

ROSETTE LOG

MISSION ID: 2005-22 STATION: LB01 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 06/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT	TCO		CI3		HL			
1	1		4.15	Bot-5	✓ 28	✓	✓	✓					✓	✓		
2	2		4.48	20	✓		✓	✓					✓	✓		
3	3		5.35	10	✓		✓	✓					✓	✓		
4	4		5.33	5	✓	✓	✓	✓					✓	✓		
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Comments:

SHIP: J. P. TULLY
 ENTERED BY: MR
 CHECKED BY: MR

Bottom Depth: 36

Cast # down: 1

Cast # up: 1

Time	LOC	UTC
Begin:		<u>0137</u>
Bottom:		<u>0139</u>
End:		<u>0143</u>

START POSITION (GPS)
 LAT: 48 40 31
 LONG: 124 59 52

BOTTOM POSITION (GPS)
 LAT: 48 40 32
 LONG: 124 59 53

END POSITION (GPS)
 LAT: 48 40 33
 LONG: 124 59 53

ROSETTE LOG

MISSION ID: 2005-22

STATION: 1 B02

CAST NUMBER: 2

UTC DATE (dd/mm/yyyy): 6/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	AM					
1	5		2.93	Bot-5	✓ 47	✓	✓	✓										
2	6		2.93	50	✓ 47													
3	7		3.37	30	✓								✓	✓				
4	8		4.27	20	✓								✓	✓				
5	9		4.79	10	✓								✓	✓				
6	10		5.18	5	✓	✓	✓	✓					✓	✓				
7																		
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Comments:

SHIP: J. P. TULLY
ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 56

Cast # down: 2

Cast # up:

Time	LOC	UTC
Begin:		0214
Bottom:		0217
End:		0222

START POSITION (GPS)
LAT: 48° 38' 99"
LONG: 125° 02' 45"

BOTTOM POSITION (GPS)
LAT: 48° 38' 99"
LONG: 125° 02' 48"

END POSITION (GPS)
LAT: 48° 39' 01"
LONG: 125° 02' 50"

ROSETTE LOG

MISSION ID: 2005-22 STATION: L304 CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 06/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3		NH4		
							OXY			ALK		CHL				
1	11			Bot-5	✓ 106	✓	✓	✓								
2	12		1.59	100	✓ 101			✓								
3	13		1.95	75	✓ 75											
4	14			50	✓ 50											
5	15			30	✓ 31								✓	✓		
6	16		3.525	20	✓ 20								✓	✓		
7	17		4.04	10	✓ 10								✓	✓		
8	18			5	✓ 3	✓	✓	✓					✓	✓		
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SHIP: Tolly
ENTERED BY: dy
CHECKED BY:

Bottom Depth: 112

Cast # down: 4
Cast # up:

Time	LOC	UTC
Begin:	2032	0332
Bottom:	2034	0334
End:	2045	0345

START POSITION (GPS)
LAT: 48 35.604
LONG: 125 8.801

BOTTOM POSITION (GPS)
LAT: 48 35.694
LONG: 125 8.796

END POSITION (GPS)
LAT: 48 25.683
LONG: 125 8.779

Comments:

ROSETTE LOG

MISSION ID: 2005-22 STATION: E1 CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 6/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	NH4					
1	19		1.48	B-#0	✓ 111	✓		✓	✓									
2	20		1.91	75	✓ 76			✓	✓									
3	21		2.24	50	✓ 51			✓	✓									
4	22		3.22	30	✓ 30			✓	✓									
5	23		3.40	20	✓ 20			✓	✓			✓	✓					
6	24		5.14	10	✓ 10			✓	✓			✓	✓					
7	25		6.27	5	✓ 5	✓		✓	✓			✓	✓					
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24																		

Comments:

SHIP:
ENTERED BY: *dy*
CHECKED BY:

Bottom Depth: 119

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:	2227	0527
Bottom:	2230	0530
End:	2239	0539

START POSITION (GPS)
LAT: 48 31.690
LONG: 125 4.012

BOTTOM POSITION (GPS)
LAT: 48 31.690
LONG: 125 4.012

END POSITION (GPS)
LAT: 48 31.663
LONG: 125 4.027

ROSETTE LOG

MISSION ID: 2005-22

STATION: C2

CAST NUMBER: 9

UTC DATE (dd/mm/yyyy):

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	N14			
1	26		1.53	8-5	143	✓	✓	✓								
2	27		1.55	100	99		✓	✓								
3	28		1.98	75	75		✓	✓								
4	29		2.08	50	50		✓	✓								
5	30		2.70	30	29		✓	✓								
6	31		3.42	20	20		✓	W				✓	✓			
7	32		4.46	10	10		✓	✓				✓	✓			
8	33		5.83	5	5	✓	✓	✓				✓	✓			
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SHIP: Tully
ENTERED BY: FW
CHECKED BY: JW

