

UTC DATE: 27/3/92
HYDRO No.: 1A

ENTERED BY:
CHECKED BY:

Bottom Depth: / 305
Cast No:
Wire Angle: 2

	LOC	UTC
START:		
DOWN:	0925	
MESS:	0931	1731
IN:		

START POSITION
GPS LAT:
GPS LONG:

MESS. POSITION
LAT:
LONG:

SURF. POSITION
GPS LAT:
GPS LONG:

COMMENTS			
175	an	vent	open
20	1	11	60
30	11	11	11
250	m	remove	12
300			1206

92-06
MP04

27/3/92

1 B

VESSEL:

ENTERED BY:
CHECKED BY:

Bottom Depth:
Cast No:
Wire Angle:

LOC	UTC
START:	
DOWN:	
MESS:	
IN:	

START POSITION
GPS LAT:
GPS LONG:

MESS. POSITION
LAT:
LONG:

SURF. POSITION
GPS LAT:
GPS LONG:

[illegible][illegible]

92-06
MP12

26

VESSEL: ENDEAVOUR

ENTERED BY:
CHECKED BY:

Bottom Depth:
Cast No:
Wire Angle:

LOC		UTC	
START:		23	11
DOWN:	550		
MESS:	1552	23	52
IN:	1612		

START POSITION
GPS LAT: 48 58.0
GPS LONG: 130 39.2

MESS. POSITION
LAT:
LONG:

SURF. POSITION
GPS LAT: 48 58.65
GPS LONG: 130 38.98

COMMENTS

Blank 1066 broken at
top

2007	air bubbles
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49170
13440.0

CRUISE NO: 92-06
STATION NO: MP16

UTC DATE: 29/3/92
HYDRO No.: 30

HYDRO No.: 39

VESSEL: *Endeavour*

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast No:

Wire Angle:

LOC	UTC
1	1
2	2
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90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

START:	1738
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DOWN: 1009

MESS: 1017	1817
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FIN: 10 23

IN 1046

START POSITION

GPS LAT: 4916.50

GPS LONG: 134 39.90

MESS. POSITION

LAT: 49 16.57

LONG: 134 39.54

SURF. POSITION

GPS LAT: 49 16.53

GPS LONG: 13439.29

COMMENTS

13440.0					LEFT THERMOMETER			MIDDLE THERMOMETER			RIGHT THERMOMETER		
NISK. No.	SAL. No.	OXY. No.	OXY. TEMP	WIRE OUT (m)	SERIAL	AUX	MAIN	SERIAL	AUX	MAIN	SERIAL	AUX	MAIN
2009/88	45	1003	8.2	1	5636	16.0	8.26	6536	16.0	8.25			
2010 8.6	46	1004	8.2	10	11979	16.5	8.27	13727	16.3	8.25			
						15.7	8.24		15.7	8.23			
	47	1005	8.6	20	5384	15.8	8.25	3137	16.2	8.24			
						14.8	8.20		14.8	8.27			
						15.0	8.20		15.2	8.27			
	48	1008	8.6	30	8886	15.5	8.20	3685	14.9	8.18			
						16.0	8.21		15.5	8.18			
2012 8.6	49	1009	8.2	50	6067	13.8	8.15	7746	13.5	8.15	12149	12.8	8.60
						14.1	8.14		13.7	8.16		13.0	8.60
2013 8.4	50	1010	8.2	75	12023	13.7	8.17	7642	13.7	8.15	13791	12.6	8.81
						14.0	8.17		13.9	8.16		12.8	8.82
2014 8.2	51	1011	8.0	100	11981	13.8	7.97	6414	13.5	7.94	10148	12.7	8.90
						14.0	7.97		13.7	7.94		12.7	8.90
	52	1014	7.8	125	12029	13.9	7.05	6521	13.7	7.05	10149	12.8	8.20
						14.2	7.05		13.8	7.05		13.0	8.20
2015 6.8	53	1016	6.6	150	6249	13.7	6.23	7633	13.5	6.24	10156	12.5	7.60
						14.1	6.24		13.8	6.25		12.7	7.58
	54	1017	6.8	175	13900	13.2	5.92	6520	13.2	5.92	10158	12.4	7.52
						13.4	5.93		13.3	5.92		12.6	7.53
2017 6.4	55	1018	6.2	200	6546	13.8	5.74	6076	13.5	5.78	6556	12.6	7.55
						14.2	5.75		13.7	5.79		12.8	7.57
	56	1020	6.2	250	12078	13.0	5.26	13897	13.0	5.24	10787		
						13.2	5.26		13.2	5.24			
2018 5.6	57	1022	5.42	300	13038	14.7	5.02	10265	14.5	4.99	10277		
						15.0	5.03		14.7	5.00			
2019 5.2	58	1025	4.8	400	12074	14.3	4.39	10261	14.1	4.38	10651		
						14.5	4.39		14.3	4.38			
2020 5.4	59	1026	4.8	500	6543	14.0	4.30	12075	13.9	4.28	10147	13.4	8.90
						14.2	4.30		14.2	4.28		13.6	8.91
2021 5.0	60	1027	4.6	600	6072	13.9	4.18	13054	14.1	4.12	6564	13.5	9.85
						14.2	4.17		14.3	4.12		13.8	9.86
2022 4.6	61	1028	4.0	800	6545	14.2	3.70	10266	14.1	3.65	10150	13.5	10.94
						14.5	3.70		14.2	3.65		13.8	10.95
						.	.		.	.		.	.
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92-06
MP16

29/3/92

35

CHECKED BY:

	Temp
1036	40
1038	38
1039	34
1040	24
1042	20

COMMENTS

[illegible]

UTC DATE: 92/3/30
HYDRO No.: 4A

VESSEL: ENDEAVOUR

CHECKED BY:

Wire Angle:

LOC	UTC
START:	1550
DOWN:	1636
MESS:	1645
IN:	

START POSITION
GPS LAT:
GPS LONG:

MESS. POSITION
LAT: 49 33.68
LONG: 138 39.12

SURF. POSITION
GPS LAT:
GPS LONG:

COMMENTS

NISK. No.	SAL. No.	OXY. No.	OXY. TEMP	WIRE OUT (m)	LEFT THERMOMETER			MIDDLE THERMOMETER			RIGHT THERMOMETER		
					SERIAL	AUX	MAIN	SERIAL	AUX	MAIN	SERIAL	AUX	MAIN
7683	69	2023	7.4	6	5636	17.4	7.59	6536	17.2	7.58			
						18.0	7.60		17.8	7.59			
8601	70	2025	7.4	10	11999	17.9	7.58	13727	17.0	7.56			
						17.5	7.59		17.7	7.57			
648	71	2027	7.4	20	5384	16.7	7.55	3137	16.8	7.62			
						17.1	7.57		17.3	7.63			
1716	72	2028	7.4	30	8886	17.0	7.52	3685	16.4	7.50			
						17.4	7.52		16.9	7.52			
7689	73	2032	7.4	50	6067	14.0	7.43	7746	13.8	7.42	12149	12.7	7.87
						14.3	7.44		14.0	7.42		13.2	7.87
7690	74	2033	7.4	75	12023	13.7	7.43	7642	13.5	7.44	13791	12.5	8.10
						14.1	7.44		13.8	7.44		12.9	8.10
7694	75	2034	7.2	100	11981	13.5	7.11	6414	13.3	7.09	10148	12.6	8.01
						14.0	7.13		13.6	7.10		12.07	8.05
386	76	2035	5.8	125	12029	14.0	5.98	6521	13.7	5.99	10149	12.8	7.10
						14.4	5.99		14.2	5.99		13.3	7.12
7685	77	2036	5.4	150	6249	13.8	5.50	7633	13.6	5.52	10156	12.6	6.85
						14.3	5.52		14.1	5.53		13.0	6.86
773	78	2038	5.2	175	13900	13.4	5.10	6520	13.4	5.07	10158	12.7	6.68
						13.8	5.11		13.9	5.08		13.1	6.19
7695	79	2039	4.6	200	6546	13.7	4.67	6076	13.2	4.70	6556	12.5	6.50
						14.2	4.68		13.6	4.71		12.9	6.50
392	80	2040	4.6	250	12073	12.8	4.44	13897	12.9	4.42	10787	12.2	
						13.2	4.45		13.3	4.43			
8573	81	2041	4.2	300	13038	16.5	4.25	10265	16.4	4.23	10277	16.3	
						17.0	4.26		16.8	4.24			
8581	82	2042	4.0	400	12074	16.4	4.17	10261	16.3	4.18			
						16.7	4.18		16.6	4.17			
8575	83	2043	4.0	500	6543	16.3	4.12	12075	16.3	4.08	10147	16.1	8.75
						16.7	4.12		16.6	4.09		16.4	8.77
7692	84	2044	3.6	600	6072	16.1	4.05	13054	16.4	3.97	6564	16.3	9.80
						16.5	4.05		16.7	3.97		16.5	9.81
7691	85	2045	3.4	800	6545	16.5	3.61	10266	16.5	3.56	10150	16.4	10.91
						17.0	3.62		16.8	3.56		16.6	10.91
						.	.		.	.		.	.
						.	.		.	.		.	.
						.	.		.	.		.	.
						.	.		.	.		.	.

