The R/V Medeia is operated by the Alaska Department of Fish and Game and based in Juneau Alaska. The vessel is a 110 foot, steel hull, twin screw supply boat. There is a pot hauler aboard, a 12 ton crane and a short gantry forward of the stern. The vessel can berth 8 science party members. Current charter rate is $4K per day, this includes fuel. Wade Loofbourrow is the current vessel captain but he plans to semi retire this winter.

Prior to this cruise empty equipment boxes were shipped to the NOAA Sub Base facility on Eagan drive in Juneau. Tom Dresser has been very helpful in arranging shipping, storage and transporting equipment to the vessel. The shipping boxes were loaded aboard the Medeia the morning of November 28th and the vessel left the Juneau dock at approximately 1300 on November 28th. Weather was good for this cruise, winds 15 knots, temperatures in the teens. We steamed to an anchorage location near the Cross Sound mooring, arriving around 0030 Nov. 29th. After anchoring for the night we got underway for the mooring site, arriving at daylight on the 29th. The first attempts at ranging showed the mooring 1500 meters away from the position it was deployed. The mooring is roughly 10 meters in length and had to freefall 300 meters before settling on bottom. It's possible that the currents pushed the mooring off station as it fell. We closed the distance on the mooring and released it at a slant range of 580 meters. The mooring was recovered and secured on deck before starting the transit back to Juneau.

Times are Seattle time: GMT is plus 8 hours.
Mooring released 0920
Mooring out of the water 0932
SeaCat battery disconnected 1037

We arrived at the Juneau dock at 2115 the night of 30 Nov. The next morning we shifted to the University Pier to offload the equipment to the Fish and Game flatbed. The recovered mooring equipment was delivered to the NOAA Sub base for transport back to Seattle via Lynden.

Items to be shipped:
One 30 inch steel float.
One MicroCat frame.
One 40 inch syntactic foam float and frame.
One 75 Khz ADCP.
One acoustic release.
One acoustic release deck unit.
One acoustic release box with misc. tools and raingear.

I spoke with the vessel captain about possible conflicts with commercial fishing in the Cross Sound area. There is no trawling to speak of in the area but there is long lining and
salmon trolling. The ground line for long line is strong enough to pick up a mooring and move it however, in most cases the fishing vessels are holding station as they recover their gear so the mooring would not move far unless they brought the entire mooring aboard. The salmon trollers troll their down weights at depths approaching 30 meters. The gear is too light to pick up a mooring but a 60 pound lead down weight hitting the instruments could cause some damage. Most of the salmon trolling takes place in shallower waters nearer the edges of Cross Sound.

Contact information for the Medeia:
Medeia 907-586-9506
Office 907-465-4144
Tom Dress at Auk Bay Lab 907-723-0229
Pager 907-463-0390
Sub Base 907-586-7480
Auk Bay Lab 907-789-6044

Wade_loofbourrowefishgame.state.ak.us

Report Submitted by Wm. Floering NOAA/PMEL?FOCI
William.floering@noaa.gov
**CHARTER VESSEL CLEARANCE AND REPORT**  
(Ships over 65 Feet)

<table>
<thead>
<tr>
<th>From (Org/Office)</th>
<th>Point of Contact</th>
<th>Telephone No.</th>
<th>Contracting Officer</th>
<th>Telephone No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMEL</td>
<td>Bill Parker</td>
<td>206-526-6180</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Purpose:** (Give brief description of project and the necessity for ship time)

PMEL/ ACOOS Cross Sound Current Studies. The PMEL mooring deployed in August in Cross Sound will need to recover at this time due to a possible ADCP data collection software error. The data collected by this instrument is required for calibration of the next moorings designed for 2006, 2007 deployments.

**Project Area (Staging location, area of operation, and maximum distance offshore)**

Juneau, Alaska, Cross Sound, about 14 hours run time.

**Vessel Requirements:** (Berthing, lab space (wet/dry), range, endurance and equipment needs (electronic, oceanographic, etc.))

- 1 person science party
- Deck space and crane/ a-frame for mooring recovery operations.

**Complete Projected column when requesting clearance for charter; complete Final column when reporting after-the-fact**

<table>
<thead>
<tr>
<th>Cruise dates - provide the first and last day and total number of days charged</th>
<th>Projected as of:</th>
<th>Final as of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Cruise dates/number of days</td>
<td>11-28-05/11-29-05 2 days</td>
<td></td>
</tr>
<tr>
<td>B. Total Cost (For entire charter)</td>
<td>$ 8,000.00</td>
<td></td>
</tr>
<tr>
<td>C. Cost per day (Unit cost charged per day)</td>
<td>$ 4,000.00</td>
<td></td>
</tr>
<tr>
<td>D. Additional Cost (e.g., fuel, lube, provisions, mods that are additional per day)</td>
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<td></td>
</tr>
</tbody>
</table>

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**Charter Vessel Identification**

<table>
<thead>
<tr>
<th>Name of Vessel</th>
<th>Vessel Homeport</th>
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</thead>
<tbody>
<tr>
<td>Medela</td>
<td>Juneau, Alaska</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Organization Code</th>
<th>Task Number</th>
<th>Object Class</th>
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<tbody>
<tr>
<td>50-27-0000-00-00-00-00</td>
<td>3RR3UPSPSE</td>
<td>2527</td>
</tr>
</tbody>
</table>

**Remarks (Requesting Official)**

**Remarks (Clearance Official)**
Mooring I.D.: 05CSP-1A
Cruise No: ____________________________
Project: ____________________________
Ship: MEDEIA
Chief Sci: Bill Floering
Timekeeper: Bill Floering
CTD cast no.: none

Mooring I.D.: 05CSP-1A
Cruise No: ____________________________
Project: ____________________________
Ship: MEDEIA
Chief Sci: Bill Floering
Timekeeper: Bill Floering
CTD cast no.: none

Deployment date (L): 8/10/2005
Actual deployment depth (m): 304
Est. deployment depth (m): 300

Time of release: 223 - 0438

Position
GPS latitude: 58° 09.826' N
GPS longitude: 136° 34.163' W

Actual deployment depth (m): 304
Est. deployment depth (m): 300

GPS latitude: 58° 09.826' N
GPS longitude: 136° 34.163' W

INSTRUMENT | SERIAL NUMBER | DEPTH (M) | TIME ON | DEPLOYMENT | RECOVERY | TIME OFF |
--- | --- | --- | --- | --- | --- | --- |
RDI 75 KHz ADCP | 1883 | 294 | 290 | 222 | 12:00 | 223 | 04:38 | 334 | 0932 |
Microcat/SG | 2337 | 296 | 292 | 213 | 00:00 | 223 | 04:38 | 334 | 0932 |

CTD cast number: 2841-3

Cruise number: MEDEIA
Time released from anchor: 0920
Recovery time at surface: 30-45

Type: Tech McLane
Flotation: orange yellow
Size: 40" 30"

Comments: Time is Seattle Time GMT is +8