

**Anexo III-1 - Coordenadas Geográficas da rota de instalação
do cabo BRUSA em águas brasileiras Segmentos 5, 6 e 7**

Ponto N°	Comentários	Latitude			Longitude			Ajuste de Curso	Brg (°)	Alteração de Curso (- P + S)	Profundidade (m)	Dist. trecho (km)	Dist. KP acumulada (km)	Dist. KP Reversa (km)	Tipo de Cabo	Folga superf. (%)	Cabo trecho (km)	Cabo acumulado (km)	Cabo por tipo (km)
1	BUZ (PUERTO RICO)	21	24,2237	N	062	47,3589	W				5680		0,000	4030,935				0,000	
									108,3°			11,055			LWP-20	3,12%	11,400		
2	TR LWP-20/LW-17	21	22,3383	N	062	41,2876	W				5464		11,055	4019,880				11,400	11,400
									108,3°			25,377			LW-17	3,23%	26,196		
3	AC	21	18,0102	N	062	27,3558	W	AC		11,5° Port	5696		36,432	3994,503				37,596	
									096,8°			12,908			LW-17	3,20%	13,322		
4	AC	21	17,1791	N	062	19,9446	W	AC		4,2° Port	5546		49,340	3981,595				50,918	
									092,6°			17,023			LW-17	3,07%	17,546		
5	AC	21	16,7550	N	062	10,1125	W	AC		20,6° Stbd	5486		66,363	3964,572				68,464	
									113,2°			18,418			LW-17	3,14%	18,995		
6	AC	21	12,8186	N	062	00,3296	W	AC		7,7° Stbd	5616		84,781	3946,154				87,459	
									120,9°			56,247			LW-17	3,39%	58,152		
7	AC	20	57,1708	N	061	32,4576	W	AC		6,7° Stbd	5320		141,028	3889,907				145,611	
									127,6°			36,009			LW-17	3,24%	37,176		
8	AC	20	45,2729	N	061	16,0028	W	AC		6,8° Port	5570		177,037	3853,898				182,787	
									120,8°			40,949			LW-17	3,07%	42,208		
9	MB FZ AIA/EZ ATG	20	33,9097	N	060	55,7502	W				5599		217,986	3812,949				224,995	
									120,8°			14,190			LW-17	3,11%	14,632		
10	CX OOS COLUMBUS 2 SEG C1	20	29,9718	N	060	48,7377	W				5690		232,176	3798,759				239,627	
									120,8°			51,469			LW-17	3,06%	53,044		
11	AC	20	15,6887	N	060	23,3280	W	AC		8,4° Stbd	5436		283,645	3747,290				292,671	
									129,2°			46,429			LW-17	3,10%	47,869		
12	AC	19	59,7794	N	060	02,6865	W	AC		6,6° Port	4895		330,074	3700,861				340,540	
									122,7°			38,264			LW-17	3,05%	39,430		
13	AC	19	48,5849	N	059	44,2301	W	AC		5,5° Port	5052		368,338	3662,597				379,970	
									117,2°			38,929			LW-17	3,12%	40,146		
14	AC	19	38,9407	N	059	24,4114	W	AC		5,3° Stbd	5084		407,267	3623,668				420,116	
									122,5°			34,842			LW-17	3,27%	35,981		

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15	ST 2	19	28,8026	N	059	07,6026	W				5088		442,109	3588,826				456,097	
									122,5°			40,410			LW-17	3,17%	41,690		
16	AC	19	17,0446	N	058	48,1301	W	AC		4,4° Stbd	4940		482,519	3548,416				497,787	
									126,9°			25,565			LW-17	3,35%	26,421		
17	MB EZ ATG/H-SEAS	19	08,7303	N	058	36,4606	W				5435		508,084	3522,851				524,208	
									126,9°			20,327			LW-17	3,13%	20,962		
18	AC	19	02,1195	N	058	27,1890	W	AC		6,0° Port	5539		528,411	3502,524				545,170	
									120,9°			50,791			LW-17	3,23%	52,433		
19	AC	18	47,9951	N	058	02,3573	W	AC		7,2° Port	5692		579,202	3451,733				597,603	
									113,7°			37,801			LW-17	3,06%	38,958		
20	AC	18	39,7581	N	057	42,6649	W	AC		14,0° Stbd	5560		617,003	3413,932				636,561	
									127,7°			12,849			LW-17	3,20%	13,261		
21	ST 2	18	35,5035	N	057	36,8805	W				5140		629,852	3401,083				649,822	
									127,7°			51,646			LW-17	3,13%	53,260		
22	AC	18	18,4021	N	057	13,6546	W	AC		3,7° Port	5567		681,498	3349,437				703,082	
									124,0°			55,581			LW-17	3,19%	57,352		
23	AC	18	01,5517	N	056	47,5262	W	AC		1,2° Port	5450		737,079	3293,856				760,434	
									122,8°			34,108			LW-17	3,20%	35,200		
24	AC	17	51,5296	N	056	31,2920	W	AC		3,0° Stbd	5200		771,187	3259,748				795,634	
									125,8°			36,875			LW-17	3,21%	38,059		
25	ST 2	17	39,8353	N	056	14,3714	W				5570		808,062	3222,873				833,693	
									125,8°			1,436			LW-17	3,00%	1,479		
26	AC	17	39,3799	N	056	13,7129	W	AC		3,6° Port	5570		809,498	3221,437				835,172	
									122,2°			30,465			LW-17	3,39%	31,498		
27	AC	17	30,5784	N	055	59,1420	W	AC		4,7° Port	5554		839,963	3190,972				866,670	
									117,5°			18,169			LW-17	3,26%	18,762		
28	AC	17	26,0340	N	055	50,0359	W	AC		22,9° Stbd	5547		858,132	3172,803				885,432	
									140,4°			16,190			LW-17	3,23%	16,713		
29	AC	17	19,2722	N	055	44,2081	W	AC		15,9° Stbd	5694		874,322	3156,613				902,145	
									156,3°			28,907			LW-17	3,05%	29,787		

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		17	04,9273	N	055	37,6422	W												
30	AC	17	04,9273	N	055	37,6422	W	AC	19,0° Port	5810		903,229	3127,706				931,932		
									137,3°		62,408			LW-17	3,00%	64,281			
31	CX OOS COLUMBUS 1	16	40,0609	N	055	13,8110	W			5780		965,637	3065,298				996,213		
									137,3°		18,450			LW-17	3,00%	19,004			
32	AC	16	32,7093	N	055	06,7755	W	AC	9,5° Port	5780		984,087	3046,848				1015,217		
									127,8°		10,529			LW-17	3,00%	10,845			
33	ST 2	16	29,2133	N	055	02,0972	W			5780		994,616	3036,319				1026,062		
									127,8°		26,795			LW-17	3,12%	27,631			
34	AC	16	20,3166	N	054	50,1984	W	AC	13,3° Port	5654		1021,411	3009,524				1053,693		
									114,4°		38,981			LW-17	3,02%	40,158			
35	AC	16	11,5768	N	054	30,2761	W	AC	8,9° Port	5460		1060,392	2970,543				1093,851		
									105,5°		21,588			LW-17	3,15%	22,268			
36	AC	16	08,4429	N	054	18,6065	W	AC	14,7° Stbd	5495		1081,980	2948,955				1116,119		
									120,2°		19,989			LW-17	3,06%	20,600			
37	AC	16	02,9832	N	054	08,9223	W	AC	2,6° Port	5510		1101,969	2928,966				1136,719		
									117,6°		14,344			LW-17	3,26%	14,812			
38	AC	15	59,3776	N	054	01,7970	W	AC	16,5° Stbd	5510		1116,313	2914,622				1151,531		
									134,1°		16,287			LW-17	3,00%	16,776			
39	AC	15	53,2299	N	053	55,2446	W	AC	17,6° Port	5496		1132,600	2898,335				1168,307		
									116,6°		19,356			LW-17	3,00%	19,936			
40	AC	15	48,5363	N	053	45,5471	W	AC	21,7° Port	5490		1151,956	2878,979				1188,243		
									094,9°		6,608			LW-17	3,00%	6,806			
41	CX IS SEABRAS	15	48,2330	N	053	41,8598	W			5490		1158,564	2872,371				1195,049		
									094,9°		5,934			LW-17	3,00%	6,113			
42	AC	15	47,9606	N	053	38,5484	W	AC	12,8° Stbd	5490		1164,498	2866,437				1201,162		
									107,7°		33,488			LW-17	3,00%	34,493			
43	AC	15	42,4499	N	053	20,6836	W	AC	13,2° Port	5470		1197,986	2832,949				1235,655		
									094,5°		14,183			LW-17	3,00%	14,609			
44	AC	15	41,8516	N	053	12,7686	W	AC	7,9° Stbd	5460		1212,169	2818,766				1250,264		
									102,4°		14,338			LW-17	3,31%	14,812			

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		15	40,1843	N	053	04,9308	W												
45	AC	15	40,1843	N	053	04,9308	W	AC	11,3° Stbd	5410		1226,507	2804,428				1265,076		
									113,6°			23,112		LW-17	3,13%	23,837			
46	AC	15	35,1600	N	052	53,0830	W	AC	15,9° Port	5148		1249,619	2781,316				1288,913		
									097,8°			6,446		LW-17	3,11%	6,647			
47	CX IS GLOBENET S4	15	34,6882	N	052	49,5099	W			5313		1256,065	2774,870				1295,560		
									097,8°			5,535		LW-17	3,08%	5,705			
48	AC	15	34,2832	N	052	46,4421	W	AC	11,5° Stbd	5200		1261,600	2769,335				1301,265		
									109,2°			10,574		LW-17	3,19%	10,911			
49	AC	15	32,3934	N	052	40,8584	W	AC	6,1° Stbd	5420		1272,174	2758,761				1312,176		
									115,3°			21,701		LW-17	3,31%	22,420			
50	AC	15	27,3648	N	052	29,8868	W	AC	15,5° Stbd	5047		1293,875	2737,060				1334,596		
									130,8°			48,646		LW-17	3,36%	50,281			
51	ST 2	15	10,1329	N	052	09,3096	W			5370		1342,521	2688,414				1384,877		
									130,8°			8,606		LW-17	3,01%	8,865			
52	AC	15	07,0844	N	052	05,6722	W	AC	1,9° Stbd	5283		1351,127	2679,808				1393,742		
									132,7°			49,802		LW-17	3,89%	51,738			
53	AC	14	48,7833	N	051	45,2442	W	AC	6,7° Port	5149		1400,929	2630,006				1445,480		
									126,0°			22,862		LW-17	3,32%	23,621			
54	TR LW-17/LWP-17	14	41,4991	N	051	34,9362	W			4576		1423,791	2607,144				1469,101	1457,701	
									126,0°			1,395		LWP-17	3,00%	1,437			
55	AC	14	41,0545	N	051	34,3072	W	AC	2,1° Stbd	4580		1425,186	2605,749				1470,538		
									128,0°			19,751		LWP-17	4,27%	20,595			
56	TR LWP-17/LW-17	14	34,4533	N	051	25,6445	W			4890		1444,937	2585,998				1491,133	22,032	
									128,0°			0,324		LW-17	3,00%	0,333			
57	AC	14	34,3454	N	051	25,5028	W	AC	11,8° Stbd	4890		1445,261	2585,674				1491,466		
									139,9°			17,065		LW-17	3,04%	17,584			
58	AC	14	27,2711	N	051	19,3788	W	AC	9,4° Port	4561		1462,326	2568,609				1509,050		
									130,5°			107,542		LW-17	3,13%	110,908			
59	AC	13	49,4004	N	050	33,9299	W	AC	8,3° Stbd	5130		1569,868	2461,067				1619,958		
									138,7°			50,915		LW-17	3,65%	52,774			

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60	AC	13	28,6413	N	050	15,3128	W	AC	7,5° Port	4630		1620,783	2410,152				1672,732		
									131,3°		48,425			LW-17	3,17%	49,962			
61	AC	13	11,3125	N	049	55,1602	W	AC	5,1° Port	5050		1669,208	2361,727				1722,694		
									126,2°		20,548			LW-17	3,00%	21,164			
62	AC	13	04,7289	N	049	45,9860	W	AC	11,0° Stbd	5050		1689,756	2341,179				1743,858		
									137,3°		8,453			LW-17	3,05%	8,711			
63	AC	13	01,3626	N	049	42,8119	W	AC	12,1° Port	4879		1698,209	2332,726				1752,569		
									125,2°		11,092			LW-17	3,85%	11,519			
64	AC	12	57,8990	N	049	37,7963	W	AC	4,4° Stbd	4700		1709,301	2321,634				1764,088		
									129,5°		13,472			LW-17	3,27%	13,912			
65	AC	12	53,2475	N	049	32,0519	W	AC	3,2° Stbd	4540		1722,773	2308,162				1778,000		
									132,7°		74,910			LW-17	3,15%	77,272			
66	AC	12	25,6771	N	049	01,6616	W	AC	6,6° Port	4640		1797,683	2233,252				1855,272		
									126,2°		28,269			LW-17	3,07%	29,136			
67	AC	12	16,6317	N	048	49,0697	W	AC	4,6° Stbd	4652		1825,952	2204,983				1884,408		
									130,7°		57,400			LW-17	3,21%	59,244			
68	AC	11	56,3179	N	048	25,0946	W	AC	8,1° Stbd	4500		1883,352	2147,583				1943,652		
									138,8°		17,900			LW-17	3,11%	18,457			
69	AC	11	49,0139	N	048	18,6003	W	AC	9,6° Port	4928		1901,252	2129,683				1962,109		
									129,2°		16,744			LW-17	3,06%	17,255			
70	AC	11	43,2800	N	048	11,4527	W	AC	11,4° Port	5040		1917,996	2112,939				1979,364		
									117,8°		15,761			LW-17	3,00%	16,235			
71	AC	11	39,2937	N	048	03,7796	W	AC	10,0° Stbd	5040		1933,757	2097,178				1995,599		
									127,8°		9,526			LW-17	3,70%	9,878			
72	AC	11	36,1273	N	047	59,6380	W	AC	9,9° Stbd	4402		1943,283	2087,652				2005,477		
									137,7°		9,760			LW-17	3,92%	10,142			
73	AC	11	32,2108	N	047	56,0259	W	AC	15,8° Port	4950		1953,043	2077,892				2015,619		
									122,0°		103,501			LW-17	3,00%	106,607			
74	AC	11	02,4891	N	047	07,7712	W	AC	10,8° Stbd	4940		2056,544	1974,391				2122,226		
									132,7°		89,601			LW-17	3,07%	92,355			

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75	AC	10	29,5037	N	046	31,6711	W	AC	5,5° Stbd	4861		2146,145	1884,790				2214,581		
									138,2°		18,415			LW-17	3,00%	18,967			
76	AC	10	22,0555	N	046	24,9472	W	AC	17,4° Port	4878		2164,560	1866,375				2233,548		
									120,9°		20,669			LW-17	3,00%	21,290			
77	AC	10	16,3037	N	046	15,2280	W	AC	2,4° Stbd	4900		2185,229	1845,706				2254,838		
									123,3°		38,308			LW-17	3,00%	39,457			
78	AC	10	04,9088	N	045	57,6875	W	AC	1,7° Port	4890		2223,537	1807,398				2294,295		
									121,6°		43,425			LW-17	3,00%	44,728			
79	AC	09	52,5804	N	045	37,4391	W	AC	13,7° Stbd	4880		2266,962	1763,973				2339,023		
									135,2°		41,056			LW-17	3,00%	42,289			
80	AC	09	36,7659	N	045	21,6306	W	AC	3,6° Port	4850		2308,018	1722,917				2381,312		
									131,7°		49,344			LW-17	3,00%	50,824			
81	AC	09	18,9635	N	045	01,4975	W	AC	3,9° Port	4860		2357,362	1673,573				2432,136		
									127,7°		53,412			LW-17	3,23%	55,135			
82	AC	09	01,2251	N	044	38,4411	W	AC	7,1° Port	4830		2410,774	1620,161				2487,271		
									120,6°		34,908			LW-17	3,00%	35,955			
83	AC	08	51,5738	N	044	22,0553	W	AC	6,0° Stbd	4830		2445,682	1585,253				2523,226		
									126,6°		35,805			LW-17	3,00%	36,879			
84	AC	08	39,9883	N	044	06,3839	W	AC	21,0° Stbd	4830		2481,487	1549,448				2560,105		
									147,6°		14,042			LW-17	3,00%	14,464			
85	AC	08	33,5577	N	044	02,2805	W	AC	10,9° Port	4830		2495,529	1535,406				2574,569		
									136,7°		19,157			LW-17	3,00%	19,732			
86	AC	08	25,9954	N	043	55,1193	W	AC	8,2° Stbd	4830		2514,686	1516,249				2594,301		
									144,8°		10,725			LW-17	3,49%	11,099			
87	AC	08	21,2391	N	043	51,7541	W	AC	26,7° Port	4518		2525,411	1505,524				2605,400		
									118,2°		27,249			LW-17	3,12%	28,099			
88	AC	08	14,2601	N	043	38,6711	W	AC	1,5° Stbd	4830		2552,660	1478,275				2633,499		
									119,7°		17,596			LW-17	3,00%	18,125			
89	AC	08	09,5325	N	043	30,3471	W	AC	7,1° Stbd	4830		2570,256	1460,679				2651,624		
									126,8°		55,027			LW-17	3,02%	56,690			

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90	AC	07	51,6650	N	043	06,3542	W	AC		11,0° Stbd	4820		2625,283	1405,652				2708,314	
									137,8°			24,291			LW-17	3,04%	25,028		
91	AC	07	41,9067	N	042	57,4744	W	AC		9,3° Port	4813		2649,574	1381,361				2733,342	
									128,5°			23,071			LW-17	3,00%	23,763		
92	FS FINAL SPLICE	07	34,1155	N	042	47,6556	W				4820		2672,645	1358,290				2757,105	
									128,5°			0,000			LW-17	N/A	7,250		
93	CABLE ALLOWANCE	07	34,1155	N	042	47,6556	W				4820		2672,645	1358,290				2764,355	
									128,5°			26,491			LW-17	3,00%	27,286		
94	AC	07	25,1694	N	042	36,3850	W	AC		6,7° Stbd	4820		2699,136	1331,799				2791,641	
									135,2°			44,353			LW-17	3,01%	45,687		
95	AC	07	08,0929	N	042	19,4065	W	AC		10,8° Stbd	4700		2743,489	1287,446				2837,328	
									146,0°			11,191			LW-17	3,10%	11,539		
96	AC	07	03,0586	N	042	16,0082	W	AC		11,9° Port	4438		2754,680	1276,255				2848,867	
									134,1°			81,018			LW-17	3,02%	83,464		
97	AC	06	32,4621	N	041	44,4361	W	AC		1,5° Stbd	4650		2835,698	1195,237				2932,331	
									135,6°			27,215			LW-17	3,00%	28,032		
98	AC	06	21,9040	N	041	34,1166	W	AC		4,1° Stbd	4710		2862,913	1168,022				2960,363	
									139,7°			17,923			LW-17	3,03%	18,467		
99	AC	06	14,4875	N	041	27,8307	W	AC		6,0° Port	4640		2880,836	1150,099				2978,830	
									133,7°			70,563			LW-17	3,03%	72,702		
100	AC	05	48,0155	N	041	00,2036	W	AC		2,1° Stbd	4700		2951,399	1079,536				3051,532	
									135,8°			33,009			LW-17	3,00%	33,999		
101	AC	05	35,1761	N	040	47,7386	W	AC		4,7° Stbd	4700		2984,408	1046,527				3085,531	
									140,4°			44,590			LW-17	3,04%	45,945		
102	AC	05	16,5217	N	040	32,3662	W	AC		7,5° Port	4581		3028,998	1001,937				3131,476	
									133,0°			33,187			LW-17	3,00%	34,184		
103	AC	05	04,2517	N	040	19,2209	W	AC		1,5° Stbd	4662		3062,185	968,750				3165,660	
									134,4°			65,013			LW-17	3,13%	67,050		
104	AC	04	39,5624	N	039	54,1037	W	AC		6,0° Stbd	4561		3127,198	903,737				3232,710	
									140,4°			30,479			LW-17	3,00%	31,394		

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Ponto N°	Comentários	Latitude			Longitude			Ajuste de Curso	Brg (°)	Alteração de Curso (- P + S)	Profundidade (m)	Dist. trecho (km)	Dist. KP acumulada (km)	Dist. KP Reversa (km)	Tipo de Cabo	Folga superf. (%)	Cabo trecho (km)	Cabo acumulado (km)	Cabo por tipo (km)
		04	26,8193	N	039	43,6003	W												
105	AC	04	26,8193	N	039	43,6003	W	AC	5,7° Port	4630		3157,677	873,258				3264,104		
									134,8°		15,595			LW-17	3,00%	16,063			
106	AC	04	20,8614	N	039	37,6143	W	AC	4,7° Port	4640		3173,272	857,663				3280,167		
									130,0°		16,703			LW-17	3,00%	17,205			
107	AC	04	15,0332	N	039	30,7002	W	AC	12,4° Stbd	4635		3189,975	840,960				3297,372		
									142,4°		29,421			LW-17	3,05%	30,317			
108	AC	04	02,3908	N	039	20,9929	W	AC	6,6° Port	4364		3219,396	811,539				3327,689		
									135,8°		64,146			LW-17	3,05%	66,105			
109	AC	03	37,4584	N	038	56,8148	W	AC	3,6° Port	4440		3283,542	747,393				3393,794		
									132,2°		34,805			LW-17	3,02%	35,855			
110	AC	03	24,7808	N	038	42,8847	W	AC	3,9° Port	4546		3318,347	712,588				3429,649		
									128,2°		18,642			LW-17	3,00%	19,202			
111	AC	03	18,5185	N	038	34,9799	W	AC	12,8° Stbd	4546		3336,989	693,946				3448,851		
									141,0°		37,583			LW-17	3,09%	38,744			
112	AC	03	02,6658	N	038	22,2184	W	AC	9,6° Stbd	4540		3374,572	656,363				3487,595		
									150,6°		36,538			LW-17	3,04%	37,649			
113	AC	02	45,3852	N	038	12,5527	W	AC	10,8° Port	4370		3411,110	619,825				3525,244		
									139,8°		35,323			LW-17	3,08%	36,411			
114	AC	02	30,7428	N	038	00,2542	W	AC	12,7° Port	4470		3446,433	584,502				3561,655		
									127,1°		32,534			LW-17	3,00%	33,511			
115	AC	02	20,0845	N	037	46,2632	W	AC	14,7° Stbd	4413		3478,967	551,968				3595,166		
									141,8°		33,416			LW-17	3,03%	34,430			
116	AC	02	05,8381	N	037	35,1140	W	AC	14,6° Stbd	4173		3512,383	518,552				3629,596		
									156,4°		18,450			LW-17	3,02%	19,008			
117	AC	01	56,6674	N	037	31,1230	W	AC	16,3° Port	4492		3530,833	500,102				3648,604		
									140,1°		10,204			LW-17	3,00%	10,510			
118	AC	01	52,4222	N	037	27,5900	W	AC	17,5° Port	4500		3541,037	489,898				3659,114		
									122,6°		24,840			LW-17	3,01%	25,586			
119	AC	01	45,1681	N	037	16,3004	W	AC	15,3° Stbd	4425		3565,877	465,058				3684,700		
									137,8°		12,120			LW-17	3,05%	12,490			

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		01	40,2927	N	037	11,9141	W												
120	AC	01	40,2927	N	037	11,9141	W	AC		12,9° Stbd	4350		3577,997	452,938				3697,190	
									150,8°			14,905			LW-17	3,01%	15,354		
121	AC	01	33,2344	N	037	07,9900	W	AC		8,6° Port	4284		3592,902	438,033				3712,544	
									142,1°			79,275			LW-17	3,03%	81,680		
122	AC	00	59,2744	N	036	41,7571	W	AC		3,0° Stbd	4508		3672,177	358,758				3794,224	
									145,1°			175,709			LW-17	3,00%	180,980		
123	AC	00	18,9296	S	035	47,5813	W	AC		10,4° Port	4530		3847,886	183,049				3975,204	
									134,7°			44,012			LW-17	3,00%	45,333		
124	AC	00	35,7266	S	035	30,7182	W	AC		11,9° Stbd	4510		3891,898	139,037				4020,537	
									146,6°			36,368			LW-17	3,00%	37,459		
125	MB H-SEAS/EZ BRA	00	52,2062	S	035	19,9336	W				4466		3928,266	102,669				4057,996	
									146,6°			0,075			LW-17	3,00%	0,078		
126	ST 1	00	52,2403	S	035	19,9113	W				4466		3928,341	102,594				4058,074	
									146,6°			41,920			LW-17	3,00%	43,177		
127	AC	01	11,2354	S	035	07,4795	W	AC		10,1° Port	4390		3970,261	60,674				4101,251	
									136,5°			18,381			LW-17	3,00%	18,933		
128	AC	01	18,4703	S	035	00,6579	W	AC		9,0° Port	4357		3988,642	42,293				4120,184	
									127,5°			19,666			LW-17	3,00%	20,255		
129	AC	01	24,9698	S	034	52,2492	W	AC		18,0° Stbd	4304		4008,308	22,627				4140,439	
									145,5°			13,890			LW-17	3,00%	14,307		
130	TR LW-17/LWP-20	01	31,1841	S	034	48,0116	W				4270		4022,198	8,737				4154,746	2663,613
									145,5°			8,737			LWP-20	3,00%	9,000		
131	BU3 (FORTALEZA)	01	35,0931	S	034	45,3459	W				4250		4030,935	0,000				4163,746	9,000

Trecho em águas brasileiras

Cable Type	Length
LWP-20	20,400
LW-17	4121,314
LWP-17	22,032
TOTAL	4163,746

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		03	44,1730	S	038	27,2750	W												
1	BMH FORTALEZA	03	44,1730	S	038	27,2750	W			0		0,000	583,125				0,000		
									070,7°		0,000			MDA-17	N/A	0,050			
2	CABLE ALLOWANCE	03	44,1730	S	038	27,2750	W			0		0,000	583,125				0,050		
									070,7°		0,012			MDA-17	0,80%	0,012			
3	DUCT END (PROP)	03	44,1708	S	038	27,2689	W	AC		1,6° Stbd	0	0,012	583,113				0,062		
									072,3°		0,050			MDA-17	0,80%	0,051			
4	AC	03	44,1626	S	038	27,2431	W	AC		17,1° Port	0	0,062	583,063				0,113		
									055,2°		0,010			MDA-17	0,80%	0,010			
5	AC	03	44,1595	S	038	27,2387	W	AC		30,4° Port	0	0,072	583,053				0,123		
									024,8°		0,004			MDA-17	0,80%	0,004			
6	CX IS SAM SEG F	03	44,1573	S	038	27,2377	W			0		0,076	583,049				0,127		
									024,8°		0,023			MDA-17	0,80%	0,023			
7	CX IS SAM SEG G	03	44,1462	S	038	27,2326	W			0		0,099	583,026				0,150		
									024,8°		0,006			MDA-17	0,80%	0,006			
8	AC	03	44,1431	S	038	27,2311	W	AC		20,8° Stbd	0	0,105	583,020				0,156		
									045,5°		0,013			MDA-17	0,80%	0,013			
9	AC	03	44,1384	S	038	27,2263	W	AC		22,2° Stbd	0	0,118	583,007				0,169		
									067,8°		0,007			MDA-17	0,80%	0,007			
10	WD 0	03	44,1368	S	038	27,2225	W			0		0,125	583,000				0,176		
									067,8°		0,592			MDA-17	0,82%	0,596			
11	WD 10	03	44,0155	S	038	26,9270	W			10		0,717	582,408				0,772		
									067,8°		0,039			MDA-17	0,80%	0,040			
12	END AP	03	44,0074	S	038	26,9073	W			10		0,756	582,369				0,812		
									067,8°		0,234			MDA-17	0,80%	0,237			
13	WD 12	03	43,9593	S	038	26,7900	W			12		0,990	582,135				1,049		
									067,8°		0,238			MDA-17	0,80%	0,239			

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		03	43,9105	S	038	26,6712	W												
14	AC	03	43,9105	S	038	26,6712	W	AC	11,9° Port	13		1,228	581,897				1,288		
									055,9°		0,114			MDA-17	0,80%	0,115			
15	AC	03	43,8757	S	038	26,6200	W	AC	17,0° Port	13		1,342	581,783				1,403		
									038,9°		0,112			MDA-17	0,80%	0,112			
16	AC	03	43,8288	S	038	26,5824	W	AC	13,7° Port	14		1,454	581,671				1,515		
									025,2°		0,139			MDA-17	0,80%	0,140			
17	CX IS AF GLOBENET S3	03	43,7605	S	038	26,5504	W			14		1,593	581,532				1,655		
									025,2°		0,016			MDA-17	0,80%	0,017			
18	CX IS GLOBENET SEG 3	03	43,7523	S	038	26,5466	W			14		1,609	581,516				1,672		
									025,2°		0,110			MDA-17	0,80%	0,111			
19	AC	03	43,6983	S	038	26,5213	W	AC	24,6° Stbd	14		1,719	581,406				1,783		
									049,8°		0,131			MDA-17	0,80%	0,132			
20	WD 15	03	43,6526	S	038	26,4675	W			15		1,850	581,275				1,915		
									049,8°		0,170			MDA-17	0,80%	0,172			
21	AC	03	43,5928	S	038	26,3971	W	AC	14,5° Stbd	15		2,020	581,105				2,087		
									064,3°		0,212			MDA-17	0,80%	0,213			
22	AC	03	43,5430	S	038	26,2944	W	AC	5,9° Stbd	15		2,232	580,893				2,300		
									070,2°		0,383			MDA-17	0,80%	0,386			
23	PLDN	03	43,4725	S	038	26,0996	W			15		2,615	580,510				2,686		
									070,2°		0,002			MDA-17	0,80%	0,002			
24	SC 0.2%	03	43,4721	S	038	26,0984	W			15		2,617	580,508				2,688		
									070,2°		4,018			MDA-17	0,20%	4,026			
25	AC	03	42,7329	S	038	24,0571	W	AC	1,9° Port	17		6,635	576,490				6,714		
									068,2°		0,494			MDA-17	0,20%	0,495			
26	TR MDA-17/SAL-17	03	42,6336	S	038	23,8093	W			17		7,129	575,996				7,209	7,209	
									068,2°		1,000			SAL-17	0,20%	1,002			

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		03	42,4325	S	038	23,3075	W												
27	CX IS AMERICAS 1 S4	03	42,4325	S	038	23,3075	W			15		8,129	574,996				8,211		
								068,2°			0,056			SAL-17	0,20%	0,056			
28	AC	03	42,4212	S	038	23,2793	W	AC	5,8° Port	15		8,185	574,940				8,267		
								062,4°			1,297			SAL-17	0,20%	1,300			
29	AC	03	42,0955	S	038	22,6584	W	AC	2,6° Stbd	15		9,482	573,643				9,567		
								065,0°			2,351			SAL-17	0,20%	2,356			
30	AC	03	41,5572	S	038	21,5070	W	AC	4,2° Port	21		11,833	571,292				11,923		
								060,9°			1,929			SAL-17	0,20%	1,932			
31	AC	03	41,0480	S	038	20,5972	W	AC	16,4° Port	21		13,762	569,363				13,855		
								044,5°			0,215			SAL-17	0,20%	0,215			
32	CX OOS TELEGRAPH	03	40,9648	S	038	20,5158	W			21		13,977	569,148				14,070		
								044,5°			3,086			SAL-17	0,20%	3,093			
33	AC	03	39,7705	S	038	19,3473	W	AC	11,1° Port	18		17,063	566,062				17,163		
								033,4°			1,325			SAL-17	0,20%	1,328			
34	AC	03	39,1700	S	038	18,9533	W	AC	9,7° Port	22		18,388	564,737				18,491		
								023,7°			1,426			SAL-17	0,20%	1,429			
35	AC	03	38,4616	S	038	18,6438	W	AC	8,2° Stbd	24		19,814	563,311				19,920		
								031,9°			1,347			SAL-17	0,21%	1,350			
36	AC	03	37,8408	S	038	18,2597	W	AC	4,7° Stbd	26		21,161	561,964				21,270		
								036,6°			0,618			SAL-17	0,20%	0,618			
37	CX OOS TELEGRAPH	03	37,5719	S	038	18,0610	W			26		21,779	561,346				21,888		
								036,6°			2,839			SAL-17	0,20%	2,845			
38	MB TW BRA/CZ BRA	03	36,3349	S	038	17,1468	W			26		24,618	558,507				24,733		
								036,6°			1,264			SAL-17	0,20%	1,267			
39	R6001	03	35,7842	S	038	16,7398	W			30		25,882	557,243				26,000		
								036,6°			2,525			SAL-17	0,20%	2,530			

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		03	34,6841	S	038	15,9268	W												
40	CX PLN SACS	03	34,6841	S	038	15,9268	W			27		28,407	554,718				28,530		
								036,6°			8,547			SAL-17	0,20%	8,564			
41	AC	03	30,9610	S	038	13,1755	W	AC	9,5° Port	38		36,954	546,171				37,094		
								027,1°			2,020			SAL-17	0,20%	2,025			
42	AC	03	29,9851	S	038	12,6786	W	AC	7,4° Stbd	38		38,974	544,151				39,119		
								034,5°			2,071			SAL-17	0,20%	2,074			
43	AC	03	29,0587	S	038	12,0459	W	AC	8,6° Stbd	38		41,045	542,080				41,193		
								043,1°			2,395			SAL-17	0,20%	2,400			
44	AC	03	28,1093	S	038	11,1630	W	AC	7,0° Port	42		43,440	539,685				43,593		
								036,0°			4,479			SAL-17	0,20%	4,489			
45	MB CZ BRA/EZ BRA	03	26,1441	S	038	09,7396	W			54		47,919	535,206				48,082		
								036,0°			5,795			SAL-17	0,20%	5,806			
46	ST 5	03	23,6020	S	038	07,8985	W			66		53,714	529,411				53,888		
								036,0°			0,635			SAL-17	0,20%	0,636			
47	AC	03	23,3234	S	038	07,6967	W	AC	5,4° Port	69		54,349	528,776				54,524		
								030,7°			0,174			SAL-17	0,20%	0,175			
48	TR SAL-17/MDA-17	03	23,2420	S	038	07,6486	W			70		54,523	528,602				54,699	47,490	
								030,7°			0,499			MDA-17	0,24%	0,500			
49	PLUP (SLOPES)	03	23,0093	S	038	07,5113	W			81		55,022	528,103				55,199		
								030,7°			0,790			MDA-17	7,47%	0,849			
50	AC	03	22,6404	S	038	07,2934	W	AC	4,1° Port	362		55,812	527,313				56,048		
								026,5°			1,001			MDA-17	1,21%	1,013			
51	PLDN	03	22,1546	S	038	07,0520	W			498		56,813	526,312				57,061		
								026,5°			0,498			MDA-17	0,46%	0,500			
52	TR MDA-17/SAL-17	03	21,9131	S	038	06,9320	W			534		57,311	525,814				57,561	2,862	
								026,5°			1,731			SAL-17	0,47%	1,740			

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Ponto N°	Comentários	Latitude			Longitude			Ajuste de Curso	Brg (°)	Alteração de Curso (- P + S)	Profundidade (m)	Dist. trecho (km)	Dist. KP acumulada (km)	Dist. KP Reversa (km)	Tipo de Cabo	Folga superf. (%)	Cabo trecho (km)	Cabo acumulado (km)	Cabo por tipo (km)
		03	21,0725	S	038	06,5142	W												
53	AC	03	21,0725	S	038	06,5142	W	AC	4,6° Stbd	655		59,042	524,083				59,301		
									031,1°		0,743			SAL-17	1,21%	0,751			
54	PLUP (SLOPES)	03	20,7276	S	038	06,3070	W			753		59,785	523,340				60,052		
									031,1°		0,002			SAL-17	1,10%	0,003			
55	SC 0.5%	03	20,7265	S	038	06,3063	W			754		59,787	523,338				60,055		
									031,1°		1,992			SAL-17	2,45%	2,040			
56	AC	03	19,8014	S	038	05,7506	W	AC	13,7° Stbd	884		61,779	521,346				62,095		
									044,8°		2,207			SAL-17	2,14%	2,255			
57	AC	03	18,9510	S	038	04,9113	W	AC	2,2° Stbd	1212		63,986	519,139				64,350		
									047,0°		2,286			SAL-17	1,55%	2,321			
58	WD 1500	03	18,1049	S	038	04,0091	W			1500		66,272	516,853				66,671		
									047,0°		0,002			SAL-17	2,08%	0,002			
59	SC 1.0%	03	18,1041	S	038	04,0082	W			1500		66,274	516,851				66,673		
									047,0°		1,454			SAL-17	2,02%	1,483			
60	AC	03	17,5660	S	038	03,4344	W	AC	9,9° Port	1675		67,728	515,397				68,156		
									037,1°		0,846			SAL-17	1,43%	0,858			
61	TR SAL-17/LWP-17	03	17,1996	S	038	03,1592	W			1742		68,574	514,551				69,014	11,453	
									037,1°		0,001			LWP-17	1,05%	0,002			
62	SC 3.0%	03	17,1989	S	038	03,1587	W			1743		68,575	514,550				69,016		
									037,1°		3,809			LWP-17	3,13%	3,928			
63	ST 3	03	15,5494	S	038	01,9197	W			1905		72,384	510,741				72,944		
									037,1°		0,888			LWP-17	3,08%	0,915			
64	R6002	03	15,1650	S	038	01,6309	W			1941		73,272	509,853				73,859		
									037,1°		10,261			LWP-17	3,02%	10,571			
65	AC	03	10,7214	S	037	58,2933	W	AC	30,4° Port	2189		83,533	499,592				84,430		
									006,7°		4,945			LWP-17	3,00%	5,093			

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66	AC	03	08,0565	S	037	57,9842	W	AC	23,4° Port	2273		88,478	494,647				89,523		
									343,2°		2,866			LWP-17	3,00%	2,952			
67	CX IS ATLANTIS 2 S4	03	06,5674	S	037	58,4306	W			2311		91,344	491,781				92,475		
									343,2°		3,028			LWP-17	3,00%	3,119			
68	AC	03	04,9941	S	037	58,9022	W	AC	10,4° Stbd	2352		94,372	488,753				95,594		
									353,6°		2,919			LWP-17	3,00%	3,006			
69	ST 3	03	03,4202	S	037	59,0783	W			2392		97,291	485,834				98,600		
									353,6°		3,864			LWP-17	3,00%	3,980			
70	CX OOS TELEGRAPH	03	01,3370	S	037	59,3114	W			2453		101,155	481,970				102,580		
									353,6°		4,810			LWP-17	3,00%	4,954			
71	AC	02	58,7431	S	037	59,6017	W	AC	6,6° Stbd	2522		105,965	477,160				107,534		
									000,2°		11,759			LWP-17	2,99%	12,111			
72	AC	02	52,3628	S	037	59,5851	W	AC	14,9° Port	2625		117,724	465,401				119,645		
									345,3°		5,902			LWP-17	3,00%	6,078			
73	AC	02	49,2655	S	038	00,3941	W	AC	25,2° Port	2717		123,626	459,499				125,723		
									320,1°		2,355			LWP-17	3,00%	2,426			
74	CX PLN SAILS	02	48,2858	S	038	01,2101	W			2704		125,981	457,144				128,149		
									320,1°		3,662			LWP-17	3,47%	3,789			
75	AC	02	46,7625	S	038	02,4788	W	AC	9,7° Port	2470		129,643	453,482				131,938		
									310,4°		6,091			LWP-17	3,05%	6,277			
76	AC	02	44,6219	S	038	04,9833	W	AC	13,9° Stbd	2617		135,734	447,391				138,215		
									324,2°		3,336			LWP-17	2,99%	3,436			
77	R6003	02	43,1527	S	038	06,0350	W			2650		139,070	444,055				141,651		
									324,2°		3,635			LWP-17	3,01%	3,744			
78	AC	02	41,5521	S	038	07,1809	W	AC	22,4° Stbd	2579		142,705	440,420				145,395		
									346,6°		7,118			LWP-17	3,36%	7,357			

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79	AC	02	37,7945	S	038	08,0691	W	AC		11,9° Stbd	2190		149,823	433,302				152,752	
									358,5°			5,338			LWP-17	3,04%	5,500		
80	AC	02	34,8991	S	038	08,1457	W	AC		21,1° Stbd	2158		155,161	427,964				158,252	
									019,6°			0,885			LWP-17	3,05%	0,912		
81	CX IS MONET	02	34,4467	S	038	07,9857	W				2185		156,046	427,079				159,164	
									019,6°			16,137			LWP-17	3,38%	16,683		
82	AC	02	26,1970	S	038	05,0676	W	AC		16,8° Stbd	2943		172,183	410,942				175,847	
									036,4°			6,274			LWP-17	3,04%	6,464		
83	AC	02	23,4552	S	038	03,0615	W	AC		25,7° Stbd	3070		178,457	404,668				182,311	
									062,1°			3,562			LWP-17	2,99%	3,669		
84	TR LWP-17/LW-17	02	22,5497	S	038	01,3637	W				3094		182,019	401,106				185,980	116,966
									062,1°			2,318			LW-17	2,99%	2,388		
85	CX OOS TELEGRAPH	02	21,9605	S	038	00,2588	W				3104		184,337	398,788				188,368	
									062,1°			5,736			LW-17	2,99%	5,906		
86	AC	02	20,5028	S	037	57,5255	W	AC		14,1° Stbd	3145		190,073	393,052				194,274	
									076,1°			4,956			LW-17	2,99%	5,105		
87	CX IS GLOBENET S3	02	19,8579	S	037	54,9295	W				3168		195,029	388,096				199,379	
									076,1°			8,939			LW-17	2,99%	9,206		
88	AC	02	18,6951	S	037	50,2482	W	AC		8,3° Stbd	3217		203,968	379,157				208,585	
									084,5°			0,833			LW-17	2,99%	0,857		
89	R6004	02	18,6514	S	037	49,8015	W				3222		204,801	378,324				209,442	
									084,5°			17,087			LW-17	2,99%	17,598		
90	AC	02	17,7547	S	037	40,6274	W	AC		7,9° Stbd	3280		221,888	361,237				227,040	
									092,3°			4,368			LW-17	2,99%	4,498		
91	CX IS SAM SEG G	02	17,8504	S	037	38,2731	W				3298		226,256	356,869				231,538	
									092,3°			6,725			LW-17	2,99%	6,926		

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		02		S	037		W												
92	CX IS SAC SEG A	02	17,9979	S	037	34,6485	W				3317		232,981	350,144				238,464	
									092,3°			11,629			LW-17	2,99%	11,976		
93	AC	02	18,2528	S	037	28,3806	W	AC	4,1° Port		3354		244,610	338,515				250,440	
									088,2°			4,247			LW-17	2,99%	4,374		
94	CX OOS TELEGRAPH	02	18,1800	S	037	26,0910	W				3380		248,857	334,268				254,814	
									088,2°			5,954			LW-17	2,99%	6,132		
95	CX IS GLOBENET S4	02	18,0781	S	037	22,8808	W				3398		254,811	328,314				260,946	
									088,2°			3,397			LW-17	2,99%	3,499		
96	ST 2	02	18,0199	S	037	21,0492	W				3404		258,208	324,917				264,445	
									088,2°			12,419			LW-17	2,99%	12,789		
97	R6005	02	17,8072	S	037	14,3537	W				3437		270,627	312,498				277,234	
									088,2°			20,104			LW-17	2,99%	20,705		
98	SEQ	02	17,4628	S	037	03,5144	W				3522		290,731	292,394				297,939	
									088,2°			20,106			LW-17	2,99%	20,706		
99	R6006	02	17,1184	S	036	52,6745	W				3579		310,837	272,288				318,645	
									088,2°			23,083			LW-17	2,99%	23,773		
100	PTEQ	02	16,7230	S	036	40,2291	W				3629		333,920	249,205				342,418	
									088,2°			23,084			LW-17	2,99%	23,773		
101	R6007	02	16,3277	S	036	27,7837	W				3693		357,004	226,121				366,191	
									088,2°			65,825			LW-17	2,99%	67,791		
102	R6008	02	15,2002	S	035	52,2950	W				3834		422,829	160,296				433,982	
									088,2°			1,199			LW-17	2,99%	1,235		
103	AC	02	15,1796	S	035	51,6484	W	AC	8,6° Port		3836		424,028	159,097				435,217	
									079,6°			25,576			LW-17	2,99%	26,340		
104	AC	02	12,6654	S	035	38,0809	W	AC	11,8° Port		3868		449,604	133,521				461,557	
									067,8°			12,074			LW-17	2,99%	12,434		

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		02	10,1883	S	035	32,0522	W												
105	CX IS SEABRAS	02	10,1883	S	035	32,0522	W			3902		461,678	121,447				473,991		
								067,8°			26,516			LW-17	2,99%	27,308			
106	AC	02	04,7478	S	035	18,8124	W	AC	2,7° Stbd	3972		488,194	94,931				501,299		
								070,5°			0,461			LW-17	2,99%	0,475			
107	R6009	02	04,6643	S	035	18,5780	W			3973		488,655	94,470				501,774		
									070,5°		22,015			LW-17	2,99%	22,672			
108	ST 1	02	00,6781	S	035	07,3852	W			4026		510,670	72,455				524,446		
									070,5°		7,683			LW-17	2,99%	7,913			
109	AC	01	59,2869	S	035	03,4790	W	AC	3,1° Stbd	4043		518,353	64,772				532,359		
									073,6°		15,230			LW-17	2,99%	15,685			
110	AC	01	56,9480	S	034	55,6014	W	AC	13,2° Port	4079		533,583	49,542				548,044		
									060,3°		1,477			LW-17	2,99%	1,521			
111	R6010	01	56,5512	S	034	54,9091	W			4083		535,060	48,065				549,565		
									060,3°		12,059			LW-17	2,99%	12,419			
112	AC	01	53,3123	S	034	49,2587	W	AC	26,4° Port	4117		547,119	36,006				561,984		
									034,0°		12,119			LW-17	2,99%	12,481			
113	AC	01	47,8584	S	034	45,6068	W	AC	21,8° Port	4159		559,238	23,887				574,465		
									012,2°		4,952			LW-17	2,99%	5,100			
114	ROADM 3.2	01	45,2317	S	034	45,0447	W			4185		564,190	18,935				579,565		
									012,2°		5,778			LW-17	2,99%	5,951			
115	AC	01	42,1666	S	034	44,3889	W	AC	19,9° Port	4224		569,968	13,157				585,516		
									352,2°		3,932			LW-17	2,99%	4,049			
116	ROADM 3.1	01	40,0528	S	034	44,6749	W			4250		573,900	9,225				589,565		
									352,2°		9,225			LW-17	2,99%	9,500			
117	CABLE ALLOWANCE	01	35,0931	S	034	45,3459	W			4250		583,125	0,000				599,065		
											0,000			LW-17	N/A	0,500			
118	BU3 (FTLZ)	01	35,0931	S	034	45,3459	W			4250		583,125	0,000				599,565	413,585	

Cable Type	Length
MDA-17	10,071
SAL-17	58,943
LWP-17	116,966
LW-17	413,585
TOTAL	599,565

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1	BU3 (FORTALEZA)	01	35,0931	S	034	45,3459	W			4250		0,000	3662,390				0,000		
									121,7°		0,000			LW-17	N/A	0,500			
2	CABLE ALLOWANCE	01	35,0931	S	034	45,3459	W			4250		0,000	3662,390				0,500		
									121,7°		13,130			LW-17	3,00%	13,524			
3	AC	01	38,8339	S	034	39,3205	W	AC	21,5° Port	4263		13,130	3649,260				14,024		
									100,2°		9,812			LW-17	3,00%	10,106			
4	AC	01	39,7729	S	034	34,1128	W	AC	19,2° Stbd	4246		22,942	3639,448				24,130		
									119,4°		11,259			LW-17	3,00%	11,597			
5	AC	01	42,7680	S	034	28,8215	W	AC	10,3° Stbd	4231		34,201	3628,189				35,727		
									129,6°		23,521			LW-17	3,00%	24,226			
6	AC	01	50,9057	S	034	19,0505	W	AC	7,4° Stbd	4237		57,722	3604,668				59,953		
									137,0°		35,638			LW-17	3,01%	36,711			
7	AC	02	05,0426	S	034	05,9363	W	AC	3,4° Stbd	4215		93,360	3569,030				96,664		
									140,4°		71,202			LW-17	3,00%	73,338			
8	AC	02	34,7905	S	033	41,4284	W	AC	3,9° Stbd	4170		164,562	3497,828				170,002		
									144,2°		26,102			LW-17	3,00%	26,885			
9	ST 1	02	46,2793	S	033	33,1918	W			4151		190,664	3471,726				196,887		
									144,2°		30,041			LW-17	3,00%	30,943			
10	AC	02	59,5018	S	033	23,7107	W	AC	8,6° Stbd	4120		220,705	3441,685				227,830		
									152,8°		11,667			LW-17	3,00%	12,016			
11	AC	03	05,1312	S	033	20,8308	W	AC	8,5° Stbd	4120		232,372	3430,018				239,846		
									161,3°		5,907			LW-17	3,00%	6,085			
12	CX IS ATLANTIS 2 SEG 4	03	08,1678	S	033	19,8097	W			4120		238,279	3424,111				245,931		
									161,3°		5,199			LW-17	3,00%	5,356			
13	AC	03	10,8405	S	033	18,9109	W	AC	19,4° Port	4124		243,478	3418,912				251,287		
									141,9°		11,295			LW-17	3,00%	11,633			

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14	AC	03	15,6649	S	033	15,1511	W	AC	11,6° Port	4142		254,773	3407,617				262,920		
									130,3°		16,768			LW-17	3,00%	17,271			
15	AC	03	21,5506	S	033	08,2478	W	AC	13,0° Stbd	4171		271,541	3390,849				280,191		
									143,3°		17,049			LW-17	3,00%	17,561			
16	AC	03	28,9648	S	033	02,7420	W	AC	11,1° Stbd	4198		288,590	3373,800				297,752		
									154,4°		21,204			LW-17	3,00%	21,839			
17	AC	03	39,3375	S	032	57,7885	W	AC	13,4° Stbd	4190		309,794	3352,596				319,591		
									167,7°		10,297			LW-17	3,00%	10,607			
18	CX OOS TELEGRAPH	03	44,7973	S	032	56,6063	W			4190		320,091	3342,299				330,198		
									167,7°		7,948			LW-17	3,00%	8,186			
19	CX OOS TELEGRAPH	03	49,0114	S	032	55,6937	W			4186		328,039	3334,351				338,384		
									167,7°		4,016			LW-17	3,00%	4,137			
20	CX OOS TELEGRAPH	03	51,1407	S	032	55,2326	W			4180		332,055	3330,335				342,521		
									167,7°		1,317			LW-17	3,00%	1,356			
21	CX OOS TELEGRAPH	03	51,8389	S	032	55,0814	W			4171		333,372	3329,018				343,877		
									167,7°		1,659			LW-17	3,00%	1,708			
22	ST 1	03	52,7182	S	032	54,8910	W			4170		335,031	3327,359				345,585		
									167,7°		24,423			LW-17	3,00%	25,157			
23	CX OOS TELEGRAPH	04	05,6675	S	032	52,0861	W			4217		359,454	3302,936				370,742		
									167,7°		13,295			LW-17	3,00%	13,694			
24	AC	04	12,7166	S	032	50,5589	W	AC	7,6° Port	4260		372,749	3289,641				384,436		
									160,1°		42,548			LW-17	3,00%	43,824			
25	CX OOS TELEGRAPH	04	34,4215	S	032	42,7243	W			4372		415,297	3247,093				428,260		
									160,1°		75,272			LW-17	3,00%	77,531			
26	CX OOS TELEGRAPH	05	12,8203	S	032	28,8538	W			4600		490,569	3171,821				505,791		
									160,1°		13,838			LW-17	3,00%	14,253			

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27	CX OOS TELEGRAPH	05	19,8794	S	032	26,3024	W			4632		504,407	3157,983				520,044		
									160,1°		15,121			LW-17	3,00%	15,575			
28	AC	05	27,5930	S	032	23,5138	W	AC	2,3° Port	4652		519,528	3142,862				535,619		
									157,8°		16,507			LW-17	3,00%	17,002			
29	CX OOS TELEGRAPH	05	35,8841	S	032	20,1339	W			4704		536,035	3126,355				552,621		
									157,8°		37,706			LW-17	3,00%	38,838			
30	CX OOS BRACAN 1	05	54,8235	S	032	12,4101	W			4747		573,741	3088,649				591,459		
									157,8°		47,280			LW-17	3,00%	48,699			
31	AC	06	18,5710	S	032	02,7191	W	AC	4,1° Stbd	4824		621,021	3041,369				640,158		
									161,9°		9,485			LW-17	3,01%	9,769			
32	CX OOS ATLANTIS 1	06	23,4623	S	032	01,1214	W			4865		630,506	3031,884				649,927		
									161,9°		33,487			LW-17	3,01%	34,495			
33	AC	06	40,7318	S	031	55,4784	W	AC	5,2° Port	4908		663,993	2998,397				684,422		
									156,7°		7,837			LW-17	3,00%	8,073			
34	CX IS ATLANTIS 2 SEG 3	06	44,6363	S	031	53,7937	W			4950		671,830	2990,560				692,495		
									156,7°		14,392			LW-17	3,00%	14,824			
35	AC	06	51,8060	S	031	50,6995	W	AC	14,1° Stbd	4990		686,222	2976,168				707,319		
									170,8°		54,654			LW-17	3,00%	56,294			
36	AC	07	21,0761	S	031	45,9515	W	AC	5,4° Stbd	5120		740,876	2921,514				763,613		
									176,2°		42,479			LW-17	3,00%	43,754			
37	AC	07	44,0715	S	031	44,4222	W	AC	3,7° Stbd	5117		783,355	2879,035				807,367		
									179,9°		61,754			LW-17	3,00%	63,607			
38	AC	08	17,5738	S	031	44,3731	W	AC	7,7° Stbd	5200		845,109	2817,281				870,974		
									187,6°		14,431			LW-17	3,00%	14,864			
39	TR LW-17/LWP-17	08	25,3339	S	031	45,4117	W			5234		859,540	2802,850				885,838	885,838	
									187,6°		6,334			LWP-17	3,01%	6,525			

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40	AC	08 28,7403 S	031 45,8677 W	AC		9,0° Port	5174		865,874	2796,516				892,363	
					178,6°			4,918			LWP-17	3,03%	5,067		
41	SC 3.5%	08 31,4075 S	031 45,8018 W				5058		870,792	2791,598				897,430	
					178,6°			3,785			LWP-17	3,54%	3,919		
42	AC	08 33,4601 S	031 45,7511 W	AC		12,3° Port	4964		874,577	2787,813				901,349	
					166,3°			9,614			LWP-17	5,39%	10,133		
43	AC	08 38,5270 S	031 44,5075 W	AC		9,7° Port	3315		884,191	2778,199				911,482	
					156,6°			13,376			LWP-17	5,31%	14,086		
44	SC 3.0%	08 45,1878 S	031 41,6136 W				4983		897,567	2764,823				925,568	
					156,6°			1,534			LWP-17	3,01%	1,579		
45	AC	08 45,9513 S	031 41,2819 W	AC		6,9° Stbd	5003		899,101	2763,289				927,147	
					163,5°			3,925			LWP-17	3,01%	4,044		
46	TR LWP-17/LW-17	08 47,9931 S	031 40,6743 W				5041		903,026	2759,364				931,191	45,353
					163,5°			14,651			LW-17	3,00%	15,090		
47	AC	08 55,6144 S	031 38,4061 W	AC		10,6° Stbd	5080		917,677	2744,713				946,281	
					174,1°			12,285			LW-17	3,00%	12,654		
48	MB EZ BRA/H-SEAS	09 02,2431 S	031 37,7131 W				5100		929,962	2732,428				958,935	
					174,1°			6,084			LW-17	3,00%	6,267		
49	AC	09 05,5261 S	031 37,3698 W	AC		13,3° Stbd	5100		936,046	2726,344				965,202	
					187,3°			22,006			LW-17	3,00%	22,666		
50	AC	09 17,3663 S	031 38,9039 W	AC		12,4° Port	5094		958,052	2704,338				987,868	
					175,0°			23,039			LW-17	3,01%	23,732		
51	AC	09 29,8163 S	031 37,8016 W	AC		13,7° Port	5076		981,091	2681,299				1011,600	
					161,2°			30,100			LW-17	3,00%	31,003		
52	AC	09 45,2763 S	031 32,5079 W	AC		8,9° Stbd	5097		1011,191	2651,199				1042,603	
					170,1°			219,681			LW-17	3,00%	226,278		

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53	AC	11	42,6747	S	031	11,8512	W	AC		6,0° Stbd	5290		1230,872	2431,518			1268,881	
									176,1°									
54	TR LW-17/LWP-17	11	43,2933	S	031	11,8085	W		5290				1232,015	2430,375			1270,058	338,867
									176,1°				45,437		LWP-17	3,57%	47,058	
55	AC	12	07,8807	S	031	10,1113	W	AC		5,7° Stbd	5270		1277,452	2384,938			1317,116	
									181,8°				1,080		LWP-17	3,00%	1,113	
56	TR LWP-17/LW-17	12	08,4665	S	031	10,1301	W		5278				1278,532	2383,858			1318,229	48,171
									181,8°				59,806		LW-17	3,00%	61,600	
57	AC	12	40,8872	S	031	11,1721	W	AC		7,2° Port	5200		1338,338	2324,052			1379,829	
									174,6°				28,273		LW-17	3,00%	29,122	
58	AC	12	56,1536	S	031	09,7052	W	AC		9,9° Port	5208		1366,611	2295,779			1408,951	
									164,7°				29,363		LW-17	3,00%	30,244	
59	AC	13	11,5167	S	031	05,4286	W	AC		10,8° Stbd	5194		1395,974	2266,416			1439,195	
									175,5°				24,389		LW-17	3,00%	25,121	
60	TR LW-17/LWP-17	13	24,7031	S	031	04,3762	W		5056				1420,363	2242,027			1464,316	146,087
									175,5°				5,381		LWP-17	3,00%	5,542	
61	AC	13	27,6124	S	031	04,1439	W	AC		17,5° Port	5044		1425,744	2236,646			1469,858	
									158,0°				22,080		LWP-17	3,12%	22,769	
62	AC	13	38,7151	S	030	59,5587	W	AC		19,8° Port	4760		1447,824	2214,566			1492,627	
									138,2°				41,525		LWP-17	3,11%	42,818	
63	AC	13	55,5085	S	030	44,2078	W	AC		16,9° Port	5260		1489,349	2173,041			1535,445	
									121,3°				15,967		LWP-17	3,01%	16,448	
64	AC	14	00,0081	S	030	36,6322	W	AC		23,5° Stbd	5240		1505,316	2157,074			1551,893	
									144,8°				13,963		LWP-17	3,00%	14,381	
65	AC	14	06,1928	S	030	32,1576	W	AC		24,6° Stbd	5290		1519,279	2143,111			1566,274	
									169,4°				23,549		LWP-17	3,01%	24,258	

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66	AC	14 18,7450 S	030 29,7461 W	AC		15,6° Stbd	5150		1542,828	2119,562				1590,532	
					185,0°			25,273			LWP-17	3,01%	26,034		
67	TR LWP-17/LW-17	14 32,3984 S	030 30,9642 W				4874		1568,101	2094,289				1616,566	152,250
					185,0°			37,919			LW-17	3,00%	39,058		
68	AC	14 52,8838 S	030 32,7941 W	AC		11,2° Stbd	4930		1606,020	2056,370				1655,624	
					196,1°			83,788			LW-17	3,00%	86,302		
69	AC	15 36,5290 S	030 45,7935 W	AC		8,7° Stbd	4830		1689,808	1972,582				1741,926	
					204,8°			17,510			LW-17	3,01%	18,036		
70	AC	15 45,1479 S	030 49,9039 W	AC		9,8° Stbd	4867		1707,318	1955,072				1759,962	
					214,6°			18,472			LW-17	3,00%	19,027		
71	AC	15 53,3942 S	030 55,7761 W	AC		12,8° Port	4870		1725,790	1936,600				1778,989	
					201,8°			11,959			LW-17	3,01%	12,318		
72	AC	15 59,4166 S	030 58,2599 W	AC		9,0° Port	4794		1737,749	1924,641				1791,307	
					192,7°			46,199			LW-17	3,00%	47,586		
73	AC	16 23,8505 S	031 03,9694 W	AC		5,7° Stbd	4877		1783,948	1878,442				1838,893	
					198,4°			176,444			LW-17	3,00%	181,738		
74	MB H-SEAS/EZ BRA	17 54,6346 S	031 35,3281 W				4663		1960,392	1701,998				2020,631	
					198,4°			66,228			LW-17	3,00%	68,216		
75	AC	18 28,7068 S	031 47,1661 W	AC		10,8° Stbd	4380		2026,620	1635,770				2088,847	
					209,1°			19,407			LW-17	3,00%	19,990		
76	AC	18 37,8946 S	031 52,5385 W	AC		6,2° Port	4330		2046,027	1616,363				2108,837	
					203,0°			15,003			LW-17	3,00%	15,452		
77	AC	18 45,3801 S	031 55,8732 W	AC		13,2° Port	4340		2061,030	1601,360				2124,289	
					189,9°			17,109			LW-17	3,00%	17,623		
78	AC	18 54,5175 S	031 57,5405 W	AC		4,0° Stbd	4277		2078,139	1584,251				2141,912	
					193,9°			25,843			LW-17	3,00%	26,620		

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79	AC	19	08,1183	S	032	01,0661	W	AC		4200		2103,982	1558,408				2168,532		
									198,4°		17,447			LW-17	3,00%	17,971			
80	ST 1	19	17,0915	S	032	04,2083	W			4187		2121,429	1540,961				2186,503		
									198,4°		82,946			LW-17	3,01%	85,443			
81	AC	19	59,7501	S	032	19,1866	W	AC		4140		2204,375	1458,015				2271,946		
									195,6°		15,805			LW-17	3,00%	16,279			
82	ST 1	20	07,9996	S	032	21,6280	W			4148		2220,180	1442,210				2288,225		
									195,6°		7,646			LW-17	3,00%	7,876			
83	CX OOS TELEGRAPH	20	11,9907	S	032	22,8099	W			4154		2227,826	1434,564				2296,101		
									195,6°		18,650			LW-17	3,01%	19,211			
84	AC	20	21,7248	S	032	25,6947	W	AC		4170		2246,476	1415,914				2315,312		
									199,5°		70,952			LW-17	3,01%	73,084			
85	AC	20	57,9624	S	032	39,3595	W	AC		4319		2317,428	1344,962				2388,396		
									206,0°		29,174			LW-17	3,01%	30,051			
86	AC	21	12,1740	S	032	46,7401	W	AC		4321		2346,602	1315,788				2418,447		
									217,8°		6,268			LW-17	3,06%	6,460			
87	MB EZ BRA/H-SEAS	21	14,8576	S	032	48,9608	W			4116		2352,870	1309,520				2424,907		
									217,8°		73,032			LW-17	3,02%	75,235			
88	AC	21	46,1247	S	033	14,8857	W	AC		4443		2425,902	1236,488				2500,142		
									240,9°		15,306			LW-17	3,00%	15,765			
89	AC	21	50,1556	S	033	22,6474	W	AC		4459		2441,208	1221,182				2515,907		
									260,2°		14,532			LW-17	3,00%	14,968			
90	AC	21	51,4997	S	033	30,9585	W	AC		4472		2455,740	1206,650				2530,875		
									280,3°		6,602			LW-17	3,00%	6,800			
91	CX PLN MONET	21	50,8605	S	033	34,7287	W			4476		2462,342	1200,048				2537,675		
									280,3°		18,798			LW-17	3,00%	19,362			

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		21	49,0405	S	033	45,4629	W												
92	CX PLN SEABRAS	21	49,0405	S	033	45,4629	W			4487		2481,140	1181,250				2557,037		
								280,3°			15,992			LW-17	3,00%	16,472			
93	CX IS AMX-1 SEG 3.3	21	47,4921	S	033	54,5934	W			4490		2497,132	1165,258				2573,509		
								280,3°			7,846			LW-17	3,00%	8,081			
94	AC	21	46,7325	S	033	59,0720	W	AC	17,3° Port	4492		2504,978	1157,412				2581,590		
								263,0°			15,841			LW-17	3,00%	16,316			
95	AC	21	47,7724	S	034	08,1948	W	AC	14,8° Port	4500		2520,819	1141,571				2597,906		
								248,2°			20,646			LW-17	3,00%	21,265			
96	AC	21	51,9273	S	034	19,3199	W	AC	5,8° Port	4521		2541,465	1120,925				2619,171		
								242,4°			20,567			LW-17	3,00%	21,184			
97	AC	21	57,0945	S	034	29,9014	W	AC	5,0° Port	4530		2562,032	1100,358				2640,355		
								237,4°			57,529			LW-17	3,02%	59,264			
98	AC	22	13,8924	S	034	58,0782	W	AC	3,8° Port	4500		2619,561	1042,829				2699,619		
								233,6°			318,739			LW-17	3,00%	328,309			
99	AC	23	56,3848	S	037	28,3109	W	AC	6,4° Stbd	4109		2938,300	724,090				3027,928		
								240,0°			34,484			LW-17	3,00%	35,518			
100	AC	24	05,7199	S	037	45,9263	W	AC	10,7° Stbd	4026		2972,784	689,606				3063,446		
								250,7°			55,268			LW-17	3,01%	56,933			
101	AC	24	15,6048	S	038	16,7312	W	AC	23,3° Port	3730		3028,052	634,338				3120,379		
								227,5°			8,944			LW-17	3,14%	9,225			
102	AC	24	18,8804	S	038	20,6263	W	AC	18,0° Port	3997		3036,996	625,394				3129,604		
								209,5°			8,099			LW-17	3,07%	8,347			
103	CX IS AMX-1 SEG 3.3	24	22,6988	S	038	22,9840	W			3773		3045,095	617,295				3137,951		
								209,5°			5,603			LW-17	3,02%	5,773			
104	AC	24	25,3407	S	038	24,6159	W	AC	20,4° Stbd	3749		3050,698	611,692				3143,724		
								229,9°			8,351			LW-17	3,00%	8,601			

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105	AC	24	28,2566	S	038	28,3935	W	AC	15,3° Stbd	3720		3059,049	603,341				3152,325		
									245,1°		12,120			LW-17	3,01%	12,486			
106	AC	24	31,0193	S	038	34,9021	W	AC	1,1° Stbd	3720		3071,169	591,221				3164,811		
									246,2°		2,959			LW-17	3,01%	3,048			
107	MB H-SEAS/EZ BRA	24	31,6668	S	038	36,5047	W			3710		3074,128	588,262				3167,859		
									246,2°		19,983			LW-17	3,01%	20,583			
108	AC	24	36,0397	S	038	47,3310	W	AC	7,3° Stbd	3641		3094,111	568,279				3188,442		
									253,5°		16,325			LW-17	3,00%	16,816			
109	ST 1	24	38,5518	S	038	56,6064	W			3630		3110,436	551,954				3205,258		
									253,5°		44,977			LW-17	3,02%	46,335			
110	AC	24	45,4724	S	039	22,1755	W	AC	9,2° Port	3510		3155,413	506,977				3251,593		
									244,3°		39,820			LW-17	3,04%	41,029			
111	AC	24	54,8346	S	039	43,4686	W	AC	10,4° Stbd	3220		3195,233	467,157				3292,622		
									254,6°		9,213			LW-17	3,10%	9,498			
112	AC	24	56,1569	S	039	48,7455	W	AC	5,8° Stbd	3163		3204,446	457,944				3302,120		
									260,5°		1,877			LW-17	3,17%	1,937			
113	ST 2	24	56,3254	S	039	49,8452	W			3226		3206,323	456,067				3304,057		
									260,5°		7,529			LW-17	3,57%	7,797			
114	AC	24	57,0015	S	039	54,2560	W	AC	7,4° Stbd	3527		3213,852	448,538				3311,854		
									267,9°		10,618			LW-17	3,32%	10,971			
115	AC	24	57,2130	S	040	00,5601	W	AC	6,3° Stbd	3280		3224,470	437,920				3322,825		
									274,2°		25,614			LW-17	3,19%	26,431			
116	AC	24	56,1944	S	040	15,7360	W	AC	7,2° Stbd	3130		3250,084	412,306				3349,256		
									281,4°		25,930			LW-17	3,01%	26,710			
117	AC	24	53,4253	S	040	30,8345	W	AC	12,8° Stbd	3080		3276,014	386,376				3375,966		
									294,2°		13,264			LW-17	3,04%	13,668			

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118	CX IS SAM SEG D	24	50,4835	S	040	38,0192	W			2890		3289,278	373,112				3389,634		
									294,2°		8,320			LW-17	3,03%	8,572			
119	AC	24	48,6383	S	040	42,5245	W	AC	3,9° Port	2836		3297,598	364,792				3398,206		
									290,3°		12,842			LW-17	3,01%	13,229			
120	AC	24	46,2275	S	040	49,6722	W	AC	4,2° Port	2830		3310,440	351,950				3411,435		
									286,1°		15,478			LW-17	3,01%	15,943			
121	AC	24	43,9002	S	040	58,4920	W	AC	13,0° Stbd	2730		3325,918	336,472				3427,378		
									299,1°		7,957			LW-17	3,04%	8,199			
122	AC	24	41,8057	S	041	02,6161	W	AC	15,7° Stbd	2660		3333,875	328,515				3435,577		
									314,7°		6,889			LW-17	3,01%	7,097			
123	CX IS ATLANTIS 2 SEG 3	24	39,1791	S	041	05,5171	W			2680		3340,764	321,626				3442,674		
									314,7°		6,533			LW-17	3,00%	6,728			
124	AC	24	36,6884	S	041	08,2669	W	AC	7,2° Port	2680		3347,297	315,093				3449,402		
									307,5°		10,806			LW-17	3,00%	11,131			
125	TR LW-17/LWP-17	24	33,1237	S	041	13,3443	W			2651		3358,103	304,287				3460,533	1843,967	
									307,5°		1,137			LWP-17	3,00%	1,171			
126	AC	24	32,7487	S	041	13,8784	W	AC	13,2° Port	2643		3359,240	303,150				3461,704		
									294,3°		10,536			LWP-17	3,12%	10,864			
127	AC	24	30,3971	S	041	19,5624	W	AC	9,3° Port	2428		3369,776	292,614				3472,568		
									285,0°		8,933			LWP-17	3,01%	9,203			
128	AC	24	29,1437	S	041	24,6701	W	AC	10,5° Stbd	2340		3378,709	283,681				3481,771		
									295,5°		8,683			LWP-17	3,01%	8,944			
129	AC	24	27,1186	S	041	29,3083	W	AC	5,8° Stbd	2240		3387,392	274,998				3490,715		
									301,3°		13,928			LWP-17	3,01%	14,347			
130	ST 3	24	23,1972	S	041	36,3473	W			2100		3401,320	261,070				3505,062		
									301,3°		8,735			LWP-17	3,01%	8,998			

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131	SC 2.0%	24 20,7376	S 041 40,7605	W			2000		3410,055	252,335				3514,060	
					301,3°			7,691			LWP-17	2,03%	7,847		
132	ST 4	24 18,5722	S 041 44,6446	W			1886		3417,746	244,644				3521,907	
					301,3°			25,182			LWP-17	2,04%	25,695		
133	ST 5	24 11,4818	S 041 57,3549	W			1510		3442,928	219,462				3547,602	
					301,3°			7,107			LWP-17	2,03%	7,251		
134	AC	24 09,4808	S 042 00,9398	W AC		5,6° Stbd	1619		3450,035	212,355				3554,853	
					306,9°			0,715			LWP-17	2,00%	0,729		
135	SC 0.5%	24 09,2485	S 042 01,2774	W			1620		3450,750	211,640				3555,582	
					306,9°			0,002			LWP-17	0,50%	0,002		
136	TR LWP-17/SAL-17	24 09,2477	S 042 01,2785	W			1620		3450,752	211,638				3555,584	95,051
					306,9°			3,217			SAL-17	0,59%	3,236		
137	PLUP EOB	24 08,2020	S 042 02,7979	W			1500		3453,969	208,421				3558,820	
					306,9°			0,002			SAL-17	0,68%	0,002		
138	SC 0.2%	24 08,2013	S 042 02,7990	W			1500		3453,971	208,419				3558,822	
					306,9°			3,605			SAL-17	0,27%	3,615		
139	AC	24 07,0297	S 042 04,5011	W AC		1,4° Port	1372		3457,576	204,814				3562,437	
					305,4°			16,890			SAL-17	0,22%	16,927		
140	AC	24 01,7236	S 042 12,6197	W AC		0,8° Port	1067		3474,466	187,924				3579,364	
					304,6°			9,026			SAL-17	0,21%	9,045		
141	PLDN	23 58,9470	S 042 17,0004	W			937		3483,492	178,898				3588,409	
					304,6°			0,519			SAL-17	0,21%	0,520		
142	PX IS AF ROTA 2	23 58,7871	S 042 17,2525	W			928		3484,011	178,379				3588,929	
					304,6°			0,504			SAL-17	0,21%	0,505		
143	PLUP	23 58,6320	S 042 17,4972	W			920		3484,515	177,875				3589,434	
					304,6°			2,589			SAL-17	0,21%	2,595		

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144	AC	23	57,8356	S	042	18,7534	W	AC		2,2° Port	877		3487,104	175,286				3592,029	
									302,4°			0,873			SAL-17	0,21%	0,874		
145	ST 10	23	57,5821	S	042	19,1874	W				863		3487,977	174,413				3592,903	
									302,4°			2,681			SAL-17	0,21%	2,687		
146	AC	23	56,8030	S	042	20,5214	W	AC		5,0° Port	820		3490,658	171,732				3595,590	
									297,5°			11,758			SAL-17	0,21%	11,783		
147	AC	23	53,8666	S	042	26,6703	W	AC		8,9° Stbd	666		3502,416	159,974				3607,373	
									306,4°			3,269			SAL-17	0,21%	3,275		
148	AC	23	52,8168	S	042	28,2211	W	AC		6,7° Port	630		3505,685	156,705				3610,648	
									299,6°			2,873			SAL-17	0,20%	2,879		
149	AC	23	52,0476	S	042	29,6925	W	AC		13,0° Port	602		3508,558	153,832				3613,527	
									286,6°			3,223			SAL-17	0,20%	3,230		
150	AC	23	51,5479	S	042	31,5119	W	AC		8,1° Port	580		3511,781	150,609				3616,757	
									278,5°			3,013			SAL-17	0,20%	3,019		
151	AC	23	51,3061	S	042	33,2667	W	AC		8,1° Port	563		3514,794	147,596				3619,776	
									270,4°			2,601			SAL-17	0,20%	2,606		
152	PLDN	23	51,2958	S	042	34,7987	W				551		3517,395	144,995				3622,382	
									270,4°			0,329			SAL-17	0,20%	0,330		
153	CX IS ATLANTIS 2 SEG 2	23	51,2946	S	042	34,9927	W				550		3517,724	144,666				3622,712	
									270,4°			0,018			SAL-17	0,20%	0,018		
154	PX PLN ROTA 3	23	51,2945	S	042	35,0033	W				550		3517,742	144,648				3622,730	
									270,4°			0,002			SAL-17	0,20%	0,002		
155	CX IS AF ATLANTIS 2 SEG 2	23	51,2945	S	042	35,0044	W				550		3517,744	144,646				3622,732	
									270,4°			0,361			SAL-17	0,20%	0,362		
156	PLUP	23	51,2931	S	042	35,2172	W				548		3518,105	144,285				3623,094	
									270,4°			2,898			SAL-17	0,20%	2,904		

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157	AC	23	51,2817	S	042	36,9242	W	AC		4,4° Port	534		3521,003	141,387				3625,998	
									266,0°			4,148		SAL-17	0,20%	4,155			
158	AC	23	51,4385	S	042	39,3611	W	AC		7,6° Port	520		3525,151	137,239				3630,153	
									258,4°			4,405		SAL-17	0,20%	4,415			
159	AC	23	51,9170	S	042	41,9034	W	AC		8,5° Stbd	512		3529,556	132,834				3634,568	
									266,9°			2,843		SAL-17	0,20%	2,848			
160	AC	23	51,9993	S	042	43,5755	W	AC		7,5° Stbd	489		3532,399	129,991				3637,416	
									274,4°			2,604		SAL-17	0,21%	2,610			
161	AC	23	51,8913	S	042	45,1050	W	AC		6,4° Stbd	457		3535,003	127,387				3640,026	
									280,8°			0,758		SAL-17	0,21%	0,759			
162	ST 15	23	51,8142	S	042	45,5433	W				445		3535,761	126,629				3640,785	
									280,8°			1,114		SAL-17	0,22%	1,117			
163	AC	23	51,7007	S	042	46,1883	W	AC		9,4° Stbd	424		3536,875	125,515				3641,902	
									290,2°			2,296		SAL-17	0,25%	2,302			
164	AC	23	51,2706	S	042	47,4572	W	AC		14,7° Stbd	354		3539,171	123,219				3644,204	
									304,9°			2,000		SAL-17	0,28%	2,005			
165	AC	23	50,6507	S	042	48,4230	W	AC		14,6° Stbd	273		3541,171	121,219				3646,209	
									319,5°			1,297		SAL-17	0,24%	1,300			
166	AC	23	50,1165	S	042	48,9191	W	AC		5,9° Stbd	239		3542,468	119,922				3647,509	
									325,4°			1,140		SAL-17	0,25%	1,143			
167	AC	23	49,6078	S	042	49,3002	W	AC		12,8° Stbd	216		3543,608	118,782				3648,652	
									338,2°			0,840		SAL-17	0,21%	0,842			
168	AC	23	49,1853	S	042	49,4839	W	AC		1,8° Port	206		3544,448	117,942				3649,494	
									336,4°			0,403		SAL-17	0,30%	0,404			
169	PLDN	23	48,9854	S	042	49,5788	W				199		3544,851	117,539				3649,898	
									336,4°			0,319		SAL-17	0,20%	0,319			

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170	CX IS GLOBENET S10	23	48,8271	S	042	49,6540	W			199		3545,170	117,220				3650,217		
									336,4°		0,337			SAL-17	0,21%	0,338			
171	PLUP	23	48,6596	S	042	49,7335	W			197		3545,507	116,883				3650,555		
									336,4°		0,935			SAL-17	0,20%	0,937			
172	AC	23	48,1954	S	042	49,9539	W	AC	6,6° Port	193		3546,442	115,948				3651,492		
									329,8°		0,363			SAL-17	0,20%	0,364			
173	AC	23	48,0257	S	042	50,0614	W	AC	14,5° Port	191		3546,805	115,585				3651,856		
									315,3°		0,278			SAL-17	0,20%	0,278			
174	AC	23	47,9187	S	042	50,1764	W	AC	13,3° Port	190		3547,083	115,307				3652,134		
									302,1°		0,230			SAL-17	0,20%	0,231			
175	AC	23	47,8524	S	042	50,2914	W	AC	15,6° Stbd	188		3547,313	115,077				3652,365		
									317,6°		0,299			SAL-17	0,20%	0,300			
176	AC	23	47,7326	S	042	50,4102	W	AC	15,5° Stbd	186		3547,612	114,778				3652,665		
									333,2°		0,411			SAL-17	0,20%	0,411			
177	AC	23	47,5342	S	042	50,5193	W	AC	10,0° Stbd	184		3548,023	114,367				3653,076		
									343,2°		0,744			SAL-17	0,20%	0,746			
178	AC	23	47,1483	S	042	50,6460	W	AC	13,2° Stbd	180		3548,767	113,623				3653,822		
									356,3°		0,465			SAL-17	0,20%	0,465			
179	AC	23	46,8971	S	042	50,6635	W	AC	9,3° Port	178		3549,232	113,158				3654,287		
									347,0°		0,479			SAL-17	0,20%	0,481			
180	AC	23	46,6438	S	042	50,7268	W	AC	11,7° Port	175		3549,711	112,679				3654,768		
									335,4°		0,535			SAL-17	0,20%	0,536			
181	AC	23	46,3805	S	042	50,8579	W	AC	13,2° Port	172		3550,246	112,144				3655,304		
									322,2°		0,484			SAL-17	0,20%	0,485			
182	AC	23	46,1735	S	042	51,0326	W	AC	13,2° Stbd	169		3550,730	111,660				3655,789		
									335,3°		4,686			SAL-17	0,21%	4,696			

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183	AC	23	43,8666	S	042	52,1845	W	AC	4,9° Port	144		3555,416	106,974				3660,485		
									330,4°		2,227			SAL-17	0,20%	2,231			
184	AC	23	42,8176	S	042	52,8317	W	AC	6,4° Stbd	135		3557,643	104,747				3662,716		
									336,8°		1,173			SAL-17	0,21%	1,175			
185	AC	23	42,2337	S	042	53,1037	W	AC	12,2° Port	133		3558,816	103,574				3663,891		
									324,6°		3,426			SAL-17	0,20%	3,433			
186	ST 16	23	40,7220	S	042	54,2724	W			130		3562,242	100,148				3667,324		
									324,6°		5,804			SAL-17	0,20%	5,816			
187	AC	23	38,1604	S	042	56,2521	W	AC	6,8° Port	127		3568,046	94,344				3673,140		
									317,8°		7,330			SAL-17	0,20%	7,344			
188	ST 17	23	35,2203	S	042	59,1487	W			128		3575,376	87,014				3680,484		
									317,8°		16,134			SAL-17	0,20%	16,167			
189	MB EZ BRA/CZ BRA	23	28,7486	S	043	05,5210	W			118		3591,510	70,880				3696,651		
									317,8°		1,799			SAL-17	0,20%	1,803			
190	CX OOS TELEGRAPH	23	28,0271	S	043	06,2311	W			120		3593,309	69,081				3698,454		
									317,8°		9,464			SAL-17	0,20%	9,483			
191	ST 18	23	24,2308	S	043	09,9662	W			114		3602,773	59,617				3707,937		
									317,8°		2,799			SAL-17	0,20%	2,804			
192	CX OOS TELEGRAPH	23	23,1082	S	043	11,0705	W			111		3605,572	56,818				3710,741		
									317,8°		0,256			SAL-17	0,20%	0,256			
193	AC	23	23,0056	S	043	11,1713	W	AC	4,6° Port	111		3605,828	56,562				3710,997		
									313,2°		10,850			SAL-17	0,20%	10,873			
194	CX OOS TELEGRAPH	23	18,9850	S	043	15,8160	W			87		3616,678	45,712				3721,870		
									313,2°		1,720			SAL-17	0,20%	1,723			
195	AC	23	18,3476	S	043	16,5521	W	AC	7,8° Port	83		3618,398	43,992				3723,593		
									305,4°		1,379			SAL-17	0,20%	1,382			

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196	MB CZ BRA/TW BRA	23	17,9150	S	043	17,2114	W			81		3619,777	42,613				3724,975		
									305,4°		0,008			SAL-17	0,20%	0,008			
197	CX OOS TELEGRAPH	23	17,9126	S	043	17,2151	W			81		3619,785	42,605				3724,983		
									305,4°		0,358			SAL-17	0,20%	0,358			
198	AC	23	17,8003	S	043	17,3862	W	AC	7,9° Port	80		3620,143	42,247				3725,341		
									297,5°		0,169			SAL-17	0,20%	0,170			
199	ST 19	23	17,7578	S	043	17,4744	W			80		3620,312	42,078				3725,511		
									297,5°		1,181			SAL-17	0,20%	1,183			
200	AC	23	17,4621	S	043	18,0882	W	AC	4,7° Port	78		3621,493	40,897				3726,694		
									292,8°		4,789			SAL-17	0,20%	4,799			
201	CX OOS TELEGRAPH	23	16,4556	S	043	20,6771	W			72		3626,282	36,108				3731,493		
									292,8°		2,218			SAL-17	0,20%	2,222			
202	AC	23	15,9895	S	043	21,8758	W	AC	10,7° Port	70		3628,500	33,890				3733,715		
									282,1°		1,149			SAL-17	0,20%	1,151			
203	PLDN	23	15,8586	S	043	22,5345	W			69		3629,649	32,741				3734,866		
									282,1°		0,293			SAL-17	0,20%	0,294			
204	CX IS AF GLOBENET S10	23	15,8253	S	043	22,7024	W			68		3629,942	32,448				3735,160		
									282,1°		0,001			SAL-17	0,20%	0,001			
205	CX IS GLOBENET S10	23	15,8251	S	043	22,7033	W			68		3629,943	32,447				3735,161		
									282,1°		0,293			SAL-17	0,20%	0,294			
206	PLUP	23	15,7918	S	043	22,8712	W			68		3630,236	32,154				3735,455		
									282,1°		0,031			SAL-17	0,20%	0,031			
207	CX OOS AF TELEGRAPH	23	15,7883	S	043	22,8889	W			68		3630,267	32,123				3735,486		
									282,1°		0,749			SAL-17	0,20%	0,750			
208	CX OOS TELEGRAPH	23	15,7030	S	043	23,3183	W			68		3631,016	31,374				3736,236		
									282,1°		2,509			SAL-17	0,20%	2,514			

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Ponto N°	Comentários	Latitude			Longitude			Ajuste de Curso	Brg (°)	Alteração de Curso (- P + S)	Profundidade (m)	Dist. trecho (km)	Dist. KP acumulada (km)	Dist. KP Reversa (km)	Tipo de Cabo	Folga superf. (%)	Cabo trecho (km)	Cabo acumulado (km)	Cabo por tipo (km)
209	PLDN	23	15,4173	S	043	24,7564	W			65		3633,525	28,865				3738,750		
									282,1°		0,292			SAL-17	0,20%	0,293			
210	CX IS AF SAM SEG C	23	15,3840	S	043	24,9240	W			65		3633,817	28,573				3739,043		
									282,1°		0,008			SAL-17	0,20%	0,008			
211	CX IS SAM SEG C	23	15,3831	S	043	24,9287	W			65		3633,825	28,565				3739,051		
									282,1°		0,272			SAL-17	0,20%	0,272			
212	PLUP	23	15,3521	S	043	25,0846	W			65		3634,097	28,293				3739,323		
									282,1°		1,341			SAL-17	0,20%	1,344			
213	AC	23	15,1994	S	043	25,8533	W	AC		64		3635,438	26,952				3740,667		
									294,5°		1,685			SAL-17	0,20%	1,688			
214	AC	23	14,8213	S	043	26,7523	W	AC		64		3637,123	25,267				3742,355		
									302,9°		1,059			SAL-17	0,20%	1,062			
215	AC	23	14,5098	S	043	27,2739	W	AC		63		3638,182	24,208				3743,417		
									317,7°		0,603			SAL-17	0,20%	0,604			
216	CX OOS TELEGRAPH	23	14,2679	S	043	27,5118	W			62		3638,785	23,605				3744,021		
									317,7°		0,153			SAL-17	0,20%	0,153			
217	AC	23	14,2069	S	043	27,5719	W	AC		62		3638,938	23,452				3744,174		
									329,5°		0,046			SAL-17	0,20%	0,047			
218	ST 20	23	14,1850	S	043	27,5858	W			62		3638,984	23,406				3744,221		
									329,5°		1,480			SAL-17	0,20%	1,482			
219	AC	23	13,4946	S	043	28,0260	W	AC		61		3640,464	21,926				3745,703		
									338,8°		5,603			SAL-17	0,20%	5,614			
220	CX OOS TELEGRAPH	23	10,6650	S	043	29,2158	W			56		3646,067	16,323				3751,317		
									338,8°		0,586			SAL-17	0,20%	0,587			
221	CX OOS TELEGRAPH	23	10,3692	S	043	29,3402	W			56		3646,653	15,737				3751,904		
									338,8°		1,886			SAL-17	0,20%	1,891			

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222	AC	23	09,4166	S	043	29,7407	W	AC	11,4° Stbd	53		3648,539	13,851				3753,795		
									350,2°		1,114			SAL-17	0,20%	1,115			
223	PLDN	23	08,8223	S	043	29,8520	W			53		3649,653	12,737				3754,910		
									350,2°		0,284			SAL-17	0,20%	0,285			
224	CX IS AF BRAZDOM SOUTH S2	23	08,6703	S	043	29,8805	W			53		3649,937	12,453				3755,195		
									350,2°		0,000			SAL-17	0,20%	0,000			
225	CX IS BRAZDOM SOUTH S2	23	08,6703	S	043	29,8805	W			53		3649,937	12,453				3755,195		
									350,2°		0,281			SAL-17	0,20%	0,282			
226	PLUP	23	08,5205	S	043	29,9086	W			52		3650,218	12,172				3755,477		
									350,2°		1,417			SAL-17	0,20%	1,419			
227	PLDN	23	07,7643	S	043	30,0503	W			49		3651,635	10,755				3756,896		
									350,2°		0,256			SAL-17	0,20%	0,257			
228	CX IS AF SAC SEG C	23	07,6275	S	043	30,0759	W			49		3651,891	10,499				3757,153		
									350,2°		0,005			SAL-17	0,20%	0,005			
229	CX IS SAC SEG C	23	07,6245	S	043	30,0764	W			49		3651,896	10,494				3757,158		
									350,2°		0,242			SAL-17	0,20%	0,242			
230	PLUP	23	07,4956	S	043	30,1006	W			48		3652,138	10,252				3757,400		
									350,2°		0,489			SAL-17	0,20%	0,490			
231	AC	23	07,2347	S	043	30,1495	W	AC	15,8° Stbd	47		3652,627	9,763				3757,890		
									006,0°		1,353			SAL-17	0,20%	1,356			
232	AC	23	06,5055	S	043	30,0665	W	AC	9,7° Stbd	45		3653,980	8,410				3759,246		
									015,7°		1,023			SAL-17	0,20%	1,025			
233	AC	23	05,9720	S	043	29,9046	W	AC	3,8° Port	42		3655,003	7,387				3760,271		
									011,9°		3,857			SAL-17	0,20%	3,865			
234	AC	23	03,9272	S	043	29,4394	W	AC	8,9° Stbd	24		3658,860	3,530				3764,136		
									020,8°		0,116			SAL-17	0,20%	0,116			

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235	PLDN	23	03,8682	S	043	29,4153	W			23		3658,976	3,414				3764,252		
									020,8°		0,171			SAL-17	0,20%	0,172			
236	AC	23	03,7815	S	043	29,3798	W	AC	8,6° Stbd	23		3659,147	3,243				3764,424		
									029,3°		0,157			SAL-17	0,20%	0,157			
237	CX IS AF AMX-1 S3.3	23	03,7072	S	043	29,3347	W			22		3659,304	3,086				3764,581		
									029,3°		0,005			SAL-17	0,20%	0,005			
238	CX IS AMX-1 S 3.3	23	03,7051	S	043	29,3334	W			22		3659,309	3,081				3764,586		
									029,3°		0,125			SAL-17	0,20%	0,125			
239	AC	23	03,6460	S	043	29,2975	W	AC	15,7° Port	22		3659,434	2,956				3764,711		
									013,6°		0,171			SAL-17	0,20%	0,172			
240	AC	23	03,5557	S	043	29,2740	W	AC	13,6° Port	21		3659,605	2,785				3764,883		
									000,0°		0,167			SAL-17	0,20%	0,167			
241	AC	23	03,4655	S	043	29,2740	W	AC	9,9° Port	20		3659,772	2,618				3765,050		
									350,1°		0,031			SAL-17	0,20%	0,031			
242	PLUP	23	03,4487	S	043	29,2772	W			20		3659,803	2,587				3765,081		
									350,1°		0,397			SAL-17	0,20%	0,398			
243	TR SAL-17/MDA-17	23	03,2370	S	043	29,3173	W			18		3660,200	2,190				3765,479	209,895	
									350,1°		0,498			MDA-17	0,20%	0,498			
244	PLDN	23	02,9714	S	043	29,3676	W			15		3660,698	1,692				3765,977		
									350,1°		0,002			MDA-17	0,20%	0,002			
245	SC 0.8%	23	02,9704	S	043	29,3678	W			15		3660,700	1,690				3765,979		
									350,1°		0,691			MDA-17	0,80%	0,697			
246	AC	23	02,6015	S	043	29,4377	W	AC	4,6° Stbd	10		3661,391	0,999				3766,676		
									354,7°		0,716			MDA-17	0,80%	0,722			
247	AC	23	02,2150	S	043	29,4764	W	AC	11,4° Stbd	4		3662,107	0,283				3767,398		
									006,1°		0,267			MDA-17	0,81%	0,269			

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248	CX IS SAM SEG C	23	02,0715	S	043	29,4600	W			0		3662,374	0,016				3767,667		
								006,1°			0,016			MDA-17	0,81%	0,016			
249	CABLE ALLOWANCE	23	02,0630	S	043	29,4590	W			0		3662,390	0,000				3767,683		
											0,000			MDA-17	N/A	0,050			
250	BMH RIO DE JANERIO	23	02,0630	S	043	29,4590	W			0		3662,390	0,000				3767,733	2,254	

Cable Type	Length
LW-17	3214,759
LWP-17	340,825
SAL-17	209,895
MDA-17	2,254
TOTAL	3767,733