

## **Draft Schedule for '09 Philippine Sea Pilot Study/Engineering Test**

Day 1 – Travel

Day 2 – Travel

Day 3 – Dockside preparations – Staging shipment, initial check of hardware

Day 4 – Mobilization – Load ship (11 April)

Day 5 – Mobilization – Load ship (string cables, mount antennae, test electronics, etc.)

Day 6 – Mobilization – Dockside testing (practice deploying sources/pressure case)

Day 7 – Complete Mobilization – Dockside testing (practice deploying TCTD surface float) and Begin Transit at 1600\* on 14 April

Day 8 – Transiting to SS0.5 (Note: SS0.5 and SS1.5 are 50 and 111 km from DVLA in this plan, actual ranges will depend on SVP at time of Pilot Study/Engineering Test)

Day 9 – Arrive SS0.5 (16 April) ~0300, 0900 conduct deep CTD (4 hours), deploy and survey bottom transponders 1300-2400

Day 10 – 0800 Deploy and calibrate HX554 source\*\* (start xmits ~1000)

Day 11 – Continue transmitting from HX554 source at 1000 m depth

Day 12 – Recover HX554 source at 0800 and deploy, calibrate and transmit with the MP source at 1000 m depth (start MP xmits ~1000)

Day 13 – Continue transmitting with the MP source at 1000 m depth

Day 14 – 0500 raise MP source to 150 m, recover MP source at 0800, at 1000 deploy J15; tow at 5 knots to DVLA and then to SS1.5, use 15 and 75 m depths equally, total distance 155 km or 83.6 nm, arrive SS1.5 at 0400 on Day15 (with 1+ hour turn around)

Day 15/16/17 – Deep CTD 0800-1200; deploy TCTD, start tow at 1400 ending back at SS1.5

(SS1.5 to DVLA @ 4 knots 1400-0430 on Day 16, one hour to turn ship 180 degrees, DVLA to SS1.5 @ 5 knots 0530-1700, SS1.5 to 100 km toward T1 @ 6 knots 1700-0200 on Day 17, one hour to turn ship 180 degrees, return to SS1.5 @ 6 knots 0300-1200)

Day 17 – Arrive SS1.5 ~ 1200; recover TCTD, take deep CTD 1400-1800, deploy, calibrate, and transmit from HX554 source at 1000 m depth (xmits start ~2000)

Day 18 – Continue transmitting from HX554 source at 1000 m

Day 19 – Recover HX554 source 2000-2200, deploy, calibrate and transmit from MP source at 1000 m (start xmits ~2400)

Day 20 – Continue transmitting from MP source at 1000 m (start xmits ~1000)

Day 21 – Continue transmitting at 1000 m, at 1900 raise to 150 m for 3 hours, then recover 2200-2400

Day 22/23 – 0800-1200 deep CTD, deploy TCTD, underway ~ 1400 for R/T to DVLA\*\*\* and back to SS1.5, (at 5 knots 1400-1400 on Day 23)

Day 23/24 – J15 5 knot tow at 15 & 75m equally, to DVLA and back to SS0.5, 1600-1000 on Day 24

Day 24 – 1 May, 1200-1600 deep CTD, recover transponders, begin transit to Kaohsiung at 2100

Day 25 – Transiting

Day 26 – 3 May, Arrive Kaohsiung ~ 0800 local start demobilization

Day 27 – 4 May, Complete demobilization

Day 28 - Travel to CONUS

Day 29 – Travel to CONUS

+ one day for equipment and weather contingency

\* All times are local

\*\* All HX554 and MP tests may include simultaneous J15 suspended transmissions

\*\*\* May include simultaneous J15 tow.

\*\*\*\* May include simultaneous TCTD tow.

Personnel: Mercer, Andrew, Bell, Karig, Gullings, McGinnis, Boget, Ganse, White, Sean (MPL), Ilya (WHOI), Irina (WHOI)