

Anexo III-1 - RPL - (Route Position List) de instalação do cabo JUNIOR

Pontos nº	Posição (WGS-84)		Alteração de curso (graus)	Distancia da rota		Slack (%)	Comprimento do cabo (m)		Tipo de Cabo	Profundidade (m)	Comentários
	Latitude	Longitude		Distância - Segmento (m)	Distância - Total (m)		por segmento	Total			
0	S23 02,0770	W043 29,5390		0	0		0	0		-5	Rio BMH - Praia da Macumba
				0		N/A	50	50	DA		Cable Allowance
	S23 02,0770	W043 29,5390			0					-5	End of Cable Allowance
				128		1,76	130		DA		
1	S23 02,1462	W043 29,5410			128			180		0	provisional
				1.200		1,99	1.225		DA		
2	S23 02,7964	W043 29,5602			1.328			1.405		12	T.B.C. by the captain (it depend of the weather condition)
				416		2	424		DA		
3	S23 03,0215	W043 29,5668	8,23		1.744			1.829		15	
				71		2	73		DA		
4	S23 03,0597	W043 29,5739			1.815			1.902		15	
				200		0,1	200		DA		
5	S23 03,1664	W043 29,5938	9,42		2.015			2.102		16	
				1.422			1.423		SAL		
6	S23 03,8938	W043 29,8676	-12,3		3.437			3.525		22	
				2.306			2.309		SAL		
7	S23 05,1342	W043 30,0298	6,85		5.743			5.834		32	
				944			944		SAL		
8	S23 05,6309	W043 30,1611	-2,02		6.687			6.778		38	
				729			730		SAL		
9	S23 06,0178	W043 30,2479	16,02		7.416			7.508		42	
				760			760		SAL		
10	S23 06,3818	W043 30,4549	12,04		8.176			8.268		44	
				857			858		SAL		
11	S23 06,7387	W043 30,7762	13,1		9.033			9.126		45	
				13.980			13.995		SAL		
12	S23 11,3090	W043 37,3079	-6,59		23.013			23.121		54	
				138			138		SAL		
13	S23 11,3608	W043 37,3665	-15,67		23.151			23.259		54	
				168			168		SAL		
14	S23 11,4389	W043 37,4165	-14,7		23.319			23.427		54	
				172			172		SAL		
15	S23 11,5285	W043 37,4441	-14,74		23.491			23.599		54	
				137			138		SAL		
16	S23 11,6030	W043 37,4458			23.628			23.737		54	cable crossing
				210		2	214		SAL		
17	S23 11,7167	W043 37,4483	-17,02		23.838			23.951		54	
				281		2	286		SAL		
18	S23 11,8628	W043 37,4035			24.119			24.237		54	
				250		2	255		SAL		
19	S23 11,9932	W043 37,3634	14,5		24.369			24.492		54	
				138		2	141		SAL		
20	S23 12,0681	W043 37,3616	15,28		24.507			24.633		54	
				101		2	103		SAL		
21	S23 12,1214	W043 37,3759			24.608			24.736		54	
				52		0,1	52		SAL		
22	S23 12,1484	W043 37,3831	16,46		24.660			24.788		54	
				232			232		SAL		
23	S23 12,2569	W043 37,4520	14,54		24.892			25.020		54	
				295			295		SAL		
24	S23 12,3699	W043 37,5740	14,55		25.187			25.315		54	
				5.794			5.800		SAL		
25	S23 13,9636	W043 40,5005	-3,03		30.981			31.115		56	
				2.383			2.386		SAL		
26	S23 14,6770	W043 41,6650	0,26		33.364			33.501		56	
				976			977		SAL		
27	S23 14,9672	W043 42,1433	-5,64		34.340			34.478		57	
				567			567		SAL		
28	S23 15,1601	W043 42,4019	3,56		34.907			35.045		57	
				645			646		SAL		
29	S23 15,3623	W043 42,7102	8,46		35.552			35.691		58	
				2.662			2.665		SAL		
30	S23 16,0150	W043 44,1023	-7,93		38.214			38.356		59	
				508			508		DA		
31	S23 16,1722	W043 44,3469	-6,63		38.722			38.864		59	
				2.295			2.297		DA		
32	S23 16,9954	W043 45,3552	20,53		41.017			41.161		60	
				689			690		DA		
33	S23 17,1288	W043 45,7328	-9,12		41.706			41.851		60	
				687			688		DA		
34	S23 17,3153	W043 46,0816	-15,09		42.393			42.539		61	
				543			544		DA		
35	S23 17,5238	W043 46,3063	-14,29		42.936			43.083		61	
				590			590		DA		
36	S23 17,7988	W043 46,4821	-15,08		43.526			43.673		61	
				1.252			1.253		DA		
37	S23 18,4525	W043 46,6781	-6,1		44.778			44.926		61	
				661			661		DA		
38	S23 18,8057	W043 46,7414	14,88		45.439			45.587		61	
				1.150			1.151		DA		
39	S23 19,3737	W043 47,0186	12,36		46.589			46.738		62	
				39			40		DA		
40	S23 19,3909	W043 47,0324			46.628			46.778		62	
				100			100		DA		
41	S23 19,4342	W043 47,0673	-11,89		46.728			46.878		62	
				29			29		DA		
42	S23 19,4487	W043 47,0745			46.757			46.907		61	Assy: sand over rock
				72		0,83	73		DA		

Pontos nº	Posição (WGS-84)		Alteração de curso (graus)	Distancia da rota		Slack (%)	Comprimento do cabo (m)		Tipo de Cabo	Profundidade (m)	Comentários
	Latitude	Longitude		Distância - Segmento (m)	Distância - Total (m)		por segmento	Total			
43	S23 19,4839	W043 47,0921	-5,73		46.829		46.980			55	
				326		1,96	333		DA		
44	S23 19,6508	W043 47,1543	-1,55		47.155		47.313			58	Plow Attempt
				45		-0,02	45		DA		
45	S23 19,6745	W043 47,1624	2,03		47.200		47.358			60	
				95		0,09	95		DA		
46	S23 19,7227	W043 47,1808	19,38		47.295		47.453			62	
				5		0,1	5		DA		
47	S23 19,7248	W043 47,1827			47.300		47.458			62	
				148		0,1	148		DA		
48	S23 19,7871	W043 47,2371	8,69		47.448		47.606			62	
				1.670		0,1	1.672		DA		
49	S23 20,3981	W043 47,9604	24,15		49.118		49.278			63	
				603		0,1	604		DA		
50	S23 20,5006	W043 48,2963	-11,97		49.721		49.882			63	
				1.757		0,1	1.759		DA		
51	S23 20,9804	W043 49,1867	18,71		51.478		51.641			63	
				1.961		0,1	1.962		DA		
52	S23 21,1932	W043 50,3139	-1,62		53.439		53.603			62	
				1.405		0,1	1.406		DA		
53	S23 21,3666	W043 51,1162	-8,17		54.844		55.009			61	
				1.848		0,1	1.850		DA		
54	S23 21,7309	W043 52,1264	-12,41		56.692		56.859			62	
				1.089		0,1	1.091		DA		
55	S23 22,0588	W043 52,6581	-3,93		57.781		57.950			63	
				2.742		0,1	2.744		DA		
56	S23 22,9664	W043 53,9315	-1,52		60.523		60.694			64	
				2.472		0,1	2.475		DA		
57	S23 23,8130	W043 55,0562	-0,5		62.995		63.169			66	
				2.555		0,1	2.557		DA		
58	S23 24,6970	W043 56,2100	5,96		65.550		65.726			69	
				649		0,1	650		DA		
59	S23 24,8923	W043 56,5268	-10,69		66.199		66.376			69	
				886		0,1	886		DA		
60	S23 25,2283	W043 56,8981	8,51		67.085		67.262			68	
				7.466		0,1	7.475		DA		
61	S23 27,6018	W044 00,4483	-1,03		74.551		74.737			68	
				2.018		0,1	2.019		DA		
62	S23 28,2589	W044 01,3952	1,31		76.569		76.756			69	
				1.226		0,1	1.228		DA		
63	S23 28,6460	W044 01,9806	0,33		77.795		77.984			69	
				2.569		0,1	2.571		DA		
64	S23 29,4503	W044 03,2117	-0,34		80.364		80.555			71	
				5.875		0,1	5.881		SAL		
65	S23 31,3050	W044 06,0163	11,08		86.239		86.436			71	
				1.109		0,1	1.110		SAL		
66	S23 31,5548	W044 06,6089	-14,26		87.348		87.546			71	
				3.746		0,1	3.749		SAL		
67	S23 32,8271	W044 08,3235	6,02		91.094		91.295			72	
				1.778		0,1	1.781		SAL		
68	S23 33,3492	W044 09,2020	3,31		92.872		93.076			72	Sonar contact about 100m north side (SC008)
				1.986		0,1	1.988		SAL		
69	S23 33,8790	W044 10,2179			94.858		95.064			73	
				13.686		0,1	13.699		SAL		
70	S23 37,5299	W044 17,2197	-0,35		108.544		108.763			72	
				10.402		0,1	10.413		SAL		
71	S23 40,3348	W044 22,5257	-0,01		118.946		119.176			73	
				14.699		0,1	14.714		SAL		
72	S23 44,2996	W044 30,0257	-0,01		133.645		133.890			73	
				2.707		0,1	2.710		SAL		
73	S23 45,0299	W044 31,4073	-1,69		136.352		136.600			73	
				3.880		0,1	3.883		SAL		
74	S23 46,1299	W044 33,3529	8,92		140.232		140.483			74	
				1.121		0,1	1.122		SAL		
75	S23 46,3637	W044 33,9620	6,99		141.353		141.605			76	
				462		0,1	463		SAL		
76	S23 46,4313	W044 34,2239	-12,95		141.815		142.068			75	
				2.811		0,1	2.814		SAL		
77	S23 47,1603	W044 35,6768	-10,51		144.626		144.882			74	
				1.602		0,1	1.603		SAL		
78	S23 47,7077	W044 36,4083	10,68		146.228		146.485			75	
				2.158		0,1	2.160		SAL		
79	S23 48,2644	W044 37,5258	-1,45		148.386		148.645			75	
				6.542		0,1	6.548		SAL		
80	S23 50,0299	W044 40,8657	-0,01		154.928		155.193			74	
				803		0,1	804		SAL		
81	S23 50,2468	W044 41,2759	3		155.731		155.997			73	
				3.333		0,1	3.337		SAL		
82	S23 51,0635	W044 43,0267	-3,23		159.064		159.334			73	
				21.762		0,1	21.783		SAL		
83	S23 56,9797	W044 54,1175	-9,35		180.826		181.117			73	
				455		0,1	456		SAL		
84	S23 57,1366	W044 54,3248	-9,96		181.281		181.573			73	
				52		0,1	52		SAL		
85	S23 57,1579	W044 54,3446			181.333		181.625			73	
				441		2	450		SAL		
86	S23 57,3393	W044 54,5136			181.774		182.075			74	
				49		2	50		SAL		
87	S23 57,3594	W044 54,5323	-0,55		181.823		182.125			74	

Pontos nº	Posição (WGS-84)		Alteração de curso (graus)	Distancia da rota		Slack (%)	Comprimento do cabo (m)		Tipo de Cabo	Profundidade (m)	Comentários
	Latitude	Longitude		Distância - Segmento (m)	Distância - Total (m)		por segmento	Total			
				49		2	50		SAL		
88	S23 57,3798	W044 54,5509			181.872			182.175		74	
				441		2	450		SAL		
89	S23 57,5628	W044 54,7181			182.313			182.625		74	
				337		0,1	337		SAL		
90	S23 57,7027	W044 54,8459	20,22		182.650			182.962		74	
				791			792		SAL		
91	S23 57,9155	W044 55,2507			183.441			183.754		74	
				1.023			1.024		SAL		
92	S23 58,1907	W044 55,7742	0,7		184.464			184.778		73	
				5.345			5.350		SAL		
93	S23 59,5974	W044 58,5283			189.809			190.128		73	
				3.962			3.966		SAL		
94	S24 00,6402	W045 00,5703	-0,86		193.771			194.094		74	Gravity corer lost during survey (in pos: S24 14,182 W 045 26,444)
				49.999			50.049		SAL		
95	S24 14,1550	W045 26,1451	0,11		243.770			244.143		63	
				7.272			7.279		SAL		
96	S24 16,1143	W045 29,8724	1,03		251.042			251.422		62	
				297			298		SAL		
97	S24 16,1919	W045 30,0264	0,63		251.339			251.720		62	
				1.422			1.423		SAL		
98	S24 16,5554	W045 30,7670	1,01		252.761			253.143		62	
				2.163			2.166		SAL		
99	S24 17,0904	W045 31,9048	14,77		254.924			255.309		62	
				5.363			5.368		SAL		
100	S24 17,7133	W045 35,0006	-1,54		260.287			260.677		62	
				4.403			4.408		SAL		
101	S24 18,2873	W045 37,5264	-0,01		264.690			265.085		61	
				853			854		SAL		
102	S24 18,3986	W045 38,0158	6,27		265.543			265.939		61	
				482			482		SAL		
103	S24 18,4334	W045 38,2980	0,07		266.025			266.421		61	
				18.752			18.771		SAL		
104	S24 19,7766	W045 49,2858			284.777			285.192		57	
				26.923			26.949		SAL		
105	S24 21,7049	W046 05,0641	1,9		311.700			312.141		48	
				5.126			5.131		SAL		
106	S24 21,9808	W046 08,0804	-7,51		316.826			317.272		45	
				421			422		SAL		
107	S24 22,0329	W046 08,3231	-5,79		317.247			317.694		45	
				282			282		SAL		
108	S24 22,0826	W046 08,4805	-12,3		317.529			317.976		45	
				310			310		SAL		
109	S24 22,1698	W046 08,6371	-13,35		317.839			318.286		45	
				235			235		SAL		
110	S24 22,2592	W046 08,7360	-13,92		318.074			318.521		45	
				121			122		SAL		
111	S24 22,3153	W046 08,7735			318.195			318.643		45	
				492		2	501		SAL		
112	S24 22,5425	W046 08,9251			318.687			319.144		45	
				488		2	499		SAL		
113	S24 22,7684	W046 09,0758			319.175			319.643		45	
				263		0,1	263		SAL		
114	S24 22,8899	W046 09,1570	14,71		319.438			319.906		45	
				398			398		SAL		
115	S24 23,0390	W046 09,3265	14,86		319.836			320.304		45	
				523			523		SAL		
116	S24 23,1763	W046 09,5970	14,58		320.359			320.827		45	
				2.826			2.830		SAL		
117	S24 23,5572	W046 11,2162	5,92		323.185			323.657		44	
				752			752		SAL		
118	S24 23,6173	W046 11,6561	-14,51		323.937			324.409		44	
				682			683		SAL		
119	S24 23,7616	W046 12,0275	-11,27		324.619			325.092		44	CX Santa Catherina (Florinopolis)-Santos No1 (OOS)
				118			118		SAL		
120	S24 23,7975	W046 12,0851	-5,89		324.737			325.210		44	
				82			82		SAL		
121	S24 23,8262	W046 12,1223			324.819			325.292		44	
				441		2	450		SAL		
122	S24 23,9802	W046 12,3216			325.260			325.742		44	
				49			50		SAL		
123	S24 23,9973	W046 12,3437	0,15		325.309			325.792		44	
				49			50		SAL		
124	S24 24,0144	W046 12,3660			325.358			325.842		44	
				441			450		SAL		
125	S24 24,1680	W046 12,5659			325.799			326.292		44	
				140		0,1	140		SAL		
126	S24 24,2166	W046 12,6290	16,9		325.939			326.432		44	
				142			142		SAL		
127	S24 24,2468	W046 12,7063	12,12		326.081			326.574		44	
				167			168		SAL		
128	S24 24,2641	W046 12,8036	-10,53		326.248			326.742		44	
				108			107		SAL		
129	S24 24,2855	W046 12,8630			326.356			326.849		44	
				490		2	500		SAL		
130	S24 24,3829	W046 13,1327	-0,22		326.846			327.349		43	
				490		2	500		SAL		
131	S24 24,4812	W046 13,4018			327.336			327.849		43	
				28		0,1	28		SAL		

Pontos nº	Posição (WGS-84)		Alteração de curso (graus)	Distancia da rota		Slack (%)	Comprimento do cabo (m)		Tipo de Cabo	Profundidade (m)	Comentários
	Latitude	Longitude		Distância - Segmento (m)	Distância - Total (m)		por segmento	Total			
132	S24 24,4868	W046 13,4173	-0,95		327.364		327.877			43	
				517		0,1	517	SAL			
133	S24 24,5948	W046 13,6993	0,03		327.881		328.394			43	
				251		0,1	251	SAL			
134	S24 24,6471	W046 13,8362	9,19		328.132		328.645			43	
				243		0,1	244	SAL			
135	S24 24,6778	W046 13,9761	13,32		328.375		328.889			43	
				208		0,1	209	SAL			
136	S24 24,6781	W046 14,0994	10,71		328.583		329.098			43	
				252		0,1	251	SAL			
137	S24 24,6531	W046 14,2458	13,81		328.835		329.349			43	
				287		0,1	288	SAL			
138	S24 24,5890	W046 14,4003	15,32		329.122		329.637			43	
				587		0,1	588	SAL			
139	S24 24,3858	W046 14,6677	7,99		329.709		330.225			43	
				7.155		0,1	7.161	SAL			
140	S24 21,5203	W046 17,5167	-0,01		336.864		337.386			35	
				6.352		0,1	6.358	SAL			
141	S24 18,9768	W046 20,0457	-0,01		343.216		343.744			33	
				2.946		0,1	2.949	SAL			
142	S24 17,7972	W046 21,2185	-0,01		346.162		346.693			33	
				2.866		0,1	2.870	SAL			
143	S24 16,6496	W046 22,3596	3,12		349.028		349.563			32	
				5.235		0,1	5.239	SAL			
144	S24 14,4530	W046 24,3156	-0,01		354.263		354.802			31	
				2.036		0,1	2.039	SAL			
145	S24 13,5985	W046 25,0766			356.299		356.841			30	
				692		0,1	692	SAL			
146	S24 13,3084	W046 25,3349	-0,01		356.991		357.533			30	
				3.730		0,1	3.735	SAL			
147	S24 11,7432	W046 26,7287	8,39		360.721		361.268			28	
				1.821		0,1	1.822	SAL			
148	S24 10,8965	W046 27,2800	-12,12		362.542		363.090			27	
				430		0,1	431	SAL			
149	S24 10,7259	W046 27,4532	-15,68		362.972		363.521			27	
				169		0,1	169	SAL			
150	S24 10,6783	W046 27,5384	-15,53		363.141		363.690			27	
				207		0,1	207	SAL			
151	S24 10,6478	W046 27,6558	-15,25		363.348		363.897			26	
				166		0,1	166	SAL			
152	S24 10,6469	W046 27,7537	-5,75		363.514		364.063			26	
				341		0,1	342	SAL			
153	S24 10,6636	W046 27,9547			363.855		364.405			26	
				265		0,1	264	SAL			
154	S24 10,6765	W046 28,1100	8,45		364.120		364.669			26	
				162		0,1	163	SAL			
155	S24 10,6715	W046 28,2060	14,58		364.282		364.832			26	
				156		0,1	156	SAL			
156	S24 10,6457	W046 28,2933	15,65		364.438		364.988			26	
				182		0,1	182	SAL			
157	S24 10,5911	W046 28,3832	15,35		364.620		365.170			26	
				177		0,1	177	SAL			
158	S24 10,5189	W046 28,4519	12,67		364.797		365.347			25	
				217		0,1	218	SAL			
159	S24 10,4155	W046 28,5131	8,74		365.014		365.565			25	
				3.087		0,1	3.090	SAL			
160	S24 08,8414	W046 29,1286	2,99		368.101		368.655			20	
				5.488		0,1	5.493	SAL			
161	S24 05,9946	W046 30,0619	-6,87		373.589		374.148			15	
				201		0,1	201	SAL			
162	S24 05,8953	W046 30,1092			373.790		374.349			15	
				104		2	106	DA			
163	S24 05,8436	W046 30,1338			373.894		374.455			15	Planned position (TBC after Pre-Lay shore end)
				367		2	375	DA			
164	S24 05,6614	W046 30,2206			374.261		374.830			14	
				2.829		2	2.885	DA			
165	S24 04,2574	W046 30,8893			377.090		377.715			11	
				89		2	91	DA			
166	S24 04,2130	W046 30,9104			377.179		377.806			11	
				642		2	655	DA			
167	S24 03,8943	W046 31,0622			377.821		378.461			10	
				1.535		2	1.565	DA			
168	S24 03,1326	W046 31,4249			379.356		380.026			0	Provisional
				175		1,91	179	DA			
169	S24 03,0454	W046 31,4664			379.531		380.205			0	Praia Grande Assy: Start of cable allowance
				0		N/A	50	DA			Cable Allowance
	S24 03,0454	W046 31,4664			379.531		380.255			0	Praia Grande BMH

