T	Marine Science Outbrief - Raytheon Polar Services				
Chief Scientist: Alisa Miller Event#: G-071-N			Ph: (626) 395-6938 (Dr. Stock) E-mail: amiller@gps.caltech.edu	Cruise #: NBP05-01B	MPC: Evers
Even	<b></b>	-071-11		NDF 05-01D	Date: 3/24/05
Yes	No	Planning		I	<u> </u>
X		SIP process adequate?	I was not involved in the SIP proce this cruise. I believe everything we Cande in these regards.		
x		RSP helpful and timely?	The RSP has been useful on board	d.	
x		POC responsive?			
		Medical			
N/A		Kits sent out on time?	Not required for this cruise.		
N/A		Questions answered?			

Event#: G-071-N		-071-N	
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Yes	No	Travel	
X		TRW available and understandable?	Overall, the staff was very helpful and accommodating. They were very quick to respond to any questions and/or concerns. When some staff members were not available, they had provided information on who else could be contacted.
x		Ticketing completed easily?	A few notes: One overnight package that should have shipped on a Monday or Tuesday did not arrive until a Friday: That person's day of departure. The Denver office responded extremely well in dealing with this problem.
x		Meet and assist service met requirements?	One science member was not initially aware that a reservation would be made for them in Christchurch. For cruises with geographic distributions of participants akin to this cruise (especially when they are removed from the PIs), some participants may need to be more thoroughly briefed on details of travel. They may be traveling alone and not confident in this type of travel, and get anxiety over some aspects.
x	x	Equipment Availability Requested equipment available? Damaged? Late?	We had intended to deploy 1 XBT/day (type T5). However, the supply on board was not enough to allow this. This inventory problem may have stemmed from the planning of this cruise initially as one leg versus two. The RSP inventory noted 24 XBTs, but maybe more for 2 legs. At the start of this cruise, we had 18 T5s available to deploy, just a few short to be able to do one per day assuming all launches were successful. A launching timetable was developed and the quality of the data collected was not comprised.
N/A		ECW gear in good condition?	

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Yes	No	Lab Space	
X		Adequate? (electrical needs, bench space, water, etc.)	The appropriate space was provided and was exactly what we needed.
X		Remote Sensing support needs met? (QFax, Terascan, etc.)	
x		Quality of Hotel Services Cabins clean and neat?	The entire science party was extremely happy with the living conditions on the ship.
X		Linens clean and in good condition?	Everything was clean and in good condition.
x		Food quality and variety was good?	The food quality was outstanding and the variety of food available was widely praised.

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	Personnel Review	
	ECO	The entire science party found both staffs were helpful in all respects. They were very kind and friendly. Any questions or concerns the science party had were dealt with promptly and appropriately. Both ECO and RSPC staffs did not appear to hesitate when they had questions for the science party. This was a very good environment for effectively collecting scientific data.
	RSPC	
	Safe Practices	
	Please give us your feedback about safety onboard this USAP vessel. Please give as much detail as possible.	Appropriate safety measures appear to be in place. No safety concerns were raised by the science party.

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No	Research Objectives	
x	All accomplished? If not, please explain (weather, ice, equipment, personnel).	The collection of sub-bottom data, both digitally and on paper, had been requested in the RSP for the entire cruise; however, due to a number of circumstances, none of this data was recorded until the beginning of the third week of the cruise. The Knudsen had been operating fully since we left port, yet we only recorded depth values during the first two weeks. Aside from that problem, all other research objectives were accomplished.
	Future Cruises	
	If returning for another cruise, are there any additional equipment or support needs your group anticipates?	There should be a spare magnetometer on board. If the current magnetometer were to fail and not have a replacement, valuable data would be lost and a significant portion of the science agenda for a geophysics cruise would be compromised. A spare magnetometer could help limit the loss of an appreciable amount of data.
	Anything you would like to see changed?	
r	nt#: G : 3/24 No	x Research Objectives   X All accomplished? If not, please explain (weather, ice, equipment, personnel).   Future Cruises   If returning for another cruise, are there any additional equipment or support needs your group anticipates?

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Yes	No		
		<b>Other Issues</b> Diving, Zodiac, E-mail support, interactions with stations, etc.	IT support was excellent. Quick, solid, and consistent service was provided throughout the entirety of the cruise. The only IT issue was a small email glitch during the port call before the cruise started that delayed correspondence with waypoint information to on-board staff; however, no problems with data collection occurred due to this.

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## Additional Comments/Overflow: