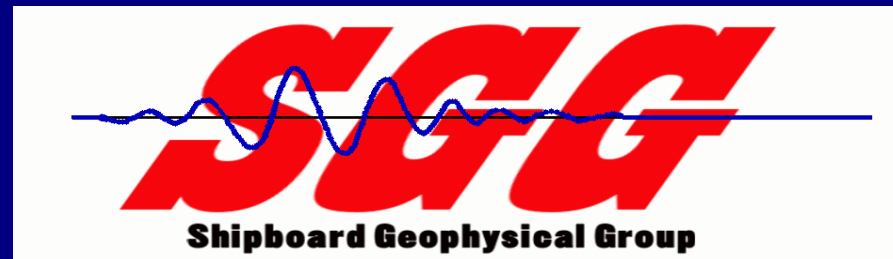




Scripps Institution of Oceanography

High Resolution
Portable Seismic System



Previous Acquisition System (2003)

Stratavisor NX

4Ch AMG Streamer

2 GI Guns

DDS-3 Tape Drive

Real Time Systems Sureshot Gun Controller

Current High Resolution Setup

48 Channel Geometrics GeoEel

- silicone filled

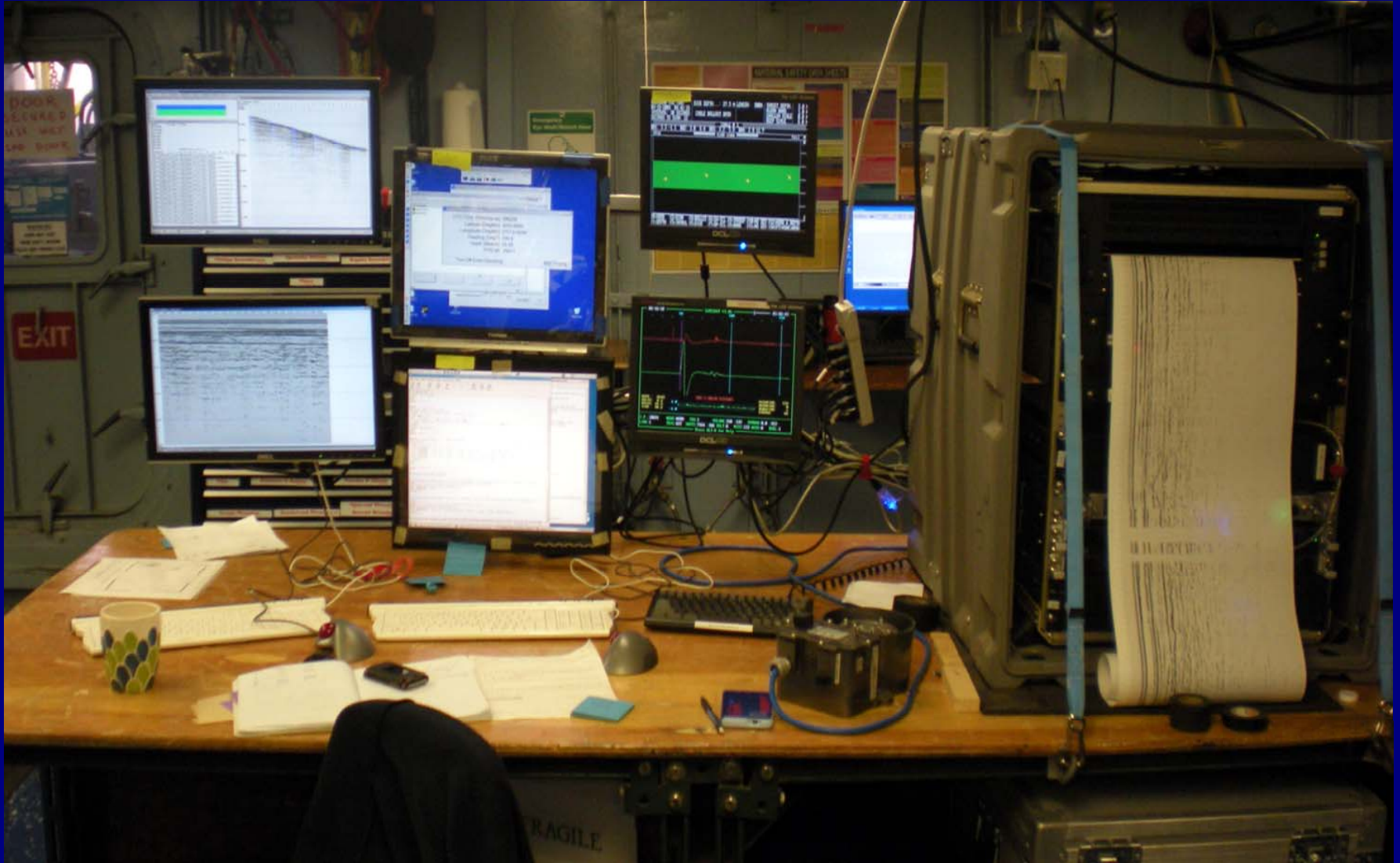
3 GI Gun Inventory (use two, one spare)

5 Digicourse 5010, 5011 Birds (Loan LDEO)

1 272 Bird Modem (Loan LDEO)

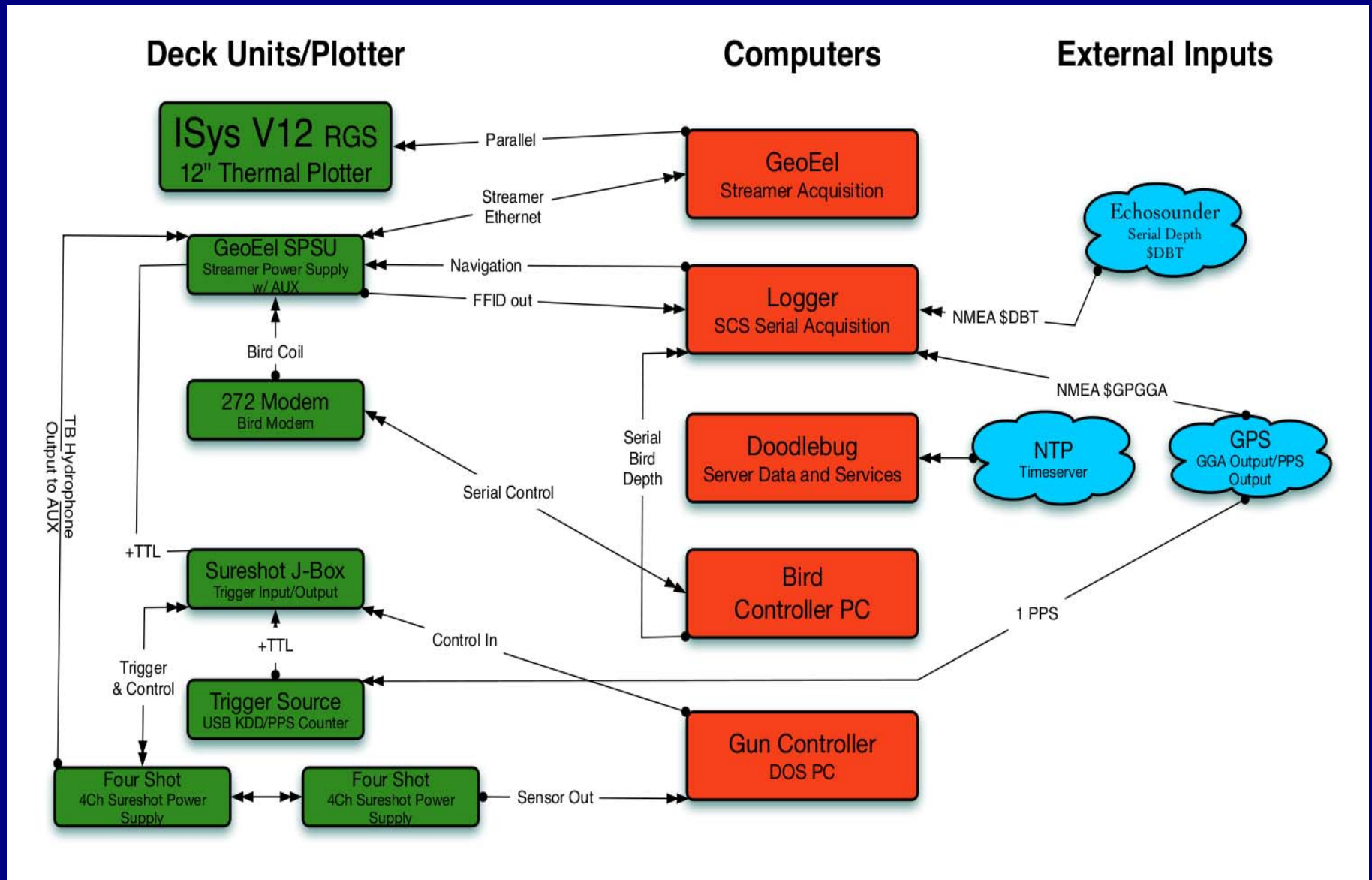
Real Time Systems Sureshot Gun Controller

Dry End Equipment

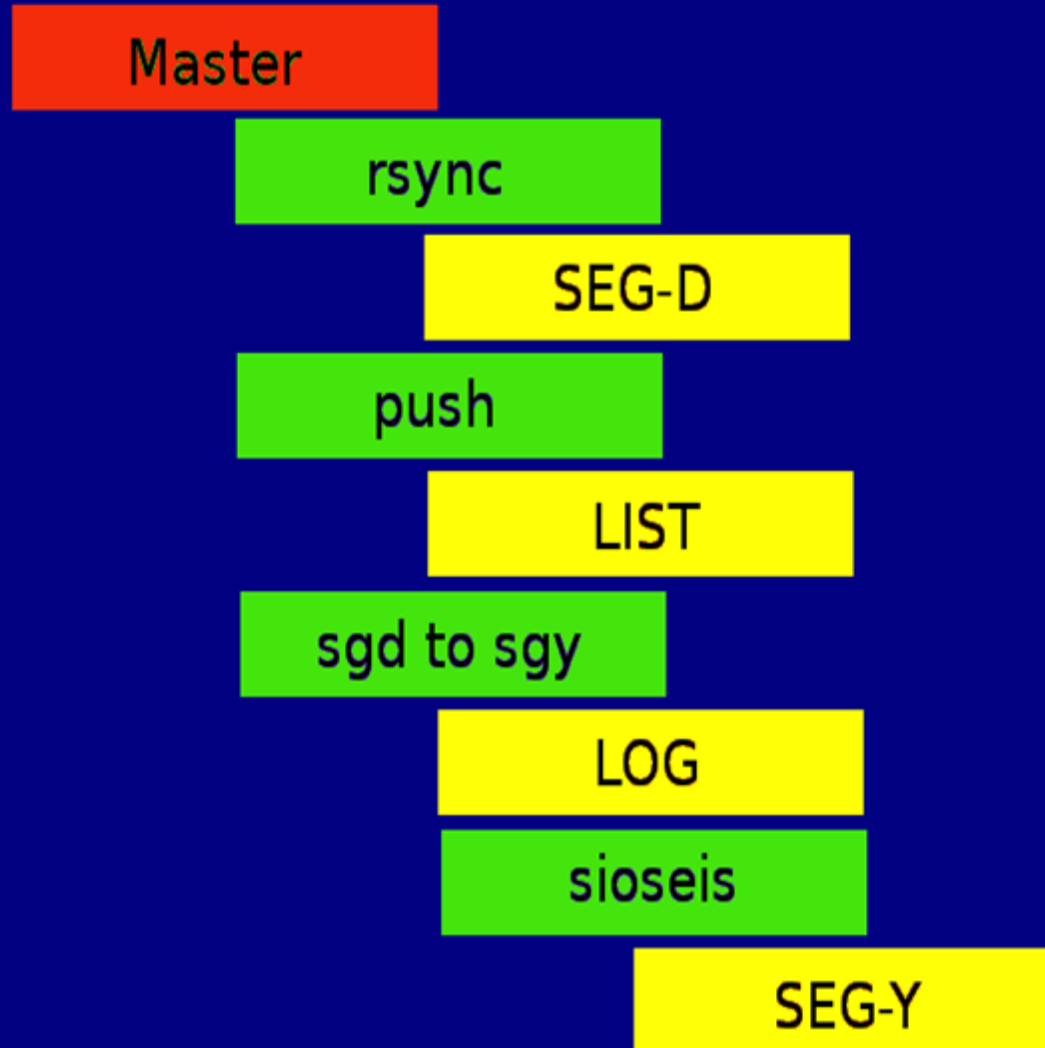


R/V ENDEAVOR, 2009

Acquisition Details



Real-Time SIOSEIS Implementation

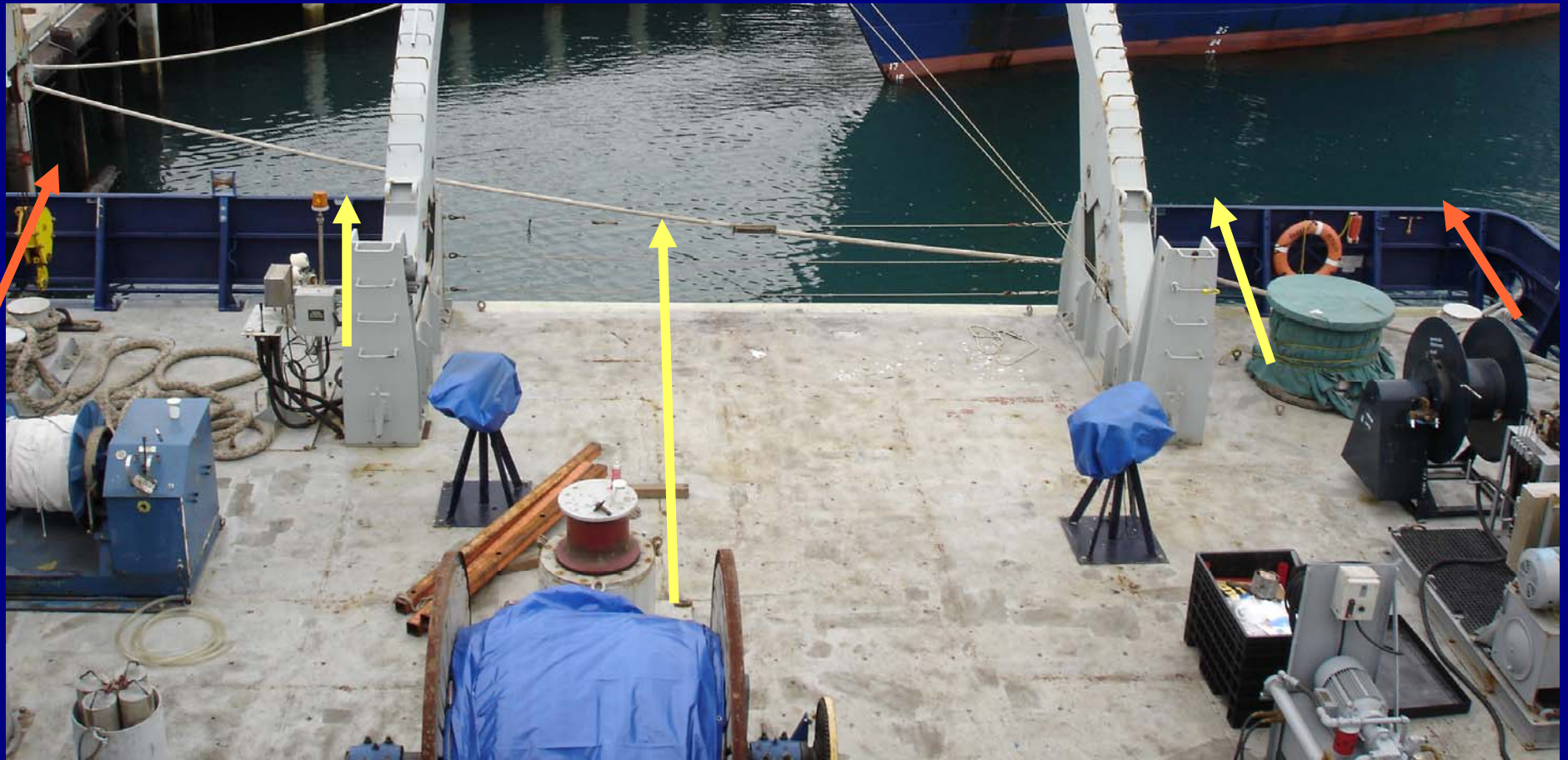


Deck Equipment



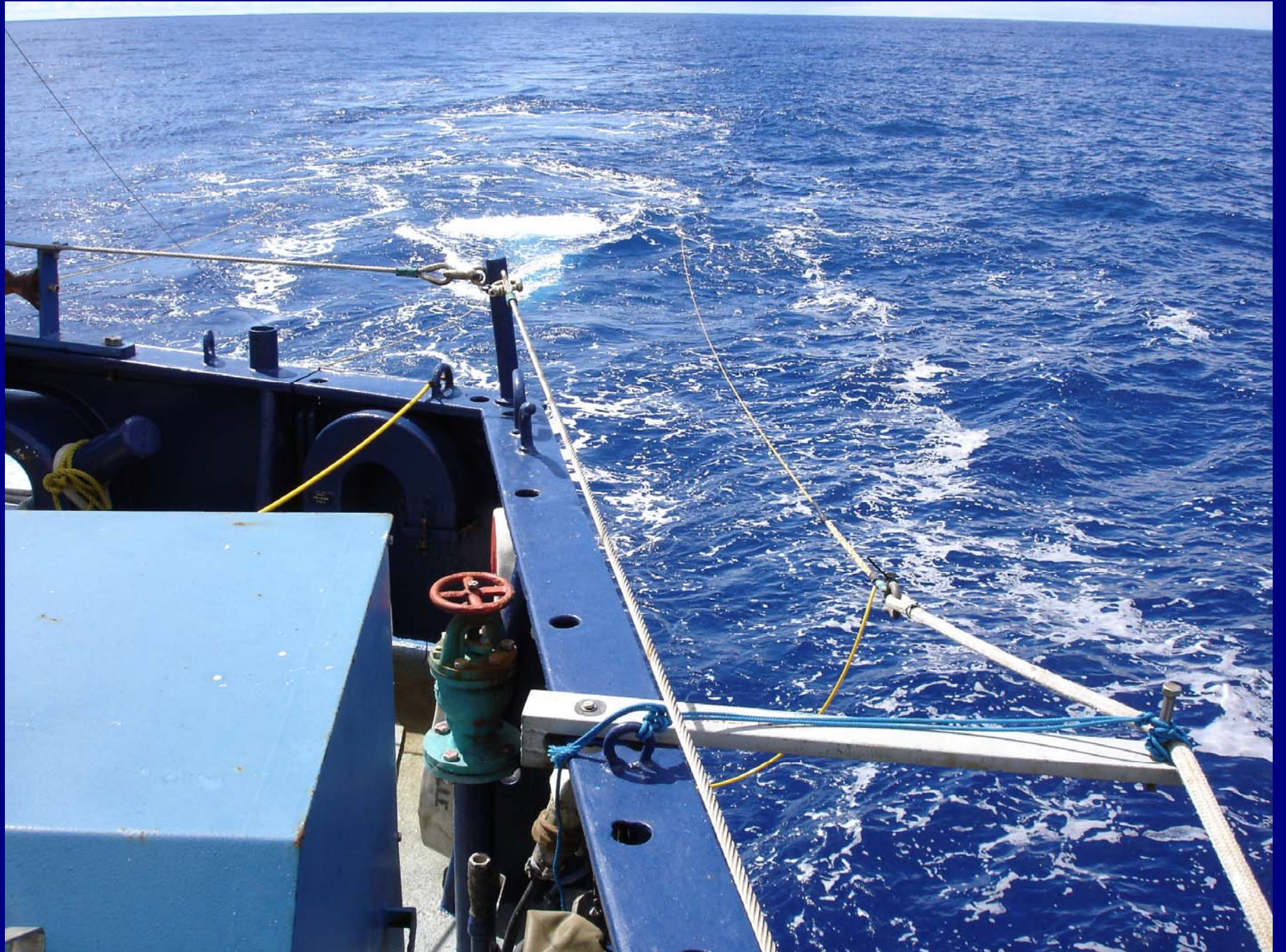
R/V ENDEAVOR, 2009

Towing Configurations

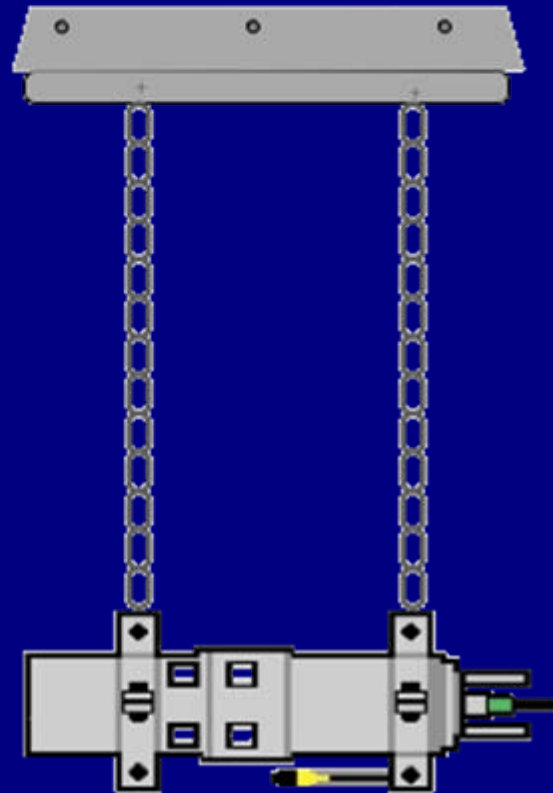


R/V ROGER REVELLE

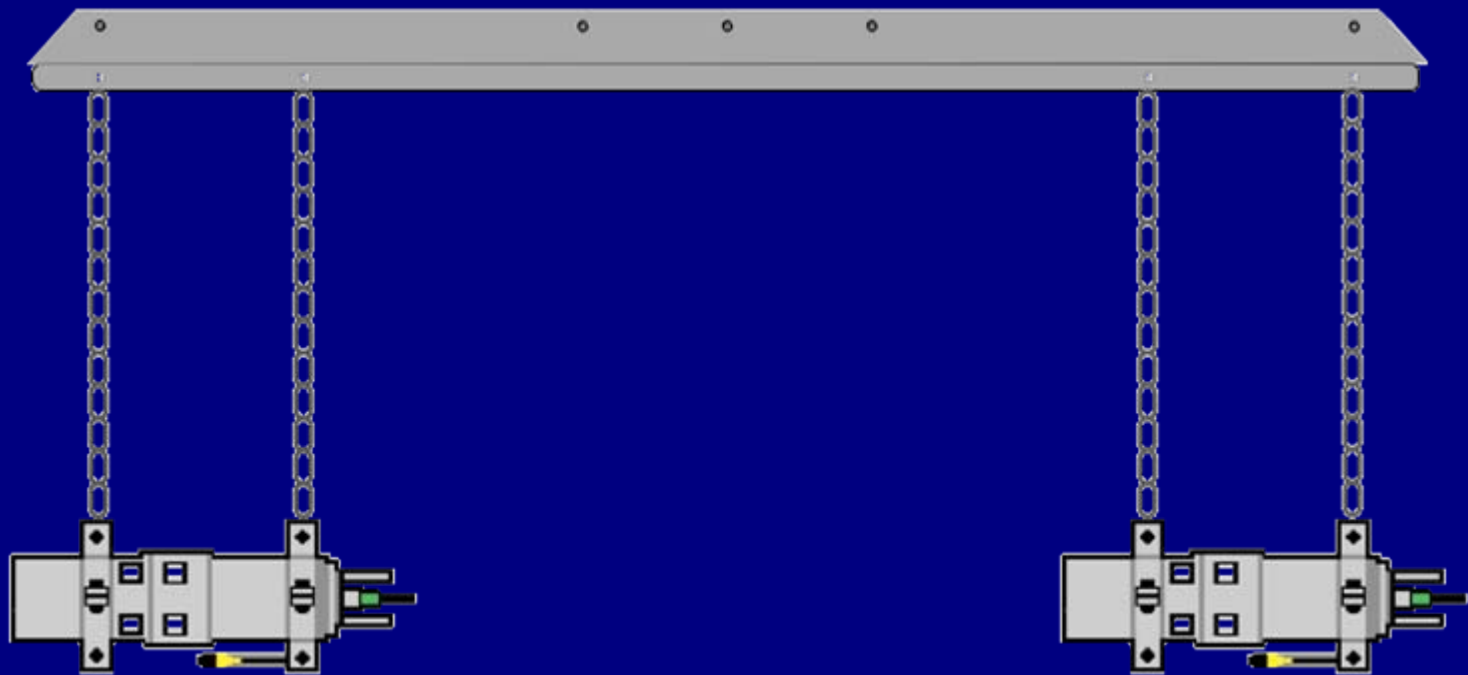




Single Gun



Two Gun



Two Guns - One Tow point



Two Gun

Pros

- Single tow point
- Consolidated umbilical

Cons

- Increased difficulty in deployment
- Repairing one gun brings down the entire system





Compressor

- 5 cruises with rental compressors
- 3 different companies
- varying capacities, both diesel and electric
- they have all failed in some fashion immediately

Solutions?

Scheduling Conflicts

Summer 2007

- Revelle
 - 51 days, Singapore, Aug 6th
- Wecoma
 - 7 days Newport, OR, Sept 5th
- Only 30 days
 - ~\$20,000 Air Freight

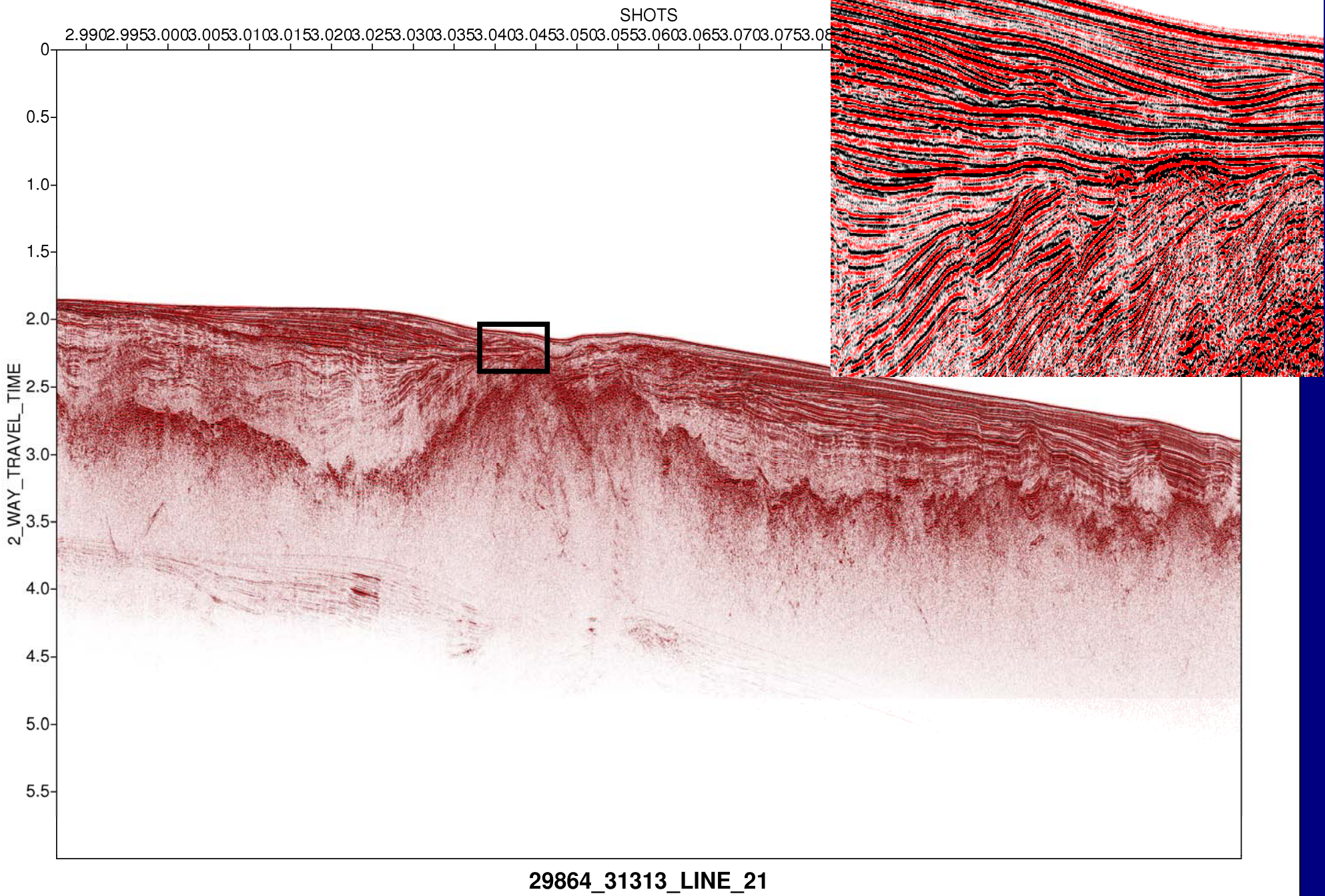
Summer 2009

- Francisco de Ulloa
 - 20 days, Ensenada, MX July 1st
- Wecoma
 - 6 days, Newport, OR July 14th - July 20th
- Endeavor
 - 13 days, Narragansett, RI, Aug 12th

Scheduling Conflicts

Fall 2010

- Healy
 - tentative unloading
 - Oct 9th from Dutch Harbor
 - Oct 28th from Seattle
- Melville
 - Load in San Diego by Oct 9th
 - Load in Puntarenas, Costa Rica Oct 19th



* Jared Kluesner, Peter Lonsdale, unpublished