Table 1: W310: Element summary

Element	Qty	Length [m]	Buoyancy [kg]
100 cm Signature Frame	1		-7.5
10mm Load Ring	3		0.5
13mmBS	9		-0.7
14in Panther Plast	1		17.6
16mmBS	10		-0.7
16mmDS	1		-0.7
3/8 chain SL	1	2.0	-4.7
3/8 wire rope	4	285.5	-94.2
30in	2		149.0
6mm AmSteel	1	1.0	0.0
75kHz+40in+Ti300kHz	1		85.8
8mm Load Ring	6		0.5
Anchor W310	1		-900.0
FLNTUSB	3		-0.2
Longranger	1		0.0
RBRquartz TP	1		-0.2
Ribuck Dual Kit for Sonardyne ORT	1		-35.0
SBE37 SMP plastic CTP	3		0.0
SBE37 SMP titanium CTP	1		0.0
SBE39 T	1		-0.2
SBE39 ext. T	1		-0.2
SBE39 ext. TP	1		-0.2
SBE39 plus TP	1		-0.2
SBE39 sync. T	1		-0.2
SBE56 T	18		-0.1
Sentinel	1		0.0
Sercel	1		0.0
Sercel+frame	1		-10.0
Signature 1000	1		0.0
Sonardyne ORT	2		0.0
Swivel	1		-4.0
Zn Anode	4		-0.1

Table 2: W310: Clamp-on summary

Name	Serial	H[m]	Clamped-to	Section	Inline H[m]
RBRquartz TP	213895	0.5	Anchor W310		0.5
Sonardyne ORT	262762-001 [65]	3.1	Ribuck Dual Kit for Sonardyne ORT		0.3
Sonardyne ORT	262762-002 [64]	3.1	Ribuck Dual Kit for Sonardyne ORT		0.3
FLNTUSB	2997	5.0	3/8 wire rope	A	0.6
SBE39 T	3975	5.1	3/8 wire rope	A	0.7
Zn Anode		7.5	3/8 wire rope	A	3.1
FLNTUSB	3194	9.4	3/8 wire rope	A	5.0
SBE56 T	7343	9.9	3/8 wire rope	A	5.5
SBE39 ext. T	3799	14.9	3/8 wire rope	A	10.5
FLNTUSB	1835	19.4	3/8 wire rope	A	15.0
SBE56 T	7344	19.9	3/8 wire rope	A	15.5
SBE39 sync. T	4456	24.9	3/8 wire rope	A	20.5
Sentinel	20089	31.0	75kHz+40in+Ti300kHz		0.4
Longranger	16870	32.5	75kHz+40in+Ti300kHz		1.9
SBE56 T	7345	33.6	3/8 wire rope	B	0.4
Zn Anode		37.7	3/8 wire rope	B	4.5
SBE56 T	7346	45.6	3/8 wire rope	B	12.4
SBE56 T	7347	58.1	3/8 wire rope	B	24.9
SBE56 T	7369	70.6	3/8 wire rope	B	37.4
SBE56 T	7370	83.1	3/8 wire rope	B	49.9
SBE37 SMP titanium CTP	11063	95.5	3/8 wire rope	B	62.3
SBE56 T	7371	108.1	3/8 wire rope	B	74.9
SBE56 T	12319	120.6	3/8 wire rope	B	87.4
SBE56 T	7374	133.1	3/8 wire rope	B	99.9
SBE56 T	7375	145.6	3/8 wire rope	B	112.4
SBE56 T	7376	158.1	3/8 wire rope	B	124.9
SBE37 SMP plastic CTP	12738	170.5	3/8 wire rope	B	137.3
SBE56 T	7377	183.1	3/8 wire rope	B	149.9
SBE39 plus TP	8222	195.6	3/8 wire rope	B	162.4
Zn Anode		203.7	3/8 wire rope	C	2.3
SBE56 T	7378	208.2	3/8 wire rope	C	6.8
SBE56 T	7399	220.7	3/8 wire rope	C	19.3
SBE37 SMP plastic CTP	12739	233.0	3/8 wire rope	C	31.6
SBE56 T	7400	245.7	3/8 wire rope	C	44.3
SBE56 T	7401	258.2	3/8 wire rope	C	56.8
SBE56 T	7402	270.7	3/8 wire rope	C	69.3
SBE37 SMP plastic CTP	9276	283.0	3/8 wire rope	C	81.6
Signature 1000	100244	290.6	100 cm Signature Frame		0.9
Zn Anode		293.1	3/8 wire rope	D	1.9
SBE39 ext. TP	6523	295.0	3/8 wire rope	D	3.8
Sercel	126989	297.3	Sercel+frame		0.4

Table 3: W310: Assembly summary (Part 1 of 2)

