

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>AUGUST</i>				Year <i>2007</i>			Ship <i>LOUIS ST-LAURENT</i>				Cruise ID <i>2007-20</i>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
24	STA-A	0537	BE	ROS	US	95	72 41.24	144 42.36	3498		1913-1936	24	MR start 36 end	✓✓	Pu/Am cast #1
		0632	BO				72 40.87	144 43.37		3000					
		0726	EN				72 40.57	144 44.07							
24	STA-A	0603	BE	ADCP			72 41.06	144 42.95	3498						
		0924	EN				72 40.13	144 47.50							
24	STA-A	0800	BE	ROS	US	96	72 40.42	144 44.88	3498 ⁺⁹		1937-1960	24	JE/MD/ HB/RN	✓✓	Pu/Am cast #2
		0822	BO				72 40.33	144 45.63		1000					
		0844	EN				72 40.25	144 46.29							
24	STA-A	0910	BE	ROS	US	97	72 40.17	144 46.98	3456 ⁺⁹		1961-1984	24	JE/MD/ HB/RN	✓✓	Pu/Am cast #3
		0922	BO				72 40.13	144 47.42		401					
		0933	EN				72 40.12	144 47.76							
24	STA-A	1046	BE	ROS	US	98	72 41.29	144 42.08	3462 ⁹		1985-2008	24	JE/MD/ RN	✓✓	Cs/I cast →
		1107	BO				72 41.22	144 42.22		1000					
		1130	EN				72 41.33	144 42.43							

Cast type:
BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD

USW = sea water loop
MOR = mooring
NET = net haul
DRF = drifter

bottle firing method:
US = up/stop
UN = up/no stop
DN = down/no stop

Time Code
BE = beginning time of cast
BO = bottom time of cast
EN = end time of cast

DE = deployment time
MR = messenger release time
RE = recover mooring time

Transmissometer to be cleaned for each cast, do not use Ammonia products

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Additional comments

Bottom contact alarm went off when cast 98 went in water for 1st time. BC clommed
off at switch & fish for this cast.

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24	STA-A	1205	BE	ROS	UN	99	72 41.32	144 41.82	3461 ⁺⁹		2009-2032	24	JE/MD/HO/RN		
		1319	BO				72 41.76	144 42.08		3458 ⁺¹⁰					
		1425	EN				72 42.084	144 42.096	3467 ⁺⁹						
24	STA-A	1225		NETS		N46-47	72° 41.6	144.42		100					
24	STA-A-E	1627	BE	ROS	UN	100	72 38.764	143 49.70	3414 ⁺⁹		2033-2056	24	JE/MD/HO/RN		
		1742	BO				72 38.54	143 48.75		3408 ⁺¹¹					
		1844	EN				72°38.348	143 48.413							
							No time to finish w/ a cesium cast ship breaks away to fuel off of Herschel will come back if there is time.								
							Re terminate wire						12 x 7.5 ft		75
							remove 30m of wire								150
							-visually looked quite "worked",								90 ft + 6
							good to remove.								
							electrical termination: cable replaced w/ 1/2 of cheater cable in much better condition than existing cable.								

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Additional comments

Oxygen sensor SBE 43 SN 435:

on cart 100 valve locked into 6.2775 ml/l volt = 2.919

After cart reterminate, remove + flush oxy sensor + reattach.
Oxy cable (Y w/ altimeter) seems in fine shape.

- Aug 25 0700 - Problem was stuck display in Seaview - sensor appears to be working normally.

Aug 25 - Bottom sensor cleaned and checked and reinstalled
with new cable.

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[illegible]

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