Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	Bascunan	033	033

Auxiliary Sensors X CDOM (WET-Star) X DO (SBE43) X Altimeter (Benthos) ____ Other

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	8	14	23:00	2844.7	08827.8	1442
	MAX	8	14				1391.6
	END	8	14				1450

Start Nav: [X] **End Nav:** [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1380	1	1392			X	x2	X
1100	2	1101				x2	X
900	3	900				x2	
700	4	700				x2	X
600	5	600				x2	X
500	6	500			X	x2	
400	7	400				x2	
300	8	300				x2	X
200	9	201 didn't fire				x2	
100	10	101				x2	X
90 (89)	11	29				x2	
SFC	12	5			X	x2	

Station Comments:

Goflo e 31.7

Forgot to click Add to nav file at end.

modem error msg.

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	Bascunan	034	034

Auxiliary Sensors: X CDOM (WET-Star) X DO (SBE43) X Altimeter (Benthos) ____ Other

	Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
START	08	15	2:09			1361
MAX	08	15	2:53	2840.4	8826.5	
END	08	15	04:05	2840.4	8826.4	1350

Start Nav: [ ] End Nav: [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	~~GC~~ Nutrients
1280	1	1292			X	x2	X
1100	2	1099.9				x2	
900	3	900			X	x2	X
700	4	700				x2	X
600	~~1~~/ 5	~~600~~	same depth as KEEP 6		X	x2	
500	2/ 6	500	didn't close			x2	
400	3/ 7	401	didn't close		X	x2	X
300	4/ 8	300				x2	
200	5/ 9	200			X	x2	X
100	6/10	100				x2	
60 flo 30	7/ 11	30				x2	X
SFC	8/12	4.0				x2	

Station Comments:

32.4 go-flo

no bottle 5

winch stop @ 318

#10 misfire/reset

12 misfire/reset

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	035	035

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

	Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
START	04	15	0513	2844.3	8824.7	1503
MAX	04	15	0545	2844.2	8824.6	1514
END	04	15	0648	2844.0		

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	GC Nutrients
1413 1	1417				x2	
1200 2	1199				x2	x
1100 3	1099			x2	x2	
1000 4	1000				x2	x
800 5	799			x	x2	
600 6	600	didn't close		no	samples	
400 7	400			x	x2	
300 8	300				x2	x
200 9	201				x2	x
100 10	100				x2	x
33 11	33				x2	
5fc 12		Two bottles		fired	no	sample

Station Comments:

Go flo @ 35 CTD depth

New carousel cable

11 didn't increment
fired 11 w/ box

11 actually fired
so box fired 12

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. guida	EAB	036	036

Auxiliary Sensors ___X___ CDOM (WET-Star) ___X___ DO (SBE43) ___X___ Altimeter (Benthos) _____ Other

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	15	0750	2842.1	8824.0	1586
	MAX	08	15	0822	2842.1	8823.8	1590
	END	08	15	0927	2842.2	8823.2	1604

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	GC ~~Nutrients~~
1490 1	1492				x2	
1300 2	1299				x2	X
1130 3	1125				x2	X
1000 4	1000				x2	
800 5	800				x2	
600 6	600				x2	
450 7	449				x2	X
300 8	300				x2	X
→ 150 9	178				x2	
100 10	100				x2	
32 11	32				x2	X
5k 12	3				x2	X

Station Comments:

took knots out of lanyard on #6 to lengthen it.

Go flo @ 34 CTD depth

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	037	037

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	15	1020	2842.6	88 19.7	1492
	MAX	08	15	1051	2842.6	8819.5	1499
	END	08	15	1154	2842.4	8819.5	1492

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ VOA/HC	GC	Nutrients
1400 1	1404				x2		X
1250 2	1250				x2		
1130 3	1123				x2		X
1000 4	999				x2		
800 5	799				x2		X
600 6	599				x2		
450 7	449				x2		
300 8	300				x2		X
200 9	200				x2		
~75 10	79				x2		X
32 11	32				x2		
sfc 12	3				x2		X

Station Comments:

Go flo @ 34 CTD depth

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	038	038

Auxiliary Sensors	X CDOM (WET-Star)	X DO (SBE43)	X Altimeter (Benthos)	____ Other

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	05	15	1312	2844.4	8819.4	1549
	MAX	05	15	1343	2844.2	8819.3	1547
	END	05	15	1447	2843.9	8819.1	1493

Start Nav: [ ] End Nav: [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ DOM/TDC	GC ~~Nutrients~~
1450 1	1457				x2	
1200 2	1200				x2	X
1000 3	999				x2	
800 4	801				x2	X
650 5	651				x2	
500 6	500				x2	
400 7	400				x2	
300 8	300				x2	X
200 9	199				x2	X
100 10	100				x2	X
36 11	36				x2	X
8 12	3				x2	

Station Comments:

Go Flo @ 38 CTD depth

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	039	039

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	15	1544	2844.3	8816.1	1371
	MAX	08	15	1613	2844.0	8816.2	1383
	END	08	15	17:17	2843.2	8815.6	1627

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~	~~Nutrients~~ GC
1280 1	1291				x	
1100 2	1095				x	x
1000 3	992				x	
800 4	800				x	x
600 5	605				x	
400 6	400				x	x
300 7	300				x	
200 8	200				x	
120 9	122				x	x
75 10	75				x	x
36 11	37				x	
5 12	4				x	x

Station Comments:
Go flo @ 38m CTD depth

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ Guider	Bascunian	040	040

Auxiliary Sensors X **CDOM** (WET-Star) X **DO** (SBE43) X **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	8	15	20:05	2859.3	8749.7	1540
	MAX	8	15	20:37	[illegible]		1566
	END	8	15	21:51	2859.2	8749.9	1541

Start Nav: [ ] **End Nav:** [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1480	1	1513				X	
1200	2	1200				X	
1000	3	1004				X	
800	4	807				X	
600	5	600				X	
500	6	492				X	
400	7	404				X	
300	8	297				X	
200	9	200				X	
100	10	99				X	X
31	11	31				X	X
SC	12	4				X	X

GC

Station Comments:

go flo C33 = GC

bottle 11 - misfire - reset 2x

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ Guida	Basauñan	041	041

Auxiliary Sensors	X CDOM (WET-Star)	X DO (SBE43)	X Altimeter (Benthos)	____ Other

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	8	15	23:17			1540
	MAX						
	END	8	16	00:56	2901.8	8741.1	1586

Start Nav: [ ] End Nav: [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1460	1	1511				✓	✓
1300	2	1300				✓	
1100	3	1100				✓	✓
900	4	900				✓	
700	5	700				✓	
500	6	499				✓	✓
400	7	399				✓	
300	8	300				✓	✓
200	9	200				✓	✓
100	10	100				✓	✓
25	11	24				✓	
5c	12					✓	

Station Comments:
go-flo @ 27

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ Guida	Baslunan	42	42

Auxiliary Sensors ___X___ **CDOM** (WET-Star) ___X___ **DO** (SBE43) ___X___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	8	16	02:28	2853.2	8737.3	1986
	MAX	8	16	03:03			1995
	END	8	16	04:20	2853.1	8737.4	1989

Start Nav: [ ] **End Nav:** [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1800	1	1804				✓	X
1400	2	1400				✓	X
1100	3	1100				✓	
900	4	900				✓	
700	5	700				✓	
500	6	500				✓	
300	7	300				✓	X
200	8	200				✓	X
100	9	100					
100	10	100				✓	
30	11	31				✓	X
5	12	4				✓	X

Station Comments:

go floe 32 _ bottle 9 & 10 @ 100m

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	043	043

Auxiliary Sensors x **CDOM** (WET-Star) x **DO** (SBE43) x **Altimeter** (Benthos) ____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	16	0526	2855.0	8728.4	1767
	MAX	08	16	0601	2854.8	8728.3	1735
	END	08	16	0711	2854.9	8728.3	1731

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ VOA/THC	GC Nutrients
1640 1	1639				x2	
1300 2	1300				x2	
1100 3	1099				x2	
900 4	898				x2	
700 5	699				x2	
500 6	500				x2	
300 7	299				x2	
200 8	200				x2	x
100 9	99				x2	x
50 10	56				x2	x
32 11	32				x2	x
5 12	3				x2	x

Station Comments:
Go Flo @ 34 CTD depth

x

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	044	044

Auxiliary Sensors: x CDOM (WET-Star) x DO (SBE43) x Altimeter (Benthos) ____ Other

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	16	0828	2842.0	8727.2	1493
	MAX	08	16	0858	2842.0	8727.3	1500
	END	08	16	1002	2842.2	8727.3	1499

Start Nav: [ ] End Nav: [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	GC ~~Nutrients~~	
1400 1	1406				x2		0900
1200 2	1199				x2		0907
1000 3	1000				x2		0915
800 4	799				x2		0923
600 5	600				x2		0931
450 6	450				x2		0938
7	450	no samples taken					0938
150 8	148				x2	X	0950
100 9	100 ?				x2	X	0954
50 10	49				x2	X	0957
34 11	34				x2	X	1000
sfc 12	3				x2	X	

Station Comments:

Go fb @ 36 CTD depth

All btls fired w/ box X

GUI usually doesn't increment but bottle firing

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	045	045

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	08	16	1128	2842.7	8736.2	2378
	MAX	08	16	1205	2842.6	8736.5	2381
	END	08	16	1321	2842.1	8736.3	2387

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro~~ VOA/HHC #	GC ~~Nutrients~~
1800 1	1805				x2	X
1500 2	1499				x2	
1200 3	1199				x2	
1000 4	1006				x2	
800 5	800				x2	
600 6	600				x2	
400 7	399				x2	
300 8	296				x2	
~150 9	141				x2	X
~60 10	59				x2	X
31 11	31				x2	X
surf 12	3				x2	X

Station Comments:

Go to @ 33 CTD depth

~600m spike on up cast in salinity + O2 - real?

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ Guida	bascuñan	46	46

Auxiliary Sensors X **CDOM** (WET-Star) X **DO** (SBE43) X **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	8	16	21:09	2833.3	8835.3	1530
	MAX	8	16	21:38	2833.3	8835.5	1526
	END	8	16	22:51	2833.3	8835.2	1534

Start Nav: [ ] **End Nav:** [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1470	1	1474				x2	
1300	2	1300				x2	
1210	3	1219				x2	X
1175	4	1179			oxygen drop X	x2	X
1125	5	1153				x2	X
575	6	567				x2	
550	7	551			oxygen drop X	x2	X
300	8	300				x2	
200	9	200				x2	
100	10	89				x2	
30 go flo	11	30				x2	X
SFC	12	3				x2	X

Station Comments:

go-flo @ 30

500, 1210, 1175, 1125

Page____ of____

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ Guida	Bascuman	47	47

Auxiliary Sensors X **CDOM** (WET-Star) X **DO** (SBE43) X **Altimeter** (Benthos) ____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	8	17	00:12	2827.7	8842.1	1356
	MAX	8	17	00:40	2827.7	8842.1	1356
	END	8	17	01:45	2827.6	8842.3	1354

Start Nav: [ ] **End Nav:** [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ VOA	~~Nutrients~~ GC
1280	1	1286				x2	1
1100	2	1099				x2	2
900	3	900				x2	
700	4	700				x2	4
600	5	600			DO x2	x2	
500	6	484			DO	x2	6
400	7	484				x2	
300	8	? ~~400~~ 400 !			DO	x2	
200	9	~~300~~				x2	
100	10	~~200~~				x2	
50	11	20				x2	11
SFC	12	3				x2	12

Station Comments:

90-110 @ 32

118

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ Guida	Harlunen	048	048

Auxiliary Sensors	CDOM (WET-Star)	DO (SBE43)	Altimeter (Benthos)	Other
	X	X	X	____

[redacted]	Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
START	8	17	3:55	2332.4	8821.9	1853
MAX						
END	08	17	05			

Start Nav: [ ] End Nav: [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ JOA/THC	GC ~~Nutrients~~
1780	1	1786				x2	
1500	2	1500				x2	
1300	3	1300				x2	
1100	4	1100				x2	x
900	5	903				x2	x
700	6	699				x2	
500	7	499				x2	x
300	8	300				x2	x
200	9	199				x2	
100	10	100				x2	
31	11	30				x2	x
SFC	12	3				x2	x

Station Comments:
go-flo @ 33

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Gulda	EAB	049	049

Auxiliary Sensors _____ **CDOM** (WET-Star) _____ **DO** (SBE43) _____ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	08	17	0650	2836.5	8822.1	1809
	MAX	08	17	0726	2836.3	8822.1	1810
	END	08	17	0837	2836.1	8822.2	1814

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ VOA/THC	GC ~~Nutrients~~
1710 1	1704		No	SAMPLES	TAKEN	
1400 2	1704				x2	x
↓ 3	1398				x2	
1100 4	1100				x2	
800 5	800				x2	
500 6	500				x2	x
300 7	300				x2	
200 8	200				x2	
~ 120 9	119				x2	x
~ 80 10	73				x2	x
~ 30 11	31				x2	x
5 12	3				x2	x

Station Comments:

#1 + #2 · fired @ 1704m

No Go-flo

bottles fired w/ deck box

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	050	050

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	08	17	1511	2842.7	8821.1	1604
	MAX	08	17	1516	2842.7	8820.9	1594
	END	08	17	15	2842.	8820.	1575

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	GC ~~Nutrients~~
1	30					x2
2	17					x
3	6					x
4						
5						
6						
7						
8						
9						
10						
11						
12						

Station Comments:

30m MAX Only 3 bottles fired

GC samples ONLY

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Ha~~re V. Guida	bonewan	051	051

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	17	20:38	2840.4	8821.4	1670
	MAX	08					
	END	08					

Start Nav: [ ] **End Nav:** [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	GC ~~Nutrients~~
30	1	30					2x
15	2	16					2x
5	3	5					2x
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						

Station Comments:

30 meters

May not have hit start Archive @ beginning

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ Guide	Vasseur	052	052

Auxiliary Sensors X **CDOM** (WET-Star) X **DO** (SBE43) X **Altimeter** (Benthos) ____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	8	18	2:23	2841.4	8822.0	1638
	MAX	8	18				
	END	8	18	04:11	2841.4	8821.8	1640

Start Nav: [ ] **End Nav:** [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1580	1	1573				x2	
1300	2	1300				x2	
1100	3	1100				x2	
900	4	900				x2	x
700	5	700				x2	x
500	6	500				x2	
400	7	400				x2	x
300	8	300				x2	x
200	9	201				x2	
100	10	100				x2	
31	11	31				x2	x
SFC	12	4				x2	x

Station Comments:

gp-flow 33

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	53	53.

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	08	18	0507	2840.2	8822.0	1666
	MAX	08	18	0541	2840.0	8821.9	1670
	END	08	18	0649	2839.8	8822.0	1669

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ VOA/THC	GC ~~Nutrients~~
1570 1	1579				x2	
1300 2	1299				x2	X
1100 3	1099				x2	
900 4	899				x2	
700 5	699				x2	X
500 6	500			x2	x2	
400 7	400				x2	
300 8	299				x2	
~170 9	170			X	x2	
~50 10	53			X	x2	X
32 11	32				x2	X
58 12	2				x2	X

Station Comments:

Go Flo @ 34 CTD depth

X

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Gulda	EAB	054	054

Auxiliary Sensors X **CDOM** (WET-Star) X **DO** (SBE43) X **Altimeter** (Benthos) ____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	18	0802	2847.8	8823.0	1289
	MAX	08	18	0829	2847.8	8823.0	1317
	END	08	18	0928	2847.8	8823.0	1289

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ VOA/THC	GC ~~Nutrients~~
1215 1	1217				x2	
1100 2	1104				x2	X
950 3	948				x2	
750 4	750				x2	
600 5	600				x2	X
450 6	450				x2	
350 7	349				x2	
250 8	240				x2	X
150 9	142				x2	
50 10	49				x2	X
32 11	32				x2	X
surf 12	3				x2	X

Station Comments:

Go flo @ 34 CTD depth

Bottles fired w/ deck box

Scan length errors ~ 125m upcast

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	055	055

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___X___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	18	1017	2850.2	8821.8	1013
	MAX	08	18	1039	2850.2	8821.7	1015
	END	08	18	1129	2850.5	8821.4	996

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ THC	BC ~~Nutrients~~
915 1	919				2x	
800 2	799				2x	
700 3	699				2x	x
600 4	599				2x	
500 5	501				2x	x
400 6	400				2x	
300 7	300				2x	x
200 8	199	NO SAMPLES TAKEN				
9	199				2x	x
100 10	99				2x	
33 11	32				2x	x
sfc 12	3				2x	x

Station Comments:

Go flo @ 35 CTD depth

8+9 fired @ Same depth

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	056	056

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	18	1345	2842.6	8822.1	1607
	MAX	08	18	1418	2842.7	8822.0	1607
	END	08	18	1526	2842.9	8821.6	1605

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ VOA/THC	~~Nutrients~~ GC
1510 1	1511				x2	X
1300 2	1300				x2	
1100 3	1101				x2	
900 4	899				x2	
700 5	700				x2	
500 6	499				x2	X
400 7	403				x2	
300 8	300				x2	X
misfire → ~200 9	80				x2	X
~100 10	34				x2	
33 11	2				x2	X
surf 12	NO	SAMPLES		TAKEN	— open	

Station Comments:

Go flo @ 35 CTD depth X

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	Jon Hare / Guida	Hasenian	057	057

Auxiliary Sensors	CDOM (WET-Star)	DO (SBE43)	Altimeter (Benthos)	Other
	✓	✓	✓	____

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	8	18	21:13	2825.7	8835.3	1840
	MAX	8	18				
	END	8	18				

Start Nav: [ ] End Nav: [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1770	1	1781				x2	
1500	2	1500				x2	x
1240	3	1200				x2	X
900	4	888			x	x2	
700	5	702				x2	
415	6	412			x2	x2	x
400	7	397				x2	x
300	8	301			x	x2	x
200	9	200				x2	
100	10	100				x2	
gelo 20	11	29				x2	x
STC	12	3				x2	x

Station Comments:

gelo @ 32

O2 @ 400

DO @ 400

10 - Gui mistaw

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	Jon Hare Guida	bazelmier	58	58

Auxiliary Sensors	CDOM (WET-Star	DO (SBE43)	Altimeter (Benthos)	Other
	X	X	X	

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	8	19	0043	2755.7	8824.3	2315
	MAX	8	19	01:17	2755.6	8824.2	2316
	END	8	19	02:38	2755.7	8824.2	2321

Start Nav: [√] End Nav: [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1800	1	1804			X	x2	X
1500	2	1500				"	
1200	3	1200				"	
900	4	900				"	X
700	5	700				"	
500	6	501				"	
400	7	400			x	"	X
300	8	300				"	
300	9	~~300~~				~~"~~	
200	10	201				"	
50	11	50			x	"	X
sfc	12	3				"	X

Station Comments:

no go-flo = broken

8 & 9 fired at same time

10-

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	059	059

Auxiliary Sensors	X CDOM (WET-Star)	X DO (SBE43)	X Altimeter (Benthos)	____ Other

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	08	19	0446	2751.9	8848.0	1606
	MAX	08	19	0517	2751.5	8848.3	1586
	END	08	19	0625	2751.0	8848.9	1535

Start Nav: [ ] End Nav: [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ VOA/Fine	GC ~~Nutrients~~
1490 1	1493				x2	
1200 2	1200				x2	x
1000 3	999				x2	
800 4	802				x2	
600 5	601				x2	
450 6	451				x2	
350 7	349				x2	
250 8	243				x2	x
O2 dip 150 9	212				x2	x
100 10	98				x2	x
40 11	37				x2	x
sfc 12	2				x2	x

Station Comments:

No Go-flo

backtracked @ 197m up to get O_2 dip which was only on upcast

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	060	060

Auxiliary Sensors X **CDOM** (WET-Star) X **DO** (SBE43) X **Altimeter** (Benthos) ____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	19	1450	2747.6	8855.8	1494
	MAX	08	19	1519	2747.7	8855.9	1494
	END	08	19	1624	2747.8	8855.9	1491

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	~~Chloro #~~ TAC/NOA	GC ~~Nutrients~~
1390 1	1404				x2	
1250 2	1249				x2	
1150 3	1156				x2	X
O2 spike 1040 4	1060				x2	X
1000 5	1000				x2	X
800 6	799				x2	
600 7	599				x2	
400 8	399				x2	
250 9	250				x2	
150 10	148				x2	X
50 11	49				x2	X
sfc 12	2				x2	X

Station Comments: No Go-Flo

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	Jon Hare / guida	hazeuwin	61	61

Auxiliary Sensors ___√___ **CDOM** (WET-Star) ___√___ **DO** (SBE43) ___√___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	8	19	19:35	2729.5	8925.4	1932
	MAX	8	19	20:08	2729.2	8925.4	1940.3
	END	8	19	21:26	2728.3	8925.6	1961

Start Nav: [ ] **End Nav:** [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1800	1	1800				x2	x
1400	2	1399				x2	
1060	3	1060				x2	
do spike 1050	4	1070				x2	x
800	5	800				x2	
600	6	600				x2	
400	7	400				x2	x
300	8	299				x2	x
200	9	201				x2	
100	10	100				x2	
50	11	50				x2	x
SR	12	2				x2	x

Station Comments:

O2 dip @ 1050 on downcast

no go-flo.

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	Jon Hare / Guida	Bascuñán	062	062

Auxiliary Sensors	CDOM (WET-Star)	DO (SBE43)	Altimeter (Benthos)	Other
	✓	✓	✓	

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	8	19	22:28	2733.8	8918.6	1612
	MAX	8	19	22:58	2733.4	8918.4	1650
	END	8	20	00:12	2733.2	8918.2	1656

Start Nav: [ ] End Nav: [ ]

	Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	Nutrients
1540	1	1548				x2	
1300	2	1302			x	x2	x
1100	3	1099				x2	
900	4	899				x2	
700	5	700				x2	
500	6	500			x	x2	x
400	7	400				x2	
300	8	300				x2	
200	9	200				x2	
100	10	100				x2	
50	11	50			x	x2	x
SFC	12	2				x2	x

Station Comments:

no gofio

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Guida	EAB	063	063

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
	START	08	20	0457	2815.0	8916.1	854
	MAX	08	20	0517	2815.0	8916.1	858
	END	08	20	0558	2814.7	8916.1	860

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	GC	~~Nutrients~~
750 1	762				x2		
600 2	599				x2	x	
500 3	500				x2		
400 4	399				x2	x	
5	399	No samples taken					
300 6	299				x2		
200 7	200				x2	x	
155 8	157				x2	x	
85 9	80				x2	x	
50 10	45				x2	x	
surf 11	2						
12	No	samples taken		-	Not fired		

Station Comments:

No Go Flo

salinity spiking 750-650m on upcast

bottles 5-12 fired w/ deck box

Cruise ID	Chief Sci.	CTD Operator	CTd Cast #	Sta ID #
HB 10-06	~~Jon Hare~~ V. Gulda	EAB	064	064

Auxiliary Sensors ___x___ **CDOM** (WET-Star) ___x___ **DO** (SBE43) ___x___ **Altimeter** (Benthos) _____ **Other**

		Month	Day	Time (GMT)	Latitude	Longitude	Depth (m)
[redacted]	START	08	20	0657	2818.9	8908.5	896
	MAX	08	20	0715	2819.0	8908.5	889
	END	08	20	0801	2819.3	8908.7	865

Start Nav: [ ] **End Nav:** [ ]

Bottle #	Depth Closed		Salt Case/#	DO #	Chloro #	GC ~~Nutrients~~
800 1	802					x
700 2	701					
600 3	600					
500 4	500					
~400 5	411					x
300 6	300					
200 7	200					
~150 8	146					
~100 9	110					x
~ 10	110	No sample taken				
~ 11	49					x
5 12	2					x

Station Comments:

No go flo

bottles 9-12 fired w/ deck box