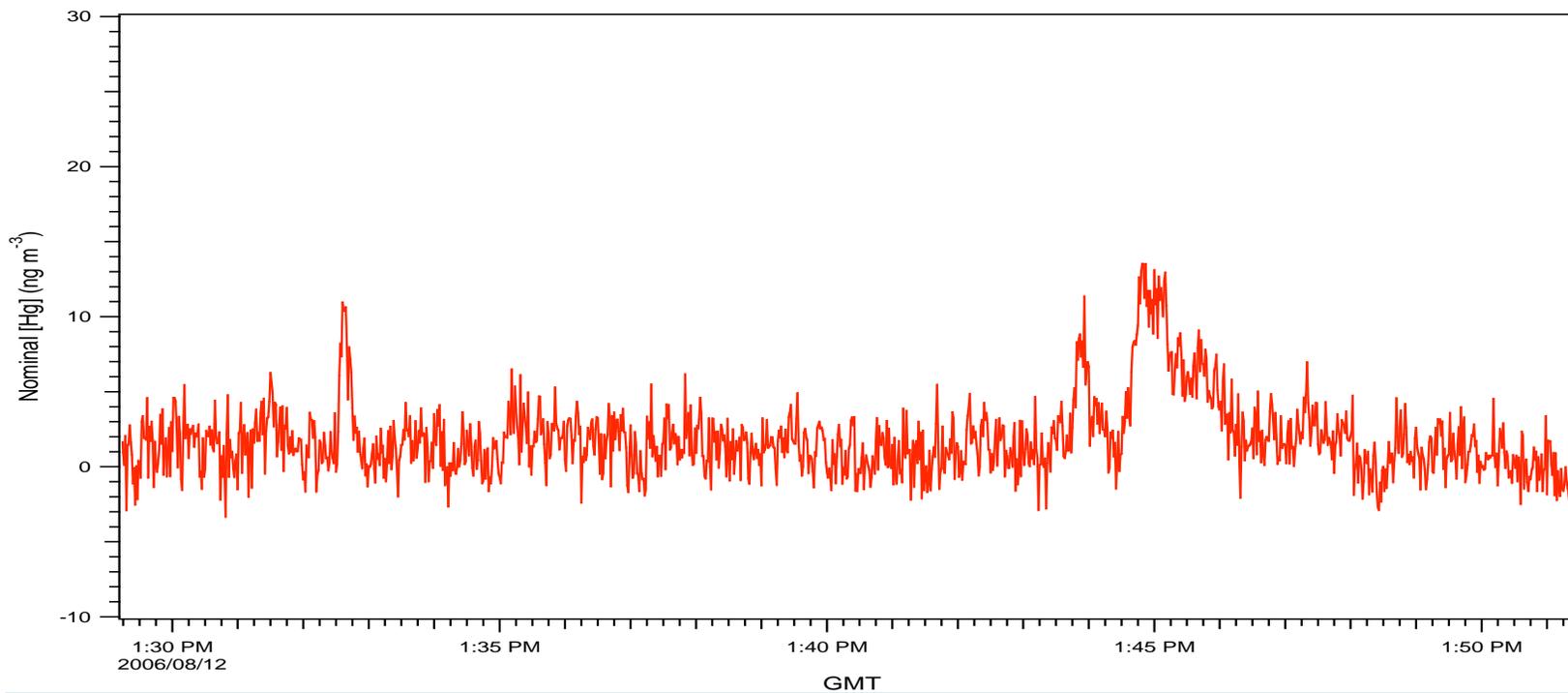
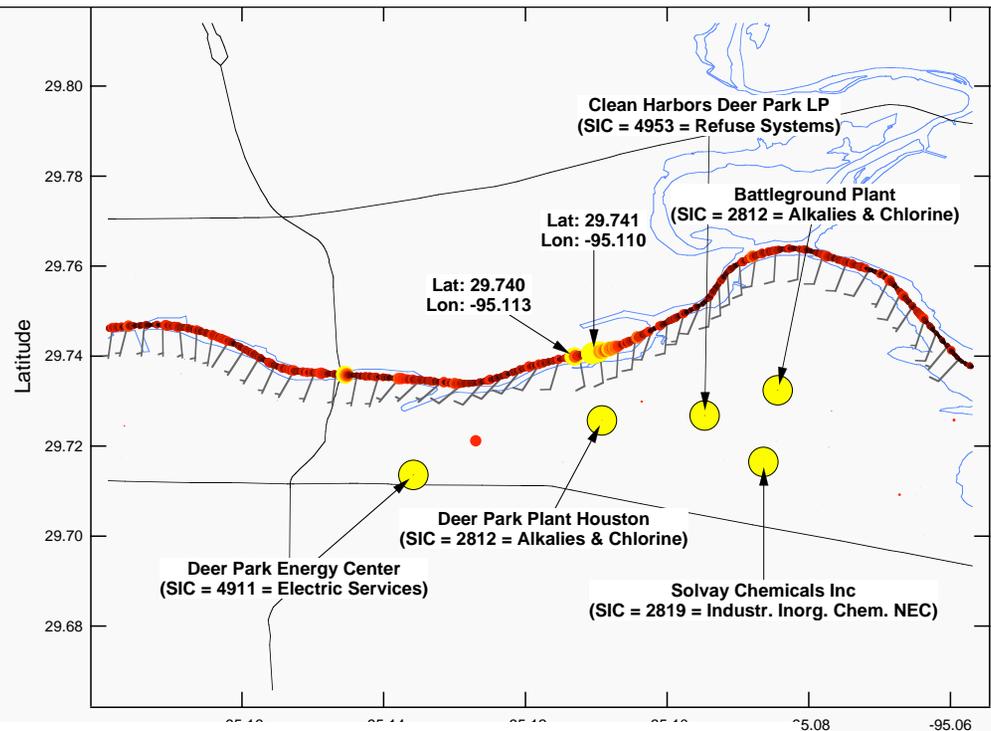
**7 August round trip ship
channel transect - no peaks
under northeast wind**



10 August up the ship channel



12 August down the ship channel



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- Gas-phase mercury measurements made from the RHB
- One major source identified in HSC - highly variable (approx. factor of 25 in peak heights)
- Determining flux variability will require more work - account for wind speed, boundary layer depth, etc.
- Some other plumes seen off shore.