

Draft cruise plan for RV Roger Revelle, Manta, Ecuador to Arica, Chile

Manta, Ecuador 00° 55' 35''S, 80° 43' 02'W
 Waypoint 1 0° 51.3'S, 80° 47.3'W
 Waypoint 2 0° 51.3'S, 85°W (252.7 nm from Waypoint 1)
 Buoy 20°S, 85°W (1148.7 nm from Waypoint 2)
 Waypoint 3 72°W, 20°S (732.8 nm from mooring)
 Arica, Chile 18° 28'S, 70° 20'W (131.8 nm from Waypoint 3)

Draft Cruise Plan (based on cruising speed of 12 knots)

Nov 4, 2003	0800 local	RV Revelle arrives Manta, unloading
Nov 5,6, 2003		RV Revelle in Manta, unloading
Nov 7, 8, 2003		RV Revelle in Manta, loading
Nov 9, 2003	1600 local 1700 local 1800 local 1900 local	RV Revelle departs Manta clear harbor steaming 1 hour to NW into Bahia Manta at 6 knots at Waypoint 1 turn to steam west at 12 knots
Nov 10, 2003	1000 local 1200 local 2000 local	stop, test CTD profile to 1500 m (2 hours) at same site, test lowering of acoustic releases (2 hours) arrive Waypoint 2, turn to steam south along 85°W at 12 knots
Nov 11, 2003		underway south along 85°W
Nov 12, 2003		underway south along 85°W
Nov 13, 2003		underway south along 85°W
Nov 14, 2003	2000 local 2200-2400	underway south along 85°W arrive vicinity of buoy, visual inspection of buoy (2 hours) SeaBeam bottom survey site for PMEL/SHOA DART mooring
Nov 15, 2003	0000-0500 0600 local	finish bottom survey position ship 1/4 nm downwind of WHOI buoy, bow into wind for 24 hour comparison
Nov 16, 2003	0700 local 0800 local	fire acoustic release recover WHOI surface mooring

Nov17, 2003		photograph, clean, instruments, buoy
Nov 18, 2003		deploy new WHOI mooring
Nov 19, 2003	0600 local	begin ship-buoy comparison, ship 1/4 mile downwind, bow into wind
Nov 20, 2003		deploy PMEL/SHOA DART mooring
Nov 21, 2003	0500 local	depart for Waypoint 3, steam at 12 kts
Nov 22, 2003		underway east along 20°S
Nov 23, 2003		underway east along 20°S
Nov 24, 2003	1900 local	arrive Waypoint 3, turn toward Arica
Nov 25, 2003	0600 local 0800 local	arrive off Arica enter Arica
Nov 26, 2003		in Arica, unload