

OR1 Operations

Glen Gawarkiewicz

MIT Meeting

July 31, 2009

Outline

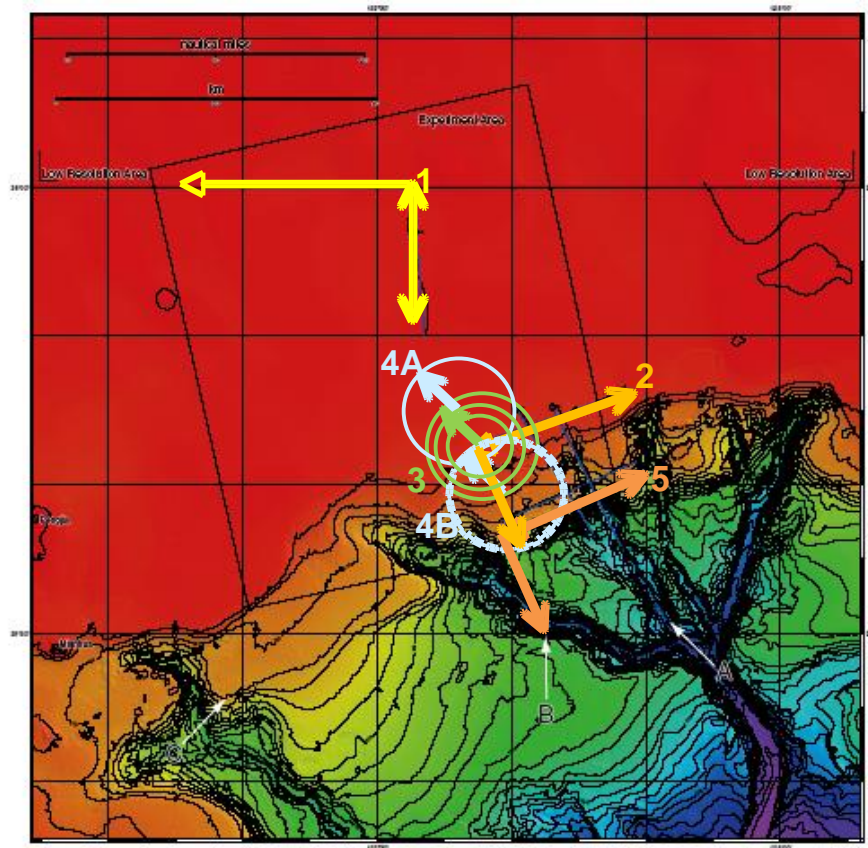
- Go over cruise plan
- Discuss general issues for further discussion (siting of moorings, adaptive sampling)
- Come up with action items including questions for Skype meeting with Jan Sen and Chifang next week

