

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: SA 3UTC DATE y/m/d: 2000/09/04.
CAST NUMBER: 1.SHIP: JP Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1	1321	00	B-10	214	✓	✓	✓	✓									
2	2	1328	0.0	20		✓												
3	3	1329		150		✓												
4	4	1330	73.6	125		✓												
5	5	1331	99.1	100		✓					✓							
6	6	1332	29.68	75		✓												
7	7	1333		50		✓												
8	8	1334		30		✓												
9	9	1335		20		✓												
10	10	1336		10		✓												
11	11	1337		5		✓												
12	12	1338		0		✓	✓	✓	✓	✓					✓			
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: HUGH
CHECKED BY:Bottom Depth: 225Cast # down: 1Cast # up: 1

Time	LOC	UTC
Begin:		0108
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 35 59
LONG: 123 29 97BOTTOM POSITION (GPS)
LAT: 48 35 56
LONG: 123 29 97END POSITION (GPS)
LAT: 48 35 51
LONG: 123 29 97
16 - .004, .004 0021/2 .720 .720 719

Comments:

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P3

UTC DATE y/m/d: 2000/09/05
CAST NUMBER: 4.

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	13				805	✓	✓											
2	14				800	✓	✓											
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 810

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1841
Bottom:		1901
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 483759
LONG: 12619.98

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P4UTC DATE y/m/d: 2000/09/06
CAST NUMBER: 7 DEEPSHIP: J. P. TULLY

ROSETTE

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	15	84	588	BOT.	1302	✓	X	X	X									
2	16	255	442	1250	1200	✓												
3	17	337	257	1000		✓												
4	18	364	224	800		✓												
5	19	392	453	600		✓												
6	20	443	1.112	400		✓												
7	21	486	1.719	300		✓												
8	22	534	2.330	200		✓												
9	23	535	2.809	150		✓											poor	
10	24	572	4.411	100		✓												
11	25	588	6.048	75		✓												
12	26	641	6.591	50		✓												
13	27	632	6.449	25		✓												
14	28	650	6.093	10		✓												
15	29	657	—	0			X	X	X								no sample	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 1315

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0818
Bottom:		0846
End:		0928

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 39.30LONG: 126 40.05

END POSITION (GPS)

LAT: 48 39.37LONG: 126 39.90Comments: no surface sample, Rosette raised too early.

ROSETTE LOG

MISSION ID: 2000 - 25
STATION NAME: P4UTC DATE y/m/d: 2000/09/06
CAST NUMBER: 13 SHALLOW ROSETTESHIP: J. P. TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13		DMS	NH3					
1	30	1327	1.165	400	401	✓		x	x	x				x						
2	31	1328		300	299	✓														
3	32	1329	2.035	250	248	✓														
4	33	1330	2.305	200	199	✓														
5	34	1331	2.460	175	173	✓														
6	35	1332	2.803	150	149	✓														
7	36	1333	3.329	125	125	✓														
8	37	1334	4.532	100	100.4	✓				x					x					
9	38	1335	5.513	80	80.7	✓														
10	39	1336	6.233	60	60.2	✓														
11	40	1337	6.427	50	49.5	✓														
12	41	1338	6.538	40	40.1	✓														
13	42	1339	6.203	30	29.4	✓														
14	43	1340	6.081	20	19.5	✓														
15	44	1341	6.082	15	15.0	✓														
16	45	1342	6.090	10	10.5	✓														
17	46	1344	6.040	5	5	✓														
18	47	1343	6.169	0	1	✓		x	x	x	x			x	x					
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:

CHECKED BY:

Bottom Depth: 1311

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1805Bottom: 1816

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 39.11LONG: 126 39.94

END POSITION (GPS)

LAT: 48 39.18LONG: 126 39.92

Comments:

BOTTLE # 2 NOT CLOSED (BOTTOM CAP HUNG UP ON CABLE)

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P5

UTC DATE y/m/d: 2000/9/6
CAST NUMBER: 14

SHIP: TULLT

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	48			2090	Bot	✓	✓											
2	49			2000	2000	✓	✓											
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: H3K
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time LOC UTC
Begin:
Bottom: 2119
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 41.66
LONG: 127 10.44

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2002 25
STATION NAME: P10

UTC DATE y/m/d: 7 Sept 2000
CAST NUMBER: 20

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	55			2500	2499.8	✓	✓											05:53
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: HSF
CHECKED BY:

52.427 39.815
Bottom Depth: 2655

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 53.54
LONG: 129 39.81

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P16UTC DATE y/m/d: 2000/9/9
CAST NUMBER: 29

SHIP: TULLT

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	56	1327	2.710	3500	3499	✓	✓	✓	✓									
2	57	1328	2.451	3000	3000.6	✓												
3	58	1329	2.262	2750	2750.6	✓												
4	59	1330	1.960	2520	2500.1	✓												
5	60	1331	1.684	2250	2250.4	✓												
6	61	1332	1.365	2000	2000.8	✓												
7	62	1333	1.003	1750	1749.0	✓												
8	63	1334	.692	1500	1499.7	✓												
9	64	1335	.378	1250	1248.6	✓												
10	65	1336	.263	1000	999.8	✓												
11	66	1337	.329	800	799.5	✓												
12	67	1338	.481	600	599.6	✓												
13	68	1339	1.135	400	401.5	✓												
14	69	1340	1.740	300	300.3	✓												
15	70	1341	2.504	200	200.3	✓												
16	71	1342	3.013	150	150.4	✓												
17	72	1344	5.198	100	100.6	✓												
18	73	1343	6.294	75	75.5	✓												
19	74	1345	7.130	50	50.5	✓												
20	75	1346	6.038	25	24.41	✓												
21	76	1347	6.070	0	0.0	✓	✓	✓	✓			✓						
22																		
23																		
24																		

ENTERED BY: F.J. FREELAND
CHECKED BY:

Bottom Depth: 3680?

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1614
Bottom:		1716
End:		

START POSITION (GPS)	
LAT:	49 17.04
LONG:	134 29.55

BOTTOM POSITION (GPS)	
LAT:	49 17.31
LONG:	134 40.16

END POSITION (GPS)	
LAT:	49 17.
LONG:	134 40.

Comments:

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P16UTC DATE y/m/d: 2000/9/9
CAST NUMBER: 30SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		1 only Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3			DMS	NH3		
1	77	1209	983	400		✓	x	x	x				x					
2	78	1210		300		✓	x	x	x									
3	79	1212		250		✓	x	x	x									
4	80	1215		200		✓	x	x	x									
5	81	1216		175		✓	x	x	x									
6	82	1218		150		✓	x	x	x									
7	83	1219		125		✓	x	x	x									
8	84	1222		100		✓	x	x	x	x					x			
9	85	1223		80		✓	x	x	x	x								
10	86	1224		60		✓	x	x	x	x								
11	87	1225		50		✓	x	x	x	x								
12	88	1228		40		✓	x	x	x	x								
13	89	1230		30		✓	x	x	x	x								
14	90	1231		20		✓	x	x	x	x								
15	91	1233		10		✓	x	x	x	x								
16	92	1234		5		✓	x	x	x	x								
17	93	1235		0	1.2	✓	x	x	x	x					x	x		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 3624 m

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1951Bottom: 2009End: 2033

START POSITION (GPS)

LAT: 49 17.05LONG: 134 40 08

BOTTOM POSITION (GPS)

LAT: 49 17.04LONG: 134 40.27

END POSITION (GPS)

LAT: 49 17.03LONG: 134 40 60PAR SENSOR ON

Comments:

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P20UTC DATE y/m/d: 2000/9/11
CAST NUMBER: 46SHIP: TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION

Trip Confirmed
pressure Salinity

Samples taken

SAL OXY NUT CHL ALK C13 TCO

1	97	1209		bottom	4027	✓		x	x	x										
2	98	1210		3500	3501	✓														
3	99	1212		3000	3000	✓														
4	100	1215		2750	2751	✓														
5	101	1216		2500	2502	✓														
6	102	1218		2250	2249	✓														
7	103	1219		2000	1999	✓														
8	104	1222		1750	1750	✓														
9	105	1223		1500	1499	✓														
10	106	1224		1250	1247	✓														
11	107	1225		1000	1004	✓														
12	108	1228		800	800	✓														
13	109	1230		600	603	✓														
14	110	1231		400	400	✓														
15	111	1233		300	301	✓														
16	112	1234		200	201	✓														
17	113	1235		150	149	✓														
18	114	1237		100	100	✓														
19	115	1238		75	74	✓														
20	116	1241		50	50	✓														
21	117	1243		25	24	✓														
22	118	1244		10	10	✓														
23	119	1247		0	0	✓														
24																				

Comments:

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 3947Cast # down: 46Cast # up: 46

Time LOC UTC

Begin: 1336Bottom: 1446

End:

START POSITION (GPS)

LAT: 49 33 94LONG: 138 40 02

BOTTOM POSITION (GPS)

LAT: 49 33 53LONG: 138 40 71

END POSITION (GPS)

LAT: 49 34.19LONG: 138 41.69

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P20UTC DATE y/m/d: 2000/09/11
CAST NUMBER: 49 SHALLOWSHIP: J. P. TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3		Dms	NH ₃			
1	120	1327		400		✓		x	x	x				x	x			
2	121	1328		300		✓												
3	122	1329		250		✓												
4	123	1330		200		✓												
5	124	1331		175		✓												
6	125	1332		150		✓												
7	126	1333		125		✓												
8	127	1334		100		✓				x								
9	128	1335		80		✓												
10	129	1336		60		✓												
11	130	1337		50		✓												
12	131	1338		40		✓												
13	132	1339		30		✓												
14	133	1340		20		✓												
15	134	1341		15		✓												
16	135	1342		10		✓												
17	136	1343		5		✓												
18	137	1344		0	3	✓		x	x	x	x			x	x			
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 3948

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2120
Bottom:		2126
End:		2145

START POSITION (GPS)	
LAT:	49 34.06
LONG:	138 39.96

BOTTOM POSITION (GPS)	
LAT:	49 34.12
LONG:	138 39.95

END POSITION (GPS)	
LAT:	34.21
LONG:	39.92

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P26UTC DATE y/m/d: 2000/9/13
CAST NUMBER: 57SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	147	1327		bottom	4256	✓	70m off bot.	x	x	x		x	x	x				
2	148	1328		4000	4000	✓												
3	149	1329		3500	3500	✓												
4	150	1330		3000	2999	✓											POUR	
5	151	1331		2750	2750	✓												
6	152	1332		2500	2500	✓												
7	153	1333		2250	2251	✓												
8	154	1334		2000	2000	✓												
9	155	1335		1750	1750	✓												
10	156	1336		1500	1500	✓											POUR	
11	157	1337		1250	1250	✓												
12	158	1338		1000	999	✓												
13	159	1339		800	800	✓												
14	160	1340		600	600	✓												
15	161	1341		400	400	✓												
16	162	1342		300	300	✓												
17	163	1343		200	200	✓												
18	164	1344		150	149	✓												
19	165	1345		100	100	✓												
20	166	1346		75	75	✓												
21	167	1347		50	50	✓												
22	168	1348		25	25	✓												
23	169	1349		10	10	✓												
24	170	1350		0	0	✓												

ENTERED BY: R. Perkin
CHECKED BY:Bottom Depth: 4227 mCast # down: 57Cast # up: 57

Time	LOC	UTC
Begin:		<u>20:43</u>
Bottom:		<u>21:40</u>
End:		<u>23:31</u>

START POSITION (GPS)	
LAT:	<u>50° 00.06' N</u>
LONG:	<u>144 59.82 W</u>

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	<u>49 59 99</u>
LONG:	<u>145 00 18</u>

Comments: Winch Wire was 70 m too short to reach the bottom.
30-35 knot winds

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P26UTC DATE y/m/d: Sept. 14, 2000
CAST NUMBER: 65 ShallowSHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		DMS				
1	171			400	✓		x	x	x					x				
2	172			300	✓		x	x	x									
3	173			250	✓		x	x	x									
4	174			200	✓		x	x	x									
5	175			175	✓		x	x	x									
6	176			150	✓		x	x	x									
7	177			125	✓		x	x	x									
8	178			100	✓		x	x	x		x							
9	179			80	✓		x	x	x									
10	180			60	✓		x	x	x									
11	181			50	✓		x	x	x									
12	182			40	✓		x	x	x									
13	183			30	✓		x	x	x									
14	184			20	✓		x	x	x									
15	185			15	✓		x	x	x									
16	186			10	✓		x	x	x									
17	187			5	✓		x	x	x									
18	188			0	✓		x	x	x	x				x				
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BM

CHECKED BY:

Bottom Depth: 4229

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2208Bottom: 2217End: 2241

START POSITION (GPS)

LAT: 4959.69LONG: 14500.32

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 4959.47LONG: 14501.00

Comments:

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: P26

UTC DATE y/m/d: 2000/09/15
CAST NUMBER: 67

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13		DMS						
1	189			400	✓		✓	✓	✓	✓				✓						
2	190			300	✓		✓	✓	✓	✓				✓						
3	191			250	✓		✓	✓	✓	✓				✓						
4	192			200	✓		✓	✓	✓	✓				✓						
5	193			175	✓		✓	✓	✓	✓				✓						
6	194			150	✓		✓	✓	✓	✓				✓						
7	195			125	✓		✓	✓	✓	✓				✓						
8	196			100	✓		✓	✓	✓	✓	✓			✓						
9	197			80	✓		✓	✓	✓	✓				✓						
10	198			60	✓		✓	✓	✓	✓				✓						
11	199			50	✓		✓	✓	✓	✓				✓						
12	200			40	✓		✓	✓	✓	✓				✓						
13	201			30	✓		✓	✓	✓	✓				✓						
14	202			20	✓		✓	✓	✓	✓				✓						
15	203			15																
16	204			10																
17	205			5																
18	206			0																
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0808
Bottom:		0817
End:		0832

START POSITION (GPS)
LAT: 50 00.05
LONG: 144 59.80

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: Samples 193 to 206 taken without stopping Rosette. Sea conditions too rough.

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: DE1UTC DATE y/m/d: 2000/09/16
CAST NUMBER: 68SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	207			1000	1000	✓		X	X	X								
2	208			900	801	✓												
3	209			600	600	✓												
4	210			400	400	✓												
5	211			300	300	✓												
6	212			200	200	✓					X							
7	213			150	150	✓												
8	214			100	100	✓												
9	215			75	75	✓												
10	216			50	50	✓												
11	217			25	25	✓												
12	218			10	10	✓												
13	219			0	0	✓												
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Oxygen samples not shaken enough at time of picklingENTERED BY: all

CHECKED BY:

Bottom Depth: 3251

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0506Bottom: 0529End: 0556

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 51 00.00LONG: 144 00.27

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2000-25
STATION NAME: DE0 1UTC DATE y/m/d: 00/09/20
CAST NUMBER: 71SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	220			B-10	397	✓												
2	221			B-10	398	✓												
3	222			B-10	398	✓												
4	223			B-10	398	✓												
5	224			B-10	398	✓												
6	225			25		✓												
7	226			15		✓												
8	227			10		✓												
9	228			5		✓												
10	229			0	1.9	✓												
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: U.M.

CHECKED BY:

Bottom Depth: 417Cast # down: 71Cast # up: 71

Time LOC UTC

Begin: 1644

Bottom:

End: 1705

START POSITION (GPS)

LAT: 49 16.85LONG: 123 47.25

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 49 16.98LONG: 123 47.49

Comments: