

ROSETTE LOG

MISSION ID: 9809
STATION NAME: RR-TEST

UTC DATE y/m/d: 6/5/98
CAST NUMBER: 0009

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		C13								O2
1	1			170	179	✓	✓													
2	2			180		✓	✓													
3	3			150		✓	✓													
4	4			140		✓	✓													
5	5			130		✓	✓													
6	6			120		✓	✓													
7	7			110		✓	✓													
8	8			100		✓	✓													
9																				
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ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 187

Cast # down: 0009
Cast # up: 0009

Time	LOC	UTC
Begin:		1021
Bottom:		
End:		1036

START POSITION (GPS)
LAT: 48 17.08
LONG: 123 37.24

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LB01

UTC DATE y/m/d: 7/5/98
CAST NUMBER: 0010

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												Oxy
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
								OXY		CHL		C13							
1	9*			24		✓	✓	✓											*← No Sample
2	10			20		✓	✓	✓											5.158
3	11			10		✓	✓	✓											6.148
4	12			0		✓	✓	✓											8.547
5																			
6																			
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24																			

ENTERED BY: JJS
CHECKED BY:

Bottom Depth: 34m

Cast # down: 0010
Cast # up: 0010

Time	LOC	UTC
Begin:	0149	
Bottom:	0151	
End:	0155	

START POSITION (GPS)
LAT: 4840.44
LONG: 12459.55

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: Bottle #1 did not fire! No explanation

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LB02UTC DATE y/m/d: 7/5/98
CAST NUMBER: 0011SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										0x9
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	13			49		✓		✓								* Niskin #1 did not fire	
2	14	332.		30		✓		✓									4.929
3	15	333		20		✓		✓									5.727
4	16	337		10		✓	142.61	✓				System failure	1.24	1335			7.495
5	17	364		0		✓		✓									9.356
6																	
7																	
8																	
9																	
10																	
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24																	

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 57mCast # down: 0011Cast # up: 0011

Time	LOC	UTC
Begin:		<u>0235</u>
Bottom:		
End:		

START POSITION (GPS)	
LAT:	<u>48 39.03</u>
LONG:	<u>125 02 49</u>

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

Niskin #1 did not fire again, may be the solenoid.
on #16 @ 1.343 ml added (96.6 % T) poured / lifted on when I pushed a key to restart there
was a system failure that shut down the program.

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LB04

UTC DATE y/m/d: 98 05 07
CAST NUMBER: 13

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													0x9
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13								
1	18	376		100	100.09	/		✓	✓											3.393
2	19	380		75	75.13	/		✓	✓											4.653
3	20	392		50	49.61	✓		✓	✓											4.582
4	21	412		30	30.03	/		✓	✓											6.109
5	22	418		20	20	✓		✓	✓											6.924
6	23	420		10	10	/		✓	✓											9.311
7	24	425		0	1.2	/		✓	✓											10.107
8																				
9																				
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ENTERED BY: SL
CHECKED BY:

Bottom Depth: 110

Cast # down: 0013
Cast # up: 0013

Time	LOC	UTC
Begin:		0407
Bottom:		0415
End:		0418

START POSITION (GPS)
LAT: 48 35 86
LONG: 125 08 49

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 35 760
LONG: 125 08 430

Comments:

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LB 6

UTC DATE y/m/d: 980507
CAST NUMBER: 15

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	25	443		100	100.6	/		/	/											2.817
2	26	463		75	75.6	/		/	/											4.774
3	27	467		50	49.9	/		/	/											4.918
4	28	486		30	30.1			/	/											5.476
5	29	509		20	20.33			/	/											7.005
6	30	527		10	10.3			/	/									1097+	0.381	
7	31	534		0	1.5			/	/									.363	10.448	
8																		1.460		
9																				
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ENTERED BY:
CHECKED BY:

Bottom Depth: 118

Cast # down: 15

Cast # up: 15

Time	LOC	UTC
Begin:		05:58
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 31 91
LONG: 125 15 84

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 31 85
LONG: 125 15 56

Comments: For 30: communication buffer overflow in line 0 of module AUTOXY @ address 0620:55A2

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LB08

UTC DATE y/m/d: 7/5/98
CAST NUMBER: 17

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												OXY
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
1	32	535		Bottom-5		✓	✓	✓											0.427
2	33			100		✓	✓	✓											3.026
3	34			75		✓	✓	✓											4.210
4	35			50		✓	✓	✓					OK			check endpoint			4.979
5	36			30		✓	✓	✓											5.363
6	37			20		✓	✓	✓											5.950
7	38			10		✓	✓	✓											8.242
8	39	632		0		✓	✓	✓								1.248 +	0.248 End 0.261 stop		
9																.244			
10																1.490			
11																			
12																			
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ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 140m

Cast # down: 0017
Cast # up: 0017

Time	LOC	UTC
Begin:		08:08
Bottom:		08:13
End:		

START POSITION (GPS)
LAT: 48° 25.21
LONG: 125° 28.80

BOTTOM POSITION (GPS)
LAT: 48° 25.19
LONG: 125° 28.88

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9809

UTC DATE y/m/d:

7/5/98

SHIP:

TULLY

STATION NAME:

L809

CAST NUMBER:

0018

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											0x7
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	40			bot-5		✓	✓	✓										2.217
2	41			125		✓	✓	✓										2.350
3	42			100		✓	✓	✓										3.385
4	43			75		✓	✓	✓										6.245
5	44			50		✓	✓	✓										6.541
6	45			30		✓	✓	✓										6.718
7	46			20		✓	✓	✓										6.686
8	47			10		✓	✓	✓										7.254
9	48			0		✓	✓	✓										7.439
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Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

151m

Cast # down:

0018

Cast # up:

0018

Time

LOC

UTC

Begin:

09:17

Bottom:

09:21

End:

09:35

START POSITION (GPS)

LAT:

48 21.96

LONG:

125 35.02

BOTTOM POSITION (GPS)

LAT:

48 21.96

LONG:

125 35.08

END POSITION (GPS)

LAT:

48 21.92

LONG:

125 35.32

ROSETTE LOG

MISSION ID: 9809
STATION NAME: L301

UTC DATE y/m/d: 98/05/08
CAST NUMBER: 19/20

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	49			30	31		✓	✓										5.470
2	50			20	20.83		✓	✓										6.379
3	51			10	9.8		✓	✓										7.205
4	52			0	0		✓	✓										7.032
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ENTERED BY: JL
CHECKED BY:

Bottom Depth: 36

Cast # down: 19
Cast # up: 20

Time LOC UTC
Begin: 0426
Bottom:
End: 0432

START POSITION (GPS)
LAT: 49 00 05
LONG: 125 43 44

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LD02

UTC DATE y/m/d: 98/05/8
CAST NUMBER: 21

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	53			30	30.23	✓														5.589
2	54			20	20.5	✓														6.585
3	55			10	10.2	✓														7.063
4	56			0	1.8	✓														6.907
5																				
6																				
7																				
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24																				

ENTERED BY: AM
CHECKED BY:

Bottom Depth: 44

Cast # down: 21
Cast # up:

Time	LOC	UTC
Begin:		0520
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 58 56
LONG: 125 46 82

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: BONGO Station

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LD04

UTC DATE y/m/d: 98 05 08
CAST NUMBER: 23

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		C13						
1	57			55		✓	/	/									5.079	
2	58			30		✓	/	/									5.949	
3	59			20		✓	/	/									6.615	
4	60			10		✓	/	/									6.940	
5	61			0		✓	/	/									6.949	
6																		
7																		
8																		
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23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 64

Cast # down: 023

Cast # up: 023

Time	LOC	UTC
Begin:		08:04
Bottom:		08:06
End:		08:13

START POSITION (GPS)		
LAT:	48	53.25
LONG:	125	57.10

BOTTOM POSITION (GPS)		
LAT:	48	53.28
LONG:	125	57.13

END POSITION (GPS)		
LAT:	48	53.35
LONG:	125	57.20

Comments:

ROSETTE LOG

MISSION ID: 9806
STATION NAME: LDO6

UTC DATE y/m/d: 8/5/98
CAST NUMBER: 026

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	62			but-10		✓														2.192
2	63			100		✓														4.021
3	64			75		✓														5.907
4	65			50		✓														6.278
5	66			30		✓												check endpoint		6.440
6	67			20		✓														6.832
7	68			10		✓														6.658
8	69			0		✓												check endpoint		6.595
9																				
10																				
11																				
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ENTERED BY: UJS
CHECKED BY:

Bottom Depth: 137m

Cast # down: 026
Cast # up: 026

Time	LOC	UTC
Begin:		11:07
Bottom:		11:11
End:		11:21

START POSITION (GPS)
LAT: 48 46.34
LONG: 126 10.24

BOTTOM POSITION (GPS)
LAT: 48 46.36
LONG: 126 10.28

END POSITION (GPS)
LAT: 48 46.39
LONG: 126 10.41

Comments:

ROSETTE LOG

MISSION ID:

9809

UTC DATE y/m/d:

98 05 10

STATION NAME:

LB 16

CAST NUMBER:

30

SHIP:

TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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ENTERED BY:

S Lane

CHECKED BY:

Bottom Depth:

1866

Cast # down:

30

Cast # up:

30

Time

LOC

UTC

Begin:

0536

Bottom:

End:

START POSITION (GPS)

LAT: 48 00 320

LONG: 126 16 90

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

Many bottles did not fire, see "X" in Sample # column for misfires.
Tried to remove bubble but graph did not see rise in %T

ROSETTE LOG

MISSION ID: 7809
STATION NAME: LB15UTC DATE y/m/d: 10/5/98
CAST NUMBER: 31SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	91			1550		✓	✓											
2	92			1200		✓												
3	93			1000		✓												
4	94			800		✓												
5	95			600		✓												
6	96			500		✓												
7	97			400		✓												
8	98			300		✓												
9	99			250		✓												
10	100			200		✓	✓											
11																		
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24																		

Comments:

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 1575Cast # down: 31Cast # up: 31

Time	LOC	UTC
Begin:		<u>0934</u>
Bottom:		<u>1005</u>
End:		<u>1041</u>

START POSITION (GPS)		
LAT:	<u>48</u>	<u>4.46</u>
LONG:	<u>126</u>	<u>8.64</u>

BOTTOM POSITION (GPS)		
LAT:	<u>48</u>	<u>4.83</u>
LONG:	<u>126</u>	<u>8.72</u>

END POSITION (GPS)		
LAT:	<u>48</u>	<u>5.22</u>
LONG:	<u>126</u>	<u>8.88</u>

ROSETTE LOG

MISSION ID: 9809
STATION NAME: 41

UTC DATE y/m/d: 10/5/98
CAST NUMBER: 32

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												OxY
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
1	101			bot-2		✓	✓	✓											5.901
2	102			15		✓	✓	✓					1.146				check endpoint		6.417
3	103			12		✓		✓											6.483
4	104			10		✓		✓											6.414
5	105			8		✓		✓											6.708
6	106			6		✓		✓									problem sample		6.946
7	107			4		✓		✓											6.805
8	108			2		✓		✓											6.787
9	109			0		✓		✓					1.225				check endpoint		6.920
10																			
11																			
12																			
13																			
14																			
15																			
16																			
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19																			
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22																			
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ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 25m

Cast # down: 32

Cast # up: 32

Time	LOC	UTC
Begin:		00:59
Bottom:		01:00
End:		

START POSITION (GPS)
LAT: 48° 55.19
LONG: 125° 30.97

BOTTOM POSITION (GPS)
LAT: 48 55.18
LONG: 125 30.97

END POSITION (GPS)
LAT:
LONG:

Comments: *plowed stir bar in wrong time then had to allow it to resettle before and but insufficient liquid to properly seal. if CO2 is high.

ROSETTE LOG

MISSION ID: 9809
STATION NAME: 43UTC DATE y/m/d: 11/5/98
CAST NUMBER: 33SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										OXY	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	110			bot-3		✓	✓	✓										6.705
2	110			10		✓	✓	✓										6.681
3	112			8		✓	✓			1209			1.194	6.602	check end point			6.686
4	113			6		✓	✓	✓										6.676
5	114			4		✓	✓	✓										6.801
6	115			2		✓	✓	✓										6.844
7	116			0		✓	✓	✓										6.864
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 25mCast # down: 33

Cast # up:

Time	LOC	UTC
Begin:		0133
Bottom:		0135
End:		0141

START POSITION (GPS)	
LAT:	48 56.29
LONG:	125 32.03

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	48 56.24
LONG:	125 32.02

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LB11

UTC DATE y/m/d: 98/05/11
CAST NUMBER: 35

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		C13								
1	117			200	200		✓	✓												2.207
2	118			175	172		✓	✓												2.444
3	119			150	150		✓	✓												2.610
4	120			125	124.4		✓	✓												2.944
5	121			100	100.2		✓	✓												3.697
6	122			75	74.7		✓	✓												5.946
7	123			50	50.1		✓	✓												6.509
8	124			30	29.9		✓	✓												6.663
9	125			20	20.2		✓	✓												6.738
10	126			10	9.9		✓	✓												6.798
11	127			0	0		✓	✓												6.823
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 212

Cast # down: 35
Cast # up: 35

Time	LOC	UTC
Begin:		0723
Bottom:		
End:		

START POSITION (GPS)
LAT: 4815 21
LONG: 125 48.19

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9809

UTC DATE y/m/d:

11/5/98

SHIP:

TULLY

STATION NAME:

LB12

CAST NUMBER:

36

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	128			60710		✓	✓	✓												0.741
2	129			400		✓	✓	✓												0.966
3	130			350		✓	✓	✓												1.184
4	131			300		✓	✓	✓												1.611
5	132			250		✓	✓	✓												2.006
6	133			200		✓	✓	✓												2.443
7	134			175		✓	✓	✓												2.476
8	135			150		✓	✓	✓												2.741
9	136			125		✓	✓	✓												3.327
10	137			100		✓	✓	✓												4.638
11	138			75		✓	✓	✓												6.143
12	139			50		✓	✓	✓												6.464
13	140			30		✓	✓	✓												6.752
14	141			20		✓	✓	✓												6.803
15	142			10		✓	✓	✓												6.573
16	143			0		✓	✓	✓												6.568
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

506m

Cast # down:

36

Cast # up:

36

Time

LOC

UTC

Begin:

08:21

Bottom:

08:29

End:

START POSITION (GPS)

LAT:

48° 12.98

LONG:

125° 52.23

BOTTOM POSITION (GPS)

LAT:

48° 12.98

LONG:

125° 52.37

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9809
STATION NAME: LB14UTC DATE y/m/d: 11/5/98
CAST NUMBER: 38SHIP: TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												OXY
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
			OXY		CHL		C13							
1	144			6-10	✓	✓	✓							0.436
2	145			1000	✓									0.331
3	146			800	✓								check EP	0.282
4	147			600	✓									0.372
5	148			500	✓								check EP	0.582
6	149			400	✓									0.844
7	150			300	✓								check EP	1.558
8	151			250	✓									1.930
9	152			200	✓									2.295
10	153			175	✓									2.618
11	154			150	✓									3.045
12	155			125	✓									3.800
13	156			100	✓									5.592
14	157			75	✓									6.049
15	158			50	✓									6.499
16	159			30	✓									6.324
17	160			20	✓									6.611
18	161			10	✓									6.507
19	162			0	✓									6.441
20														
21														
22														
23														
24														

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 1197Cast # down: 38Cast # up: 38

Time	LOC	UTC
Begin:		10:32
Bottom:		10:50
End:		11:30

START POSITION (GPS)		
LAT:	48	8.32
LONG:	126	0.13

BOTTOM POSITION (GPS)		
LAT:	48	8.08
LONG:	126	0.21

END POSITION (GPS)		
LAT:	48	7.71
LONG:	126	1.03

Comments: