

Rosette Log

CRUISE ID:

9615

UTC DATE y/m/d:

96/11/4

SHIP:

Vector

STATION NAME:

5103

CAST NO.:

X 2

Niskin No.	Sample No.	OXY. Flask	CTD OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	ORC H ₂ S	CO ₂ OXY	TCO	DMS	ATK	NH ₄ and DOC	SAL	NUT	CHL	POC	Serial #	°C / dbar
✓ 1	1-1	1175	9.4	Bottom - 10	220.6	31.300	✓	✓	✓	✓	✓	✓	✓	✓			.038	.174
✓ 2	1-2	1174	9.4	200	201.4	31.291	✓	✓	✓	✓	✓	✓	✓	✓			.057	.281
✓ 3	1-3	1173	9.4	150	149.9	31.247	✓	✓	✓	✓	✓	✓	✓	✓			.041	.205
✓ 4	1-4	1171	9.4	125	124.7	31.231	✓	✓	✓	✓	✓	✓	✓	✓				.086
✓ 5	1-5	1169	9.4	100	99.7	31.196	✓	✓	✓	✓	✓	✓	✓	✓				
✓ 6	1-6	1168	9.6	75	74.4	30.893		✓	✓	✓	✓	✓	✓	✓				
✓ 7	1-7	1167	10.2	50	50.2	30.165	✓	✓	✓	✓	✓	✓	✓	✓	✓			
✓ 8	1-8	1164	10.3	40	40.4	30.010		✓	✓	✓	✓	✓	✓	✓	✓			
✓ 9	1-9	1163	10.4	30	29.5	29.954		✓	✓	✓	✓	✓	✓	✓	✓			
✓ 10	1-10	1160	10.4	20	20.3	29.872		✓	✓	✓	✓	✓	✓	✓	✓			
✓ 11	1-11	1157	9.9	10	10.1	29.551		✓	✓	✓	✓	✓	✓	✓	✓			
✓ 12	1-12	1155	10.0	5	5.0	29.303		✓	✓	✓	✓	✓	✓	✓	✓			
✓ 13	1-13	1154	9.81	0	.6	28.947		✓	✓	✓	✓	✓	✓	✓	✓		.833	
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23																		

Comments:

474 0161

ENTERED BY:

DT

CHECKED BY:

Bottom Depth:

228

Cast # down:

1

Cast # up:

2

Time

LOC

UTC

Begin:

22 23

Bottom:

22 42

End:

START POSITION (GPS)

LAT: 48 35 27

LONG: 123 30 25

BOTTOM POSITION (GPS)

LAT: 48 35 30

LONG: 123 30 25

END POSITION (GPS)

LAT: 48 35 362

LONG: 123 30 301

239

Ajax

478 2358

Rosette Log

CRUISE ID: 9615
STATION NAME: Sat Ch.

UTC DATE y/m/d: 96 11 06
CAST NO.: 024

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	STD OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
✓ 1	2-1	1175	9.2	30.9175	75.7	3.954		✓				✓	✓				709	
✓ 2	2-2	1174	9.8	30.192	50.1	3.418		✓				✓	✓				613	
✓ 3	2-3	1173	9.5	29.432	30.0	4.381		✓				✓	✓				732	
✓ 4	2-4	1171	9.4	29.358	19.8	4.666		✓				✓	✓				815	
✓ 5	2-5	1169	9.4	29.230	10.0	4.932		✓				✓	✓				889	
✓ 6	2-6	1168	9.2	29.144	0.4	5.198		✓				✓	✓				880	
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ENTERED BY:
CHECKED BY: DT

OK

Bottom Depth: 85m

Cast # down: 3

Cast # up: 4

Time	LOC	UTC
Begin:		1617
Bottom:		1620
End:		16

START POSITION (GPS)			
LAT:	48	43	474
LONG:	123	25	507

BOTTOM POSITION (GPS)			
LAT:			
LONG:			

END POSITION (GPS)			
LAT:			
LONG:			

Comments: 02 at 50 low

Rosette Log

CRUISE ID: 9615
STATION NAME: SWAN

UTC DATE y/m/d: 96 11 06
CAST NO.: 5/6

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure			
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC			Serial #	°C / dbar	
								OXY		C13		NUT		CHL						
1	6-1 ✓	1167	8.4	32.496	150.1	2.986		✓					✓	✓					520	
2	6-2 ✓	1164	8.7	32.051	100.1	3.299		✓					✓	✓					549	
3	6-3 ✓	1163	8.9	31.570	74.9	3.600		✓					✓	✓					670	
4	6-4 ✓	1160	9.3	30.396	49.6	4.122		✓					✓	✓					725	
5	6-5 ✓	1157	9.4	29.662	30.1	4.530		✓					✓	✓					757	
6	6-6	1155	9.4	29.366	20.4	4.845		✓					✓	✓	lanyard not released					
7	6-6 ✓	1154	9.5	29.210	9.9	4.845		✓					✓	✓					777	
8	6-7 ✓	1176	9.4	29.027	6.6	4.987		✓					✓	✓					895	
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ENTERED BY:
CHECKED BY:

OK

Bottom Depth:

Cast # down: 5
Cast # up: 6

Time LOC UTC
Begin: 17:17
Bottom:
End:

START POSITION (GPS)
LAT: 48 44 293
LONG: 123 17 470

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 44 330
LONG: 123 17 374

Comments: #6 20 meter bottle lower end cap did not close.

Rosette Log

CRUISE ID:

9615

UTC DATE y/m/d:

9611 06

SHIP:

Vector

STATION NAME:

Stuart IS

CAST NO.:

078

Niskin No.	Sample No.	OXY. Flask	STO OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	DO	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC	Serial #	°C / dbar
1	7-1 ✓	1177	8.3	310	309.9	2.771	✓	✓	✓				✓	✓		✓	.499	32.698
2	7-2 ✓	1178	8.4	200	201.4	2.939	✓	✓	✓				✓	✓		✓	.533	32.507
3	7-3 ✓	1181	8.5	150	150.6	3.123	✓	✓	✓				✓	✓		✓	.567	32.319
4	7-4 ✓	1182	8.6	100	100.2	3.286	✓	✓	✓				✓	✓		✓	.594	32.132
5	7-5 ✓	1183	8.6	75	74.8	3.302	✓	✓	✓				✓	✓		✓	.597	32.076
6	7-6 ✓	1158	9.0	50	50.7	3.709	✓	✓	✓				✓	✓	✓	✓	.607	31.349
7	7-7 ✓	1187	9.3	30	29.6	4.281	✓	✓	✓				✓	✓	✓	✓	.788	30.198
8	7-8 ✓	1189	9.3	20	20.3	4.357	✓	✓	✓				✓	✓	✓	✓	.790	30.077
9	7-9 ✓	1191	9.4	10	10.3	4.350	✓	✓	✓				✓	✓	✓	✓	.787	30.052
10	7-10 ✓	1192	9.4	0	0.4	4.561	✓	✓	✓				✓	✓	✓	✓	.821	29.631
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Comments:

O₂ at 10 low

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 7

Cast # up: 8

Time LOC UTC

Begin: 1804

Bottom: 1813

End: 1822

START POSITION (GPS)

LAT: 48 40 900

LONG: 123 15 400

BOTTOM POSITION (GPS)

LAT: 48 41 014

LONG: 123 15 325

END POSITION (GPS)

LAT: 48 41 029

LONG: 123 15 311

OK

Rosette Log

CRUISE ID:

9516

UTC DATE y/m/d:

96/11/06

SHIP:

Vector

STATION NAME:

HARD

CAST NO.:

10/11

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION			Samples taken										Temperature or Pressure		
					Trip pressure	Confirmed Salinity	O ₂ ml/l	pH	DO	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC	NH4	Serial #	°C / dbar
1	11-1 ✓	1193	8.2	260	260.0	2.654	✓	✓	✓				✓	✓			✓		.484	32.875
2	11-2 ✓	1194	8.3	200	260.2	2.815	✓	✓	✓				✓	✓			✓		.513	32.680
3	11-3 ✓	1195	8.5	150	149.6	3.168	✓	✓	✓				✓	✓			✓		.581	32.283
4	11-4 ✓	1196	9.0	100	100.0	3.923	✓	✓	✓				✓	✓			✓		.708	31.085
5	11-5 ✓	2000	9.1	75	74.9	4.110	✓	✓	✓				✓	✓			✓		.740	30.850
6	11-6 ✓	2002	9.2	50	50.0	4.287	✓	✓	✓				✓	✓	✓		✓		.772	30.467
7	11-7 ✓	1206	9.3	30	29.4	4.389	✓	✓	✓				✓	✓	✓		✓		.789	30.221
8	11-8 ✓	1208	9.3	20	20.1	4.393	✓	✓	✓				✓	✓	✓		✓		.790	30.194
9	11-9 ✓	1209	9.3	10	10.1	4.636	✓	✓	✓				✓	✓	✓		✓		.843	29.959
10	11-10 ✓	1210	9.4	0	.5	4.729	✓	✓	✓				✓	✓	✓		✓		.856	29.903
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ENTERED BY:

DT

CHECKED BY:

SL

Bottom Depth:

290

Cast # down:

10

Cast # up:

11

Time

LOC

UTC

Begin:

2002

Bottom:

20:09

End:

20:21

START POSITION (GPS)

LAT: 48 33 803

LONG: 123 13 363

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48 33 817

LONG: 123 13 326

Comments:

Rosette Log

CRUISE ID:

9615

UTC DATE y/m/d:

96 11 06

SHIP:

Vektor

STATION NAME:

SH11

CAST NO.:

12/13

OK

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	13-1 ✓	1211	8.1	260	263.1	2.575	✓				✓	✓					.469	32.911
2	13-2 ✓	1213	8.2	200	199.4	2.650	✓				✓	✓					.480	32.876
3	13-3 ✓	1214	8.5	150	149.8	3.030	✓				✓	✓					.549	32.257
4	13-4 ✓	1216	8.7	100	99.7	3.484	✓				✓	✓					.624	31.836
5	13-5 ✓	1217	8.7	100	75.2	3.480	✓				✓	✓					.629	31.383
6	13-6 ✓	1218	8.9	75	49.81	3.774	✓				✓	✓					.694	30.647
7	13-7 ✓	1219	9.1	50	29.7	4.276	✓				✓	✓					.793	30.456
8	13-8 ✓	1221	9.1	50	20.2	4.264	✓				✓	✓					.779	30.386
9	13-9 ✓	1222	9.2	30	10.1	4.417	✓				✓	✓					.797	30.218
10	13-10 ✓	1223	9.2	20	.5	4.509	✓				✓	✓					.809	30.157
11	13-11 ✓	1224	9.2	10		4.692	✓				✓	✓					.849	
12	13-12 ✓	1225	9.3	0		4.687	✓				✓	✓					.841	
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ENTERED BY:

CHECKED BY:

Bottom Depth:

281

Cast # down:

12

Cast # up:

13

Time

LOC

UTC

Begin:

2210

Bottom:

End:

START POSITION (GPS)

LAT: 48 28 654

LONG: 123 08 760

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48 28 581

LONG: 123 08 809

Comments:

Rosette Log

CRUISE ID: 9615
STATION NAME: Hein Is

UTC DATE y/m/d: 96 11 07
CAST NO.: 14/15

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	CTD OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	DO	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC	Serial #	°C / dbar
1	15-1 ✓	1226	7.8	150	147.2	✓ 2.239	✓	✓	✓			✓	✓			✓	.409	33.287
2	15-2 ✓	1228	8.2	100	99.5	✓ 2.709	✓	✓	✓			✓	✓			✓	.488	32.781
3	15-3 ✓	1229	8.2	100	99.6	✓ 3.293	✓	✓	✓			✓	✓			✓	.591	32.780
4	15-4 ✓	1231	8.5	75	74.9	✓ 3.752	✓	✓	✓			✓	✓			✓	.681	32.214
5	15-5 ✓	1233	8.9	50	50.6	✓ 4.491	✓	✓	✓			✓	✓	✓		✓	.816	31.458
6	15-6	1234	9.1	30	30.0	✓ 4.788	✓	✓	✓			✓	✓	✓		✓	.866	30.786
7	15-7	1235	9.1	20	20.2	✓ 4.993	✓	✓	✓			✓	✓	✓		✓	.907	30.667
8	15-8	1237	9.1	10	10.3	✓ 5.034	✓	✓	✓			✓	✓	✓		✓	.903	30.566
9	15-9	1238	9.1	0	1.0	✓	✓	✓	✓			✓	✓	✓		✓		30.553
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ENTERED BY: DT
CHECKED BY:

Bottom Depth: 150

Cast # down: 14
Cast # up: 15

Time	LOC	UTC
Begin:		1941
Bottom:		1947
End:		1952

START POSITION (GPS)
LAT: 48 22 93
LONG: 123 02 57

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 22 96
LONG: 123 02 57

Comments:

Dip bottle at 100 m
No surface O2 sample taken?

Rosette Log

CRUISE ID: 9615
STATION NAME: SILL

UTC DATE y/m/d: 96 11 07
CAST NO.: 16/17

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	C/O OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	DO	TCO	ALK	SAL	POC	NH4	CHL			Serial #	°C / dbar
1	17-1 ✓	1206	7.9	125	125.4	✓ 2.391	✓	✓	✓		✓	✓			✓		1433	33.307
2	17-2 ✓	1208	8.0	100	99.4	✓ 2.457	✓	✓	✓		✓	✓			✓		1445	33.133
3	17-3 ✓	1209	8.2	75	74.7	✓ 2.800	✓	✓	✓		✓	✓			✓		1512	32.763
4	17-4 ✓	1210	8.7	50	50.6	✓ 3.542	✓	✓	✓		✓	✓	✓		✓		1643	32.039
5	17-5 ✓	1211	9.2	30	29.7	✓ 4.180	✓	✓	✓		✓	✓	✓		✓		1758	31.263
6	17-6 ✓	1213	9.3	20	20.5	✓ 4.342	✓	✓	✓		✓	✓	✓		✓		1782	31.020
7	17-7 ✓	1214	9.3	10	10.1	✓ 4.858	✓	✓	✓		✓	✓	✓		✓		1876	30.712
8	17-8	1216	9.3	0	.6	✓ 4.925	✓	✓	✓		✓	✓	✓		✓		1879	30.704
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ENTERED BY:
CHECKED BY:

Bottom Depth: 131

Cast # down: 16
Cast # up: 17

Time LOC UTC
Begin: 2130
Bottom:
End: 2134

START POSITION (GPS)
LAT: 48 15 67
LONG: 123 10 17

BOTTOM POSITION (GPS)
LAT: 48 15 67
LONG: 123 10 14

END POSITION (GPS)
LAT: 48 15 67
LONG: 123 10 14

Comments:

Rosette Log

CRUISE ID:

STATION NAME:

UTC DATE y/m/d:

CAST NO.:

SHIP:

Niskin
No.Sample
No.OXY.
FlaskCtd
OXY.
Temp.Sample
Depth

ROSETTE OPERATION

Trip
pressureConfirmed
SalinityCFC
DOY
DOY

OXY

TCO

C13

ALK

NUT

SAL

CHL

POC

NH₄

Temperature or Pressure

Serial # °C / dbar

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2240

Bottom: 2244

End: 2250

START POSITION (GPS)

LAT: 48 16 02

LONG: 123 25 07

BOTTOM POSITION (GPS)

LAT: 48 16 02

LONG: 123 25 06

END POSITION (GPS)

LAT: 123

LONG:

1	19-1 ✓	1217	7.4	150	150.4	1.874	✓	✓				✓	✓			✓		.342	33.783
2	19-2 ✓	1218	7.4	100	99.6	1.890	✓	✓				✓	✓			✓		.351	33.768
3	19-3 ✓	1219	7.7	75	74.6	2.062	✓	✓				✓	✓			✓		.386	33.490
4	19-4 ✓	1221	8.2	50	49.9	2.916	✓	✓				✓	✓	✓		✓		.535	32.582
5	19-5 ✓	1222	8.7	30	30.4	3.662	✓	✓				✓	✓	✓		✓		.662	31.832
6	19-6 ✓	1223	8.9	20	20.0	3.851	✓	✓				✓	✓	✓		✓		.692	31.561
7	19-7 ✓	1224	9.1	10	10.1	4.608	✓	✓				✓	✓	✓		✓		.834	30.841
8	19-8 ✓	1225	9.2	10	1.3	5.278	✓	✓				✓	✓	✓		✓		.939	30.566
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Comments: