

**Post Cruise Assessment Report Information**

**PCAR ID:** 103115

**Date Created:** 1/19/2017 3:35:00 PM

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**Cruise Information**

**Ship:** Oceanus

**Area of Operations:** NP09

**Cruise Dates:** 1/12/2017 - 1/16/2017

**Chief Scientist:** Miguel A. Goni, OSU-CEOAS

**Cruise Number:** OC1701A

**PIs and Funding Agencies:**

**PI:** Miguel A. Goni, OSU-CEOAS

**Funding Agency:** STATE

**Type of Work:** Oregon Ship Time

**Grant #:**

**Ship Personnel**

**Master:** Ron Short

**Marine Technician:** Croy Carlin & Barndon D'Andrea

**Completer's Information:**

**Person's Name:** Prof. Miguel A Goni

**Position on this cruise:** PI/Chief Scientist

**Institution:** College of Earth, Ocean, and  
Atmospheric Sciences

**Assessment:**

1. To what extent were the planned science objectives of this cruise met?

**rating:** 91-100%

**comment:**

We performed CTD casts/sampling, vertical micro-structure profiler deployments and underway surveys. We also attempted to recover mooring and exchange information with benthic instrument.

2. Rate how well the science party contributed to achieving the scientific objectives of this cruise (pre-cruise planning, communication, adequate personnel, equipment, attention to safety, organization, etc.).

**rating:** Excellent

**comment:**

Working with ship ops, captain and crew continues to be a very productive and positive experience.

3. Rate how well ship operator pre-cruise activities (planning, coordination, and logistics) and shore support contributed to achieving the scientific objectives of this cruise.

**rating:** Excellent

**comment:**

Ship ops and ship crew were greatly helpful in working the flexibility required for winter operations. Great communications insure we were all on the same page from point view of weather issues.

4. Rate how well the ship operator supplied scientific equipment and marine technicians supported this cruise (appropriate equipment, equipment operational and ready for cruise, calibrations, documentation, technicians trained and familiar with equipment).

**rating:** Excellent

**comment:**

As usual we had great mar tech support and all equipment worked properly.

5. Rate how well the scheduling of this cruise supported achieving the scientific objectives of this cruise (appropriate ship, year, season & dates, communications regarding schedules, online systems and scheduling process).

**rating:** Excellent

**ship requested:** None

**comment:**

We achieved the majority of our objectives given the challenging winter conditions. We were unable to recover a mooring but that was primarily due to our inability to establish communications with the acoustic release. Most likely the mooring has been dragged and moved away from its original position. Due to weather, we had to cut the cruise one day short, which meant we did not complete the northernmost transect. All other objectives were accomplished.

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6. Rate the level of safety in shipboard and science operations (safety briefing and instructions, procedures & equipment).

**rating:** Excellent

**comment:**

As usual the safety briefings of all operations was discussed ahead of the activity and carried out accordingly.

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7. Rate how well the officers and crew and the manner in which the research vessel was operated contributed to achieving the scientific objectives of this cruise (communications, ship handling, deck procedures, attitude towards the science objectives, training, adequate number of crew, shipboard routine, etc.).

**rating:** Excellent

**comment:**

The captain and crew worked closely with the science party to achieve the objectives of the cruise, including working under challenging weather conditions. As usual the Oceanus crew was excellent and great to work with.

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8. Rate how well the research vessel and its installed equipment contributed to achieving the scientific objectives of this cruise (material condition, readiness, living conditions and habitability, condition of lab spaces, design, layout, deck equipment, winches, cranes, frames, propulsion, power, etc.).

**rating:** Excellent

**comment:**

All equipment worked as expected.

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**9. Number of science days lost:**

due to weather: 1.00

due to ship equipment:

due to ship science equipment:

due to user science equipment:

**comment:**

Weather forecasts and conditions deteriorated on the last day and we made the call to end the cruise early rather than push to complete the northern most transect. Conditions became precarious on the last day confirming the correctness of our decision.

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