

RELATÓRIO DE IRRADIAÇÕES

Cliente: ENGESOLO ENGENHARIA
 Obra: ÁREAS EM IBATIBA
 Município: IBATIBA
 Estado: ES
 Local: IBATIBA
 Arquivo: C:\1-SERVIÇOS\ENGESOLO ESPIRITO SANTO\IBATIBA\IBATIBA1-REV-1.cad
 CÁLCULO: Topográfico

ESTAÇÃO	PONTO VISADO	DESCRIÇÃO	ÂNGULO.HZ	AZIMUTE	DISTÂNCIA	COORD.NORTE	COORD.ESTE	COTA
IB01	2	PONTE	326°58'44"	134°34'36"	12.028	7760648.813	237820.958	739.678
IB01	3	PONTE	10°34'21"	178°10'13"	9.352	7760647.907	237812.690	739.683
IB01	4	PONTE	168°38'31"	336°14'23"	2.216	7760659.283	237811.498	739.704
IB01	5	PONTE	259°38'45"	67°14'37"	7.912	7760660.316	237819.688	739.703
IB01	6	CASA	15°41'52"	183°17'44"	9.717	7760647.554	237811.832	738.793
IB01	7	CRISTA	24°14'53"	191°50'45"	8.087	7760649.340	237810.731	738.413
IB01	8	CRISTA	54°49'25"	222°25'17"	11.698	7760648.619	237804.500	738.669
IB01	9	CRISTA	62°07'51"	229°43'43"	18.660	7760645.193	237798.154	738.009
IB01	10	CASA	51°25'31"	219°01'23"	13.780	7760646.550	237803.715	739.120
IB01	11	CASA	51°28'01"	219°03'53"	17.171	7760643.923	237801.570	738.770
IB01	12	CASA	54°54'25"	222°30'17"	20.242	7760642.332	237798.714	738.517
OL1	13	NA	23°59'44"	126°01'33"	16.554	7760650.475	237811.907	736.938
OL1	14	NA	86°08'01"	188°09'50"	10.987	7760649.335	237796.959	736.674
OL1	15	NA	92°34'38"	194°36'27"	13.812	7760646.845	237795.036	736.684
OL1	16	NA	88°24'31"	190°26'20"	17.939	7760642.569	237795.269	736.662
OL1	17	NA	88°09'16"	190°11'05"	26.386	7760634.241	237793.854	736.622
OL1	18	NA	93°40'06"	195°41'55"	33.972	7760627.507	237789.327	736.609
OL1	19	CASA	89°07'25"	191°09'14"	40.081	7760620.887	237790.766	738.338
OL1	20	CASA	85°53'39"	187°55'28"	25.917	7760634.542	237794.946	736.918
OL1	21	CASA	82°12'58"	184°14'47"	21.715	7760638.556	237796.911	738.200
OL1	22	CASA	82°13'46"	184°15'35"	25.361	7760634.921	237796.635	738.500
OL1	23	CASA	77°22'50"	179°24'39"	21.406	7760638.806	237798.739	738.793
OL1	24	CASA	67°51'49"	169°53'38"	17.819	7760642.669	237801.646	738.608
OL1	25	CASA	59°06'10"	161°07'59"	16.913	7760644.207	237803.988	738.872
OL1	26	CASA	322°03'24"	64°05'13"	14.204	7760666.418	237811.295	739.633
OL1	27	CASA	301°20'49"	43°22'38"	14.377	7760670.661	237808.393	739.807
OL1	28	CASA	295°40'01"	37°41'50"	13.596	7760670.969	237806.833	739.851
OL1	29	CASA	283°26'07"	25°27'56"	6.250	7760665.854	237801.206	740.080
OL1	30	CASA	157°43'35"	259°45'24"	4.714	7760659.373	237793.880	741.235
OL1	31	CASA	177°56'45"	279°58'34"	9.737	7760661.898	237788.929	745.050
OL1	32	CASA	149°54'07"	251°55'56"	13.777	7760655.938	237785.421	744.874
OL1	33	CASA	147°57'12"	249°59'01"	14.343	7760655.302	237785.043	744.703
OL1	34	CASA	136°10'40"	238°12'29"	19.707	7760649.829	237781.769	746.341
OL1	35	CASA	120°59'15"	223°01'04"	20.754	7760645.037	237784.360	741.088
OL1	36	BAMBU	121°52'11"	223°54'00"	19.541	7760646.131	237784.970	740.964
OL1	37	BAMBU	121°04'23"	223°06'12"	17.527	7760647.414	237786.543	740.184
OL1	38	BAMBU	118°50'24"	220°52'13"	16.623	7760647.641	237787.642	739.276
OL1	39	BAMBU	114°25'35"	216°27'24"	16.915	7760646.606	237788.468	738.403
OL1	40	NA	114°23'02"	216°24'51"	13.615	7760649.254	237790.437	736.719
OL1	41	NA	112°39'43"	214°41'32"	9.508	7760652.393	237793.107	736.702
OL1	42	NA	51°21'29"	153°23'18"	5.341	7760655.436	237800.911	736.775
OL1	43	NA	8°38'33"	110°40'22"	11.926	7760656.001	237809.677	736.888
OL1	44	CRISTA	351°57'49"	93°59'38"	10.330	7760659.492	237808.824	738.954
OL1	45	CRISTA	346°37'27"	88°39'16"	6.774	7760660.370	237805.291	739.471
OL1	46	CRISTA	104°55'03"	206°56'52"	1.528	7760658.849	237797.827	739.659
OL1	47	CRISTA	117°34'53"	219°36'42"	10.651	7760652.006	237791.728	737.418
OL1	48	ALA	343°52'55"	85°54'44"	10.720	7760660.975	237809.211	739.391
OL1	49	ALA	350°31'08"	92°32'57"	12.790	7760659.642	237811.297	739.861
OL1	50	POSTE	338°53'19"	80°55'08"	12.905	7760662.248	237811.262	739.574
OL1	51	CASA	324°00'23"	66°02'12"	29.969	7760672.383	237825.905	739.864
OL1	52	CASA	335°50'27"	77°52'16"	35.288	7760667.626	237833.019	739.974
OL1	53	CASA	339°02'10"	81°03'59"	27.529	7760664.486	237825.714	739.655
OL1	54	CASA	339°18'10"	81°19'59"	26.405	7760664.190	237824.623	739.693
OL1	55	CASA	343°36'34"	85°38'23"	21.500	7760661.846	237819.957	739.685
OL1	56	CASA	357°26'04"	99°27'53"	22.720	7760656.475	237820.930	737.664
OL2	57	NA	178°11'00"	190°07'13"	54.007	7760568.332	237780.845	736.466
OL2	58	CASA	16°20'10"	28°16'23"	10.861	7760631.064	237795.480	738.732

RELATÓRIO DE IRRADIAÇÕES

Cliente: ENGESOLO ENGENHARIA

Obra: ÁREAS EM IBATIBA

Município: IBATIBA

Estado: ES

Local: IBATIBA

Arquivo: C:\1-SERVIÇOS\ENGESOLO ESPIRITO SANTO\IBATIBA\IBATIBA1-REV-1.cad

CÁLCULO: Topográfico

ESTAÇÃO	PONTO VISADO	DESCRIÇÃO	ÂNGULO.HZ	AZIMUTE	DISTÂNCIA	COORD.NORTE	COORD.ESTE	COTA
OL2	59	CASA	76°19'32"	88°15'45"	7.800	7760621.735	237798.132	738.998
OL2	60	NA	181°15'21"	193°11'34"	46.569	7760576.159	237779.707	736.478
OL2	61	NA	183°07'39"	195°03'52"	39.774	7760583.092	237779.998	736.487
OL2	62	NA	192°00'29"	203°56'42"	28.214	7760595.713	237778.884	736.509
OL2	63	NA	184°14'19"	196°10'32"	15.998	7760606.134	237785.878	736.577
OL2	64	ARV	178°57'22"	190°53'35"	15.819	7760605.964	237787.346	738.065
OL2	65	CASA	170°02'04"	181°58'17"	15.456	7760606.053	237789.803	738.263
OL2	66	NA	182°56'27"	194°52'40"	27.159	7760595.250	237783.362	736.536
OL2	67	CASA	169°30'44"	181°26'57"	28.106	7760593.402	237789.624	738.691
OL2	68	CASA	170°39'54"	182°36'07"	25.430	7760596.095	237789.181	738.482
OL2	69	ARV	172°33'28"	184°29'41"	22.313	7760599.254	237788.587	738.395
OL2	70	CASA	206°19'48"	218°16'01"	32.143	7760596.263	237770.428	745.070
OL2	71	BAMBUL	206°29'50"	218°26'03"	28.049	7760599.528	237772.900	744.730
OL2	72	CASA	212°24'37"	224°20'50"	27.081	7760602.133	237771.405	744.968
OL2	73	CASA	209°47'24"	221°43'37"	25.729	7760602.297	237773.210	744.559
OL2	74	CASA	220°00'27"	231°56'40"	20.383	7760608.934	237774.285	743.733
OL2	75	CASA	233°55'14"	245°51'27"	20.357	7760613.173	237771.759	745.005
OL2	76	CASA	245°42'55"	257°39'08"	17.752	7760617.703	237772.994	745.256
OL2	77	CASA	248°18'48"	260°15'01"	18.847	7760618.307	237771.760	745.876
OL2	78	CASA	256°41'15"	268°37'28"	18.127	7760621.064	237772.213	746.131
OL2	79	CASA	259°01'00"	270°57'13"	19.428	7760621.822	237770.910	747.167
OL2	80	CASA	290°49'37"	302°45'50"	20.346	7760632.510	237773.226	747.837
OL2	81	CASA	308°46'23"	320°42'36"	15.192	7760633.257	237780.715	741.226
OL2	82	CASA	324°33'32"	336°29'45"	19.795	7760639.651	237782.440	740.704
OL2	83	DDAGUA	299°21'50"	311°18'03"	18.638	7760633.800	237776.333	743.582
OL2	84	DDAGUA	297°11'56"	309°08'09"	18.269	7760633.030	237776.165	743.588
OL2	85	DDAGUA	314°59'33"	326°55'46"	10.979	7760630.700	237784.344	737.351
OL2	86	DDAGUA	317°51'25"	329°47'38"	11.508	7760631.445	237784.545	737.439
OL2	87	NA	315°02'35"	326°58'48"	10.302	7760630.137	237784.721	736.591
OL2	88	NA	259°13'20"	271°09'33"	6.597	7760621.632	237783.739	736.561
OL2	89	NA	207°21'33"	219°17'46"	15.667	7760609.374	237780.413	736.568
OL3	90	CRISTA	0°28'28"	11°19'41"	46.065	7760611.795	237788.863	738.406
OL3	91	CRISTA	359°58'58"	10°50'11"	40.234	7760606.144	237787.379	737.851
OL3	92	CRISTA	1°46'03"	12°37'16"	33.716	7760599.529	237787.182	738.076
OL3	93	CRISTA	4°14'15"	15°05'28"	29.966	7760595.560	237787.616	738.177
OL3	94	CASA	4°21'17"	15°12'30"	27.343	7760593.013	237786.988	737.239
OL3	95	CASA	15°55'08"	26°46'21"	15.630	7760580.582	237786.855	736.876
OL3	96	CASA	59°19'17"	70°10'30"	8.574	7760569.536	237787.880	737.058
OL3	97	MUROARRI	61°55'05"	72°46'18"	9.881	7760569.554	237789.252	736.865
OL3	98	MUROARRI	300°50'25"	311°41'38"	1.560	7760567.665	237778.650	737.957
OL3	99	MUROARRI	120°48'03"	131°39'16"	16.907	7760555.391	237792.447	738.006
OL3	100	MUROARRI	329°53'18"	340°44'31"	7.817	7760574.007	237777.236	738.951
OL3	101	MUROARRI	338°15'36"	349°06'49"	16.962	7760583.285	237776.611	739.456
OL3	102	CASA	120°47'55"	131°39'08"	17.211	7760555.189	237792.675	738.382
OL3	103	CASA	138°03'23"	148°54'36"	27.095	7760543.425	237793.806	738.477
OL3	104	CASA	349°06'06"	359°57'19"	1.599	7760568.226	237779.813	737.698
OL3	105	CASA	171°40'28"	182°31'41"	13.180	7760553.461	237779.233	737.910
OL3	106	CASA	145°45'38"	156°36'51"	27.547	7760541.343	237790.749	736.931
OL3	107	CASA	167°22'50"	178°14'03"	13.406	7760553.228	237780.228	737.673
OL3	108	CASA	168°30'33"	179°21'46"	17.766	7760548.863	237780.012	737.998
OL3	109	CASA	168°49'10"	179°40'23"	18.798	7760547.830	237779.922	738.055
OL3	110	CASA	168°42'58"	179°34'11"	22.937	7760543.691	237779.987	739.067
OL3	111	VIGA	148°07'30"	158°58'43"	40.860	7760528.487	237794.472	737.557
OL3	112	VIGA	150°20'33"	161°11'46"	40.475	7760528.313	237792.861	739.042
OL3	113	VIGA	146°45'01"	157°36'14"	36.650	7760532.742	237793.779	737.454
OL3	114	VIGA	149°11'31"	160°02'44"	36.050	7760532.741	237792.118	738.993
OL3	115	CASA	150°47'33"	161°38'46"	41.833	7760526.922	237792.987	739.442

RELATÓRIO DE IRRADIAÇÕES

Cliente: ENGESOLO ENGENHARIA

Obra: ÁREAS EM IBATIBA

Município: IBATIBA

Estado: ES

Local: IBATIBA

Arquivo: C:\1-SERVIÇOS\ENGESOLO ESPIRITO SANTO\IBATIBA\IBATIBA1-REV-1.cad

CÁLCULO: Topográfico

ESTAÇÃO	PONTO VISADO	DESCRIÇÃO	ÂNGULO.HZ	AZIMUTE	DISTÂNCIA	COORD.NORTE	COORD.ESTE	COTA
OL3	116	CASA	165°25'51"	176°17'04"	24.264	7760542.415	237781.387	739.362
OL3	117	CASA	165°02'28"	175°53'41"	26.065	7760540.629	237781.681	738.476
OL3	118	CASA	160°11'59"	171°03'12"	26.494	7760540.456	237783.935	737.671
OL3	119	CASA	158°32'16"	169°23'29"	34.098	7760533.112	237786.092	737.833
OL3	120	CASA	158°14'59"	169°06'12"	37.089	7760530.207	237786.826	737.780
OL3	121	CASA	155°12'58"	166°04'11"	36.969	7760530.746	237788.715	735.203
OL3	123	VIGA	156°18'52"	167°10'05"	36.822	7760530.726	237787.992	739.526
OL3	124	VIGA	157°50'16"	168°41'29"	37.091	7760530.257	237787.088	737.737
OL3	125	CRARRIMO	156°33'12"	167°24'25"	42.515	7760525.135	237789.084	737.773
OL3	126	CRARRIMO	157°34'12"	168°25'25"	35.548	7760531.802	237786.948	737.772
OL3	127	PEARRIMO	156°23'21"	167°14'34"	42.446	7760525.230	237789.188	736.555
OL3	128	CRGABIAO	157°50'45"	168°41'58"	34.750	7760532.551	237786.624	737.715
OL3	129	CRGABIAO	160°37'39"	171°28'52"	25.767	7760541.145	237783.631	737.450
OL3	130	NA	148°35'09"	159°26'22"	41.300	7760527.958	237794.319	736.221
OL3	131	NA	155°37'10"	166°28'23"	41.955	7760525.836	237789.628	736.334
OL3	132	NA	155°45'21"	166°36'34"	34.766	7760532.807	237787.866	736.368
OL3	133	NA	147°19'58"	158°11'11"	27.353	7760541.233	237789.979	736.375
OL3	134	NA	157°32'31"	168°23'44"	25.596	7760541.555	237784.963	736.295
OL3	135	NA	128°00'31"	138°51'44"	14.138	7760555.980	237789.116	736.380
OL3	136	ARV	163°56'38"	174°47'51"	22.052	7760544.666	237781.814	739.222
OL3	137	NA	42°28'26"	53°19'39"	6.555	7760570.543	237785.072	736.477
OL3	138	NA	156°25'19"	167°16'32"	17.258	7760549.793	237783.616	736.317
OL3	139	NA	11°07'37"	21°58'50"	14.213	7760579.808	237785.135	736.519
OL3	140	NA	137°16'36"	148°07'49"	8.456	7760559.447	237784.279	736.325
OL3	141	CRISTA	12°09'47"	23°01'00"	14.333	7760579.820	237785.419	736.691
OL3	142	CRISTA	157°18'53"	168°10'06"	16.617	7760550.364	237783.222	737.692
OL3	143	CRISTA	55°18'59"	66°10'12"	6.918	7760569.423	237786.143	737.064
OL3	144	CRISTA	149°02'57"	159°54'10"	10.379	7760556.881	237783.381	737.649
OL3	145	CRISTA	124°20'51"	135°12'04"	15.287	7760555.780	237790.586	737.227
OL3	146	CRISTA	112°29'44"	123°20'57"	1.819	7760565.628	237781.334	737.540
OL3	147	CRISTA	123°09'42"	134°00'55"	16.783	7760554.966	237791.884	738.337
OL3	148	CRISTA	345°16'57"	356°08'10"	2.092	7760568.714	237779.674	738.534
OL3	149	CRISTA	135°27'21"	146°18'34"	21.357	7760548.857	237791.662	738.538
OL4	150	PONTE	336°07'20"	318°22'26"	13.716	7760524.805	237787.371	739.848
OL4	151	PONTE	33°53'17"	16°08'23"	11.056	7760525.172	237799.556	739.770
OL4	152	PONTE	299°39'46"	281°54'52"	8.873	7760516.384	237787.801	739.878
OL4	153	PONTE	87°20'43"	69°35'49"	3.609	7760515.810	237799.865	739.801
OL4	154	TESTADA	346°05'19"	328°20'25"	14.425	7760526.830	237788.911	740.403
OL4	155	TESTADA	22°35'12"	4°50'18"	12.223	7760526.731	237797.514	739.823
OL4	156	TESTADA	339°09'31"	321°24'37"	15.726	7760526.843	237786.674	739.957
OL4	157	TESTADA	43°28'37"	25°43'43"	13.795	7760526.979	237802.471	739.768
OL4	158	TESTADA	329°58'36"	312°13'42"	18.710	7760527.126	237782.628	739.665
OL4	159	TESTADA	45°09'52"	27°24'58"	14.067	7760527.038	237802.960	739.863
OL4	160	TESTADA	320°04'12"	302°19'18"	24.844	7760527.835	237775.488	739.726
OL4	161	TESTADA	64°22'35"	46°37'41"	19.097	7760527.666	237810.365	739.796