9206
MP20

$$\therefore \frac{92}{43} / 3 / 30$$

VESSEL: ENDEAVOUR

[illegible]

ENTERED BY:

CHECKED BY:

Bottom Depth: 3900

Cast No: 2

Wire Angle: 10-25°

LOC	UTC
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START:	1910
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DOWN:	
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MESS: 1120	1920
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IN: 1150	1950
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START POSITION

GPS LAT:

GPS LONG:

[illegible]

LAT:

LONG:

SURF. POSITION	
1	2
3	4
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9	10
11	12
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67	68
69	70
71	72
73	74
75	76
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79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

GPS LAT: 4934.3

GPS LONG: 138 39.4

COMMENTS

VESSEL: ENDEAVOUR

[illegible]

ENTERED BY:
CHECKED BY:

Bottom Depth:
Cast No:
Wire Angle:

LOC	UTC
START:	
DOWN: 1821	0221
MESS: 1831	0231
IN: 1835	

START POSITION
GPS LAT:
GPS LONG:

MESS. POSITION
LAT:
LONG:

SURF. POSITION
GPS LAT:
GPS LONG:

[illegible]

VESSEL: ENDEAVOR

[illegible]

ENTERED BY:
CHECKED BY:

Bottom Depth:
Cast No:
Wire Angle:

LOC	UTC
START:	
DOWN: 2211	0611
MESS: 2220	0620
IN: UP 2230	0630

START POSITION
GPS LAT:
GPS LONG:

MESS. POSITION
LAT:
LONG:

SURF. POSITION
GPS LAT:
GPS LONG:

COMMENTS

1088 flask
broken.

VESSEL: ENDEAVOUR

[illegible]

ENTERED BY:
CHECKED BY:

Bottom Depth:	4200
Cast No:	3
Wire Angle:	00 L

LOC	UTC
START:	
DOWN: 0135	0935
MESS: 0145	0945
HT: 0212	1012

START POSITION
GPS LAT:
GPS LONG:

MESS. POSITION
LAT:
LONG:

SURF. POSITION
GPS LAT:
GPS LONG:

COMMENTS	
OS =	OVER SCALE
BS =	BELOW SCALE
EC =	EMPTY COL.

2007 Parkington
Nevada

US - under scale
empty col.

VESSEL: ENDEAVOUR

[illegible]

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast No: 6A

Wire Angle: ☐

LOC	UTC
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START:	
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DOWN:	0949
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MESS:	0950
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149	1216
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LINE	1115
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START POSITION

GPS LAT:

GPS LONG:

[illegible]

LAT: _____

LONG:

SURF. POSITION	
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75	76
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79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

GPS LAT:

GPS LONG:

COMMENTS

CTD # 40

plantation

head to

290 44

10148 - ink at 16°

CRUISE NO:
STATION NO:92-6
MP26UTC DATE:
HYDRO No.:92/4/7
7A

VESSEL: ENDEAVOUR

NISK. No.	SAL. No.	OXY. No.	OXY. TEMP	WIRE OUT (m)	LEFT THERMOMETER			MIDDLE THERMOMETER			RIGHT THERMOMETER		
					SERIAL	AUX	MAIN	SERIAL	AUX	MAIN	SERIAL	AUX	MAIN
7683	146	1045	6.2	1	5636	14.0	6.40	6536	13.9	6.39			
		46	6.2			14.6	6.40		14.4	6.39			
8601	147	47	6.2	10	11999	12.9	6.37	13727	13.4	6.35			
		48	6.2			13.8	6.38		14.2	6.37			
648	148	49	6.2	20	5384	12.6	6.17	3137	12.6	6.23			
						13.2	6.18		13.3	6.25			
1716	149	50	6.2	30	8886	13.3	6.11	3685	12.5	6.10			
						14.0	6.12		13.1	6.10			
7684	150	51	6.0	50	6067	12.8	6.05	7746	12.5	6.05	12149	11.7	6.52
		52	6.0			13.7	6.07		13.4	6.07		12.6	6.55
7690	151	54	5.8	75	12023	12.6	5.84	7642	12.5	5.83	13791	11.6	6.50
		56	5.8			13.4	5.85		13.3	5.85		12.5	6.52
7694	152	57	5.4	100	11981	12.8	5.41	6414	12.5	5.39	10148	11.7	6.34
		58	5.4			13.4	5.43		13.2	5.40		12.5	6.35
386	153	60	5.4	125	12029	12.9	5.10	6521	12.7	5.10	10149	11.8	6.25
						13.4	5.12		13.3	5.10		12.5	6.26
7685	154	61	5.2	150	6249	12.8	5.16	7633	12.6	5.16	10156	11.5	6.50
		62	5.2			13.2	5.17		13.2	5.17		12.2	6.52
773	155	63	5.4	175	13900	12.2	5.12	6520	12.3	5.10	10158	11.7	6.70
						12.6	5.13		12.8	5.11		12.4	6.71
7695	156	64	5.0	200	6546	12.9	4.93	6076	12.5	4.97	6556	11.8	6.73
		65	5.0			13.6	4.94		13.3	4.98		12.7	6.75
392	157	67	5.0	250	12078	12.0	4.66	13897	12.2	4.65	10787		
						12.7	4.67		12.8	4.66		EC	
8573	158	68	4.6	300	12038	12.8		10265	12.4	4.45	10277	EC	
		69	4.6				EC		13.3	4.47			
8581	159	72	4.2	400	12074	12.4	4.25	10261	12.3	4.24	10651	EC	
		79	4.4			13.2	4.26		13.1	4.25			
8575	160	80	4.2	500	6543	12.0	4.03	12075	11.8	4.00	10147	11.2	8.65
		82	4.2			12.9	4.04		12.7	4.02		12.1	8.65
7692	161	83	4.0	600	6072	11.9	3.88	13054	12.1	3.80	6564	11.2	9.52
		84	4.0			12.7	3.90		12.8	3.82		11.9	9.55
7691	162	86	3.6	800	6545	12.2	3.40	10266	11.8	FC	10150	11.1	10.65
		1087	3.8			12.9	3.41					11.9	10.66

ENTERED BY:

CHECKED BY:

Bottom Depth: 4250

Cast No: 7

Wire Angle: 5°

LOC	UTC
START: 18/1	0210
DOWN: 1848	0247
MESS:	0257
IN: UP	0306
IN	0326

START POSITION

GPS LAT:

GPS LONG:

MESS. POSITION

LAT:

LONG:

SURF. POSITION

GPS LAT:

GPS LONG:

COMMENTS

Logbook has
merged before each
use.

10148 re-link 100m

VESSEL: ENDEAVOUR

[illegible]

ENTERED BY:
CHECKED BY:

Bottom Depth:
Cast No:
Wire Angle:

LOC	UTC
START:	
DOWN:	0701
MESS:	0706
IN:	0825

START POSITION
GPS LAT:
GPS LONG:

MESS. POSITION
LAT:
LONG:

SURF. POSITION
GPS LAT:
GPS LONG:

[illegible]

5111.
138 06

CRUISE NO:
STATION NO:

92-02 (COCC)
MR-13

UTC DATE:
HYDRO No.:

92/04/09
BA

VESSEL: *ENDERBURY*

ENTERED BY:

CHECKED BY:

Bottom Depth: 3700

Cast No: 0-800

Wire Angle: $2^{\circ}-15^{\circ}-10^{\circ}$

LOC	UTC
1	1
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91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

START:

DOWN: 0220

MESS: 0227	1027
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IN: 0232

UP 0252

START POSITION

GPS LAT:

GPS LONG:

MESS. POSITION

LAT:

LONG:

SURF. POSITION

GPS LAT:

GPS LONG:

COMMENTS

Wind 15 K - NE
gusts to 20 K.
10cm O₂ sample
#1004 no good!
#1043 in duplicate
sample.

VESSEL: ENDEAVOUR

ENTERED BY: R. P.

CHECKED BY:

Bottom Depth: 3700

Cast No: 1000 - 3600

Wire Angle: 10 10 10 10 1

LOC	UTC
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START: 0436 | 1236

DOWN:0547	1342
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MESS: 0547 1347

INSP: 06/0	1410
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START POSITION

GPS LAT:

GPS LONG:

MESS. POSITION

LAT:

LONG:

SURF. POSITION

GPS LAT:

GPS LONG:

COMMENTS

[illegible]

VESSEL: *END EAVOUR*

5143.5
13150.0

WIRE
OUT
(m)

LEFT
THERMOMETER
SERIAL AUX MAIN

MIDDLE
THERMOMETER
SERIAL AUX MAIN

RIGHT
THERMOMETER
SERIAL AUX MAIN

ENTERED BY:

CHECKED BY:

Bottom Depth: 2447

Cast No: 0-800

Wire Angle: 5°

LOC	UTC
START:	0124
DOWN:	0153
MESS:	0203
IN	0208
IN	0230

START POSITION

GPS LAT:

GPS LONG:

MESS. POSITION

LAT:

LONG:

SURF. POSITION	
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GPS LAT:

GPS LONG:

COMMENTS

NISK. No.	SAL. No.	OXY. No.	OXY. TEMP	WIRE OUT (m)	LEFT THERMOMETER			MIDDLE THERMOMETER			RIGHT THERMOMETER		
					SERIAL	AUX	MAIN	SERIAL	AUX	MAIN	SERIAL	AUX	MAIN
	198	1003	8.8	1	5636	16.8	8.88	4536	16.7	8.86		.	.
						17.4	8.89		17.2	8.87		.	.
	199	1004	8.6	10	11999	16.3	8.75	13727	16.5	8.73		.	.
						16.8	8.75		16.9	8.74		.	.
	200	1005	8.4	20	5384	15.6	8.50	3137	15.8	8.57		.	.
						16.0	8.50		16.3	8.58		.	.
	201	1008	8.2	30	8886	16.1	8.33	3685	15.3	8.30		.	.
						16.6	8.34		15.7	8.30		.	.
	202	1009	8.2	50	6067	11.9	8.13	7746	11.7	8.12	12149	10.7	8.56
						12.2	8.13		12.2	8.13		10.9	8.57
	203	1010	7.8	75	12023	11.6	7.93	7642	11.4	7.94	13791	10.5	8.59
						11.9	7.93		11.8	7.94		10.8	8.59
	204	1011	7.2	100	11981	11.5	7.35	6414	11.3	7.33	10146	10.6	8.23
						11.9	7.36		11.7	7.33		10.8	8.25
	205	1014	7.0	125	12029	11.6	6.92	6521	11.5	6.93	10149	10.7	8.08
						11.9	6.93		11.9	6.93		10.9	8.07
	206	1016	6.6	150	6249	11.4	6.43	7633	11.1	6.45	10156	10.3	7.77
						11.8	6.44		11.5	6.45		10.6	7.79
	207	1017	6.2	175	13900	15.4	6.16	6520	15.7	6.12	6054	15.6	7.70
						15.8	6.16		16.0	6.13		16.0	7.72
	208	1018	6.2	200	6546	16.4	5.94	6076	16.3	6.00	6556	15.8	7.78
						16.8	5.95		16.7	6.00		16.3	7.80
	209	1020	5.8	250	12078	15.4	5.69	13847	15.5	5.68	10787	.	.
						15.8	5.70		15.9	5.68		.	.
	210	1022	5.6	300	10262	15.7	5.47	10265	15.6	5.48	10277	.	.
						16.1	5.48		16.0	5.49		.	.
	211	1025	5.2	400	12074	15.5	5.08	10261	15.5	5.08	10651	15.1	.
						15.8	5.09		15.8	5.09		15.5	.
	212	1026	4.8	500	6543	15.4	4.75	12075	15.3	.	10147	14.9	9.40
						15.8	4.77		15.8	.		15.3	9.42
	213	1027	4.6	600	6072	15.2	4.55	13054	15.5	4.47	6564	15.0	10.25
						15.6	4.55		15.8	4.48		15.5	10.26
	214	1028	4.4	800	6545	15.5	3.99	10266	15.3	.	10150	14.8	11.30
						15.8	4.00		15.7	.		15.2	11.30
						.	.		.	.		.	.
						.	.		.	.		.	.
						.	.		.	.		.	.
						.	.		.	.		.	.

[illegible]