HI-RES 2010
SPROUL Schedule JUNE 1-30
Chief Scientists: Eric Terrill (SIO) & Tom Herbers (NPS)

Notes:
FLIP site to Sausalito: 65 NM / 8 hrs
FLIP site to Moss Landing: 123 NM / 16 hrs
FLIP site to Bodega anchorage: 18 NM / 2.5 hrs

SIO Personnel: Eric Terrill, Joel Hazard, Tony dePaolo, Tom Cook, Shannon Scott, Evan Walsh
SIO STS: (?)
NPS Wang Group: Qing Wang, Dick Lind, David Cheney
NPS Herbers Group: Tom Herbers, Paul Jessen, Dave Colbert
SFSU: Tim Jannsen, SFSU student (TBD)

Cruise schedule:
MAY 25: Begin Loading Terrill van and tower using MARCO crane brought in for FLIP
MAY 27-31: NPS Wang group and SIO continue loading and ship prep
JUNE 1: Sproul departs MARFAC 0800
  SIO(3): Terrill, Hazard, Walsh
  STS(0)
  NPS(1): Lind
  Total science party: 4
JUNE 3: Sproul arrives at USCG facility in Monterey, Load Herbers Gear, depart 1600
  SIO(4): Terrill, Hazard, Walsh, dePaolo,
  STS(2): TBD
  NPS(4): Wang, Lind, Herbers, Jessen, Colbert
  Total science party: 10
JUNE 4: Arrive at work site mid am. Support FLIP mooring ops with ADCP data. When FLIP moored, deploy Datawell mooring
JUNE 8: Pick up SIO(2) Cook, Scott from FLIP or xfer from R/V Mussel Point to Sproul for offload in Sausalito. Leave pm for Sausalito
JUNE 9: Crew xfer #1 Sausalito, leave dock in pm
  SIO(2): Cook, Walsh
  STS(1): TBD
  NPS(4): Lind, Herbers, Jessen, Colbert
  Total science party: 7
JUNE 14: 2000 depart for Sausalito for 0800 arrival
JUNE 15: Crew xfer #2,
  SIO(2): Terrill, Hazard
  STS(1): TBD
  NPS(4): Lind, Jessen, Jannsen, SFSU student (TBD)
  Total science party: 7
JUNE 16: Crew Rest Day -- leave dock 2000 for 0800 arrival 6/17 at worksite
JUNE 21: 2000 depart for Sausalito for 0800 arrival
JUNE 22: Crew xfer #3, leave dock 2000 for 0800 arrival on 6/23 at worksite
  SIO(2): dePaolo, Hazard
  STS(1): TBD
  NPS(4): Lind, Jessen, Herbers, SFSU student (TBD)
  Total science party: 7
JUNE 27 1700 depart for Moss Landing/Monterey
JUNE 28 arrive Moss Landing/Monterey in am, offload NPS gear, underway in afternoon
  Total science party: TBD (estimated 2)
JUNE 30: Sproul arrives MARFAC mid afternoon
**Ship Equipment:**
CTD + beam C + CHL fluorometer + DO
ADCP
WINCH
Trawl winch with 5/8” wire
Fleet Broadband internet

**Science Gear:**
SIO VAN w/ 60’ radar tower
SIO Wave drifters, qty 20
SIO bow altimeter and lidar
SIO assorted met buoys and radar reflectors
NPS SODARS, qty 2
NPS helium tanks
NPS weather balloons
NPS MET towers (forward tower + bridge tower)
NPS Datawell buoys
NPS Datawell mooring

**Nominal Space allocations:**
SIO: SIO van and downstairs dry lab
NPS Wang: dry lab
NPS Herbers: upstairs lab van

**General Ops area:**
Pt Arena to Bodega Bay, and offshore to 30nmi

General Ops plans: Deploy and recover equipment in the vicinity of FLIP. Coordinate data collection with aircraft overflights.
Mooring line layout for depth larger than 17 m

All shackles stainless steel AISI316 except shackle to bottom chain

DIRECTIONAL WAVERIDER

- shackle 12 mm
- 5 kgs chain coupling
- shackle 12 mm
- 30 m rubbercord with terminals

For depth less than 35 m
Float approx. 10 kgs buoyancy

- Polypropylene rope, multiplait, 12 mm diam. mounted on PP terminals
  length: low tide depth minus 90 m (negative length should be considered zero)

- Nylon covered galvanised steel wire rope, 8 mm diam. mounted on NS terminals
  length: low tide depth minus 40 m but not more than 50 m
  (negative length should be considered zero)

- Polypropylene rope, multiplait, 12 mm diam. mounted on PP terminals
  length = depth + 8 m
  deep water extreme conditions: 2 x depth minus 27 m

3 kgs float
10 m above seabed

sinker
approx. 500 kgs of chain