

1 Dec. 2005

TRIP REPORT  
R/V MEDEIA  
CROSS SOUND MOORING

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 28<sup>th</sup> and the vessel left the Juneau dock at approximately 1300 on November 28<sup>th</sup>. 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. 29<sup>th</sup>. After anchoring for the night we got underway for the mooring site, arriving at daylight on the 29<sup>th</sup>. 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

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Report Submitted by Wm. Floering NOAA/PMEL/FOCI

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NOAA Form 75-91 (Revised 6-01)		U.S. Department of Commerce National Oceanic and Atmospheric Administration		OMAO Assigned Clearance No.	
<b>CHARTER VESSEL CLEARANCE AND REPORT</b> (Ships over 65 Feet)				Contract/Purchase Order No.	
From (Org/Office) PMEL	Point of Contact Bill Parker	Telephone No. 206-526-6180	Contracting Officer		Telephone No.
Purpose: (Give brief description of project and the necessity for ship time) PMEL/ AOOS Cross Sound Current Studies. The PMEL mooring deployed in August in Cross Sound will need to be recovered 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 Location (for inspection)			Date(s) for inspection		
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.			Performance (Post cruise evaluation regarding adequacy of operation of the vessel)		
<b>Complete Projected column when requesting clearance for charter; complete Final column when reporting after-the-fact</b>					
Cruise dates- provide the first and last day and total number of days charged		Projected as of :		Final as of:	
A. Cruise dates/number of days		11-28-05/11-29-05 2 days			
B. Total Cost (For entire charter)		\$ 8,000.00		\$	
C. Cost per day (Unit cost charged per day)		\$ 4,000.00		\$	
D. Additional Cost (e.g., fuel, lube, provisions, mods that are additional per day)		\$		\$	
<b>Charter Vessel Identification</b>					
<b>Owner Information: (include point of contact and telephone number)</b>			Name of Vessel		Vessel Homeport
Name: State of Alaska Dept. Fish and Game			Medeia		Juneau, Alaska
Street Address: PO Box 240020			Type of Vessel (Capabilities)		Vessel Official Number
City: Douglas	State: Alaska	Zip: 99824	research		
<b>Vessel Characteristics</b>					
Length 110'	Beam 26'	Draft 9'	H.P. 1200	Speed 10K	Range 5000 mi
Endurance 30 days					
<b>Funding Information</b>					
Organization Code 50-27-0000-00-00-00			Task Number 3RR3UPSPSE		Object Class 2527
Remarks (Requesting Official)					
Remarks (Clearance Official)					
Requesting Official (Signature and Title)					Date
Clearance Official (Signature and Title)					Date

Mooring I.D.: 05CSP-1A Deployment date (L): 8/10/2005  
 Cruise No: \_\_\_\_\_ Actual deployment depth (m): 304  
 Project: \_\_\_\_\_ Est. deployment depth (m): 300  
 Ship: MEDEIA Time of release: 223 - 0438  
 Chief Sci: Bill Floering Time on bottom: \_\_\_\_\_  
 Timekeeper: Bill Floering Position: \_\_\_\_\_  
 GPS latitude: 58° 09.826' N  
 CTD cast no.: none GPS longitude: 136° 34.163' W  
 Bottom temp: \_\_\_\_\_ Magnetic variation: \_\_\_\_\_

INSTRUMENT	SERIAL NUMBER	DEPTH (M)		TIME ON		DEPLOYMENT		RECOVERY		TIME OFF	
		Actual	Est	JD	Time	JD	Time	JD	Time	JD	Time
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		

<u>RECOVERY</u>		<u>FLOATS</u>		Top	Mid	Bottom
Cruise number:	<u>Medeia</u>	Type:	Flotation Tech	McLane		
Time released fm anchor:	<u>0920</u>	Size:	40"	30"		
Recovery time at surface:		S/N:	2841-3	30-45		
CTD cast number:		Color:	orange	yellow		
		Depth (m):	294	296		

<u>RELEASE</u>	PRIMARY	SECONDARY
Type:	8242	
Serial Number:	20284	

Comments: *Time is Seattle Time GMT is +8*

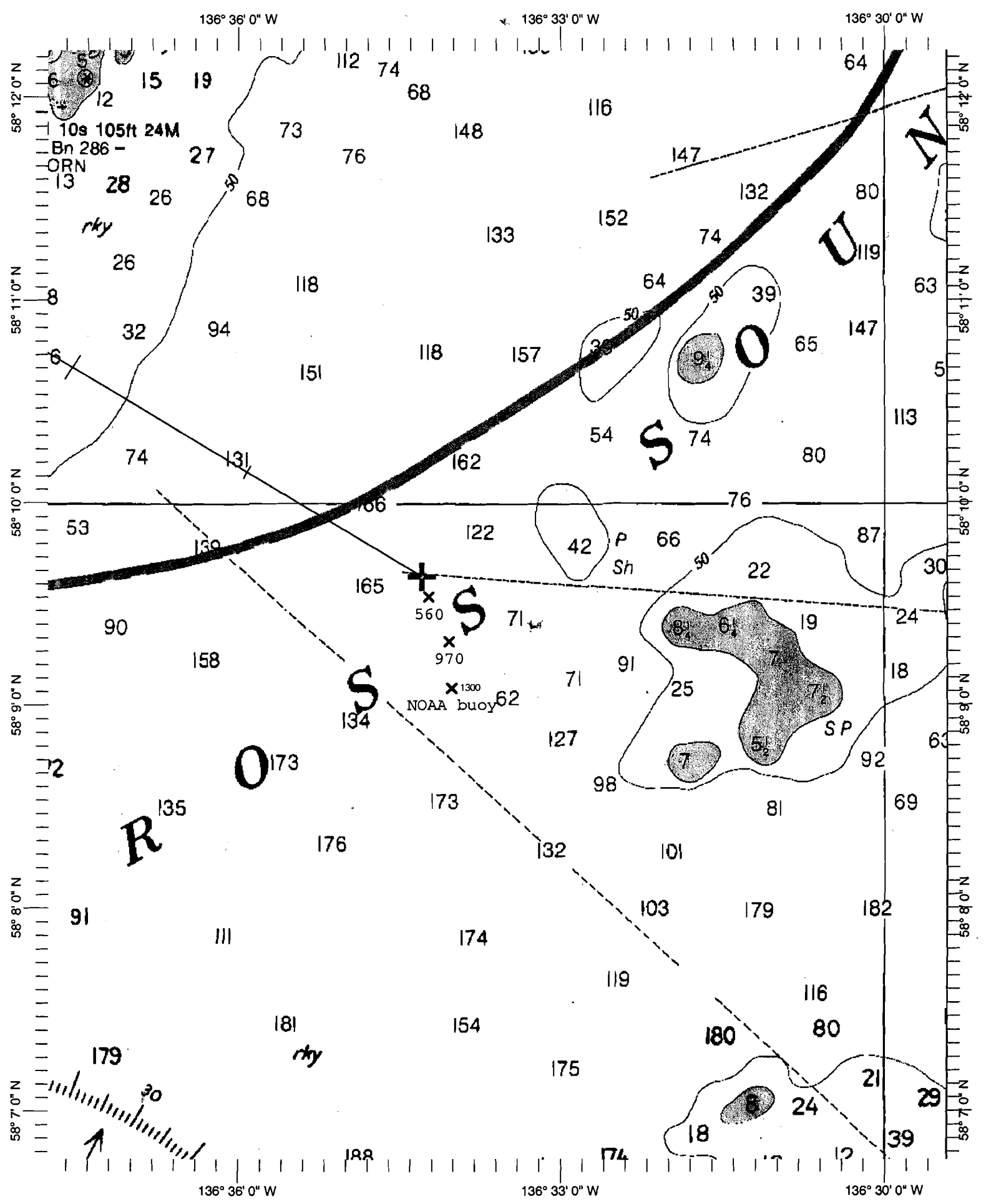


Chart Name: ICY STRAIT AND CROSS SOUND  
 Chart ID: 17302\_1  
 Top Left: 58° 12' 13" N 136° 37' 46" W  
 Bottom Right: 58° 6' 45" N 136° 29' 25" W