

Site Map & Grid Creation

CODAR Ocean Sensors, Ltd.



SeaDisplay SiteMap

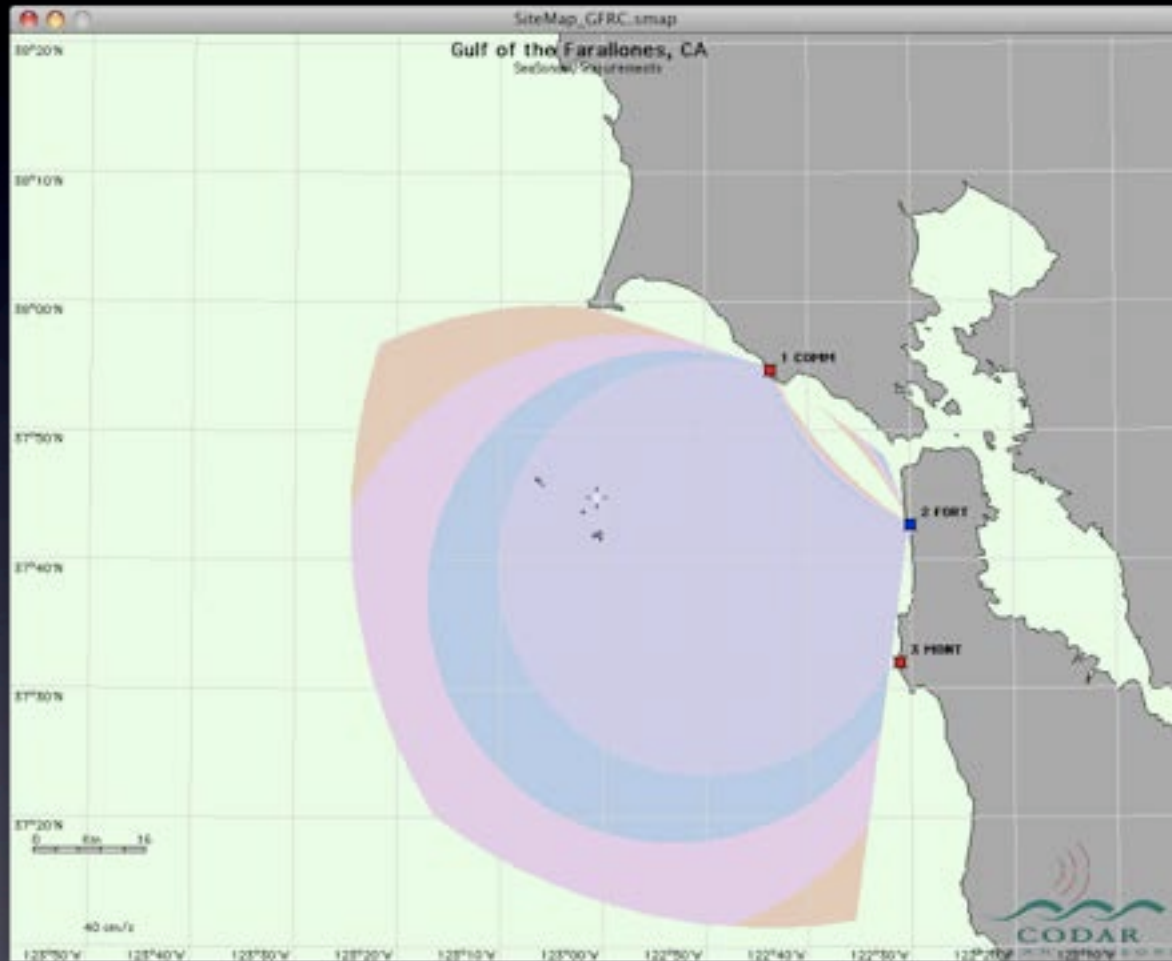
- A SeaDisplay SiteMap is a map of single/multiple, “local” CODAR systems
- Used for:
 - Projecting real-time radials at a remote site
 - Projecting real-time total vectors at the Central Site
 - Visualize and Reprocess data/ Make movies
 - Visualizing a distribution of radials
 - Visualizing radial or total statistics



Create a SeaDisplay Site Map

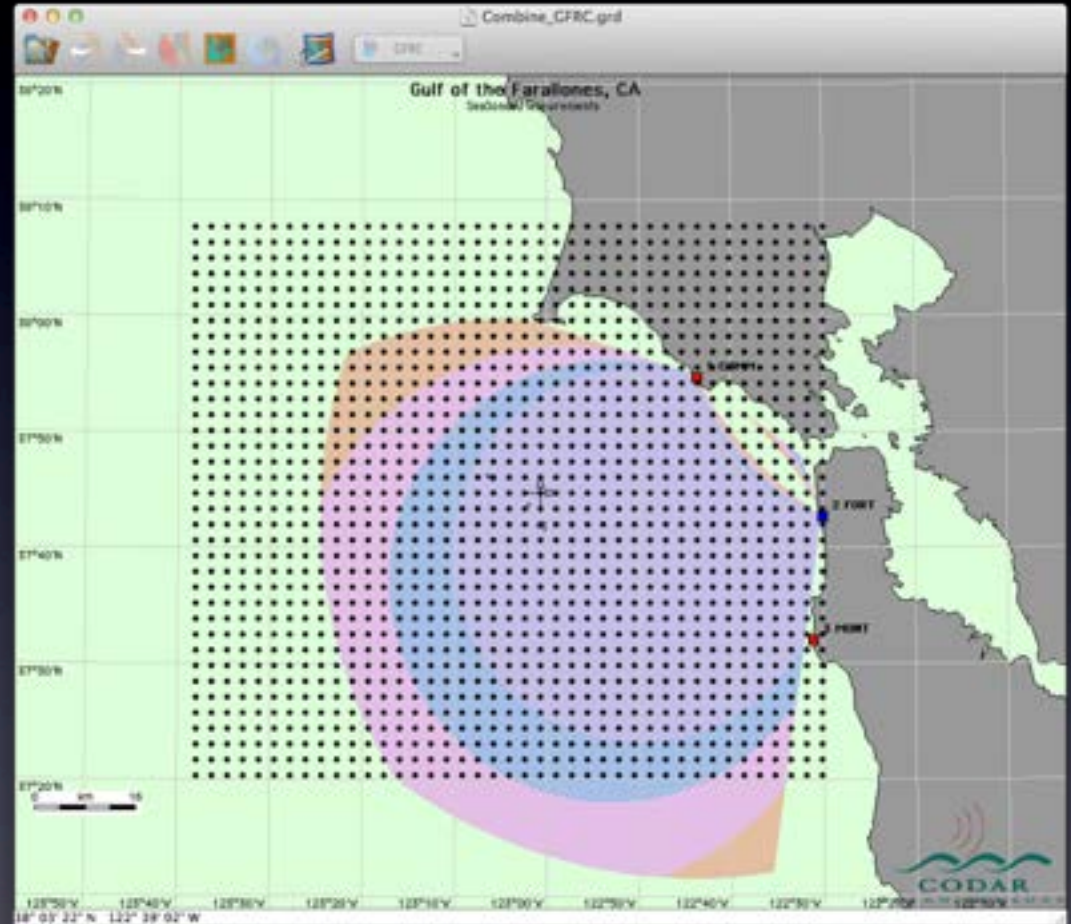
- Exercise:
- Turn to page 61 in the Operators Manual
- Stop at the end of page 64

Displaying the Coverage Area



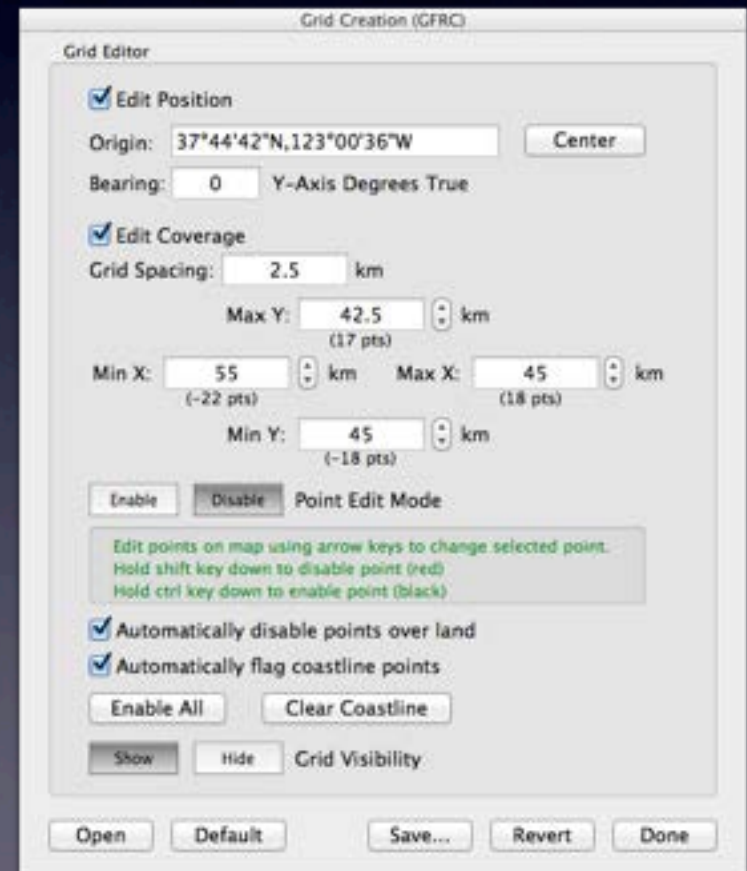
Grid Files

- Use SeaDisplay
- Grid of points covering multiple-site footprint
- Referenced when plotting Total Vector files on Site Map
- Total vectors plot on grid points



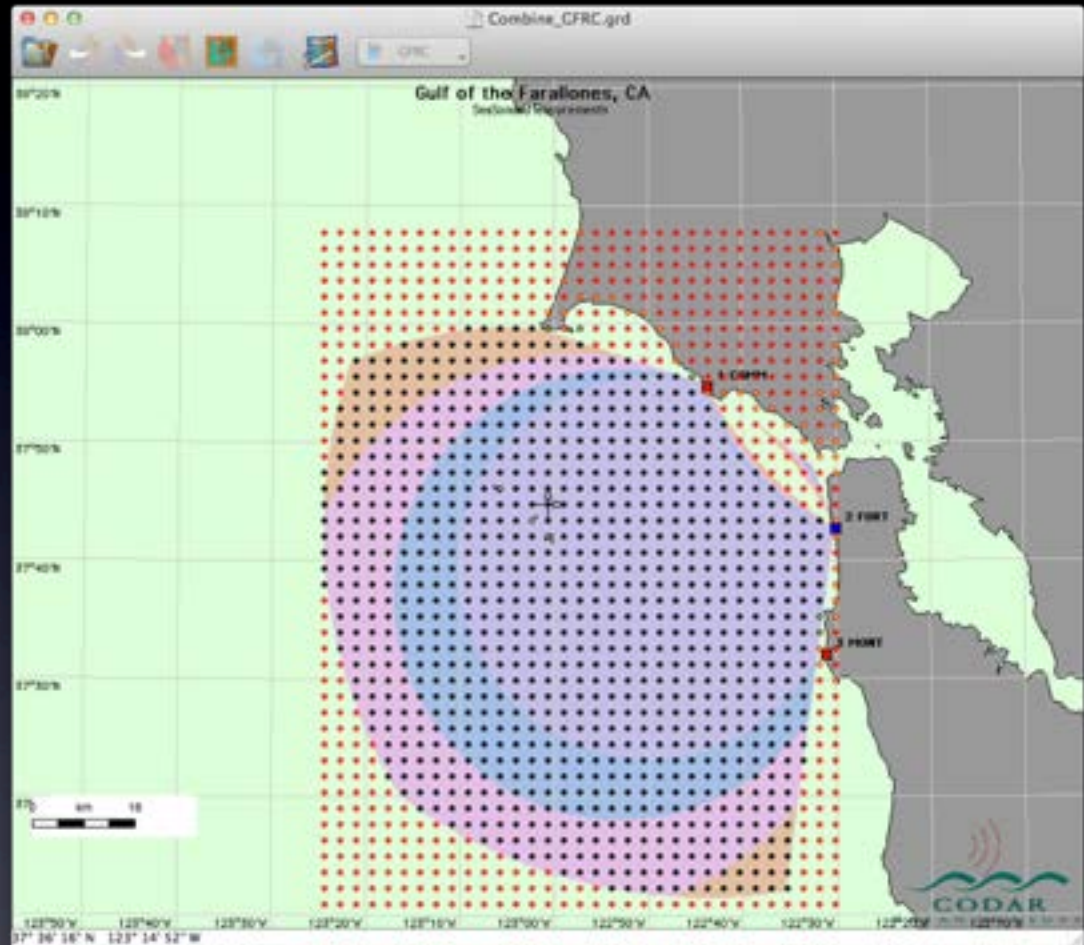
Creating a Combine Grid

- Under Special, select Create/Edit Combine Grid
- Grid Editor
 - Origin
 - Bearing
 - Edit Coverage
 - Min X, Max X, Min Y, Max Y determine size of grid
 - Enable and Disable Point Edit Mode
 - Enable All and Clear Coastline



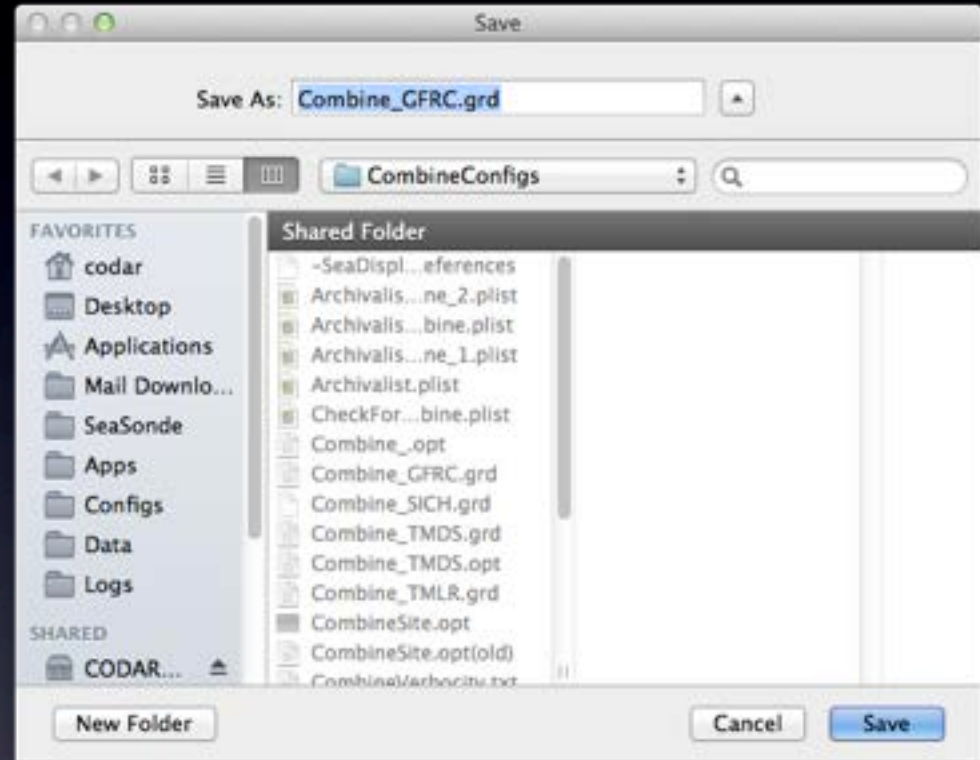
Editing the Combine Grid

- After Enabling Point Edit Mode
- Black points represent valid grid points; red points represent removed points
- Hold shift+arrow to remove points; hold control+arrow to include points



Saving the Combine Grid

- When finished, in the Grid edit UI hit Save...
- .grid and .opt file will be saved in the CombineConfigs



Creating Radial Filters

- Radial filters are essentially grid files for radial sites
- Under Special, select Create/Edit Radial Filter
- Select a site
 - Spacing, Max Range, Resol, Ranges
- Enable Point Edit Mode
- Black dots represent included radial points, red indicate excluded points
- Once done, hit save
- Repeat for other sites