Element	Serial	Length [m]	Section	Height [in ASB]
Anchor W310	side-by-side			0.0
RBRquartz TP	213895			0.5 [0.5 m AE]
16mmBS				0.5
3/8 chain SL		2.0		0.5
16mmBS				2.5
10mm Load Ring				2.6
Ribuck Dual Kit for Sonardyne ORT				2.8
Sonardyne ORT	262762-001 [65]			3.1 [0.3 m AE]
Sonardyne ORT	262762-002 [64]			3.1 [0.3 m AE]
16mmBS				3.7
8mm Load Ring				3.8
16mmBS				3.9
Swivel				3.9
16mmBS				4.1
8mm Load Ring				4.2
13mmBS				4.3
3/8 wire rope		26.0	A	4.4
FLNTUSB	2997		A	5.0 [0.6 m AE]
SBE39 T	3975		A	5.1 [0.7 m AE]
Zn Anode			A	7.5 [3.1 m AE]
FLNTUSB	3194		A	9.4 [5.0 m AE]
SBE56 T	7343		A	9.9 [5.5 m AE]
SBE39 ext. T	3799		A	14.9 [10.5 m AE]
FLNTUSB	1835		A	19.4 [15.0 m AE]
SBE56 T	7344		A	19.9 [15.5 m AE]
SBE39 sync. T	4456		A	24.9 [20.5 m AE]
13mmBS				30.4
8mm Load Ring				30.4
16mmBS				30.6
75kHz+40in+Ti300kHz				30.6
Sentinel	20089			31.0 [0.4 m AE]
Longranger	16870			32.5 [1.9 m AE]
16mmBS				32.9
8mm Load Ring				33.0
13mmBS				33.1
3/8 wire rope		167.0	B	33.2
SBE56 T	7345		B	33.6 [0.4 m AE]
Zn Anode			B	37.7 [4.5 m AE]
SBE56 T	7346		B	45.6 [12.4 m AE]
SBE56 T	7347		B	58.1 [24.9 m AE]
SBE56 T	7369		B	70.6 [37.4 m AE]
SBE56 T	7370		B	83.1 [49.9 m AE]
SBE37 SMP titanium CTP	11063		B	95.5 [62.3 m AE]
SBE56 T	7371		B	108.1 [74.9 m AE]
SBE56 T	12319		B	120.6 [87.4 m AE]
SBE56 T	7374		B	133.1 [99.9 m AE]
SBE56 T	7375		B	145.6 [112.4 m AE]
SBE56 T	7376		B	158.1 [124.9 m AE]
SBE37 SMP plastic CTP	12738		B	170.5 [137.3 m AE]
SBE56 T	7377		B	183.1 [149.9 m AE]
SBE39 plus TP	8222		B	195.6 [162.4 m AE]
13mmBS				200.2
10mm Load Ring				200.2
16mmBS				200.4
30in	7-13_Buoy59_300m			200.4

Table 4: W310: Assembly summary (Part 2 of 2)

Element	Serial	Length [m]	Section	Height [in ASB]
13mmBS				201.4
3/8 wire rope		88.0	C	201.4
Zn Anode			C	203.7 [2.3 m AE]
SBE56 T	7378		C	208.2 [6.8 m AE]
SBE56 T	7399		C	220.7 [19.3 m AE]
SBE37 SMP plastic CTP	12739		C	233.0 [31.6 m AE]
SBE56 T	7400		C	245.7 [44.3 m AE]
SBE56 T	7401		C	258.2 [56.8 m AE]
SBE56 T	7402		C	270.7 [69.3 m AE]
SBE37 SMP plastic CTP	9276		C	283.0 [81.6 m AE]
13mmBS				289.4
8mm Load Ring				289.5
16mmBS				289.6
100 cm Signature Frame				289.7
Signature 1000	100244			290.6 [0.9 m AE]
16mmBS				291.0
8mm Load Ring				291.0
13mmBS				291.1
3/8 wire rope		4.5	D	291.2
Zn Anode			D	293.1 [1.9 m AE]
SBE39 ext. TP	6523		D	295.0 [3.8 m AE]
13mmBS				295.7
10mm Load Ring				295.7
13mmBS				295.9
30in	7-13_Buoy62_300m			295.9
Sercel+frame				296.9
Sercel	126989			297.3 [0.4 m AE]
6mm AmSteel		1.0	E	297.4
16mmDS				298.4
14in Panther Plast				298.5

Table 5: N280: Element summary

Element	Qty	Length [m]	Buoyancy [kg]
10mm Load Ring	3		0.5
13mmBS	5		-0.7
14in Panther Plast	1		17.6
16mmBS	9		-0.7
3/8 chain SL	1	1.8	-4.2
3/8 wire rope	2	257.5	-85.0
30in	2		149.0
6mm AmSteel	1	1.0	0.0
75kHz+30in_sph	1		20.0
8mm Load Ring	3		0.5
Anchor N280	1		-900.0
Longranger	1		0.0
RBR duet	1		-0.2
RBRquartz TP	1		-0.2
Ribuck Dual Kit for Sonardyne ORT	1		-35.0
SBE39 ext. T	19		-0.2
SBE39 ext. TP	2		-0.2
SBE39 int. TP	1		-0.2
SBE39 sync. T	4		-0.2
Sercel	1		0.0
Sercel+frame	1		-10.0
Sonardyne ORT	2		0.0
Swivel	1		-4.0
Zn Anode	2		-0.1

Table 6: N280: Clamp-on summary

Name	Serial	H[m]	Clamped-to	Section	Inline H[m]
RBRquartz TP	213896	0.6	Anchor N280		0.6
Sonardyne ORT	290238-004 [A4]	3.3	Ribuck Dual Kit for Sonardyne ORT		0.3
Sonardyne ORT	284837-003 [95]	3.3	Ribuck Dual Kit for Sonardyne ORT		0.3
Longranger	24613	6.0	75kHz+30in_sph		1.4
Zn Anode		9.2	3/8 wire rope	A	2.7
SBE39 ext. T	3719	11.2	3/8 wire rope	A	4.7
SBE39 ext. T	3753	16.2	3/8 wire rope	A	9.7
SBE39 ext. T	3721	21.2	3/8 wire rope	A	14.7
SBE39 ext. T	3722	31.2	3/8 wire rope	A	24.7
SBE39 ext. T	3723	41.2	3/8 wire rope	A	34.7
SBE39 sync. T	4452	51.2	3/8 wire rope	A	44.7
SBE39 ext. T	3724	61.2	3/8 wire rope	A	54.7
SBE39 ext. T	3725	71.2	3/8 wire rope	A	64.7
RBR duet	82536	81.2	3/8 wire rope	A	74.7
SBE39 sync. T	4453	91.2	3/8 wire rope	A	84.7
SBE39 ext. T	3726	101.2	3/8 wire rope	A	94.7
SBE39 ext. T	3727	111.2	3/8 wire rope	A	104.7
SBE39 ext. T	3728	121.2	3/8 wire rope	A	114.7
SBE39 ext. T	3729	131.2	3/8 wire rope	A	124.7
SBE39 ext. T	3730	141.2	3/8 wire rope	A	134.7
SBE39 ext. T	3731	151.2	3/8 wire rope	A	144.7
SBE39 ext. T	3747	161.2	3/8 wire rope	A	154.7
SBE39 sync. T	4454	171.2	3/8 wire rope	A	164.7
SBE39 ext. T	3749	181.2	3/8 wire rope	A	174.7
SBE39 ext. TP	6527	191.2	3/8 wire rope	A	184.7
SBE39 ext. T	3750	200.7	3/8 wire rope	A	194.2
Zn Anode		206.3	3/8 wire rope	B	3.5
SBE39 ext. T	3752	211.3	3/8 wire rope	B	8.5
SBE39 ext. TP	6528	221.3	3/8 wire rope	B	18.5
SBE39 ext. T	3754	231.3	3/8 wire rope	B	28.5
SBE39 sync. T	4455	241.3	3/8 wire rope	B	38.5
SBE39 ext. T	3798	251.3	3/8 wire rope	B	48.5
SBE39 int. TP	5082	264.7	3/8 wire rope	B	61.9
Sercel	126991	266.9	Sercel+frame		0.4

Table 7: N280: Assembly summary (Part 1 of 2)

Element	Serial	Length [m]	Section	Height [in ASB]
Anchor N280	stack release			0.0
RBRquartz TP	213896			0.6 [0.6 m AE]
16mmBS				0.8
3/8 chain SL		1.8		0.9
16mmBS				2.7
10mm Load Ring				2.8
Ribuck Dual Kit for Sonardyne ORT				2.9
Sonardyne ORT	290238-004 [A4]			3.3 [0.3 m AE]
Sonardyne ORT	284837-003 [95]			3.3 [0.3 m AE]
16mmBS				3.8
8mm Load Ring				3.9
16mmBS				4.0
Swivel				4.1
16mmBS				4.3
8mm Load Ring				4.4
16mmBS				4.5
75kHz+30in_sph				4.5
Longranger	24613			6.0 [1.4 m AE]
16mmBS				6.3
8mm Load Ring				6.3
13mmBS				6.5
3/8 wire rope		195.0	A	6.5
Zn Anode			A	9.2 [2.7 m AE]
SBE39 ext. T	3719		A	11.2 [4.7 m AE]
SBE39 ext. T	3753		A	16.2 [9.7 m AE]
SBE39 ext. T	3721		A	21.2 [14.7 m AE]
SBE39 ext. T	3722		A	31.2 [24.7 m AE]
SBE39 ext. T	3723		A	41.2 [34.7 m AE]
SBE39 sync. T	4452		A	51.2 [44.7 m AE]
SBE39 ext. T	3724		A	61.2 [54.7 m AE]
SBE39 ext. T	3725		A	71.2 [64.7 m AE]
RBR duet	82536		A	81.2 [74.7 m AE]
SBE39 sync. T	4453		A	91.2 [84.7 m AE]
SBE39 ext. T	3726		A	101.2 [94.7 m AE]
SBE39 ext. T	3727		A	111.2 [104.7 m AE]
SBE39 ext. T	3728		A	121.2 [114.7 m AE]
SBE39 ext. T	3729		A	131.2 [124.7 m AE]
SBE39 ext. T	3730		A	141.2 [134.7 m AE]
SBE39 ext. T	3731		A	151.2 [144.7 m AE]
SBE39 ext. T	3747		A	161.2 [154.7 m AE]
SBE39 sync. T	4454		A	171.2 [164.7 m AE]
SBE39 ext. T	3749		A	181.2 [174.7 m AE]
SBE39 ext. TP	6527		A	191.2 [184.7 m AE]
SBE39 ext. T	3750		A	200.7 [194.2 m AE]
13mmBS				201.5
10mm Load Ring				201.5
16mmBS				201.7
30in	7-13_Buoy61_300m			201.8
13mmBS				202.7
3/8 wire rope		62.5	B	202.8
Zn Anode			B	206.3 [3.5 m AE]
SBE39 ext. T	3752		B	211.3 [8.5 m AE]
SBE39 ext. TP	6528		B	221.3 [18.5 m AE]
SBE39 ext. T	3754		B	231.3 [28.5 m AE]
SBE39 sync. T	4455		B	241.3 [38.5 m AE]

Table 8: N280: Assembly summary (Part 2 of 2)

Element	Serial	Length [m]	Section	Height [in ASB]
SBE39 ext. T	3798		B	251.3 [48.5 m AE]
SBE39 int. TP	5082		B	264.7 [61.9 m AE]
13mmBS				265.3
10mm Load Ring				265.3
16mmBS				265.5
30in	7-13_Buoy60_300m			265.5
Sercel+frame				266.5
Sercel	126991			266.9 [0.4 m AE]
6mm AmSteel		1.0	C	267.0
13mmBS				268.0
14in Panther Plast				268.1

Table 9: S245: Element summary

Element	Qty	Length [m]	Buoyancy [kg]
100 cm Signature Frame	1		-7.5
10mm Load Ring	4		0.5
13mmBS	10		-0.7
14in Panther Plast	2		17.6
150kHz+30in_sph	1		57.0
16mmBS	13		-0.7
3/8 chain SL	1	1.8	-4.2
3/8 wire rope	4	214.5	-70.8
30in	1		149.0
35in	1		238.0
6mm AmSteel	1	4.5	0.0
8mm Load Ring	6		0.5
ADV+MP+uSquid+2B	1		-43.0
Anchor S245	1		-900.0
FP07	1		0.0
Quartermaster	1		0.0
RBR duet	1		-0.2
Ribuck Dual Kit for Sonardyne ORT	1		-35.0
SBE39 ext. TP	4		-0.2
SBE39 plus TP	1		-0.2
SBE56 T	32		-0.1
Sercel	1		0.0
Sercel+frame	1		-10.0
Signature 1000	1		0.0
Sonardyne ORT	2		0.0
Swivel	1		-4.0
Vector	1		0.0
Zn Anode	4		-0.1
uSquid	1		0.0

Table 10: S245: Clamp-on summary

Name	Serial	H[m]	Clamped-to	Section	Inline H[m]
SBE56 T	7372	0.6	Anchor S245		0.6
Sonardyne ORT	284837-002 [93]	3.2	Ribuck Dual Kit for Sonardyne ORT		0.3
Sonardyne ORT	284837-004 [99]	3.2	Ribuck Dual Kit for Sonardyne ORT		0.3
SBE56 T	00674	5.6	150kHz+30in_sph		1.1
Quartermaster	11795	5.9	150kHz+30in_sph		1.4
Zn Anode		8.7	3/8 wire rope	A	2.2
SBE39 plus TP	8223	10.2	3/8 wire rope	A	3.7
SBE56 T	00711	13.2	3/8 wire rope	A	6.7
RBR duet	82538	16.2	3/8 wire rope	A	9.7
SBE56 T	00725	19.2	3/8 wire rope	A	12.7
SBE56 T	00781	22.2	3/8 wire rope	A	15.7
SBE56 T	00877	25.2	3/8 wire rope	A	18.7
SBE56 T	00878	28.2	3/8 wire rope	A	21.7
SBE56 T	00879	31.2	3/8 wire rope	A	24.7
SBE56 T	00881	41.2	3/8 wire rope	A	34.7
SBE56 T	00907	51.2	3/8 wire rope	A	44.7
SBE39 ext. TP	6530	56.2	3/8 wire rope	A	49.7
SBE56 T	00908	61.2	3/8 wire rope	A	54.7
SBE56 T	00909	71.2	3/8 wire rope	A	64.7
SBE56 T	00910	81.2	3/8 wire rope	A	74.7
SBE56 T	00912	91.2	3/8 wire rope	A	84.7
SBE56 T	02975	101.2	3/8 wire rope	A	94.7
SBE56 T	02976	111.2	3/8 wire rope	A	104.7
SBE56 T	02977	121.2	3/8 wire rope	A	114.7
SBE56 T	02978	131.2	3/8 wire rope	A	124.7
SBE56 T	02981	141.2	3/8 wire rope	A	134.7
SBE39 ext. TP	6529	146.2	3/8 wire rope	A	139.7
SBE56 T	02983	151.0	3/8 wire rope	A	144.6
Zn Anode		156.2	3/8 wire rope	B	3.5
SBE56 T	6964	161.2	3/8 wire rope	B	8.5
SBE56 T	6965	171.2	3/8 wire rope	B	18.5
SBE56 T	7403	176.2	3/8 wire rope	B	23.5
SBE56 T	7274	181.2	3/8 wire rope	B	28.5
SBE39 ext. TP	6526	182.2	3/8 wire rope	B	29.5
SBE56 T	7308	183.8	3/8 wire rope	B	31.0
Vector	6015	186.0	ADV+MP+uSquid+2B		0.6
uSquid	002	186.0	ADV+MP+uSquid+2B		0.6
FP07	T937	186.0	ADV+MP+uSquid+2B		0.6
SBE56 T	7319	188.8	3/8 wire rope	C	1.2
Zn Anode		190.4	3/8 wire rope	C	2.8
SBE56 T	7338	191.3	3/8 wire rope	C	3.7
SBE56 T	7426	196.3	3/8 wire rope	C	8.7
SBE56 T	7339	201.3	3/8 wire rope	C	13.7
SBE56 T	7340	211.3	3/8 wire rope	C	23.7
Signature 1000	100608	221.2	100 cm Signature Frame		0.9
SBE56 T	7341	222.1	3/8 wire rope	D	0.3
Zn Anode		223.6	3/8 wire rope	D	1.8
SBE39 ext. TP	6617	225.9	3/8 wire rope	D	4.0
Sercel	126990	228.1	Sercel+frame		0.4
SBE56 T	7342	228.7	6mm AmSteel	E	0.4

Table 11: S245: Assembly summary (Part 1 of 2)

Element	Serial	Length [m]	Section	Height [in ASB]
Anchor S245	stack non-release			0.0
SBE56 T	7372			0.6 [0.6 m AE]
16mmBS				0.8
3/8 chain SL		1.8		0.9
16mmBS				2.7
10mm Load Ring				2.7
Ribuck Dual Kit for Sonardyne ORT				2.9
Sonardyne ORT	284837-002 [93]			3.2 [0.3 m AE]
Sonardyne ORT	284837-004 [99]			3.2 [0.3 m AE]
16mmBS				3.8
8mm Load Ring				3.9
16mmBS				4.0
Swivel				4.1
16mmBS				4.3
8mm Load Ring				4.3
16mmBS				4.5
150kHz+30in_sph				4.5
SBE56 T	00674			5.6 [1.1 m AE]
Quartermaster	11795			5.9 [1.4 m AE]
16mmBS				6.2
10mm Load Ring				6.3
13mmBS				6.4
3/8 wire rope		145.0	A	6.5
Zn Anode			A	8.7 [2.2 m AE]
SBE39 plus TP	8223		A	10.2 [3.7 m AE]
SBE56 T	00711		A	13.2 [6.7 m AE]
RBR duet	82538		A	16.2 [9.7 m AE]
SBE56 T	00725		A	19.2 [12.7 m AE]
SBE56 T	00781		A	22.2 [15.7 m AE]
SBE56 T	00877		A	25.2 [18.7 m AE]
SBE56 T	00878		A	28.2 [21.7 m AE]
SBE56 T	00879		A	31.2 [24.7 m AE]
SBE56 T	00881		A	41.2 [34.7 m AE]
SBE56 T	00907		A	51.2 [44.7 m AE]
SBE39 ext. TP	6530		A	56.2 [49.7 m AE]
SBE56 T	00908		A	61.2 [54.7 m AE]
SBE56 T	00909		A	71.2 [64.7 m AE]
SBE56 T	00910		A	81.2 [74.7 m AE]
SBE56 T	00912		A	91.2 [84.7 m AE]
SBE56 T	02975		A	101.2 [94.7 m AE]
SBE56 T	02976		A	111.2 [104.7 m AE]
SBE56 T	02977		A	121.2 [114.7 m AE]
SBE56 T	02978		A	131.2 [124.7 m AE]
SBE56 T	02981		A	141.2 [134.7 m AE]
SBE39 ext. TP	6529		A	146.2 [139.7 m AE]
SBE56 T	02983		A	151.0 [144.6 m AE]
13mmBS				151.5
10mm Load Ring				151.5
16mmBS				151.7
30in	7-13_Buoy63_300m			151.7
13mmBS				152.7
3/8 wire rope		32.5	B	152.7
Zn Anode			B	156.2 [3.5 m AE]
SBE56 T	6964		B	161.2 [8.5 m AE]
SBE56 T	6965		B	171.2 [18.5 m AE]

Table 12: S245: Assembly summary (Part 2 of 2)

Element	Serial	Length [m]	Section	Height [in ASB]
SBE56 T	7403		B	176.2 [23.5 m AE]
SBE56 T	7274		B	181.2 [28.5 m AE]
SBE39 ext. TP	6526		B	182.2 [29.5 m AE]
SBE56 T	7308		B	183.8 [31.0 m AE]
13mmBS				185.2
8mm Load Ring				185.3
16mmBS				185.4
ADV+MP+uSquid+2B				185.5
Vector	6015			186.0 [0.6 m AE]
uSquid	002			186.0 [0.6 m AE]
FP07	T937			186.0 [0.6 m AE]
16mmBS				187.3
8mm Load Ring				187.4
13mmBS				187.5
3/8 wire rope		32.5	C	187.6
SBE56 T	7319		C	188.8 [1.2 m AE]
Zn Anode			C	190.4 [2.8 m AE]
SBE56 T	7338		C	191.3 [3.7 m AE]
SBE56 T	7426		C	196.3 [8.7 m AE]
SBE56 T	7339		C	201.3 [13.7 m AE]
SBE56 T	7340		C	211.3 [23.7 m AE]
13mmBS				220.1
8mm Load Ring				220.1
16mmBS				220.2
100 cm Signature Frame				220.3
Signature 1000	100608			221.2 [0.9 m AE]
16mmBS				221.6
8mm Load Ring				221.7
13mmBS				221.8
3/8 wire rope		4.5	D	221.8
SBE56 T	7341		D	222.1 [0.3 m AE]
Zn Anode			D	223.6 [1.8 m AE]
SBE39 ext. TP	6617		D	225.9 [4.0 m AE]
13mmBS				226.3
10mm Load Ring				226.4
16mmBS				226.5
35in	1-17_Buoy01_300m			226.6
Sercel+frame				227.7
Sercel	126990			228.1 [0.4 m AE]
13mmBS				228.2
6mm AmSteel		4.5	E	228.3
SBE56 T	7342		E	228.7 [0.4 m AE]
13mmBS				232.8
14in Panther Plast				232.8
14in Panther Plast				233.2

Table 13: L245: Element summary

Element	Qty	Length [m]	Buoyancy [kg]
14in Panther Plast	2		17.6
16mmDS-L-16mmDS	1		-0.8
3/8 wire rope	1	70.6	-23.3
Edgetech MF SD	2		0.0
LISST_200X	1		-4.0
Lander frame	1		0.0
NTUS	3		-0.2
RBRquartz TP	1		-0.2
SBE 19+ cage	1		-20.0
Signature 1000	1		0.0
Sonardyne ORT	1		0.0
Vector	3		0.0
Zn Anode	1		-0.1
popup buoy	2		20.0

Table 14: L245: Clamp-on summary

Name	Serial	H[m]	Clamped-to	Section	Inline H[m]
NTUS	360	0.2	Lander frame		0.2
RBRquartz TP	213897	0.3	Lander frame		0.3
Signature 1000	100460	0.3	Lander frame		0.3
Vector	6329	0.5	Lander frame		0.5
NTUS	1521	0.5	Lander frame		0.5
Vector	6019	0.9	Lander frame		0.9
SBE 19+ cage	6530	1.1	Lander frame		1.1
NTUS	359	1.2	Lander frame		1.2
LISST_200X	2031	1.2	Lander frame		1.2
Vector	6017	1.5	Lander frame		1.5
Zn Anode		4.0	3/8 wire rope	A	1.2
Edgetech MF SD	54435	74.7	popup buoy		1.3
Edgetech MF SD	53086 (upper)	74.7	popup buoy		0.2
Sonardyne ORT	290238-004 [A4]	75.2	14in Panther Plast		0.0

Table 15: L245: Assembly summary

Element	Serial	Length [m]	Section	Height [in ASB]
Lander frame				0.0
NTUS	360			0.2 [0.2 m AE]
RBRquartz TP	213897			0.3 [0.3 m AE]
Signature 1000	100460			0.3 [0.3 m AE]
Vector	6329			0.5 [0.5 m AE]
NTUS	1521			0.5 [0.5 m AE]
Vector	6019			0.9 [0.9 m AE]
SBE 19+ cage	6530			1.1 [1.1 m AE]
NTUS	359			1.2 [1.2 m AE]
LISST_200X	2031			1.2 [1.2 m AE]
Vector	6017			1.5 [1.5 m AE]
16mmDS-L-16mmDS				2.6
3/8 wire rope		70.6	A	2.8
Zn Anode			A	4.0 [1.2 m AE]
popup buoy				73.4
Edgetech MF SD	54435			74.7 [1.3 m AE]
14in Panther Plast				74.1
popup buoy				74.5
Edgetech MF SD	53086 (upper)			74.7 [0.2 m AE]
14in Panther Plast				75.2
Sonardyne ORT	290238-004 [A4]			75.2 [0.0 m AE]

Table 16: All: summary of instruments (Part 1 of 3)

Element	Serial number	Mooring
RBRquartz TP [n=3]	213895	W310
	213896	N280
	213897	L245
Ribuck Dual Kit for Sonardyne ORT [n=3]		W310
		N280
		S245
Sonardyne ORT [n=7]	262762-001 [65]	W310
	262762-002 [64]	W310
	284837-003 [95]	N280
	290238-004 [A4]	N280
	284837-002 [93]	S245
	284837-004 [99]	S245
	290238-004 [A4]	L245
Swivel [n=3]		W310
		N280
		S245
FLNTUSB [n=3]	1835	W310
	2997	W310
	3194	W310
SBE39 T [n=1]	3975	W310
Zn Anode [n=11]		W310
		W310
		W310
		W310
		N280
		N280
		S245
		S245
		S245
		S245
		L245
SBE56 T [n=50]	12319	W310
	7343	W310
	7344	W310
	7345	W310
	7346	W310
	7347	W310
	7369	W310
	7370	W310
	7371	W310
	7374	W310
	7375	W310
	7376	W310
	7377	W310
	7378	W310
	7399	W310
	7400	W310
	7401	W310
	7402	W310
	00674	S245
	00711	S245
	00725	S245
	00781	S245
	00877	S245
	00878	S245

Table 17: All: summary of instruments (Part 2 of 3)

Element	Serial number	Mooring
	00879	S245
	00881	S245
	00907	S245
	00908	S245
	00909	S245
	00910	S245
	00912	S245
	02975	S245
	02976	S245
	02977	S245
	02978	S245
	02981	S245
	02983	S245
	6964	S245
	6965	S245
	7274	S245
	7308	S245
	7319	S245
	7338	S245
	7339	S245
	7340	S245
	7341	S245
	7342	S245
	7372	S245
	7403	S245
	7426	S245
SBE39 ext. T [n=20]	3799	W310
	3719	N280
	3721	N280
	3722	N280
	3723	N280
	3724	N280
	3725	N280
	3726	N280
	3727	N280
	3728	N280
	3729	N280
	3730	N280
	3731	N280
	3747	N280
	3749	N280
	3750	N280
	3752	N280
	3753	N280
	3754	N280
	3798	N280
SBE39 sync. T [n=5]	4456	W310
	4452	N280
	4453	N280
	4454	N280
	4455	N280
75kHz+40in+Ti300kHz [n=1]		W310
Sentinel [n=1]	20089	W310
Longranger [n=2]	16870	W310
	24613	N280

Table 18: All: summary of instruments (Part 3 of 3)

Element	Serial number	Mooring
SBE37 SMP titanium CTP [n=1]	11063	W310
SBE37 SMP plastic CTP [n=3]	12738	W310
	12739	W310
	9276	W310
SBE39 plus TP [n=2]	8222	W310
	8223	S245
100 cm Signature Frame [n=2]		W310
		S245
Signature 1000 [n=3]	100244	W310
	100608	S245
	100460	L245
SBE39 ext. TP [n=7]	6523	W310
	6527	N280
	6528	N280
	6526	S245
	6529	S245
	6530	S245
	6617	S245
Sercel+frame [n=3]		W310
		N280
		S245
Sercel [n=3]	126989	W310
	126991	N280
	126990	S245
75kHz+30in_sph [n=1]		N280
RBR duet [n=2]	82536	N280
	82538	S245
SBE39 int. TP [n=1]	5082	N280
150kHz+30in_sph [n=1]		S245
Quartermaster [n=1]	11795	S245
ADV+MP+uSquid+2B [n=1]		S245
Vector [n=4]	6015	S245
	6017	L245
	6019	L245
	6329	L245
uSquid [n=1]	002	S245
FP07 [n=1]	T937	S245
Lander frame [n=1]		L245
NTUS [n=3]	1521	L245
	359	L245
	360	L245
SBE 19+ cage [n=1]	6530	L245
LISST_200X [n=1]	2031	L245
Edgetech MF SD [n=2]	53086 (upper)	L245
	54435	L245

Table 19: All : Total count of each element

name	L245	N280	S245	W310	Total
100 cm Signature Frame	0	0	1	1	2
10mm Load Ring	0	3	4	3	10
13mmBS	0	5	10	9	24
14in Panther Plast	2	1	2	1	6
150kHz+30in_sph	0	0	1	0	1
16mmBS	0	9	13	10	32
16mmDS	0	0	0	1	1
16mmDS-L-16mmDS	1	0	0	0	1
3/8 chain SL	0	1	1	1	3
3/8 wire rope	1	2	4	4	11
30in	0	2	1	2	5
35in	0	0	1	0	1
6mm AmSteel	0	1	1	1	3
75kHz+30in_sph	0	1	0	0	1
75kHz+40in+Ti300kHz	0	0	0	1	1
8mm Load Ring	0	3	6	6	15
ADV+MP+uSquid+2B	0	0	1	0	1
Anchor N280	0	1	0	0	1
Anchor S245	0	0	1	0	1
Anchor W310	0	0	0	1	1
Edgetech MF SD	2	0	0	0	2
FLNTUSB	0	0	0	3	3
FP07	0	0	1	0	1
LISST_200X	1	0	0	0	1
Lander frame	1	0	0	0	1
Longranger	0	1	0	1	2
NTUS	3	0	0	0	3
Quartermaster	0	0	1	0	1
RBR duet	0	1	1	0	2
RBRquartz TP	1	1	0	1	3
Ribuck Dual Kit for Sonardyne ORT	0	1	1	1	3
SBE 19+ cage	1	0	0	0	1
SBE37 SMP plastic CTP	0	0	0	3	3
SBE37 SMP titanium CTP	0	0	0	1	1
SBE39 T	0	0	0	1	1
SBE39 ext. T	0	19	0	1	20
SBE39 ext. TP	0	2	4	1	7
SBE39 int. TP	0	1	0	0	1
SBE39 plus TP	0	0	1	1	2
SBE39 sync. T	0	4	0	1	5
SBE56 T	0	0	32	18	50
Sentinel	0	0	0	1	1
Sercel	0	1	1	1	3
Sercel+frame	0	1	1	1	3
Signature 1000	1	0	1	1	3
Sonardyne ORT	1	2	2	2	7
Swivel	0	1	1	1	3
Vector	3	0	1	0	4
Zn Anode	1	2	4	4	11
popup buoy	2	0	0	0	2
uSquid	0	0	1	0	1

Table 20: All: simple section summary

Mooring	Section	Material	Length
W310		3/8 chain SL	2.0
W310	A	3/8 wire rope	26.0
W310	B	3/8 wire rope	167.0
W310	C	3/8 wire rope	88.0
W310	D	3/8 wire rope	4.5
W310	E	6mm AmSteel	1.0
N280		3/8 chain SL	1.8
N280	A	3/8 wire rope	195.0
N280	B	3/8 wire rope	62.5
N280	C	6mm AmSteel	1.0
S245		3/8 chain SL	1.8
S245	A	3/8 wire rope	145.0
S245	B	3/8 wire rope	32.5
S245	C	3/8 wire rope	32.5
S245	D	3/8 wire rope	4.5
S245	E	6mm AmSteel	4.5
L245	A	3/8 wire rope	70.6

Table 21: Summary of W310, A, length: 26.0 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
FLNTUSB	2997	5.0	0.6
SBE39 T	3975	5.1	0.7
Zn Anode		7.5	3.1
FLNTUSB	3194	9.4	5.0
SBE56 T	7343	9.9	5.5
SBE39 ext. T	3799	14.9	10.5
FLNTUSB	1835	19.4	15.0
SBE56 T	7344	19.9	15.5
SBE39 sync. T	4456	24.9	20.5

Table 22: Summary of W310, B, length: 167.0 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
SBE56 T	7345	33.6	0.4
Zn Anode		37.7	4.5
SBE56 T	7346	45.6	12.4
SBE56 T	7347	58.1	24.9
SBE56 T	7369	70.6	37.4
SBE56 T	7370	83.1	49.9
SBE37 SMP titanium CTP	11063	95.5	62.3
SBE56 T	7371	108.1	74.9
SBE56 T	12319	120.6	87.4
SBE56 T	7374	133.1	99.9
SBE56 T	7375	145.6	112.4
SBE56 T	7376	158.1	124.9
SBE37 SMP plastic CTP	12738	170.5	137.3
SBE56 T	7377	183.1	149.9
SBE39 plus TP	8222	195.6	162.4

Table 23: Summary of W310, C, length: 88.0 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
Zn Anode		203.7	2.3
SBE56 T	7378	208.2	6.8
SBE56 T	7399	220.7	19.3
SBE37 SMP plastic CTP	12739	233.0	31.6
SBE56 T	7400	245.7	44.3
SBE56 T	7401	258.2	56.8
SBE56 T	7402	270.7	69.3
SBE37 SMP plastic CTP	9276	283.0	81.6

Table 24: Summary of W310, D, length: 4.5 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
Zn Anode		293.1	1.9
SBE39 ext. TP	6523	295.0	3.8

Table 25: Summary of N280, A, length: 195.0 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
Zn Anode		9.2	2.7
SBE39 ext. T	3719	11.2	4.7
SBE39 ext. T	3753	16.2	9.7
SBE39 ext. T	3721	21.2	14.7
SBE39 ext. T	3722	31.2	24.7
SBE39 ext. T	3723	41.2	34.7
SBE39 sync. T	4452	51.2	44.7
SBE39 ext. T	3724	61.2	54.7
SBE39 ext. T	3725	71.2	64.7
RBR duet	82536	81.2	74.7
SBE39 sync. T	4453	91.2	84.7
SBE39 ext. T	3726	101.2	94.7
SBE39 ext. T	3727	111.2	104.7
SBE39 ext. T	3728	121.2	114.7
SBE39 ext. T	3729	131.2	124.7
SBE39 ext. T	3730	141.2	134.7
SBE39 ext. T	3731	151.2	144.7
SBE39 ext. T	3747	161.2	154.7
SBE39 sync. T	4454	171.2	164.7
SBE39 ext. T	3749	181.2	174.7
SBE39 ext. TP	6527	191.2	184.7
SBE39 ext. T	3750	200.7	194.2

Table 26: Summary of N280, B, length: 62.5 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
Zn Anode		206.3	3.5
SBE39 ext. T	3752	211.3	8.5
SBE39 ext. TP	6528	221.3	18.5
SBE39 ext. T	3754	231.3	28.5
SBE39 sync. T	4455	241.3	38.5
SBE39 ext. T	3798	251.3	48.5
SBE39 int. TP	5082	264.7	61.9

Table 27: Summary of S245, A, length: 145.0 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
Zn Anode		8.7	2.2
SBE39 plus TP	8223	10.2	3.7
SBE56 T	00711	13.2	6.7
RBR duet	82538	16.2	9.7
SBE56 T	00725	19.2	12.7
SBE56 T	00781	22.2	15.7
SBE56 T	00877	25.2	18.7
SBE56 T	00878	28.2	21.7
SBE56 T	00879	31.2	24.7
SBE56 T	00881	41.2	34.7
SBE56 T	00907	51.2	44.7
SBE39 ext. TP	6530	56.2	49.7
SBE56 T	00908	61.2	54.7
SBE56 T	00909	71.2	64.7
SBE56 T	00910	81.2	74.7
SBE56 T	00912	91.2	84.7
SBE56 T	02975	101.2	94.7
SBE56 T	02976	111.2	104.7
SBE56 T	02977	121.2	114.7
SBE56 T	02978	131.2	124.7
SBE56 T	02981	141.2	134.7
SBE39 ext. TP	6529	146.2	139.7
SBE56 T	02983	151.0	144.6

Table 28: Summary of S245, B, length: 32.5 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
Zn Anode		156.2	3.5
SBE56 T	6964	161.2	8.5
SBE56 T	6965	171.2	18.5
SBE56 T	7403	176.2	23.5
SBE56 T	7274	181.2	28.5
SBE39 ext. TP	6526	182.2	29.5
SBE56 T	7308	183.8	31.0

Table 29: Summary of S245, C, length: 32.5 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
SBE56 T	7319	188.8	1.2
Zn Anode		190.4	2.8
SBE56 T	7338	191.3	3.7
SBE56 T	7426	196.3	8.7
SBE56 T	7339	201.3	13.7
SBE56 T	7340	211.3	23.7

Table 30: Summary of S245, D, length: 4.5 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
SBE56 T	7341	222.1	0.3
Zn Anode		223.6	1.8
SBE39 ext. TP	6617	225.9	4.0

Table 31: Summary of S245, E, length: 4.5 m, material: 6mm AmSteel

Name	Serial number	Height [m]	Along element
SBE56 T	7342	228.7	0.4

Table 32: Summary of L245, A, length: 70.6 m, material: 3/8 wire rope

Name	Serial number	Height [m]	Along element
Zn Anode		4.0	1.2