Bottom Depth: 151

Cast # down: 9
Cast # up: 9

Time	LOC	UTC
Begin:		0723
Bottom:		0728
End:		0737

START POSITION (GPS)
LAT: 48 25.45
LONG: 125 7.89

BOTTOM POSITION (GPS)
LAT: 48 25.46
LONG: 125 7.86

END POSITION (GPS)
LAT: 48 25.45
LONG: 125 7.85

Comments:

ROSETTE LOG

MISSION ID: 2005-22

STATION: LB 06

CAST NUMBER: 12

UTC DATE (dd/mm/yyyy): 6 Sept 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	NH4			
1	34		1.519	B-5	107	✓	✓	✓								poor endpoint, cool
2	35		1.60	B-5	107		✓	✓								poor endpoint, samples
3	36		1.423	100	100		✓	✓								New thio tip
4	37		1.743	75	75		✓	✓								Poor endpoint, Clean lens
5	38		1.935	50	50		✓	✓								Poor endpoint, set early
6	39		2.427	30	30		✓	✓								Good
7	40		3.29	20	20		✓	✓				✓	✓			Poor
8	41		4.625	10	10		✓	✓				✓	✓			
9	42		6.494	5	5	✓	✓	✓								
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SHIP: TULLY
ENTERED BY: JH
CHECKED BY:

Bottom Depth: 116

Cast # down: 12
Cast # up:

Time	LOC	UTC
Begin:		0927
Bottom:		0930
End:		0938

START POSITION (GPS)
LAT: 48 32.22
LONG: 125 15.52

BOTTOM POSITION (GPS)
LAT: 48 32.22
LONG: 125 15.51

END POSITION (GPS)
LAT: 48 32.21
LONG: 125 15.48

Comments:

ROSETTE LOG

MISSION ID: 2005-22 STATION: C3 CAST NUMBER: 1718

UTC DATE (dd/mm/yyyy): 6/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	NP4			
1	43		0.987	Bot-8	✓	112	✓	/	/							marginal
2	44		1.399	100	✓											poor
3	45		1.180	75	✓											good!
4	46		1.907	50	✓											good
5	47		2.509	30	✓							✓	✓			marg.
6	48		2.563	20	✓							✓	✓			good
7	49		3.520	10	✓							✓	✓			good
8	50		4.965	5	✓		✓	✓	✓			✓	✓			good
9																
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SHIP: J.P. TULLY
ENTERED BY: MK
CHECKED BY: MK

Bottom Depth:

Cast # down: 17
Cast # up:

Time	LOC	UTC
Begin:		1405
Bottom:		1409
End:		1418

START POSITION (GPS)
LAT: 48 23 47
LONG: 125 20 81

BOTTOM POSITION (GPS)
LAT: 48 23 45
LONG: 125 20 83

END POSITION (GPS)
LAT: 48 23 45
LONG: 125 20 82

ROSETTE LOG

MISSION ID: 2005-22 STATION: L808 CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 6/9/05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL						
1	51		1.173	Bot-5	✓	126	✓	✓	✓									bad endpoint
2	52		1.185	125	✓	126												Terrible endpoint
3	53		1.143	100	✓	100												Marginal
4	54		1.597	75	✓	75												bad
5	55		1.879	50	✓	50												Change probes
6	56		2.853	30	✓	30												
7	57		3.623	20	✓	20												
8	58		5.456	10	✓	10												
9	59		5.740	5	✓	5	✓	✓	✓									
10																		
11	999	1136	5.758	999		test endpoint												good endpoint
12																		
13																		
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24																		

Comments:

SHIP: Tully
ENTERED BY: DYI
CHECKED BY:

Bottom Depth: 137

Cast # down: 20
Cast # up: 20

Time	LOC	UTC
Begin:		1727
Bottom:		1531
End:		1544

START POSITION (GPS)
LAT: 48 25.117
LONG: 125 28.414

BOTTOM POSITION (GPS)
LAT: 48 25.174
LONG: 125 28.428

END POSITION (GPS)
LAT: 48 25.190
LONG: 125 28.426

ROSETTE LOG

MISSION ID: 2605-22 STATION: LB09 CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 6 Sep 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	NH4				
1	60		1.445	B-5	✓	1.45	✓	✓									
2	61		1.267	100	✓	1.26		✓									
3	62		1.584	75	✓	1.58		✓									
4	63		2.911	50	✓	2.91		✓									
5	64		3.470	30	✓	3.47		✓				✓	✓				
6	65		3.575	20	✓	3.57		✓				✓	✓				
7	66		4.365	10	✓	4.36		✓				✓	✓				
8	67		5.303	5	✓	5.30	✓	✓	✓			✓	✓				
9																	
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23																	
24																	

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 150

Cast # down: 21
Cast # up: 21

Time	LOC	UTC
Begin:		1724
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 21.95
LONG: 125 34.73

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2005-22 STATION: L811 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 6 Sep 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL	NH4					
1	68		1.554	B-5	2.00	✓	✓	✓										
2	69		1.587	175	175			✓	✓									
3	70		1.988	150	149			✓	✓									
4	71		3.077	125	124			✓	✓									
5	72		3.620	100	99			✓	✓									
6	73		4.615	75	74			✓	✓									
7	74		5.308	50	49			✓	✓									
8	75		5.672	30	29			✓	✓									
9	76		5.931	20	19			✓	✓				✓	✓				
10	77		6.087	10	9			✓	✓				✓	✓				
11	78		5.825	5		✓	✓	✓					✓	✓				
12																		
13																		
14																		
15																		
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22																		
23																		
24																		

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 208

Cast # down: 23
Cast # up: 23

Time	LOC	UTC
Begin:		1912
Bottom:		1919
End:		1932

START POSITION (GPS)
LAT: 48 15.12
LONG: 125 47.83

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 15.03 N
LONG: 125 47.88 W

Comments:

ROSETTE LOG

MISSION ID: 2005-22 STATION: LB 12 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 06/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	Cl3	CHL	NH4			
1	79		0.812	BOT-10	497	✓	✓	✓								Endpoint glitch (54%?)
2	80			500	450											
3	81		1.061	400	399											
4	82		1.355	300	299											
5	83		1.530	250	249											
6	84		1.682	200	198											
7	85		2.178	175	174											
8	86		2.715	150	149			✓								
9	87		3.318	125	124											
10	88		4.210	100	100											
11	89		4.792	75	73											
12	90		5.627	50	49											
13	91		5.982	30	29							✓	✓			
14	92		6.104	20	19							✓	✓			
15	93		5.798	10	9							✓	✓			
16	94			5	4	✓	✓	✓								
17																
18																
19																
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23																
24																

Comments: NUTRIENTS -> ORANGE RACK

SHIP: Tully
ENTERED BY:
CHECKED BY: FW

Bottom Depth: 505

Cast # down: 24
Cast # up:

Time	LOC	UTC
Begin:		2005
Bottom:		2014
End:		2035

START POSITION (GPS)
LAT: 48 12.91
LONG: 125 51.80

BOTTOM POSITION (GPS)
LAT: 48 12.91
LONG: 125 51.78

END POSITION (GPS)
LAT: 48 12.88
LONG: 125 51.81

ROSETTE LOG

MISSION ID: 2005-22

STATION: LB14

CAST NUMBER: 26

UTC DATE (dd/mm/yyyy): 06/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	NH4					
1	95		0.328	BOT-10	1160	✓	✓	✓										? endpoint Bubble
2	96		0.298	1100	1100													
3	97		0.182	1000	1000													
4	98		0.172	800	801													
5	99		0.470	600	599													
6	100		0.738	500	498													
7	101		1.188	400	400													
8	102		1.670	300	298													
9	103		1.895	250	250													
10	104		2.203	200	198													
11	105		2.399	175	175													
12	106		2.787	150	150			✓										
13	107		3.352	125	✓													
14	108		3.942	100	✓													
15	109		5.556	75	✓													
16	110		6.284	50	✓													
17	111		6.103	30	✓							✓	✓					
18	112		6.376	20	✓							✓	✓					
19	113		5.827	10	✓							✓	✓					
20	114		5.751	5	✓	✓	✓	✓				✓	✓					
21																		
22																		
23																		
24																		

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 1170

Cast # down: 26

Cast # up:

Time	LOC	UTC
Begin:		2133
Bottom:		2226
End:		2259

START POSITION (GPS)

LAT: 48 08.44

LONG: 126 00.01

BOTTOM POSITION (GPS)

LAT: 48 08.46

LONG: 125 59.97

END POSITION (GPS)

LAT: 48 08.50

LONG: 125 59.98

Comments: NUTS -> GREEN RACK

ROSETTE LOG

MISSION ID: 2005-22

STATION: LC11

CAST NUMBER: 32

UTC DATE (dd/mm/yyyy):

07/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	NH4						
1	115		0.571	Bot-10	1450														
2	116		0.311	1200	1200														
3	117		.221	1000	999														
4	118		.190	800	799														
5	119		.422	600	600														
6	120		.688	500	499														
7	121		1.191	400	400														
8	122		1.809	300	300														
9	123		2.302	250	250														
10	124		—	200	200														
11	125		2.891	175	175														
12	126		3.281	150	148														
13	127		3.486	125	125														
14	128		4.101	100	100														
15	129		5.722	75	75														
16	130		6.382	50	50														
17	131		5.781	30	30														
18	132		5.779	20	19														
19	133		5.634	10	9														
20	134		5.735	5	3														
21																			
22																			
23																			
24																			

SHIP: TULLY

ENTERED BY: DFM

CHECKED BY:

Bottom Depth: 1450

Cast # down: 32

Cast # up:

Time LOC UTC

Begin: 0835

Bottom: 0903

End: 0946

START POSITION (GPS)

LAT: 48° 18.35

LONG: 126° 26.74

BOTTOM POSITION (GPS)

LAT: 48° 18.96

LONG: 126° 26.72

END POSITION (GPS)

LAT: 48° 18.98

LONG: 126° 26.70

Comments:

ROSETTE LOG

MISSION ID:

2005-22

STATION:

LC9

CAST NUMBER:

34

UTC DATE (dd/mm/yyyy):

07/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL							
1	135		4.89	Bot-10	✓	603	✓	✓	✓										
2	136		4.78	600	✓														
3	137		7.14	500	✓														
4	138		1.058	400	✓														
5	139		1.536	300	✓														
6	140		1.910	250	✓														
7	141		2.177	200	✓														
8	142		2.324	175	✓			✓											
9	143		2.839	150	✓														
10	144		3.062	125	✓														
11	145		3.972	100	✓														
12	146		5.114	75	✓														
13	147		6.249	50	✓														
14	148		6.914	30	✓														
15	149			20	✓														
16	150		5.724	10	✓														
17	151		5.731	5	✓														
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP:

J.P. TULLY

ENTERED BY:

MR

CHECKED BY:

Bottom Depth:

601

Cast # down:

34

Cast # up:

Time

LOC

UTC

Begin:

1158

Bottom:

1210

End:

1235

START POSITION (GPS)

LAT:

48 25 94

LONG:

126 13 65

BOTTOM POSITION (GPS)

LAT:

48 25 93

LONG:

126 13 69

END POSITION (GPS)

LAT:

48 25 92

LONG:

126 13 69

Comments:

NUTRIENTS: BLUE RACK

ROSETTE LOG

MISSION ID: 2005-22

STATION: LCB/A1

CAST NUMBER:

39

UTC DATE (dd/mm/yyyy):

7/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
							OXY			ALK		CHL	NH4						
1	152		1.438	Bot-10	✓ 195	✓	✓	✓											
2	153		1.824	175	✓ 175														
3	154		2.455	150	✓ 150														
4	155		3.353	125	✓ 125														
5	156		3.796	100	✓ 100														
6	157		4.746	75	✓ 75														
7	158		6.165	50	✓ 50														
8	159		6.172	30	✓ 30								✓	✓					
9	160		5.914	20	✓ 20								✓	✓					
10	161		5.754	10	✓ 10								✓	✓					
11	162		5.763	5	✓ 5	✓	✓	✓					✓	✓					
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: J.P. TULLY
ENTERED BY: MK/My
CHECKED BY:

Bottom Depth: 200

Cast # down: 39

Cast # up: 39

Time LOC UTC

Begin: 0758 1458

Bottom: 0803 1503

End: 0818 1518

START POSITION (GPS)

LAT: 48 29.407

LONG: 126 7.088

BOTTOM POSITION (GPS)

LAT: 48 29.413

LONG: 126 7.049

END POSITION (GPS)

LAT: 48 29.413

LONG: 126 7.045

ROSETTE LOG

MISSION ID: 2005-22

STATION: LCO6

CAST NUMBER: 41

UTC DATE (dd/mm/yyyy):

7/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	NAH					
1	163		2.215	Bot-5	✓ 88	✓	✓	✓										
2	164		2.341	75	✓ 75		✓	✓										
3	165		2.721	50	✓ 50		✓	✓										
4	166		3.598	30	✓ 30		✓	✓				✓	✓					
5	167		4.831	20	✓ 20		✓	✓				✓	✓					
6	168		7.313	10	✓ 10		✓	✓				✓	✓					
7	169		7.594	5	✓ 5	✓	✓	✓				✓	✓					
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: Dy
CHECKED BY:

Bottom Depth: 93

Cast # down: 41
Cast # up:

Time	LOC	UTC
Begin:	1043	1743
Bottom:	1046	1746
End:		

START POSITION (GPS)
LAT: 48 36.498
LONG: 125 53.959

BOTTOM POSITION (GPS)
LAT: 48 36.504
LONG: 125 53.944

END POSITION (GPS)
LAT: 48 36.505
LONG: 125 53.911

Comments:

ROSETTE LOG

MISSION ID: 2005-22

STATION: LC04

CAST NUMBER: 45

UTC DATE (dd/mm/yyyy):

07/09/2005

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 170

Cast # down: 45

Cast # up:

Time	LOC	UTC
Begin:		<u>2016</u>
Bottom:		<u>2019</u>
End:		<u>2030</u>

START POSITION (GPS)

LAT: 48 43.51

LONG: 125 40.81

BOTTOM POSITION (GPS)

LAT: 48 43.50

LONG: 125 40.84

END POSITION (GPS)

LAT: 48 43.42

LONG: 125 40.93

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	NH4	CA					
1	170		1.848	8-5	155	✓	✓	✓											
2	171		1.739	150	151														
3	172		1.872	125	125														
4	173		2.177	100	100														
5	174		2.509	75	75														
6	175		3.307	50	51			✓						✓					
7	176		3.924	30	29							✓	✓	✓					
8	177		4.416	20	19							✓	✓	✓					
9	178		5.432	10	10							✓	✓	✓					
10	179		5.641	5	4	✓	✓	✓				✓	✓	✓					
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ROSETTE LOG

MISSION ID: 2005-22

STATION: LC02

CAST NUMBER: 48

UTC DATE (dd/mm/yyyy): 07/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	NH4						
1	180		1.889	B-5	105	✓	✓	✓											
2	181		1.791	100	99														
3	182		2.716	75	74														
4	183		2.979	50	49			✓											
5	184		3.633	30	29							✓	✓						
6	185		3.834	20	19							✓	✓						
7	186		5.144	10	9							✓	✓						
8	187		5.473	5	4	✓	✓	✓											
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: TULLY
ENTERED BY: JW
CHECKED BY:

Bottom Depth: 112

Cast # down: 48
Cast # up:

Time	LOC	UTC
Begin:		2226
Bottom:		2229
End:		2238

START POSITION (GPS)
LAT: 48 48.68
LONG: 125 30.90

BOTTOM POSITION (GPS)
LAT: 48 48.68
LONG: 125 30.88

END POSITION (GPS)
LAT: 48 48.67
LONG: 125 30.86

Comments:

ROSETTE LOG

MISSION ID: 2005-22

STATION: LC01

CAST NUMBER: 49

UTC DATE (dd/mm/yyyy): 07/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	NAH					
1	188		1.989	Bot-87	✓ 89	✓	✓	✓										
2	189		2.128	75	✓													
3	190			50	✓													
4	191		4.10	30	✓							✓	✓					
5	192		5.672	20	✓							✓	✓					
6	193		7.456	10	✓							✓	✓					
7	194		8.404	5	✓	✓	✓	✓										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 97

Cast # down: 49
Cast # up:

Time	LOC	UTC
Begin:		2308
Bottom:		2311
End:		2315

START POSITION (GPS)
LAT: 48 50.43
LONG: 125 27.67

BOTTOM POSITION (GPS)
LAT: 48 50.41
LONG: 125 27.68

END POSITION (GPS)
LAT: 48 50.51
LONG: 125 27.61

Comments:

ROSETTE LOG

MISSION ID: 2005-22

STATION: L61

CAST NUMBER: 50

UTC DATE (dd/mm/yyyy): 8/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	NH4						
1	195		2.744	Bot-5	✓ 46	✓	✓	✓											
2	196		2.916	30	✓ 30			✓					✓	✓					
3	197		4.048	20	✓ 20			✓					✓	✓					
4	198		5.897	10	✓ 10			✓					✓	✓					
5	199		5.944	5	✓ 5	✓	✓	✓					✓	✓					
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: Tully
ENTERED BY: JY
CHECKED BY:

Bottom Depth: 55

Cast # down: 50
Cast # up: 50

Time	LOC	UTC
Begin:	2140	0440
Bottom:	2143	0443
End:	2149	0449

START POSITION (GPS)
LAT: 49 20.516
LONG: 126 34.927

BOTTOM POSITION (GPS)
LAT: 49 20.514
LONG: 126 34.913

END POSITION (GPS)
LAT: 49 20.560
LONG: 126 34.972

Comments:

ROSETTE LOG

MISSION ID: 2005-22 STATION: 662 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 8/9/2005 Sept 8/05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL	NTG					
1	200		2.057	10-5	✓ 94	✓	✓	✓										
2	201		2.965	75	✓ 74			✓	✓									
3	202		2.852	50	✓ 49			✓	✓									
4	203		4.313	30	✓ 30			✓	✓					✓	✓			
5	204		5.300	20	✓ 20			✓	✓					✓	✓			
6	205		5.879	10	✓ 10	✓		✓	✓					✓	✓			
7	206		6.372	5	✓ 5													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: [signature]
CHECKED BY:

Bottom Depth: 100

Cast # down: 51
Cast # up:

Time	LOG	UTC
Begin:	2232	0532
Bottom:	2236	0536
End:	2243	0543

START POSITION (GPS)
LAT: 49 18.722
LONG: 126 38.137

BOTTOM POSITION (GPS)
LAT: 49 18.721
LONG: 126 38.165

END POSITION (GPS)
LAT: 49 18.684
LONG: 126 38.138

ROSETTE LOG

MISSION ID: 2005-22

STATION: LG04

CAST NUMBER: 55

UTC DATE (dd/mm/yyyy): 08/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL				
1	207		1.507	134	134	✓	✓	✓								
2	208		2.352	124	124		✓	✓								
3	209		3.765	100	100		✓	✓								
4	210		3.652	75	76		✓	✓								
5	211		4.951	50	49		✓	✓								
6	212		4.829	30	30		✓	✓				✓	✓			
7	213		5.588	20	✓		✓	✓				✓	✓			
8	214		6.404	10	10		✓	✓				✓	✓			
9	215		6.313	5	5	✓	✓	✓				✓	✓			
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: TULLY
ENTERED BY: Iw
CHECKED BY:

Bottom Depth: 146

Cast # down: 55
Cast # up:

Time	LOC	UTC
Begin:		0752
Bottom:		0756
End:		0807

START POSITION (GPS)
LAT: 49 11.26
LONG: 126 49.34

BOTTOM POSITION (GPS)
LAT: 49 11.26
LONG: 126 49.36

END POSITION (GPS)
LAT: 49 11.27
LONG: 126 49.37

Comments:

ROSETTE LOG

MISSION ID: 2005-22 STATION: LG06 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 08/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL	NH4			
1	216		0.211	BOT-5	960	✓	✓	✓								
2	217		0.222	800	799											
3	218		0.411	600	600											
4	219		.689	500	500											
5	220		1.109	400	399											
6	221		1.718	300	300											
7	222		2.288	250	250											
8	223		2.375	200	200											
9	224		2.467	175	175											
10	225		2.822	150	150				✓							
11	226		2.950	125	125											
12	227		3.540	100	98											
13	228		3.537	75	75											
14	229		4.943	50	50											
15	230		6.148	30	29							✓	✓			
16	231		6.375	20	20							✓	✓			
17	232		5.803	10	9							✓	✓			
18	233		5.797	5	5	✓		✓	✓							
19																
20																
21																
22																
23																
24																

Comments: NUTS -> BROWN RACK

SHIP: TULLY
 ENTERED BY: IW
 CHECKED BY: _____

Bottom Depth: 970

Cast # down: 57
 Cast # up: _____

Time	LOC	UTC
Begin:		<u>0950</u>
Bottom:		<u>1008</u>
End:		<u>1037</u>

START POSITION (GPS)
 LAT: 49 03.54
 LONG: 127 01.18

BOTTOM POSITION (GPS)
 LAT: 49 03.63
 LONG: 127 01.25

END POSITION (GPS)
 LAT: 49 03.81
 LONG: 127 01.38

ROSETTE LOG

MISSION ID: 2005-22 STATION: LG09 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 8/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	NH4						
1	234		1.422	2000	✓ 2005.8	✓	✓	✓											
2	235		0.627	1500	✓ 1498.4														
3	236		0.225	1200	✓ 1198.8														
4	237		0.249	1000	✓ 999.9														
5	238		0.237	800	✓ 799.1														
6	239		0.400	600	✓ 651.3														
7	240		.669	500	✓ 499.6														
8	241		1.004	400	✓ 397.8														
9	242		1.482	300	✓ 301.4														
10	243		1.952	250	✓ 249.3			✓											
11	244		2.563	200	✓ 199.8														
12	245		2.672	175	✓ 174.9														
13	246		2.930	150	✓ 150														
14	247		3.478	125	✓ 123														
15	248		3.736	100	✓ 102														
16	249		4.859	75	✓ 75														
17	250		5.160	50	✓ 49														
18	251		5.543	30	✓ 30								✓	✓					
19	252		5.950	20	✓ 20								✓	✓					
20	253		6.283	10	✓ 10								✓	✓					
21	254		6.258	5	✓ 5	✓	✓	✓					✓	✓					Air bubble in sample
22																			
23																			
24																			

Comments: NUTS -> YELLOW RACK

SHIP: TULLY

ENTERED BY: IW

CHECKED BY:

Bottom Depth: 2053

Cast # down: 60

Cast # up:

Time	LOC	UTC
Begin:		1435
Bottom:		1507
End:		1556

START POSITION (GPS)	
LAT:	48 51 20
LONG:	127 19 36

BOTTOM POSITION (GPS)	
LAT:	48 51 29.9
LONG:	127 19 25

END POSITION (GPS)	
LAT:	48 51 19
LONG:	127 19 39

ROSETTE LOG

MISSION ID: 2005-22

STATION: LBP 7

CAST NUMBER: 64

UTC DATE (dd/mm/yyyy):

9/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	NH4						
1	255		1.400	8-10	✓	2000	✓	✓	✓										
2	256		0.650	1500	✓														
3	257		0.300	1200	✓														
4	258		0.233	1000	✓														
5	259		0.216	800	✓														
6	260		0.392	600	✓														
7	261		0.558	500	✓														
8	262		1.062	400	✓														
9	263		1.707	300	✓														
10	264		2.189	250	✓														
11	265		2.891	200	✓														
12	266		2.981	175	✓														
13	267		4.596	150	✓														
14	268		3.678	125	✓														
15	269		3.877	100	✓														
16	270		4.594	75	✓														
17	271		6.213	50	✓														
18	272		6.907	30	✓														
19	273		6.475	20	✓														
20	274		6.261	10	✓														
21	275		6.175	5			✓	✓	✓										
22																			
23																			
24																			

SHIP: Tully
ENTERED BY: FW
CHECKED BY: MK

Bottom Depth: 2189

Cast # down: 64
Cast # up:

Time	LOC	UTC
Begin:		0201
Bottom:		0229
End:		0323

START POSITION (GPS)
LAT: 49 52 43
LONG: 128 11 17

BOTTOM POSITION (GPS)
LAT: 49 52 43
LONG: 128 11 13

END POSITION (GPS)
LAT: 49 52 43
LONG: 128 11 26

Comments: NUTRIENTS WHITE RACK

ROSETTE LOG

MISSION ID: 2005-22

STATION: LBP5

CAST NUMBER: 67

UTC DATE (dd/mm/yyyy): 9/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	NH4					
1	276		0.471	8-10	✓ 1280	✓	✓	✓										
2	277		0.419	1200	✓ 1199													
3	278		0.337	1000	✓ 1002													
4	279		0.251	800	✓ 800													
5	280		0.561	600	✓ 600													
6	281		.809	500	✓ 500													
7	282		1.003	400	✓ 400													
8	283		1.495	300	299													
9	284		1.646	250	251													
10	285		2.069	200	200													
11	286		1.884	175	174													
12	287		1.814	150	150													
13	288		2.569	125	125													
14	289		3.283	100	97													
15	290		3.45	75	75													
16	291		3.461	50	49													
17	292		3.723	30	30													
18	293		4.612	20	20							✓	✓	✓				
19	294		5.616	10	10							✓	✓	✓				
20	295		5.689	5	4	✓	✓	✓				✓	✓	✓				
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY: DY

CHECKED BY:

Bottom Depth: 1280

Cast # down: 67

Cast # up: 67

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT: 49 59.98

LONG: 128 0.0

BOTTOM POSITION (GPS)

LAT: 50 0.50

LONG: 128 0.0

END POSITION (GPS)

LAT:

LONG:

Comments:

NUTS → RED RACK

ROSETTE LOG

MISSION ID: 2005-22 STATION: LBP3 CAST NUMBER: 70 UTC DATE (dd/mm/yyyy): 9 Sep 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY			ALK		CHL	NH4					
1	296		1.836	3-5	110	✓	✓	✓										
2	297		1.844	150	150		✓	✓										
3	298		2.053	125	126		✓	✓										
4	299		2.225	100	100		✓	✓										
5	300		3.096	75	76		✓	✓										
6	301		3.261	50	50		✓	✓										
7	302		3.224	30	30		✓	✓										
8	303		3.203	20	18		✓	✓				✓	✓					
9	304		4.284	10	9		✓	✓				✓	✓					
10	305		4.653	5	5	✓	✓	✓				✓	✓					
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 170

Cast # down: 70
Cast # up: 70

Time	LOC	UTC
Begin:		920
Bottom:		924
End:		0934

START POSITION (GPS)
LAT: 50 3.15
LONG: 127 55.23

BOTTOM POSITION (GPS)
LAT: 50 3.14
LONG: 127 55.24

END POSITION (GPS)
LAT: 50 03.15
LONG: 127 55.26

ROSETTE LOG

MISSION ID: 2005-22

STATION: CS01

CAST NUMBER: 79

UTC DATE (dd/mm/yyyy):

10/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ALK	CHL	
1				50												X
2				30												X
3				10												
4				5												
5																
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SHIP: Tully
ENTERED BY: [signature]
CHECKED BY:

Bottom Depth: 2107

Cast # down: 79
Cast # up:

Time	LOC	UTC
Begin:	2033	0333
Bottom:	2036	0346
End:	2101	0401

START POSITION (GPS)
LAT: 50 34.907
LONG: 129 41.545

BOTTOM POSITION (GPS)
LAT: 50 34.888
LONG: 129 41.525

END POSITION (GPS)
LAT: 50 34.891
LONG: 129 41.521

Comments: Samples for Akash

ROSETTE LOG

MISSION ID: 2005-22

STATION: CS02

CAST NUMBER: 83

UTC DATE (dd/mm/yyyy): 10 Sep 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		W44		
1	306		0.248	1000	1000	✓										
2	307		0.301	800	801											
3	308			600	599											
4	309		0.725	500	500											
5	310		0.997	400	400											
6	311		1.384	300	299											
7	312		1.639	250	250											
8	313		1.861	200	200											
9	314		2.009	175	175											
10	315		2.305	150	150											
11	316		3.081	125	125											
12	317		3.315	100	100											
13	318		3.602	75	75											
14	319		4.124	50	50											
15	320		4.108	30	30											
16	321		4.232	20	20											
17	322		5.605	10	10											
18	323		5.701	5	5	✓										
19																
20																
21																
22																
23																
24																

Empty at surface?

SHIP: J.P. TULLY
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 1901 m

Cast # down: 83
Cast # up:

Time	LOC	UTC
Begin:		0716
Bottom:		0731
End:		

START POSITION (GPS)
LAT: 50 41.29
LONG: 129 28.00

BOTTOM POSITION (GPS)
LAT: 50 41.32
LONG: 129 28.02

END POSITION (GPS)
LAT:
LONG:

Comments: ~~to be added~~ Rock

ROSETTE LOG

MISSION ID: 2005-22

STATION: CS4

CAST NUMBER: 87

UTC DATE (dd/mm/yyyy): 10 Sept 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	324		2.615	85	85	✓	✓	✓										
2	325		2.753	75	75													
3	326		3.428	50	51													
4	327		4.353	30	31													
5	328		5.113	20	20								✓	✓				
6	329		5.556	10	10								✓	✓				Poor endpoint
7	330		5.629	5		✓	✓	✓					✓	✓				
8																		
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SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 95

Cast # down: 87

Cast # up:

Time	LOC	UTC
Begin:		1035
Bottom:		1039
End:		1045

START POSITION (GPS)	
LAT:	50 49.21
LONG:	129 13.02

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

ROSETTE LOG

MISSION ID: 2005-22 STATION: CS06 CAST NUMBER: 92 UTC DATE (dd/mm/yyyy): 10/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL				
1	331		3.988	3-5	✓ 60	✓		✓								Bubble on lens, porendpt
2	332		3.477	50	✓ 20											
3	333		4.031	30	✓ 21											
4	334		4.070	20	✓ 19							✓	✓			
5	335		4.290	10	✓ 11							✓	✓			
6	336		6.075	5	✓ 5	✓		✓				✓	✓			
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SHIP: Tully
ENTERED BY: py
CHECKED BY:

Bottom Depth: 65

Cast # down: 92
Cast # up: 92

Time	LOC	UTC
Begin:	1005	1705
Bottom:	1008	1708
End:	1014	1714

START POSITION (GPS)
LAT: 51 0.065
LONG: 128 50.080

BOTTOM POSITION (GPS)
LAT: 51 0.070
LONG: 128 50.092

END POSITION (GPS)
LAT: 51 0.190
LONG: 128 50.109

Comments:

ROSETTE LOG

MISSION ID: 2005-22 STATION: CS07 CAST NUMBER: 95 UTC DATE (dd/mm/yyyy): 10/9/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ALK	CHL	Akash			
1				50												✓			
2				30												✓			
3				10												✓			
4				5												✓			
5																			
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SHIP: Tully
ENTERED BY: dy
CHECKED BY:

Bottom Depth: 65

Cast # down: 95
Cast # up: 95

Time	LOC	UTC
Begin:		1907
Bottom:		1911
End:		1916

START POSITION (GPS)
LAT: 51 04.50
LONG: 128 44.45

BOTTOM POSITION (GPS)
LAT: 51 04.43
LONG: 128 44.59

END POSITION (GPS)
LAT: 51 04.31
LONG: 125 44.74

Comments:

ROSETTE LOG

MISSION ID: 2005-22

STATION: CS09

CAST NUMBER: 96

UTC DATE (dd/mm/yyyy):

10 Sep 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	NH4						
1	337		2.039	B-5	190	✓	✓	✓											
2	338		2.024	175	175	✓	✓	✓											
3	339		2.326	150	150	✓	✓	✓											
4	340		2.279	125	122	✓	✓	✓											
5	341		2.511	100	100	✓	✓	✓											
6	342		3.057	75	74	✓	✓	✓											
7	343		4.047	50	50	✓	✓	✓											
8	344		4.631	30	29	✓	✓	✓											
9	345		4.939	20	20	✓	✓	✓											
10	346		6.204	10	10	✓	✓	✓											
11	347		6.280	5	5	✓	✓	✓											
12																			
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SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 196

Cast # down: 96

Cast # up:

TimeLOCUTC

Begin:2107

Bottom:2112

End:2120

START POSITION (GPS)

LAT: 51 12.48

LONG: 128 28.00

BOTTOM POSITION (GPS)

LAT: 51 12.49

LONG: 128 27.94

END POSITION (GPS)

LAT:

LONG:

Comments: