

A black and white outline map of the Santa Barbara Channel region in California, showing the coastline and several islands. The map is centered on the page.

SIMBA Cruise Meeting

March 30, 2007
Ventura, California

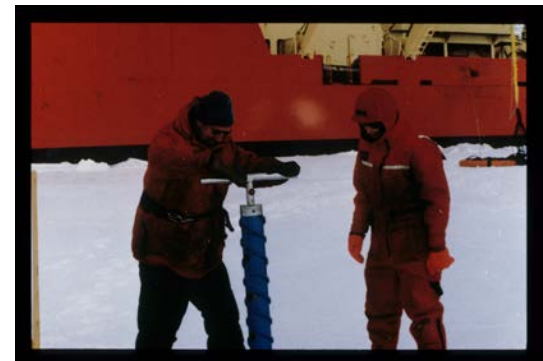
Preliminary Schedule – Segment 1

3 days – Transit to Ice Edge from Punta Arenas

12 days – Journey along Ice Edge to approximately 110 degrees

- Deploy Argos floats
- Perform limited stops for snow and ice characterization & CTD (3-4 hours each)
- Tag seals at random locations (coincident with above @ 15 locations)
- Perform ASPECT ice observations and video cam
- Perform ship-based EM measurements

3 days – turn into pack ice and angle to 115 degrees, deploy drifter
Buoy Set #1 (NW- W)



Segment 2 - Drift Station

10 days – Establish **Drift Station**

- Deploy IMB buoys
- Establish geophysical grid and perform testing
- Establish Clean Areas and perform sampling
- Perform CTD and ocean sampling

2-3 days – deploy drifter **Buoy Set #2 (W – SW)**

6-7 days – return to **Drift Station** and continue sampling/
testing

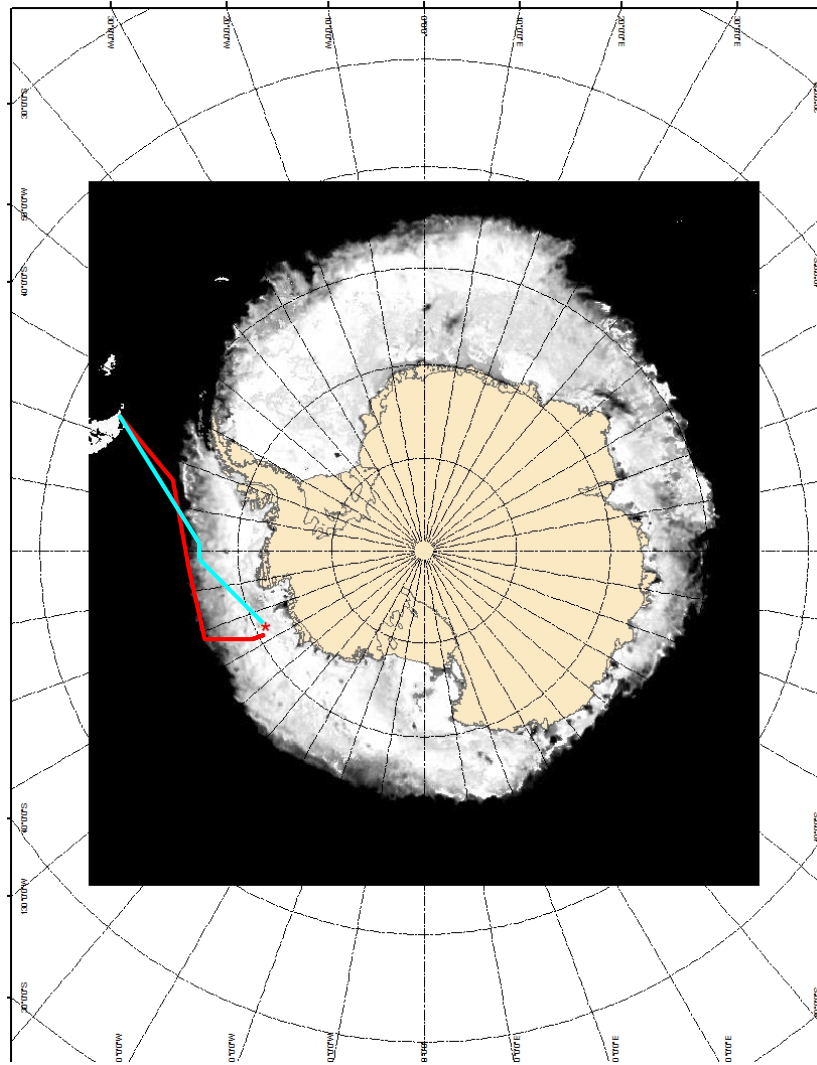
2-3 days – deploy drifter **Buoy Set #3 (SE – E)**

6-7 days – return to **Drift Station** and continue sampling/
testing

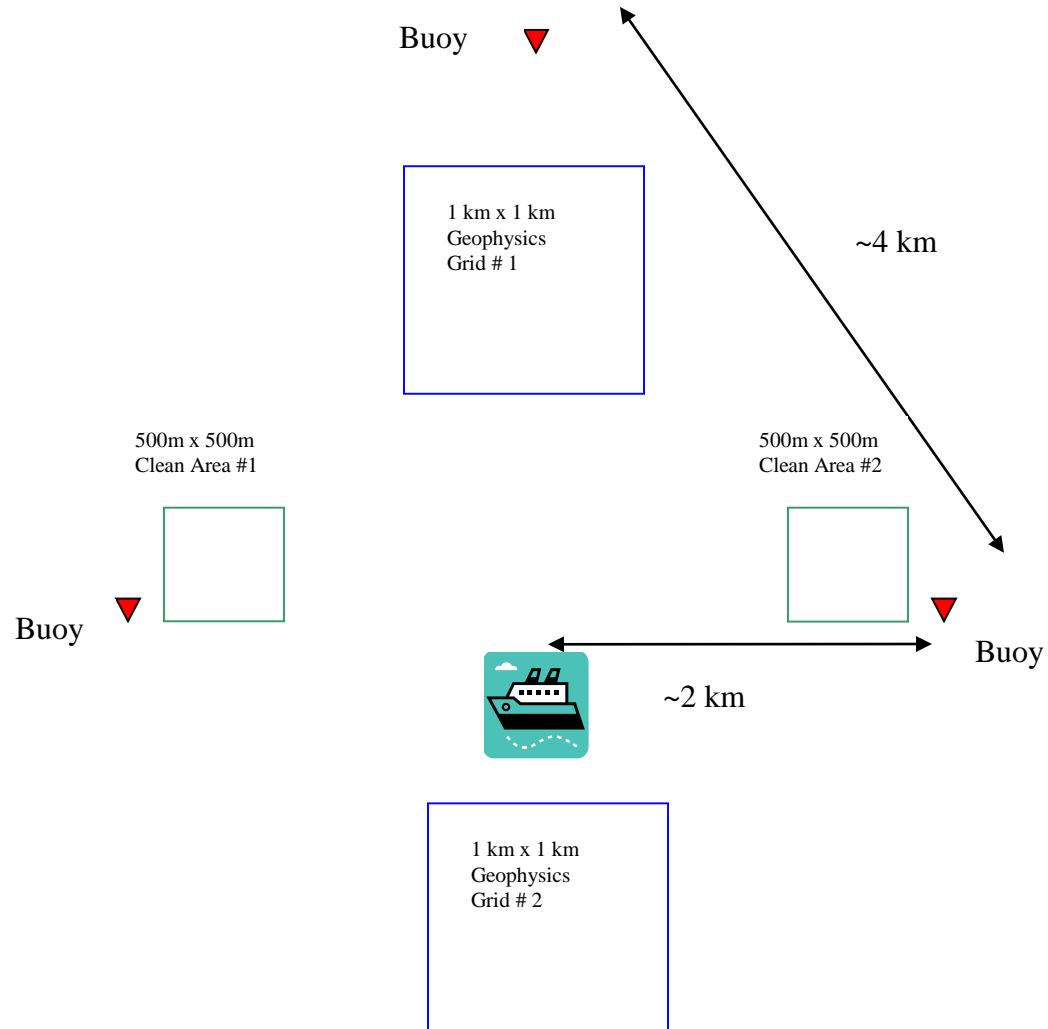
Segment 3 – The Way Out

- 3 days** – deploy drifter **Buoy Set #4 (E – NE)** and head out to ice edge
- 8 days** – return toward Punta Arenas through pack ice
 - Perform limited stops for snow and ice characterization & CTD (3-4 hours each)
 - Tag seals at random locations (coincident with above @ 5 locations)
 - Perform ASPECT ice observations and video cam
 - Perform ship-based EM measurements
- 3 days** – Transit from Ice Edge back to Punta Arenas

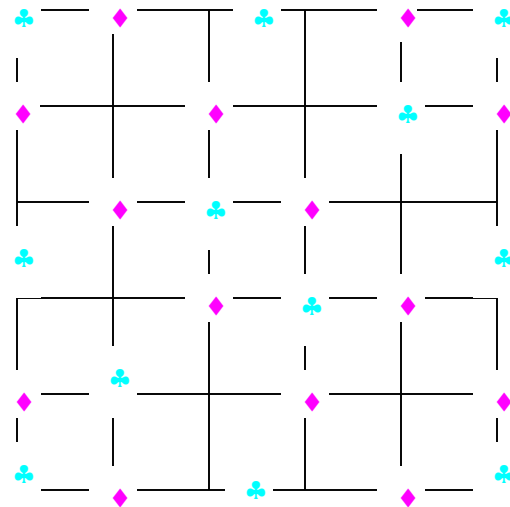
Preliminary Cruise Track



Drift Station Layout



Example Layout



Geophysical Grid (200m x 200m cells)

EM surveys along grid lines

Resistivity Survey along grid lines

◆ Snow Pits / Ice Cores (16)

♣ Ice Thickness Gauge (12) & snow pits