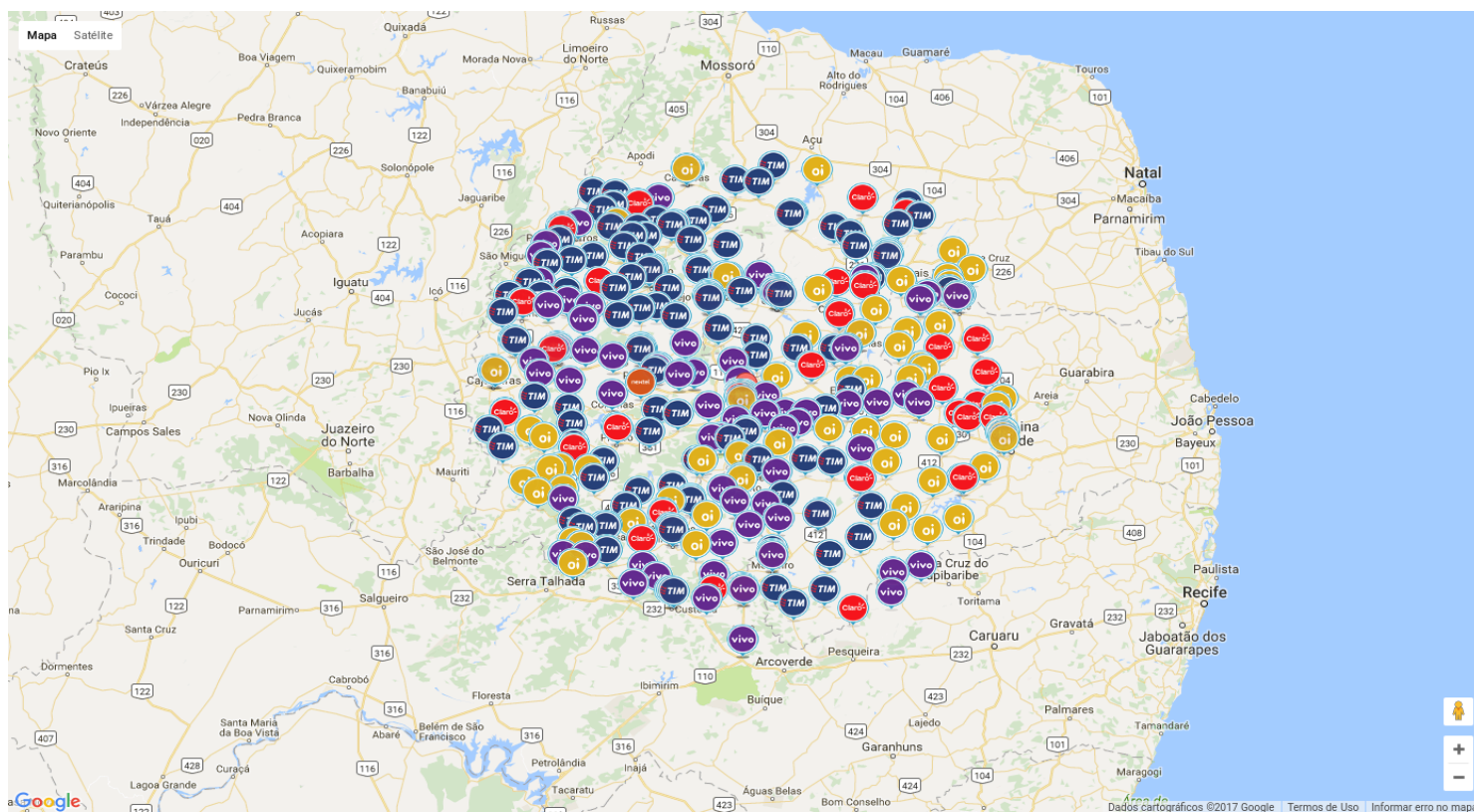


# Cobertura Celular

Endereço: patos, pb

Coordenadas geográficas: -7.018325, -37.254407



























**Atenção!** Este ponto encontra-se a 1518 metros de distância da torre mais próxima. Se estiver experimentando problemas de sinal, pode ser em razão de obstáculos construtivos ou de características de relevo entre a torre e o telefone.


Para resolver eventuais problemas de sinal, recomenda-se o uso de um Kit Amplificador Celular. Maiores informações em [www.neger.net.br](http://www.neger.net.br) ou através do 0800 887 0868.






Operadoras Seleccionadas: TODAS















Tecnologias Seleccionadas: TODAS



















	Operadora	Latitude	Longitude	Distância	Azimuth
	TIM	-7.016556	-37.268028	1.518	-82.59
	CLARO	-7.020000	-37.270000	1.733	-96.14
	CLARO	-7.020000	-37.270000	1.733	-96.14
	VIVO	-7.026250	-37.276056	2.548	-110.12
	TIM	-7.027111	-37.276972	2.676	-111.29
	VIVO	-7.027167	-37.277028	2.684	-111.37
	OI	-7.027111	-37.277056	2.685	-111.22
	TIM	-7.019083	-37.283056	3.167	-91.52

	Operadora	Latitude	Longitude	Distância	Azimute
	TIM	-7.036028	-37.277000	3.172	-128.11
	VIVO	-7.019139	-37.283181	3.181	-91.62
	OI	-7.021139	-37.284472	3.337	-95.35
	TIM	-7.027778	-37.284472	3.483	-107.47
	TIM	-7.010889	-37.285278	3.509	-76.45
	OI	-7.007722	-37.284361	3.511	-70.49
	VIVO	-7.011133	-37.285569	3.534	-77.00
	CLARO	-7.011300	-37.285800	3.555	-77.38
	VIVO	-7.032500	-37.288081	4.037	-112.85
	OI	-7.032389	-37.288333	4.058	-112.54
	TIM	-7.034444	-37.288333	4.151	-115.44
	CLARO	-7.033333	-37.289500	4.218	-113.18
	OI	-7.051972	-37.274694	4.344	-148.94
	VIVO	-7.051969	-37.274700	4.344	-148.93
	VIVO	-7.052500	-37.274172	4.365	-149.98
	TIM	-7.052167	-37.274944	4.377	-148.77
	VIVO	-6.948939	-37.288306	8.539	-26.02
	VIVO	-7.030567	-37.149469	11.673	96.67
	VIVO	-7.128361	-37.153861	16.476	137.62
	TIM	-7.128361	-37.153861	16.476	137.62
	VIVO	-7.159528	-37.306278	16.634	-159.85
	VIVO	-7.159528	-37.306278	16.634	-159.85
	OI	-6.927869	-37.096431	20.120	60.19
	VIVO	-6.844725	-37.322789	20.632	-21.49
	VIVO	-6.844750	-37.322889	20.634	-21.52
	CLARO	-7.217500	-37.248442	22.037	178.29
	VIVO	-7.084189	-37.444175	22.195	-109.17
	TIM	-7.223917	-37.252389	22.738	179.44
	TIM	-6.812139	-37.199111	23.607	15.01
	VIVO	-7.122783	-37.049556	25.410	117.05






























	Operadora	Latitude	Longitude	Distância	Azimute
	VIVO	-7.122833	-37.049556	25.412	117.07
	TIM	-7.264389	-37.338667	28.760	-161.12
	TIM	-7.252861	-37.384194	29.636	-151.08
	VIVO	-7.252861	-37.384194	29.636	-151.08
	CLARO	-7.252561	-37.385000	29.650	-150.90
	VIVO	-7.210306	-37.058083	30.350	134.40
	TIM	-7.210500	-37.058222	30.354	134.45
	TIM	-6.903500	-37.516694	31.644	-66.36
	VIVO	-6.903358	-37.516672	31.648	-66.33
	VIVO	-6.905056	-37.521750	32.089	-67.04
	VIVO	-6.905056	-37.521750	32.089	-67.04
	VIVO	-7.256397	-37.430558	32.739	-143.54
	TIM	-6.717306	-37.200944	33.810	10.07
	VIVO	-7.177769	-36.983600	34.726	120.53
	OI	-7.288631	-37.086967	35.152	148.27
	VIVO	-7.122639	-36.943556	36.228	108.59
	VIVO	-7.122639	-36.943556	36.228	108.59
	TIM	-7.346917	-37.287528	36.523	-174.25
	CLARO	-7.348889	-37.285800	36.722	-174.58
	OI	-7.349333	-37.287417	36.788	-174.31
	TIM	-6.771444	-36.992472	39.793	46.69
	TIM	-6.909389	-37.597889	39.822	-72.41
	CLARO	-7.374811	-37.196400	39.942	170.77
	VIVO	-6.913908	-37.600844	39.986	-73.24
	VIVO	-6.914083	-37.600944	39.991	-73.27
	TIM	-7.379083	-37.189389	40.538	169.80
	TIM	-7.126611	-37.608583	40.920	-107.04
	TIM	-6.864167	-36.917778	40.921	65.40
	CLARO	-6.864489	-36.915950	41.090	65.56
	TIM	-6.666278	-37.399500	42.107	-22.40





	Operadora	Latitude	Longitude	Distância	Azimute
	VIVO	-6.746889	-37.569389	45.968	-49.25
	VIVO	-6.746889	-37.569389	45.968	-49.25
	TIM	-7.102333	-36.844500	46.230	101.62
	OI	-7.376389	-37.480000	46.786	-147.84
	OI	-6.704358	-36.946139	48.647	44.48
	TIM	-7.378611	-37.509139	48.777	-144.79
	TIM	-7.469444	-37.275972	49.947	-177.27
	VIVO	-7.445167	-37.093500	50.439	159.38
	OI	-7.484447	-37.278342	51.617	-177.07
	TIM	-7.484722	-37.278611	51.649	-177.03
	CLARO	-7.484833	-37.278361	51.660	-177.07
	TIM	-7.106056	-37.714222	51.719	-100.84
	OI	-7.207389	-36.825269	51.812	113.83
	TIM	-7.207389	-36.825250	51.814	113.83
	TIM	-7.375944	-36.944611	52.297	139.15
	CLARO	-6.874400	-37.706283	52.411	-72.35
	TIM	-6.876806	-37.716667	53.427	-72.99
	VIVO	-6.876939	-37.717200	53.479	-73.03
	TIM	-6.876806	-37.717611	53.527	-73.03
	TIM	-6.892806	-37.724444	53.765	-75.07
	TIM	-6.773333	-36.800056	57.058	61.68
	VIVO	-7.073611	-36.729444	58.322	96.05
	TIM	-7.073556	-36.729222	58.345	96.04
	TIM	-7.537083	-37.376444	58.932	-166.79
	VIVO	-7.537528	-37.376194	58.974	-166.83
	TIM	-7.224222	-37.752222	59.520	-112.52
	TIM	-6.995806	-36.713083	59.865	87.65
	OI	-6.945333	-36.715194	60.127	82.32
	NEXTEL	-6.961222	-37.800389	60.659	-84.06
	VIVO	-6.961222	-37.800389	60.659	-84.06

	Operadora	Latitude	Longitude	Distância	Azimute
	TIM	-6.501444	-37.448417	61.053	-20.58
	TIM	-6.600056	-37.615528	61.099	-40.81
	TIM	-6.464667	-37.274694	61.270	-2.10
	CLARO	-6.495231	-37.448042	61.682	-20.32
	VIVO	-6.493333	-37.443583	61.711	-19.82
	TIM	-6.494583	-37.447139	61.715	-20.21
	OI	-6.487783	-37.450006	62.530	-20.24
	TIM	-6.487722	-37.449972	62.535	-20.24
	TIM	-6.474333	-37.096306	62.647	16.21
	VIVO	-6.474183	-37.096131	62.669	16.22
	VIVO	-6.486111	-37.450556	62.725	-20.24
	TIM	-6.478000	-37.074111	62.991	18.46
	TIM	-6.467861	-37.107694	62.999	14.93
	VIVO	-6.772219	-36.739400	63.091	64.48
	VIVO	-6.469444	-37.087525	63.442	16.92
	TIM	-6.468056	-37.086944	63.608	16.93
	VIVO	-6.468000	-37.087028	63.611	16.92
	OI	-6.770553	-36.733333	63.775	64.59
	CLARO	-6.464911	-37.091900	63.784	16.37
	OI	-6.464861	-37.091806	63.793	16.38
	TIM	-6.473194	-37.446194	63.906	-19.39
	CLARO	-6.460150	-37.100161	64.040	15.45
	VIVO	-6.460056	-37.100083	64.053	15.46
	TIM	-6.460056	-37.100083	64.053	15.46
	VIVO	-6.460056	-37.100083	64.053	15.46
	TIM	-7.567222	-37.064139	64.237	160.92
	TIM	-7.391833	-36.807972	64.323	129.98
	OI	-6.456194	-37.095944	64.587	15.75
	TIM	-7.601389	-37.311944	64.795	-174.38
	TIM	-7.602500	-37.308222	64.878	-174.75








	Operadora	Latitude	Longitude	Distância	Azimute
	VIVO	-7.602667	-37.308139	64.895	-174.76
	TIM	-6.451917	-37.095000	65.071	15.72
	CLARO	-6.771481	-37.792889	65.475	-65.39
	OI	-6.771111	-37.799169	66.124	-65.61
	VIVO	-6.771083	-37.799194	66.127	-65.61
	TIM	-6.771083	-37.799306	66.139	-65.61
	TIM	-6.777778	-37.803056	66.215	-66.35
	TIM	-6.764972	-37.797361	66.226	-65.00
	TIM	-6.441528	-37.090444	66.313	15.87
	VIVO	-7.620306	-37.151667	67.534	170.34
	TIM	-7.620528	-37.152528	67.542	170.42
	TIM	-7.517778	-37.635583	69.447	-142.71
	OI	-6.940278	-36.626944	69.870	82.94
	TIM	-7.587778	-37.537778	70.322	-153.60
	CLARO	-7.588028	-37.538056	70.361	-153.58
	CLARO	-6.381386	-37.345000	71.147	-8.10
	OI	-6.381611	-37.350778	71.215	-8.61
	TIM	-6.381556	-37.350806	71.222	-8.61
	TIM	-6.377222	-37.184028	71.325	6.27
	VIVO	-6.377222	-37.183889	71.327	6.28
	TIM	-7.596111	-37.541556	71.333	-153.63
	CLARO	-6.586389	-36.772203	71.575	48.16
	TIM	-6.579972	-36.772028	72.065	47.75
	TIM	-6.375722	-37.368361	72.173	-10.06
	OI	-7.219111	-36.631417	72.313	107.92
	TIM	-6.543028	-37.714417	73.136	-44.08
	TIM	-7.318139	-36.656556	73.892	116.70
	VIVO	-7.318056	-36.656417	73.902	116.69
	VIVO	-6.690269	-36.662472	74.812	61.03
	VIVO	-6.690269	-36.662472	74.812	61.03

























	Operadora	Latitude	Longitude	Distância	Azimute
	TIM	-7.067361	-36.578056	74.923	94.19
	TIM	-6.689833	-36.661389	74.940	61.04
	CLARO	-6.690331	-36.661097	74.941	61.09
	OI	-6.689175	-36.659725	75.136	61.06
	CLARO	-7.070189	-36.575192	75.262	94.41
	VIVO	-7.070200	-36.575100	75.272	94.41
	OI	-6.449722	-36.878886	75.350	33.46
	TIM	-7.203361	-37.917778	76.085	-105.64
	CLARO	-7.203531	-37.917772	76.090	-105.66
	TIM	-7.020750	-37.944417	76.240	-90.24
	VIVO	-7.020561	-37.945019	76.307	-90.23
	OI	-7.678556	-37.458917	76.428	-162.83
	CLARO	-7.198319	-37.925650	76.777	-105.07
	VIVO	-7.694861	-37.084778	77.128	165.96
	TIM	-7.695556	-37.083250	77.244	165.85
	TIM	-6.443611	-37.653444	77.368	-34.79
	OI	-7.601583	-37.645972	77.654	-146.19
	TIM	-6.350028	-37.498472	78.679	-20.07
	VIVO	-7.731500	-37.237833	78.893	178.67
	VIVO	-6.817525	-37.942522	79.223	-73.76
	VIVO	-6.817750	-37.942722	79.237	-73.78
	TIM	-6.555056	-37.806583	79.691	-50.03
	TIM	-6.336417	-37.503528	80.285	-20.08
	VIVO	-7.477194	-36.667583	82.311	128.10
	VIVO	-7.476939	-36.666675	82.373	128.04
	TIM	-7.670278	-36.881389	83.035	150.29
	VIVO	-7.664561	-36.869900	83.127	149.31
	TIM	-7.664556	-36.869861	83.129	149.31
	VIVO	-7.664778	-36.869861	83.150	149.32
	CLARO	-7.664889	-36.869769	83.166	149.32


























	Operadora	Latitude	Longitude	Distância	Azimute
	TIM	-7.665083	-36.869556	83.196	149.31
	CLARO	-7.484339	-36.660889	83.380	128.21
	TIM	-7.484389	-36.660722	83.398	128.21
	CLARO	-6.413389	-36.789194	84.386	37.58
	TIM	-7.546917	-37.806833	84.491	-133.81
	VIVO	-7.664556	-37.680639	85.571	-146.66
	CLARO	-7.665519	-37.682522	85.775	-146.59
	TIM	-6.594806	-37.915694	86.817	-57.39
	OI	-7.246528	-36.487694	88.374	106.64
	OI	-6.561675	-36.585578	89.536	55.71
	TIM	-6.213361	-37.351222	89.662	-6.86
	OI	-7.391250	-36.531556	89.860	117.37
	TIM	-7.382167	-37.990417	90.704	-116.38
	VIVO	-7.831222	-37.373750	90.861	-171.67
	OI	-7.746689	-37.635286	90.867	-152.46
	CLARO	-7.746639	-37.635700	90.883	-152.43
	TIM	-7.746639	-37.635722	90.884	-152.43
	TIM	-7.741389	-37.647222	90.968	-151.55
	VIVO	-7.750833	-37.639167	91.471	-152.35
	VIVO	-7.025000	-36.425000	91.644	90.51
	TIM	-7.757639	-37.632944	91.824	-152.95
	OI	-6.757306	-36.462222	92.189	71.80
	TIM	-6.339000	-37.738639	92.253	-35.51
	TIM	-6.344417	-37.746833	92.297	-36.18
	VIVO	-6.343889	-37.746833	92.344	-36.16
	OI	-6.343892	-37.746944	92.351	-36.16
	CLARO	-6.343922	-37.747042	92.355	-36.17
	TIM	-6.346694	-37.753333	92.520	-36.63
	CLARO	-6.432950	-36.641300	93.731	46.35
	TIM	-6.432556	-36.640306	93.840	46.38

































	Operadora	Latitude	Longitude	Distância	Azimute
	OI	-6.935333	-36.401056	94.741	84.49
	VIVO	-6.787231	-38.081392	94.903	-74.43
	TIM	-7.865833	-37.118333	94.924	170.90
	OI	-7.836667	-37.513889	94.928	-162.45
	TIM	-6.387083	-37.847333	95.764	-43.24
	TIM	-7.631389	-37.874611	96.366	-134.75
	VIVO	-6.391111	-36.641300	96.986	44.38
	TIM	-7.887361	-37.119083	97.263	171.17
	TIM	-6.184611	-37.537722	97.377	-18.79
	VIVO	-7.889444	-37.120000	97.475	171.25
	OI	-7.890847	-37.124181	97.560	171.54
	CLARO	-7.890833	-37.123889	97.563	171.52
	TIM	-6.445222	-37.928472	97.829	-49.66
	TIM	-7.894444	-37.119722	98.027	171.29
	VIVO	-7.894583	-37.119861	98.039	171.30
	TIM	-7.628472	-36.605306	98.438	133.31
	VIVO	-7.065833	-36.361667	98.774	93.10
	TIM	-7.065778	-36.361583	98.783	93.10
	CLARO	-7.065939	-36.361000	98.849	93.11
	OI	-6.680083	-36.420222	99.501	67.97
	TIM	-6.391389	-36.603889	99.899	46.09
	CLARO	-6.388300	-36.603100	100.200	45.98
	TIM	-7.477528	-38.038917	100.425	-120.43
	OI	-7.428694	-38.069278	100.791	-116.81
	VIVO	-6.946128	-38.165847	101.030	-85.52
	VIVO	-6.946278	-38.165972	101.042	-85.53
	TIM	-7.182806	-38.154722	101.109	-100.42
	OI	-7.718861	-37.844833	101.250	-139.96
	OI	-6.865278	-36.350000	101.368	80.44
	TIM	-7.717583	-37.848750	101.421	-139.72

	Operadora	Latitude	Longitude	Distância	Azimute
	TIM	-7.093306	-38.169639	101.456	-94.74
	TIM	-6.278389	-37.797361	101.491	-36.30
	TIM	-7.293611	-38.141944	102.654	-107.31
	VIVO	-6.617833	-38.096917	103.124	-64.62
	VIVO	-6.615472	-38.096500	103.195	-64.47
	OI	-6.882556	-36.329417	103.315	81.70
	CLARO	-7.311550	-38.142639	103.331	-108.35
	TIM	-7.312333	-38.143194	103.416	-108.38
	VIVO	-6.543619	-38.061414	103.511	-59.57
	VIVO	-6.543694	-38.061639	103.529	-59.58
	CLARO	-7.806569	-37.794603	105.620	-145.66
	TIM	-7.806667	-37.794528	105.624	-145.67
	TIM	-7.889500	-36.822611	107.491	153.71
	CLARO	-6.407778	-38.012500	107.629	-51.19
	TIM	-6.410833	-38.015333	107.662	-51.44
	TIM	-6.077917	-37.513861	107.885	-15.44
	TIM	-7.798889	-36.660056	108.430	142.80
	TIM	-6.217528	-36.681472	108.889	35.61
	TIM	-6.103722	-37.637639	109.666	-22.76
	TIM	-6.094917	-37.623583	109.978	-21.81
	VIVO	-8.000800	-37.418600	110.156	-170.54
	VIVO	-6.767833	-38.223222	110.599	-75.55
	VIVO	-6.767833	-38.223222	110.599	-75.55
	TIM	-6.160611	-37.769222	110.628	-31.00
	TIM	-6.044472	-37.022528	110.709	13.41
	CLARO	-6.757950	-38.227322	111.317	-75.07
	TIM	-6.760556	-38.230000	111.528	-75.25
	OI	-6.760300	-38.230297	111.567	-75.24
	TIM	-6.022278	-37.416056	111.593	-9.23
	OI	-6.404444	-36.453056	111.618	52.59


























	Operadora	Latitude	Longitude	Distância	Azimute
	CLARO	-6.769722	-38.233333	111.629	-75.80
	CLARO	-6.763411	-38.231900	111.651	-75.43
	VIVO	-6.759444	-38.231397	111.709	-75.21
	CLARO	-6.759400	-38.231400	111.711	-75.21
	VIVO	-6.759444	-38.231472	111.717	-75.21
	TIM	-6.035722	-37.015528	111.830	13.68
	CLARO	-6.035600	-37.015800	111.836	13.66
	TIM	-6.776250	-38.239750	112.142	-76.25
	VIVO	-6.776111	-38.239722	112.142	-76.24
	VIVO	-6.776111	-38.239722	112.142	-76.24
	TIM	-6.111472	-36.800528	112.148	26.62
	CLARO	-6.994008	-36.239600	112.162	88.69
	CLARO	-7.734583	-37.976833	112.410	-134.85
	TIM	-7.736806	-37.977000	112.597	-134.93
	TIM	-6.150306	-36.717472	112.874	31.77
	TIM	-6.215528	-37.887444	113.059	-38.29
	TIM	-7.732083	-37.989694	113.230	-134.24
	CLARO	-6.781550	-38.252731	113.398	-76.71
	OI	-7.634556	-36.432167	113.521	126.95
	CLARO	-6.769000	-36.254000	113.951	76.06
	VIVO	-6.508622	-36.353336	114.456	60.55
	TIM	-6.162250	-37.840278	114.720	-34.42
	CLARO	-6.508089	-36.350339	114.773	60.61
	TIM	-6.508139	-36.349944	114.808	60.62
	OI	-7.263167	-36.243167	114.938	103.69
	OI	-7.416781	-38.216289	115.010	-112.59
	OI	-7.727500	-36.491667	115.076	133.01
	TIM	-6.272944	-36.524722	115.347	44.43
	CLARO	-8.066500	-37.279678	115.955	-178.62
	CLARO	-8.067669	-37.267158	116.059	-179.31

	Operadora	Latitude	Longitude	Distância	Azimute
	TIM	-6.073333	-37.717250	116.369	-26.12
	VIVO	-6.513392	-38.179703	116.540	-61.43
	VIVO	-6.262500	-36.519278	116.595	44.24
	CLARO	-6.261611	-36.517900	116.772	44.26
	CLARO	-8.074444	-37.269164	116.811	-179.20
	TIM	-6.262222	-36.516667	116.818	44.34
	OI	-6.261958	-36.516669	116.839	44.33
	VIVO	-8.074750	-37.264750	116.839	-179.44
	VIVO	-6.262500	-36.516056	116.844	44.37
	OI	-8.075006	-37.266964	116.870	-179.32
	TIM	-8.075111	-37.266778	116.882	-179.33
	TIM	-6.252111	-36.525361	116.957	43.62
	TIM	-6.120000	-37.816750	117.205	-32.08
	VIVO	-8.081831	-37.264750	117.622	-179.44
	OI	-6.251122	-36.517519	117.636	43.89
	VIVO	-6.251750	-36.516056	117.698	43.97
	OI	-6.643111	-36.254472	118.060	69.48
	TIM	-8.074861	-37.099000	118.098	171.66
	OI	-7.251028	-38.300806	118.419	-102.62
	VIVO	-6.907778	-38.321411	118.540	-84.15
	VIVO	-7.951000	-37.786806	118.712	-150.36
	OI	-7.492444	-36.289417	118.768	116.26
	OI	-7.537361	-38.198694	119.031	-118.89
	CLARO	-8.081261	-37.426781	119.083	-170.82
	TIM	-6.464417	-38.183111	119.557	-59.23
	VIVO	-6.476789	-36.317200	119.674	60.03
	TIM	-6.272389	-38.046611	120.327	-46.77
	OI	-7.426811	-38.266219	120.532	-112.07
	TIM	-7.037472	-38.346333	120.664	-91.07
	CLARO	-8.010278	-37.718300	121.063	-155.01





















	Operadora	Latitude	Longitude	Distância	Azimute
	VIVO	-8.010281	-37.718300	121.063	-155.01
	VIVO	-7.590839	-38.197611	121.886	-121.36
	CLARO	-7.130556	-36.150694	122.565	95.88
	CLARO	-7.865831	-37.975194	122.946	-139.72
	VIVO	-6.844731	-38.353353	122.954	-81.08
	VIVO	-6.844806	-38.353528	122.972	-81.09
	TIM	-7.867111	-37.974444	123.000	-139.79
	TIM	-7.741778	-38.100833	123.020	-130.62
	VIVO	-6.540500	-38.278444	124.929	-65.04
	VIVO	-6.540500	-38.278444	124.929	-65.04
	TIM	-7.708750	-38.150417	124.966	-127.72
	OI	-7.214889	-38.368528	124.979	-100.09
	VIVO	-8.131464	-37.457269	125.125	-169.71
	VIVO	-8.086278	-37.637250	125.438	-160.34
	VIVO	-8.086278	-37.637250	125.438	-160.34
	TIM	-8.090222	-37.627917	125.507	-160.85
	TIM	-8.079806	-36.849861	125.596	159.20
	CLARO	-8.087417	-37.638833	125.616	-160.29
	TIM	-8.087528	-37.638583	125.618	-160.30
	OI	-8.087506	-37.638903	125.627	-160.28
	TIM	-8.088278	-37.650000	126.126	-159.77
	TIM	-6.113139	-37.952583	126.422	-37.69
	VIVO	-6.086833	-37.920667	126.654	-35.62
	VIVO	-6.086833	-37.920667	126.654	-35.62
	CLARO	-6.087589	-37.923231	126.751	-35.74
	OI	-6.086119	-37.926958	127.124	-35.85
	TIM	-6.085000	-37.926361	127.186	-35.79
	TIM	-5.867417	-37.186833	127.496	3.36
	TIM	-6.295778	-38.154444	127.629	-51.29
	VIVO	-5.955611	-37.705139	127.661	-23.01









	Operadora	Latitude	Longitude	Distância	Azimute
	TIM	-5.955611	-37.705139	127.661	-23.01
	CLARO	-7.151861	-36.104900	127.848	96.70
	TIM	-5.857833	-37.310583	128.487	-2.78
	TIM	-8.155083	-37.007917	128.627	167.81
	CLARO	-5.985428	-37.811117	129.766	-28.36
	TIM	-5.983833	-37.813639	130.054	-28.43
	VIVO	-8.048000	-37.834278	130.626	-150.70
	VIVO	-7.841833	-38.106083	130.895	-134.14
	CLARO	-7.841500	-38.106700	130.919	-134.11
	TIM	-6.486667	-38.312556	130.925	-63.38
	OI	-7.841942	-38.106611	130.946	-134.13
	TIM	-7.842056	-38.107167	130.998	-134.11
	OI	-6.453911	-36.203889	131.851	61.81
	OI	-7.756389	-36.313139	132.141	128.21
	TIM	-6.455278	-36.199583	132.199	61.96
	VIVO	-7.075944	-36.057639	132.377	92.83
	TIM	-7.078056	-36.055694	132.603	92.93
	CLARO	-7.077981	-36.055692	132.603	92.93
	OI	-7.553000	-38.331694	132.846	-116.50
	OI	-7.820556	-38.151414	132.955	-131.92
	CLARO	-7.477389	-36.137200	133.416	112.44
	TIM	-7.477500	-36.137194	133.422	112.44
	VIVO	-7.894389	-38.085889	133.457	-136.60
	TIM	-6.426889	-36.201528	133.522	60.73
	OI	-6.426689	-36.201400	133.545	60.73
	TIM	-6.097139	-36.466722	134.041	40.58
	CLARO	-7.476600	-36.130311	134.087	112.28
	VIVO	-6.487528	-36.161528	134.325	64.15
	OI	-6.387639	-36.213333	134.587	58.85
	VIVO	-6.484450	-36.157800	134.845	64.10



	Operadora	Latitude	Longitude	Distância	Azimute
	CLARO	-6.486611	-36.156083	134.911	64.23
	TIM	-6.486667	-36.155861	134.930	64.23
	CLARO	-5.955900	-36.652803	135.027	29.56
	TIM	-5.955833	-36.652833	135.032	29.56
	VIVO	-7.984000	-36.496889	135.632	141.99
	VIVO	-7.984000	-36.496889	135.632	141.99
	TIM	-6.730194	-38.448611	135.781	-76.50
	TIM	-6.484306	-36.146583	135.968	64.32
	VIVO	-6.406056	-38.322250	136.100	-60.23
	VIVO	-7.986889	-36.492528	136.180	141.92
	VIVO	-7.986889	-36.492528	136.180	141.92
	CLARO	-7.990028	-36.495833	136.229	142.13
	CLARO	-6.726881	-38.454039	136.450	-76.41
	CLARO	-6.722350	-36.054500	136.600	76.21
	TIM	-6.722361	-36.054444	136.605	76.21
	TIM	-5.992722	-37.943583	136.655	-33.94
	TIM	-6.723389	-38.457194	136.881	-76.29
	TIM	-7.496806	-38.404583	137.599	-112.69
	OI	-7.496811	-38.404600	137.601	-112.69
	TIM	-6.020917	-37.998222	137.603	-36.76
	CLARO	-6.902400	-36.012489	137.835	84.74
	TIM	-5.779194	-37.111028	137.948	6.61
	TIM	-6.311111	-38.282722	138.004	-55.54
	TIM	-7.119278	-38.499500	138.009	-94.72
	CLARO	-7.121769	-38.500650	138.158	-94.83
	CLARO	-6.521661	-38.410089	139.065	-66.81
	TIM	-6.522500	-38.412250	139.248	-66.88
	OI	-5.795833	-37.560300	139.364	-14.07
	TIM	-5.788667	-37.551222	139.894	-13.59
	TIM	-5.790278	-37.558611	139.915	-13.94

	Operadora	Latitude	Longitude	Distância	Azimute
	CLARO	-5.789742	-37.558761	139.977	-13.94
	VIVO	-5.788306	-37.559694	140.155	-13.96
	VIVO	-5.788306	-37.559694	140.156	-13.96
	OI	-5.802528	-36.886611	140.474	16.86
	TIM	-6.089861	-38.123694	140.661	-43.17
	VIVO	-6.089722	-38.123611	140.666	-43.16
	TIM	-6.414806	-38.377917	141.011	-61.82
	TIM	-6.186111	-38.222250	141.157	-49.36
	TIM	-5.933444	-37.933000	141.521	-32.07
	VIVO	-7.888100	-38.197700	141.756	-132.79
	OI	-7.938333	-38.151944	142.010	-135.82
	CLARO	-6.037361	-36.422611	142.240	40.35
	OI	-7.692389	-36.155889	142.364	121.65
	TIM	-7.307778	-38.512528	142.607	-103.05
	CLARO	-7.149503	-35.969019	142.743	95.91
	CLARO	-8.186667	-36.701111	142.909	154.74
	OI	-7.087189	-35.959778	143.237	93.13
	OI	-7.418500	-36.020389	143.294	108.07
	VIVO	-7.948694	-36.349556	143.394	135.91
	VIVO	-7.144719	-35.962311	143.428	95.67
	OI	-7.146669	-35.962311	143.449	95.76
	VIVO	-6.266306	-38.313806	143.664	-54.69
	OI	-6.894722	-38.550278	143.852	-84.63
	TIM	-6.894944	-38.550500	143.874	-84.64
	CLARO	-6.894950	-38.550800	143.907	-84.64
	VIVO	-6.894728	-38.550844	143.914	-84.63
	VIVO	-6.894778	-38.550944	143.924	-84.63
	CLARO	-6.125361	-38.206250	144.336	-46.88
	TIM	-6.116750	-38.205694	144.945	-46.59
	VIVO	-6.116750	-38.205694	144.945	-46.59

	Operadora	Latitude	Longitude	Distância	Azimute
	OI	-6.888897	-38.559747	144.956	-84.41
	CLARO	-6.894531	-38.562889	145.241	-84.67
	OI	-6.115575	-38.208628	145.270	-46.64
	TIM	-6.896194	-38.564556	145.407	-84.75
	VIVO	-6.109167	-38.204444	145.424	-46.32
	CLARO	-6.882189	-38.563400	145.434	-84.14
	VIVO	-6.206833	-38.289528	145.452	-51.96
	TIM	-6.882222	-38.563611	145.457	-84.14
	VIVO	-8.099144	-36.502875	145.486	145.29
	CLARO	-6.108811	-38.211281	145.998	-46.51
	TIM	-6.052250	-36.354028	146.050	43.04
	OI	-6.244306	-36.183528	146.115	54.20
	OI	-7.048719	-35.924239	147.005	91.39
	TIM	-5.988222	-36.413917	147.035	39.27
	OI	-7.233111	-35.938889	147.248	99.36
	TIM	-6.575722	-38.511056	147.284	-70.66
	OI	-7.229378	-35.935919	147.506	99.19
	TIM	-8.353194	-37.272139	147.642	-179.24
	CLARO	-8.353281	-37.272300	147.652	-179.24
	VIVO	-8.353667	-37.272861	147.695	-179.21
	VIVO	-8.353667	-37.272861	147.695	-179.21
	TIM	-6.482361	-38.479222	147.811	-66.43
	TIM	-7.213972	-38.585722	148.650	-98.45
	VIVO	-7.242500	-35.926667	148.748	99.68
	VIVO	-7.242500	-35.926667	148.748	99.68
	CLARO	-7.242611	-35.926603	148.757	99.68
	VIVO	-7.218897	-35.922825	148.759	98.66
	VIVO	-7.218972	-35.922825	148.760	98.66
	TIM	-7.242500	-35.926417	148.775	99.67
	OI	-7.220444	-35.922444	148.826	98.72

	Operadora	Latitude	Longitude	Distância	Azimute
	TIM	-7.220306	-35.922250	148.845	98.71
	OI	-7.241389	-35.923333	149.091	99.61
	OI	-7.250472	-35.924556	149.126	100.00
	CLARO	-7.228369	-35.920897	149.128	99.04
	OI	-6.343331	-36.085833	149.220	60.05
	TIM	-5.924361	-38.045083	149.282	-35.91
	OI	-7.227472	-35.919083	149.310	98.99
	OI	-7.264278	-35.919308	149.964	100.53