OR1 First Leg

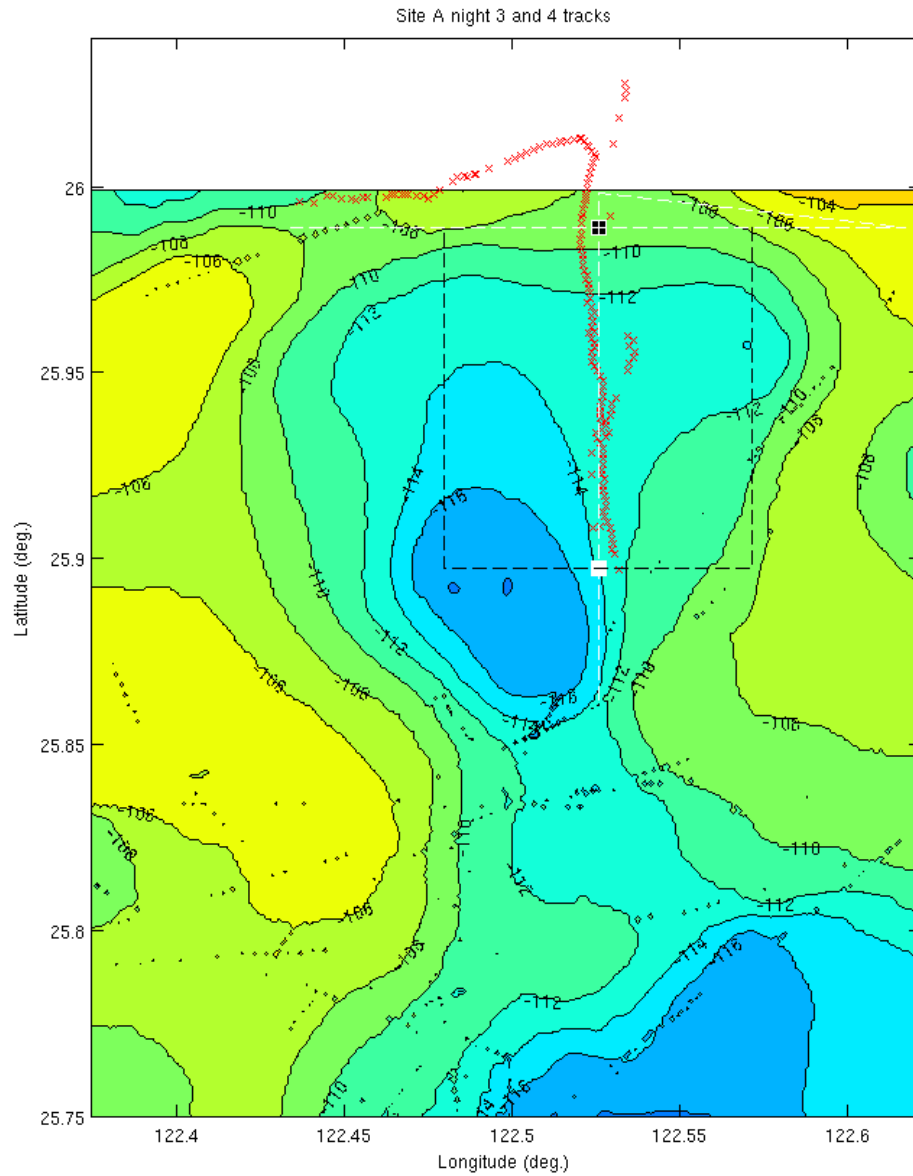
- Departing Kaohsiung
- Shipment diverted
- DC Wang will handle customs
- Jan Sen is happy not to deal with customs issues for this shipment
- OASIS still needs to coordinate Pilot Air agent with DC Wang and get storage arrangements
- OASIS had to switch one shipment to air (mil-to-mil) and other one is still heading to Keelung-too late to change paperwork

Working Areas

Overview of TL Runs

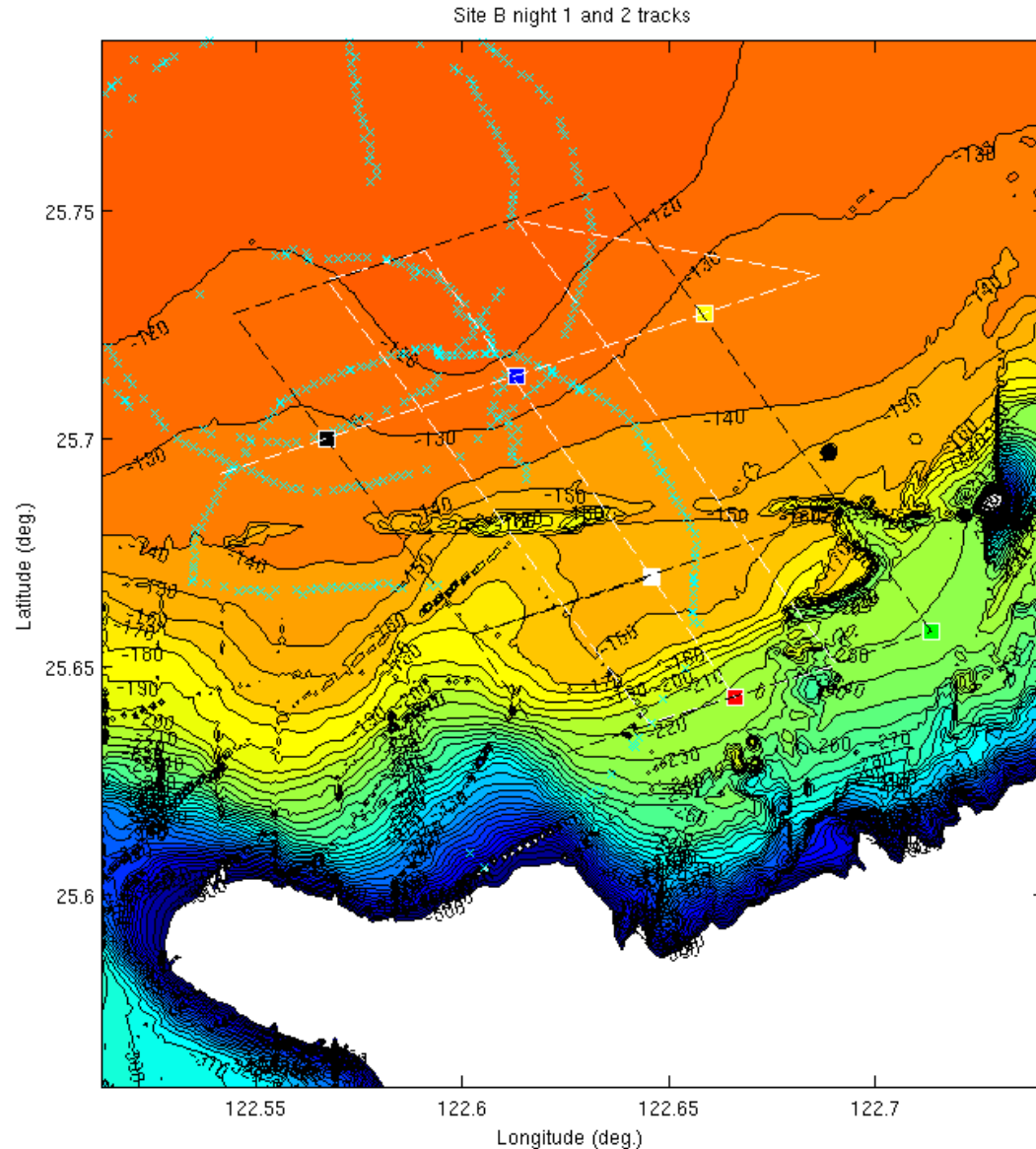


Close-up of Site A

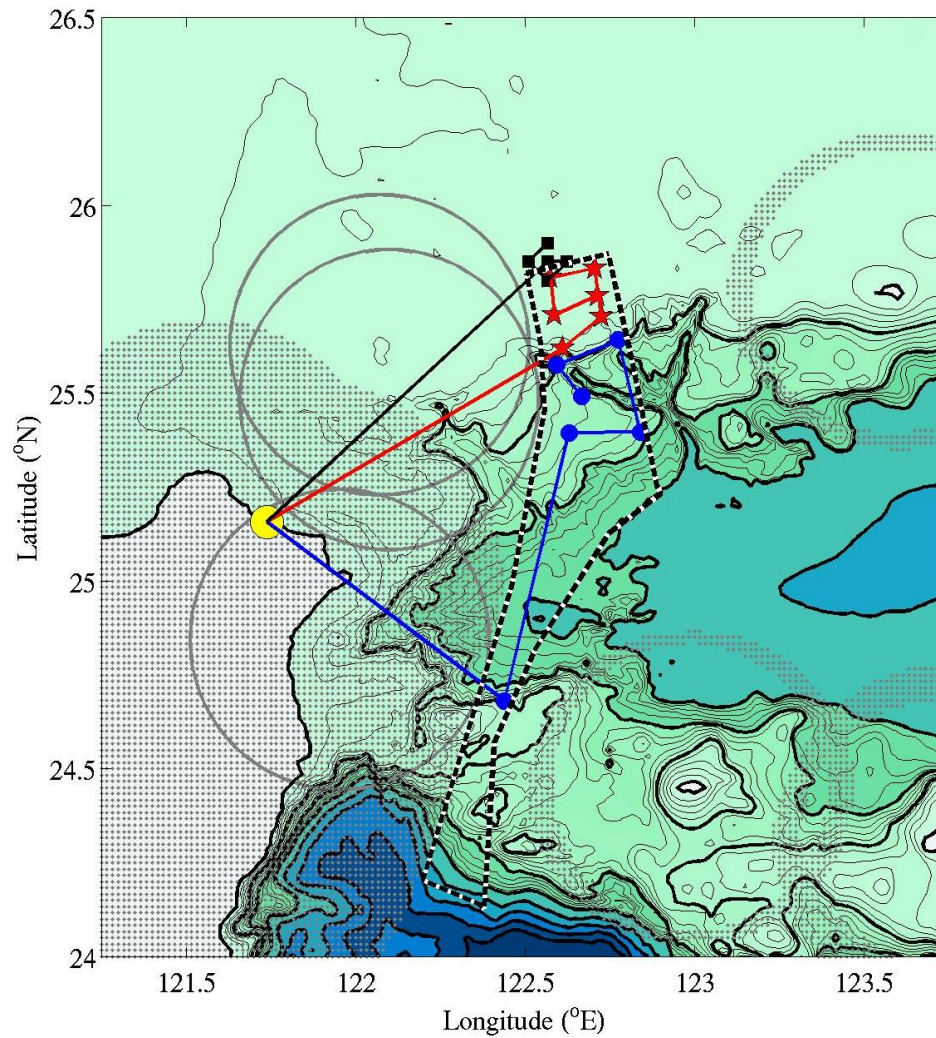


Close-up of Site B

Add second
SHRU at 200 m
isobath in spur
of canyon



PO Operations (Revelle)



Personnel

Leg 1

Jan Sen, Chief Sci.
NTU SeaSoar Team
Lynch
McPhee
Ostrom
Bahr
Marquette
Heaney
Morton
T. Abbot
McCall (SIO)
2 NTU acoustics
students

Leg 2

YJ Yang, Chief Sci
NTU SeaSoar Team
Duda
McPhee
Ostrom
Gawarkiewicz
Bahr
Marquette
Morton
Emerson
McCall (SIO)
2 NTU students

Leg 1 Timetable

- Aug 21-22 Mobilization/Loading
- Aug 23 Depart for Study area
- Aug 24 Deploy moorings, OMAS at night
- Aug 25-27 OMAS/Seasoar Site B
- Aug 28 Recover at Site B, Deploy at Site A
- Aug 29-30 OMAS/Seasoar Site A
- Aug 31 Recover Site A, depart Keelung
- Sept 1 Arrive Keelung
- Sept 2 Processing
- Sept 3 Science meetings

Leg 2 Timetable

- Sept 4-Depart Keelung, deploy Site B night OMAS
- Sept 5- Finish deploy, Seasoar
- Sept 5-8 OMAS/Seasoar
- Sept 9 Recover Site B, Deploy Site A
- Sept 10 OMAS/Seasoar
- Sept 11 Recover Site A, recover Yang
- Sept 12 Arrive Keelung
- Sept 13 Demobilize
- Sept 14 Prepare return shipment

Open Issues for Skype

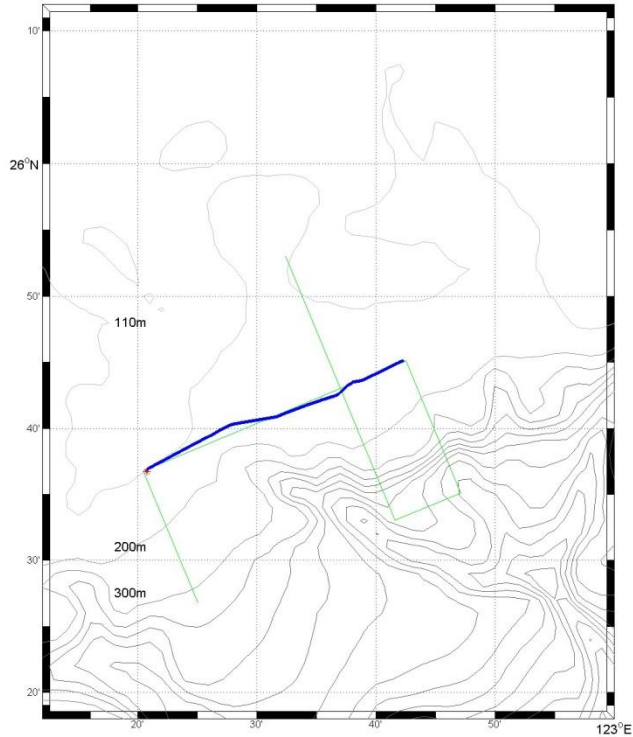
- Museum availability in Sept.
- Arrival/departure times
- Geoacoustics cruise and OR2 operations with Chifang
- Recovery plans for straying floats and restrained drifters
- Taiwan Strait transports from tide gauges

OMAS Leg 1 OMAS

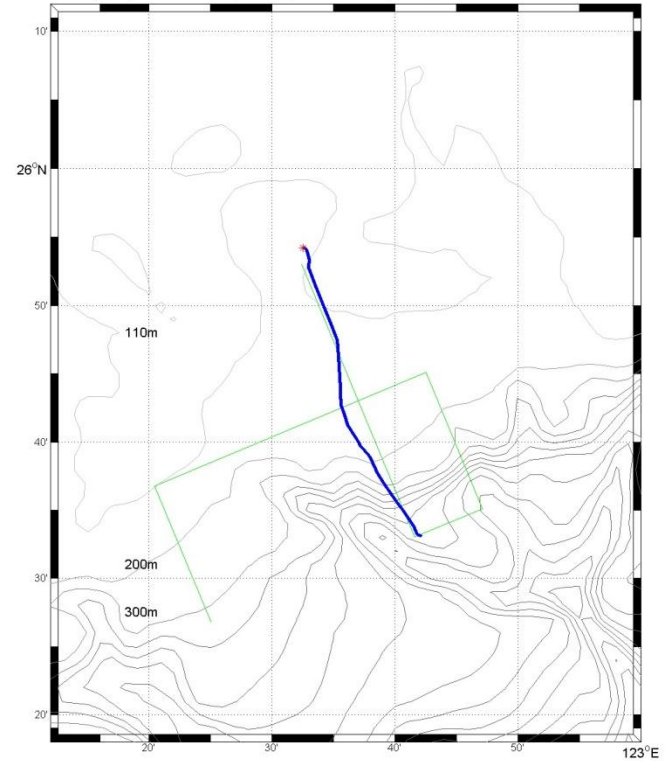
- Aug 24 Shakedown Site B Along/across shelf 125 m isobath
- Aug 25 Two circles, trans. Invariance, 125 m isobath
- Aug 26 offshore run from Site B over second SHRU- fixed depth? Stairstep?
- Aug 27 canyon run- down axis
- Aug 28 Site A Along/across 110 m isobath
- Aug 29 24 Hour coverage (consecutive OMAS runs) Site A

SeaSoar Tracks

QPE08, September 2008, survey 2 section 3; 09/08 04:08 to 09/08 06:32 GMT



QPE08, September 2008, survey 2 section 1; 09/07 23:34 to 09/08 02:22 GMT



OR1 Leg 2 OMAS

- Sept 4 Site B- First adaptive- alongshelf-model
- Sept 5 Second- Second adaptive- alongshelf using SeaSoar data and model
- Sept 6 Third- Cross-shelf over shelfbreak and upper slope
- Sept 7 Fourth- Cross-shelf onshore- Cold Dome structure
- Sept 8 Fifth- canyon focus
- Sept 9 Site A- onshore edge Cold Dome
- Sept 10 contrasting bottom types (ridge to depression)

Model Info

- Do we want to have fixed sections a priori for nowcast/forecast?
- Sending ocean and TL nowcast/forecast from MIT
- Will have ambient noise modeling
- Heaney has pptx with list of models

Action Items

- Figures with Leg 1 OMAS/SeaSoar runs
- Questions for Chifang about OR2 operations-advice?
- Geoacoustics coordination with Chen/Holland/Dettmer
- Review NTOU historical AVHRR/MODIS and Lee glider sections
- Work out recovery plans for Centurioni and Sanford
- Data sharing agreement