

Relatório de Monitoramento das Emissões Atmosféricas - Usina Termelétrica Presidente Médici - Eletrobras CGTEE

INFORMAÇÕES DO PROCESSO	
Descrição da Unidade Geradora	UPME - Fase B - Unidade IV - uma Caldeira de 160 MW
Potência Instalada Total	160 MW
Tipo de Combustível	Carvão Mineral e Óleo Combustível
Consumo Médio (Ton/MWh)	1,3 ton/MWh
Referência	Novembro de 2014

Data de Medição	Operação				CHAMINÉ 03															
	Entrada pelo Operador				Entradas Analógicas															
	Geração		Fator de Carga		Monóxido de Carbono		Material Particulado Total		Óxidos de Nitrogênio		Oxigênio		Dióxido de Enxofre		Pressão		Temperatura		Vazão	
	Inserido pelo	Operador	Inserido pelo	Operador	Canal 6		Canal 8		Canal 5		Canal 7		Canal 4		Canal 2		Canal 1		Canal 3	
	1 hora		1 hora		1 hora		1 hora		1 hora		1 hora		1 hora		1 hora		1 hora		1 hora	
Data	Valor [MWh]	Situação	Valor [%]	Situação	Valor [ppm]	Situação	Valor [mg/m3]	Situação	Valor [ppm]	Situação	Valor [%]	Situação	Valor [ppm]	Situação	Valor [mbar]	Situação	Valor [°C]	Situação	Valor [m3/h]	Situação
01/11/2014 00:30	111,71		69,82%		6,90		309,72		168,28		10,90		1.294,00		-3,89		159,48		1.442.549,43	
01/11/2014 01:30	112,67		70,42%		6,75		317,03		169,21		10,86		1.338,00		-3,87		161,63		1.446.481,07	
01/11/2014 02:30	112,53		70,33%		6,88		335,14		169,33		10,92		1.338,00		-4,00		162,39		1.444.453,74	
01/11/2014 03:30	112,11		70,07%		6,85		324,50		168,08		10,98		1.356,00		-4,01		162,55		1.441.453,49	
01/11/2014 04:30	112,03		70,02%		6,81		324,24		170,50		10,86		1.396,00		-3,89		162,84		1.441.759,22	
01/11/2014 05:30	112,20		70,13%		7,03		307,92		195,88		10,94		1.412,00		-3,87		162,87		1.428.463,47	
01/11/2014 06:30	112,89		70,56%		7,13		296,32		215,87		11,06		1.416,00		-3,83		162,83		1.431.289,14	
01/11/2014 07:30	111,91		69,94%		7,04		312,67		212,21		11,05		1.427,00		-3,86		162,57		1.427.278,79	
01/11/2014 08:30	112,76		70,48%		7,20		313,46		212,41		10,98		1.456,00		-3,81		162,46		1.429.449,54	
01/11/2014 09:30	112,22		70,14%		6,96		336,84		198,23		11,03		1.465,00		-3,80		162,71		1.439.350,30	
01/11/2014 10:30	111,56		69,73%		7,09		393,11		182,23		10,96		1.523,00		-3,75		162,79		1.431.104,51	
01/11/2014 11:30	112,99		70,62%		6,80		414,24		195,68		10,98		1.571,00		-3,62		156,58		1.432.677,82	
01/11/2014 12:30	111,78		69,86%		7,24		411,66		191,97		11,09		1.540,00		-3,60		154,68		1.436.349,25	
01/11/2014 13:30	110,24		68,90%		7,19		348,76		178,06		11,11		1.446,00		-3,74		158,63		1.454.275,04	
01/11/2014 14:30	110,93		69,33%		7,07		321,81		206,13		10,87		1.604,00		-3,77		161,23		1.446.961,61	
01/11/2014 15:30	112,32		70,20%		6,86		373,38		214,99		11,01		1.608,00		-3,68		157,89		1.425.775,49	
01/11/2014 16:30	110,92		69,33%		7,01		392,91		204,99		11,03		1.666,00		-3,69		155,58		1.432.149,70	
01/11/2014 17:30	111,17		69,48%		6,97		427,03		182,85		10,77		1.630,00		-3,71		153,02		1.391.766,60	
01/11/2014 18:30	111,63		69,77%		6,90		447,31		180,42		10,76		1.543,00		-3,70		151,80		1.394.654,87	
01/11/2014 19:30	111,94		69,96%		7,18		395,20		172,22		10,99		1.480,00		-3,78		153,36		1.434.612,12	
01/11/2014 20:30	109,32		68,33%		6,84		370,10		142,34		10,28		1.628,00		-3,88		157,21		1.390.598,16	
01/11/2014 21:30	109,05		68,16%		6,99		344,79		167,42		10,98		1.542,00		-4,00		160,06		1.456.572,68	
01/11/2014 22:30	109,08		68,18%		7,15		471,52		167,00		10,98		1.561,00		-3,98		161,40		1.456.803,34	
01/11/2014 23:30	109,34		68,34%		7,31		389,01		168,27		11,05		1.574,00		-3,96		160,13		1.459.651,13	
02/11/2014 00:30	109,17		68,23%		8,85		328,84		175,18		11,02		1.574,00		-3,95		158,85		1.456.781,88	
02/11/2014 01:30	109,17		68,23%		8,88		330,84		175,99		11,03		1.593,00		-3,94		158,96		1.454.663,59	
02/11/2014 02:30	108,82		68,01%		9,19		356,89		177,40		10,95		1.629,00		-3,94		159,10		1.439.549,49	
02/11/2014 03:30	109,99		68,74%		8,56		441,94		198,21		10,89		1.688,00		-3,81		152,87		1.361.566,38	
02/11/2014 04:30	108,75		67,97%		7,88		371,43		176,52		11,04		1.628,00		-3,86		153,29		1.438.763,95	
02/11/2014 05:30	108,47		67,79%		8,65		335,82		174,14		10,97		1.610,00		-3,97		157,74		1.446.103,90	
02/11/2014 06:30	109,56		68,48%		7,20		328,25		173,04		11,00		1.623,00		-3,98		159,28		1.448.760,90	
02/11/2014 07:30	109,11		68,19%		7,43		320,31		169,03		11,02		1.596,00		-3,99		159,80		1.438.914,75	
02/11/2014 08:30	109,41		68,38%		7,11		338,64		170,21		10,93		1.623,00		-4,04		160,73		1.447.261,96	
02/11/2014 09:30	111,35		69,59%		6,86		357,74		170,51		10,93		1.612,00		-4,07		162,31		1.440.754,27	
02/11/2014 10:30	112,30		70,19%		7,20		312,92		170,79		10,93		1.584,00		-4,05		161,19		1.451.839,02	
02/11/2014 11:30	112,21		70,13%		7,16		407,93		190,16		10,96		1.596,00		-3,87		158,28		1.438.572,53	
02/11/2014 12:30	112,43		70,27%		7,60		424,56		217,51		10,99		1.576,00		-3,80		154,09		1.429.189,78	
02/11/2014 13:30	109,89		68,68%		7,21		355,32		196,09		10,74		1.554,00		-3,95		158,16		1.462.412,42	
02/11/2014 14:30	111,54		69,71%		7,79		389,02		203,80		11,06		1.543,00		-4,02		162,59		1.502.961,42	
02/11/2014 15:30	112,57		70,36%		7,79		419,17		180,42		10,35		1.649,00		-4,02		163,66		1.445.350,79	
02/11/2014 16:30	112,63		70,39%		7,15		405,73		183,31		10,39		1.630,00		-4,06		164,39		1.464.563,29	
02/11/2014 17:30	112,42		70,26%		7,15		415,26		194,12		10,72		1.591,00		-4,09		163,65		1.489.986,69	
02/11/2014 18:30	111,59		69,74%		7,26		346,73		199,02		10,81		1.559,00		-4,09		162,08		1.481.485,09	

02/11/2014 19:30	110,25	68,91%	8,74	395,31	205,56	10,88	1.594,00	-3,99	160,14	1.456.036,90
02/11/2014 20:30	110,19	68,87%	9,35	456,68	209,89	10,83	1.652,00	-3,88	154,05	1.392.673,04
02/11/2014 21:30	109,05	68,16%	6,64	474,95	190,64	10,59	1.669,00	-3,86	150,61	1.237.371,57
02/11/2014 22:30	109,53	68,46%	6,34	467,46	190,77	10,61	1.685,00	-3,87	150,64	1.236.250,27
02/11/2014 23:30	109,60	68,50%	7,52	444,15	196,10	10,70	1.676,00	-3,81	148,16	1.217.566,51
03/11/2014 00:30	108,73	67,96%	8,05	506,69	192,34	10,28	1.726,00	-3,78	147,07	1.259.817,44
03/11/2014 01:30	109,41	68,38%	7,07	593,05	195,44	10,15	1.789,00	-3,71	146,23	1.270.917,36
03/11/2014 02:30	110,00	68,75%	7,03	602,01	206,39	10,09	1.848,00	-3,56	142,27	1.246.275,01
03/11/2014 03:30	109,37	68,36%	7,17	557,05	192,34	10,31	1.761,00	-3,63	141,29	1.236.625,74
03/11/2014 04:30	109,09	68,18%	7,63	408,55	177,94	10,23	1.643,00	-3,91	149,70	1.381.265,97
03/11/2014 05:30	110,21	68,88%	8,36	332,01	191,72	10,35	1.697,00	-4,04	158,13	1.448.272,37
03/11/2014 06:30	111,87	69,92%	8,12	339,61	206,98	10,77	1.501,00	-4,08	160,92	1.466.625,52
03/11/2014 07:30	109,86	68,66%	7,54	346,87	205,28	10,90	1.457,00	-4,09	161,37	1.471.905,24
03/11/2014 08:30	109,43	68,39%	7,45	337,61	201,63	10,78	1.514,00	-4,09	161,78	1.459.956,09
03/11/2014 09:30	110,34	68,96%	7,26	340,36	202,92	10,81	1.509,00	-4,09	162,18	1.451.724,24
03/11/2014 10:30	109,71	68,57%	7,56	394,43	206,48	10,85	1.521,00	-4,05	163,38	1.453.675,76
03/11/2014 11:30	109,11	68,19%	7,56	305,18	205,80	10,66	1.538,00	-3,84	162,34	1.457.307,13
03/11/2014 12:30	111,37	69,61%	7,70	307,17	203,58	10,39	1.589,00	-3,75	162,09	1.451.718,04
03/11/2014 13:30	114,25	71,41%								
03/11/2014 14:30	113,99	71,24%								
03/11/2014 15:30	112,64	70,40%								
03/11/2014 16:30	112,49	70,31%								
03/11/2014 17:30	112,62	70,39%								
03/11/2014 18:30	113,17	70,73%								
03/11/2014 19:30	113,88	71,18%								
03/11/2014 20:30	113,39	70,87%								
03/11/2014 21:30	110,88	69,30%								
03/11/2014 22:30	110,46	69,04%								
03/11/2014 23:30	110,24	68,90%								
04/11/2014 00:30	111,41	69,63%	9,36	412,46	212,10	10,62	1.518,00	-3,93	160,55	1.474.510,54
04/11/2014 01:30	112,76	70,48%	9,09	386,97	214,36	10,47	1.564,00	-3,92	159,35	1.439.969,46
04/11/2014 02:30	112,40	70,25%	10,19	374,83	196,21	10,17	1.605,00	-3,85	152,47	1.223.843,16
04/11/2014 03:30	112,05	70,03%	10,25	426,40	193,13	10,39	1.566,00	-3,80	149,24	1.220.847,88
04/11/2014 04:30	111,19	69,49%	10,36	442,10	195,71	10,30	1.617,00	-3,82	147,86	1.206.390,68
04/11/2014 05:30	111,25	69,53%	9,32	447,93	194,20	10,33	1.660,00	-3,89	147,41	1.211.442,81
04/11/2014 06:30	111,75	69,84%	7,56	447,54	187,34	10,49	1.624,00	-3,96	146,89	1.242.266,49
04/11/2014 07:30	111,01	69,38%	8,41	410,34	190,67	10,55	1.552,00	-4,13	153,30	1.431.543,05
04/11/2014 08:30	110,92	69,33%	8,65	402,44	198,57	10,56	1.525,00	-4,12	156,06	1.451.171,07
04/11/2014 09:30	0,00	0,00%	9,09	470,59	209,77	10,79	1.557,00	-3,99	153,21	1.417.082,42
04/11/2014 10:30	111,00	69,38%	8,69	440,38	203,13	11,17	1.702,00	-3,93	151,82	1.329.283,83
04/11/2014 11:30	104,10	65,06%	9,83	384,41	151,97	12,98	929,00	-3,88	148,34	1.326.723,27
04/11/2014 12:30	74,59	46,62%	17,20	932,93	158,38	14,42	517,00	-4,16	169,16	1.517.371,32
04/11/2014 13:30	58,37	36,48%	20,51	921,64	80,90	15,75	256,00	-4,20	173,29	1.404.249,94
04/11/2014 14:30	38,55	24,09%	139,96	274,39	31,00	18,89	57,00	-3,89	151,85	1.197.582,19
04/11/2014 15:30	0,00	0,00%	127,93	229,38	31,01	18,86	56,00	-3,66	139,16	1.197.914,47
04/11/2014 16:30	0,00	0,00%	102,86	278,50	46,36	18,36	76,00	-3,47	131,68	1.104.297,68
04/11/2014 17:30	0,00	0,00%	17,31	169,20	87,70	14,94	160,00	-3,12	114,85	880.195,50
04/11/2014 18:30	0,00	0,00%	11,88	519,40	191,31	11,95	849,00	-2,99	114,14	1.160.235,90
04/11/2014 19:30	64,72	40,45%	10,45	267,41	219,79	10,80	1.446,00	-3,54	136,44	1.417.796,87
04/11/2014 20:30	109,53	68,46%	8,72	77,25	215,17	11,01	1.503,00	-3,94	150,66	1.452.266,65
04/11/2014 21:30	111,62	69,76%	7,00	99,32	203,93	11,01	1.445,00	-4,06	155,58	1.427.337,16
04/11/2014 22:30	111,21	69,51%	6,65	169,19	203,16	11,06	1.423,00	-4,13	158,22	1.430.115,98
04/11/2014 23:30	112,32	70,20%	6,95	196,16	192,52	10,90	1.433,00	-4,02	158,22	1.481.945,43
05/11/2014 00:30	112,32	70,20%	6,87	207,78	196,24	10,90	1.437,00	-3,95	158,54	1.477.266,47
05/11/2014 01:30	111,36	69,60%	6,78	195,89	199,17	11,14	1.431,00	-4,10	158,19	1.464.610,44
05/11/2014 02:30	110,14	68,84%	7,66	214,50	201,78	11,02	1.474,00	-4,06	156,77	1.463.065,36
05/11/2014 03:30	110,96	69,35%	6,76	195,11	196,78	11,01	1.426,00	-4,14	157,15	1.455.680,60
05/11/2014 04:30	111,81	69,88%	6,37	205,70	196,13	11,03	1.360,00	-4,14	157,87	1.457.037,18
05/11/2014 05:30	111,71	69,82%	6,30	216,15	197,44	11,09	1.301,00	-4,12	158,14	1.457.617,87
05/11/2014 06:30	111,05	69,41%	6,74	233,10	200,68	11,02	1.320,00	-4,12	158,05	1.453.694,94
05/11/2014 07:30	112,55	70,34%	7,30	284,21	207,64	11,12	1.315,00	-3,96	154,07	1.449.760,18
05/11/2014 08:30	110,61	69,13%	6,32	228,57	196,89	10,98	1.321,00	-3,96	156,49	1.461.611,73
05/11/2014 09:30	112,08	70,05%	6,79	235,60	194,25	10,89	1.350,00	-3,96	159,06	1.463.162,31

05/11/2014 10:30	112,43		70,27%		7,82		283,47		196,23		10,88		1.354,00		-3,97		161,34		1.434.466,21
05/11/2014 11:30	0,00		0,00%		7,58		233,19		192,24		10,88		1.345,00		-3,89		161,26		1.456.713,09
05/11/2014 12:30	113,16		70,73%		6,31		254,20		191,90		10,87		1.376,00		-3,81		160,89		1.466.686,60
05/11/2014 13:30	112,80		70,50%		6,51		260,83		190,44		10,76		1.405,00		-3,86		161,38		1.464.297,87
05/11/2014 14:30	114,43		71,52%		6,50		337,66		201,83		10,62		1.458,00		-3,72		158,50		1.417.491,04
05/11/2014 15:30	115,45		72,16%		6,65		368,25		202,57		10,74		1.449,00		-3,66		155,19		1.428.642,60
05/11/2014 16:30	114,96		71,85%		6,99		289,65		193,35		10,67		1.491,00		-3,80		159,54		1.480.578,84
05/11/2014 17:30	115,67		72,29%		7,01		279,28		191,67		10,73		1.510,00		-3,89		162,73		1.481.283,28
05/11/2014 18:30	115,26		72,04%		6,79		308,93		200,15		10,62		1.381,00		-3,95		164,39		1.508.427,03
05/11/2014 19:30	120,40		75,25%		6,75		302,98		203,72		10,81		1.315,00		-4,05		164,66		1.500.695,10
05/11/2014 20:30	120,51		75,32%		6,77		311,73		203,53		10,79		1.266,00		-4,11		164,13		1.506.015,43
05/11/2014 21:30	120,57		75,36%		6,51		330,99		204,46		10,85		1.232,00		-4,21		163,17		1.503.750,92
05/11/2014 22:30	120,45		75,28%		6,41		388,42		201,64		10,83		1.220,00		-4,28		162,83		1.508.881,19
05/11/2014 23:30	121,14		75,71%		6,43		309,80		202,76		10,95		1.205,00		-4,24		160,79		1.494.360,20
06/11/2014 00:30	120,48		75,30%		6,47		326,22		202,37		10,84		1.224,00		-4,18		159,72		1.495.196,14
06/11/2014 01:30	121,52		75,95%		6,44		345,15		204,31		10,72		1.257,00		-3,93		160,52		1.512.900,04
06/11/2014 02:30	121,66		76,04%		6,40		354,25		203,08		10,81		1.298,00		-4,11		160,01		1.496.333,66
06/11/2014 03:30	121,43		75,89%		6,47		348,67		204,75		10,89		1.332,00		-4,00		160,00		1.496.669,32
06/11/2014 04:30	120,33		75,21%		6,86		347,49		206,70		10,80		1.345,00		-3,87		160,33		1.511.386,23
06/11/2014 05:30	120,45		75,28%		6,91		346,35		204,46		10,84		1.343,00		-3,92		160,33		1.501.474,77
06/11/2014 06:30	120,71		75,44%		6,56		354,42		202,92		10,84		1.363,00		-4,01		159,96		1.495.808,96
06/11/2014 07:30	121,29		75,81%		6,68		358,88		201,52		10,83		1.370,00		-4,01		159,82		1.496.851,34
06/11/2014 08:30	121,25		75,78%		6,73		350,89		200,70		10,65		1.389,00		-3,89		160,90		1.511.268,95
06/11/2014 09:30	122,29		76,43%		6,74		434,52		215,96		10,59		1.421,00		-3,68		158,98		1.490.652,23
06/11/2014 10:30	0,00		0,00%		8,09		467,12		217,80		10,73		1.399,00		-3,65		157,76		1.498.859,14
06/11/2014 11:30	0,00		0,00%		6,95		370,09		212,80		10,73		1.476,00		-3,51		156,98		1.509.708,33
06/11/2014 12:30	120,25		75,16%		6,75		339,36		203,97		10,47		1.674,00		-3,56		161,30		1.522.951,79
06/11/2014 13:30	0,00		0,00%		6,83		329,08		200,24		10,28		1.640,00		-3,54		164,23		1.532.481,21
06/11/2014 14:30	0,00		0,00%		6,67		309,12		198,20		10,28		1.641,00		-3,58		165,53		1.514.938,11
06/11/2014 15:30	122,88		76,80%		6,72		309,52		197,92		10,33		1.675,00		-3,64		166,18		1.513.500,22
06/11/2014 16:30	0,00		0,00%		6,56		319,59		200,54		10,32		1.578,00		-3,67		166,78		1.521.259,67
06/11/2014 17:30	0,00		0,00%		6,58		319,99		198,01		10,38		1.530,00		-3,85		166,35		1.509.597,51
06/11/2014 18:30	122,88		76,80%		7,02		401,54		212,93		10,51		1.594,00		-3,86		162,43		1.486.668,50
06/11/2014 19:30	122,05		76,28%		7,08		364,99		201,00		10,62		1.563,00		-3,79		160,45		1.504.486,34
06/11/2014 20:30	120,54		75,34%		7,10		336,01		198,74		10,57		1.623,00		-3,83		162,84		1.517.696,63
06/11/2014 21:30	120,31		75,19%		8,40		353,94		206,97		10,45		1.766,00		-3,80		162,36		1.507.450,01
06/11/2014 22:30	121,81		76,13%		6,74		345,98		203,97		10,40		1.616,00		-3,77		162,39		1.524.243,76
06/11/2014 23:30	121,30		75,81%		6,83		327,20		206,36		10,62		1.570,00		-3,83		161,64		1.529.495,98
07/11/2014 00:30	120,98		75,61%		6,86		345,60		208,97		10,63		1.572,00		-3,83		161,49		1.532.242,48
07/11/2014 01:30	120,79		75,49%		7,12		342,79		205,98		10,43		1.623,00		-3,68		162,39		1.540.465,04
07/11/2014 02:30	122,81		76,76%		7,10		346,49		207,37		10,50		1.640,00		-3,69		162,70		1.537.005,33
07/11/2014 03:30	121,90		76,19%		7,26		334,21		206,96		10,54		1.617,00		-3,64		162,82		1.534.102,04
07/11/2014 04:30	121,13		75,71%		9,61		384,27		225,92		10,49		1.611,00		-3,51		161,06		1.497.630,96
07/11/2014 05:30	123,15		76,97%		8,63		398,43		233,10		10,57		1.544,00		-3,40		155,76		1.476.756,85
07/11/2014 06:30	120,64		75,40%		8,89		347,15		215,02		10,47		1.516,00		-3,45		159,32		1.529.293,13
07/11/2014 07:30	120,66		75,41%		8,73		332,56		210,26		10,47		1.571,00		-3,64		161,51		1.531.657,82
07/11/2014 08:30	120,90		75,56%		8,65		322,02		209,96		10,36		1.507,00		-3,60		162,34		1.527.399,43
07/11/2014 09:30	0,00		0,00%		8,45		327,40		209,63		10,25		1.506,00		-3,61		162,96		1.535.231,94
07/11/2014 10:30			0,00%		8,71		361,12		211,74		10,27		1.469,00		-3,61		163,70		1.525.979,33
07/11/2014 11:30	120,44		75,28%		8,49		304,93		211,05		10,38		1.450,00		-3,48		163,03		1.537.119,02
07/11/2014 12:30	121,35		75,84%		8,92		328,14		212,31		10,44		1.468,00		-3,53		163,53		1.530.437,21
07/11/2014 13:30	120,64		75,40%		8,87		335,77		212,51		10,45		1.516,00		-3,56		164,51		1.533.438,19
07/11/2014 14:30	120,70		75,44%		9,00		331,50		208,78		10,30		1.591,00		-3,61		165,35		1.531.378,27
07/11/2014 15:30	122,05		76,28%		7,48		329,80		204,19		10,38		1.574,00		-3,63		166,13		1.529.277,95
07/11/2014 16:30	122,02		76,26%		7,02		336,11		189,03		10,12		1.596,00		-3,63		166,62		1.501.605,69
07/11/2014 17:30	122,57		76,61%		8,17		368,13		212,56		10,45		1.630,00		-3,58		164,70		1.489.367,35
07/11/2014 18:30	122,20		76,38%		9,35		374,42		214,70		10,39		1.685,00		-3,44		162,75		1.499.414,79
07/11/2014 19:30	121,20		75,75%		9,15		343,27		204,47		10,34		1.696,00		-3,60		165,94		1.524.315,39
07/11/2014 20:30	121,85		76,16%		9,10		333,32		204,67		10,23		1.676,00		-3,65		166,78		1.531.164,86
07/11/2014 21:30	122,57		76,61%		9,11		306,62		205,50		10,37		1.588,00		-3,77		166,47		1.525.696,93
07/11/2014 22:30	121,89		76,18%		9,00		311,21		201,26		10,36		1.517,00		-3,85		165,91		1.519.595,34
07/11/2014 23:30	123,45		77,16%		8,93		325,64		201,91		10,36		1.432,00		-3,68		166,14		1.525.451,80
08/11/2014 00:30	122,95		76,84%		9,03		342,74		202,82		10,35		1.432,00		-3,63		165,83		1.533.769,07

08/11/2014 01:30	122,70		76,69%		9,15		335,76		203,66		10,34		1.522,00		-3,60		165,50		1.528.153,74	
08/11/2014 02:30	122,92		76,83%		8,85		347,19		204,28		10,34		1.562,00		-3,61		165,21		1.528.152,83	
08/11/2014 03:30	123,22		77,01%		9,22		348,29		203,48		10,35		1.609,00		-3,58		165,23		1.535.602,66	
08/11/2014 04:30	123,17		76,98%		8,96		350,20		203,85		10,39		1.727,00		-3,64		164,97		1.527.157,90	
08/11/2014 05:30	122,73		76,71%		9,27		353,15		204,03		10,54		1.828,00		-3,77		164,37		1.529.145,28	
08/11/2014 06:30	121,27		75,79%		9,34		365,35		204,63		10,59		1.764,00		-3,82		164,28		1.528.852,05	
08/11/2014 07:30	120,70		75,44%		9,23		363,12		201,29		10,62		1.742,00		-3,88		164,42		1.514.950,53	
08/11/2014 08:30	121,27		75,79%		9,16		357,41		202,20		10,43		1.774,00		-3,71		165,65		1.522.789,60	
08/11/2014 09:30	121,34		75,84%		9,19		328,93		201,57		10,25		1.822,00		-3,59		167,27		1.527.648,26	
08/11/2014 10:30	122,13		76,33%		8,88		358,42		199,21		10,15		1.924,00		-3,62		168,95		1.521.244,08	
08/11/2014 11:30	123,43		77,14%		9,23		330,42		202,05		10,35		1.881,00		-3,56		167,45		1.528.451,01	
08/11/2014 12:30	121,07		75,67%		9,29		325,07		207,25		10,44		1.811,00		-3,54		165,80		1.531.079,19	
08/11/2014 13:30	121,26		75,79%		9,13		339,32		207,26		10,50		1.758,00		-3,63		165,83		1.526.830,24	
08/11/2014 14:30	120,58		75,36%		9,34		348,25		206,78		10,47		1.726,00		-3,72		166,51		1.521.823,64	
08/11/2014 15:30	120,94		75,59%		9,02		349,20		205,08		10,53		1.657,00		-3,90		166,44		1.503.308,13	
08/11/2014 16:30	121,41		75,88%		8,08		354,94		202,22		10,43		1.611,00		-3,88		167,54		1.518.438,20	
08/11/2014 17:30	122,07		76,29%		8,78		385,59		214,71		10,46		1.645,00		-3,79		166,81		1.502.242,83	
08/11/2014 18:30	122,36		76,48%		11,16		501,74		230,35		10,54		1.724,00		-3,64		159,80		1.440.510,97	
08/11/2014 19:30	122,54		76,59%		8,64		366,29		207,62		10,59		1.679,00		-3,67		159,47		1.450.329,83	
08/11/2014 20:30	121,14		75,71%		8,96		226,15		204,80		10,50		1.789,00		-3,82		162,83		1.496.124,38	
08/11/2014 21:30	120,82		75,51%		8,90		224,17		204,87		10,41		1.660,00		-3,73		164,52		1.516.631,63	
08/11/2014 22:30	122,57		76,61%		8,91		224,31		204,69		10,41		1.632,00		-3,73		165,30		1.527.274,86	
08/11/2014 23:30	122,92		76,83%		8,96		232,93		204,11		10,45		1.631,00		-3,77		165,51		1.549.671,79	
09/11/2014 00:30	123,11		76,94%		9,04		240,61		203,48		10,41		1.630,00		-3,77		165,21		1.550.164,51	
09/11/2014 01:30	122,93		76,83%		9,09		236,99		205,41		10,43		1.623,00		-3,78		164,73		1.553.458,35	
09/11/2014 02:30	122,95		76,84%		8,92		246,44		205,54		10,44		1.620,00		-3,79		164,31		1.549.849,44	
09/11/2014 03:30	122,92		76,83%		9,07		247,50		205,37		10,52		1.575,00		-3,83		164,00		1.557.867,31	
09/11/2014 04:30	122,80		76,75%		8,95		248,16		206,81		10,48		1.573,00		-3,79		164,17		1.548.889,90	
09/11/2014 05:30	122,81		76,76%		8,80		253,62		206,41		10,46		1.533,00		-3,83		164,36		1.555.124,73	
09/11/2014 06:30	123,04		76,90%		9,07		261,67		206,76		10,54		1.501,00		-4,00		164,28		1.573.581,42	
09/11/2014 07:30	122,18		76,36%		8,87		257,83		204,24		10,49		1.494,00		-3,86		164,35		1.562.263,47	
09/11/2014 08:30	122,91		76,82%		9,10		261,36		204,64		10,36		1.488,00		-3,82		165,52		1.562.435,72	
09/11/2014 09:30	123,13		76,96%		9,10		271,10		204,32		10,24		1.540,00		-3,81		167,22		1.572.522,95	
09/11/2014 10:30	123,35		77,09%		8,88		343,88		204,08		10,20		1.589,00		-3,72		169,91		1.569.106,28	
09/11/2014 11:30	123,17		76,98%		8,72		247,12		206,39		10,33		1.567,00		-3,68		166,90		1.528.460,86	
09/11/2014 12:30	122,75		76,72%		8,68		308,81		209,44		10,45		1.552,00		-3,65		164,84		1.440.983,76	
09/11/2014 13:30	122,14		76,34%		8,83		301,05		207,52		10,42		1.566,00		-3,67		164,60		1.431.278,48	
09/11/2014 14:30	122,49		76,56%		8,89		302,48		208,88		10,43		1.558,00		-3,71		164,88		1.432.667,41	
09/11/2014 15:30	122,09		76,31%																	
09/11/2014 16:30	122,53		76,58%																	
09/11/2014 17:30	121,78		76,11%																	
09/11/2014 18:30	120,73		75,46%																	
09/11/2014 19:30	121,45		75,91%																	
09/11/2014 20:30	121,84		76,15%																	
09/11/2014 21:30	121,96		76,23%																	
09/11/2014 22:30	121,64		76,03%																	
09/11/2014 23:30	120,93		75,58%																	
10/11/2014 00:30	121,07		75,67%																	
10/11/2014 01:30	121,37		75,86%																	
10/11/2014 02:30	121,24		75,78%																	
10/11/2014 03:30	121,21		75,76%																	
10/11/2014 04:30	122,45		76,53%																	
10/11/2014 05:30	123,16		76,98%																	
10/11/2014 06:30	123,06		76,91%																	
10/11/2014 07:30	121,14		75,71%																	
10/11/2014 08:30	121,79		76,12%																	
10/11/2014 09:30	122,08		76,30%																	
10/11/2014 10:30	120,85		75,53%																	
10/11/2014 11:30	122,30		76,44%																	
10/11/2014 12:30	120,50		75,31%																	
10/11/2014 13:30	119,89		74,93%		8,88	?S	245,07	?S	217,15	?S	10,39	?S	1.764,00	?S	-3,53	?S	166,16	?S	1.496.487,43	?S
10/11/2014 14:30	120,26		75,16%		11,64		382,65		222,90		9,88		1.920,00		-3,41		163,91		1.391.244,69	
10/11/2014 15:30	122,54		76,59%		46,67		425,93		202,72		8,82		2.148,00		-3,20		153,79		1.210.562,05	

10/11/2014 16:30	120,76	75,48%	18,85	394,87	217,91	9,42	1.993,00	-3,21	152,44	1.311.897,89
10/11/2014 17:30	120,09	75,06%	8,89	336,92	225,17	9,87	1.846,00	-3,36	157,14	1.420.555,98
10/11/2014 18:30	121,34	75,84%	8,90	282,05	216,23	10,27	1.788,00	-3,70	159,70	1.456.801,69
10/11/2014 19:30	120,67	75,42%	9,19	208,80	213,72	10,48	1.655,00	-3,88	163,25	1.512.460,61
10/11/2014 20:30	122,13	76,33%	9,24	210,89	217,04	10,56	1.675,00	-4,07	164,22	1.569.925,01
10/11/2014 21:30	121,02	75,64%	9,34	222,53	217,73	10,61	1.606,00	-3,93	164,28	1.551.139,00
10/11/2014 22:30	120,82	75,51%	11,36	387,97	231,90	10,56	1.595,00	-3,74	161,50	1.463.871,16
10/11/2014 23:30	120,69	75,43%	9,39	233,59	217,25	10,49	1.576,00	-3,79	162,00	1.529.011,94
11/11/2014 00:30	121,59	75,99%	9,31	206,86	220,46	10,52	1.592,00	-3,79	162,06	1.522.526,27
11/11/2014 01:30	121,05	75,66%	9,41	211,38	219,87	10,38	1.707,00	-3,77	162,36	1.513.941,81
11/11/2014 02:30	121,65	76,03%	9,36	216,67	219,23	10,34	1.797,00	-3,78	163,07	1.531.072,02
11/11/2014 03:30	122,49	76,56%	9,63	274,81	221,15	10,35	1.894,00	-3,81	163,62	1.515.707,51
11/11/2014 04:30	123,02	76,89%	9,66	365,23	240,40	10,45	2.016,00	-3,66	159,70	1.464.894,46
11/11/2014 05:30	121,44	75,90%	9,53	278,16	223,13	10,53	1.953,00	-3,72	159,10	1.448.376,91
11/11/2014 06:30	121,17	75,73%	9,37	237,74	217,67	10,51	1.878,00	-3,86	162,23	1.482.608,16
11/11/2014 07:30	121,90	76,19%	9,46	233,25	219,09	10,49	1.894,00	-3,92	163,15	1.493.865,40
11/11/2014 08:30	122,59	76,62%	9,24	235,15	218,91	10,49	1.792,00	-3,82	163,77	1.490.563,36
11/11/2014 09:30	0,00	0,00%	9,07	253,30	216,07	10,41	1.735,00	-3,77	164,53	1.491.168,74
11/11/2014 10:30	121,95	76,22%	9,10	291,54	214,38	10,36	1.686,00	-3,75	165,46	1.484.904,51
11/11/2014 11:30	122,42	76,51%	9,08	286,76	213,93	10,45	1.624,00	-3,69	164,46	1.451.005,32
11/11/2014 12:30	122,05	76,28%	9,29	291,35	217,72	10,37	1.712,00	-3,64	164,93	1.464.311,17
11/11/2014 13:30	122,64	76,65%	9,33	258,77	223,93	10,37	1.777,00	-3,67	165,70	1.501.176,06
11/11/2014 14:30	123,13	76,96%	9,17	258,13	224,98	10,40	1.787,00	-3,80	166,58	1.518.066,26
11/11/2014 15:30	122,46	76,54%								
11/11/2014 16:30	121,86	76,16%								
11/11/2014 17:30	122,41	76,51%								
11/11/2014 18:30	121,69	76,06%								
11/11/2014 19:30	121,66	76,04%								
11/11/2014 20:30	122,84	76,78%								
11/11/2014 21:30	122,67	76,67%								
11/11/2014 22:30	122,38	76,49%								
11/11/2014 23:30	123,69	77,31%								
12/11/2014 00:30	120,75	75,47%								
12/11/2014 01:30	122,92	76,83%								
12/11/2014 02:30	122,85	76,78%								
12/11/2014 03:30	123,02	76,89%								
12/11/2014 04:30	123,04	76,90%								
12/11/2014 05:30	120,94	75,59%								
12/11/2014 06:30	122,86	76,79%								
12/11/2014 07:30	122,74	76,71%								
12/11/2014 08:30	122,95	76,84%								
12/11/2014 09:30	123,52	77,20%								
12/11/2014 10:30	122,46	76,54%								
12/11/2014 11:30	123,07	76,92%								
12/11/2014 12:30	122,58	76,61%								
12/11/2014 13:30	122,26	76,41%								
12/11/2014 14:30	123,13	76,96%								
12/11/2014 15:30	121,25	75,78%								
12/11/2014 16:30	119,53	74,71%								
12/11/2014 17:30	121,09	75,68%								
12/11/2014 18:30	122,84	76,78%								
12/11/2014 19:30	122,73	76,71%								
12/11/2014 20:30	122,36	76,48%								
12/11/2014 21:30	120,52	75,33%								
12/11/2014 22:30	122,34	76,46%								
12/11/2014 23:30	123,36	77,10%								
13/11/2014 00:30	121,99	76,24%								
13/11/2014 01:30	122,67	76,67%								
13/11/2014 02:30	122,76	76,73%								
13/11/2014 03:30	122,63	76,64%								
13/11/2014 04:30	122,52	76,58%								
13/11/2014 05:30	122,75	76,72%								
13/11/2014 06:30	122,58	76,61%								

18/11/2014 13:30	121,19		75,74%																
18/11/2014 14:30	121,43		75,89%																
18/11/2014 15:30	121,57		75,98%																
18/11/2014 16:30	122,05		76,28%																
18/11/2014 17:30	120,95		75,59%																
18/11/2014 18:30	120,17		75,11%																
18/11/2014 19:30	120,20		75,13%																
18/11/2014 20:30	121,26		75,79%																
18/11/2014 21:30	120,06		75,04%																
18/11/2014 22:30	120,88		75,55%																
18/11/2014 23:30	121,47		75,92%																
19/11/2014 00:30	121,44		75,90%																
19/11/2014 01:30	121,96		76,23%																
19/11/2014 02:30	121,09		75,68%																
19/11/2014 03:30	121,61		76,01%																
19/11/2014 04:30	121,24		75,78%																
19/11/2014 05:30	122,11		76,32%																
19/11/2014 06:30	121,47		75,92%																
19/11/2014 07:30	122,25		76,41%																
19/11/2014 08:30	120,91		75,57%																
19/11/2014 09:30	121,38		75,86%																
19/11/2014 10:30	121,18		75,74%																
19/11/2014 11:30	120,15		75,09%																
19/11/2014 12:30	117,45		73,41%																
19/11/2014 13:30	115,67		72,29%	8,28	?S	307,04	?S	194,22	?S	10,69	?S	1.566,00	?S	-3,62	?S	165,50	?S	1.405.864,09	?S
19/11/2014 14:30	115,75		72,34%	7,81		330,95		193,25		10,60		1.581,00		-3,65		166,09		1.414.474,73	
19/11/2014 15:30	116,64		72,90%	7,95		323,38		195,80		10,72		1.586,00		-3,62		165,30		1.418.978,92	
19/11/2014 16:30	115,15		71,97%																
19/11/2014 17:30	115,88		72,43%																
19/11/2014 18:30	119,72		74,83%																
19/11/2014 19:30	120,68		75,43%																
19/11/2014 20:30	121,26		75,79%																
19/11/2014 21:30	121,39		75,87%																
19/11/2014 22:30	121,66		76,04%																
19/11/2014 23:30	119,06		74,41%																
20/11/2014 00:30	120,07		75,04%																
20/11/2014 01:30	121,45		75,91%																
20/11/2014 02:30	119,64		74,78%																
20/11/2014 03:30	120,33		75,21%																
20/11/2014 04:30	121,18		75,74%																
20/11/2014 05:30	121,47		75,92%																
20/11/2014 06:30	121,66		76,04%																
20/11/2014 07:30	121,47		75,92%																
20/11/2014 08:30	121,54		75,96%																
20/11/2014 09:30	122,02		76,26%																
20/11/2014 10:30	116,26		72,66%	8,14	?S	457,82	?S	208,47	?S	10,48	?S	1.813,00	?S	-3,47	?S	163,41	?S	1.404.934,12	?S
20/11/2014 11:30	115,86		72,41%	7,87		373,18		208,80		10,58		1.765,00		-3,42		159,18		1.391.680,33	
20/11/2014 12:30	114,20		71,38%	8,39		322,53		198,33		10,60		1.762,00		-3,55		158,82		1.433.759,75	
20/11/2014 13:30	114,22		71,39%	8,28		337,53		197,34		10,63		1.838,00		-3,72		160,57		1.416.825,04	
20/11/2014 14:30	114,77		71,73%	8,32		366,35		202,12		10,63		1.795,00		-3,73		161,02		1.390.698,66	
20/11/2014 15:30	116,09		72,56%	9,44		466,53		206,78		10,02		1.620,00		-3,49		154,05		1.272.459,92	
20/11/2014 16:30	117,10		73,19%	7,23		346,87		178,48		10,11		1.531,00		-3,48		149,95		1.215.356,07	
20/11/2014 17:30	113,25		70,78%	8,01		298,51		200,70		10,19		1.492,00		-3,72		159,43		1.419.108,92	
20/11/2014 18:30	119,36		74,60%	7,60		270,39		185,95		10,50		1.403,00		-3,90		163,93		1.422.687,79	
20/11/2014 19:30	119,52		74,70%	7,83		240,98		180,31		10,49		1.424,00		-3,96		164,86		1.414.109,14	
20/11/2014 20:30	120,44		75,28%	8,07		251,82		182,99		10,45		1.444,00		-4,02		165,02		1.417.031,79	
20/11/2014 21:30	120,64		75,40%	8,05		255,07		186,89		10,65		1.378,00		-4,01		164,24		1.409.874,52	
20/11/2014 22:30	119,01		74,38%	7,82		245,78		185,42		10,64		1.356,00		-4,03		163,69		1.424.865,34	
20/11/2014 23:30	117,86		73,66%	12,01		309,48		140,95		12,01		846,00		-3,90		157,95		1.357.701,90	
21/11/2014 00:30	87,20		54,50%	14,69		188,09		105,99		11,12		635,00		-3,67		145,64		1.193.936,67	
21/11/2014 01:30	91,72		57,33%	6,68		81,96		102,59		11,70		576,00		-3,71		142,53		1.137.663,17	
21/11/2014 02:30	86,46		54,04%	6,67		1,16	IR	101,46		11,72		570,00		-3,76		144,26		1.122.667,60	
21/11/2014 03:30	85,74		53,59%	6,94		0,07	IR	112,99		12,28		483,00		-3,78		144,87		1.130.730,13	

23/11/2014 19:30	117,70		73,56%																
23/11/2014 20:30	116,63		72,89%																
23/11/2014 21:30	114,60		71,63%																
23/11/2014 22:30	114,73		71,71%																
23/11/2014 23:30	114,93		71,83%																
24/11/2014 00:30	114,10		71,31%																
24/11/2014 01:30	113,06		70,66%																
24/11/2014 02:30	111,87		69,92%																
24/11/2014 03:30	111,77		69,86%																
24/11/2014 04:30	112,82		70,51%																
24/11/2014 05:30	111,21		69,51%																
24/11/2014 06:30	112,54		70,34%																
24/11/2014 07:30	112,34		70,21%																
24/11/2014 08:30	113,58		70,99%																
24/11/2014 09:30	115,94		72,46%																
24/11/2014 10:30	116,47		72,79%																
24/11/2014 11:30	115,62		72,26%																
24/11/2014 12:30	116,11		72,57%																
24/11/2014 13:30	115,75		72,34%	8,07	?S	350,58	?S	200,69	?S	10,52	?S	1.954,00	?S	-4,03	?S	168,67	?S	1.528.306,44	?S
24/11/2014 14:30	116,65		72,91%	7,97		345,38		200,55		10,42		2.027,00		-3,97		170,15		1.529.627,42	
24/11/2014 15:30	117,99		73,74%																
24/11/2014 16:30	117,42		73,39%																
24/11/2014 17:30	116,93		73,08%																
24/11/2014 18:30	117,22		73,26%																
24/11/2014 19:30	118,86		74,29%																
24/11/2014 20:30	119,16		74,48%																
24/11/2014 21:30	119,36		74,60%																
24/11/2014 22:30	118,31		73,94%																
24/11/2014 23:30	116,24		72,65%																
25/11/2014 00:30	114,68		71,68%																
25/11/2014 01:30	114,57		71,61%																
25/11/2014 02:30	114,71		71,69%																
25/11/2014 03:30	115,13		71,96%																
25/11/2014 04:30	115,88		72,43%																
25/11/2014 05:30	115,02		71,89%																
25/11/2014 06:30	115,49		72,18%																
25/11/2014 07:30	114,64		71,65%																
25/11/2014 08:30	114,56		71,60%																
25/11/2014 09:30	114,68		71,68%																
25/11/2014 10:30	113,74		71,09%																
25/11/2014 11:30	114,05		71,28%																
25/11/2014 12:30	114,56		71,60%	8,93	?S	375,94	?S	206,16	?S	10,76	?S	1.976,00	?S	-3,92	?S	164,19	?S	1.574.163,26	?S
25/11/2014 13:30	113,26		70,79%	8,84		485,22		222,03		11,53		1.866,00		-3,85		162,68		1.487.232,35	
25/11/2014 14:30	106,79		66,74%	8,61		407,47		204,41		10,63		2.110,00		-3,90		161,69		1.507.506,10	
25/11/2014 15:30	117,20		73,25%	8,56		424,46		202,80		10,60		2.150,00		-4,09		167,00		1.530.982,86	
25/11/2014 16:30	116,38		72,74%	8,80		434,30		202,10		10,48		2.121,00		-4,16		168,83		1.533.470,83	
25/11/2014 17:30	117,26		73,29%	8,98		430,47		202,83		10,45		2.137,00		-4,17		169,43		1.542.530,40	
25/11/2014 18:30	117,41		73,38%	9,94		429,21		207,49		10,60		2.205,00		-4,13		166,39		1.507.769,30	
25/11/2014 19:30	117,65		73,53%	8,87		437,64		200,83		10,47		2.228,00		-4,26		167,46		1.540.597,14	
25/11/2014 20:30	117,87		73,67%	8,98		437,81		203,31		10,44		2.285,00		-4,27		168,31		1.542.414,96	
25/11/2014 21:30	117,33		73,33%	8,86		493,59		207,05		10,37		2.417,00		-4,32		167,98		1.539.263,28	
25/11/2014 22:30	117,05		73,16%	8,78		525,57		207,59		10,30		2.452,00		-4,33		167,47		1.542.300,13	
25/11/2014 23:30	117,58		73,49%	8,95		469,74		207,43		10,47		2.440,00		-4,14		165,44		1.533.555,22	
26/11/2014 00:30	116,98		73,11%	9,03		463,83		202,58		10,45		2.467,00		-4,08		164,67		1.557.363,98	
26/11/2014 01:30	117,14		73,21%	8,98		435,76		193,63		10,74		2.326,00		-4,02		165,08		1.537.418,93	
26/11/2014 02:30	112,27		70,17%	10,35		433,29		109,77		13,15		1.161,00		-4,00		157,50		1.413.017,59	
26/11/2014 03:30	78,35		48,97%	13,08		362,48		88,19		14,37		924,00		-3,76		148,35		1.308.632,22	
26/11/2014 04:30	57,06		35,66%	16,92		402,94		2,68		20,93		15,00		-3,38		127,13		559.226,84	
26/11/2014 05:30	0,00		0,00%	10,17		234,67		2,35		20,92		10,00		-3,11		116,05		545.766,56	
26/11/2014 06:30	0,00		0,00%	6,40		41,03		2,11		20,92		8,00		-2,76		101,70		548.020,07	
26/11/2014 07:30	0,00		0,00%	6,46		23,34		2,04		20,92		7,00		-2,42		88,76		542.676,31	
26/11/2014 08:30	0,00		0,00%	6,34		13,04		1,95		20,92		7,00		-2,14		78,98		536.822,00	
26/11/2014 09:30	0,00		0,00%	5,52		16,84		1,85		20,92		7,00		-1,92		71,37		568.497,14	

