

ROSETTE LOG

MISSION ID: 9921
STATION NAME: SJ03UTC DATE y/m/d: 99/08/24
CAST NUMBER: 1

SHIP: J. P. TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Do wait	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	✓	ALK	✓	TCO	✓	C13	✓		
1	1			bot	214	✓											0.296	
2	2			bot	214	✓											—	
3	3			210		✓											0.229	
4	4			200		✓											0.257	
5	5			180		✓											0.086	
6	6			150		✓											0.000	1
7	7			125		✓											0.056	Z
8	8			100		✓											0.626	
9	9			75		✓											1.033	Z
10	10			75		✓											—	
11	11			50		✓											2.900	
12	12			10													6.213	
13	13			5													7.947	
14	14			0													9.981	
15	15			0													—	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MR
CHECKED BY: DA

Bottom Depth: 226

Cast # down: 1

Cast # up: 1

Time LOC UTC
Begin: 1756
Bottom:
End:START POSITION (GPS)
LAT: 48° 35.988
LONG: 123° 29.962BOTTOM POSITION (GPS)
LAT:
LONG:END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 9921
STATION NAME: P4UTC DATE y/m/d: 99/08/25
CAST NUMBER: 6SHIP: J. P. TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Do me/e	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	16	1241		B-20		✓	✓	✓	✓								0.526	Z
2	17	1243		1250		✓	1	1	1								0.443	
3	18	1244		1000		✓											0.342	
4	19	1247		800		✓											0.248	
5	20	1248		600		✓											0.442	
6	21	1249		400		✓											1.309	
7	22	1251		300		✓											1.571	Z
8	23	1252		250		✓											1.812	
9	24	1254		200		✓											1.943	
10	25	1256		150		✓											2.299	
11	26	1257		100		✓											3.554	
12	27	1258		75		✓											5.790	
13	28	1260		50		✓											6.476	
14	29	1261		25		✓											6.607	
15	30	1264		10		✓											6.372	Z
16	31	1267		10		✓											6.364	
17	32	1268		10		✓											6.362	Pause
18	33	1269		10		✓											6.341	
19	34	1270		0													6.286	
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: F W
CHECKED BY: M LBottom Depth: 1330Cast # down: 6Cast # up: 6

Time	LOC	UTC
Begin:		2211
Bottom:		2238
End:		2313

START POSITION (GPS)
LAT: 48 38 99
LONG: 126 39 96BOTTOM POSITION (GPS)
LAT: 48 39 01
LONG: 126 39 97END POSITION (GPS)
LAT: 48 39 03
LONG: 126 39 99

ROSETTE LOG

MISSION ID:

9921

UTC DATE y/m/d:

99/08/27

STATION NAME:

P12

CAST NUMBER:

19

SHIP: 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							
1	35	84	2.546	8-10	3280	✓												
2	36	333	2.346	3000		✓												
3	37	337	1.934	2500		✓												
4	38	364	1.744	2250		✓												
5	39	392	1.565	2000		✓												
6	40	425	1.160	1750		✓												
7	41	443	0.799	1500		✓												
8	42	467	0.398	1250		✓												
9	43	535	0.280	1000		✓												
10	44	572	0.262	800		✓												
11	45	534	0.383	600		✓												
12	46	578	1.468	400		✓												
13	47	255	3.608	300		✓												
14	48	486	2.684	250		✓												
15	49	588	2.193	200		✓												
16	50	632	3.696	150		✓												
17	51	641	5.948	100		✓												
18	52	650	6.873	75		✓												
19	53	657	7.075	50		✓												
20	54	695	6.713	25		✓												
21	55	697	6.197	10		✓												
22	56	707	6.260	0		✓												
23				10		✓												
24				10		✓												

Comments:

ENTERED BY: MR

CHECKED BY: MR

Bottom Depth: 3252

Cast # down: 19

Cast # up: 19

Time LOC UTC

Begin: 1924

Bottom: 2017

End: 2127

START POSITION (GPS)

LAT: 48 58.28

LONG: 130 39.93

BOTTOM POSITION (GPS)

LAT: 48 58.24

LONG: 130 40.01

END POSITION (GPS)

LAT: 48 58.22

LONG: 130 40.04

ROSETTE LOG

MISSION ID:

9921

UTC DATE y/m/d:

99/08/29

SHIP: TULLY

STATION NAME:

P16

CAST NUMBER:

25

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT	NH ₄	ALK		TCO					
1	57	1241	3.105	B-20	3686	✓	✓	✓	✓									
2	58	1243	2.563	3000		✓												
3	59	1244	2.014	2500		✓											Z	
4	60	1247	1.733	2250		✓												
5	61	1248	1.356	2000		✓												
6	62	1249	1.000	1750		✓												
7	63	1251	0.567	1500		✓											Z	
8	64	1252	0.365	1250		✓												
9	65	1254	0.301	1000		✓												
10	66	1256	0.351	800		✓												
11	67	1257	0.578	600		✓												
12	68	1258	1.346	400		✓												
13	69	1260	2.038	300		✓												
14	70	1261	2.411	250		✓											Z	
15	71	1264	2.972	200		✓												
16	72	1267	3.623	150		✓												
17	73	1269	6.649	100		✓				2								
18	74	1268	6.997	75		✓												
19	75	1270	6.845	50		✓												
20	76	1271	6.305	25		✓												
21	77	1272	6.307	10		✓												
22	78	1273	6.304	0		✓												
23	—			10		✓												
24	—			10		✓												

Comments:

ENTERED BY: JW.

CHECKED BY: MR

Bottom Depth: 3644

Cast # down: 25

Cast # up: 25

Time	LOC	UTC
Begin:		0737
Bottom:		0835
End:		0954

START POSITION (GPS)	
LAT:	49° 17.02
LONG:	134° 40.16

BOTTOM POSITION (GPS)	
LAT:	49° 17.03
LONG:	134° 40.06

END POSITION (GPS)	
LAT:	49° 16.98
LONG:	134° 39.98

ROSETTE LOG

9921

99/08/30

33

SHIP: IP TULLY

Comments:

[illegible]

ROSETTE LOG

MISSION ID:

9921

UTC DATE y/m/d:

99/09/01

SHIP: JOHN P. TULLY

STATION NAME:

P26 deep

CAST NUMBER:

42

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO							
1	101	1106	3.707	B-20	4305	✓	✓	✓	✓	✓	✓	✓						
2	102	1110	3.228	4000		✓												
3	103	1120	2.994	3500		✓												
4	104	1128	2.579	3000		✓												
5	105	1130	2.263	2500		✓												
6	106	1132	1.656	2250		✓												
7	107	1134	1.384	2000		✓											2	
8	108	1135	0.999	1750		✓												
9	109	1136	0.663	1500		✓												
10	110	1137	0.451	1250		✓												
11	111	1138	0.485	1000		✓												
12	112	1141	0.425	800		✓												
13	113	1142	0.589	600		✓												
14	114	1146	1.300	400		✓												
15	115	1153	2.204	300		✓												
16	116	1154	2.348	250		✓												
17	117	1158	2.796	200		✓												
18	118	1168	4.133	150		✓												
19	119	1171	7.177	100		✓			2									
20	120	1174	7.194	75		✓			1									
21	121	1175	7.282	50		✓											2	
22	122	1176	6.522	25		✓												
23	123	1177	6.440	10		✓												
24	124	1180	6.435	0		✓												

Comments:

#12 On had a bubble
#122: Might not have enough acid.

ENTERED BY: F. W.
CHECKED BY: H. M.

Bottom Depth: 4250

Cast # down: 42

Cast # up: 42

Time	LOC	UTC
Begin:		2252
Bottom:		0003
End:		0132

START POSITION (GPS)

LAT: 50 00 12

LONG: 144 59 80

BOTTOM POSITION (GPS)

LAT: 50 00 02

LONG: 144 59 99

END POSITION (GPS)

LAT: 50 00 09

LONG: 145 00 01

ROSETTE LOG

MISSION ID: 9921
STATION NAME: Z04UTC DATE y/m/d: 99/09/04
CAST NUMBER: 52SHIP: TullyNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT	ML	ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	125	1106	3.821	B-20	✓	✓	✓								
2	126	1110	3.196	3750	✓										
3	127	1126	2.987	3500	✓										
4	128	1128	2.541	3000	✓										
5	129	1130	1.955	2500	✓										
6	130	1134	1.705	2250	✓										
7	131	1135	1.306	2000	✓										
8	132	1136	0.960	1750	✓										
9	133	1137	0.655	1500	✓										
10	134	1138	0.427	1250	✓										
11	135	1141	0.425	1000	✓										
12	136	1142	0.418	800	✓										
13	137	1146	0.627	600	✓										
14	138	1153	1.054	400	✓										
15	139	1154		300	✓										
16	140	1158	1.876	250	✓										
17	141	1168		200	✓										
18	142	1171	3.085	150	✓										
19	143	1174	6.475	100	✓			2							
20	144	1175	7.231	75	✓										
21	145	1176	7.272	50	✓										
22	146	1177	6.474	25	✓										
23	147	1180	6.452	10	✓										
24	148	1188	6.450	0	✓										

ENTERED BY: FW
CHECKED BY: DA/MLBottom Depth: 4069 mCast # down: 52Cast # up: 52

Time	LOC	UTC
Begin:		0517
Bottom:		0623
End:		0748

START POSITION (GPS)	
LAT:	52 39.03
LONG:	144 59.84

BOTTOM POSITION (GPS)	
LAT:	52 39.03
LONG:	144 59.95

END POSITION (GPS)	
LAT:	52 38.94
LONG:	145 00.09

Comments:

NISKIN 15 AND 17: TOP VALVE OPEN

ROSETTE LOG

MISSION ID:

9921

UTC DATE y/m/d:

99/09/05

SHIP: TULLY

STATION NAME:

Z09

CAST NUMBER:

62

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT	NH ₄	ALK		TCO					
								OXY		CHL		C13						
1	149	84	3.583	B-20		/			✓	✓	✓							
2	150	255	3.174	3750		/			✓	✓	✓							
3	151	333	2.985	3500		/			✓	✓	✓							
4	152	337	2.524	3000		/			✓	✓	✓							
5	153	364	1.951	2500		/			✓	✓	✓							
6	154	392	1.644	2250		/			✓	✓	✓							
7	155	425	1.325	2000		/			✓	✓	✓							
8	156	443	1.051	1750		/			✓	✓	✓							
9	157	467	0.786	1500		/			✓	✓	✓							
10	158	486	0.547	1250		/			✓	✓	✓							
11	159	534	0.444	1000		/			✓	✓	✓						Z	
12	160	535	0.398	800		/			✓	✓	✓							
13	161	572	0.408	600		/			✓	✓	✓							
14	162	578	0.810	400		/			✓	✓	✓							
15	163	588	1.038	300		/			✓	✓	✓							
16	164	632	1.269	250		/			✓	✓	✓							
17	165	641	1.670	200		/			✓	✓	✓							
18	166	650	2.142	150		/			✓	✓	✓							
19	167	657	3.951	100		/			✓	✓	✓	2						
20	168	695	6.626	75		✓			✓	✓	✓	1						
21	169	697	7.235	50		/			✓	✓	✓							
22	170	707	6.831	25					✓	✓	✓							
23	171	708	6.421	10					✓	✓	✓							
24	172	709	6.422	0					✓	✓	✓							

Comments:

#151: Bubble = 153, = 154.

ENTERED BY:

CHECKED BY:

Bottom Depth: 4042 m

Cast # down: 62

Cast # up: 62

Time	LOC	UTC
Begin:	0700	1400
Bottom:		1502
End:		1636

START POSITION (GPS)		
LAT:	54 59	91
LONG:	144 59	94

BOTTOM POSITION (GPS)		
LAT:	54 59	79
LONG:	145 00	44

END POSITION (GPS)		
LAT:	54 59	90
LONG:	145 00	20

ROSETTE LOG

MISSION ID:

9921

UTC DATE y/m/d:

1999/09/06

STATION NAME:

Z14

CAST NUMBER:

69

SHIP: TULLY

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

SAL

OXY

NUT

NH₄

ALK

C13

TCO

Samples taken

1	173	1148	3.563	8-20	3955	✓	✓	✓	✓										
2	174	1194	3.323	3750		✓													
3	175	1195	3.130	3500		✓													
4	176	1197	2.502	3000		✓													
5	177	1198	2.009	2500		✓													
6	178	1201	1.716	2250		✓													
7	179	1202	1.403	2000		✓													
8	180	1203	1.036	1750		✓													
9	181	1204	0.673	1500		✓													
10	182	1206	0.437	1250		✓													
11	183	1209	0.325	1000		✓													
12	184	1210	0.327	800		✓													
13	185	1212	0.485	600		✓													
14	186	1215	0.999	400		✓													
15	187	1216	1.538	300		✓													
16	188	1218	1.963	250		✓													
17	189	1219	2.534	200		✓													
18	190	1222	3.026	150		✓													
19	191	1223	5.341	100		✓													
20	192	1224	6.084	75		✓													
21	193	1225	6.136	50		✓													
22	194	1228	5.984	25		✓													
23	195	1230	6.559	10		✓													
24	196	1231	6.578	0		✓													

Comments:

ENTERED BY: J.W.

CHECKED BY: M.R.

Bottom Depth: 3930

Cast # down: 69

Cast # up: 69

Time LOC UTC

Begin: 1808

Bottom: 1922

End: 2050

START POSITION (GPS)

LAT: 57° 29.64

LONG: 145° 00.51

BOTTOM POSITION (GPS)

LAT: 57° 29.71

LONG: 145° 01.58

END POSITION (GPS)

LAT: 57° 29.54

LONG: 145° 02.03

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: Tully

ENTERED BY: Fw

CHECKED BY: MR

Bottom Depth: 4787

Cast # down: ~~72~~ 73

Cast # up: ~~72~~ 73

Time	LOC	UTC
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Begin: 0802

Bottom: 0826

End: 0907

START POSITION (GPS)

LAT: 57' 53.95

LONG: 146' 53.98

BOTTOM POSITION (GPS)

LAT: 57° 53.93

LONG: 146 54.02

END POSITION (GPS)

LAT: 57' 53.97

LONG: 146 54 04

[illegible]

Comments:

ROSETTE LOG

MISSION ID:

9921

UTC DATE y/m/d:

99/09/08

STATION NAME:

Z19

CAST NUMBER:

80

SHIP: TULLY

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken									
Trip	Confirmed	SAL		NUT	NH ₄	ALK		TCO			
pressure	Salinity		OXY		CHL		C13				

1	214	1148	0.549	B-20	972	✓		✓	✓	✓										
2	215	1194	0.439	1000	972	✓														
3	216	1195	0.407	800		✓														
4	217	1197	0.649	600		✓														
5	218	1198	1.364	400		✓														
6	219	1201	1.892	300		✓														
7	220	1202	2.235	250		✓														
8	221	1203	2.746	200		✓														
9	222	1204	4.930	150		✓														
10	223	1206	5.566	100		✓				2										
11	224	1209	5.612	75		✓				1										
12	225	1210	5.394	50		✓														
13	226	1212	6.231	25		✓														
14	227	1215	6.424	10		✓														
15	228	1216	6.451	0																
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: JH
CHECKED BY: MR

Bottom Depth: 971

Cast # down: 80

Cast # up: 80

Time	LOC	UTC
Begin:		0647
Bottom:		0702
End:		0732

START POSITION (GPS)
LAT: 59 26.47
LONG: 144 59 95

BOTTOM POSITION (GPS)
LAT: 59 26 48
LONG: 144 59 91

END POSITION (GPS)
LAT: 59 26.44
LONG: 144 59.91

Comments:

#225: Might not have enough acid
#226: Put magnet too early
#228: Stuffed in water

ROSETTE LOG

MISSION ID:

9921

UTC DATE y/m/d:

99/09/08

STATION NAME:

Z20

CAST NUMBER:

83

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	229	1241	2.343	B-10		/												
2	230	1243	5.278	150		/												
3	231	1244	6.071	100														
4	232	1247	5.896	75														
5	233	1248	6.196	50														
6	234	1249	6.293	25														
7	235	1251	6.479	10														
8	236	1252	6.530	0														
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 200

Cast # down: 83

Cast # up: 83

Time LOC UTC

Begin: 1608

Bottom: 1614

End: 1624

START POSITION (GPS)

LAT: 59 49.96

LONG: 145 00.09

BOTTOM POSITION (GPS)

LAT: 59 49.93

LONG: 144 60.00

END POSITION (GPS)

LAT: 59 49.80

LONG: 144 59.87

Comments:

#233: Bubbles

ROSETTE LOG

MISSION ID: 9921
STATION NAME: L13

UTC DATE y/m/d: 99/09/10
CAST NUMBER: 85

SHIP: 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		Cl3						
1	237	1106	2.481	B-10		✓	✓	✓	✓				✓					
2	238	1110	2.426	200		✓	✓	✓	✓				✓					
3	239	1126	2.559	150		✓	✓	✓	✓				✓					
4	240	1128	4.387	100		✓	✓	✓	✓				✓					
5	241	1130	6.152	75		✓	✓	✓	✓				✓					
6	242	1134	6.168	50		✓	✓	✓	✓				✓					
7	243	1135	6.457	25		✓	✓	✓	✓				✓					
8	244	1136	6.303	10		✓	✓	✓	✓				✓					
9	245	1137	6.673	0			✓	✓	✓				✓					
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: FW
CHECKED BY: MR

Bottom Depth: 260

Cast # down: 85
Cast # up: 85

Time	LOC	UTC
Begin:		1848
Bottom:		1853
End:		1907

START POSITION (GPS)
LAT: 56° 50.27
LONG: 136 00.02

BOTTOM POSITION (GPS)
LAT: 56° 51.02
LONG: 136.00 13

END POSITION (GPS)
LAT: 56° 51.11
LONG: 136° 00.48

Comments:

ROSETTE LOG

MISSION ID: 9921
STATION NAME: B07

UTC DATE y/m/d:
CAST NUMBER:

SHIP: JOHN P DUEY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
							ONX		ONE		C13							
1	246			500			/	/	/									
2	247			400			/	/	/									
3	248			300			/	/	/									
4	249			250			/	/	/									
5	250			200			/	/	/									
6	251			150			/	/	/									
7	252			100			/	/	/	/								
8	253			75			/	/	/	/								
9																		
10	254						/	/	/	/								
11																		
12	255						/	/	/	/								
13																		
14	256						/	/	/	/								
15				20														
16	257			20			/	/	/	/								
17				10														
18	258			10			/	/	/	/								
19				0														
20	259			0			/	/	/	/								
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9921
STATION NAME: BOS

UTC DATE y/m/d: _____
CAST NUMBER: _____

SHIP:

[illegible]

ENTERED BY:	
CHECKED BY:	

Bottom Depth:

Cast # down:

Cast # up: _____

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

 Springer

MISSION ID: 9921
STATION NAME: B03

UTC DATE y/m/d: _____
CAST NUMBER: _____

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
---------------	---------------	---------------	---------------	-----------------

ROSETTE OPERATION		Samples taken									
Trip	Confirmed	SAL		NUT	NH4	ALK		TCO			
pressure	Salinity		OXY		CHL		C13				

ENTERED BY:	
CHECKED BY:	

Bottom Depth:

Cast # down.

Cast # up: _____

Time	LOC	UTC
------	-----	-----

Begin:

Bottom: _____

End:

START POSITION (GPS)

LAT: _____

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: _____

LONG:

Comments: