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<b>Event #(s):</b> O-313-N	<b>E-mail:</b> tchereskin@ucsd.edu	<b>Cruise #:</b> NBP08-12

**Required fields are highlighted in yellow. Click in the gray text box to enter comments.**

Send completed outbrief form to [marine.super@usap.gov](mailto:marine.super@usap.gov)

Planning Services	
<input type="checkbox"/>	SIP Process Met Expectations?
Comments: Our SIP was in on time, but medical packets did not arrive until late June/early July. It would be helpful to begin the PQ process earlier.	
<input type="checkbox"/>	RSP helpful and timely?
Comments: Yes	
<input type="checkbox"/>	POC Responsive?
Comments: Yes	

Medical Services	
<input type="checkbox"/>	Kits received on time?
Comments: No. We need to begin the PQ process earlier next year.	
<input type="checkbox"/>	Questions answered?
Comments: Not always. Karen Tracey has requested a copy of the LabCorp results 3x, to no avail.	

Travel Services	
<input type="checkbox"/>	TRW available and understandable?
Comments: We need to begin travel arrangements earlier. We were not ticketed until 2 weeks prior, and our cruise took place during the high season for tourism. Many flights were unavailable. One person from the East coast had to fly from Boston to Punta Arenas via Los Angeles. The Raytheon Travel Specialist was an intermediary between grantees and the travel agent. This seems to increase the chance for miscommunication and misunderstanding. It would be preferable to work directly with the travel agent.	
<input type="checkbox"/>	Ticketing completed easily?
Comments: Several members of the science party had errors in their tickets or had to phone multiple times to get their tickets changed.	
<input type="checkbox"/>	Meet and assist service met requirements?

Comments:

Yes. AGUNSA meet and assistance was excellent, as usual.

### Environmental Services

Sample permits received okay?

Comments:

Yes, clearance process was very timely.

ACA permits received okay?

Comments:

Waste handling needs met?

Comments:

Yes

### Equipment Availability

Requested equipment available?

Comments:

Yes

Damaged?

Comments:

Benthos DS7000: The RPS-supplied Benthos deck unit did not function correctly. It was unable to detect our telemetry signals. We substituted the URI Benthos DS7000 deck unit, which we used for the duration of the cruise. (The URI unit was meant to be the backup.) The Benthos DS 7000 should be returned to Benthos for troubleshooting.

Autosal: At the beginning of the cruise, the primary autosal (s/n 61670) did not operate as expected. It reported inaccurate and nonreproducible results, as seen in comparing the results from Stations 1-6, our first set of bottles, with the later run of duplicate samples for these same 6 stations. One problem was finally identified when the instrument would no longer log data and was traced back to two broken wires on the communication port of the salinometer. Once this problem was corrected (wires reattached), the salinometer performed within expectations in calm seas, although the rms differences between the bottle salts and the CTD (about 0.008 to 0.010 psu) are not as good as last year (0.004 psu). The pair of CTD conductivity sensors used for the greatest number of casts agreed much better with each other, to within 0.001 psu, than with the bottle salts. Unfortunately, there were several changes of conductivity sensors during the cruise. In rough seas the MST noted that the instrument would have difficulty filling the cells correctly due to the tilt of the ship. The second salinometer (s/n 58650) which was loaded aboard as a backup was not functional during this trip. Having a functional second autosal aboard would alleviate the back logging that occurred while the primary was being repaired. On a cruise with more water sampling than ours, the backlog could have caused samples to be lost once all available bottles were in use. Also, the age of the salinometers is showing as evidenced by the cracking of the solder on the wires causing the disconnection.

CTD sensors: 1 primary conductivity probes failed: s/n 2513 2 secondary conductivity probes failed: s/n 1798 and 0924.

Equipment Availability	
<input type="checkbox"/>	Late?
Comments: <input type="checkbox"/>	
<input type="checkbox"/>	ECW gear in good condition?
Comments: Yes.	
<input type="checkbox"/>	Lab space adequate?
Comments: Yes	
<input type="checkbox"/>	Remote sensing support needs met? (TeraScan, RadarSat)
Comments: Not needed this cruise but some were provided anyway. Great support receiving weather updates from Palmer Station.	

Hotel Services	
<input type="checkbox"/>	Cabins clean and neat?
Comments: Yes	
<input type="checkbox"/>	Linens clean and in good condition?
Comments: Yes	
<input type="checkbox"/>	Food quality and variety was good?
Comments: Wonderful. Food was great.	

Research Objectives	
<input type="checkbox"/>	All accomplished? If not, please explain (weather, ice, equipment, personnel, etc.)
Comments: Definitely	

Future Cruises	
<input type="checkbox"/>	If returning for another cruise, are there any additional equipment or support needs your group anticipates?
Comments: Be allowed a larger science party if needed.	
<input checked="" type="checkbox"/>	Anything you would like to see changed?

### Future Cruises

Comments:

Yes The Port Hueneme shipping facility marked the outside of our plastic boxes with permanent markers for the ComSur shipment for this cruise. Since the writing cannot be removed, it will become confusing for future shipments of our equipment to other vessels.

### Personnel Issues/Concerns

ECO

Comments:

Top notch ship handling.

RPSC

Comments:

Excellent energy and support.

### Other Issues

Diving, Zodiac, E-mail support, interaction with stations, etc.?

Comments: