

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.852376491493	-24.105815052812	VS	70	1	-46.860790585417	-24.221488142755	VS	70	1
-46.863934863661	-24.215825620732	VS	70	1	-46.86075521201	-24.224071295685	VS	70	1
-46.772153176606	-24.168134831754	VS	100	1	-46.86067788006	-24.222056481744	VS	70	1
-46.761500417438	-24.16621968742	VS	100	1	-46.860633838369	-24.221696533001	VS	70	1
-46.771931308571	-24.168287968112	VS	100	1	-46.860661625811	-24.223346451625	VS	70	1
-46.771822783953	-24.169196057378	VS	100	1	-46.836015710685	-24.209730732133	VS	70	1
-46.772131969014	-24.168988574609	VS	100	1	-46.835755445586	-24.20950619957	VS	70	1
-46.771991563428	-24.16878397828	VS	70	1	-46.835524362318	-24.209306295406	VS	70	1
-46.771693330421	-24.168625576553	VS	100	1	-46.836485149927	-24.209830203784	VS	70	1
-46.771749071762	-24.168402067054	VS	100	1	-46.836647995546	-24.209550690581	VS	70	1
-46.771400602971	-24.168476054368	VS	100	1	-46.836781214785	-24.209303698641	VS	70	1
-46.771523397554	-24.169403468953	VS	100	1	-46.836667546363	-24.209109165376	VS	70	1
-46.771370785221	-24.168675995535	VS	100	1	-46.836357585981	-24.208879576698	VS	70	1
-46.77123364268	-24.169601879271	VS	100	1	-46.836681398018	-24.207940207575	VS	70	1
-46.771080785683	-24.168865491477	VS	100	1	-46.83643164405	-24.207763677494	VS	70	1
-46.770934194659	-24.169809314799	VS	100	1	-46.836679919174	-24.206483774628	VS	70	1
-46.770491820871	-24.169280249789	VS	100	1	-46.836143083207	-24.206211324664	VS	70	1
-46.77017118904	-24.16968945111	VS	100	1	-46.835914465147	-24.206097097173	VS	70	1
-46.770104429806	-24.169547322131	VS	100	1	-46.860535891007	-24.223946939131	VS	70	1
-46.769798342415	-24.169508714565	VS	100	1	-46.860373817631	-24.221887684621	VS	100	1
-46.913769120362	-24.234246425649	VS	70	1	-46.860395917454	-24.223192728015	VS	70	1
-46.912628540864	-24.23638993482	VS	70	1	-46.860349842072	-24.223825282679	VS	70	1
-46.734957094712	-24.148251245262	VS	70	1	-46.860105988585	-24.22208160745	VS	70	1
-46.735265157474	-24.1482874386	VS	70	1	-46.860117223651	-24.223034403676	VS	70	1
-46.7355095545	-24.148568356481	VS	70	1	-46.860202380423	-24.22374195933	VS	70	1
-46.73574129482	-24.148825434751	VS	70	1	-46.859855199066	-24.222263623449	VS	70	1
-46.735962809454	-24.14906474573	VS	70	1	-46.859834744793	-24.222886723222	VS	70	1
-46.735020588181	-24.148020597622	VS	70	1	-46.859876985152	-24.223554493187	VS	100	1
-46.734844839207	-24.147800543583	VS	70	1	-46.859573067521	-24.222740041688	VS	70	1
-46.734622319894	-24.147549023537	VS	70	1	-46.859685345505	-24.224808488358	VS	100	1
-46.874842188711	-24.224621857846	VS	100	1	-46.836019954198	-24.205896798195	VS	70	1
-46.875112426608	-24.224432399497	VS	100	1	-46.835586393137	-24.205930106687	VS	70	1
-46.871458416244	-24.224818440203	VS	70	1	-46.835367599161	-24.205815795852	VS	70	1
-46.871149413165	-24.225035059595	VS	70	1	-46.835069399145	-24.205666419409	VS	70	1
-46.870830584537	-24.225251753942	VS	70	1	-46.831902004569	-24.204218613156	VS	70	1
-46.82090980194	-24.196399038723	VS	70	1	-46.835414724297	-24.204923111466	VS	70	1
-46.818133997676	-24.193061856427	VS	100	1	-46.83567321025	-24.205054954286	VS	70	1
-46.818050459134	-24.193229502589	VS	100	1	-46.835921673023	-24.205177947963	VS	70	1
-46.825525572837	-24.185009102789	VS	70	1	-46.835905866965	-24.20411625488	VS	70	1
-46.825540769728	-24.185252962033	VS	70	1	-46.836224122167	-24.204283327109	VS	70	1
-46.82555109837	-24.185579229678	VS	70	1	-46.836601717384	-24.204467765314	VS	70	1
-46.821088324926	-24.196077094431	VS	70	1	-46.83530951239	-24.203817514558	VS	70	1
-46.821262828487	-24.195763225956	VS	70	1	-46.859566293427	-24.222467745567	VS	70	1
-46.743652793045	-24.153371362699	VS	70	1	-46.859539603323	-24.223372272008	VS	100	1
-46.74425881883	-24.15367925123	VS	70	1	-46.859256528917	-24.222554249396	VS	70	1
-46.743344340736	-24.153209643088	VS	70	1	-46.859360047133	-24.224617678499	VS	100	1
-46.743956569704	-24.153524485626	VS	70	1	-46.859233085304	-24.222707086019	VS	70	1
-46.789798726468	-24.183257410748	VS	150	1	-46.859179906115	-24.224615953895	VS	100	1
-46.789632322593	-24.183587328397	VS	100	1	-46.859012672651	-24.224444317218	VS	100	1
-46.788393722456	-24.183123337265	VS	250	2	-46.85892302823	-24.2229261295	VS	100	1
-46.79011662222	-24.183059509276	VS	150	1	-46.858743359765	-24.224294432594	VS	100	1
-46.788496810095	-24.182917357902	VS	250	2	-46.858639201484	-24.223117539675	VS	100	1
-46.789550899809	-24.183403110324	VS	250	1	-46.835627555002	-24.203975665121	VS	70	1
-46.789410577888	-24.183474780177	VS	250	2	-46.833237348296	-24.203965362075	VS	70	1
-46.789971729095	-24.183158740729	VS	150	1	-46.833086295236	-24.204216370281	VS	70	1
-46.788764863342	-24.18291480416	VS	250	2	-46.832935452257	-24.204476300942	VS	70	1
-46.789786352202	-24.183102276549	VS	250	2	-46.832827257434	-24.204685034444	VS	70	1

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Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.789065399805	-24.182951952621	VS	250	2	-46.831176368079	-24.203858314001	VS	70	1
-46.789555392138	-24.183025221219	VS	250	2	-46.742504707264	-24.160127159768	VS	100	1
-46.789306274605	-24.182982112453	VS	250	2	-46.829093500352	-24.204782662071	VS	100	1
-46.768283262822	-24.173141654873	VS	100	1	-46.82892322415	-24.205051656926	VS	100	1
-46.789525086297	-24.18323466668	VS	250	2	-46.835043308166	-24.205156150307	VS	100	1
-46.727638627343	-24.140064102044	VS	70	1	-46.835477527204	-24.204429972631	VS	100	1
-46.727952490016	-24.139839206589	VS	70	1	-46.834838165724	-24.204633115733	VS	100	1
-46.816555035354	-24.182491696204	VS	250	1	-46.79171643898	-24.18306082308	VS	250	1
-46.788250596025	-24.18342462302	VS	250	1	-46.79204077146	-24.182876907364	VS	250	1
-46.848879280939	-24.1667767581	VS	70	1	-46.79137623068	-24.183224184732	VS	250	1
-46.848641568682	-24.166997089977	VS	70	1	-46.791137227986	-24.183286843301	VS	250	1
-46.848396886572	-24.167215951049	VS	70	1	-46.891776312479	-24.23755269065	VS	100	1
-46.84815083177	-24.167433475865	VS	70	1	-46.892086408593	-24.237320856381	VS	100	1
-46.837914927755	-24.164753145303	VS	100	1	-46.892144269103	-24.237679790716	VS	100	1
-46.838319747368	-24.164061579996	VS	100	1	-46.892300607191	-24.237853735434	VS	100	1
-46.838059612201	-24.163858387174	VS	100	1	-46.892508985204	-24.238078362196	VS	100	1
-46.837808902121	-24.163637329123	VS	100	1	-46.834892246759	-24.205407160303	VS	100	1
-46.837548509584	-24.163425166506	VS	100	1	-46.83517536586	-24.20493206474	VS	100	1
-46.837297870095	-24.163212882436	VS	100	1	-46.834183836044	-24.205363549564	VS	100	1
-46.839513642667	-24.211023629154	VS	70	1	-46.833870227257	-24.20521169328	VS	100	1
-46.778259899801	-24.179722648334	VS	250	2	-46.835307695507	-24.204716822244	VS	100	1
-46.827451097342	-24.199205107351	VS	70	1	-46.835628576265	-24.204178961446	VS	100	1
-46.831697757562	-24.195818657676	VS	70	1	-46.835831841064	-24.203847017419	VS	100	1
-46.83129126062	-24.19561993062	VS	70	1	-46.835166243254	-24.204800107543	VS	100	1
-46.833457633763	-24.197377551462	VS	70	1	-46.834162167351	-24.204290355032	VS	100	1
-46.833625969301	-24.196776459942	VS	70	1	-46.833804644687	-24.204123582582	VS	70	1
-46.834262027329	-24.197092771731	VS	70	1	-46.833446681578	-24.203938972488	VS	100	1
-46.834570019934	-24.197242073102	VS	70	1	-46.833343427346	-24.204948083795	VS	100	1
-46.834888036781	-24.197400213692	VS	70	1	-46.791071026131	-24.186208687337	VS	250	1
-46.834593800847	-24.19751258554	VS	70	1	-46.823938295735	-24.202893765031	VS	70	1
-46.834423768133	-24.197790512625	VS	70	1	-46.824092298308	-24.202662774141	VS	70	1
-46.830932123699	-24.195428712555	VS	70	1	-46.823782678271	-24.202639324518	VS	70	1
-46.830654393556	-24.195291522192	VS	70	1	-46.892713885781	-24.238306266924	VS	100	1
-46.830322395935	-24.195132629979	VS	70	1	-46.892314441448	-24.237147303785	VS	100	1
-46.830006327605	-24.194973885229	VS	70	1	-46.892524449578	-24.23700373038	VS	100	1
-46.82970068776	-24.194826037688	VS	70	1	-46.892503861061	-24.2371440571	VS	100	1
-46.846029659268	-24.202959608635	VS	70	1	-46.893193063328	-24.237891186531	VS	100	1
-46.845744472075	-24.202813953015	VS	70	1	-46.892970893965	-24.237643141576	VS	100	1
-46.845384134388	-24.202645624184	VS	70	1	-46.892758961297	-24.237412847132	VS	100	1
-46.845072695886	-24.202483832713	VS	70	1	-46.892139253574	-24.236971848726	VS	100	1
-46.898247585251	-24.232746956247	VS	70	1	-46.891897202643	-24.236715023964	VS	100	1
-46.89797377879	-24.232933322793	VS	70	1	-46.891601105759	-24.237364990042	VS	100	1
-46.86825189695	-24.214115904984	VS	70	1	-46.891359070589	-24.237116865829	VS	100	1
-46.868929484515	-24.214520928693	VS	70	1	-46.833084934817	-24.20481623709	VS	100	1
-46.902919610787	-24.225212139911	VS	70	1	-46.832508412874	-24.20452623409	VS	100	1
-46.9026976345	-24.224973023028	VS	70	1	-46.833102755796	-24.205212568085	VS	70	1
-46.902455147162	-24.224698386573	VS	70	1	-46.832774681006	-24.205045563034	VS	70	1
-46.902202620943	-24.224414895393	VS	70	1	-46.832595814385	-24.204957713904	VS	70	1
-46.901940308619	-24.224131536806	VS	70	1	-46.832317476485	-24.204817099504	VS	70	1
-46.901728160979	-24.223892332203	VS	70	1	-46.832074571805	-24.204697146828	VS	70	1
-46.901475628057	-24.223608839953	VS	70	1	-46.83180079305	-24.204562363722	VS	70	1
-46.901223321392	-24.223334270917	VS	70	1	-46.83165226449	-24.204761723016	VS	100	1
-46.900995096618	-24.223085696606	VS	70	1	-46.83151073754	-24.205003829938	VS	100	1
-46.901690409849	-24.223347820389	VS	70	1	-46.831611894423	-24.20446567335	VS	70	1
-46.904834231344	-24.233023543225	VS	70	1	-46.831333529714	-24.204325047615	VS	70	1
-46.904641502894	-24.232797595478	VS	70	1	-46.82065508643	-24.190963114909	VS	100	1
-46.904399411129	-24.232540769731	VS	70	1	-46.875773550666	-24.222690182177	VS	100	1

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Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.904487200428	-24.231719070426	VS	70	1	-46.860346806732	-24.226021722461	VS	100	1
-46.904709189942	-24.231958195551	VS	70	1	-46.884714236931	-24.211958168919	VS	100	1
-46.904921598991	-24.232206349398	VS	70	1	-46.893762547599	-24.239483786942	VS	100	1
-46.905154648488	-24.232464301238	VS	70	1	-46.894293659978	-24.239113566512	VS	100	1
-46.905416407133	-24.23275550425	VS	70	1	-46.863603176807	-24.210283927703	VS	250	1
-46.905658998845	-24.233030258139	VS	70	1	-46.831045161719	-24.204175581957	VS	70	1
-46.905331160776	-24.228009323753	VS	70	1	-46.830781491605	-24.204061279357	VS	70	1
-46.892785982012	-24.235840679532	VS	70	1	-46.830623930421	-24.204315784718	VS	70	1
-46.892508022531	-24.235672834135	VS	70	1	-46.830453868212	-24.204593713507	VS	100	1
-46.873839893192	-24.207327911526	VS	70	1	-46.830449022677	-24.203885728421	VS	70	1
-46.928113362653	-24.173741058329	VS	70	1	-46.830170767321	-24.203745148892	VS	100	1
-46.927754650119	-24.173737505357	VS	70	1	-46.830692396126	-24.205025892648	VS	100	1
-46.927380437299	-24.173736458358	VS	70	1	-46.830225392901	-24.204797515221	VS	100	1
-46.926892468908	-24.173746289127	VS	70	1	-46.82998578824	-24.205374430072	VS	100	1
-46.863378577764	-24.216467839734	VS	70	1	-46.829887913128	-24.205536001233	VS	100	1
-46.925244802335	-24.174228601334	VS	70	1	-46.829745938046	-24.205776948705	VS	100	1
-46.92523627723	-24.17468274835	VS	70	1	-46.829613640046	-24.205992113918	VS	100	1
-46.870057897781	-24.217779083579	VS	70	1	-46.829453395666	-24.206269967685	VS	100	1
-46.724860477225	-24.140641334692	VS	70	1	-46.82026431764	-24.190908716201	VS	100	1
-46.724846908431	-24.140415806085	VS	70	1	-46.820106247322	-24.190887126205	VS	100	1
-46.72484091328	-24.140155799119	VS	70	1	-46.820059050211	-24.191158338371	VS	100	1
-46.724862439964	-24.139786253171	VS	70	1	-46.820017039977	-24.191453107558	VS	100	1
-46.724888429727	-24.139480895085	VS	70	1	-46.819974994686	-24.191748038032	VS	100	1
-46.724927922307	-24.139223164948	VS	70	1	-46.819933249358	-24.192051532897	VS	100	1
-46.724949608219	-24.138965593343	VS	70	1	-46.82018619023	-24.191864791086	VS	100	1
-46.724958845432	-24.13871190066	VS	70	1	-46.819891237917	-24.192346310952	VS	100	1
-46.724970892911	-24.138391537565	VS	70	1	-46.820491539606	-24.191904708312	VS	100	1
-46.725014601226	-24.138061785206	VS	70	1	-46.829292940355	-24.20653888951	VS	100	1
-46.725157551608	-24.13776886753	VS	70	1	-46.829970393374	-24.204664488065	VS	100	1
-46.725660609087	-24.137173246564	VS	70	1	-46.829728302192	-24.204542588684	VS	100	1
-46.725945199988	-24.136865206073	VS	70	1	-46.829439651588	-24.204399135099	VS	100	1
-46.72622253794	-24.136576091967	VS	70	1	-46.82915217509	-24.20426160072	VS	100	1
-46.726523116601	-24.136261935287	VS	70	1	-46.82885441867	-24.204130050097	VS	100	1
-46.781454190951	-24.156130753694	VS	70	1	-46.828546564269	-24.203980811977	VS	100	1
-46.749504755105	-24.164321341301	VS	70	1	-46.829272833633	-24.204486993331	VS	100	1
-46.883423347219	-24.215623480947	VS	70	1	-46.829083618699	-24.205202179137	VS	100	1
-46.883139500447	-24.215823453958	VS	70	1	-46.828770412813	-24.205081321239	VS	100	1
-46.88281571145	-24.216041342443	VS	70	1	-46.828733942213	-24.205347593169	VS	100	1
-46.881958683666	-24.216659374258	VS	70	1	-46.82884311517	-24.205978943998	VS	100	1
-46.88166364456	-24.21687429669	VS	70	1	-46.828602004473	-24.205891763368	VS	100	1
-46.881336855043	-24.217110097007	VS	70	1	-46.81969532786	-24.190828881662	VS	100	1
-46.88107011577	-24.217297022196	VS	70	1	-46.820739328792	-24.191257006641	VS	100	1
-46.880765605779	-24.21750127196	VS	70	1	-46.829135344512	-24.206076623425	VS	100	1
-46.88046878758	-24.21771972295	VS	70	1	-46.829412387924	-24.206163715763	VS	100	1
-46.880209274396	-24.217904434746	VS	70	1	-46.832158139726	-24.203749492615	VS	100	1
-46.881541171664	-24.217716010685	VS	70	1	-46.83196249357	-24.204078438757	VS	100	1
-46.881272034254	-24.217396795493	VS	70	1	-46.831464834771	-24.204001416699	VS	70	1
-46.881060134885	-24.217148440128	VS	70	1	-46.831683418263	-24.204113220246	VS	70	1
-46.880831028545	-24.216883082188	VS	70	1	-46.829409640147	-24.205280020593	VS	70	1
-46.880177880969	-24.218142808443	VS	70	1	-46.832632812732	-24.205216110127	VS	70	1
-46.879911057041	-24.218108582501	VS	70	1	-46.833888420283	-24.204906257221	VS	250	1
-46.878710942263	-24.218969403168	VS	70	1	-46.834029659867	-24.204655330965	VS	250	1
-46.862983317707	-24.220135769686	VS	70	1	-46.834190534748	-24.204404239072	VS	250	1
-46.862758949784	-24.219479307878	VS	70	1	-46.834313263028	-24.204198003137	VS	250	1
-46.864002402241	-24.219587373982	VS	70	1	-46.860190489732	-24.222409252694	VS	70	1
-46.863936684402	-24.219026159179	VS	70	1	-46.858446067916	-24.223252904623	VS	70	1
-46.86379497394	-24.218867538516	VS	70	1	-46.862997622881	-24.221911390475	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.903971282369	-24.232056705964	VS	70	1	-46.862689415136	-24.222130033102	VS	70	1
-46.787644620942	-24.170076990438	VS	70	1	-46.862472149269	-24.222277883783	VS	70	1
-46.787303630479	-24.170273232165	VS	70	1	-46.733978465157	-24.089383903745	VS	70	1
-46.733486990112	-24.15128131469	VS	250	1	-46.861859719075	-24.223355792647	VS	70	1
-46.732409738683	-24.152098734253	VS	100	1	-46.861207957138	-24.222981011445	VS	70	1
-46.726457137848	-24.135938337817	VS	70	1	-46.834473704582	-24.203929083114	VS	250	1
-46.726405050304	-24.13559555765	VS	70	1	-46.830123584484	-24.205149470406	VS	100	1
-46.726343860668	-24.135257660977	VS	70	1	-46.830273561957	-24.204907245146	VS	100	1
-46.726463176061	-24.134945029219	VS	70	1	-46.825878823269	-24.204228789641	VS	70	1
-46.726573428893	-24.134658494934	VS	70	1	-46.82984356646	-24.207264139938	VS	70	1
-46.72667135623	-24.134417286476	VS	70	1	-46.829543802749	-24.20709563205	VS	100	1
-46.725350939151	-24.137477661931	VS	100	1	-46.829036181555	-24.206822787264	VS	70	1
-46.789805990137	-24.167336229796	VS	70	1	-46.828757692231	-24.206673281329	VS	70	1
-46.821421648273	-24.185417535704	VS	100	1	-46.828085044178	-24.206302843544	VS	70	1
-46.822310599774	-24.185940880085	VS	100	1	-46.827852899814	-24.20618096144	VS	70	1
-46.792318914334	-24.186825852516	VS	250	1	-46.8275843792	-24.206040256299	VS	70	1
-46.79230938081	-24.186819872886	VS	250	1	-46.85788115434	-24.222919300492	VS	70	1
-46.78990717688	-24.183871824931	VS	250	1	-46.786068251618	-24.182243868183	VS	100	1
-46.909766941902	-24.240050752989	VS	100	1	-46.787216018794	-24.185183541051	VS	250	1
-46.79185017431	-24.186586873583	VS	250	1	-46.860873628518	-24.222792826394	VS	70	1
-46.791583395794	-24.186456484336	VS	250	1	-46.860708047621	-24.222699489035	VS	70	1
-46.791562196805	-24.186445701198	VS	250	1	-46.860489014767	-24.222576321642	VS	70	1
-46.791287177419	-24.186321457743	VS	250	1	-46.858424703117	-24.224118417347	VS	100	1
-46.791274697549	-24.186313322937	VS	250	1	-46.858229873853	-24.223291311018	VS	100	1
-46.713552779267	-24.143163920709	VS	100	1	-46.858085848221	-24.223915848196	VS	100	1
-46.791048757226	-24.186197865527	VS	250	1	-46.857837878267	-24.223685983336	VS	100	1
-46.790618259338	-24.185991910974	VS	250	1	-46.857345016586	-24.224038179704	VS	100	1
-46.790303286198	-24.185842082891	VS	250	1	-46.825648266566	-24.204447403056	VS	70	1
-46.79028079081	-24.185830082665	VS	250	1	-46.825406533707	-24.204673508137	VS	70	1
-46.7923119759	-24.186673302757	VS	250	1	-46.857213691186	-24.224037972596	VS	100	1
-46.792296161865	-24.186663741493	VS	250	1	-46.858903579066	-24.224799111221	VS	70	1
-46.792060642457	-24.18655201455	VS	250	1	-46.859502837736	-24.224020803943	VS	100	1
-46.791812691935	-24.186431279335	VS	250	1	-46.859173902138	-24.22382700963	VS	100	1
-46.79179210981	-24.186419070761	VS	250	1	-46.858850221288	-24.223650101103	VS	100	1
-46.791561536369	-24.186303413794	VS	250	1	-46.85886698679	-24.225006038778	VS	100	1
-46.791547338885	-24.186294609417	VS	250	1	-46.858574751602	-24.224833502467	VS	100	1
-46.79125869087	-24.18618941805	VS	250	1	-46.825507350456	-24.204875042967	VS	70	1
-46.738479224496	-24.150383666559	VS	100	1	-46.825229341763	-24.204723732384	VS	70	1
-46.913158758121	-24.242231147071	VS	100	1	-46.824985576889	-24.204578581679	VS	70	1
-46.909938248268	-24.244536851029	VS	100	1	-46.824667374056	-24.204405610266	VS	70	1
-46.909746571981	-24.24433317958	VS	100	1	-46.824405113068	-24.204185081859	VS	70	1
-46.846911499879	-24.154722564851	VS	70	1	-46.824298805919	-24.204191305456	VS	70	1
-46.847750677238	-24.154118191521	VS	70	1	-46.824089849567	-24.204076916186	VS	70	1
-46.862618851994	-24.213137016042	VS	70	1	-46.824550244484	-24.203947941543	VS	70	1
-46.862420662335	-24.212900841546	VS	70	1	-46.858536561847	-24.223474952702	VS	100	1
-46.862187433493	-24.212627675157	VS	70	1	-46.858389734618	-24.224730400238	VS	100	1
-46.839353775614	-24.198255783243	VS	100	1	-46.858071525628	-24.224540556398	VS	100	1
-46.839038808359	-24.198099718202	VS	100	1	-46.857757508619	-24.224356091728	VS	100	1
-46.775878937364	-24.151410331624	VS	70	1	-46.857586897628	-24.223866420822	VS	100	1
-46.781438854293	-24.159121178636	VS	70	1	-46.857523444113	-24.224214712288	VS	100	1
-46.775163341427	-24.153503626875	VS	100	1	-46.858004869167	-24.221647418332	VS	100	1
-46.775341160355	-24.152975813183	VS	100	1	-46.857656428567	-24.221453856507	VS	100	1
-46.758820889136	-24.163782387748	VS	70	1	-46.857384197635	-24.221392142048	VS	100	1
-46.839612090669	-24.197545054367	VS	100	1	-46.82815451767	-24.204793585678	VS	100	1
-46.889995635856	-24.232968444405	VS	100	1	-46.828462401925	-24.204931997282	VS	100	1
-46.787404988432	-24.156348161817	VS	100	1	-46.828319752328	-24.205758247352	VS	100	1
-46.88979291157	-24.233112851913	VS	100	1	-46.828028742296	-24.205620207998	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.88975634531	-24.233252808998	VS	100	1	-46.828356078067	-24.205966153341	VS	100	1
-46.817133985973	-24.183608055586	VS	100	1	-46.828177512963	-24.206264952122	VS	100	1
-46.865769159191	-24.221170011211	VS	150	1	-46.828439051665	-24.206488376511	VS	100	1
-46.866077629517	-24.221328278644	VS	150	1	-46.830888607794	-24.203717989105	VS	70	1
-46.828292712617	-24.187820954672	VS	70	1	-46.820519090476	-24.148461284811	VS	70	1
-46.868402767761	-24.227083885486	VS	100	1	-46.820258470786	-24.148240130544	VS	70	1
-46.868174663788	-24.217535153585	VS	100	1	-46.857232495214	-24.221616426095	VS	100	1
-46.86801939608	-24.218346030404	VS	100	1	-46.857031558083	-24.221888272336	VS	100	1
-46.868045611004	-24.218992097567	VS	100	1	-46.855980577998	-24.222151165907	VS	100	1
-46.868222482914	-24.226893013322	VS	100	1	-46.855805839348	-24.222400543534	VS	100	1
-46.868077481653	-24.224021673127	VS	70	1	-46.855625295341	-24.222651863392	VS	100	1
-46.86808904077	-24.226712710294	VS	100	1	-46.855519543071	-24.222947355147	VS	100	1
-46.818267951573	-24.192275178533	VS	100	1	-46.85528749162	-24.221654146743	VS	100	1
-46.818267366635	-24.192095392615	VS	100	1	-46.855200511265	-24.221780328938	VS	100	1
-46.868090806487	-24.227308351416	VS	100	1	-46.854983356366	-24.222080717014	VS	100	1
-46.867835800065	-24.217983848495	VS	100	1	-46.854776535649	-24.222394072338	VS	70	1
-46.868030266393	-24.226998256215	VS	100	1	-46.856546366765	-24.221357838925	VS	70	1
-46.818251177794	-24.191899823594	VS	100	1	-46.856406897318	-24.221539231447	VS	70	1
-46.818223962834	-24.191213716036	VS	100	1	-46.856194800863	-24.221835314486	VS	70	1
-46.818167982063	-24.193379720599	VS	100	1	-46.867016338071	-24.227309612627	VS	100	1
-46.817085939496	-24.151087635408	VS	70	1	-46.820023294151	-24.14805233003	VS	100	1
-46.817909342085	-24.191675549884	VS	100	1	-46.819735577975	-24.147857993623	VS	70	1
-46.817918752757	-24.192052117873	VS	100	1	-46.819747665783	-24.147946267605	VS	70	1
-46.786104653138	-24.172036007558	VS	100	1	-46.819427429833	-24.147699710196	VS	70	1
-46.786139810532	-24.177248329194	VS	100	1	-46.819138404423	-24.147549821962	VS	70	1
-46.785967933913	-24.171653363166	VS	100	1	-46.818706518637	-24.147387835138	VS	70	1
-46.869376549546	-24.226610008236	VS	100	1	-46.818610014989	-24.147387467722	VS	70	1
-46.869126733173	-24.217565118423	VS	100	1	-46.818504437601	-24.147486424109	VS	70	1
-46.869209997944	-24.227263405605	VS	70	1	-46.818360938948	-24.147639175018	VS	70	1
-46.869078568528	-24.226443357135	VS	100	1	-46.818169690819	-24.14784579315	VS	100	1
-46.817622421218	-24.191142896599	VS	100	1	-46.81869552746	-24.147697323899	VS	100	1
-46.785841885821	-24.17130632882	VS	100	1	-46.818619085849	-24.147611990118	VS	70	1
-46.778079201936	-24.149639724756	VS	70	1	-46.818966066386	-24.147927236737	VS	100	1
-46.813013122099	-24.190850267642	VS	70	1	-46.855884272444	-24.221843177708	VS	70	1
-46.86790723736	-24.222952403445	VS	70	1	-46.855559337055	-24.221649476723	VS	70	1
-46.867972445341	-24.22663903271	VS	100	1	-46.855477977602	-24.221390286149	VS	70	1
-46.86787215915	-24.227108600733	VS	100	1	-46.854901728859	-24.221253377688	VS	70	1
-46.867625995945	-24.21778925336	VS	100	1	-46.855318612489	-24.222818831769	VS	70	1
-46.867840601046	-24.226737783906	VS	100	1	-46.854992984	-24.222608565676	VS	70	1
-46.867679044648	-24.222885439054	VS	70	1	-46.854669422006	-24.222389483355	VS	70	1
-46.867781137854	-24.227516306864	VS	100	1	-46.854546843353	-24.221340958656	VS	70	1
-46.867666864562	-24.222784413339	VS	70	1	-46.854449934019	-24.222248443293	VS	70	1
-46.867716356028	-24.226504759613	VS	100	1	-46.854363625731	-24.221601039931	VS	70	1
-46.867663423883	-24.225598061072	VS	100	1	-46.854230224956	-24.222098470847	VS	70	1
-46.785726100076	-24.170977150212	VS	100	1	-46.854167685623	-24.221891429162	VS	70	1
-46.785600260783	-24.170639038153	VS	100	1	-46.819491013259	-24.148191394667	VS	100	1
-46.785665927228	-24.176579791629	VS	100	1	-46.819507003579	-24.14836945813	VS	100	1
-46.785600134758	-24.176705488777	VS	100	1	-46.819236673251	-24.148157205154	VS	100	1
-46.836737315345	-24.204695473781	VS	70	1	-46.822723023125	-24.197243430095	VS	70	1
-46.819287048507	-24.192127913969	VS	100	1	-46.822533587291	-24.197559775466	VS	70	1
-46.868863234062	-24.221357814107	VS	100	1	-46.822547487197	-24.199931190124	VS	70	1
-46.868947577471	-24.227459393735	VS	70	1	-46.822515842919	-24.198862580932	VS	70	1
-46.868765400373	-24.22625259775	VS	100	1	-46.822460995312	-24.197902536546	VS	70	1
-46.868640629923	-24.227678397919	VS	70	1	-46.853992138193	-24.221940711769	VS	70	1
-46.868575585849	-24.221546598494	VS	70	1	-46.853851054758	-24.22185161514	VS	70	1
-46.81024642787	-24.187843506151	VS	70	1	-46.853584088836	-24.221661574092	VS	70	1
-46.810413343419	-24.187532977045	VS	70	1	-46.853252660302	-24.221463904632	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.810922694882	-24.18677832829	VS	100	1	-46.864451962773	-24.225977753297	VS	70	1
-46.867417748776	-24.217598216698	VS	100	1	-46.863266606401	-24.226007826504	VS	70	1
-46.867395816452	-24.217960177033	VS	70	1	-46.863005822021	-24.226188349103	VS	70	1
-46.867507360673	-24.222687515338	VS	70	1	-46.862687231868	-24.226413921014	VS	70	1
-46.867544681601	-24.226627556213	VS	100	1	-46.822571370294	-24.199534690363	VS	70	1
-46.867528277577	-24.226299248767	VS	100	1	-46.82230729274	-24.197929943666	VS	70	1
-46.867543026059	-24.22729883235	VS	100	1	-46.822402623626	-24.199046067125	VS	70	1
-46.867389244971	-24.223084044036	VS	70	1	-46.822269173415	-24.199790560213	VS	70	1
-46.867476436196	-24.227729346593	VS	100	1	-46.822230603122	-24.199368687292	VS	70	1
-46.867406243371	-24.225263748405	VS	100	1	-46.822128254692	-24.197740099083	VS	100	1
-46.868517611775	-24.226222573307	VS	100	1	-46.822108437322	-24.198249924493	VS	70	1
-46.817502429594	-24.192003374659	VS	100	1	-46.821871132474	-24.197394287486	VS	70	1
-46.817312756355	-24.191095281807	VS	100	1	-46.821886396214	-24.199202093186	VS	70	1
-46.867338255245	-24.222599624966	VS	70	1	-46.819259948545	-24.14842286082	VS	100	1
-46.867226410597	-24.217394448533	VS	100	1	-46.862669911698	-24.227432869653	VS	70	1
-46.868559974045	-24.226394251121	VS	100	1	-46.862637244994	-24.227286006353	VS	70	1
-46.868312072802	-24.221720800585	VS	70	1	-46.862509556801	-24.226543373385	VS	70	1
-46.868420720077	-24.227831856253	VS	70	1	-46.862409120693	-24.2258807086	VS	70	1
-46.817137831799	-24.191556779602	VS	100	1	-46.862390444129	-24.227263761721	VS	70	1
-46.817117562462	-24.191950626502	VS	100	1	-46.862233299612	-24.226729820688	VS	70	1
-46.817144586424	-24.192870098024	VS	100	1	-46.862148265694	-24.226061263759	VS	70	1
-46.776083269458	-24.173790132491	VS	100	1	-46.86206162093	-24.227070047562	VS	70	1
-46.870468733847	-24.220891271748	VS	70	1	-46.861972705029	-24.226919272487	VS	70	1
-46.870227384896	-24.22106273462	VS	70	1	-46.861897517002	-24.226250631979	VS	70	1
-46.785547608176	-24.176606871751	VS	100	1	-46.861830936776	-24.22692810762	VS	70	1
-46.785426336836	-24.1728427123	VS	100	1	-46.861682498201	-24.226840809505	VS	70	1
-46.785481420112	-24.176890964545	VS	100	1	-46.808672529924	-24.14812860807	VS	100	1
-46.785373895647	-24.175270147804	VS	100	1	-46.809100732702	-24.148070865653	VS	100	1
-46.869962940164	-24.22126039326	VS	70	1	-46.821919813983	-24.198572593257	VS	70	1
-46.868097967006	-24.221186983401	VS	70	1	-46.821994627775	-24.200804182446	VS	70	1
-46.868152424889	-24.226500195854	VS	100	1	-46.822456651752	-24.200067307731	VS	70	1
-46.867765219651	-24.218523885126	VS	100	1	-46.822305292952	-24.200309486369	VS	70	1
-46.867534989475	-24.21868994769	VS	100	1	-46.822163542366	-24.200533436844	VS	70	1
-46.816943239888	-24.186091603237	VS	250	2	-46.821815066744	-24.201066502885	VS	250	1
-46.816937079202	-24.186332250819	VS	250	2	-46.8216222946	-24.201337530219	VS	250	1
-46.816937321293	-24.186662720325	VS	250	2	-46.819291042228	-24.151279755412	VS	100	1
-46.816933923655	-24.186930401639	VS	250	2	-46.861646311171	-24.226413100638	VS	70	1
-46.816931183814	-24.187224878499	VS	250	2	-46.861522994993	-24.226743914184	VS	70	1
-46.867370886331	-24.226739610546	VS	100	1	-46.861396782048	-24.225948332371	VS	100	1
-46.867369347989	-24.227425171656	VS	100	1	-46.861289714697	-24.226585934983	VS	100	1
-46.867156373683	-24.218125673088	VS	70	1	-46.866724375462	-24.226855670731	VS	100	1
-46.867283572615	-24.226379431804	VS	100	1	-46.866556084929	-24.228376577553	VS	100	1
-46.867219078226	-24.226538971565	VS	100	1	-46.86650202699	-24.225872342879	VS	100	1
-46.867173899031	-24.227182438777	VS	100	1	-46.814862762347	-24.150948695669	VS	70	1
-46.867210041714	-24.226842170941	VS	100	1	-46.816878058024	-24.151282208795	VS	70	1
-46.867099424201	-24.223282665821	VS	70	1	-46.817389533506	-24.15138509641	VS	100	1
-46.867100904162	-24.222565086053	VS	70	1	-46.820530312193	-24.151805864086	VS	100	1
-46.867089371441	-24.22246168861	VS	70	1	-46.820261840824	-24.152075732015	VS	100	1
-46.867102270807	-24.224707551224	VS	100	1	-46.820559930761	-24.15097710267	VS	70	1
-46.857261822853	-24.2122491174	VS	70	1	-46.823502507803	-24.197220338502	VS	70	1
-46.816924849219	-24.187529805234	VS	250	2	-46.823336114111	-24.197499026646	VS	70	1
-46.816976604561	-24.191051833895	VS	100	1	-46.8231398043	-24.197805861592	VS	70	1
-46.816648780963	-24.190426245095	VS	100	1	-46.823005775328	-24.196779872458	VS	100	1
-46.816712844456	-24.187664969033	VS	100	1	-46.822845112598	-24.197039864868	VS	70	1
-46.816697444666	-24.191012774222	VS	100	1	-46.866241459472	-24.226061794647	VS	100	1
-46.816700469763	-24.191907413833	VS	100	1	-46.866874683258	-24.227578225399	VS	100	1
-46.867270249627	-24.219047669973	VS	100	1	-46.866120993592	-24.228766277334	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867347008884	-24.218819668353	VS	100	1	-46.865980638197	-24.22624234887	VS	100	1
-46.867374309463	-24.225421883442	VS	100	1	-46.865879623299	-24.228937730364	VS	100	1
-46.8672341403	-24.221759815851	VS	70	1	-46.865629959026	-24.227976226529	VS	100	1
-46.867081715365	-24.219920520594	VS	100	1	-46.865510039334	-24.225871266425	VS	100	1
-46.867085823287	-24.219002921325	VS	100	1	-46.865353690235	-24.228632610477	VS	100	1
-46.86689462007	-24.214878667805	VS	70	1	-46.866897345864	-24.227797758466	VS	100	1
-46.86687948772	-24.219685845167	VS	100	1	-46.866907176579	-24.227058649682	VS	100	1
-46.884923889914	-24.237809582053	VS	100	1	-46.82062576729	-24.151617784854	VS	70	1
-46.790646291039	-24.176822110483	VS	100	1	-46.81997521415	-24.151096354484	VS	70	1
-46.785155765119	-24.173023172545	VS	100	1	-46.82021503437	-24.151272967932	VS	70	1
-46.785122616638	-24.175439330932	VS	100	1	-46.819501993294	-24.151072901576	VS	70	1
-46.785004494966	-24.174924858512	VS	100	1	-46.816961388646	-24.15091558916	VS	70	1
-46.78489520009	-24.173212492281	VS	100	1	-46.817650067254	-24.151606172232	VS	70	1
-46.784943034876	-24.175735240739	VS	100	1	-46.817890525177	-24.151809548108	VS	70	1
-46.784839744903	-24.173341252307	VS	100	1	-46.856103422952	-24.215097502107	VS	70	1
-46.8668170679	-24.219194046606	VS	100	1	-46.867189739277	-24.227350871044	VS	100	1
-46.866687467198	-24.219459642918	VS	100	1	-46.867250411457	-24.22760755714	VS	100	1
-46.816622256642	-24.189917771941	VS	100	1	-46.866795932207	-24.227363451445	VS	100	1
-46.816495790014	-24.189024985745	VS	250	2	-46.866767999661	-24.226483526421	VS	100	1
-46.816570636851	-24.190221561626	VS	100	1	-46.86672128486	-24.227201471555	VS	100	1
-46.816464202677	-24.190396277056	VS	100	1	-46.866591341026	-24.227291878961	VS	100	1
-46.816382874556	-24.189210693827	VS	250	2	-46.866546229372	-24.226948698419	VS	100	1
-46.816396523269	-24.187637852972	VS	100	1	-46.866533013669	-24.226642279359	VS	100	1
-46.81620962119	-24.189536843548	VS	250	2	-46.81711941184	-24.151173025426	VS	70	1
-46.866943156639	-24.218276076006	VS	70	1	-46.82000419438	-24.151490302521	VS	70	1
-46.867074928547	-24.225245489303	VS	100	1	-46.820455332764	-24.151480158531	VS	100	1
-46.866973104586	-24.226557420696	VS	100	1	-46.819784005537	-24.151724032795	VS	70	1
-46.867117372927	-24.226910041737	VS	100	1	-46.819993289418	-24.152336563085	VS	100	1
-46.866900368604	-24.222362202794	VS	70	1	-46.823297177987	-24.195015827303	VS	250	1
-46.866699756191	-24.218447179978	VS	70	1	-46.823159902692	-24.195262253208	VS	250	1
-46.866824032748	-24.223503877536	VS	70	1	-46.822949939142	-24.195580984216	VS	250	1
-46.866812891639	-24.224924000296	VS	100	1	-46.822763680593	-24.195894054499	VS	250	1
-46.866182602038	-24.220635270122	VS	100	1	-46.822577384475	-24.196209449549	VS	250	1
-46.816079670358	-24.189267515439	VS	100	1	-46.822390855372	-24.196531951505	VS	250	1
-46.815986755837	-24.18983669056	VS	250	2	-46.822224127457	-24.196802776138	VS	250	1
-46.815866882203	-24.188992528442	VS	100	1	-46.822059759099	-24.197080787964	VS	250	1
-46.814933438535	-24.150627378056	VS	70	1	-46.866516016355	-24.229729173788	VS	100	1
-46.815844201085	-24.19002492797	VS	250	2	-46.866427454108	-24.227408817845	VS	100	1
-46.78484162333	-24.176228460644	VS	100	1	-46.866349893951	-24.227006455158	VS	100	1
-46.784743667502	-24.175105289743	VS	100	1	-46.866352474481	-24.22850871934	VS	100	1
-46.784795222923	-24.175964880762	VS	100	1	-46.866262842494	-24.226840729591	VS	100	1
-46.815873135149	-24.190327839884	VS	100	1	-46.86629650147	-24.229588138507	VS	70	1
-46.815746215366	-24.187580743914	VS	100	1	-46.866221794305	-24.227159314465	VS	100	1
-46.815725692712	-24.189456313475	VS	100	1	-46.866058700781	-24.227268439315	VS	100	1
-46.815663953612	-24.188717523859	VS	100	1	-46.82151964235	-24.185478542042	VS	100	1
-46.815590023477	-24.190279843066	VS	250	1	-46.82090465	-24.183256923167	VS	100	1
-46.815434135458	-24.189370568877	VS	100	1	-46.821257515169	-24.183772582356	VS	100	1
-46.784573149479	-24.173427679029	VS	100	1	-46.821124759106	-24.18343357729	VS	100	1
-46.78454126046	-24.173182739873	VS	100	1	-46.821176250932	-24.185272392423	VS	100	1
-46.784630060996	-24.176227795036	VS	100	1	-46.821016401294	-24.183952881704	VS	100	1
-46.784583087908	-24.176087660819	VS	100	1	-46.820785078974	-24.184115011733	VS	100	1
-46.77822833108	-24.174774656209	VS	70	1	-46.820793796854	-24.185033892846	VS	100	1
-46.777789704539	-24.175098117679	VS	70	1	-46.820694052461	-24.182813502685	VS	100	1
-46.879099603628	-24.224500974014	VS	70	1	-46.820673946425	-24.183053470769	VS	100	1
-46.765930710108	-24.161628853294	VS	70	1	-46.820517379103	-24.184293173544	VS	100	1
-46.766181432954	-24.161439644588	VS	70	1	-46.820471599187	-24.184115175381	VS	100	1
-46.866834501173	-24.226710112243	VS	100	1	-46.866103254132	-24.227642215142	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.866753302911	-24.225046471856	VS	100	1	-46.8660095622	-24.227015763412	VS	100	1
-46.866711412159	-24.222265549165	VS	70	1	-46.865937663481	-24.227754652986	VS	100	1
-46.784364190424	-24.175964376036	VS	100	1	-46.865915375792	-24.228471061715	VS	100	1
-46.784319186436	-24.175411700073	VS	100	1	-46.865897517393	-24.227379599508	VS	100	1
-46.784163194795	-24.175858536375	VS	100	1	-46.865947135214	-24.229358889429	VS	100	1
-46.784112249821	-24.17529678836	VS	100	1	-46.865822944544	-24.227145743106	VS	100	1
-46.783805242353	-24.16932579143	VS	100	1	-46.865832796387	-24.2278266361	VS	100	1
-46.784081149565	-24.175576514759	VS	100	1	-46.865740707657	-24.227488065371	VS	100	1
-46.7671111087852	-24.160771060514	VS	70	1	-46.820465359555	-24.18484904263	VS	100	1
-46.766808792851	-24.160997992293	VS	70	1	-46.820404008108	-24.182850356115	VS	100	1
-46.766500025556	-24.161223309936	VS	70	1	-46.82039504554	-24.183020792104	VS	100	1
-46.76400047647	-24.163016972919	VS	100	1	-46.820252655686	-24.183991945113	VS	100	1
-46.815449225308	-24.18963422316	VS	100	1	-46.820201756086	-24.183156232599	VS	100	1
-46.815231599006	-24.189113354031	VS	100	1	-46.820143728633	-24.182620836985	VS	100	1
-46.814970538944	-24.187653440208	VS	100	1	-46.820146524641	-24.184655187085	VS	100	1
-46.81526204796	-24.194476465431	VS	100	1	-46.819993540633	-24.183833296278	VS	100	1
-46.815099699195	-24.188935907572	VS	100	1	-46.819960002107	-24.183309771171	VS	100	1
-46.815170175083	-24.191289372642	VS	100	1	-46.819973946263	-24.184553777291	VS	100	1
-46.815040612085	-24.187526069395	VS	100	1	-46.819862884075	-24.182390581362	VS	100	1
-46.763720517327	-24.163215308138	VS	70	1	-46.819814886678	-24.182665405348	VS	100	1
-46.763469571512	-24.163395589342	VS	70	1	-46.865662801424	-24.228415944814	VS	100	1
-46.763228087555	-24.163566955449	VS	70	1	-46.865667830959	-24.229182632142	VS	100	1
-46.762957935021	-24.163765219245	VS	70	1	-46.86570345179	-24.227739509276	VS	100	1
-46.76267797245	-24.163963561086	VS	70	1	-46.865557996719	-24.227337057737	VS	100	1
-46.776194037504	-24.156503122808	VS	70	1	-46.865508175918	-24.228062328624	VS	100	1
-46.769619147985	-24.166508915152	VS	70	1	-46.865432944798	-24.227726046682	VS	100	1
-46.783994686357	-24.173822353499	VS	100	1	-46.865336442883	-24.227493541094	VS	100	1
-46.784011229061	-24.174851985009	VS	100	1	-46.865356736759	-24.229114976826	VS	100	1
-46.783805516855	-24.176114467675	VS	100	1	-46.865311214991	-24.228192846571	VS	100	1
-46.783808293233	-24.174987325366	VS	100	1	-46.865226058442	-24.227797769565	VS	100	1
-46.769899047716	-24.166310603245	VS	70	1	-46.865191384633	-24.226088340031	VS	100	1
-46.77017900641	-24.166112265312	VS	70	1	-46.819744495795	-24.18368351593	VS	100	1
-46.770478179539	-24.165895924347	VS	70	1	-46.819740033329	-24.183462212675	VS	100	1
-46.770787049871	-24.165679599581	VS	70	1	-46.819723954813	-24.184401644635	VS	100	1
-46.794116827555	-24.180869035341	VS	100	1	-46.819525128624	-24.182863921945	VS	100	1
-46.781801636334	-24.169117900339	VS	70	1	-46.819424045769	-24.183485665909	VS	100	1
-46.756956352174	-24.156999050111	VS	100	1	-46.819458931296	-24.184240939211	VS	100	1
-46.783784586863	-24.175129856649	VS	100	1	-46.819429880388	-24.183688100245	VS	100	1
-46.783594210365	-24.175932852963	VS	100	1	-46.819235579685	-24.183071360459	VS	100	1
-46.783555910406	-24.175006669742	VS	100	1	-46.819147788429	-24.183319611641	VS	100	1
-46.783395665151	-24.169601248124	VS	100	1	-46.819183535845	-24.184066199052	VS	100	1
-46.783144466556	-24.169781736912	VS	100	1	-46.81893538599	-24.183270364421	VS	100	1
-46.783247826296	-24.174848357433	VS	100	1	-46.865117948279	-24.228975615717	VS	100	1
-46.814976570039	-24.189985811445	VS	100	1	-46.865176084312	-24.228288827781	VS	100	1
-46.814825768712	-24.190686658016	VS	250	2	-46.86506060476	-24.22789986834	VS	100	1
-46.81480786032	-24.189866127314	VS	100	1	-46.865036629379	-24.227707033032	VS	100	1
-46.814921129941	-24.194733996117	VS	100	1	-46.864969231511	-24.226250342768	VS	100	1
-46.814768250589	-24.187706877061	VS	100	1	-46.864935391636	-24.228063110478	VS	100	1
-46.814650252367	-24.18750440578	VS	70	1	-46.864881682433	-24.22848693127	VS	100	1
-46.814753365275	-24.19018077319	VS	100	1	-46.864940944226	-24.228855138469	VS	100	1
-46.783058755408	-24.177214256342	VS	100	1	-46.864766493948	-24.227905454004	VS	100	1
-46.782855003499	-24.169989032925	VS	100	1	-46.864718263563	-24.226430783953	VS	100	1
-46.814551115243	-24.188705526648	VS	100	1	-46.864696027713	-24.228719838718	VS	100	1
-46.814876701393	-24.188643192775	VS	100	1	-46.864712437809	-24.228608004932	VS	100	1
-46.870597263079	-24.22695789468	VS	70	1	-46.864484838087	-24.228596627581	VS	100	1
-46.845280323707	-24.203403286292	VS	70	1	-46.818891565773	-24.183897629865	VS	100	1
-46.845093872923	-24.203690416777	VS	70	1	-46.818646417716	-24.183477420844	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.84491605422	-24.203986257974	VS	70	1	-46.818612639479	-24.183730239036	VS	100	1
-46.814625386596	-24.189626602898	VS	100	1	-46.817788811714	-24.175802504469	VS	70	1
-46.814662690317	-24.194602123564	VS	100	1	-46.818350409815	-24.175525300527	VS	70	1
-46.814567224503	-24.189965022075	VS	100	1	-46.815345590214	-24.176518568379	VS	100	1
-46.814642910623	-24.194386692977	VS	100	1	-46.819156474256	-24.176746759342	VS	70	1
-46.814511768365	-24.190812033963	VS	250	2	-46.819426006498	-24.17693208396	VS	70	1
-46.814422566433	-24.189360372354	VS	100	1	-46.818897020455	-24.176570339471	VS	70	1
-46.814406081175	-24.187483083846	VS	100	1	-46.818637319303	-24.176384959547	VS	70	1
-46.782695153952	-24.170185962371	VS	70	1	-46.818347804756	-24.176190754053	VS	70	1
-46.781312525299	-24.114819511517	VS	100	1	-46.818073159897	-24.175997768045	VS	70	1
-46.782558940495	-24.170194693915	VS	100	1	-46.817518643649	-24.17562054998	VS	70	1
-46.816688277172	-24.19248356929	VS	100	1	-46.834402402671	-24.206418001213	VS	100	1
-46.875198625615	-24.225103566665	VS	100	1	-46.864486492837	-24.228103975623	VS	100	1
-46.874948689557	-24.22527960958	VS	100	1	-46.864081015221	-24.226881986967	VS	100	1
-46.904462979476	-24.228139376995	VS	100	1	-46.863771996738	-24.227098579914	VS	100	1
-46.821442629781	-24.180468506022	VS	70	1	-46.863424558526	-24.227351174506	VS	100	1
-46.818765376027	-24.193395499608	VS	70	1	-46.863118151558	-24.227695399743	VS	100	1
-46.854069107155	-24.210003157664	VS	70	1	-46.863091749267	-24.227585232075	VS	100	1
-46.854575403168	-24.210572533171	VS	70	1	-46.862868697848	-24.22754549377	VS	70	1
-46.814505080384	-24.194649935831	VS	100	1	-46.865720069203	-24.226431799529	VS	70	1
-46.81429449999	-24.190056325803	VS	100	1	-46.865411053894	-24.226648405356	VS	70	1
-46.814355139368	-24.194452995297	VS	100	1	-46.865121454662	-24.226855927243	VS	70	1
-46.814286226126	-24.193510383124	VS	100	1	-46.864841244103	-24.227045517978	VS	70	1
-46.8542763327	-24.210789173232	VS	70	1	-46.817235129025	-24.175433522013	VS	70	1
-46.853769611157	-24.210202014146	VS	70	1	-46.816920728743	-24.175220255859	VS	100	1
-46.814129452768	-24.187603780697	VS	100	1	-46.816751085376	-24.175105553932	VS	70	1
-46.814176245235	-24.190616858687	VS	100	1	-46.816445476571	-24.175250021423	VS	70	1
-46.814139446412	-24.190914770476	VS	250	2	-46.816091067227	-24.175506315567	VS	70	1
-46.814141808046	-24.193784236538	VS	100	1	-46.815727068232	-24.175774237202	VS	70	1
-46.814021307939	-24.190138771476	VS	100	1	-46.815417900892	-24.175992670751	VS	70	1
-46.782478391908	-24.169924686466	VS	70	1	-46.816450090581	-24.175492452854	VS	70	1
-46.781113862949	-24.115086616032	VS	100	1	-46.81722833973	-24.176012937515	VS	70	1
-46.78249409866	-24.177171258151	VS	100	1	-46.816847443532	-24.1764739078	VS	70	1
-46.782422409287	-24.176879858051	VS	100	1	-46.864580328002	-24.227238301915	VS	70	1
-46.782340501134	-24.176740946214	VS	100	1	-46.864300914957	-24.227442393379	VS	70	1
-46.814077057518	-24.194321275686	VS	100	1	-46.863740922517	-24.227839443631	VS	70	1
-46.814004783979	-24.194056787521	VS	100	1	-46.863489969605	-24.228019873627	VS	70	1
-46.813944184028	-24.190960870582	VS	250	2	-46.863229171085	-24.228200395796	VS	100	1
-46.813934898872	-24.190788230003	VS	250	1	-46.858254182734	-24.218893624581	VS	70	1
-46.782065770878	-24.176925539691	VS	100	1	-46.855226450297	-24.219289763136	VS	70	1
-46.864178648276	-24.212223060916	VS	100	1	-46.854493030581	-24.219812904494	VS	70	1
-46.813876061323	-24.194315619046	VS	100	1	-46.858162395058	-24.218561660011	VS	70	1
-46.813702724089	-24.191037092906	VS	250	2	-46.817445128919	-24.176815159766	VS	70	1
-46.813768048327	-24.19414495019	VS	100	1	-46.817743870596	-24.176991327052	VS	100	1
-46.813704604009	-24.190935715121	VS	250	2	-46.817741540284	-24.176215562849	VS	70	1
-46.813690567753	-24.190239270035	VS	100	1	-46.817903688708	-24.176018023365	VS	70	1
-46.781265317159	-24.175687019475	VS	100	1	-46.818275577009	-24.175560084213	VS	70	1
-46.813761308304	-24.194549409807	VS	100	1	-46.742331037068	-24.148916666224	VS	100	1
-46.813627320299	-24.189776643193	VS	100	1	-46.81844675209	-24.175335843096	VS	70	1
-46.813518713319	-24.186877910104	VS	100	1	-46.823507665472	-24.202497930237	VS	70	1
-46.860797898775	-24.209729803149	VS	70	1	-46.824140219169	-24.202806128356	VS	70	1
-46.813554099149	-24.189288398096	VS	100	1	-46.832770136535	-24.185509839367	VS	70	1
-46.813639460466	-24.194791245781	VS	100	1	-46.858036082889	-24.219206579386	VS	70	1
-46.813420756218	-24.188043863344	VS	100	1	-46.857903381348	-24.218411983734	VS	70	1
-46.813480790189	-24.191199386446	VS	250	2	-46.857824862869	-24.219504997627	VS	70	1
-46.813434285954	-24.189510284062	VS	100	1	-46.857656265575	-24.218329937769	VS	70	1
-46.81352966386	-24.19403076712	VS	100	1	-46.857675318517	-24.219718007812	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.813306000495	-24.18660300371	VS	100	1	-46.818661301944	-24.175741974907	VS	70	1
-46.813306754088	-24.191012358167	VS	250	2	-46.818939866748	-24.175925681892	VS	70	1
-46.813219868504	-24.187776089051	VS	100	1	-46.819219931651	-24.176118256321	VS	70	1
-46.813316441684	-24.191347287908	VS	250	2	-46.819502662714	-24.176311372374	VS	70	1
-46.813254230783	-24.189451180006	VS	100	1	-46.819789225696	-24.176504241595	VS	70	1
-46.813241477436	-24.189244255557	VS	100	1	-46.820050330814	-24.176683103658	VS	70	1
-46.780975736139	-24.175894378867	VS	100	1	-46.820308880005	-24.176868035073	VS	70	1
-46.780656820457	-24.176110958951	VS	100	1	-46.81986295996	-24.175760660281	VS	70	1
-46.780605442393	-24.175390964725	VS	100	1	-46.820142292774	-24.175945892007	VS	70	1
-46.780318113043	-24.175593210214	VS	100	1	-46.820411815997	-24.176131196568	VS	70	1
-46.780087875902	-24.17177049717	VS	100	1	-46.820691504106	-24.176334207777	VS	70	1
-46.860515902993	-24.209929511205	VS	70	1	-46.820970849013	-24.176519447581	VS	70	1
-46.860273662406	-24.210110663392	VS	70	1	-46.857611341852	-24.219580659763	VS	70	1
-46.860014149924	-24.210299369397	VS	100	1	-46.857462049999	-24.218536248805	VS	70	1
-46.813093231978	-24.186328023452	VS	100	1	-46.857485365299	-24.21997809063	VS	70	1
-46.813243393095	-24.194865898777	VS	100	1	-46.857382040128	-24.219439699319	VS	70	1
-46.81301189955	-24.187512690822	VS	100	1	-46.857291158457	-24.218778520861	VS	70	1
-46.813048767211	-24.188986966051	VS	100	1	-46.857254384816	-24.22121426576	VS	70	1
-46.813104928059	-24.191514907432	VS	250	2	-46.857142260187	-24.219298389922	VS	70	1
-46.813145634891	-24.193905119437	VS	100	1	-46.857129150956	-24.218990839253	VS	70	1
-46.812980797224	-24.189606258746	VS	100	1	-46.857113501634	-24.220525162637	VS	70	1
-46.812791255957	-24.18721222166	VS	100	1	-46.85694185973	-24.219256160262	VS	70	1
-46.812854395712	-24.191713107798	VS	250	2	-46.856942805703	-24.220754906626	VS	70	1
-46.812928739266	-24.194709494728	VS	100	1	-46.856939245913	-24.221040120462	VS	70	1
-46.812730069012	-24.189795546168	VS	100	1	-46.856807655135	-24.219479974257	VS	70	1
-46.812845056135	-24.193690192614	VS	100	1	-46.856722567105	-24.221082677362	VS	70	1
-46.78005749588	-24.175782554836	VS	100	1	-46.856655404037	-24.219693639801	VS	70	1
-46.779796938364	-24.175971855495	VS	100	1	-46.856610640087	-24.220846520101	VS	70	1
-46.779676250253	-24.172938908713	VS	100	1	-46.85641930287	-24.220024936037	VS	70	1
-46.908434799816	-24.244930922327	VS	70	1	-46.856313979958	-24.22018690062	VS	70	1
-46.860083031207	-24.21059012691	VS	70	1	-46.821260426211	-24.176722440902	VS	70	1
-46.812569352499	-24.18691243889	VS	100	1	-46.821154920072	-24.175384217572	VS	70	1
-46.778335357318	-24.15034126723	VS	70	1	-46.820880282295	-24.175199648525	VS	70	1
-46.778227090299	-24.150251157116	VS	70	1	-46.820552577413	-24.174974068831	VS	70	1
-46.778714039154	-24.172928143027	VS	100	1	-46.820271245873	-24.174776034493	VS	70	1
-46.859879954258	-24.210320844314	VS	70	1	-46.819949980164	-24.174553470564	VS	70	1
-46.859760232256	-24.210473133918	VS	100	1	-46.819591761561	-24.174315618968	VS	70	1
-46.859373511263	-24.211623244834	VS	70	1	-46.81931310299	-24.17412310223	VS	70	1
-46.859010206333	-24.211003137981	VS	70	1	-46.815153717325	-24.176357515483	VS	100	1
-46.858990425059	-24.211181139896	VS	70	1	-46.81490943148	-24.176116212762	VS	70	1
-46.812744596104	-24.191874527936	VS	100	1	-46.815638244427	-24.176767853967	VS	70	1
-46.812727119387	-24.19118999792	VS	250	2	-46.815855216143	-24.176950044537	VS	70	1
-46.81268354974	-24.190651132755	VS	100	1	-46.814121851505	-24.176414939895	VS	70	1
-46.812408674565	-24.19445376053	VS	100	1	-46.856185436577	-24.217113755028	VS	70	1
-46.812470411542	-24.188206182592	VS	100	1	-46.856261627579	-24.220644049885	VS	70	1
-46.812339335503	-24.186631474307	VS	100	1	-46.856133703761	-24.220447091853	VS	70	1
-46.812457590598	-24.192621912806	VS	100	1	-46.856218100345	-24.219603062625	VS	70	1
-46.812648374894	-24.189852884379	VS	100	1	-46.856003955708	-24.220638270226	VS	70	1
-46.721135202729	-24.145134952123	VS	100	1	-46.855963053645	-24.220467901944	VS	70	1
-46.720983684582	-24.145368979027	VS	100	1	-46.855830408733	-24.21937955749	VS	70	1
-46.721006260515	-24.147599239966	VS	100	1	-46.855840490332	-24.220873881071	VS	70	1
-46.720942219411	-24.147367570128	VS	100	1	-46.855702560257	-24.219683229265	VS	70	1
-46.720865050318	-24.14627124777	VS	100	1	-46.855759506759	-24.220347089218	VS	70	1
-46.720877505598	-24.145004800503	VS	100	1	-46.855615932794	-24.217519732928	VS	70	1
-46.720736577511	-24.146138035895	VS	100	1	-46.855649625695	-24.221137948362	VS	70	1
-46.77841966	-24.166715062631	VS	100	1	-46.81435480876	-24.176604685507	VS	70	1
-46.778420768922	-24.173514820954	VS	150	1	-46.814543266313	-24.176763463572	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.778156887973	-24.173409015434	VS	150	1	-46.821304878346	-24.183574962425	VS	100	1
-46.778114908237	-24.174114284671	VS	250	1	-46.821319034043	-24.182588340429	VS	100	1
-46.778063418571	-24.178239472862	VS	250	1	-46.814491130155	-24.176271038292	VS	70	1
-46.777992858154	-24.174944706693	VS	100	1	-46.812858375371	-24.176961638661	VS	70	1
-46.777904803306	-24.174099955624	VS	100	1	-46.816202128768	-24.17607722178	VS	70	1
-46.777825693045	-24.173979818191	VS	250	1	-46.816527853744	-24.176279269306	VS	70	1
-46.812227334669	-24.186484686896	VS	100	1	-46.817125396513	-24.176635367765	VS	70	1
-46.812401890875	-24.192056693799	VS	250	2	-46.816220687658	-24.175333750886	VS	70	1
-46.81240592881	-24.191663114641	VS	100	1	-46.855569719665	-24.21987155499	VS	70	1
-46.812361358032	-24.190453255258	VS	100	1	-46.855561519676	-24.22023310888	VS	70	1
-46.812257279993	-24.187913447715	VS	100	1	-46.855429403869	-24.219154327096	VS	70	1
-46.816226697744	-24.194550934621	VS	100	1	-46.855332528549	-24.220212421785	VS	70	1
-46.816172176845	-24.191416871064	VS	100	1	-46.855216636861	-24.21773725653	VS	70	1
-46.816073235697	-24.190926458246	VS	100	1	-46.855235933612	-24.220045358697	VS	70	1
-46.816085904499	-24.192353539479	VS	100	1	-46.855199417437	-24.218773467462	VS	70	1
-46.816045953751	-24.191819001744	VS	100	1	-46.855114892862	-24.220525627425	VS	70	1
-46.720703684932	-24.145567248573	VS	100	1	-46.855015575276	-24.218684513784	VS	100	1
-46.720616825167	-24.1461480779	VS	100	1	-46.855007712052	-24.218552229265	VS	70	1
-46.720669430437	-24.144924481251	VS	100	1	-46.854985358869	-24.219461035495	VS	70	1
-46.720596620325	-24.146861545686	VS	100	1	-46.742388557496	-24.154608250691	VS	70	1
-46.720414284774	-24.145142560753	VS	100	1	-46.872946051727	-24.225936360832	VS	70	1
-46.777396792463	-24.175213456484	VS	100	1	-46.873258885913	-24.225721058909	VS	70	1
-46.77734674946	-24.176989627547	VS	100	1	-46.791017492709	-24.176569447766	VS	100	1
-46.777535019957	-24.173855615713	VS	250	1	-46.790731583082	-24.176852048416	VS	100	1
-46.777342955577	-24.177869146429	VS	250	1	-46.791197827038	-24.175955022252	VS	100	1
-46.777144705219	-24.174662114489	VS	100	1	-46.791173734476	-24.175580363057	VS	100	1
-46.777157634036	-24.175063544822	VS	100	1	-46.900978735706	-24.225763537577	VS	70	1
-46.777131934443	-24.177757520039	VS	250	1	-46.901190751999	-24.226002577545	VS	70	1
-46.776794141617	-24.177580546513	VS	250	1	-46.814879949947	-24.193915854693	VS	100	1
-46.77656846548	-24.173444905848	VS	100	1	-46.814767360553	-24.194130736396	VS	100	1
-46.861136035839	-24.226128825459	VS	100	1	-46.814709628469	-24.194039232002	VS	100	1
-46.861104119876	-24.226479573982	VS	100	1	-46.814571947749	-24.193957627586	VS	100	1
-46.858726419764	-24.207690596636	VS	70	1	-46.815054393912	-24.193274614326	VS	100	1
-46.858463498948	-24.20753011479	VS	70	1	-46.81531262198	-24.193397563361	VS	100	1
-46.858508271805	-24.211364068171	VS	70	1	-46.814696741509	-24.193098900266	VS	100	1
-46.858256151559	-24.211536237693	VS	70	1	-46.815416596201	-24.194179231516	VS	100	1
-46.76574647735	-24.169987249721	VS	70	1	-46.815095732399	-24.193485444752	VS	100	1
-46.720413970397	-24.145774575398	VS	100	1	-46.814992883008	-24.19370036923	VS	100	1
-46.720420524552	-24.147728211898	VS	100	1	-46.74997913474	-24.164539152796	VS	100	1
-46.815880819373	-24.190864131954	VS	100	1	-46.850399050558	-24.209036504239	VS	100	1
-46.815826841175	-24.19135699335	VS	100	1	-46.88252267579	-24.213501745246	VS	100	1
-46.815767542867	-24.190791638954	VS	100	1	-46.788519822039	-24.177864620684	VS	100	1
-46.815782732127	-24.191034820735	VS	100	1	-46.78837664224	-24.1779286469	VS	100	1
-46.815743173532	-24.192175704853	VS	100	1	-46.788265961264	-24.177837265873	VS	100	1
-46.860912986665	-24.226353884297	VS	100	1	-46.788192787108	-24.177650390818	VS	100	1
-46.860923568854	-24.226268472568	VS	100	1	-46.787833467084	-24.177498413352	VS	100	1
-46.776419714472	-24.16601258878	VS	100	1	-46.90710415526	-24.22810724731	VS	100	1
-46.776458886929	-24.177395474559	VS	250	1	-46.85065839423	-24.209006037196	VS	100	1
-46.857965843136	-24.209149275451	VS	70	1	-46.850894544356	-24.209278152729	VS	100	1
-46.857995397201	-24.211884241513	VS	100	1	-46.861202372442	-24.210185505396	VS	70	1
-46.857721455767	-24.209922788705	VS	70	1	-46.860970849715	-24.210356870227	VS	70	1
-46.857734106531	-24.209311712136	VS	70	1	-46.860755087978	-24.210518421128	VS	70	1
-46.815740536955	-24.191776720683	VS	100	1	-46.874610661501	-24.224793242472	VS	70	1
-46.815570546358	-24.190432506807	VS	250	2	-46.874369522288	-24.224973634641	VS	100	1
-46.815523802632	-24.190648668471	VS	100	1	-46.874108966353	-24.225163101764	VS	100	1
-46.857516127686	-24.209668571569	VS	70	1	-46.852059599075	-24.207854444119	VS	100	1
-46.857500798165	-24.209484113656	VS	70	1	-46.776705263171	-24.168125157442	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.857513875241	-24.212067895648	VS	70	1	-46.777225076078	-24.168513789466	VS	100	1
-46.857403619786	-24.208560146823	VS	70	1	-46.77690270529	-24.168737272407	VS	100	1
-46.857297569678	-24.209418565082	VS	70	1	-46.776606924023	-24.1689467605	VS	100	1
-46.85724197023	-24.20967256276	VS	100	1	-46.851789987885	-24.208026098572	VS	100	1
-46.857151009672	-24.208267674743	VS	70	1	-46.852339566351	-24.207655941676	VS	100	1
-46.857177507934	-24.210433322285	VS	100	1	-46.852640277654	-24.207433398998	VS	100	1
-46.857094370936	-24.209169373518	VS	70	1	-46.850717528936	-24.208801936406	VS	100	1
-46.85707044567	-24.211110674559	VS	70	1	-46.921745079942	-24.211614407804	VS	70	1
-46.856990927779	-24.209844002359	VS	100	1	-46.921438027052	-24.211838633925	VS	70	1
-46.812339237913	-24.192573620622	VS	100	1	-46.921146768305	-24.212072534144	VS	70	1
-46.812262558433	-24.194776954174	VS	100	1	-46.920796072505	-24.212332196116	VS	70	1
-46.812160007638	-24.192235908835	VS	250	2	-46.920438066332	-24.212575962827	VS	70	1
-46.812096799707	-24.191469085052	VS	100	1	-46.920167853056	-24.212771950905	VS	70	1
-46.812089969497	-24.192414903936	VS	100	1	-46.91985831846	-24.21299736897	VS	70	1
-46.812050168823	-24.19031597865	VS	100	1	-46.923748818784	-24.210120158252	VS	70	1
-46.811947792537	-24.192389126668	VS	250	2	-46.923339860665	-24.210420337882	VS	70	1
-46.815492000449	-24.191314939581	VS	100	1	-46.783799927181	-24.17568171089	VS	70	1
-46.815481419153	-24.191162044262	VS	100	1	-46.717962838111	-24.146457032949	VS	100	1
-46.720266690078	-24.144700561951	VS	100	1	-46.723439068971	-24.150612789563	VS	100	1
-46.720325918667	-24.147051032964	VS	100	1	-46.723665561148	-24.15043632719	VS	100	1
-46.720101968231	-24.145362152983	VS	100	1	-46.905120568535	-24.247084585914	VS	100	1
-46.720106680982	-24.147051076529	VS	100	1	-46.905439687768	-24.247099022051	VS	100	1
-46.72004255439	-24.144617843496	VS	100	1	-46.777337633826	-24.180784859669	VS	100	1
-46.719907195488	-24.145501511359	VS	100	1	-46.899719073349	-24.227153552747	VS	70	1
-46.719890523055	-24.144778876282	VS	100	1	-46.905292945926	-24.245972235715	VS	100	1
-46.85686501461	-24.211045074161	VS	70	1	-46.905684236486	-24.246923604254	VS	100	1
-46.856788436275	-24.209997289129	VS	100	1	-46.905931914505	-24.246747485881	VS	100	1
-46.856800760975	-24.211308816703	VS	70	1	-46.906154157168	-24.246586532766	VS	100	1
-46.856632473393	-24.210770287594	VS	70	1	-46.906364717181	-24.246436913912	VS	100	1
-46.856556626241	-24.210159775769	VS	100	1	-46.906657188974	-24.246228197925	VS	100	1
-46.856430715688	-24.210531530092	VS	70	1	-46.818829411232	-24.185699608938	VS	70	1
-46.719918611603	-24.148088622986	VS	100	1	-46.818962495092	-24.185991696295	VS	100	1
-46.815425548248	-24.191743426152	VS	100	1	-46.819092612536	-24.186308730513	VS	100	1
-46.815246182406	-24.190771241805	VS	100	1	-46.819203372583	-24.18660426164	VS	100	1
-46.81485564492	-24.177020226198	VS	70	1	-46.782398864743	-24.155488804265	VS	70	1
-46.815216360102	-24.190525322484	VS	250	2	-46.782191123329	-24.155269667397	VS	70	1
-46.815110506442	-24.191701239778	VS	100	1	-46.907542822568	-24.245583242233	VS	100	1
-46.815040880831	-24.191808517054	VS	100	1	-46.906955709968	-24.24600989728	VS	100	1
-46.773792647194	-24.157475654709	VS	70	1	-46.907014871318	-24.245774831762	VS	100	1
-46.773666759732	-24.154558460503	VS	70	1	-46.907251715856	-24.245801617785	VS	100	1
-46.856198780793	-24.210274801128	VS	100	1	-46.788811422951	-24.156506639548	VS	100	1
-46.856031786915	-24.209079805338	VS	70	1	-46.788962501842	-24.156722507218	VS	100	1
-46.85594578329	-24.209999149813	VS	70	1	-46.789083128438	-24.155911220946	VS	100	1
-46.855795054724	-24.208623803057	VS	70	1	-46.788920677206	-24.155662870737	VS	100	1
-46.855776858154	-24.208783427084	VS	70	1	-46.788772122881	-24.155434189401	VS	100	1
-46.855676223459	-24.209717393617	VS	70	1	-46.899566955444	-24.232087707699	VS	100	1
-46.855472132259	-24.20948582969	VS	70	1	-46.899217902836	-24.231876344773	VS	100	1
-46.855216084062	-24.20903287967	VS	70	1	-46.899927737341	-24.231433379101	VS	100	1
-46.855207774876	-24.209190419781	VS	70	1	-46.900178665867	-24.231252874096	VS	100	1
-46.855144840459	-24.210166409967	VS	70	1	-46.900441283605	-24.231061061527	VS	100	1
-46.853877662493	-24.160698388237	VS	70	1	-46.899435868705	-24.231803258964	VS	100	1
-46.855001345934	-24.209168185348	VS	70	1	-46.899194880332	-24.231974527251	VS	100	1
-46.85490249129	-24.209891696578	VS	70	1	-46.906177114657	-24.231706310172	VS	100	1
-46.854666992111	-24.209413519385	VS	70	1	-46.905964380865	-24.231474983221	VS	100	1
-46.814964372735	-24.190889362657	VS	100	1	-46.906210173953	-24.232677706312	VS	70	1
-46.719785932294	-24.143754086382	VS	100	1	-46.905422509566	-24.231809526653	VS	70	1
-46.719865370874	-24.146919102388	VS	100	1	-46.905200284434	-24.231561451617	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.719829463385	-24.146795684512	VS	100	1	-46.904958024925	-24.231295768028	VS	70	1
-46.719705604854	-24.144437962434	VS	100	1	-46.904756117516	-24.231074334104	VS	70	1
-46.71966757929	-24.148268861715	VS	100	1	-46.905328162	-24.233559339394	VS	70	1
-46.719635286104	-24.14860772101	VS	100	1	-46.905086057938	-24.233302505112	VS	70	1
-46.71930095502	-24.146636834737	VS	100	1	-46.76925324363	-24.157277212029	VS	100	1
-46.719530625549	-24.147020729246	VS	100	1	-46.765649607098	-24.158347237966	VS	70	1
-46.719305003287	-24.144233078106	VS	100	1	-46.765973640128	-24.157914734462	VS	70	1
-46.719447888747	-24.14768152103	VS	100	1	-46.770798751796	-24.156724472092	VS	70	1
-46.719344210587	-24.145443286572	VS	100	1	-46.84891641651	-24.213387252202	VS	70	1
-46.773348927985	-24.154400206726	VS	70	1	-46.811872077507	-24.187407780606	VS	70	1
-46.773120561249	-24.153036922227	VS	70	1	-46.812060275932	-24.187659239853	VS	100	1
-46.816906802695	-24.193546016049	VS	100	1	-46.828058815501	-24.19149480168	VS	70	1
-46.773051003721	-24.154241954855	VS	70	1	-46.827746734195	-24.192007580026	VS	70	1
-46.816443665634	-24.193304311642	VS	100	1	-46.827905261761	-24.191730535738	VS	70	1
-46.816221068887	-24.19320324331	VS	100	1	-46.815658230629	-24.183314886568	VS	100	1
-46.772762608303	-24.154083489095	VS	70	1	-46.815396787905	-24.18335074936	VS	100	1
-46.815903225936	-24.193045152949	VS	100	1	-46.81543698083	-24.183634541357	VS	100	1
-46.77265831555	-24.153415013638	VS	100	1	-46.815107838167	-24.183174493873	VS	100	1
-46.81607266155	-24.19288053764	VS	100	1	-46.815237884856	-24.183921346609	VS	100	1
-46.854638813744	-24.209597476376	VS	70	1	-46.81499932534	-24.183960686849	VS	100	1
-46.854427035568	-24.209595291697	VS	70	1	-46.809509819617	-24.188472360142	VS	70	1
-46.854333044626	-24.210297827684	VS	70	1	-46.808862991662	-24.188081115019	VS	70	1
-46.854110545031	-24.209819291894	VS	70	1	-46.808510246632	-24.187880820318	VS	70	1
-46.854033620898	-24.210505360262	VS	70	1	-46.81185900064	-24.18963810939	VS	100	1
-46.853937986722	-24.21142771218	VS	70	1	-46.815307581237	-24.184136581005	VS	100	1
-46.811896758212	-24.191776305748	VS	250	2	-46.815057084969	-24.184163737061	VS	100	1
-46.811911563598	-24.194609576181	VS	100	1	-46.814700034292	-24.183784173166	VS	100	1
-46.811936332933	-24.194218127732	VS	100	1	-46.814885967514	-24.184397034915	VS	100	1
-46.81593034381	-24.193179885087	VS	100	1	-46.814705846299	-24.184666130722	VS	100	1
-46.811860419404	-24.192264871093	VS	100	1	-46.814506132785	-24.18493533652	VS	100	1
-46.81167914802	-24.187150141286	VS	100	1	-46.781740993827	-24.11073943807	VS	100	1
-46.811746382201	-24.190543726304	VS	100	1	-46.896126604558	-24.223768310209	VS	70	1
-46.811758993296	-24.19126267103	VS	100	1	-46.89633875039	-24.224007512481	VS	70	1
-46.815664802218	-24.192930954144	VS	100	1	-46.896581006337	-24.224273251632	VS	70	1
-46.811526336594	-24.186919319517	VS	100	1	-46.896810540427	-24.224533480593	VS	70	1
-46.815801102242	-24.193638173862	VS	100	1	-46.734727728474	-24.154093703726	VS	100	1
-46.719320756204	-24.145175451728	VS	100	1	-46.789218698207	-24.180707813828	VS	100	1
-46.719331154609	-24.148461323212	VS	100	1	-46.863267797086	-24.213627407243	VS	70	1
-46.719230905084	-24.147219198571	VS	100	1	-46.863271907547	-24.213894844012	VS	70	1
-46.718973397106	-24.144045051739	VS	100	1	-46.752007098604	-24.156659258472	VS	70	1
-46.772464367321	-24.15392505614	VS	70	1	-46.749613188772	-24.165458577851	VS	100	1
-46.779011870458	-24.180085307752	VS	250	1	-46.74934282988	-24.165313643848	VS	100	1
-46.772473687788	-24.166227788525	VS	100	1	-46.749082475428	-24.165161875527	VS	100	1
-46.772321434261	-24.160002536084	VS	100	1	-46.748843144654	-24.165012632121	VS	100	1
-46.772156356978	-24.153766730176	VS	70	1	-46.813500537414	-24.177695430537	VS	70	1
-46.772041492881	-24.160200889394	VS	100	1	-46.813847888769	-24.177808856631	VS	70	1
-46.77185808787	-24.153608304421	VS	70	1	-46.823194433804	-24.196457148585	VS	100	1
-46.853810627261	-24.210027234412	VS	70	1	-46.751909318023	-24.160272988931	VS	100	1
-46.85370652132	-24.211194840552	VS	70	1	-46.880165678044	-24.208675141691	VS	70	1
-46.853563956782	-24.210187390402	VS	70	1	-46.867618737789	-24.212178620427	VS	70	1
-46.852244636458	-24.159527700723	VS	100	1	-46.87927729493	-24.209298065538	VS	70	1
-46.853463941972	-24.210911210664	VS	70	1	-46.896577216396	-24.236494462283	VS	100	1
-46.811621192829	-24.192115004343	VS	100	1	-46.896428809717	-24.236603359802	VS	100	1
-46.811647578502	-24.194042004202	VS	100	1	-46.897191727256	-24.236896604441	VS	100	1
-46.811619686399	-24.193696160283	VS	100	1	-46.819349714788	-24.199970100166	VS	250	1
-46.718999791751	-24.148310156868	VS	100	1	-46.819185023785	-24.200386422188	VS	70	1
-46.718960919065	-24.147426318984	VS	100	1	-46.819994827596	-24.20006158922	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.718710716274	-24.143916595988	VS	100	1	-46.820165256668	-24.199798127661	VS	250	1
-46.718772294157	-24.14424107199	VS	100	1	-46.820155634372	-24.199589242	VS	250	1
-46.814411028041	-24.192447616189	VS	100	1	-46.820383295585	-24.199478794531	VS	250	1
-46.814185075139	-24.192166124656	VS	100	1	-46.820625389687	-24.199624680557	VS	250	1
-46.814285755403	-24.19166190002	VS	100	1	-46.820558203607	-24.199501316853	VS	250	1
-46.814147005295	-24.191788940475	VS	100	1	-46.820283520955	-24.199922868011	VS	250	1
-46.814295599845	-24.191159981834	VS	100	1	-46.820100056627	-24.200203823187	VS	250	1
-46.771837346306	-24.154830458551	VS	70	1	-46.820095690906	-24.200383527346	VS	250	1
-46.833194730933	-24.188861609123	VS	70	1	-46.819638131785	-24.200128422702	VS	250	1
-46.771931237245	-24.166322401936	VS	100	1	-46.799303935941	-24.161304565986	VS	70	1
-46.771663904756	-24.154118212767	VS	70	1	-46.797752573649	-24.162755574923	VS	70	1
-46.771761556444	-24.160408302951	VS	100	1	-46.797623180332	-24.162519909273	VS	70	1
-46.771510409278	-24.160579677326	VS	100	1	-46.797429708723	-24.162208121529	VS	70	1
-46.771721938045	-24.166467277397	VS	100	1	-46.799823769239	-24.161436903635	VS	70	1
-46.77141436153	-24.166690230394	VS	100	1	-46.799133585227	-24.161718716823	VS	70	1
-46.771139005634	-24.16707607959	VS	100	1	-46.798761015552	-24.16185578515	VS	70	1
-46.771108688779	-24.166909953828	VS	100	1	-46.797259144625	-24.162471491565	VS	70	1
-46.853337703237	-24.20598401228	VS	70	1	-46.797850267533	-24.162236992357	VS	70	1
-46.814143388439	-24.192856375602	VS	100	1	-46.79813506041	-24.162116086264	VS	70	1
-46.813925342896	-24.192618621248	VS	100	1	-46.79793064014	-24.161888574688	VS	70	1
-46.718651944558	-24.147633542142	VS	100	1	-46.882306737118	-24.203473460789	VS	100	1
-46.718508866154	-24.144440578345	VS	100	1	-46.882558073039	-24.203310818138	VS	100	1
-46.718468912796	-24.143799914431	VS	100	1	-46.88282832168	-24.203121294878	VS	100	1
-46.718432322151	-24.144033507817	VS	100	1	-46.883079432224	-24.202949727813	VS	100	1
-46.770859729056	-24.167088734052	VS	100	1	-46.883301531361	-24.202796237548	VS	100	1
-46.770846978525	-24.166949232532	VS	100	1	-46.827396852425	-24.198994537026	VS	70	1
-46.77065753569	-24.162484953116	VS	100	1	-46.906993563598	-24.236497860849	VS	70	1
-46.770702839521	-24.16781526486	VS	70	1	-46.907282777301	-24.236673973649	VS	70	1
-46.770627987949	-24.167251042686	VS	100	1	-46.907571766653	-24.236841153457	VS	70	1
-46.770538941989	-24.166790899429	VS	100	1	-46.90788082997	-24.237026023066	VS	70	1
-46.77048091592	-24.167977503209	VS	70	1	-46.784358370533	-24.169602627629	VS	100	1
-46.770386860238	-24.167431265663	VS	100	1	-46.715869412324	-24.144340698637	VS	100	1
-46.770200726423	-24.168166927423	VS	70	1	-46.715561900229	-24.144563679452	VS	100	1
-46.769850149024	-24.161562559527	VS	100	1	-46.715227388409	-24.144794933443	VS	100	1
-46.769969480387	-24.168337966599	VS	70	1	-46.781338935297	-24.173846418833	VS	70	1
-46.769894351047	-24.167773926013	VS	100	1	-46.781576408247	-24.173819001413	VS	70	1
-46.852929051545	-24.205273335118	VS	100	1	-46.781845409003	-24.174028524837	VS	70	1
-46.851629605506	-24.159967741179	VS	100	1	-46.78134590296	-24.17365300844	VS	70	1
-46.852721112451	-24.205257269304	VS	70	1	-46.781124007834	-24.173488777456	VS	70	1
-46.852723346938	-24.206158468025	VS	70	1	-46.78092009365	-24.173324647861	VS	70	1
-46.718206731425	-24.142944419981	VS	100	1	-46.781573061205	-24.173615613241	VS	70	1
-46.718193397311	-24.144654217979	VS	100	1	-46.781769537878	-24.173389299603	VS	70	1
-46.718146264183	-24.14364588226	VS	100	1	-46.781985956176	-24.173156325596	VS	70	1
-46.718041406433	-24.142070768071	VS	100	1	-46.781675473788	-24.173097324587	VS	70	1
-46.813998300364	-24.19207463118	VS	100	1	-46.781429260075	-24.173345790866	VS	70	1
-46.813955815134	-24.191815966524	VS	100	1	-46.782005043737	-24.173684301217	VS	70	1
-46.814071994515	-24.193639295571	VS	100	1	-46.782212442399	-24.173420234192	VS	70	1
-46.813912776691	-24.193025454153	VS	100	1	-46.781962125588	-24.173041986069	VS	70	1
-46.813890400389	-24.191618890129	VS	100	1	-46.781288796494	-24.172382148283	VS	70	1
-46.769643261543	-24.167954312571	VS	100	1	-46.782236147925	-24.172908473344	VS	70	1
-46.76934868535	-24.166707389487	VS	100	1	-46.782460353697	-24.17266874507	VS	70	1
-46.7690643717	-24.1669048112	VS	100	1	-46.782948528535	-24.172907833393	VS	70	1
-46.768985401427	-24.164424068348	VS	100	1	-46.782699288344	-24.172695676853	VS	70	1
-46.769003569827	-24.16015179736	VS	70	1	-46.782439291625	-24.172483717852	VS	70	1
-46.768737822894	-24.164002055508	VS	100	1	-46.800107495745	-24.157046769684	VS	70	1
-46.768588034494	-24.158917499146	VS	100	1	-46.799798568071	-24.157263241767	VS	70	1
-46.768317743346	-24.159106818213	VS	70	1	-46.799479840115	-24.157479794437	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.768268990616	-24.157998327068	VS	100	1	-46.799171128761	-24.157705196672	VS	70	1
-46.768424831064	-24.164221534308	VS	100	1	-46.798086819382	-24.156881169552	VS	70	1
-46.768066811782	-24.159287109093	VS	100	1	-46.797855148837	-24.157362779145	VS	70	1
-46.768104071855	-24.164446476308	VS	100	1	-46.79818456018	-24.157498548964	VS	70	1
-46.811508954853	-24.190260842996	VS	100	1	-46.797952847962	-24.157651872211	VS	70	1
-46.811578049659	-24.194434870936	VS	100	1	-46.798138053875	-24.157699735002	VS	70	1
-46.811466834252	-24.190759996014	VS	100	1	-46.797711553767	-24.15782321481	VS	70	1
-46.811448565377	-24.191063339261	VS	100	1	-46.797450839894	-24.158003632001	VS	70	1
-46.811392206626	-24.191982919128	VS	100	1	-46.79906647445	-24.158378400571	VS	70	1
-46.811375157169	-24.192137217345	VS	250	2	-46.799333389128	-24.158197935075	VS	70	1
-46.811377753489	-24.193889373974	VS	100	1	-46.798546732208	-24.158852425741	VS	70	1
-46.811168252133	-24.190994133588	VS	100	1	-46.797976011197	-24.1593203449	VS	70	1
-46.813938672683	-24.191311592994	VS	100	1	-46.797873529906	-24.159467964854	VS	70	1
-46.813754214796	-24.192487770507	VS	100	1	-46.798393631005	-24.159636223997	VS	70	1
-46.813777688476	-24.191945159935	VS	100	1	-46.798682538408	-24.159428534836	VS	70	1
-46.718016359113	-24.143647586515	VS	100	1	-46.798999830939	-24.159183716299	VS	70	1
-46.717879042469	-24.142777227864	VS	100	1	-46.799465559511	-24.158855735443	VS	70	1
-46.717890017389	-24.144418219145	VS	100	1	-46.799772617034	-24.158627807897	VS	70	1
-46.717688361527	-24.143890785668	VS	100	1	-46.800075961995	-24.158400994369	VS	70	1
-46.7176262089	-24.142359144478	VS	100	1	-46.800367445739	-24.158161879974	VS	70	1
-46.717580949363	-24.142618737254	VS	100	1	-46.799437132419	-24.159160462975	VS	70	1
-46.767818775334	-24.158908457469	VS	100	1	-46.799615440832	-24.159297481237	VS	70	1
-46.767816096256	-24.159476312912	VS	70	1	-46.799805676326	-24.15931489019	VS	70	1
-46.767789838597	-24.164668668809	VS	100	1	-46.800131908117	-24.159104882382	VS	70	1
-46.76752608439	-24.158530016135	VS	100	1	-46.823956940591	-24.181272834406	VS	100	1
-46.717585689704	-24.143347373526	VS	100	1	-46.783951588912	-24.167789676366	VS	70	1
-46.813685535976	-24.193187610628	VS	100	1	-46.783317584273	-24.168185184115	VS	70	1
-46.813756149297	-24.193445732968	VS	100	1	-46.814372117254	-24.185118353158	VS	100	1
-46.813567892022	-24.191421844519	VS	100	1	-46.878864511701	-24.223463138239	VS	70	1
-46.813546537353	-24.192164739616	VS	100	1	-46.873311488136	-24.228938065591	VS	70	1
-46.813470507007	-24.193416342944	VS	100	1	-46.877487147141	-24.222744860307	VS	70	1
-46.813385911851	-24.193226014419	VS	100	1	-46.877294030377	-24.222880252034	VS	70	1
-46.813315007018	-24.19234509804	VS	100	1	-46.876612629659	-24.222704929451	VS	100	1
-46.813008994148	-24.186203828043	VS	100	1	-46.876308515374	-24.222920359101	VS	100	1
-46.813116797803	-24.193058530497	VS	100	1	-46.800384907193	-24.158922381395	VS	70	1
-46.813078312044	-24.192543904799	VS	100	1	-46.799790672831	-24.159489726827	VS	70	1
-46.767545782942	-24.159665638735	VS	70	1	-46.800486348362	-24.159677931727	VS	70	1
-46.767497394714	-24.158742483238	VS	70	1	-46.800006109499	-24.159730116806	VS	70	1
-46.767590521329	-24.164064221553	VS	100	1	-46.789349626141	-24.156325966766	VS	100	1
-46.767472911085	-24.164894752511	VS	100	1	-46.789252444138	-24.156174068872	VS	100	1
-46.767275082687	-24.158710357854	VS	100	1	-46.789676999769	-24.156348603441	VS	100	1
-46.767211664691	-24.159907464606	VS	70	1	-46.788031168378	-24.155274371857	VS	100	1
-46.778998108514	-24.174518157579	VS	250	1	-46.788491981042	-24.154994894387	VS	100	1
-46.777222585144	-24.173719638641	VS	250	1	-46.788599639777	-24.15516731367	VS	100	1
-46.776945018357	-24.173605706955	VS	250	1	-46.816688578	-24.19660170638	VS	100	1
-46.852397010088	-24.206600894778	VS	70	1	-46.83411732062	-24.200801876982	VS	70	1
-46.852195025579	-24.206370475973	VS	70	1	-46.834455210225	-24.200968795327	VS	70	1
-46.852298558464	-24.212387817829	VS	70	1	-46.834710608184	-24.201098606806	VS	70	1
-46.851938027395	-24.212340141883	VS	70	1	-46.841885064427	-24.204811162332	VS	70	1
-46.812856131431	-24.192703413333	VS	100	1	-46.842373093647	-24.204013310468	VS	70	1
-46.812882664076	-24.192896805354	VS	100	1	-46.842984647861	-24.202992210932	VS	70	1
-46.812337611602	-24.186054252894	VS	100	1	-46.78902109074	-24.156548463514	VS	100	1
-46.812486689197	-24.196495548983	VS	100	1	-46.739543323381	-24.151974078334	VS	100	1
-46.812091301837	-24.186308801757	VS	100	1	-46.856750825804	-24.215832723478	VS	70	1
-46.812105236388	-24.18618985919	VS	100	1	-46.747094715218	-24.159745408865	VS	100	1
-46.811980359527	-24.186144390131	VS	100	1	-46.834090048508	-24.181251294527	VS	70	1
-46.811786016922	-24.186379550787	VS	100	1	-46.833877814963	-24.181003005835	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.811695581647	-24.187837031434	VS	100	1	-46.826807591078	-24.179600222006	VS	100	1
-46.811439215166	-24.187734541111	VS	100	1	-46.828887745157	-24.186174251318	VS	70	1
-46.811303243636	-24.186617852604	VS	100	1	-46.829119472304	-24.186403308852	VS	70	1
-46.767202613792	-24.158581566177	VS	70	1	-46.830817899313	-24.183698924021	VS	70	1
-46.767310411966	-24.164244555417	VS	100	1	-46.831074927403	-24.183573130962	VS	70	1
-46.767062982139	-24.158872513935	VS	100	1	-46.782730752269	-24.177047123221	VS	100	1
-46.767192845438	-24.165084111771	VS	100	1	-46.782343201751	-24.177431129483	VS	70	1
-46.767067228179	-24.160022465181	VS	70	1	-46.792365671176	-24.183128604732	VS	70	1
-46.767111793297	-24.166133087751	VS	100	1	-46.792676823748	-24.182909386951	VS	70	1
-46.766971840427	-24.159060201119	VS	70	1	-46.792946348948	-24.182780969829	VS	70	1
-46.81125913258	-24.188308822055	VS	100	1	-46.81503671753	-24.179239275293	VS	70	1
-46.811216773928	-24.187574164292	VS	100	1	-46.815124118935	-24.177124619414	VS	70	1
-46.811146124657	-24.186284094244	VS	100	1	-46.81539241678	-24.176865852817	VS	70	1
-46.811138875455	-24.186391229453	VS	100	1	-46.815670180864	-24.176596454535	VS	100	1
-46.811205838243	-24.188164127765	VS	100	1	-46.815903240074	-24.176369410067	VS	100	1
-46.811009035264	-24.188114432764	VS	100	1	-46.817036495331	-24.177134403172	VS	70	1
-46.810948792815	-24.187370979085	VS	100	1	-46.81672191858	-24.176887312389	VS	70	1
-46.810999958076	-24.194285482543	VS	100	1	-46.81644948769	-24.176652757583	VS	70	1
-46.810783633535	-24.187018624546	VS	100	1	-46.776446971525	-24.173325692634	VS	70	1
-46.810583609202	-24.18727322748	VS	100	1	-46.775187354655	-24.173842976602	VS	70	1
-46.810646885992	-24.191520329356	VS	100	1	-46.77519312979	-24.173663364454	VS	70	1
-46.810509461998	-24.187752393518	VS	100	1	-46.774933670602	-24.173841669774	VS	70	1
-46.766998047542	-24.162154582596	VS	70	1	-46.831049732934	-24.181321951563	VS	70	1
-46.766821591622	-24.159043844822	VS	100	1	-46.830829155523	-24.181451583651	VS	70	1
-46.766854539636	-24.161684612588	VS	70	1	-46.830436619304	-24.181721122623	VS	70	1
-46.766890141848	-24.165885109054	VS	100	1	-46.830184150432	-24.181892643231	VS	70	1
-46.766767639068	-24.159578873162	VS	100	1	-46.829799090267	-24.182154351741	VS	70	1
-46.766776571296	-24.161915462658	VS	70	1	-46.8306855	-24.183114164755	VS	70	1
-46.766713323223	-24.158919341016	VS	70	1	-46.821769663354	-24.172657009882	VS	70	1
-46.766780002506	-24.164640976511	VS	100	1	-46.821630718453	-24.172724955008	VS	70	1
-46.766590079294	-24.159215062167	VS	100	1	-46.821314060944	-24.172670931061	VS	70	1
-46.76591509478	-24.169838547871	VS	100	1	-46.833575856777	-24.179693363213	VS	70	1
-46.811152981195	-24.191833051783	VS	100	1	-46.833349318432	-24.179855943572	VS	70	1
-46.811128322175	-24.190815862111	VS	100	1	-46.832930088591	-24.179966589794	VS	70	1
-46.811087523694	-24.189732276514	VS	100	1	-46.831790140407	-24.179604945105	VS	70	1
-46.811059913735	-24.193689611349	VS	100	1	-46.832370708559	-24.179201539861	VS	70	1
-46.810974126669	-24.192624811596	VS	250	1	-46.832765979334	-24.178927326934	VS	70	1
-46.810444396216	-24.191526231024	VS	100	1	-46.832704038533	-24.177953451109	VS	70	1
-46.810325760075	-24.191321773736	VS	100	1	-46.833492497046	-24.180284612157	VS	70	1
-46.810282461512	-24.190300095344	VS	100	1	-46.83376259963	-24.180086212962	VS	70	1
-46.810295219832	-24.189381894607	VS	100	1	-46.834039823396	-24.179897889767	VS	70	1
-46.810234603207	-24.192176344852	VS	100	1	-46.834763471715	-24.179871766503	VS	70	1
-46.810203394461	-24.191706404673	VS	100	1	-46.835005735899	-24.180146490534	VS	70	1
-46.810157673304	-24.191114385884	VS	100	1	-46.835258149601	-24.1804352416	VS	70	1
-46.810091593249	-24.189665617782	VS	100	1	-46.835503124674	-24.180698291217	VS	70	1
-46.810076627787	-24.190165869241	VS	100	1	-46.861411590161	-24.200016659879	VS	70	1
-46.809991276715	-24.191868629194	VS	100	1	-46.774582039157	-24.173836796322	VS	70	1
-46.809987103774	-24.191127927953	VS	100	1	-46.779375295917	-24.170885064618	VS	70	1
-46.809954521578	-24.191995814448	VS	100	1	-46.904174329637	-24.228589471795	VS	70	1
-46.809934757346	-24.189883352252	VS	100	1	-46.903578206236	-24.227916121521	VS	70	1
-46.766595083544	-24.161711596256	VS	70	1	-46.903204753001	-24.227508711541	VS	70	1
-46.766678347041	-24.165645761629	VS	100	1	-46.903726188085	-24.227147448645	VS	100	1
-46.851690221421	-24.212056790537	VS	70	1	-46.904190477036	-24.227652331435	VS	100	1
-46.851828171612	-24.214783357871	VS	70	1	-46.879096767733	-24.223013004786	VS	70	1
-46.850421919507	-24.159825718102	VS	70	1	-46.820992067674	-24.172621421296	VS	70	1
-46.849817846931	-24.159101528058	VS	70	1	-46.820650364081	-24.172576635131	VS	70	1
-46.810915532863	-24.189510843462	VS	100	1	-46.820319968316	-24.172534980686	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.811010601978	-24.194091482242	VS	100	1	-46.780465019073	-24.173724169865	VS	70	1
-46.810917299525	-24.191174494459	VS	100	1	-46.889625230403	-24.23191531489	VS	70	1
-46.810889602872	-24.190120409231	VS	100	1	-46.88987380725	-24.232038242868	VS	70	1
-46.810913562671	-24.191679491285	VS	100	1	-46.88936865467	-24.231786444707	VS	70	1
-46.810852741371	-24.19249860927	VS	250	2	-46.888806944183	-24.231922592001	VS	70	1
-46.810838352342	-24.190642292069	VS	100	1	-46.889103301194	-24.231675234467	VS	70	1
-46.809808212922	-24.189997777723	VS	100	1	-46.88915485681	-24.231557448871	VS	70	1
-46.809786349197	-24.191609962565	VS	100	1	-46.888887621849	-24.231380348899	VS	70	1
-46.809711563815	-24.192075946658	VS	100	1	-46.890570325053	-24.231596867087	VS	70	1
-46.809658462729	-24.190934122933	VS	100	1	-46.890898301864	-24.231793757035	VS	70	1
-46.809596215456	-24.191870163925	VS	100	1	-46.891189590145	-24.231966004088	VS	70	1
-46.809504507336	-24.189828984354	VS	100	1	-46.891498556497	-24.232150846801	VS	70	1
-46.809451682217	-24.190527634047	VS	100	1	-46.891807581008	-24.232335744647	VS	70	1
-46.809431619162	-24.19228341039	VS	100	1	-46.892126442185	-24.232520547191	VS	70	1
-46.80940599484	-24.192121283529	VS	100	1	-46.892435468622	-24.232705443992	VS	70	1
-46.809299805688	-24.190722603758	VS	100	1	-46.8941254541	-24.234094975906	VS	70	1
-46.809235624966	-24.189670417945	VS	70	1	-46.89446439405	-24.234297466308	VS	70	1
-46.766574884247	-24.161891815691	VS	100	1	-46.894793294582	-24.23449111912	VS	70	1
-46.766661728183	-24.165462859772	VS	100	1	-46.894707460784	-24.232840980935	VS	70	1
-46.766484515911	-24.15878724014	VS	70	1	-46.893202136917	-24.23427571076	VS	70	1
-46.766479512557	-24.159420546724	VS	70	1	-46.893485552222	-24.234424578026	VS	70	1
-46.766392054643	-24.159968869959	VS	100	1	-46.893765031924	-24.234553961933	VS	70	1
-46.766509635622	-24.164830324607	VS	100	1	-46.894053340777	-24.234694403802	VS	70	1
-46.766486575739	-24.165424073318	VS	100	1	-46.894401924931	-24.234861494649	VS	70	1
-46.80922546216	-24.192372480327	VS	100	1	-46.894757232225	-24.234997785559	VS	70	1
-46.809248626795	-24.189230249032	VS	100	1	-46.892770750027	-24.234071124818	VS	70	1
-46.809081671937	-24.189465239794	VS	100	1	-46.892064730257	-24.233719889689	VS	70	1
-46.809012736214	-24.18962670956	VS	100	1	-46.891716634371	-24.233544241591	VS	70	1
-46.908159138167	-24.23662225964	VS	100	1	-46.891407794692	-24.23339847097	VS	70	1
-46.903017047733	-24.237226417716	VS	100	1	-46.891050633882	-24.233219492785	VS	70	1
-46.901683792298	-24.230151977822	VS	100	1	-46.890672635704	-24.233026236264	VS	70	1
-46.766285069683	-24.158108473408	VS	100	1	-46.893408012597	-24.231912278111	VS	100	1
-46.766391399085	-24.165652190456	VS	100	1	-46.75597569136	-24.154391527556	VS	70	1
-46.766241199603	-24.159297476261	VS	70	1	-46.755690772076	-24.154250807841	VS	70	1
-46.849351215652	-24.160601503934	VS	70	1	-46.914584344572	-24.227922500065	VS	100	1
-46.899853040232	-24.234108632175	VS	100	1	-46.915694058383	-24.227119117257	VS	70	1
-46.897222267663	-24.238469548356	VS	250	1	-46.915983410418	-24.226911609232	VS	70	1
-46.895663477606	-24.226185345473	VS	100	1	-46.9162537091	-24.226712938971	VS	70	1
-46.876789248678	-24.228755913699	VS	100	1	-46.916523816281	-24.226514389224	VS	70	1
-46.876010103326	-24.225502264203	VS	100	1	-46.916813251191	-24.226297738585	VS	70	1
-46.875920501013	-24.227867686827	VS	100	1	-46.917083090624	-24.226108440626	VS	70	1
-46.875086704153	-24.212213736623	VS	100	1	-46.917353421595	-24.225918812665	VS	70	1
-46.873480492693	-24.224276373824	VS	100	1	-46.913053440039	-24.229044441534	VS	70	1
-46.867786393403	-24.226935580489	VS	100	1	-46.911356766084	-24.228082902948	VS	70	1
-46.867440306337	-24.224472867892	VS	100	1	-46.911908813618	-24.22768193917	VS	70	1
-46.866811819244	-24.222767433095	VS	70	1	-46.912221567195	-24.227448189836	VS	70	1
-46.76618651959	-24.158637744776	VS	100	1	-46.912649529976	-24.227135296717	VS	70	1
-46.76629483334	-24.165202421699	VS	100	1	-46.912919868711	-24.226945677845	VS	70	1
-46.766214250136	-24.16063903359	VS	100	1	-46.913180155631	-24.22674721326	VS	70	1
-46.766123501504	-24.159819164906	VS	100	1	-46.913450266815	-24.226548669635	VS	70	1
-46.766109299612	-24.159555640623	VS	100	1	-46.913739528929	-24.226339721063	VS	70	1
-46.766239061529	-24.165010749936	VS	100	1	-46.915156967973	-24.236977008945	VS	70	1
-46.766260648564	-24.167678886739	VS	100	1	-46.914398964118	-24.236117608148	VS	70	1
-46.765972854445	-24.159156693324	VS	100	1	-46.914197032004	-24.235896183709	VS	70	1
-46.849258262395	-24.159498483726	VS	100	1	-46.915149477147	-24.236187440544	VS	100	1
-46.81079121595	-24.193522405453	VS	100	1	-46.915487294129	-24.235952763953	VS	70	1
-46.810745934338	-24.192491593197	VS	100	1	-46.915718808746	-24.235781312717	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.810670321595	-24.189311566068	VS	100	1	-46.916094451544	-24.235517102613	VS	70	1
-46.810689652606	-24.190380684813	VS	100	1	-46.916389621763	-24.235302953636	VS	70	1
-46.8107053344	-24.193471525919	VS	250	2	-46.916290629991	-24.235958945934	VS	70	1
-46.810747240824	-24.192577217421	VS	250	2	-46.91608891096	-24.235746437938	VS	70	1
-46.844115574512	-24.157522426672	VS	100	1	-46.916703811935	-24.23508068607	VS	70	1
-46.841810423662	-24.171638151367	VS	100	1	-46.920200155478	-24.225351127291	VS	70	1
-46.839872970557	-24.157922071404	VS	100	1	-46.91995607028	-24.225525406601	VS	70	1
-46.778710352338	-24.17438647382	VS	250	1	-46.919657700612	-24.225748334269	VS	70	1
-46.898192093665	-24.234664951959	VS	100	1	-46.919384478367	-24.225935003784	VS	70	1
-46.826972227344	-24.15641396786	VS	70	1	-46.918844379419	-24.22634110694	VS	70	1
-46.77763286294	-24.174827912675	VS	100	1	-46.918323157632	-24.226720348936	VS	70	1
-46.770820843268	-24.155493070739	VS	70	1	-46.918130631818	-24.226855424991	VS	70	1
-46.765927758795	-24.158487951297	VS	100	1	-46.917879377505	-24.227045269032	VS	70	1
-46.810619414504	-24.193095954548	VS	250	2	-46.917397238842	-24.227388038278	VS	70	1
-46.810598432914	-24.1904996088	VS	100	1	-46.917146062774	-24.227577828867	VS	70	1
-46.810434803239	-24.192786745597	VS	250	1	-46.916931153923	-24.227742201296	VS	70	1
-46.810532458061	-24.192357120796	VS	100	1	-46.755793557164	-24.155034533799	VS	70	1
-46.810508981847	-24.190632060231	VS	100	1	-46.755643171032	-24.154936762057	VS	70	1
-46.770522717442	-24.155334718209	VS	70	1	-46.75534097769	-24.154775861318	VS	70	1
-46.770224722187	-24.155185240186	VS	70	1	-46.755045844912	-24.154615995276	VS	70	1
-46.784127580565	-24.169764389618	VS	70	1	-46.755226501129	-24.1552567145	VS	70	1
-46.783884752806	-24.169936582623	VS	70	1	-46.781858025851	-24.151721985136	VS	70	1
-46.783633607619	-24.170107976826	VS	70	1	-46.781563036326	-24.151931357019	VS	70	1
-46.909451404982	-24.234182070996	VS	70	1	-46.776221037067	-24.157319313246	VS	70	1
-46.909740738357	-24.233965533592	VS	70	1	-46.775827782372	-24.156884841104	VS	70	1
-46.910059322102	-24.233739828378	VS	70	1	-46.775636468497	-24.156643396266	VS	70	1
-46.724991644961	-24.149299198614	VS	100	1	-46.775424184487	-24.15642380063	VS	70	1
-46.81283096461	-24.187530774985	VS	100	1	-46.775242489679	-24.156211039665	VS	70	1
-46.812652833423	-24.187779600148	VS	100	1	-46.775050741487	-24.15598939872	VS	70	1
-46.847560115155	-24.160716496073	VS	70	1	-46.774829157555	-24.155740784498	VS	70	1
-46.812995851372	-24.187302231638	VS	100	1	-46.764425982443	-24.160177916753	VS	70	1
-46.813304096162	-24.186864459111	VS	100	1	-46.764088487767	-24.160006645879	VS	70	1
-46.813142353776	-24.187079835985	VS	100	1	-46.763719459963	-24.159815230892	VS	70	1
-46.811603204006	-24.18915994938	VS	100	1	-46.779237755433	-24.156438659842	VS	70	1
-46.81123136278	-24.189645265546	VS	100	1	-46.779536870612	-24.15622231307	VS	70	1
-46.811064981999	-24.189877813286	VS	100	1	-46.779855424357	-24.155996884416	VS	70	1
-46.717430975039	-24.147244880347	VS	100	1	-46.780200605548	-24.155751131959	VS	70	1
-46.824105412292	-24.189770999872	VS	100	1	-46.779917033884	-24.155292498687	VS	70	1
-46.821542850369	-24.187109798482	VS	100	1	-46.779605964977	-24.155510300425	VS	70	1
-46.808973063678	-24.191669426762	VS	100	1	-46.77930336698	-24.155728336138	VS	70	1
-46.808857531421	-24.192323450663	VS	100	1	-46.779013589342	-24.155929993264	VS	70	1
-46.808793211853	-24.191931650217	VS	100	1	-46.782711322034	-24.153284741581	VS	70	1
-46.808588349536	-24.192155903553	VS	100	1	-46.783021483059	-24.153061957473	VS	70	1
-46.818976797731	-24.188914733486	VS	100	1	-46.783304564887	-24.152859159217	VS	70	1
-46.809735071833	-24.190146608949	VS	100	1	-46.783575745786	-24.152668652956	VS	70	1
-46.808742594376	-24.194940219705	VS	250	1	-46.784080190731	-24.152313573449	VS	70	1
-46.795081184701	-24.184780859033	VS	100	1	-46.784356501624	-24.152118780773	VS	70	1
-46.794575629939	-24.181746384133	VS	100	1	-46.784631724354	-24.151921496083	VS	70	1
-46.793793971	-24.180838565222	VS	100	1	-46.784906966196	-24.151724202311	VS	70	1
-46.8085491423	-24.194811939932	VS	250	2	-46.785182290537	-24.151527063492	VS	70	1
-46.793292586818	-24.179073820426	VS	100	1	-46.785498684983	-24.151301506667	VS	70	1
-46.789500536174	-24.175750893303	VS	100	1	-46.785822986339	-24.151069117463	VS	70	1
-46.787498801753	-24.175710819719	VS	100	1	-46.786151469623	-24.15083351629	VS	70	1
-46.781059807426	-24.171269114381	VS	100	1	-46.786414765054	-24.150646509368	VS	70	1
-46.780747260413	-24.174490069956	VS	250	1	-46.786686082745	-24.15044916631	VS	70	1
-46.775056904973	-24.167735730276	VS	100	1	-46.786961353565	-24.150248406829	VS	70	1
-46.773756355818	-24.167025570962	VS	100	1	-46.787236498358	-24.150051159417	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.770699021428	-24.159682160062	VS	100	1	-46.787515355099	-24.149857539218	VS	70	1
-46.766493786859	-24.160422848057	VS	70	1	-46.7877830426	-24.149663825965	VS	70	1
-46.810491943611	-24.193337100729	VS	100	1	-46.788043129169	-24.149477150686	VS	70	1
-46.810338081621	-24.190865068465	VS	100	1	-46.788310757624	-24.149279801326	VS	70	1
-46.810235834062	-24.194075142322	VS	250	2	-46.786299070933	-24.151328101852	VS	70	1
-46.810112588574	-24.194254401819	VS	250	2	-46.786155703548	-24.151426600306	VS	70	1
-46.809958956492	-24.191372611438	VS	100	1	-46.786046614187	-24.151504255719	VS	70	1
-46.764277908389	-24.162924238509	VS	70	1	-46.785733431709	-24.151722374436	VS	70	1
-46.764065897717	-24.16267594801	VS	70	1	-46.785481049333	-24.151905786927	VS	70	1
-46.764289800639	-24.162800749197	VS	100	1	-46.785216891916	-24.152092290089	VS	70	1
-46.764854676834	-24.16239753296	VS	100	1	-46.784956735693	-24.152279002592	VS	70	1
-46.765129599884	-24.162205789838	VS	70	1	-46.784655122911	-24.152490280285	VS	70	1
-46.765361110356	-24.162034566506	VS	70	1	-46.785351663235	-24.152208779053	VS	70	1
-46.765667861496	-24.161819238956	VS	70	1	-46.785076430896	-24.152406064837	VS	70	1
-46.826732472207	-24.15664781272	VS	70	1	-46.784823854675	-24.152585738086	VS	70	1
-46.826576943844	-24.156593115413	VS	70	1	-46.786057706106	-24.152298878437	VS	70	1
-46.826285912763	-24.156350903363	VS	70	1	-46.785740912546	-24.15252426293	VS	70	1
-46.821835539335	-24.195192275007	VS	70	1	-46.839506233056	-24.212588439425	VS	70	1
-46.821667203962	-24.195105272432	VS	70	1	-46.839906795748	-24.17045738595	VS	100	1
-46.821357569099	-24.194952493767	VS	70	1	-46.839706393608	-24.170289411691	VS	100	1
-46.821052393971	-24.194798015816	VS	70	1	-46.838258267532	-24.172745272201	VS	100	1
-46.831202643235	-24.155088323703	VS	70	1	-46.838504247844	-24.172193751904	VS	100	1
-46.808487465305	-24.191477480569	VS	100	1	-46.838736962097	-24.171938400816	VS	100	1
-46.730761593761	-24.144255790776	VS	100	1	-46.838966971227	-24.171713666341	VS	100	1
-46.730131407049	-24.150469978516	VS	100	1	-46.839141675949	-24.171539001447	VS	100	1
-46.729857494083	-24.143544153682	VS	100	1	-46.838817103593	-24.172547667321	VS	70	1
-46.727759749184	-24.146400467585	VS	100	1	-46.841005892027	-24.171645433167	VS	70	1
-46.725921124141	-24.14637530319	VS	100	1	-46.841413515509	-24.168936855164	VS	100	1
-46.725716985257	-24.142665127298	VS	100	1	-46.841682626769	-24.169157059097	VS	100	1
-46.724787546218	-24.148164251968	VS	100	1	-46.841932977514	-24.169360331836	VS	100	1
-46.783160429623	-24.17043263707	VS	100	1	-46.841910036748	-24.168790693916	VS	100	1
-46.821761016636	-24.187798319715	VS	100	1	-46.842130325552	-24.168565940367	VS	100	1
-46.821651754322	-24.187906676389	VS	100	1	-46.843037056823	-24.168782121073	VS	70	1
-46.84427488866	-24.168022584314	VS	70	1	-46.769807068837	-24.156196564474	VS	70	1
-46.723755275432	-24.148909142122	VS	100	1	-46.769469160079	-24.156020597289	VS	70	1
-46.722230104851	-24.149999450717	VS	100	1	-46.769121266086	-24.155835796249	VS	70	1
-46.841633611088	-24.163528584672	VS	70	1	-46.771256217743	-24.157019237638	VS	100	1
-46.902618145384	-24.234617463095	VS	100	1	-46.775143895521	-24.156519769449	VS	70	1
-46.901230130261	-24.238556448471	VS	100	1	-46.774892982393	-24.15669127452	VS	70	1
-46.837321593144	-24.168291409378	VS	70	1	-46.774780202352	-24.156038791945	VS	70	1
-46.775082288952	-24.155825169714	VS	70	1	-46.77448029862	-24.156257108073	VS	70	1
-46.773658919121	-24.15529514747	VS	70	1	-46.774171337912	-24.156473531352	VS	70	1
-46.773353632652	-24.155513420184	VS	70	1	-46.847562080017	-24.210088236378	VS	70	1
-46.773047755126	-24.155752871581	VS	70	1	-46.917022416636	-24.234863324222	VS	70	1
-46.837111697029	-24.168166937223	VS	70	1	-46.917193467246	-24.234502202048	VS	70	1
-46.837582388664	-24.16852137324	VS	70	1	-46.916742580981	-24.235262927702	VS	70	1
-46.81956905909	-24.193335827739	VS	70	1	-46.916476894486	-24.234963763953	VS	70	1
-46.819888752736	-24.19348258361	VS	70	1	-46.916267925791	-24.234740295547	VS	70	1
-46.897951877323	-24.235489425847	VS	100	1	-46.916075807999	-24.234518785585	VS	70	1
-46.869929031716	-24.216994864382	VS	100	1	-46.915848747432	-24.234269800151	VS	70	1
-46.768817967039	-24.167085894621	VS	70	1	-46.914225079399	-24.236984594536	VS	70	1
-46.768576621196	-24.167257191954	VS	70	1	-46.913996493454	-24.23673166103	VS	70	1
-46.854976832981	-24.208892268754	VS	70	1	-46.913288598289	-24.238208924718	VS	70	1
-46.844626509672	-24.167609717325	VS	70	1	-46.913075965395	-24.237951892501	VS	70	1
-46.772797783143	-24.155927698888	VS	70	1	-46.912759208689	-24.237585761573	VS	70	1
-46.775337829794	-24.15564465958	VS	70	1	-46.912504285418	-24.237302290378	VS	70	1
-46.775568820338	-24.155478316858	VS	70	1	-46.911571568448	-24.236341680749	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.775801483046	-24.155305339469	VS	70	1	-46.911786409735	-24.236586375995	VS	70	1
-46.730748982721	-24.148248203489	VS	70	1	-46.912003931467	-24.23682876273	VS	70	1
-46.730960872888	-24.148496509684	VS	70	1	-46.911351272349	-24.236092321153	VS	70	1
-46.853960690027	-24.21121497961	VS	70	1	-46.91265843984	-24.235205406052	VS	70	1
-46.854249680662	-24.210998795851	VS	70	1	-46.912455028597	-24.23496089332	VS	70	1
-46.854549147223	-24.210782085555	VS	70	1	-46.887472242789	-24.240740719421	VS	100	1
-46.809874719617	-24.193386505161	VS	250	1	-46.882247496127	-24.239223164291	VS	100	1
-46.809808138876	-24.194486678904	VS	250	2	-46.882537101773	-24.239417157659	VS	100	1
-46.809671270598	-24.19282828873	VS	100	1	-46.882851670303	-24.239633863241	VS	100	1
-46.809585701001	-24.193210199616	VS	250	1	-46.916646175488	-24.227953128709	VS	70	1
-46.809699028039	-24.194568008611	VS	250	1	-46.915290431004	-24.2289182573	VS	70	1
-46.842805674066	-24.156934816795	VS	100	1	-46.914940145624	-24.229173591251	VS	70	1
-46.827209105764	-24.188723810957	VS	70	1	-46.914358046521	-24.229617435441	VS	70	1
-46.827788126541	-24.188250242186	VS	70	1	-46.920674495311	-24.227542078655	VS	70	1
-46.828041199518	-24.188046213951	VS	70	1	-46.920385419991	-24.227767565103	VS	70	1
-46.826521693553	-24.188460875833	VS	250	1	-46.920114319579	-24.227948630007	VS	70	1
-46.826154319108	-24.188241275233	VS	250	1	-46.919873717634	-24.228110640166	VS	70	1
-46.825859865911	-24.188073803462	VS	250	1	-46.924842769362	-24.224518019475	VS	70	1
-46.81885440962	-24.19245470209	VS	100	1	-46.924548810321	-24.224731211866	VS	70	1
-46.818841087904	-24.192088259539	VS	70	1	-46.924260534134	-24.224940372168	VS	70	1
-46.807574761044	-24.191943078843	VS	250	1	-46.785473089132	-24.152710764185	VS	70	1
-46.807990755249	-24.19220514738	VS	250	1	-46.785224456941	-24.152887022056	VS	70	1
-46.854809775062	-24.21060167922	VS	100	1	-46.784928342768	-24.153101066889	VS	70	1
-46.855128424553	-24.210385111795	VS	70	1	-46.784840063424	-24.153007673127	VS	70	1
-46.854815495894	-24.210799183061	VS	70	1	-46.784654934653	-24.15279286178	VS	70	1
-46.856985099758	-24.210193918552	VS	100	1	-46.784426302656	-24.152533092921	VS	70	1
-46.856836752332	-24.208969009946	VS	70	1	-46.784280428351	-24.15236341854	VS	70	1
-46.858411526399	-24.208213306231	VS	100	1	-46.781214192425	-24.156284640299	VS	70	1
-46.85784740343	-24.207889341718	VS	70	1	-46.781810945052	-24.15589664155	VS	70	1
-46.858101815578	-24.208246427436	VS	70	1	-46.782121791823	-24.155669695884	VS	70	1
-46.857840261234	-24.208427500499	VS	70	1	-46.782630356507	-24.155751540491	VS	70	1
-46.858103139325	-24.208080446611	VS	70	1	-46.782652020388	-24.155599828492	VS	70	1
-46.857627949964	-24.208580863912	VS	70	1	-46.782866040388	-24.155449114802	VS	70	1
-46.857386895869	-24.208761178073	VS	70	1	-46.783094225114	-24.155276397811	VS	70	1
-46.809435532426	-24.192684816896	VS	100	1	-46.783341810175	-24.155051836018	VS	70	1
-46.809306343125	-24.193024945434	VS	250	1	-46.783600590522	-24.15484536267	VS	70	1
-46.83199850673	-24.154305793171	VS	70	1	-46.783839827963	-24.154631676191	VS	70	1
-46.779434686698	-24.173101301146	VS	100	1	-46.78374909484	-24.155188212994	VS	70	1
-46.779442767301	-24.173268883647	VS	100	1	-46.783325171876	-24.154828713642	VS	70	1
-46.779252492264	-24.173233144142	VS	100	1	-46.783081435477	-24.154614432687	VS	70	1
-46.779261432061	-24.173065276245	VS	100	1	-46.782884898714	-24.154435528674	VS	70	1
-46.816580299759	-24.194694987435	VS	100	1	-46.865400243793	-24.221429809599	VS	100	1
-46.811388201599	-24.187925437886	VS	100	1	-46.773232903039	-24.157683223206	VS	70	1
-46.801531417777	-24.19458117742	VS	100	1	-46.773051192117	-24.157470432334	VS	70	1
-46.792317910174	-24.181912180291	VS	100	1	-46.780276691285	-24.161660156602	VS	70	1
-46.789832851577	-24.182522487114	VS	100	1	-46.784576115188	-24.158021321803	VS	70	1
-46.78874082054	-24.176743376203	VS	100	1	-46.784175886828	-24.158218723928	VS	70	1
-46.787801834217	-24.174878521424	VS	100	1	-46.783909714634	-24.158410125983	VS	70	1
-46.857058131177	-24.208987077901	VS	70	1	-46.783643663455	-24.158602306183	VS	70	1
-46.856491534244	-24.209381728101	VS	70	1	-46.724569470052	-24.135972101824	VS	70	1
-46.856257645667	-24.209564101725	VS	70	1	-46.724343165763	-24.136135276413	VS	70	1
-46.855985582556	-24.209766857283	VS	70	1	-46.724001848496	-24.136374675321	VS	70	1
-46.856819753736	-24.209165741796	VS	70	1	-46.843458290003	-24.201668714296	VS	70	1
-46.86952985333	-24.22910804601	VS	100	1	-46.84314293575	-24.201501438712	VS	70	1
-46.869355922934	-24.229225427432	VS	100	1	-46.842809452465	-24.201353944451	VS	70	1
-46.727504924485	-24.147678138439	VS	70	1	-46.842481302829	-24.201186931051	VS	70	1
-46.727684954119	-24.14752735761	VS	70	1	-46.876053780474	-24.219105789372	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.727989353561	-24.147992871013	VS	100	1	-46.875738959577	-24.219310216808	VS	70	1
-46.809316872706	-24.194835578324	VS	250	2	-46.875428324517	-24.219522916894	VS	70	1
-46.80922501699	-24.194308186236	VS	100	1	-46.875108525292	-24.219743545458	VS	70	1
-46.809007362874	-24.192839835505	VS	250	1	-46.820275486026	-24.195594857519	VS	70	1
-46.809156567806	-24.193794502992	VS	100	1	-46.81988491694	-24.195595928249	VS	70	1
-46.807838541619	-24.150302764248	VS	100	1	-46.874564072833	-24.206822414694	VS	70	1
-46.808843595522	-24.193633232917	VS	100	1	-46.875307863749	-24.206316760381	VS	70	1
-46.870607820233	-24.215540846707	VS	100	1	-46.8755491761	-24.206145284518	VS	70	1
-46.874788988763	-24.215778782144	VS	70	1	-46.875819336471	-24.205946783823	VS	70	1
-46.876821238596	-24.22493360415	VS	70	1	-46.876108951814	-24.205748242036	VS	70	1
-46.877100992921	-24.224726132874	VS	70	1	-46.87636007535	-24.205576688043	VS	70	1
-46.771336796511	-24.165981493295	VS	100	1	-46.877595009374	-24.204715879586	VS	70	1
-46.770690785644	-24.156231744391	VS	100	1	-46.877339496722	-24.204902022834	VS	70	1
-46.767798522882	-24.16100433245	VS	70	1	-46.877094437613	-24.205065754581	VS	70	1
-46.767778626383	-24.163043400572	VS	100	1	-46.876849502441	-24.20524209419	VS	70	1
-46.808469208737	-24.192504891176	VS	250	1	-46.879185768836	-24.20361565663	VS	70	1
-46.808802514108	-24.193942627408	VS	100	1	-46.879440585862	-24.203451869665	VS	70	1
-46.808573162039	-24.19344259732	VS	100	1	-46.879753177967	-24.203220518113	VS	70	1
-46.808428394024	-24.194179744106	VS	100	1	-46.880040038756	-24.203025634649	VS	70	1
-46.808292209966	-24.193253537814	VS	100	1	-46.880357130048	-24.202805610937	VS	70	1
-46.808270929418	-24.194454808774	VS	100	1	-46.871505523852	-24.21607562447	VS	100	1
-46.765468086022	-24.164271813892	VS	100	1	-46.87346804247	-24.217281224326	VS	70	1
-46.859262430172	-24.210821935466	VS	100	1	-46.873291511972	-24.217165432005	VS	70	1
-46.859552077795	-24.210890105301	VS	70	1	-46.867830456999	-24.215903567043	VS	70	1
-46.859734233599	-24.21111174464	VS	70	1	-46.867503988129	-24.216130678963	VS	70	1
-46.770816764179	-24.154895463684	VS	70	1	-46.867251445579	-24.213668544765	VS	70	1
-46.770548421101	-24.154754689352	VS	70	1	-46.86700702903	-24.21385163243	VS	70	1
-46.7683450941	-24.167428410112	VS	70	1	-46.866746276526	-24.214032165729	VS	70	1
-46.731063272716	-24.145928150726	VS	100	1	-46.866482885392	-24.214217360346	VS	70	1
-46.763621768474	-24.164028047536	VS	70	1	-46.868376242001	-24.21300566406	VS	70	1
-46.910141474954	-24.232686097814	VS	70	1	-46.868109354433	-24.212713422901	VS	70	1
-46.765924697309	-24.16084636618	VS	100	1	-46.867871317924	-24.212427690804	VS	70	1
-46.765882863936	-24.160335046159	VS	100	1	-46.923978410674	-24.22515481833	VS	70	1
-46.765847134855	-24.159755819045	VS	100	1	-46.923694487883	-24.22534857622	VS	70	1
-46.765942592175	-24.167511692253	VS	100	1	-46.923424175727	-24.225538217173	VS	70	1
-46.765654817906	-24.158989501082	VS	70	1	-46.923154296522	-24.22574570433	VS	70	1
-46.765586390403	-24.159936175042	VS	100	1	-46.92288419962	-24.22594426749	VS	70	1
-46.76558465876	-24.160176627066	VS	100	1	-46.919254247975	-24.2245286655	VS	70	1
-46.765517308888	-24.159493634788	VS	70	1	-46.919582163854	-24.224285008546	VS	70	1
-46.765346845465	-24.158831188978	VS	70	1	-46.919910304992	-24.224050274348	VS	70	1
-46.765345232524	-24.160116407985	VS	100	1	-46.920228619771	-24.223815627232	VS	70	1
-46.808216460906	-24.193845978109	VS	100	1	-46.921122383864	-24.223174166656	VS	70	1
-46.808058204204	-24.194493395895	VS	250	2	-46.923986675887	-24.221072758552	VS	70	1
-46.808009628615	-24.193053027855	VS	100	1	-46.924589070373	-24.22064753711	VS	70	1
-46.808083344829	-24.194865327782	VS	100	1	-46.924859416193	-24.220466919435	VS	70	1
-46.807979903174	-24.193637197193	VS	100	1	-46.925130105552	-24.220277041146	VS	70	1
-46.807788519352	-24.193309884408	VS	100	1	-46.925400403264	-24.220087395241	VS	70	1
-46.807781794876	-24.194258028523	VS	250	2	-46.925661166459	-24.219897646529	VS	70	1
-46.856791659944	-24.207273163275	VS	70	1	-46.928707772211	-24.217681311045	VS	70	1
-46.857369259704	-24.21064596568	VS	70	1	-46.903790363257	-24.228155324795	VS	70	1
-46.857524112757	-24.210872110915	VS	70	1	-46.90342694023	-24.227756733296	VS	70	1
-46.779644779575	-24.173508288489	VS	100	1	-46.904135901049	-24.229444059529	VS	70	1
-46.818810162239	-24.19369235588	VS	100	1	-46.904394309512	-24.229736165006	VS	70	1
-46.834037424553	-24.187464356349	VS	70	1	-46.904637135718	-24.230004911977	VS	70	1
-46.795540312111	-24.181993907029	VS	100	1	-46.905316225204	-24.229884831454	VS	70	1
-46.795465536546	-24.18146354119	VS	100	1	-46.905524390132	-24.230091086826	VS	70	1
-46.795263887914	-24.181958681842	VS	100	1	-46.905699460174	-24.230285955048	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.795273037998	-24.184592049553	VS	100	1	-46.903413297715	-24.229586441261	VS	70	1
-46.846346277773	-24.156570627009	VS	70	1	-46.903186047106	-24.229324216773	VS	70	1
-46.794842122582	-24.181822457231	VS	100	1	-46.902948341084	-24.229054767399	VS	100	1
-46.794899369885	-24.184978510621	VS	100	1	-46.902705837237	-24.228780121075	VS	100	1
-46.794717117786	-24.185158334596	VS	100	1	-46.902463334691	-24.228505465486	VS	100	1
-46.794698538609	-24.190232947858	VS	250	1	-46.902250935711	-24.228257318572	VS	100	1
-46.794560356108	-24.184410495528	VS	100	1	-46.90203878178	-24.228018113508	VS	100	1
-46.794471035384	-24.185415535081	VS	100	1	-46.90181657784	-24.227770080485	VS	100	1
-46.794387453475	-24.18458665564	VS	100	1	-46.902982332111	-24.227251747783	VS	70	1
-46.794290668759	-24.181677562854	VS	100	1	-46.798690539333	-24.158028917314	VS	70	1
-46.794192263744	-24.179557543212	VS	100	1	-46.798347713832	-24.158269163282	VS	70	1
-46.794189802123	-24.184779901673	VS	100	1	-46.798033868213	-24.158485306088	VS	70	1
-46.856216842065	-24.222048284405	VS	70	1	-46.79838019557	-24.157974501561	VS	70	1
-46.765335760263	-24.161261107601	VS	100	1	-46.798664687323	-24.158295199821	VS	70	1
-46.765256547163	-24.160000561772	VS	100	1	-46.79881515462	-24.158472752453	VS	70	1
-46.765103691216	-24.160278778922	VS	100	1	-46.721967433098	-24.147574612694	VS	100	1
-46.765038629063	-24.158663926073	VS	70	1	-46.721726077923	-24.147745832291	VS	100	1
-46.765059593403	-24.162982547002	VS	70	1	-46.721670787391	-24.147582852235	VS	100	1
-46.764968368532	-24.15985099427	VS	100	1	-46.721446306905	-24.147953007217	VS	100	1
-46.76493321198	-24.163857746082	VS	100	1	-46.721166321742	-24.148151259414	VS	100	1
-46.764888517494	-24.161038273319	VS	100	1	-46.720799825872	-24.148038317426	VS	100	1
-46.764814711385	-24.160487784086	VS	100	1	-46.720998511161	-24.148171130606	VS	100	1
-46.764893029944	-24.163615722842	VS	70	1	-46.720924761055	-24.148313555624	VS	100	1
-46.845616939186	-24.168466225836	VS	70	1	-46.720683403502	-24.148484764156	VS	100	1
-46.794071195459	-24.17899185448	VS	100	1	-46.720451648956	-24.14864699235	VS	100	1
-46.794054329095	-24.179540848017	VS	100	1	-46.720229710999	-24.148809153329	VS	100	1
-46.793972934341	-24.179193698908	VS	100	1	-46.7200240566	-24.148926424703	VS	100	1
-46.793920103649	-24.178832345849	VS	100	1	-46.719937527271	-24.148725405685	VS	100	1
-46.793957651322	-24.181626941227	VS	100	1	-46.721274954539	-24.148328539488	VS	100	1
-46.793930486598	-24.179693282038	VS	100	1	-46.721414197572	-24.148407853937	VS	100	1
-46.793868938191	-24.179363973667	VS	100	1	-46.721552838387	-24.148495508511	VS	100	1
-46.843686540008	-24.170015893398	VS	70	1	-46.721775395108	-24.148593984991	VS	100	1
-46.843936905753	-24.170219163744	VS	70	1	-46.721914574886	-24.148673153025	VS	100	1
-46.844187262491	-24.170422433514	VS	70	1	-46.721514327228	-24.148655394429	VS	100	1
-46.840841321095	-24.15742700323	VS	70	1	-46.721250976156	-24.148837669957	VS	100	1
-46.831674191228	-24.154333443112	VS	70	1	-46.721000013621	-24.149017876834	VS	100	1
-46.831403403005	-24.154094625372	VS	70	1	-46.720777862273	-24.149171116538	VS	100	1
-46.764871381593	-24.165345744979	VS	100	1	-46.720879817412	-24.149330927093	VS	100	1
-46.764777450848	-24.16036524469	VS	70	1	-46.720573070496	-24.149284905945	VS	100	1
-46.764770229374	-24.163198807247	VS	70	1	-46.721763233985	-24.148494953367	VS	100	1
-46.764670371899	-24.159701504856	VS	100	1	-46.722310842672	-24.14806961977	VS	100	1
-46.764836119605	-24.167728468611	VS	100	1	-46.72223081494	-24.147941041653	VS	100	1
-46.764691136275	-24.163385033301	VS	100	1	-46.718773196952	-24.137673185183	VS	70	1
-46.764809200122	-24.167659021005	VS	100	1	-46.718506647968	-24.13752470717	VS	70	1
-46.764592338961	-24.160657304588	VS	100	1	-46.7182288354	-24.137364634213	VS	70	1
-46.764587051009	-24.160882204748	VS	100	1	-46.717926580707	-24.137221084118	VS	100	1
-46.831710683658	-24.154584729047	VS	70	1	-46.716160841171	-24.139298961426	VS	100	1
-46.831451955142	-24.154845508578	VS	70	1	-46.716061314439	-24.13929513572	VS	70	1
-46.793851501749	-24.179827337187	VS	100	1	-46.715814011672	-24.139187843652	VS	70	1
-46.79370887918	-24.178619785218	VS	100	1	-46.715556110562	-24.139065801843	VS	70	1
-46.793767760034	-24.185206937046	VS	100	1	-46.855359516034	-24.203583723937	VS	70	1
-46.793685034287	-24.181611400835	VS	100	1	-46.855608211622	-24.20340880478	VS	70	1
-46.79362326861	-24.17984238815	VS	100	1	-46.85573737068	-24.203314677845	VS	70	1
-46.793591068632	-24.179232300113	VS	100	1	-46.854775329266	-24.203988583809	VS	70	1
-46.793497484492	-24.178389683917	VS	100	1	-46.854506002376	-24.204170647922	VS	70	1
-46.793442419487	-24.180806534991	VS	100	1	-46.775657349895	-24.164896323849	VS	70	1
-46.793404675338	-24.181640075861	VS	100	1	-46.776022305002	-24.164631524065	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.793315425918	-24.178211359533	VS	100	1	-46.776354481187	-24.164400912079	VS	70	1
-46.730537229023	-24.147024946669	VS	100	1	-46.776653424085	-24.164175643395	VS	70	1
-46.764490678304	-24.163162064784	VS	100	1	-46.776924696587	-24.164021903404	VS	70	1
-46.764490487197	-24.163406057416	VS	100	1	-46.777282103954	-24.163787408788	VS	70	1
-46.764392013178	-24.159551866905	VS	100	1	-46.777571649353	-24.163580052979	VS	70	1
-46.764351062201	-24.160828561813	VS	100	1	-46.777899868266	-24.163345612778	VS	70	1
-46.764402134883	-24.16423646908	VS	100	1	-46.778208882575	-24.16312915754	VS	70	1
-46.764356404213	-24.161363398041	VS	100	1	-46.778507946463	-24.162912858461	VS	70	1
-46.764454308569	-24.166244691377	VS	100	1	-46.778787896207	-24.162714492991	VS	70	1
-46.828605932085	-24.15229536659	VS	100	1	-46.779096907608	-24.162498035516	VS	70	1
-46.764447173354	-24.166029146537	VS	100	1	-46.779364062903	-24.162306797177	VS	70	1
-46.764259796994	-24.160717953493	VS	100	1	-46.779947087793	-24.161907664402	VS	70	1
-46.845397039707	-24.168240167155	VS	70	1	-46.871996198721	-24.214353301764	VS	100	1
-46.846360072988	-24.212681258278	VS	70	1	-46.872123934774	-24.214582639191	VS	70	1
-46.845139332175	-24.168033913024	VS	70	1	-46.872336007881	-24.214821866916	VS	70	1
-46.846054110884	-24.212907357087	VS	70	1	-46.87253870416	-24.215079025942	VS	70	1
-46.844878045494	-24.167812287414	VS	70	1	-46.872750788347	-24.215318262566	VS	70	1
-46.844830392535	-24.1702672182	VS	70	1	-46.872963300172	-24.21557534501	VS	70	1
-46.844613195114	-24.167813670214	VS	70	1	-46.876392242523	-24.215311492734	VS	70	1
-46.807673020337	-24.192913995847	VS	100	1	-46.874459732365	-24.215567249803	VS	70	1
-46.807480996612	-24.194066905901	VS	250	2	-46.877352469046	-24.214156451918	VS	70	1
-46.807422489281	-24.193813181771	VS	100	1	-46.878909336039	-24.213510241943	VS	70	1
-46.807460003017	-24.192788115174	VS	100	1	-46.876331901809	-24.216969057817	VS	70	1
-46.807206734924	-24.193887865133	VS	250	2	-46.877496816479	-24.235774734836	VS	100	1
-46.807222676791	-24.194088042836	VS	100	1	-46.861809868269	-24.212247271612	VS	70	1
-46.813013216172	-24.193767254754	VS	100	1	-46.856905695564	-24.207962129168	VS	70	1
-46.793285454022	-24.179666574776	VS	100	1	-46.856295656975	-24.209365129533	VS	70	1
-46.793333178454	-24.1851437777	VS	250	1	-46.855423372541	-24.207540864399	VS	70	1
-46.793141887879	-24.178058487686	VS	100	1	-46.855729076866	-24.207316981381	VS	70	1
-46.793191078275	-24.1814589678	VS	100	1	-46.854989382913	-24.206651744946	VS	70	1
-46.793215896642	-24.185544443504	VS	250	2	-46.854696510921	-24.206852173351	VS	70	1
-46.793109810793	-24.180648400605	VS	100	1	-46.855205550994	-24.207007106855	VS	70	1
-46.79304461522	-24.178959777783	VS	100	1	-46.853775776327	-24.203931080111	VS	70	1
-46.79308869827	-24.181766047065	VS	100	1	-46.854007079375	-24.204202905156	VS	70	1
-46.792987373053	-24.179517121302	VS	100	1	-46.855031586399	-24.203811825167	VS	70	1
-46.792943194427	-24.178447455382	VS	100	1	-46.861583669137	-24.205676284526	VS	70	1
-46.792925833423	-24.179000004875	VS	100	1	-46.860750255691	-24.206285746951	VS	70	1
-46.764130427348	-24.160981144457	VS	100	1	-46.860459957766	-24.20651504672	VS	70	1
-46.764278516301	-24.166372447502	VS	100	1	-46.860182049227	-24.20671991528	VS	70	1
-46.764103716973	-24.159393432379	VS	100	1	-46.859904972394	-24.206903004456	VS	100	1
-46.764189814726	-24.164389697139	VS	100	1	-46.859610043927	-24.207119165693	VS	100	1
-46.764078287654	-24.161222700352	VS	100	1	-46.859345161056	-24.207309059336	VS	100	1
-46.764148957996	-24.165870732128	VS	100	1	-46.866191852553	-24.229444195437	VS	100	1
-46.763657317201	-24.166341786077	VS	100	1	-46.863947370337	-24.228279567396	VS	100	1
-46.763944605126	-24.160554451859	VS	100	1	-46.864245753345	-24.228453722835	VS	100	1
-46.763878295911	-24.161171004549	VS	100	1	-46.865054645897	-24.228858096759	VS	100	1
-46.763948675857	-24.164569909159	VS	100	1	-46.852469003383	-24.161552247113	VS	70	1
-46.763860346548	-24.165703316381	VS	100	1	-46.853135080576	-24.158900323516	VS	100	1
-46.844609620811	-24.170072573916	VS	70	1	-46.848838077749	-24.212674762128	VS	70	1
-46.792905165766	-24.17932197394	VS	100	1	-46.846296907552	-24.217324143213	VS	100	1
-46.792986955805	-24.185368617343	VS	250	2	-46.772800759189	-24.157447217528	VS	70	1
-46.792774179248	-24.177777453538	VS	100	1	-46.772009642313	-24.158015107089	VS	70	1
-46.792804155886	-24.181934034638	VS	100	1	-46.771455491781	-24.158404795534	VS	70	1
-46.792708991341	-24.179367553701	VS	100	1	-46.770932474573	-24.158784707635	VS	70	1
-46.79270628674	-24.178774870333	VS	100	1	-46.775411965861	-24.157053242977	VS	70	1
-46.79276790451	-24.185201412951	VS	250	2	-46.775663101154	-24.156881860416	VS	70	1
-46.792627294377	-24.182217596824	VS	100	1	-46.775923710818	-24.15669249238	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792508307181	-24.178000250733	VS	100	1	-46.764185248581	-24.162071617263	VS	70	1
-46.792516431028	-24.181179004374	VS	100	1	-46.764467030804	-24.161883131468	VS	70	1
-46.780607656602	-24.169841955187	VS	70	1	-46.764746789206	-24.161675872396	VS	70	1
-46.763386045749	-24.161522550143	VS	100	1	-46.765203388049	-24.163668512721	VS	100	1
-46.763421607245	-24.162084182536	VS	100	1	-46.765473547344	-24.163470244691	VS	70	1
-46.763446778415	-24.164930462105	VS	100	1	-46.76573409323	-24.163280976805	VS	70	1
-46.763299210275	-24.162721406529	VS	100	1	-46.765989933259	-24.163083328262	VS	70	1
-46.763163810521	-24.16167591602	VS	100	1	-46.763598599746	-24.162514010993	VS	100	1
-46.763166804086	-24.165128795296	VS	100	1	-46.769111235447	-24.164445577957	VS	100	1
-46.76312340189	-24.161925767502	VS	100	1	-46.768689357978	-24.160206122278	VS	70	1
-46.763009648064	-24.162928741222	VS	100	1	-46.76891512587	-24.160469476046	VS	70	1
-46.762887055057	-24.16533604153	VS	100	1	-46.780611521023	-24.169977081595	VS	70	1
-46.762805353946	-24.161758568625	VS	100	1	-46.782836171121	-24.168908147344	VS	70	1
-46.780644070652	-24.176000667976	VS	70	1	-46.783099700552	-24.169026312992	VS	70	1
-46.844437324343	-24.167994378915	VS	70	1	-46.783360455677	-24.1688459265	VS	70	1
-46.792482837029	-24.185071331281	VS	250	2	-46.777134399246	-24.172935361286	VS	100	1
-46.792389290148	-24.181645933772	VS	100	1	-46.778010920732	-24.172596764629	VS	70	1
-46.792255426292	-24.182171180572	VS	100	1	-46.778195355073	-24.172814496624	VS	70	1
-46.792152530222	-24.179086204678	VS	100	1	-46.778723722413	-24.172436154518	VS	250	1
-46.792109971199	-24.178467067353	VS	100	1	-46.780151056752	-24.173198524389	VS	100	1
-46.792188326052	-24.182209021922	VS	250	1	-46.780672461888	-24.17244480221	VS	100	1
-46.792155520929	-24.184931020054	VS	250	2	-46.780481292817	-24.172215102628	VS	100	1
-46.79215642633	-24.18619348155	VS	150	1	-46.780516441028	-24.17236172563	VS	100	1
-46.896534586849	-24.236062887491	VS	100	1	-46.78076755784	-24.172163695359	VS	100	1
-46.81308245882	-24.193978294337	VS	100	1	-46.781096855433	-24.17194842939	VS	100	1
-46.819329141373	-24.18694404088	VS	100	1	-46.723892668533	-24.150279408772	VS	100	1
-46.78039560729	-24.1758687327	VS	100	1	-46.724240289886	-24.150036062412	VS	100	1
-46.762720095362	-24.163136057488	VS	100	1	-46.72451025489	-24.149828949705	VS	100	1
-46.762497164143	-24.161591318927	VS	100	1	-46.724809651195	-24.149621634649	VS	100	1
-46.762168886767	-24.161406353046	VS	100	1	-46.725151272486	-24.149405217368	VS	100	1
-46.7618505914	-24.161238992287	VS	100	1	-46.723618231954	-24.145524024442	VS	100	1
-46.761833984906	-24.168448082491	VS	100	1	-46.72390516595	-24.145327458176	VS	100	1
-46.844339209658	-24.169851617676	VS	70	1	-46.724166137689	-24.145156099617	VS	100	1
-46.844235428506	-24.168194239742	VS	70	1	-46.724465512431	-24.144948783423	VS	100	1
-46.844068770584	-24.169630642255	VS	70	1	-46.727532556422	-24.145195051059	VS	100	1
-46.844025704352	-24.168401532295	VS	100	6	-46.727842692061	-24.14495977535	VS	100	1
-46.843826918437	-24.168596365133	VS	100	6	-46.728142139982	-24.144762487259	VS	100	1
-46.716620735403	-24.137625888418	VS	100	1	-46.728420834284	-24.144564120774	VS	100	1
-46.791832835825	-24.178435225131	VS	100	1	-46.728700587814	-24.144356930327	VS	100	1
-46.771440824122	-24.154628670789	VS	70	1	-46.729014461729	-24.144142924516	VS	100	1
-46.861284274741	-24.205883897887	VS	70	1	-46.91547290187	-24.216254998067	VS	100	1
-46.861023788417	-24.20608238099	VS	70	1	-46.916769057585	-24.215300515181	VS	100	1
-46.766266113903	-24.162117141491	VS	70	1	-46.935739325772	-24.201244483478	VS	100	1
-46.765957136359	-24.16233353533	VS	70	1	-46.819165538225	-24.201290930014	VS	150	1
-46.869396561546	-24.212455489452	VS	70	1	-46.819519025205	-24.196028983426	VS	70	1
-46.868769005221	-24.212897716374	VS	70	1	-46.819329082084	-24.196327900305	VS	70	1
-46.868462986231	-24.213098310888	VS	70	1	-46.819160303481	-24.196613784351	VS	70	1
-46.761525330291	-24.16107549408	VS	100	1	-46.786416525709	-24.18072051783	VS	100	1
-46.813009694832	-24.191004652635	VS	250	2	-46.786567835397	-24.180478486584	VS	100	1
-46.76086200093	-24.170507430283	VS	100	1	-46.778983678076	-24.147062358079	VS	70	1
-46.781957576964	-24.170619669162	VS	100	1	-46.779276491596	-24.147009037208	VS	70	1
-46.790380434053	-24.182653189834	VS	100	1	-46.779664333975	-24.146936286683	VS	70	1
-46.790075064443	-24.177156530777	VS	100	1	-46.777694581939	-24.147025420698	VS	70	1
-46.790109382031	-24.182591804789	VS	100	1	-46.777597087829	-24.146660630136	VS	70	1
-46.790003336903	-24.176820593362	VS	100	1	-46.777504762657	-24.146317016449	VS	70	1
-46.789770959655	-24.17598078342	VS	100	1	-46.777417527973	-24.145990394178	VS	70	1
-46.772277457035	-24.155660782619	VS	70	1	-46.777320236399	-24.145634111007	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.770852683685	-24.168322463635	VS	100	1	-46.777217505486	-24.145251459418	VS	70	1
-46.814475633055	-24.190400290708	VS	100	1	-46.777145755196	-24.144988141766	VS	70	1
-46.836465033882	-24.156226564705	VS	70	1	-46.777064797576	-24.144725768007	VS	70	1
-46.821959801552	-24.161362082316	VS	100	1	-46.777555050588	-24.14252581066	VS	100	1
-46.839668479456	-24.167459733395	VS	100	1	-46.780090508617	-24.142436452855	VS	70	1
-46.838877269274	-24.166814474286	VS	100	1	-46.778184334508	-24.150001174843	VS	70	1
-46.759591325584	-24.152029772446	VS	100	1	-46.783872180055	-24.145982619359	VS	70	1
-46.779971938562	-24.171561265519	VS	250	1	-46.79325804215	-24.160323820662	VS	70	1
-46.779791449449	-24.171349901806	VS	100	1	-46.77646437324	-24.156313752912	VS	70	1
-46.779556997591	-24.171109102318	VS	250	1	-46.72829782641	-24.148873653534	VS	70	1
-46.780387792699	-24.170914744705	VS	250	1	-46.782562418861	-24.123557863991	VS	100	1
-46.780265491979	-24.170787145476	VS	250	1	-46.728039585031	-24.148741667125	VS	70	1
-46.843798351222	-24.169409694036	VS	100	1	-46.726678618404	-24.148037580926	VS	100	1
-46.771151630224	-24.168106286813	VS	100	1	-46.726394099599	-24.147894974205	VS	100	1
-46.780753328539	-24.173138972334	VS	70	1	-46.726087592874	-24.147730573225	VS	100	1
-46.780905107702	-24.172702382732	VS	100	1	-46.725792947306	-24.147579973342	VS	100	1
-46.777636587311	-24.174292664496	VS	70	1	-46.725526118349	-24.147440512011	VS	100	1
-46.777325388386	-24.174517511456	VS	70	1	-46.725015886505	-24.147174199761	VS	100	1
-46.893260288271	-24.233914700316	VS	100	1	-46.724825689958	-24.147140915149	VS	100	1
-46.858862828821	-24.207660788567	VS	100	1	-46.725540845435	-24.147620663144	VS	100	1
-46.779000426054	-24.173425852855	VS	100	1	-46.725309301314	-24.147791821682	VS	100	1
-46.778797488228	-24.173561195121	VS	100	1	-46.7255716638	-24.148108083281	VS	100	1
-46.80939224754	-24.191094568281	VS	100	1	-46.725344350035	-24.147991592333	VS	100	1
-46.789442171345	-24.176952019645	VS	100	1	-46.725025265276	-24.14782642169	VS	100	1
-46.789397176751	-24.176711451204	VS	100	1	-46.724795419277	-24.148356345289	VS	100	1
-46.780014548406	-24.170967455063	VS	250	1	-46.724558979081	-24.148331516932	VS	100	1
-46.779520428082	-24.171320146883	VS	250	1	-46.724731384746	-24.147025307148	VS	100	1
-46.779271068825	-24.171490482477	VS	250	1	-46.724380437262	-24.146857032595	VS	100	1
-46.780506832636	-24.170615828379	VS	250	1	-46.72381657987	-24.146569441313	VS	100	1
-46.780758189685	-24.170453362359	VS	150	1	-46.72348042106	-24.146383188862	VS	100	1
-46.781019189341	-24.170262150492	VS	150	1	-46.906678981734	-24.236130524629	VS	70	1
-46.781723366206	-24.169759147759	VS	250	1	-46.906980529493	-24.235906541184	VS	70	1
-46.781230880923	-24.170101857037	VS	250	1	-46.831348391027	-24.183379607883	VS	70	1
-46.781825418692	-24.170236211249	VS	250	1	-46.831618714783	-24.183190127591	VS	70	1
-46.781623831082	-24.17001464524	VS	250	1	-46.831889047296	-24.183000655982	VS	70	1
-46.779334424193	-24.172011669581	VS	150	1	-46.831495264277	-24.182548632036	VS	70	1
-46.779152685453	-24.171798882094	VS	250	1	-46.831243521097	-24.182718371038	VS	70	1
-46.778343611797	-24.172010810979	VS	250	1	-46.830956425366	-24.182915568869	VS	70	1
-46.843635276143	-24.168785144421	VS	100	6	-46.826192336319	-24.183795518547	VS	70	1
-46.84353769619	-24.169188597241	VS	70	1	-46.824666655537	-24.197659441516	VS	70	1
-46.843454547874	-24.168973427922	VS	100	6	-46.824503115389	-24.197985390388	VS	70	1
-46.843435760999	-24.169794786419	VS	70	1	-46.824327199961	-24.198242017608	VS	70	1
-46.843302131104	-24.169119612054	VS	100	1	-46.823732552753	-24.198005404686	VS	70	1
-46.843267345687	-24.168967704244	VS	70	1	-46.823581481652	-24.19825640172	VS	70	1
-46.806609194594	-24.192102205949	VS	100	1	-46.823823972496	-24.196685461142	VS	100	1
-46.806318908114	-24.195308597949	VS	100	1	-46.824012048358	-24.196374503967	VS	100	1
-46.789395869274	-24.177074453316	VS	100	1	-46.824478624297	-24.197245304053	VS	70	1
-46.789331074491	-24.176408639983	VS	100	1	-46.826345941015	-24.199557177247	VS	100	1
-46.789279027113	-24.175499996751	VS	100	1	-46.827248578695	-24.199775200178	VS	100	1
-46.854743779416	-24.208616844014	VS	100	1	-46.751576594252	-24.163024457886	VS	100	1
-46.783752374194	-24.168739746958	VS	70	1	-46.83992756339	-24.199370562884	VS	100	1
-46.783964842095	-24.169005833818	VS	70	1	-46.84178359933	-24.202820504345	VS	70	1
-46.789147599631	-24.175752526395	VS	100	1	-46.841593559918	-24.203130450739	VS	70	1
-46.789065669328	-24.176030262854	VS	100	1	-46.842798237435	-24.20329340443	VS	70	1
-46.789015001437	-24.175240557932	VS	100	1	-46.842562115057	-24.203683562759	VS	70	1
-46.789048956145	-24.176901697999	VS	100	1	-46.844775090822	-24.203748950782	VS	100	1
-46.788911812589	-24.176575544956	VS	100	1	-46.844445872067	-24.203591279341	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.788820858041	-24.176870062288	VS	100	1	-46.851242171827	-24.207928052098	VS	100	1
-46.778130601273	-24.171744161012	VS	250	1	-46.846199681953	-24.209397741146	VS	100	1
-46.778344795231	-24.171440979818	VS	250	1	-46.846442019204	-24.209672466065	VS	100	1
-46.778125798268	-24.171611064385	VS	250	1	-46.846418002613	-24.209898639547	VS	100	1
-46.777861950869	-24.171792761071	VS	250	1	-46.849813549501	-24.211484281226	VS	70	1
-46.777595046632	-24.171989365517	VS	250	1	-46.849053421009	-24.210756057665	VS	70	1
-46.777403626567	-24.172114891834	VS	250	1	-46.827399965336	-24.199586742937	VS	100	1
-46.777167243699	-24.172297484102	VS	250	1	-46.831403317158	-24.201857968515	VS	70	1
-46.776898044475	-24.172486134694	VS	100	1	-46.83613616806	-24.20311930917	VS	70	1
-46.776685079885	-24.172612621985	VS	250	1	-46.835807552287	-24.202952016529	VS	70	1
-46.788454044576	-24.178289733395	VS	100	1	-46.835459842955	-24.202785174215	VS	70	1
-46.844376012615	-24.157332997187	VS	100	1	-46.836453996561	-24.203286143604	VS	70	1
-46.844153786333	-24.155909153171	VS	70	1	-46.836119534035	-24.203363136585	VS	70	1
-46.844078181431	-24.155611124319	VS	70	1	-46.833278640181	-24.197691232877	VS	100	1
-46.78432743608	-24.170283992211	VS	70	1	-46.83313329704	-24.200309783097	VS	70	1
-46.784047692216	-24.170491289241	VS	70	1	-46.833035956205	-24.196025649825	VS	100	1
-46.784143632066	-24.169530073245	VS	100	1	-46.835613091584	-24.197994345545	VS	100	1
-46.784387064556	-24.16982400128	VS	100	1	-46.832628644164	-24.194919262065	VS	100	1
-46.784582324	-24.170071101784	VS	100	1	-46.833920634308	-24.195560665184	VS	70	1
-46.854416812922	-24.209306474745	VS	70	1	-46.834537014979	-24.195877103593	VS	70	1
-46.91075420353	-24.23669919792	VS	100	1	-46.83486485058	-24.196035170106	VS	70	1
-46.788001914752	-24.175448093122	VS	100	1	-46.83552117708	-24.196378070025	VS	70	1
-46.787888997077	-24.174698742685	VS	100	1	-46.8361570187	-24.196685442248	VS	70	1
-46.758699428067	-24.159557844687	VS	100	1	-46.836484164296	-24.196843099101	VS	70	1
-46.843963738977	-24.156113693902	VS	70	1	-46.831208745726	-24.205505646421	VS	100	1
-46.8438453267	-24.157711921545	VS	100	1	-46.831057988897	-24.205754315883	VS	100	1
-46.843693430511	-24.156313645961	VS	70	1	-46.831378462629	-24.205219006765	VS	100	1
-46.843375282307	-24.156537672557	VS	70	1	-46.833108979906	-24.20377214652	VS	100	1
-46.843143244963	-24.156700366997	VS	70	1	-46.819669899522	-24.19031928379	VS	100	1
-46.844030846052	-24.212169058381	VS	70	1	-46.819995153417	-24.190361452486	VS	100	1
-46.842245972157	-24.157331814166	VS	100	1	-46.819560660093	-24.190170647021	VS	100	1
-46.758114327262	-24.164904678013	VS	100	1	-46.729111715629	-24.147064181362	VS	100	1
-46.842934967231	-24.169388170247	VS	100	6	-46.817542730529	-24.191616100912	VS	100	1
-46.842839651847	-24.169576602895	VS	100	6	-46.728728452356	-24.146612199727	VS	100	1
-46.787896885339	-24.175163056534	VS	100	1	-46.731835768023	-24.145387308719	VS	100	1
-46.787845880892	-24.176680900811	VS	100	1	-46.730497104477	-24.146561506868	VS	100	1
-46.787760978008	-24.176413794396	VS	100	1	-46.730264652857	-24.146277545549	VS	70	1
-46.787614160472	-24.176022116786	VS	100	1	-46.730042317911	-24.146002549285	VS	70	1
-46.787589261341	-24.174477929015	VS	100	1	-46.729911234389	-24.145851826333	VS	70	1
-46.787517391386	-24.176495489129	VS	100	1	-46.72967287171	-24.146901588539	VS	100	1
-46.787414915811	-24.175488134999	VS	100	1	-46.847813413918	-24.209547770446	VS	100	1
-46.787309838011	-24.17519474821	VS	100	1	-46.848170655983	-24.209959656373	VS	70	1
-46.787279905192	-24.174266098799	VS	100	1	-46.848342532256	-24.210163535085	VS	70	1
-46.78722538753	-24.174945613617	VS	100	1	-46.848516002248	-24.210344979752	VS	100	1
-46.787282276493	-24.176559828149	VS	100	1	-46.848776767447	-24.210164471187	VS	70	1
-46.757981982148	-24.165119771147	VS	100	1	-46.848236023583	-24.210543473485	VS	70	1
-46.787120576906	-24.174669526405	VS	100	1	-46.849037541468	-24.209983971347	VS	70	1
-46.787035283205	-24.174406303856	VS	100	1	-46.847901731623	-24.210785222003	VS	100	1
-46.78673449986	-24.175901645156	VS	100	1	-46.8476277728	-24.21097658466	VS	70	1
-46.78673707218	-24.175511153773	VS	100	1	-46.84733797807	-24.211175150988	VS	70	1
-46.78398799995	-24.168404052407	VS	70	1	-46.783722994452	-24.180871181078	VS	250	1
-46.784229529116	-24.168241659103	VS	70	1	-46.784028310441	-24.181245686739	VS	250	1
-46.825957120263	-24.184064030053	VS	100	1	-46.825260003705	-24.199055667335	VS	100	1
-46.78655647856	-24.176734353373	VS	100	1	-46.825015074471	-24.199176711435	VS	70	1
-46.786526854396	-24.175954004142	VS	100	1	-46.824768595991	-24.199050564961	VS	70	1
-46.841665964046	-24.169020928501	VS	100	1	-46.824835975994	-24.198577260188	VS	70	1
-46.786205049424	-24.176045630772	VS	100	1	-46.824418657721	-24.198877868461	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.786214056183	-24.175809441991	VS	100	1	-46.824120363577	-24.198728398768	VS	70	1
-46.858757894911	-24.20841796845	VS	100	1	-46.824138581801	-24.198564689895	VS	70	1
-46.781642963985	-24.170851112938	VS	100	1	-46.823861669974	-24.198596497039	VS	70	1
-46.786265205283	-24.180962557576	VS	100	1	-46.823614074637	-24.198482661203	VS	70	1
-46.786116699289	-24.175507577196	VS	100	1	-46.823379641162	-24.198360098232	VS	70	1
-46.781282595706	-24.170834500799	VS	100	1	-46.823968608829	-24.198842487004	VS	70	1
-46.785951568678	-24.176118898816	VS	100	1	-46.823872380973	-24.198994821776	VS	70	1
-46.885151476519	-24.206248271723	VS	100	1	-46.824505876342	-24.19913270255	VS	70	1
-46.841590164846	-24.171461414059	VS	100	1	-46.824665720794	-24.198860135543	VS	70	1
-46.841401532076	-24.169276482963	VS	100	1	-46.817091389349	-24.176897637075	VS	70	1
-46.841359662984	-24.171266914336	VS	100	1	-46.817542280108	-24.176447776734	VS	100	1
-46.841129190119	-24.171072451191	VS	100	1	-46.817321667418	-24.17666361655	VS	100	1
-46.841008849916	-24.169681087371	VS	100	1	-46.817826329548	-24.176419201556	VS	100	1
-46.842484209924	-24.169016928099	VS	100	1	-46.818106688432	-24.176612976166	VS	100	1
-46.842370185457	-24.170053173651	VS	70	1	-46.818396050109	-24.176807060773	VS	100	1
-46.842130646477	-24.170295965921	VS	70	1	-46.818585758437	-24.176939442834	VS	100	1
-46.785711716227	-24.176152198241	VS	100	1	-46.819020090326	-24.173917541384	VS	70	1
-46.785599849955	-24.175832269669	VS	100	1	-46.820699419466	-24.17387895743	VS	70	1
-46.840911371124	-24.16852069339	VS	100	1	-46.854959083778	-24.220736101218	VS	70	1
-46.840836066284	-24.169843049585	VS	100	1	-46.85521099815	-24.221439268415	VS	70	1
-46.84087883795	-24.170869176879	VS	100	1	-46.854801996256	-24.220959911036	VS	70	1
-46.840489363933	-24.158213520771	VS	70	1	-46.854734181931	-24.219632546318	VS	70	1
-46.840640968526	-24.168291004138	VS	100	1	-46.854641665093	-24.221205208068	VS	70	1
-46.840634728154	-24.170040909283	VS	100	1	-46.854412225177	-24.220117983839	VS	70	1
-46.840462376844	-24.170220707746	VS	100	1	-46.854202424844	-24.219882348063	VS	70	1
-46.840171286957	-24.158080347523	VS	70	1	-46.854039754895	-24.218646211002	VS	70	1
-46.840287736004	-24.170402904821	VS	100	1	-46.854009861805	-24.21965998525	VS	100	1
-46.840059667537	-24.170616442675	VS	100	1	-46.853849516704	-24.218782740237	VS	70	1
-46.839781879622	-24.170904195043	VS	100	1	-46.853810683467	-24.219423962549	VS	70	1
-46.784144604119	-24.174181238648	VS	100	1	-46.853606257739	-24.219199707002	VS	70	1
-46.783826710993	-24.174022998592	VS	100	1	-46.820959851192	-24.174057573619	VS	70	1
-46.783716809101	-24.17403327089	VS	100	1	-46.821230189265	-24.174243439768	VS	70	1
-46.783522247633	-24.173856844478	VS	100	1	-46.819267324281	-24.172264772573	VS	70	1
-46.838636447734	-24.160115105233	VS	100	1	-46.819095326076	-24.171883125927	VS	70	1
-46.839589812029	-24.171097915424	VS	100	1	-46.818898536989	-24.17155802295	VS	70	1
-46.839293510347	-24.163371177963	VS	100	1	-46.81870258542	-24.171288598625	VS	70	1
-46.839398383441	-24.171281924517	VS	100	1	-46.818508793292	-24.171037346593	VS	70	1
-46.839064849158	-24.163593084429	VS	100	1	-46.818292445974	-24.170789477986	VS	70	1
-46.841359394587	-24.159222666484	VS	100	1	-46.853588506822	-24.218963402945	VS	70	1
-46.84120490295	-24.158937521766	VS	70	1	-46.8534147772	-24.218970097058	VS	70	1
-46.841200907395	-24.158100900022	VS	100	1	-46.853067199752	-24.219333302617	VS	70	1
-46.841188151701	-24.157968527728	VS	70	1	-46.852806429313	-24.219513789934	VS	70	1
-46.838834846192	-24.163826936278	VS	100	1	-46.817889942458	-24.184140894537	VS	250	1
-46.782090645624	-24.176136001098	VS	100	1	-46.817787370818	-24.18428215132	VS	250	2
-46.782074435237	-24.17672148357	VS	100	1	-46.81751170331	-24.184659017135	VS	250	2
-46.829230279312	-24.15191078559	VS	70	1	-46.817331197648	-24.184910236376	VS	250	2
-46.838103761229	-24.159660867394	VS	100	1	-46.817137996924	-24.185166750386	VS	250	2
-46.841073993665	-24.158353413104	VS	100	1	-46.81707828585	-24.185393438965	VS	250	2
-46.841071631219	-24.15867255758	VS	70	1	-46.816992824309	-24.185658332664	VS	250	2
-46.841014667121	-24.157693377275	VS	70	1	-46.817776309196	-24.18399788868	VS	100	1
-46.841151677991	-24.16871511842	VS	100	1	-46.852536146892	-24.219712293125	VS	70	1
-46.840942198103	-24.15861281632	VS	70	1	-46.852276170481	-24.219886138022	VS	70	1
-46.840823698263	-24.158455340574	VS	70	1	-46.856002476886	-24.217984454909	VS	100	1
-46.838212224655	-24.173024271679	VS	100	1	-46.855720309033	-24.218179241601	VS	100	1
-46.781800963696	-24.176343440446	VS	100	1	-46.855428933291	-24.218385101069	VS	100	1
-46.781746729487	-24.176563309437	VS	100	1	-46.855227765922	-24.218522190839	VS	100	1
-46.781515153431	-24.171109351895	VS	100	1	-46.854784038024	-24.218855875106	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.781328734224	-24.17107088218	VS	100	1	-46.85451345684	-24.219036431837	VS	100	1
-46.781482188902	-24.176559918013	VS	100	1	-46.854243258052	-24.219234886669	VS	100	1
-46.852866434003	-24.163275810068	VS	70	1	-46.853982609386	-24.219415307409	VS	100	1
-46.853128855682	-24.163568303215	VS	70	1	-46.853721910023	-24.219595753285	VS	100	1
-46.837907487622	-24.173182279722	VS	100	1	-46.817549187299	-24.183860653614	VS	100	1
-46.837393993829	-24.159063174034	VS	100	1	-46.817349808112	-24.183746080571	VS	100	1
-46.83766459828	-24.173318409842	VS	100	1	-46.816971900117	-24.183508400762	VS	100	1
-46.837192101457	-24.158892056333	VS	100	1	-46.816848947487	-24.185691388355	VS	100	1
-46.837471794696	-24.173417491179	VS	100	1	-46.816742417267	-24.183367376174	VS	100	1
-46.837071231043	-24.157469628096	VS	100	1	-46.816751275506	-24.184400842385	VS	100	1
-46.853391193368	-24.163860694564	VS	70	1	-46.816627662709	-24.183435078429	VS	100	1
-46.853653745662	-24.164161981476	VS	70	1	-46.81657042651	-24.184643287626	VS	100	1
-46.853845656152	-24.164383543255	VS	70	1	-46.816514265564	-24.183605041102	VS	100	1
-46.854037557466	-24.16460510461	VS	70	1	-46.816497676187	-24.183225913827	VS	100	1
-46.854300297319	-24.164915267843	VS	70	1	-46.816513174434	-24.185613618517	VS	100	1
-46.854562427654	-24.165198734975	VS	70	1	-46.816380230967	-24.184894428493	VS	100	1
-46.854804300387	-24.165489647779	VS	70	1	-46.816314347734	-24.183865327482	VS	100	1
-46.803111472302	-24.191447183917	VS	100	1	-46.855952236224	-24.218775380647	VS	70	1
-46.781359641708	-24.176370094721	VS	100	1	-46.856356505733	-24.218495472091	VS	70	1
-46.781240837066	-24.176731226191	VS	100	1	-46.856665328992	-24.218269952879	VS	70	1
-46.780941998357	-24.177102928492	VS	100	1	-46.856945366204	-24.218071409553	VS	70	1
-46.853967232532	-24.162715532604	VS	70	1	-46.85721582246	-24.217890907571	VS	70	1
-46.853677779838	-24.16292305098	VS	70	1	-46.858285928235	-24.22010917186	VS	100	1
-46.853378536402	-24.16313063571	VS	70	1	-46.81623462256	-24.18307672592	VS	100	1
-46.853099362743	-24.163337792501	VS	70	1	-46.816181868141	-24.1840715414	VS	100	1
-46.852799748283	-24.163554661546	VS	70	1	-46.816199503325	-24.185136723194	VS	100	1
-46.838883690976	-24.202148177971	VS	100	1	-46.816167687799	-24.185535959593	VS	100	1
-46.852519889246	-24.163753178842	VS	70	1	-46.816047588909	-24.185352031561	VS	100	1
-46.852220844207	-24.163969701381	VS	70	1	-46.816001580694	-24.184331681668	VS	100	1
-46.851931386048	-24.164177215636	VS	70	1	-46.815873086375	-24.18302003881	VS	100	1
-46.853684166114	-24.163993790622	VS	70	1	-46.815779062015	-24.183158959532	VS	100	1
-46.853394649453	-24.164201351417	VS	70	1	-46.815782542802	-24.185449618048	VS	100	1
-46.853095382101	-24.164408952579	VS	70	1	-46.815616346568	-24.184321576733	VS	100	1
-46.852806136491	-24.164625391428	VS	70	1	-46.815347702379	-24.182530271442	VS	100	1
-46.854501738872	-24.164409456414	VS	70	1	-46.858245695489	-24.219941112252	VS	100	1
-46.854212282314	-24.164616984382	VS	70	1	-46.858133780935	-24.219418301658	VS	70	1
-46.853913105647	-24.164824517533	VS	70	1	-46.858114977231	-24.220342318672	VS	100	1
-46.780931760175	-24.176947700697	VS	100	1	-46.858049170254	-24.219835659149	VS	70	1
-46.836850906242	-24.157694419635	VS	100	1	-46.857935129049	-24.220620349268	VS	100	1
-46.837191870479	-24.17356189444	VS	100	1	-46.857844950146	-24.219711305419	VS	70	1
-46.8399480113	-24.169395379531	VS	100	1	-46.857754633251	-24.220871610622	VS	100	1
-46.839710210768	-24.169630551368	VS	100	1	-46.857574136404	-24.221122880667	VS	100	1
-46.780692614986	-24.17153045534	VS	100	1	-46.851993627331	-24.220089471842	VS	70	1
-46.780462412998	-24.174377718503	VS	250	1	-46.858609780889	-24.218380367467	VS	70	1
-46.853623647267	-24.165032044114	VS	70	1	-46.86353781802	-24.221086752604	VS	70	1
-46.853373670271	-24.165248173734	VS	70	1	-46.863199273104	-24.220889117213	VS	70	1
-46.853044950706	-24.165456000359	VS	70	1	-46.815821544406	-24.184600655184	VS	100	1
-46.852745679924	-24.165663591323	VS	70	1	-46.797794514285	-24.157095562341	VS	70	1
-46.852446407919	-24.165871190571	VS	70	1	-46.797519512096	-24.157291660877	VS	70	1
-46.855086995368	-24.165065183204	VS	70	1	-46.797256461178	-24.157476557331	VS	70	1
-46.854787728272	-24.165272778772	VS	70	1	-46.797001988409	-24.157712692602	VS	70	1
-46.858189806673	-24.209392675093	VS	70	1	-46.796712473206	-24.157920100466	VS	70	1
-46.858771584245	-24.208577235329	VS	70	1	-46.796688601458	-24.158246049594	VS	70	1
-46.836938809459	-24.173680136562	VS	100	1	-46.796591614265	-24.158586948607	VS	70	1
-46.836432024278	-24.158258560655	VS	100	1	-46.796432788113	-24.15811836644	VS	70	1
-46.836390656652	-24.158144114854	VS	100	1	-46.796181491802	-24.158289899039	VS	70	1
-46.836627270177	-24.173834772963	VS	100	1	-46.795949794308	-24.158452253064	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.836179795564	-24.158360030499	VS	100	1	-46.795717887979	-24.158605675227	VS	70	1
-46.836423188503	-24.173961809949	VS	100	1	-46.862858958521	-24.220702757505	VS	70	1
-46.836229526675	-24.174088455399	VS	100	1	-46.862762919402	-24.220196429343	VS	70	1
-46.836896712279	-24.211071883988	VS	70	1	-46.86264375763	-24.220229377798	VS	70	1
-46.858458552561	-24.208815234036	VS	70	1	-46.862603613555	-24.220584303394	VS	70	1
-46.858713733498	-24.208993501903	VS	70	1	-46.862424410126	-24.220455334526	VS	70	1
-46.780707020666	-24.176981888597	VS	100	1	-46.862330235331	-24.219894490309	VS	70	1
-46.780242760892	-24.171852226308	VS	100	1	-46.862110659792	-24.220666404985	VS	70	1
-46.780299588174	-24.172019113492	VS	100	1	-46.861812458957	-24.22073206821	VS	100	1
-46.780186086048	-24.174250158855	VS	250	1	-46.861749576218	-24.22092283654	VS	70	1
-46.787843675262	-24.175552381538	VS	100	1	-46.861540321044	-24.220578135938	VS	70	1
-46.787564005027	-24.175647800788	VS	100	1	-46.861226474681	-24.220560088482	VS	100	1
-46.815163323891	-24.194671911736	VS	100	1	-46.860159667353	-24.219044406663	VS	100	1
-46.817867262586	-24.194671298375	VS	100	1	-46.795476589065	-24.15877702261	VS	70	1
-46.817546318991	-24.194549865765	VS	100	1	-46.795509190634	-24.159037767971	VS	70	1
-46.834945338904	-24.156834936452	VS	100	1	-46.795837074586	-24.159108668046	VS	70	1
-46.839466156201	-24.169867932101	VS	100	1	-46.795749146561	-24.159317635096	VS	70	1
-46.83945677799	-24.170075678767	VS	100	1	-46.795581227441	-24.159287944534	VS	70	1
-46.839227008597	-24.170099135122	VS	100	1	-46.795083261214	-24.158555499727	VS	70	1
-46.81722335928	-24.19442397731	VS	100	1	-46.818337847019	-24.183558173862	VS	250	1
-46.82428678232	-24.156480227763	VS	70	1	-46.818207035387	-24.182761036652	VS	250	1
-46.824018437832	-24.156749988348	VS	70	1	-46.818125333505	-24.183038260475	VS	250	2
-46.823702129917	-24.157064712612	VS	70	1	-46.818061124143	-24.183226129518	VS	250	1
-46.823423973911	-24.157334545447	VS	70	1	-46.817971909398	-24.183430315544	VS	250	1
-46.823145817015	-24.157604368598	VS	70	1	-46.81791496773	-24.183307116049	VS	250	1
-46.822908156093	-24.157852987006	VS	70	1	-46.817626233512	-24.183139787747	VS	250	1
-46.77993094532	-24.172072545861	VS	100	1	-46.859992542125	-24.219289201175	VS	100	1
-46.779922834623	-24.174135583234	VS	250	1	-46.861004319807	-24.220713538431	VS	70	1
-46.779621329309	-24.172288111243	VS	100	1	-46.859821472149	-24.219522509438	VS	100	1
-46.779674920624	-24.174030357965	VS	250	1	-46.859650583042	-24.219764784556	VS	100	1
-46.832963353309	-24.188631412108	VS	70	1	-46.859479915803	-24.220015973544	VS	100	1
-46.839198241405	-24.168793078941	VS	100	1	-46.859280534958	-24.220294033121	VS	100	1
-46.781400494388	-24.172667101964	VS	70	1	-46.859100000785	-24.220545358492	VS	100	1
-46.825613335913	-24.187926597611	VS	250	1	-46.858396653191	-24.218686173282	VS	70	1
-46.826907579258	-24.188686131514	VS	250	1	-46.858806585073	-24.218089209859	VS	100	1
-46.780661434696	-24.177127986727	VS	100	1	-46.859415193126	-24.219057609418	VS	100	1
-46.779312342219	-24.172504540785	VS	100	1	-46.89032379852	-24.237851827559	VS	100	1
-46.779317278574	-24.173891364527	VS	250	1	-46.816819369872	-24.182655209012	VS	250	1
-46.780418470274	-24.176823372579	VS	100	1	-46.796071775693	-24.158938364142	VS	70	1
-46.780100389041	-24.176656211763	VS	100	1	-46.796272468031	-24.158815707477	VS	70	1
-46.780126122383	-24.176498528253	VS	100	1	-46.796934925168	-24.158556528204	VS	70	1
-46.779070738418	-24.172825382474	VS	100	1	-46.890870019897	-24.238170240867	VS	100	1
-46.77904827489	-24.172683348393	VS	100	1	-46.79904400949	-24.158729065926	VS	70	1
-46.779871777525	-24.176541847557	VS	100	1	-46.795294887745	-24.158785890712	VS	70	1
-46.831620376372	-24.187150565862	VS	70	1	-46.859149722098	-24.2188707563	VS	100	1
-46.831360584707	-24.187353172641	VS	70	1	-46.858937687413	-24.219176818098	VS	100	1
-46.831081931054	-24.187594419016	VS	70	1	-46.858729488143	-24.219476131588	VS	100	1
-46.830815956993	-24.187819314364	VS	70	1	-46.858471883868	-24.219611580259	VS	100	1
-46.830594414632	-24.188017738173	VS	70	1	-46.858500081405	-24.219815512334	VS	100	1
-46.83018611553	-24.186217172893	VS	100	1	-46.858860436509	-24.219822957698	VS	100	1
-46.829899579127	-24.186452115278	VS	70	1	-46.858665581168	-24.21957092804	VS	100	1
-46.71035612018	-24.142760128265	VS	100	1	-46.858593209706	-24.22013496272	VS	100	1
-46.71021709662	-24.142183660327	VS	100	1	-46.858796353438	-24.220258294473	VS	100	1
-46.710462055728	-24.14197608564	VS	100	1	-46.795252190331	-24.158924105695	VS	70	1
-46.710055849759	-24.142544866134	VS	100	1	-46.794954872227	-24.159128977072	VS	100	1
-46.709981015738	-24.14234810348	VS	100	1	-46.820197902874	-24.180491246267	VS	250	1
-46.711214158225	-24.141686413647	VS	100	1	-46.821300763033	-24.18039345671	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.711519503173	-24.141455925156	VS	100	1	-46.820968097636	-24.180440628088	VS	250	1
-46.710591086639	-24.142132696684	VS	100	1	-46.82076261181	-24.180468976283	VS	250	1
-46.861060670022	-24.213371293336	VS	100	1	-46.820547305633	-24.180497388115	VS	250	1
-46.824711132722	-24.196458734324	VS	100	1	-46.819793651286	-24.180572999952	VS	250	1
-46.734212421288	-24.097811521161	VS	70	1	-46.819522508952	-24.180708699933	VS	250	1
-46.862376803017	-24.211833676053	VS	100	1	-46.81924231627	-24.18084404257	VS	250	1
-46.82315063935	-24.18583032173	VS	70	1	-46.818939542858	-24.180990079391	VS	250	1
-46.89563320955	-24.194247867969	VS	100	1	-46.785475960914	-24.180631148612	VS	250	1
-46.895913474292	-24.194050120698	VS	100	1	-46.785582895346	-24.18042509771	VS	250	1
-46.896173957543	-24.193869647008	VS	100	1	-46.785799172821	-24.180081040981	VS	250	1
-46.896444328215	-24.193679990076	VS	100	1	-46.785978875381	-24.179794185842	VS	250	1
-46.896695212519	-24.193508525486	VS	100	1	-46.786319280314	-24.179247383566	VS	250	1
-46.896955984818	-24.193327859636	VS	100	1	-46.786149389784	-24.179534168344	VS	250	1
-46.783069849033	-24.15224152968	VS	100	1	-46.860992967842	-24.22027033962	VS	100	1
-46.863337827603	-24.224231152213	VS	100	1	-46.85933042469	-24.218628406373	VS	70	1
-46.861008526076	-24.224222851093	VS	100	1	-46.861534955235	-24.220334775026	VS	100	1
-46.860020821714	-24.225005038706	VS	100	1	-46.859247309637	-24.21832241989	VS	70	1
-46.894870430487	-24.194772710533	VS	100	1	-46.863322375087	-24.218414890734	VS	70	1
-46.790216989714	-24.184516918568	VS	250	1	-46.865449003164	-24.221036878514	VS	70	1
-46.790119377983	-24.184410158154	VS	250	1	-46.865429239959	-24.220842057017	VS	70	1
-46.789931566736	-24.184094053375	VS	250	1	-46.818776645181	-24.181142040979	VS	250	2
-46.786180247428	-24.183837825037	VS	250	1	-46.818702617494	-24.1813299834	VS	250	2
-46.785941694966	-24.183714681933	VS	250	1	-46.818546678367	-24.181786272517	VS	250	2
-46.785706772	-24.183606695305	VS	250	1	-46.818418042701	-24.18215308843	VS	250	2
-46.785355908802	-24.183433604416	VS	250	1	-46.818326530663	-24.182430394548	VS	250	2
-46.785127623125	-24.183328235061	VS	250	1	-46.819772807401	-24.180230549434	VS	100	1
-46.785488908695	-24.183563580252	VS	250	1	-46.817055226031	-24.179538941236	VS	100	1
-46.791590699631	-24.184703358808	VS	150	1	-46.82111666122	-24.182227778107	VS	100	1
-46.791293389441	-24.184580735234	VS	250	1	-46.820856086019	-24.182006709098	VS	100	1
-46.790865245401	-24.184541323467	VS	250	1	-46.820661129737	-24.181662587889	VS	100	1
-46.791005973095	-24.184466895683	VS	250	1	-46.820611962653	-24.180876961662	VS	100	1
-46.790698345176	-24.18433528546	VS	250	1	-46.86513314314	-24.220871556542	VS	70	1
-46.790420881518	-24.184230249132	VS	250	1	-46.864959404968	-24.219694653604	VS	70	1
-46.790105743178	-24.184116371476	VS	250	1	-46.864859548664	-24.220718122138	VS	70	1
-46.790518634692	-24.184817978157	VS	250	1	-46.864660221308	-24.219911175383	VS	70	1
-46.79036778822	-24.184667425216	VS	250	1	-46.864556983474	-24.220581949897	VS	70	1
-46.907879287953	-24.239948781013	VS	100	1	-46.864390063689	-24.220109623933	VS	70	1
-46.908901652182	-24.241004437122	VS	100	1	-46.864258592654	-24.220441364487	VS	70	1
-46.710892627858	-24.141920547693	VS	100	1	-46.864122191714	-24.220295439104	VS	70	1
-46.710313123121	-24.142342768146	VS	100	1	-46.863803181465	-24.219571467815	VS	70	1
-46.712795184672	-24.144346900383	VS	100	1	-46.863988638752	-24.22029763014	VS	70	1
-46.713055750239	-24.144157718936	VS	100	1	-46.863521404453	-24.219764089639	VS	70	1
-46.713287503211	-24.143995502131	VS	100	1	-46.863114775001	-24.218203137816	VS	70	1
-46.713509428802	-24.143833360014	VS	100	1	-46.863021501591	-24.218353669757	VS	70	1
-46.713762150364	-24.143663357147	VS	100	1	-46.820585691033	-24.181785712685	VS	100	1
-46.714012915189	-24.143078130478	VS	100	1	-46.820331549075	-24.180647124765	VS	100	1
-46.844518837719	-24.208402361171	VS	100	1	-46.820345246434	-24.18158238932	VS	100	1
-46.865890813793	-24.219028224528	VS	100	1	-46.820054791838	-24.181343692815	VS	100	1
-46.861892597116	-24.212818452339	VS	100	1	-46.819811722436	-24.179446450022	VS	70	1
-46.785853260893	-24.176528918216	VS	100	1	-46.819813432688	-24.181140136295	VS	100	1
-46.787200951291	-24.176854881072	VS	100	1	-46.819591267633	-24.17926076037	VS	100	1
-46.787117116679	-24.176632432007	VS	100	1	-46.819552361314	-24.180044859832	VS	100	1
-46.779968963926	-24.179052106575	VS	250	1	-46.819553701477	-24.180919241965	VS	100	1
-46.779661093874	-24.178902699855	VS	250	1	-46.819312344432	-24.179850256546	VS	100	1
-46.779372873945	-24.178753170323	VS	250	1	-46.81929251465	-24.180714968877	VS	70	1
-46.778853138944	-24.178510245422	VS	250	1	-46.862938881065	-24.217963746895	VS	70	1
-46.778578685359	-24.178375449336	VS	250	1	-46.862751355982	-24.218552097768	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.787022412722	-24.176365468809	VS	100	1	-46.862666094802	-24.217874635795	VS	70	1
-46.782438090825	-24.180474905943	VS	250	1	-46.862405207717	-24.218055237493	VS	70	1
-46.782179917797	-24.180351908461	VS	250	1	-46.862154395527	-24.218235580909	VS	70	1
-46.784507440267	-24.181257777489	VS	250	2	-46.861874414471	-24.218434109207	VS	70	1
-46.7848160569	-24.181407565881	VS	250	2	-46.861703164562	-24.218847786443	VS	70	1
-46.785034379089	-24.18152172921	VS	250	2	-46.861624062094	-24.218605060085	VS	70	1
-46.785245962303	-24.181616105415	VS	250	2	-46.86142036948	-24.218563359818	VS	70	1
-46.785585207038	-24.181791200344	VS	250	2	-46.861319644445	-24.218748129892	VS	70	1
-46.785947412442	-24.181962656915	VS	250	2	-46.861185661552	-24.217984579275	VS	70	1
-46.786037428021	-24.182005007983	VS	250	2	-46.861158950219	-24.218289522827	VS	70	1
-46.786395107644	-24.182180837157	VS	250	2	-46.819032754101	-24.180485994693	VS	100	1
-46.786683966987	-24.182324296099	VS	250	2	-46.818762365295	-24.180265004875	VS	100	1
-46.786911572422	-24.182435702808	VS	250	2	-46.818697537166	-24.18088257809	VS	100	1
-46.787120044504	-24.182541097986	VS	250	2	-46.818491977733	-24.180044005691	VS	100	1
-46.787477747053	-24.182716925554	VS	250	2	-46.818477311689	-24.180705809858	VS	100	1
-46.787706261644	-24.182831214376	VS	250	2	-46.818237015703	-24.18051135052	VS	100	1
-46.895131107213	-24.194592117952	VS	100	1	-46.818188857225	-24.179784077315	VS	100	1
-46.89538219568	-24.19442052619	VS	100	1	-46.818046653704	-24.180352199092	VS	100	1
-46.713783765942	-24.142928108223	VS	100	1	-46.817900671338	-24.179539958134	VS	100	1
-46.867449795968	-24.220344251121	VS	100	1	-46.81777648715	-24.180140121634	VS	100	1
-46.867407443179	-24.220579941269	VS	100	1	-46.817496054247	-24.179916816259	VS	100	1
-46.787805476463	-24.182875090364	VS	250	2	-46.817333466266	-24.179095247127	VS	100	1
-46.787924748437	-24.182936651367	VS	250	2	-46.81728558027	-24.179336470373	VS	100	1
-46.788129358714	-24.183054335122	VS	250	2	-46.860896239327	-24.218191991165	VS	70	1
-46.787382615101	-24.182880885455	VS	250	2	-46.860886023545	-24.217961806356	VS	70	1
-46.778971205268	-24.178787362451	VS	250	2	-46.860635632261	-24.218381469126	VS	70	1
-46.781528315074	-24.179816753036	VS	250	1	-46.860363035149	-24.218562595565	VS	70	1
-46.782981213289	-24.180747345495	VS	250	1	-46.859955461221	-24.218360576979	VS	70	1
-46.783660130846	-24.182361641994	VS	250	1	-46.859647161319	-24.218202393397	VS	70	1
-46.783833031301	-24.182449755448	VS	250	1	-46.859428320632	-24.218088120666	VS	70	1
-46.784116943079	-24.182581307433	VS	250	1	-46.864136642356	-24.221099376143	VS	100	1
-46.78028689161	-24.179210365522	VS	250	1	-46.86411954383	-24.220781518288	VS	70	1
-46.780342340582	-24.179455840735	VS	250	1	-46.863791593339	-24.220623501645	VS	70	1
-46.780640809364	-24.17959624945	VS	250	1	-46.817285917511	-24.179742397553	VS	100	1
-46.780898930574	-24.179719229769	VS	250	1	-46.819071558426	-24.179647021546	VS	70	1
-46.781226927734	-24.179886349133	VS	250	1	-46.820871704022	-24.181097304665	VS	70	1
-46.78124069928	-24.179667540871	VS	250	1	-46.820823565289	-24.180286434703	VS	70	1
-46.780912572219	-24.179509154217	VS	250	1	-46.820562994092	-24.180065365759	VS	70	1
-46.780604699439	-24.179359758122	VS	250	1	-46.820292403	-24.179835447074	VS	70	1
-46.784292771713	-24.182676921492	VS	250	1	-46.820052229549	-24.179649829546	VS	70	1
-46.782270382617	-24.181702950698	VS	250	1	-46.818811201855	-24.179434872765	VS	70	1
-46.782078393172	-24.181603668092	VS	250	1	-46.818549649056	-24.179213332156	VS	70	1
-46.783725354643	-24.181900220785	VS	150	1	-46.818264017854	-24.178976767184	VS	70	1
-46.783546504006	-24.182222735105	VS	150	1	-46.817620504765	-24.179319058673	VS	70	1
-46.784375071256	-24.181415384517	VS	250	2	-46.817553989494	-24.179069823086	VS	70	1
-46.78458387688	-24.181520972343	VS	250	2	-46.820012885782	-24.18041608372	VS	70	1
-46.784841678062	-24.181643775608	VS	250	2	-46.863473342069	-24.220456533618	VS	70	1
-46.78505076482	-24.181749505893	VS	250	2	-46.863095994017	-24.220370411049	VS	70	1
-46.785388487488	-24.181916499043	VS	250	2	-46.862055333959	-24.219958119549	VS	100	1
-46.785636629296	-24.18203064898	VS	250	2	-46.861844481242	-24.220123906355	VS	100	1
-46.785879426506	-24.182160590407	VS	250	2	-46.821387067909	-24.182448774088	VS	70	1
-46.786352070454	-24.182391164114	VS	250	2	-46.821358864187	-24.177587688065	VS	70	1
-46.786630091464	-24.18252292721	VS	250	2	-46.821293191847	-24.178229520978	VS	70	1
-46.786848784342	-24.18263728789	VS	250	2	-46.821190424613	-24.178756363839	VS	70	1
-46.787108672316	-24.182753564034	VS	250	2	-46.821033703837	-24.178053058124	VS	70	1
-46.789220641643	-24.184027168444	VS	250	2	-46.820921127601	-24.17855308824	VS	70	1
-46.783313322107	-24.162763678765	VS	70	1	-46.82076417593	-24.177867754026	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.827166591897	-24.20381258495	VS	70	1	-46.82065113732	-24.178360846853	VS	70	1
-46.821591168178	-24.179694888828	VS	100	1	-46.820382070516	-24.178174364612	VS	70	1
-46.821352099203	-24.179948654228	VS	100	1	-46.820234531624	-24.177487990352	VS	70	1
-46.821234029466	-24.179973236115	VS	100	1	-46.820192775608	-24.178033412522	VS	70	1
-46.820978229335	-24.179764975385	VS	100	1	-46.819954976031	-24.177293826462	VS	70	1
-46.820718908978	-24.179557699573	VS	100	1	-46.834095675754	-24.15503123035	VS	70	1
-46.820452459839	-24.179344232002	VS	100	1	-46.820976577741	-24.162332656428	VS	100	1
-46.820212577974	-24.179150598553	VS	100	1	-46.821203891091	-24.162107055924	VS	100	1
-46.80401392979	-24.192934513899	VS	100	1	-46.821431321494	-24.1618781403	VS	100	1
-46.75418031742	-24.164367228791	VS	100	1	-46.81969549193	-24.177117361816	VS	70	1
-46.808935464452	-24.189896005468	VS	100	1	-46.818873323792	-24.17712266715	VS	70	1
-46.808883357245	-24.190116253629	VS	100	1	-46.818623053831	-24.17750464364	VS	70	1
-46.808724915894	-24.190465214102	VS	100	1	-46.818331375088	-24.177334820779	VS	70	1
-46.80883193972	-24.190449634471	VS	125	1	-46.816097805028	-24.17805467891	VS	100	1
-46.809050554625	-24.190563892339	VS	100	1	-46.818022381654	-24.177140881794	VS	100	1
-46.772796259544	-24.158919502871	VS	70	1	-46.819030442122	-24.178801083545	VS	100	1
-46.845856509737	-24.211618332617	VS	70	1	-46.818450868382	-24.178181856795	VS	100	1
-46.845618024305	-24.211802762023	VS	70	1	-46.818248989031	-24.17814680131	VS	100	1
-46.845471248985	-24.2118064968	VS	70	1	-46.817758376699	-24.177749033134	VS	100	1
-46.846154738586	-24.211767691356	VS	70	1	-46.817464965656	-24.177497440113	VS	100	1
-46.84645809967	-24.211919173333	VS	70	1	-46.817173163515	-24.177261019689	VS	100	1
-46.84566737032	-24.212039874538	VS	70	1	-46.816873961205	-24.177807163549	VS	100	1
-46.845889207422	-24.212279066824	VS	70	1	-46.816606854264	-24.177586774964	VS	70	1
-46.845373205831	-24.211966956922	VS	70	1	-46.81633623698	-24.177356840772	VS	70	1
-46.845200907725	-24.211684767017	VS	70	1	-46.816085710352	-24.17714460682	VS	100	1
-46.844794983553	-24.211229835477	VS	70	1	-46.816333869593	-24.177643898733	VS	100	1
-46.844568108776	-24.2111754803	VS	70	1	-46.816103871951	-24.177877645562	VS	100	1
-46.844911025673	-24.212312550147	VS	70	1	-46.816320161114	-24.178244211864	VS	100	1
-46.844716019395	-24.212074540641	VS	70	1	-46.816545378936	-24.178449357757	VS	100	1
-46.844493752298	-24.211817501148	VS	70	1	-46.817112491954	-24.178901831366	VS	100	1
-46.844281520456	-24.211569319083	VS	70	1	-46.81875984672	-24.178571162572	VS	70	1
-46.844069665535	-24.211338908977	VS	70	1	-46.818519343749	-24.178367781537	VS	70	1
-46.844329422428	-24.211333394506	VS	70	1	-46.81823454903	-24.178386536694	VS	70	1
-46.843908042234	-24.211152779563	VS	70	1	-46.818069839947	-24.178815951412	VS	70	1
-46.843816548453	-24.211693728832	VS	70	1	-46.81803313481	-24.178584385879	VS	70	1
-46.843746197846	-24.210957736002	VS	70	1	-46.818008697634	-24.177952342266	VS	70	1
-46.843574540599	-24.210762766711	VS	70	1	-46.817819393309	-24.178612530552	VS	70	1
-46.844680458563	-24.212494336026	VS	70	1	-46.817803188749	-24.178818082756	VS	70	1
-46.844065368804	-24.211521071604	VS	70	1	-46.817568651791	-24.178391375817	VS	70	1
-46.845161087026	-24.212129231806	VS	70	1	-46.817348202054	-24.178205692589	VS	70	1
-46.845179406362	-24.212369373565	VS	70	1	-46.817107702285	-24.17800230971	VS	70	1
-46.845382599946	-24.212577816834	VS	70	1	-46.815873998579	-24.178102144966	VS	100	1
-46.844998864256	-24.211455491653	VS	70	1	-46.815847372633	-24.177842546231	VS	70	1
-46.775550401588	-24.166607885815	VS	100	1	-46.815386650801	-24.177462389692	VS	100	1
-46.86041334385	-24.217675787937	VS	100	1	-46.815106169136	-24.177234562597	VS	100	1
-46.859909955713	-24.218030405321	VS	100	1	-46.815680096146	-24.177704664715	VS	70	1
-46.860752109348	-24.217795749793	VS	100	1	-46.815806664932	-24.181147667831	VS	70	1
-46.860518486681	-24.217506096832	VS	100	1	-46.814583557427	-24.180942445629	VS	250	1
-46.779257041644	-24.177102700143	VS	100	1	-46.814515897223	-24.181349197671	VS	250	1
-46.912025090599	-24.222262992119	VS	100	1	-46.814461204463	-24.181233695693	VS	250	1
-46.736021078528	-24.157499690768	VS	100	1	-46.717452964321	-24.142484951071	VS	100	1
-46.758473087828	-24.162542907872	VS	70	1	-46.813233863384	-24.179962894401	VS	70	1
-46.75812518785	-24.162358081228	VS	70	1	-46.812799515729	-24.179795186222	VS	70	1
-46.782703220843	-24.163154727538	VS	70	1	-46.815915689981	-24.182108829187	VS	250	1
-46.78257854105	-24.173937719052	VS	70	1	-46.816445949452	-24.182429507693	VS	250	1
-46.782912236751	-24.173723860414	VS	70	1	-46.816189067687	-24.182278569135	VS	250	1
-46.790063289391	-24.163998414813	VS	70	1	-46.81562011247	-24.181937549823	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.837322792221	-24.159716305786	VS	70	1	-46.815333495511	-24.181802174517	VS	250	1
-46.825027613263	-24.173329972251	VS	70	1	-46.815094324972	-24.181658807902	VS	250	1
-46.82530673957	-24.17350628117	VS	70	1	-46.81482789891	-24.181510715439	VS	250	1
-46.825576132957	-24.173691474069	VS	70	1	-46.815013869492	-24.182338067806	VS	100	1
-46.825855260893	-24.173867782184	VS	70	1	-46.811507092096	-24.185336978819	VS	100	1
-46.826094477091	-24.174017624381	VS	70	1	-46.811296609896	-24.185595641009	VS	100	1
-46.826354271246	-24.174204022554	VS	70	1	-46.812802041616	-24.185765142599	VS	100	1
-46.826583603956	-24.174344153315	VS	70	1	-46.812596625908	-24.18568045652	VS	100	1
-46.826872880408	-24.174538157113	VS	70	1	-46.812550193953	-24.185918885928	VS	100	1
-46.827131950522	-24.174696764842	VS	70	1	-46.812414161472	-24.185440930731	VS	100	1
-46.827187062127	-24.173801194682	VS	70	1	-46.812221886331	-24.185201486435	VS	100	1
-46.825955700917	-24.175178766389	VS	70	1	-46.812059693584	-24.184988574297	VS	100	1
-46.826204087884	-24.175354276417	VS	70	1	-46.81186720046	-24.184740206921	VS	100	1
-46.826444351703	-24.175496185933	VS	70	1	-46.811791943625	-24.185158576339	VS	100	1
-46.826683792165	-24.175654941609	VS	70	1	-46.811720805375	-24.185815810225	VS	100	1
-46.825939059383	-24.175381279601	VS	70	1	-46.811674489676	-24.18448288957	VS	100	1
-46.825786743231	-24.175578756156	VS	70	1	-46.811550043776	-24.18559174341	VS	100	1
-46.8255388478	-24.175884040111	VS	70	1	-46.811481998277	-24.184234512892	VS	100	1
-46.825304823633	-24.176173168502	VS	70	1	-46.811289507294	-24.183986145073	VS	100	1
-46.82472496224	-24.175571690382	VS	70	1	-46.811225320427	-24.185930496225	VS	100	1
-46.826439127012	-24.176690445554	VS	70	1	-46.799279926716	-24.193398987296	VS	250	1
-46.826169822432	-24.176514073547	VS	70	1	-46.798401385841	-24.193103061982	VS	250	1
-46.825996552363	-24.176403861632	VS	70	1	-46.80047934955	-24.19400400268	VS	250	1
-46.825686332728	-24.175002347098	VS	100	1	-46.800230295553	-24.19385418132	VS	250	1
-46.755947775974	-24.166276845933	VS	100	1	-46.799962830183	-24.193714021208	VS	250	1
-46.709736218869	-24.14276878243	VS	250	1	-46.799764468027	-24.193608739469	VS	250	1
-46.710108484517	-24.143008619226	VS	250	1	-46.799517038852	-24.193503806781	VS	250	1
-46.898004745807	-24.241430320534	VS	100	1	-46.799032359598	-24.193302777426	VS	250	1
-46.89932002908	-24.239939302603	VS	100	1	-46.798736468364	-24.193198362677	VS	250	1
-46.909025225667	-24.246890804221	VS	70	1	-46.798084587455	-24.19303375335	VS	250	1
-46.908847594777	-24.246690079449	VS	70	1	-46.797905643839	-24.192972371923	VS	250	1
-46.908662206566	-24.246485944682	VS	70	1	-46.797738062387	-24.19178637164	VS	250	1
-46.908504268221	-24.246305965329	VS	70	1	-46.797746393176	-24.192928484006	VS	250	1
-46.908266755441	-24.246076243592	VS	70	1	-46.797717340804	-24.192152347006	VS	250	1
-46.908549402704	-24.246069096488	VS	70	1	-46.797698960752	-24.192616452231	VS	250	1
-46.840668801648	-24.2111902566	VS	70	1	-46.797695294153	-24.192870967073	VS	250	1
-46.840517521817	-24.211448930308	VS	70	1	-46.797641294585	-24.19189188887	VS	250	1
-46.840818175314	-24.210929718286	VS	70	1	-46.797630568925	-24.192227910203	VS	250	1
-46.840864939353	-24.211205440059	VS	70	1	-46.797609189235	-24.192567207511	VS	250	1
-46.840620716262	-24.211058270221	VS	70	1	-46.797595519863	-24.19281713647	VS	250	1
-46.846486700501	-24.159379692602	VS	100	1	-46.797555820449	-24.19286806124	VS	250	1
-46.846319395055	-24.15960377233	VS	100	1	-46.801054034531	-24.191941574587	VS	100	1
-46.7864438921	-24.172971162146	VS	100	1	-46.799479065383	-24.191644682629	VS	100	1
-46.846833737978	-24.159137594516	VS	100	1	-46.798442293742	-24.191594318318	VS	100	1
-46.846205905826	-24.159562863131	VS	100	1	-46.7980797333	-24.191578409357	VS	100	1
-46.846132253967	-24.159385759364	VS	100	1	-46.800929001565	-24.191717469745	VS	100	1
-46.786331578091	-24.172658560591	VS	100	1	-46.800706101793	-24.191702292925	VS	100	1
-46.870076212616	-24.222613771116	VS	70	1	-46.800134527903	-24.192135902317	VS	100	1
-46.869825814515	-24.222794968184	VS	70	1	-46.799849050031	-24.191659909671	VS	100	1
-46.869564074031	-24.222974819677	VS	70	1	-46.799759869317	-24.192120790215	VS	100	1
-46.870404636263	-24.222388078606	VS	70	1	-46.799419168026	-24.192097030887	VS	100	1
-46.817257218543	-24.188651270796	VS	100	1	-46.799094287117	-24.191624412083	VS	100	1
-46.817462626465	-24.188613991915	VS	100	1	-46.799081627324	-24.192048248949	VS	100	1
-46.817804885485	-24.188557844008	VS	100	1	-46.798874228995	-24.191621202957	VS	100	1
-46.818136579781	-24.188492929915	VS	100	1	-46.798719608309	-24.191671073561	VS	100	1
-46.8185079221	-24.188418700137	VS	100	1	-46.79872780052	-24.192030022043	VS	100	1
-46.83774598164	-24.203936270425	VS	70	1	-46.79851312824	-24.19203159518	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.837089861745	-24.203602316121	VS	70	1	-46.798496472086	-24.191832931017	VS	100	1
-46.837426313855	-24.203548177243	VS	70	1	-46.798282167654	-24.192095820027	VS	100	1
-46.820267846599	-24.193672011649	VS	70	1	-46.797412278393	-24.191825625865	VS	100	1
-46.847605197541	-24.20929114599	VS	100	1	-46.795231844022	-24.192501081299	VS	100	1
-46.847285250415	-24.20799728465	VS	100	1	-46.797140938046	-24.192838082233	VS	250	1
-46.819846582757	-24.191817188083	VS	100	1	-46.797056571904	-24.191803322156	VS	100	1
-46.820423408925	-24.192759907415	VS	70	1	-46.796870778309	-24.192831358175	VS	250	1
-46.820454682883	-24.192473660806	VS	70	1	-46.796684757452	-24.191778291608	VS	100	1
-46.87094537264	-24.222009004319	VS	70	1	-46.796546259949	-24.19162565911	VS	100	1
-46.832314134662	-24.206915250631	VS	100	1	-46.796533626569	-24.191920316847	VS	100	1
-46.818412293491	-24.186755731761	VS	70	1	-46.796551693318	-24.192796423765	VS	250	1
-46.817636208787	-24.186831749119	VS	70	1	-46.796530827944	-24.192214786483	VS	100	1
-46.817305155028	-24.186860336727	VS	70	1	-46.796517583033	-24.192482560149	VS	100	1
-46.816880026652	-24.188327497305	VS	250	2	-46.796521812524	-24.192778801716	VS	250	1
-46.816796433467	-24.188522766445	VS	250	2	-46.796281642195	-24.191764233109	VS	100	1
-46.81660872221	-24.188824013946	VS	250	2	-46.796220337789	-24.192843635399	VS	250	1
-46.816788099551	-24.188735134175	VS	100	1	-46.8634352735	-24.210413270924	VS	250	1
-46.817112362768	-24.188679286575	VS	100	1	-46.882450335666	-24.232683427653	VS	70	1
-46.761880134614	-24.162595323637	VS	100	1	-46.795918520288	-24.191748375551	VS	100	1
-46.818095030761	-24.186226601149	VS	70	1	-46.79606364668	-24.192840955696	VS	250	1
-46.817769326254	-24.186224763737	VS	70	1	-46.795564714102	-24.191733180275	VS	100	1
-46.817408603433	-24.186240968833	VS	70	1	-46.795670788476	-24.192846084798	VS	250	1
-46.755503460137	-24.159706183023	VS	100	1	-46.795265612073	-24.191858411668	VS	100	1
-46.814215638651	-24.177932652316	VS	70	1	-46.795280198613	-24.192864447668	VS	250	1
-46.720911576038	-24.146892218346	VS	100	1	-46.795252790922	-24.192144029933	VS	100	1
-46.718352093558	-24.147841138173	VS	100	1	-46.795218384691	-24.192827063724	VS	100	1
-46.718250015414	-24.147832012613	VS	100	1	-46.795056106396	-24.192253302274	VS	100	1
-46.71849925623	-24.147990987479	VS	100	1	-46.794817123536	-24.192351055062	VS	100	1
-46.816807513425	-24.180910894031	VS	100	1	-46.794436656403	-24.192556485186	VS	100	1
-46.718702708537	-24.148120709922	VS	100	1	-46.839315671199	-24.20583872678	VS	70	1
-46.718820685803	-24.148140947044	VS	100	1	-46.839017465555	-24.205689348458	VS	70	1
-46.719138886327	-24.147897822765	VS	100	1	-46.839674473473	-24.206018857349	VS	70	1
-46.908831982834	-24.242886427755	VS	100	1	-46.803207771141	-24.192553608726	VS	100	1
-46.753987237969	-24.157180630396	VS	100	1	-46.802733156152	-24.193235306001	VS	100	1
-46.858006042374	-24.211716107307	VS	70	1	-46.802420201005	-24.192059783967	VS	100	1
-46.808738314302	-24.192672382359	VS	250	1	-46.805481927583	-24.193547755149	VS	250	1
-46.787731527531	-24.183061653306	VS	250	1	-46.801372588827	-24.191573737214	VS	100	1
-46.785037354427	-24.168455780706	VS	100	1	-46.801228229205	-24.191920614628	VS	100	1
-46.839279763965	-24.202481998362	VS	100	1	-46.804413426624	-24.192683728089	VS	100	1
-46.777508770351	-24.176339754799	VS	100	1	-46.804318464581	-24.192430188268	VS	100	1
-46.777119647928	-24.176128622507	VS	100	1	-46.804278235233	-24.19263620975	VS	100	1
-46.776758395797	-24.175936014481	VS	100	1	-46.804128108826	-24.192781967604	VS	100	1
-46.776456362085	-24.175786097209	VS	100	1	-46.804097754285	-24.192623127138	VS	100	1
-46.775878857475	-24.175495283612	VS	100	1	-46.803834564689	-24.192372827402	VS	100	1
-46.775602140312	-24.175352243125	VS	100	1	-46.803603079832	-24.192151134627	VS	100	1
-46.776754568413	-24.175858941437	VS	100	1	-46.803374367172	-24.191924054427	VS	100	1
-46.776955345872	-24.17572134281	VS	100	1	-46.803262887402	-24.191713929864	VS	100	1
-46.777148660688	-24.175587720117	VS	100	1	-46.80294843884	-24.192385981416	VS	100	1
-46.774948293219	-24.173095749729	VS	100	1	-46.802930072844	-24.192696441232	VS	100	1
-46.81138493858	-24.1853873697	VS	100	1	-46.802729590904	-24.192957338504	VS	100	1
-46.81929598376	-24.190268681774	VS	100	1	-46.802679342785	-24.192218490087	VS	100	1
-46.819249701674	-24.18835060851	VS	100	1	-46.802501341021	-24.193262314239	VS	100	1
-46.819114967757	-24.18802620751	VS	100	1	-46.802473919203	-24.193067752557	VS	100	1
-46.817073324741	-24.189375419428	VS	100	1	-46.802301806801	-24.193540412116	VS	100	1
-46.816770829051	-24.189387082814	VS	100	1	-46.802188095674	-24.191547472793	VS	100	1
-46.816529720671	-24.18939943261	VS	100	1	-46.830035129556	-24.193639853077	VS	70	1
-46.775166559065	-24.172942671818	VS	100	1	-46.802204822912	-24.192900251279	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.774733093189	-24.173250607305	VS	100	1	-46.802145144131	-24.191926946658	VS	100	1
-46.774466748123	-24.173435987348	VS	100	1	-46.802155545016	-24.193919496692	VS	100	1
-46.774166672725	-24.173666743937	VS	100	1	-46.802103933812	-24.193798395993	VS	100	1
-46.773886475152	-24.173874304412	VS	100	1	-46.801974132119	-24.192150879529	VS	100	1
-46.773394588152	-24.174216567874	VS	100	1	-46.801925697048	-24.192723907778	VS	100	1
-46.773645451899	-24.174045392672	VS	100	1	-46.801940150143	-24.194025106508	VS	100	1
-46.775107981651	-24.172716709254	VS	100	1	-46.801803229801	-24.192393027211	VS	100	1
-46.774404515178	-24.173622155308	VS	70	1	-46.801666939721	-24.192565472428	VS	100	1
-46.774214842135	-24.173409998801	VS	70	1	-46.801594666226	-24.191390108595	VS	100	1
-46.775876330886	-24.167926581608	VS	100	1	-46.801587433136	-24.193558079644	VS	100	1
-46.774345605896	-24.110249457824	VS	100	1	-46.80127873722	-24.191631183886	VS	100	1
-46.831265244893	-24.200676142661	VS	70	1	-46.801358249097	-24.193417048919	VS	100	1
-46.716267987451	-24.145571728295	VS	100	1	-46.898204004019	-24.228964254826	VS	100	1
-46.870804946032	-24.221483619684	VS	70	1	-46.89796266834	-24.229135764662	VS	100	1
-46.868120015105	-24.215696035559	VS	70	1	-46.896575120089	-24.228029998607	VS	70	1
-46.870507898689	-24.221693169884	VS	70	1	-46.801129200417	-24.193276102778	VS	100	1
-46.857824014479	-24.222345146814	VS	70	1	-46.800905741803	-24.193387844777	VS	100	1
-46.731769770002	-24.142883539268	VS	70	1	-46.800717494587	-24.193728352896	VS	100	1
-46.731451194407	-24.143108860424	VS	70	1	-46.800587510597	-24.193987414878	VS	100	1
-46.731142220862	-24.143325182034	VS	70	1	-46.79999439453	-24.193326264408	VS	100	1
-46.730891485834	-24.143514330689	VS	70	1	-46.801886402063	-24.193743193934	VS	100	1
-46.730341640996	-24.143919696246	VS	70	1	-46.801450761	-24.194606954746	VS	250	1
-46.729762311132	-24.14432530585	VS	70	1	-46.801246031924	-24.194488335807	VS	250	1
-46.730621400235	-24.143712501894	VS	70	1	-46.801026927545	-24.194347420348	VS	250	1
-46.730051869389	-24.144118044814	VS	70	1	-46.800807507002	-24.194206270501	VS	250	1
-46.789067697221	-24.159244795412	VS	100	1	-46.742594623722	-24.159555490341	VS	100	1
-46.729491948219	-24.144514586773	VS	70	1	-46.742851695335	-24.159717056902	VS	100	1
-46.865144823621	-24.216828941233	VS	70	1	-46.743144346293	-24.159869466264	VS	100	1
-46.864922740445	-24.21698234604	VS	70	1	-46.743497089962	-24.160050664151	VS	100	1
-46.754231630713	-24.159055088328	VS	100	1	-46.771297100056	-24.161404690325	VS	100	1
-46.77586763974	-24.15598811073	VS	70	1	-46.743748389258	-24.160186094625	VS	100	1
-46.775568707399	-24.156213380218	VS	70	1	-46.74404447155	-24.160350940507	VS	100	1
-46.76171631788	-24.164655284517	VS	70	1	-46.744322811718	-24.160500612956	VS	100	1
-46.789693673225	-24.15885694141	VS	100	1	-46.74462096533	-24.160659051684	VS	100	1
-46.789389089381	-24.159044064317	VS	100	1	-46.771026745878	-24.161594057398	VS	100	1
-46.786909403344	-24.183437040608	VS	250	1	-46.744909115467	-24.160808654739	VS	100	1
-46.786730121734	-24.183741732254	VS	250	1	-46.734177840743	-24.147007962594	VS	100	1
-46.786843458549	-24.183553519676	VS	250	1	-46.732906274026	-24.145509323346	VS	70	1
-46.78721028107	-24.182925431223	VS	250	1	-46.734006226422	-24.14680398986	VS	100	1
-46.84499577613	-24.210875089555	VS	70	1	-46.733128401012	-24.145775393988	VS	70	1
-46.779337007035	-24.18178711177	VS	100	1	-46.733784300617	-24.14654683293	VS	100	1
-46.878840057759	-24.230818108017	VS	100	1	-46.733577137148	-24.14614064158	VS	70	1
-46.7939787516	-24.184986697447	VS	100	1	-46.733572443787	-24.146298603469	VS	100	1
-46.83062411118	-24.183473766738	VS	100	1	-46.733629154599	-24.147466869087	VS	70	1
-46.830437241648	-24.183250457788	VS	100	1	-46.733350324558	-24.146032542517	VS	70	1
-46.867161842757	-24.21165088245	VS	70	1	-46.732255981527	-24.145825983979	VS	70	1
-46.867374383765	-24.211911091408	VS	70	1	-46.731716008234	-24.146231486133	VS	70	1
-46.778773501953	-24.179971049405	VS	250	1	-46.732488197177	-24.146092356104	VS	70	1
-46.778545002251	-24.179856748904	VS	250	1	-46.732926821923	-24.147650287861	VS	70	1
-46.780273509293	-24.172525443097	VS	100	1	-46.733339230244	-24.146304378381	VS	70	1
-46.780015448419	-24.172720034233	VS	100	1	-46.73319512053	-24.146952495215	VS	100	1
-46.838757578934	-24.210310645752	VS	70	1	-46.731953158542	-24.146510456488	VS	70	1
-46.838846704098	-24.210050101918	VS	70	1	-46.732730877005	-24.146402736511	VS	70	1
-46.838641819359	-24.210092037349	VS	70	1	-46.732684649624	-24.147366516975	VS	100	1
-46.83833373387	-24.209943017489	VS	70	1	-46.733078623615	-24.146493641541	VS	70	1
-46.753453398997	-24.162348887663	VS	70	1	-46.732972991751	-24.146686424397	VS	70	1
-46.788901627283	-24.178116518521	VS	70	1	-46.732199463243	-24.147097827586	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.791242317976	-24.186178624102	VS	250	1	-46.73219699292	-24.14679496894	VS	70	1
-46.791043336513	-24.186077526172	VS	250	1	-46.732442264292	-24.147073823668	VS	70	1
-46.791029971269	-24.186068221856	VS	250	1	-46.73278879892	-24.146692020707	VS	70	1
-46.790801505042	-24.185957869342	VS	250	1	-46.732499023643	-24.146890364538	VS	70	1
-46.888656117658	-24.226810138373	VS	70	1	-46.779991818971	-24.154494038236	VS	70	1
-46.88834382712	-24.227027473021	VS	70	1	-46.780242821261	-24.154305765704	VS	70	1
-46.791069056314	-24.176290698872	VS	100	1	-46.780504055894	-24.154121535678	VS	70	1
-46.783180721111	-24.173688770614	VS	100	1	-46.781303043772	-24.153586476705	VS	70	1
-46.84801056932	-24.21270455261	VS	70	1	-46.734287522138	-24.101301394986	VS	70	1
-46.878964093264	-24.23047083152	VS	100	1	-46.781551991592	-24.153395133429	VS	70	1
-46.877609787547	-24.231749543046	VS	100	1	-46.780329838003	-24.154981515259	VS	70	1
-46.790784646926	-24.185948982291	VS	250	1	-46.780707944328	-24.153989657709	VS	70	1
-46.790536283866	-24.185825925786	VS	250	1	-46.780827603837	-24.15374706838	VS	70	1
-46.790306433857	-24.185717932534	VS	250	1	-46.781046836958	-24.15377175821	VS	70	1
-46.901731027815	-24.230397276933	VS	70	1	-46.781848852114	-24.152938692581	VS	70	1
-46.902205725356	-24.230920110358	VS	70	1	-46.781837739198	-24.153186353514	VS	70	1
-46.902458415381	-24.231209558162	VS	70	1	-46.78061923986	-24.154792944567	VS	70	1
-46.812254567773	-24.148635497434	VS	70	1	-46.780860258855	-24.154612742988	VS	70	1
-46.834028268554	-24.180206032945	VS	70	1	-46.78101515161	-24.153938942718	VS	70	1
-46.857929313639	-24.223114291436	VS	70	1	-46.782070422272	-24.153179696882	VS	70	1
-46.857600229407	-24.222929181829	VS	70	1	-46.781145898244	-24.154401401356	VS	70	1
-46.886487731501	-24.229143760186	VS	70	1	-46.781217356038	-24.154179916758	VS	70	1
-46.886788220895	-24.228921873165	VS	70	1	-46.885274831882	-24.235220186368	VS	70	1
-46.887091112665	-24.228694352019	VS	70	1	-46.796012213028	-24.190159455796	VS	250	1
-46.887364183815	-24.228492134992	VS	70	1	-46.780611824498	-24.153504816371	VS	70	1
-46.904300802848	-24.224146187213	VS	70	1	-46.781365328102	-24.154325462762	VS	70	1
-46.904049035573	-24.223867434935	VS	70	1	-46.782275419134	-24.153405411164	VS	70	1
-46.903799209691	-24.223584587017	VS	70	1	-46.782432273119	-24.153481672746	VS	70	1
-46.903546128903	-24.223310072608	VS	70	1	-46.781599577426	-24.154075597091	VS	70	1
-46.90403872129	-24.222868872402	VS	70	1	-46.782214608415	-24.15363216802	VS	70	1
-46.723964443064	-24.138661390142	VS	70	1	-46.781929068042	-24.153840305206	VS	70	1
-46.723751958312	-24.138819163175	VS	70	1	-46.886498815201	-24.240395480654	VS	100	1
-46.723040749216	-24.13916728839	VS	70	1	-46.886700484775	-24.240608022345	VS	100	1
-46.722723768256	-24.139445194347	VS	70	1	-46.887717841782	-24.240555514426	VS	100	1
-46.722479346358	-24.139660623015	VS	70	1	-46.887392964704	-24.240397497659	VS	100	1
-46.81289350334	-24.178988409413	VS	70	1	-46.886960571152	-24.241110781082	VS	100	1
-46.813865540783	-24.179505605641	VS	70	1	-46.78060591598	-24.153296759187	VS	70	1
-46.854490533849	-24.208332050693	VS	70	1	-46.780315794826	-24.153486401217	VS	70	1
-46.854288628412	-24.208075939833	VS	70	1	-46.782787720034	-24.157809637277	VS	70	1
-46.775281074408	-24.179485643931	VS	70	1	-46.794888319819	-24.19050402426	VS	100	1
-46.775024366246	-24.179209797238	VS	70	1	-46.794696239784	-24.190850512402	VS	100	1
-46.777580202937	-24.145904952923	VS	70	1	-46.79463564174	-24.190368610399	VS	100	1
-46.777965883266	-24.145838096932	VS	70	1	-46.794514830609	-24.191066006926	VS	100	1
-46.815237389039	-24.175998311173	VS	100	1	-46.794555937073	-24.190470783425	VS	100	1
-46.779929924372	-24.11320593962	VS	70	1	-46.794226826204	-24.191464983457	VS	250	1
-46.772315075743	-24.153233315507	VS	100	1	-46.79427525551	-24.190740847259	VS	100	1
-46.77341757085	-24.158475821138	VS	70	1	-46.793957836753	-24.191055082079	VS	250	1
-46.773105078132	-24.158697219217	VS	70	1	-46.793998728316	-24.191004687169	VS	100	1
-46.77256453692	-24.159081816968	VS	70	1	-46.793710598549	-24.190772949623	VS	100	1
-46.77228490556	-24.159289023965	VS	70	1	-46.886864277045	-24.240796140606	VS	100	1
-46.772033978413	-24.159469313112	VS	70	1	-46.887220725376	-24.240921589089	VS	100	1
-46.841540528811	-24.172091840106	VS	70	1	-46.887676023588	-24.240716706416	VS	100	1
-46.789542893626	-24.185482025414	VS	250	1	-46.887247960084	-24.241167547779	VS	100	1
-46.789288829474	-24.185349198531	VS	250	1	-46.887878140612	-24.24095574936	VS	100	1
-46.789270187518	-24.185340766856	VS	250	1	-46.887396300579	-24.241334446282	VS	100	1
-46.789090395009	-24.185261447794	VS	250	1	-46.888100108733	-24.241194887578	VS	100	1
-46.789068194139	-24.185249464576	VS	250	1	-46.889116607396	-24.243324124403	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.788911334616	-24.185175414022	VS	250	1	-46.888544605024	-24.241699831212	VS	100	1
-46.788891742904	-24.185164783223	VS	250	1	-46.888917976968	-24.243048073964	VS	100	1
-46.892836718861	-24.23938415051	VS	100	1	-46.888795508648	-24.24197277918	VS	100	1
-46.788656609511	-24.185048680612	VS	250	1	-46.793632445099	-24.190697751986	VS	100	1
-46.788436925873	-24.184929903838	VS	250	1	-46.793343899834	-24.190469428402	VS	100	1
-46.788417472659	-24.184923730607	VS	250	1	-46.793038044003	-24.190312698031	VS	100	1
-46.788176630769	-24.184813284525	VS	250	1	-46.797168947688	-24.18976490011	VS	250	1
-46.893309844873	-24.239905318787	VS	100	1	-46.796905930298	-24.189901274977	VS	250	1
-46.787832889155	-24.184646066687	VS	250	1	-46.796622061183	-24.190020132544	VS	250	1
-46.892594343062	-24.239118300957	VS	100	1	-46.796246449697	-24.19012348108	VS	250	1
-46.789999850661	-24.185562259393	VS	250	1	-46.795723163052	-24.190161584823	VS	250	1
-46.789979360195	-24.185551757122	VS	250	1	-46.795403912189	-24.190100795819	VS	250	1
-46.789860943935	-24.185500832617	VS	250	1	-46.795151434491	-24.189993698039	VS	250	1
-46.789841304399	-24.185491652144	VS	250	1	-46.79524201127	-24.191701668642	VS	100	1
-46.789743122332	-24.185448265579	VS	250	1	-46.794594841383	-24.190439582132	VS	100	1
-46.789721775528	-24.185431825238	VS	250	1	-46.888992964013	-24.242198215228	VS	100	1
-46.892378695127	-24.238876905211	VS	100	1	-46.889019212463	-24.241989138587	VS	100	1
-46.789483076542	-24.185307249475	VS	250	1	-46.888028946743	-24.242047977607	VS	100	1
-46.89219017489	-24.238657611836	VS	100	1	-46.888007860555	-24.242742668658	VS	100	1
-46.789214993732	-24.185190389241	VS	250	1	-46.888689447734	-24.242796343191	VS	100	1
-46.788997037627	-24.185079126057	VS	250	1	-46.888264980841	-24.242309036923	VS	100	1
-46.788979344238	-24.185068151107	VS	250	1	-46.888292025948	-24.242536813263	VS	100	1
-46.891988257712	-24.238427460841	VS	100	1	-46.888464972715	-24.242542107104	VS	100	1
-46.788334402975	-24.184656945123	VS	250	1	-46.888818048698	-24.242149914165	VS	100	1
-46.788321327731	-24.184650488596	VS	250	1	-46.888562243094	-24.242329236292	VS	100	1
-46.788020781069	-24.184493419314	VS	250	1	-46.885676649625	-24.232224169571	VS	70	1
-46.788641286926	-24.184804830877	VS	250	2	-46.777929442165	-24.150603941884	VS	70	1
-46.787729622789	-24.184593558532	VS	250	1	-46.778515105764	-24.150884197564	VS	70	1
-46.787786881319	-24.184379017627	VS	250	1	-46.777187490604	-24.150797571579	VS	70	1
-46.787372378576	-24.184417978063	VS	250	2	-46.776879937848	-24.150648319833	VS	70	1
-46.787205827578	-24.184338347394	VS	250	2	-46.779022761538	-24.152244824108	VS	70	1
-46.786964961135	-24.184224536057	VS	250	2	-46.780547463582	-24.151197190679	VS	70	1
-46.78674646351	-24.184119097231	VS	250	2	-46.78027358107	-24.151396037219	VS	70	1
-46.78637894823	-24.183943329513	VS	250	2	-46.779984059919	-24.15160341156	VS	70	1
-46.784899062156	-24.183213923181	VS	250	2	-46.779431959013	-24.15200165766	VS	70	1
-46.787504226019	-24.184242475688	VS	250	2	-46.779410309087	-24.152146003426	VS	70	1
-46.787364950208	-24.184172038959	VS	250	2	-46.88521620591	-24.232535737115	VS	100	1
-46.78714646206	-24.184066600948	VS	250	2	-46.885014253542	-24.232305524022	VS	100	1
-46.786988013386	-24.183987762393	VS	250	2	-46.881819553344	-24.233943812933	VS	70	1
-46.786802375111	-24.183904609718	VS	250	2	-46.881570448089	-24.233780419039	VS	70	1
-46.786421715297	-24.183715252146	VS	250	2	-46.881634054313	-24.233912556823	VS	70	1
-46.786183162454	-24.183592118427	VS	250	2	-46.88329260148	-24.233979759113	VS	70	1
-46.841297607587	-24.171893899389	VS	70	1	-46.884679354651	-24.232879848088	VS	70	1
-46.840561550993	-24.172373251506	VS	70	1	-46.779604054975	-24.152379901715	VS	70	1
-46.842527796616	-24.168348548962	VS	70	1	-46.779803687195	-24.152456133795	VS	70	1
-46.842365224517	-24.168321866949	VS	70	1	-46.779804901208	-24.152583171813	VS	70	1
-46.83907134488	-24.164698111883	VS	70	1	-46.780107635039	-24.152262782458	VS	70	1
-46.839321885223	-24.164910300758	VS	70	1	-46.780387031295	-24.15204663476	VS	70	1
-46.837785876009	-24.167572269512	VS	70	1	-46.780686371035	-24.151839189052	VS	70	1
-46.845139528726	-24.169462608921	VS	70	1	-46.780900886886	-24.151868589518	VS	70	1
-46.844845925746	-24.169220716255	VS	70	1	-46.780947437989	-24.151641050716	VS	70	1
-46.8308824133	-24.157847017348	VS	70	1	-46.780686424899	-24.151622506662	VS	70	1
-46.830588300393	-24.157603123175	VS	70	1	-46.781087770159	-24.152075221866	VS	70	1
-46.830312139899	-24.157369547565	VS	70	1	-46.781041137194	-24.152311819252	VS	70	1
-46.836068808301	-24.163757405361	VS	70	1	-46.78129149474	-24.152308745557	VS	70	1
-46.83595171668	-24.163876733002	VS	70	1	-46.78133026475	-24.152098797154	VS	70	1
-46.849755341632	-24.141430822956	VS	70	1	-46.881851494128	-24.233748426462	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.849520423694	-24.141692550421	VS	70	1	-46.884478897706	-24.232633751737	VS	70	1
-46.849356344878	-24.141967350999	VS	70	1	-46.88378379581	-24.233656778105	VS	70	1
-46.849160396369	-24.142278159706	VS	70	1	-46.883574425097	-24.233399583345	VS	70	1
-46.848962539287	-24.142594479089	VS	70	1	-46.884237101513	-24.233257508575	VS	70	1
-46.850235459836	-24.140807151324	VS	70	1	-46.780786848328	-24.152501598442	VS	70	1
-46.849837485123	-24.142809338098	VS	70	1	-46.780500971091	-24.152705964081	VS	70	1
-46.850592548762	-24.141947532528	VS	70	1	-46.780226467778	-24.152893703624	VS	70	1
-46.850221943713	-24.14170853587	VS	70	1	-46.78020563874	-24.153027451802	VS	70	1
-46.849984401535	-24.141539792371	VS	70	1	-46.780393059888	-24.153247903025	VS	70	1
-46.849366805904	-24.140191252917	VS	70	1	-46.780866411001	-24.153107449931	VS	70	1
-46.851570929266	-24.141196381127	VS	70	1	-46.781155757239	-24.152891134708	VS	70	1
-46.851049682613	-24.14055898615	VS	70	1	-46.781387458599	-24.15272880436	VS	70	1
-46.851883887587	-24.141422715427	VS	70	1	-46.781434359791	-24.152469404455	VS	70	1
-46.847751642483	-24.151939777451	VS	70	1	-46.78166019828	-24.152727864643	VS	70	1
-46.848452539277	-24.162129200077	VS	70	1	-46.780045818249	-24.153684615652	VS	70	1
-46.848241108425	-24.161885110041	VS	70	1	-46.8840266356	-24.233012321731	VS	70	1
-46.84805474628	-24.161662269268	VS	70	1	-46.869783750464	-24.230753967578	VS	100	1
-46.847831954423	-24.161417048612	VS	70	1	-46.869513270482	-24.230943551713	VS	100	1
-46.858640987688	-24.166114839823	VS	70	1	-46.869820215317	-24.231618978541	VS	100	1
-46.858428107746	-24.165868539918	VS	70	1	-46.870044537481	-24.230573433364	VS	100	1
-46.858179248279	-24.165584312345	VS	70	1	-46.869485095092	-24.231428316881	VS	100	1
-46.857936867362	-24.165304300003	VS	70	1	-46.78162565597	-24.152535945906	VS	70	1
-46.857690219183	-24.165020131999	VS	70	1	-46.781907130383	-24.152334836882	VS	70	1
-46.857443497035	-24.164737981346	VS	70	1	-46.782213063045	-24.152121674229	VS	70	1
-46.857253649843	-24.164414946935	VS	70	1	-46.782535682753	-24.15189941616	VS	70	1
-46.857019774643	-24.164104184935	VS	70	1	-46.796998518897	-24.187376839977	VS	100	1
-46.819540676299	-24.182125018501	VS	70	1	-46.796825681419	-24.187173104615	VS	100	1
-46.81926719061	-24.181901527782	VS	70	1	-46.79662804236	-24.187283300315	VS	100	1
-46.819027502531	-24.181707311438	VS	70	1	-46.796377552134	-24.187194219487	VS	100	1
-46.819214211339	-24.182171174669	VS	70	1	-46.796090557564	-24.187142627349	VS	100	1
-46.833307894388	-24.173401642685	VS	70	1	-46.795771756445	-24.18706386578	VS	100	1
-46.83329472458	-24.173669430545	VS	70	1	-46.795466383479	-24.186975160518	VS	100	1
-46.829961321451	-24.176324684886	VS	70	1	-46.86920428839	-24.231160138617	VS	100	1
-46.785944866848	-24.183477908077	VS	250	2	-46.870525430219	-24.229251799155	VS	100	1
-46.772946921486	-24.174472136764	VS	100	1	-46.869221460431	-24.231277709832	VS	100	1
-46.784680568612	-24.183108472836	VS	250	2	-46.870107526333	-24.230233794559	VS	100	1
-46.784319876157	-24.182928048262	VS	250	2	-46.869994099957	-24.229621972345	VS	100	1
-46.784163884449	-24.182853494509	VS	250	2	-46.86976879956	-24.230048941566	VS	100	1
-46.783925659686	-24.182739328359	VS	250	2	-46.869733528116	-24.229811429714	VS	100	1
-46.783647434352	-24.182598638326	VS	250	2	-46.869463361819	-24.230000806109	VS	100	1
-46.783339227096	-24.182440266747	VS	250	2	-46.868719967934	-24.230533220998	VS	100	1
-46.783111142853	-24.182343816851	VS	250	2	-46.869286105249	-24.230132225538	VS	100	1
-46.78285275807	-24.182211897629	VS	250	2	-46.868961127536	-24.230361901891	VS	100	1
-46.782594586624	-24.182080083107	VS	250	2	-46.884012878422	-24.239521179684	VS	100	1
-46.782050182133	-24.181817198847	VS	250	2	-46.883773440156	-24.239371385256	VS	100	1
-46.781839430355	-24.181710787423	VS	250	2	-46.795207522412	-24.186762429102	VS	100	1
-46.781571237644	-24.181578946064	VS	250	2	-46.794936505811	-24.186523323756	VS	100	1
-46.781263446465	-24.181429589022	VS	250	2	-46.779999143635	-24.152806499048	VS	70	1
-46.781167519596	-24.18138596253	VS	250	2	-46.779693928502	-24.151802131278	VS	100	1
-46.780806654156	-24.181209916483	VS	250	2	-46.792863929081	-24.186131964716	VS	250	1
-46.772834720259	-24.174295046053	VS	100	1	-46.792760210177	-24.186311189196	VS	250	1
-46.781832808226	-24.181474094615	VS	250	2	-46.792434104222	-24.186335846616	VS	250	1
-46.781594260313	-24.181359745036	VS	250	2	-46.795980857575	-24.187653796008	VS	150	1
-46.781266539072	-24.181192777917	VS	250	2	-46.795783816371	-24.18782027469	VS	150	1
-46.781014422987	-24.181074463178	VS	250	2	-46.7957306938	-24.187544293251	VS	250	2
-46.780672023479	-24.180901146682	VS	250	2	-46.795682785958	-24.187874282899	VS	150	1
-46.780469146395	-24.181048906333	VS	250	2	-46.881380009957	-24.239515352799	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.780231673455	-24.180955690387	VS	250	2	-46.883493996848	-24.239186334228	VS	100	1
-46.779930879779	-24.180798077262	VS	250	2	-46.881507906474	-24.237899529178	VS	100	1
-46.779605298483	-24.180629218876	VS	250	2	-46.880820863412	-24.238324405341	VS	100	1
-46.779486864214	-24.180570479085	VS	250	2	-46.881767178161	-24.238066833167	VS	100	1
-46.779128308341	-24.180383846038	VS	250	2	-46.881189992162	-24.239365388542	VS	70	1
-46.778899633788	-24.180269450954	VS	250	2	-46.883214420041	-24.239001179968	VS	100	1
-46.778671123633	-24.180155150284	VS	250	2	-46.881120290291	-24.238518324629	VS	100	1
-46.778432596455	-24.180031997548	VS	250	2	-46.88290522038	-24.238807378254	VS	100	1
-46.778178827368	-24.179904662151	VS	250	2	-46.882846607426	-24.238255073838	VS	100	1
-46.777825492756	-24.179741918566	VS	250	2	-46.882046740781	-24.238251989292	VS	100	1
-46.777468580087	-24.179547628283	VS	250	2	-46.881409882623	-24.238712319454	VS	100	1
-46.780570955398	-24.180849822184	VS	250	1	-46.882336344088	-24.238445982726	VS	100	1
-46.780253559281	-24.180700656915	VS	250	2	-46.795472319572	-24.187985952644	VS	150	1
-46.780025056691	-24.180586358289	VS	250	2	-46.79538875357	-24.187321639145	VS	250	2
-46.829900144174	-24.176637463089	VS	70	1	-46.795231617754	-24.187985774811	VS	150	1
-46.838530524163	-24.172780592485	VS	70	1	-46.79516838574	-24.187135963821	VS	250	2
-46.839128985803	-24.172331454756	VS	70	1	-46.794938150102	-24.186950313075	VS	250	2
-46.839522484481	-24.172071363179	VS	70	1	-46.794959290503	-24.187845166847	VS	150	1
-46.839623163911	-24.172029709867	VS	70	1	-46.794727916098	-24.186782308788	VS	250	2
-46.83994317063	-24.17193156768	VS	70	1	-46.794615784522	-24.18767859121	VS	150	1
-46.840183411914	-24.17184779903	VS	70	1	-46.7945177398	-24.186614359956	VS	250	2
-46.839380120037	-24.171818401096	VS	70	1	-46.794347291518	-24.187555046989	VS	150	1
-46.829690701207	-24.180187813843	VS	70	1	-46.794118761591	-24.187440766244	VS	150	1
-46.847711213352	-24.208486648506	VS	70	1	-46.881466436271	-24.239256624459	VS	70	1
-46.852559259112	-24.205062234226	VS	70	1	-46.8826156153	-24.238613385689	VS	100	1
-46.852933500078	-24.205514280413	VS	70	1	-46.882566389955	-24.238444706318	VS	100	1
-46.853125247951	-24.205726918584	VS	70	1	-46.881701210014	-24.238873568025	VS	100	1
-46.851775723272	-24.205886904364	VS	70	1	-46.881998040391	-24.239064539218	VS	100	1
-46.851561691956	-24.205640630403	VS	70	1	-46.881708034957	-24.239094069914	VS	70	1
-46.851322516878	-24.206303183153	VS	70	1	-46.882296445343	-24.23865209048	VS	100	1
-46.851515785633	-24.206535249593	VS	70	1	-46.88203586782	-24.238841568811	VS	100	1
-46.851706980283	-24.206764301957	VS	70	1	-46.793907252599	-24.187342111251	VS	250	1
-46.853845425455	-24.206582270194	VS	70	1	-46.793172990787	-24.187057488175	VS	150	1
-46.853035183578	-24.207161697939	VS	70	1	-46.792977601796	-24.185943224159	VS	250	1
-46.851277248862	-24.20839601389	VS	70	1	-46.792949793081	-24.186994563021	VS	250	1
-46.860814410219	-24.211028077628	VS	70	1	-46.792952819144	-24.187132498246	VS	150	1
-46.860994892186	-24.21126172494	VS	70	1	-46.792784953646	-24.187045083043	VS	250	1
-46.861163355654	-24.211483098375	VS	70	1	-46.792751134749	-24.186897902748	VS	150	1
-46.861351832474	-24.211748610243	VS	70	1	-46.792552694638	-24.186810164902	VS	150	1
-46.861594806602	-24.212048018789	VS	70	1	-46.793536022537	-24.186145180404	VS	150	1
-46.86017791457	-24.215816663589	VS	70	1	-46.793398430952	-24.186388292697	VS	150	1
-46.854222701009	-24.214577423006	VS	70	1	-46.793264222084	-24.186628640311	VS	150	1
-46.870375757977	-24.227811749492	VS	70	1	-46.79312169046	-24.186879684803	VS	150	1
-46.881119320509	-24.222458580023	VS	70	1	-46.777566820854	-24.15479780312	VS	100	1
-46.881321000453	-24.222679826319	VS	70	1	-46.717905168624	-24.137442672053	VS	100	1
-46.881543761089	-24.222936762657	VS	70	1	-46.777036180987	-24.155167286903	VS	100	1
-46.881475211922	-24.222469259617	VS	70	1	-46.776804189463	-24.155329781735	VS	100	1
-46.882097219085	-24.222719303292	VS	70	1	-46.779915310677	-24.15478353186	VS	70	1
-46.758170824158	-24.1596599998	VS	70	1	-46.779819540833	-24.154505213963	VS	70	1
-46.75566661916	-24.157659608365	VS	70	1	-46.779685301928	-24.154120959412	VS	70	1
-46.755838674487	-24.157401447261	VS	70	1	-46.777306804236	-24.15570041373	VS	70	1
-46.756101161748	-24.157535240542	VS	70	1	-46.777249935706	-24.15574776528	VS	70	1
-46.761388801284	-24.164897918648	VS	70	1	-46.777004704539	-24.155926175607	VS	70	1
-46.778579819508	-24.153878799598	VS	70	1	-46.776734577326	-24.156124477966	VS	70	1
-46.778264970296	-24.153734829037	VS	70	1	-46.794773959201	-24.187114876265	VS	150	1
-46.798849256831	-24.157060339857	VS	70	1	-46.794619478112	-24.187287524285	VS	150	1
-46.798501219544	-24.157288208228	VS	70	1	-46.794506365621	-24.187484666383	VS	150	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.787983186014	-24.169882754351	VS	70	1	-46.780145134955	-24.155417429105	VS	70	1
-46.854410472454	-24.171335388572	VS	70	1	-46.780293014853	-24.155831524798	VS	70	1
-46.854136985087	-24.171027194627	VS	70	1	-46.780480978616	-24.156483501708	VS	70	1
-46.853817338462	-24.170671020972	VS	70	1	-46.794404085818	-24.187016831156	VS	150	1
-46.853664120683	-24.170501111284	VS	70	1	-46.794196929899	-24.187098649157	VS	250	1
-46.852481212349	-24.169175491124	VS	70	1	-46.793639652367	-24.187008333036	VS	150	1
-46.854850061332	-24.170960486836	VS	70	1	-46.793783236294	-24.186760535691	VS	150	1
-46.854548671126	-24.17061498193	VS	70	1	-46.793930654236	-24.186484264013	VS	150	1
-46.854226277392	-24.17027353905	VS	70	1	-46.793719113236	-24.187151680984	VS	150	1
-46.855013314048	-24.170340139021	VS	70	1	-46.793448981127	-24.187106816058	VS	150	1
-46.855346362153	-24.170643938986	VS	70	1	-46.793879792359	-24.186094403125	VS	250	2
-46.841853179521	-24.208970014693	VS	70	1	-46.794083453898	-24.186258367929	VS	250	2
-46.827797191078	-24.198960122112	VS	70	1	-46.794306863899	-24.186436906924	VS	250	2
-46.724499318287	-24.141922217977	VS	70	1	-46.793749088968	-24.187386568892	VS	150	1
-46.724676680942	-24.141656104845	VS	70	1	-46.793526210583	-24.187288464645	VS	250	1
-46.724646709619	-24.141450229144	VS	70	1	-46.793266204723	-24.187225252652	VS	150	1
-46.724872379662	-24.141092325077	VS	70	1	-46.73310826601	-24.156044974876	VS	100	1
-46.724867687347	-24.14085867932	VS	70	1	-46.792961548256	-24.187227576771	VS	150	1
-46.832053082853	-24.19348892365	VS	100	1	-46.792592371321	-24.187215169612	VS	150	1
-46.770240647962	-24.16663245777	VS	100	1	-46.792401614699	-24.187206153512	VS	150	1
-46.770139568363	-24.166829084584	VS	100	1	-46.792347375816	-24.18715459804	VS	100	1
-46.769869391011	-24.167018317751	VS	100	1	-46.79243083984	-24.186948758279	VS	100	1
-46.76957002371	-24.167234768901	VS	100	1	-46.792147924018	-24.187163742428	VS	150	1
-46.769338728601	-24.167405841913	VS	100	1	-46.794636285601	-24.18628466417	VS	250	1
-46.769124713387	-24.167560679706	VS	100	1	-46.794706411495	-24.187002277326	VS	250	1
-46.74906148548	-24.16403898075	VS	100	1	-46.792666036476	-24.186488549759	VS	250	1
-46.775871832607	-24.110156010567	VS	100	1	-46.78438169872	-24.157405926103	VS	70	1
-46.762338552348	-24.166405801461	VS	100	1	-46.784072966256	-24.157631285014	VS	70	1
-46.761984451784	-24.166225236036	VS	100	1	-46.73336947547	-24.155845633624	VS	100	1
-46.762564272876	-24.166523894618	VS	100	1	-46.734949441327	-24.154215254762	VS	100	1
-46.8712445531	-24.221792469409	VS	70	1	-46.733125713308	-24.155357655595	VS	100	1
-46.868440743325	-24.226055944395	VS	100	1	-46.733648504077	-24.15564845881	VS	100	1
-46.913829928492	-24.242605909609	VS	100	1	-46.734647657077	-24.154309795513	VS	100	1
-46.782504202425	-24.167906870203	VS	70	1	-46.733436294293	-24.155137916079	VS	100	1
-46.91029517072	-24.242779988447	VS	100	1	-46.733939910852	-24.155432706855	VS	100	1
-46.908884427216	-24.240748576658	VS	100	1	-46.733753914884	-24.154930408482	VS	100	1
-46.909177902609	-24.240517167963	VS	100	1	-46.734198406359	-24.155249894156	VS	100	1
-46.791363246502	-24.162267035907	VS	70	1	-46.734367582357	-24.154508133414	VS	100	1
-46.793628030913	-24.16145378685	VS	70	1	-46.735135018732	-24.154582850805	VS	100	1
-46.79302878342	-24.160484099998	VS	70	1	-46.78473063285	-24.156429576072	VS	70	1
-46.749714736473	-24.159828038305	VS	100	1	-46.784219415945	-24.156444692154	VS	70	1
-46.797785708721	-24.190454272857	VS	250	1	-46.783633681093	-24.15721698641	VS	70	1
-46.798425455133	-24.190239503025	VS	100	1	-46.784030910327	-24.156340869199	VS	70	1
-46.798712174725	-24.190243119713	VS	100	1	-46.78449084149	-24.156599359731	VS	70	1
-46.798101115219	-24.19022409999	VS	100	1	-46.783797124842	-24.15635755928	VS	70	1
-46.797705514928	-24.190346536684	VS	100	1	-46.783266525704	-24.156745170895	VS	70	1
-46.798370836287	-24.189801682256	VS	100	1	-46.784204581757	-24.156806831812	VS	70	1
-46.798039096023	-24.189742573444	VS	100	1	-46.783919998229	-24.157015593819	VS	70	1
-46.79876808406	-24.190515553466	VS	100	1	-46.783358657526	-24.157415256027	VS	70	1
-46.798736416619	-24.190745565739	VS	100	1	-46.783041991013	-24.157635326128	VS	70	1
-46.873979509076	-24.231515749563	VS	100	1	-46.782493521595	-24.158040822454	VS	70	1
-46.874291760449	-24.231298826112	VS	100	1	-46.73483583671	-24.154799118029	VS	100	1
-46.874538584347	-24.231129770082	VS	100	1	-46.734478697537	-24.155060470026	VS	100	1
-46.874849677353	-24.230920955632	VS	100	1	-46.734313436222	-24.154693000546	VS	100	1
-46.875158011999	-24.230715320483	VS	100	1	-46.73457998162	-24.154849435079	VS	100	1
-46.875233150232	-24.230669347514	VS	100	1	-46.782181044299	-24.158253829895	VS	70	1
-46.875113645112	-24.23052289641	VS	100	1	-46.781906265523	-24.158455276681	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.874786803591	-24.230312228852	VS	100	1	-46.781582361319	-24.158677459739	VS	70	1
-46.874571052257	-24.23023395262	VS	100	1	-46.783536736583	-24.15654679511	VS	100	1
-46.874506930859	-24.23032334074	VS	100	1	-46.781288322885	-24.158895294245	VS	100	1
-46.874194735077	-24.230538634486	VS	100	1	-46.781025566243	-24.159085162366	VS	100	1
-46.873880665007	-24.230757131501	VS	100	1	-46.780784424208	-24.159259265223	VS	100	1
-46.873568572202	-24.230969171598	VS	100	1	-46.778192043744	-24.111582452933	VS	100	1
-46.873260620063	-24.231190276649	VS	100	1	-46.783318682387	-24.112118639736	VS	100	1
-46.749761735267	-24.159915420761	VS	100	1	-46.783128675616	-24.112378774552	VS	100	1
-46.749600359164	-24.16014855578	VS	100	1	-46.782900477437	-24.112683824422	VS	100	1
-46.749399947034	-24.160196378792	VS	100	1	-46.782710220041	-24.112935080081	VS	100	1
-46.749062016273	-24.160020331298	VS	100	1	-46.782510603421	-24.113204216309	VS	100	1
-46.749718017166	-24.160363640199	VS	100	1	-46.782401181109	-24.109850330773	VS	100	1
-46.750045939089	-24.160539632488	VS	100	1	-46.782249315828	-24.110065602081	VS	100	1
-46.75029445118	-24.160671684516	VS	100	1	-46.782106671181	-24.110253999748	VS	100	1
-46.750592575819	-24.160830093489	VS	100	1	-46.781888195473	-24.110549895674	VS	100	1
-46.750400875638	-24.160856063902	VS	100	1	-46.781498089033	-24.111070612439	VS	100	1
-46.750249802442	-24.161081616594	VS	100	1	-46.781298702208	-24.111348643024	VS	100	1
-46.749426796363	-24.159687366191	VS	100	1	-46.781108424192	-24.111599914024	VS	100	1
-46.798392214692	-24.190721383283	VS	100	1	-46.781149577287	-24.113407249174	VS	100	1
-46.79803840028	-24.190706193852	VS	100	1	-46.780852012385	-24.11322301224	VS	100	1
-46.750695952967	-24.160408294699	VS	100	1	-46.780718734536	-24.112129267641	VS	100	1
-46.750290959503	-24.160118370082	VS	100	1	-46.780572385624	-24.113054886351	VS	100	1
-46.873879508206	-24.230050809946	VS	100	1	-46.780528692081	-24.112389442701	VS	100	1
-46.873682720724	-24.23018216459	VS	100	1	-46.780328938893	-24.112658752187	VS	100	1
-46.873429646525	-24.230352681557	VS	100	1	-46.780303254845	-24.112887212703	VS	100	1
-46.87314989162	-24.230552579231	VS	100	1	-46.780129566671	-24.112936772041	VS	100	1
-46.872870493489	-24.230741098284	VS	100	1	-46.779994432362	-24.112693214387	VS	100	1
-46.750002988827	-24.159977689056	VS	100	1	-46.779665879215	-24.112490492302	VS	100	1
-46.749981377723	-24.16112902075	VS	100	1	-46.779357068285	-24.112296502229	VS	100	1
-46.749683166544	-24.160970563088	VS	100	1	-46.779068333653	-24.11212020614	VS	100	1
-46.845068448201	-24.201623779488	VS	70	1	-46.778769595852	-24.111935085822	VS	100	1
-46.831006990348	-24.175975849744	VS	100	1	-46.778490875848	-24.111767639932	VS	100	1
-46.831130690528	-24.175688684698	VS	100	1	-46.777883314821	-24.111388498666	VS	100	1
-46.831135105056	-24.174968572574	VS	100	1	-46.783573925997	-24.111981326703	VS	70	1
-46.831139548938	-24.174604858607	VS	100	1	-46.78329498973	-24.111804975399	VS	70	1
-46.830383517594	-24.175862860138	VS	100	1	-46.78300652451	-24.11163766447	VS	70	1
-46.830520796559	-24.175576734855	VS	100	1	-46.782906890513	-24.125806653223	VS	100	1
-46.830508854523	-24.175204421757	VS	100	1	-46.783233933113	-24.125903332418	VS	100	1
-46.83053475254	-24.174862501477	VS	100	1	-46.782573501295	-24.125710609224	VS	100	1
-46.830534453208	-24.174495105457	VS	100	1	-46.782841362061	-24.109725948768	VS	100	1
-46.829698875541	-24.176108944015	VS	70	1	-46.783153773693	-24.109899727706	VS	100	1
-46.829832751123	-24.175097102479	VS	100	1	-46.777594574408	-24.111212209062	VS	100	1
-46.829815242873	-24.17476753561	VS	100	1	-46.777315669295	-24.11103584869	VS	100	1
-46.829766835335	-24.174396937581	VS	100	1	-46.777036953391	-24.110868400655	VS	100	1
-46.829801507811	-24.175782533219	VS	100	1	-46.776765121837	-24.110490003786	VS	100	1
-46.82989848169	-24.175480788578	VS	100	1	-46.776738362296	-24.110692152487	VS	100	1
-46.912227528085	-24.242158918352	VS	70	1	-46.776536896503	-24.110804247087	VS	100	1
-46.912532905101	-24.24194180795	VS	70	1	-46.776498740089	-24.110533088797	VS	100	1
-46.90312177163	-24.2338316292	VS	100	1	-46.855642670774	-24.214362497609	VS	70	1
-46.720679127623	-24.147346296692	VS	100	1	-46.776337210754	-24.111073453373	VS	100	1
-46.720150355745	-24.147926395274	VS	100	1	-46.776190920059	-24.110337642157	VS	100	1
-46.720690825464	-24.147539001834	VS	100	1	-46.77613735719	-24.111333693035	VS	100	1
-46.830780587432	-24.163682905855	VS	70	1	-46.775938092289	-24.11161155632	VS	100	1
-46.82840691229	-24.180184018354	VS	70	1	-46.783290617953	-24.114729541244	VS	100	1
-46.792268159614	-24.164415877547	VS	70	1	-46.782932134066	-24.114509165138	VS	100	1
-46.867465723835	-24.211548952375	VS	70	1	-46.782554097961	-24.114288986919	VS	100	1
-46.867742533529	-24.211301771801	VS	70	1	-46.782301159849	-24.113473459079	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867947211201	-24.211162089172	VS	70	1	-46.782155552036	-24.114033250535	VS	100	1
-46.868247888384	-24.211018991725	VS	70	1	-46.782092100833	-24.113760581318	VS	100	1
-46.868592854592	-24.210836874884	VS	70	1	-46.781902170309	-24.114020625977	VS	100	1
-46.868249501462	-24.211276137103	VS	70	1	-46.781826587723	-24.113830268585	VS	100	1
-46.86847623289	-24.211511917231	VS	70	1	-46.855430411589	-24.214114318701	VS	70	1
-46.868751729999	-24.211772843231	VS	70	1	-46.854678701405	-24.215110589794	VS	70	1
-46.868992920914	-24.212006905783	VS	70	1	-46.856124502594	-24.213983936439	VS	70	1
-46.868224931434	-24.211408307552	VS	70	1	-46.855537597965	-24.21348300935	VS	70	1
-46.868454337018	-24.211242337163	VS	70	1	-46.854791579496	-24.214007805259	VS	100	1
-46.868646317561	-24.211091236418	VS	70	1	-46.854542670161	-24.214187060619	VS	100	1
-46.868939365058	-24.21086778372	VS	70	1	-46.854279718506	-24.214368835847	VS	70	1
-46.868871797482	-24.211320733654	VS	70	1	-46.854038738436	-24.214549090833	VS	70	1
-46.869145035136	-24.211577973019	VS	70	1	-46.853826402259	-24.214702446575	VS	70	1
-46.787254869654	-24.177097400676	VS	100	1	-46.853584836136	-24.214864958771	VS	100	1
-46.844557657471	-24.204815061862	VS	100	1	-46.781488206977	-24.113618839274	VS	100	1
-46.843712345918	-24.203826709706	VS	100	1	-46.780892362918	-24.161226690702	VS	70	1
-46.872513074096	-24.22881408455	VS	100	1	-46.781510310885	-24.160793798776	VS	70	1
-46.867745594013	-24.22964868954	VS	100	1	-46.782057135835	-24.16286296234	VS	70	1
-46.837028589806	-24.160454901035	VS	100	1	-46.779424224416	-24.160235843511	VS	70	1
-46.832513381585	-24.160068116372	VS	100	1	-46.779683807237	-24.16004581863	VS	70	1
-46.840258555994	-24.172595787004	VS	70	1	-46.779953927726	-24.15984669084	VS	70	1
-46.834483274182	-24.180736967222	VS	70	1	-46.780234045031	-24.159654889754	VS	70	1
-46.834252974492	-24.180462443601	VS	70	1	-46.78049378	-24.15946017024	VS	70	1
-46.832445792835	-24.179426050115	VS	70	1	-46.853384162646	-24.215008786087	VS	70	1
-46.825851916346	-24.183029428509	VS	70	1	-46.852951224102	-24.21353569752	VS	70	1
-46.825659870951	-24.182685382957	VS	70	1	-46.85277246546	-24.212848517754	VS	70	1
-46.825834976036	-24.182612557428	VS	70	1	-46.852511911031	-24.213037947002	VS	100	1
-46.813599488469	-24.177386118593	VS	100	1	-46.852309167654	-24.213182311697	VS	70	1
-46.815573784104	-24.180496803358	VS	100	1	-46.852729370293	-24.213296513512	VS	70	1
-46.815856286988	-24.180675612005	VS	100	1	-46.852296727804	-24.213793859424	VS	70	1
-46.815278167178	-24.180329859365	VS	100	1	-46.852071947449	-24.213540971171	VS	70	1
-46.818028901244	-24.186798218961	VS	100	1	-46.851862133994	-24.213288581152	VS	70	1
-46.819708988561	-24.186119585041	VS	100	1	-46.851960853218	-24.212630573473	VS	70	1
-46.819742838821	-24.19301278082	VS	100	1	-46.78058340736	-24.161443127036	VS	70	1
-46.816796559724	-24.192694211594	VS	100	1	-46.781809575341	-24.160577344209	VS	70	1
-46.816369709574	-24.193767547404	VS	100	1	-46.781201317472	-24.161010253591	VS	70	1
-46.816230932144	-24.194022309272	VS	100	1	-46.782925589421	-24.160566436827	VS	70	1
-46.818135614527	-24.200821212711	VS	100	1	-46.783772378722	-24.159985359317	VS	70	1
-46.819213410001	-24.195799215088	VS	100	1	-46.784023213105	-24.159814071174	VS	70	1
-46.819584655044	-24.195892048724	VS	100	1	-46.782618762328	-24.160786119376	VS	70	1
-46.818216712808	-24.190858827685	VS	100	1	-46.782312863516	-24.160993682703	VS	70	1
-46.914544510371	-24.225752876592	VS	100	1	-46.782030551966	-24.161187347222	VS	70	1
-46.914019578125	-24.226132589	VS	100	1	-46.781799016461	-24.161449855206	VS	70	1
-46.843692383736	-24.214199851746	VS	100	1	-46.781526371587	-24.161657273864	VS	70	1
-46.843508264048	-24.213986229443	VS	100	1	-46.781260596782	-24.161839836577	VS	70	1
-46.883907819291	-24.230269458635	VS	100	1	-46.781050570093	-24.161991513679	VS	70	1
-46.885653417066	-24.230362078921	VS	100	1	-46.780830508012	-24.16213430238	VS	70	1
-46.885448062822	-24.230265687336	VS	100	1	-46.783141355527	-24.161367581399	VS	70	1
-46.884942333389	-24.230000579125	VS	100	1	-46.783392902776	-24.161195944801	VS	70	1
-46.885250629601	-24.230162098418	VS	100	1	-46.783719944818	-24.160997700779	VS	70	1
-46.88493080933	-24.230370691009	VS	100	1	-46.783907246627	-24.160883139218	VS	70	1
-46.884561706356	-24.230626348684	VS	100	1	-46.784390075058	-24.16054942623	VS	70	1
-46.887334997454	-24.227566090413	VS	100	1	-46.784167922262	-24.160702783158	VS	70	1
-46.887722748265	-24.227462595446	VS	100	1	-46.782629087313	-24.161719632819	VS	70	1
-46.844104778507	-24.202000530227	VS	100	1	-46.782299191758	-24.161918786782	VS	100	1
-46.845879278145	-24.202407370886	VS	100	1	-46.781982037389	-24.162119212427	VS	70	1
-46.844090603555	-24.203412455799	VS	100	1	-46.783421795121	-24.16190568838	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.813642576907	-24.188333364806	VS	100	1	-46.783164379719	-24.162081516977	VS	70	1
-46.813833960245	-24.188561811095	VS	100	1	-46.78292397313	-24.162270185659	VS	70	1
-46.814026681531	-24.188819100013	VS	100	1	-46.782569387319	-24.162500265517	VS	70	1
-46.814220676149	-24.189088270767	VS	100	1	-46.782324421511	-24.162670360607	VS	70	1
-46.814236576999	-24.188886894897	VS	100	1	-46.781805242415	-24.163035704501	VS	70	1
-46.857377395255	-24.210892575175	VS	100	1	-46.807034441067	-24.196491507577	VS	250	1
-46.857666279985	-24.210685857399	VS	100	1	-46.781576931639	-24.162968965658	VS	70	1
-46.847746062954	-24.21174158497	VS	100	1	-46.781356111874	-24.162712229334	VS	70	1
-46.849596755537	-24.211396659109	VS	100	1	-46.780921029756	-24.162215454473	VS	70	1
-46.849393419785	-24.211163629849	VS	100	1	-46.807243084901	-24.196333376134	VS	250	1
-46.887069127816	-24.200125024601	VS	100	1	-46.806776848594	-24.196633701711	VS	250	1
-46.887380753451	-24.199910246168	VS	100	1	-46.780567737999	-24.162321346573	VS	70	1
-46.859724981343	-24.225655872941	VS	100	1	-46.780273615496	-24.162527671565	VS	70	1
-46.866183954487	-24.228631744003	VS	100	1	-46.779998383761	-24.16271591997	VS	70	1
-46.865518018731	-24.219031511857	VS	100	1	-46.779731166578	-24.162906048788	VS	70	1
-46.847170471823	-24.202400118309	VS	70	1	-46.805764194884	-24.197368358215	VS	250	1
-46.88837472617	-24.237517385557	VS	100	1	-46.779464215354	-24.163086285169	VS	70	1
-46.824457951333	-24.193065785589	VS	100	1	-46.784597697203	-24.160419892027	VS	70	1
-46.8621714101	-24.2115859359	VS	100	1	-46.781149402661	-24.162679455542	VS	100	1
-46.910014268528	-24.242469060849	VS	100	1	-46.780881878477	-24.162867315141	VS	100	1
-46.90976127474	-24.242176268359	VS	100	1	-46.780602049787	-24.163053417773	VS	100	1
-46.909505835829	-24.241898142944	VS	100	1	-46.80598612444	-24.19575708878	VS	100	1
-46.909161942085	-24.242088980961	VS	100	1	-46.805890225323	-24.196122040924	VS	100	1
-46.908823646253	-24.242261592899	VS	100	1	-46.805681475901	-24.197208678052	VS	100	1
-46.909350207251	-24.241530383138	VS	100	1	-46.805434226167	-24.196492941229	VS	100	1
-46.711398911041	-24.142188720159	VS	100	1	-46.805249415584	-24.196382359397	VS	100	1
-46.711102550816	-24.14240928294	VS	100	1	-46.805183101891	-24.197182394861	VS	100	1
-46.710781657327	-24.14263340956	VS	100	1	-46.804952711049	-24.196721595823	VS	100	1
-46.71051415329	-24.142834147532	VS	100	1	-46.795560950026	-24.179668503237	VS	250	1
-46.710189107155	-24.143063411593	VS	100	1	-46.795752091467	-24.179344489237	VS	250	1
-46.710599472943	-24.143331753272	VS	100	1	-46.787054682846	-24.183190199111	VS	250	1
-46.710825295897	-24.143166218156	VS	100	1	-46.857612826021	-24.207753108853	VS	70	1
-46.711067920343	-24.142992374797	VS	100	1	-46.857383297384	-24.20762582211	VS	70	1
-46.711324159487	-24.14280298436	VS	100	1	-46.857193836558	-24.207642778033	VS	70	1
-46.711559586169	-24.142636347942	VS	100	1	-46.856917890892	-24.207835683533	VS	70	1
-46.711822665528	-24.142444192034	VS	100	1	-46.856696904212	-24.207960976039	VS	70	1
-46.711776140145	-24.142290399727	VS	100	1	-46.844885419571	-24.208743262727	VS	70	1
-46.71156740205	-24.142175882854	VS	100	1	-46.887712382664	-24.204157378859	VS	70	1
-46.710214771339	-24.143169972334	VS	100	1	-46.88578648897	-24.205315031028	VS	70	1
-46.710461121304	-24.143328426208	VS	100	1	-46.886008644024	-24.205563124266	VS	70	1
-46.712073972795	-24.142448758335	VS	100	1	-46.886220929354	-24.205811238836	VS	70	1
-46.712012731552	-24.142303458941	VS	100	1	-46.886433468368	-24.206068304424	VS	70	1
-46.910062506481	-24.23981787465	VS	100	1	-46.90513094677	-24.223547369522	VS	70	1
-46.910355743943	-24.239587006809	VS	100	1	-46.904874218878	-24.223273353895	VS	70	1
-46.910613510013	-24.239383216383	VS	100	1	-46.90461021519	-24.223008582337	VS	70	1
-46.910237270008	-24.239109739764	VS	100	1	-46.90434027228	-24.222744786506	VS	70	1
-46.908671588309	-24.240764665565	VS	100	1	-46.904818808964	-24.223752059851	VS	70	1
-46.908092828329	-24.240168307908	VS	100	1	-46.904568285638	-24.223469753288	VS	70	1
-46.862892789299	-24.211458733309	VS	100	1	-46.904374767316	-24.223257490639	VS	70	1
-46.860272835135	-24.22446693981	VS	100	1	-46.90418184699	-24.223041312671	VS	70	1
-46.862193614585	-24.224829220737	VS	100	1	-46.881156577764	-24.208332794373	VS	70	1
-46.861904510673	-24.224653042921	VS	100	1	-46.881368884925	-24.208580942844	VS	70	1
-46.861795114084	-24.223969027037	VS	100	1	-46.881605615313	-24.20886076013	VS	70	1
-46.890940573399	-24.201104254785	VS	100	1	-46.881874836083	-24.209177874485	VS	70	1
-46.891185390672	-24.201387296944	VS	100	1	-46.87993403882	-24.208846625644	VS	70	1
-46.891682739039	-24.201968880804	VS	100	1	-46.879595844053	-24.209072422492	VS	70	1
-46.85248744016	-24.214008698284	VS	100	1	-46.87934617176	-24.209527795502	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.8491898136	-24.210925020988	VS	100	1	-46.879589017257	-24.209820314209	VS	70	1
-46.850864338349	-24.211827758522	VS	100	1	-46.879831435596	-24.210094995544	VS	70	1
-46.850712154418	-24.21163758307	VS	100	1	-46.882485525303	-24.203890948757	VS	70	1
-46.850546847915	-24.211440711013	VS	100	1	-46.882700393255	-24.20413792898	VS	70	1
-46.850387028728	-24.211253798225	VS	100	1	-46.88291268826	-24.204386074593	VS	70	1
-46.850167984035	-24.211006167689	VS	100	1	-46.883114380028	-24.2046380986	VS	70	1
-46.849759098477	-24.21050955712	VS	100	1	-46.88388995523	-24.20428474322	VS	70	1
-46.851110347151	-24.21104567703	VS	100	1	-46.883600437012	-24.204492311689	VS	70	1
-46.850946724914	-24.210856280747	VS	100	1	-46.883329901314	-24.204672965157	VS	70	1
-46.85070219414	-24.210595756593	VS	100	1	-46.883059589242	-24.204862532389	VS	70	1
-46.850497074119	-24.210348903247	VS	100	1	-46.882738947376	-24.205080418842	VS	70	1
-46.851770760712	-24.210821383078	VS	100	1	-46.882507170475	-24.205251002474	VS	70	1
-46.883560300835	-24.230338489378	VS	100	1	-46.882243863628	-24.205429009163	VS	70	1
-46.873830430919	-24.216714938845	VS	100	1	-46.881278743124	-24.205821519822	VS	70	1
-46.846659143861	-24.162516695076	VS	100	1	-46.881043801678	-24.205541570769	VS	70	1
-46.827728814462	-24.199378990109	VS	100	1	-46.880800525389	-24.205263135897	VS	70	1
-46.831271256639	-24.165454677693	VS	100	1	-46.881500434104	-24.205949380732	VS	70	1
-46.831562616558	-24.165693403061	VS	100	1	-46.881165641735	-24.206166627603	VS	70	1
-46.83185684327	-24.165936173543	VS	100	1	-46.880909052168	-24.206326410874	VS	70	1
-46.863083242574	-24.216688061176	VS	100	1	-46.735809094201	-24.154265531698	VS	100	1
-46.858905921489	-24.209223980498	VS	100	1	-46.735697142461	-24.154214778268	VS	100	1
-46.859108145875	-24.209463306705	VS	100	1	-46.735443782465	-24.154060698244	VS	100	1
-46.859097972747	-24.209674624053	VS	100	1	-46.735206304787	-24.153953176163	VS	100	1
-46.735620583189	-24.086613625813	VS	100	1	-46.734915414342	-24.153787253142	VS	100	1
-46.734951584579	-24.088405135676	VS	70	1	-46.81792421632	-24.191179592492	VS	100	1
-46.7352788177	-24.087778847082	VS	70	1	-46.83964180764	-24.17126687467	VS	70	1
-46.733307601774	-24.091296047724	VS	70	1	-46.839899741668	-24.17147630874	VS	70	1
-46.734564547266	-24.088663167787	VS	70	1	-46.840194521873	-24.17171565505	VS	70	1
-46.733633742616	-24.090369846115	VS	70	1	-46.840452629806	-24.171925237378	VS	70	1
-46.723602928201	-24.132830364218	VS	70	1	-46.840702982981	-24.17212851256	VS	70	1
-46.719633156022	-24.135435847886	VS	100	1	-46.840862001105	-24.172282381092	VS	70	1
-46.713992008781	-24.143491042821	VS	100	1	-46.814373305051	-24.179893741592	VS	70	1
-46.714248611015	-24.143308058072	VS	100	1	-46.814056138065	-24.179784256698	VS	70	1
-46.714241909555	-24.143219277124	VS	100	1	-46.81547348068	-24.18097088263	VS	70	1
-46.86225062426	-24.210699533481	VS	100	1	-46.815290174421	-24.180861491849	VS	70	1
-46.862482041703	-24.210966311683	VS	100	1	-46.814818524774	-24.180589359075	VS	70	1
-46.862691642103	-24.211205843795	VS	100	1	-46.814557727335	-24.18044172772	VS	70	1
-46.881037054809	-24.234109245116	VS	100	1	-46.814272134204	-24.180341324918	VS	70	1
-46.878810252388	-24.234367266324	VS	100	1	-46.814047695073	-24.180257344633	VS	70	1
-46.877738284005	-24.224283597804	VS	100	1	-46.81375145567	-24.180154944118	VS	70	1
-46.854491053556	-24.217007948378	VS	250	1	-46.813468232591	-24.180059951585	VS	70	1
-46.814410155543	-24.191116664979	VS	100	1	-46.815724641359	-24.180872949998	VS	70	1
-46.796584039707	-24.19070760268	VS	100	1	-46.813774555388	-24.179677877675	VS	70	1
-46.796423526918	-24.190743865587	VS	100	1	-46.813697807173	-24.179896558687	VS	70	1
-46.796768575224	-24.190760502582	VS	100	1	-46.877511464578	-24.215350282299	VS	70	1
-46.796581287038	-24.191036613247	VS	100	1	-46.877819393644	-24.215137214524	VS	70	1
-46.796099108112	-24.190729952586	VS	100	1	-46.878449302622	-24.214704208409	VS	70	1
-46.795776088627	-24.190714436683	VS	100	1	-46.878138661847	-24.214924913239	VS	70	1
-46.795451729117	-24.190699027321	VS	100	1	-46.879352991123	-24.214033011073	VS	70	1
-46.795318411571	-24.190778396834	VS	100	1	-46.879665276735	-24.213810860133	VS	70	1
-46.79529768374	-24.191144370977	VS	100	1	-46.879936739392	-24.213614137701	VS	70	1
-46.795318172133	-24.190506770759	VS	100	1	-46.876606158824	-24.222109030145	VS	70	1
-46.795353300134	-24.190136253853	VS	100	1	-46.876883416751	-24.221904069592	VS	70	1
-46.795173572325	-24.190648659579	VS	100	1	-46.877151153862	-24.221714746169	VS	70	1
-46.7714272087	-24.155818692054	VS	70	1	-46.877230536589	-24.221675062901	VS	70	1
-46.771935841306	-24.155330144461	VS	70	1	-46.87757254819	-24.221423628144	VS	70	1
-46.771979034778	-24.155493462932	VS	70	1	-46.877881756262	-24.221215916257	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.77165073355	-24.155328225337	VS	70	1	-46.878171648463	-24.221017219283	VS	70	1
-46.771382597657	-24.155176639261	VS	70	1	-46.878460868439	-24.220791769703	VS	70	1
-46.771038375767	-24.155003800091	VS	70	1	-46.777938912566	-24.150101615022	VS	70	1
-46.771119046648	-24.155651479009	VS	70	1	-46.777702800081	-24.149984006613	VS	70	1
-46.771211992668	-24.155853052944	VS	70	1	-46.777236498138	-24.149705308021	VS	70	1
-46.771735926165	-24.155981006446	VS	70	1	-46.892445447255	-24.234978790288	VS	70	1
-46.771694252315	-24.155501632377	VS	70	1	-46.892085215429	-24.234767920619	VS	70	1
-46.771453151001	-24.155681851506	VS	70	1	-46.89182245795	-24.234645117061	VS	70	1
-46.833433911218	-24.190307264716	VS	70	1	-46.89159578933	-24.23453081762	VS	70	1
-46.833145043169	-24.190550570044	VS	70	1	-46.891274885089	-24.234385585898	VS	70	1
-46.832898407502	-24.190761608633	VS	70	1	-46.890958080629	-24.234237642261	VS	70	1
-46.833139655501	-24.190244983885	VS	70	1	-46.842844403516	-24.205293136886	VS	70	1
-46.832878223428	-24.189999555721	VS	70	1	-46.842195244774	-24.204293242382	VS	70	1
-46.832637209303	-24.189767038479	VS	70	1	-46.842188507454	-24.203875898173	VS	70	1
-46.83238576695	-24.189519142368	VS	70	1	-46.841873724173	-24.203723629043	VS	70	1
-46.832134757026	-24.189289091629	VS	70	1	-46.848099598356	-24.202621937574	VS	70	1
-46.833435930474	-24.189091741222	VS	70	1	-46.847743164848	-24.202464359792	VS	70	1
-46.832680782198	-24.188607967594	VS	70	1	-46.847398599816	-24.20229973003	VS	70	1
-46.832424143178	-24.188828406073	VS	70	1	-46.847050245887	-24.202114971134	VS	70	1
-46.832130728227	-24.189077698018	VS	70	1	-46.846702519816	-24.201948152897	VS	70	1
-46.831862984609	-24.189301338427	VS	70	1	-46.846394451777	-24.201781235799	VS	70	1
-46.776197545071	-24.174499429067	VS	100	1	-46.846056472134	-24.201623103539	VS	70	1
-46.775972555992	-24.174789305883	VS	100	1	-46.845758275346	-24.201473738941	VS	70	1
-46.775769987373	-24.174942504757	VS	100	1	-46.845460069209	-24.20132438259	VS	70	1
-46.775547838618	-24.175095818062	VS	100	1	-46.845141630054	-24.201166367499	VS	70	1
-46.775834326379	-24.17397081388	VS	100	1	-46.844823657283	-24.201007940801	VS	70	1
-46.77600143404	-24.174340234091	VS	70	1	-46.868921377566	-24.22662487591	VS	70	1
-46.830692569555	-24.151411497223	VS	100	1	-46.869201852284	-24.226413230008	VS	70	1
-46.830871687119	-24.151106731956	VS	100	1	-46.869495048488	-24.226207979176	VS	70	1
-46.831051034788	-24.150810880594	VS	100	1	-46.870508221554	-24.225489864534	VS	70	1
-46.831210893765	-24.15052419697	VS	100	1	-46.870200873905	-24.225708402008	VS	70	1
-46.8313712557	-24.15025527057	VS	100	1	-46.834627958982	-24.184586329777	VS	70	1
-46.834793516718	-24.154022402121	VS	70	1	-46.834348426753	-24.184828073412	VS	70	1
-46.831727797284	-24.189414005954	VS	70	1	-46.834125689565	-24.185018843253	VS	70	1
-46.831603373125	-24.189526346078	VS	70	1	-46.83383757443	-24.185259701618	VS	70	1
-46.831883897123	-24.189041778851	VS	70	1	-46.834041811008	-24.18383481381	VS	70	1
-46.832706268822	-24.188386887475	VS	70	1	-46.834311598805	-24.184111969961	VS	70	1
-46.832450880494	-24.188144635939	VS	70	1	-46.834581835705	-24.184373540157	VS	70	1
-46.832940682624	-24.188391783335	VS	70	1	-46.834832104408	-24.184588806653	VS	70	1
-46.833208106205	-24.1881694031	VS	70	1	-46.835103168743	-24.184861867289	VS	70	1
-46.718725474603	-24.139529462834	VS	100	1	-46.835352042296	-24.185108606294	VS	70	1
-46.718986022097	-24.139340268532	VS	100	1	-46.83562862396	-24.185371953565	VS	70	1
-46.719316770956	-24.139104841231	VS	100	1	-46.835905111379	-24.185636722419	VS	70	1
-46.719551027351	-24.138940988326	VS	100	1	-46.836143303433	-24.185862629412	VS	70	1
-46.719735724318	-24.138810325463	VS	100	1	-46.838570673137	-24.185361144679	VS	70	1
-46.71997288412	-24.138641567897	VS	100	1	-46.838301738833	-24.185099985805	VS	70	1
-46.720301197	-24.138401309555	VS	100	1	-46.833398009248	-24.203696097788	VS	70	1
-46.720569757012	-24.138206495132	VS	100	1	-46.837128754105	-24.204740305419	VS	70	1
-46.720594169061	-24.13880336885	VS	100	1	-46.837724926051	-24.205030135546	VS	70	1
-46.72025737645	-24.139039531083	VS	100	1	-46.838073096165	-24.205214829144	VS	70	1
-46.720026644824	-24.139033799025	VS	100	1	-46.84148848852	-24.202104126334	VS	70	1
-46.719855064301	-24.138829814797	VS	100	1	-46.84116024809	-24.201936287097	VS	70	1
-46.720006354278	-24.139219781805	VS	100	1	-46.843795095376	-24.2032626016	VS	70	1
-46.719736205107	-24.139417967026	VS	100	1	-46.843469502063	-24.203107488775	VS	70	1
-46.719465841895	-24.139607229573	VS	100	1	-46.842800984471	-24.202763175291	VS	70	1
-46.719272933901	-24.139751337408	VS	100	1	-46.843170839347	-24.202685925997	VS	70	1
-46.719002579168	-24.139940599206	VS	100	1	-46.843297125382	-24.207818769459	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.718728393729	-24.139875703205	VS	100	1	-46.842938033761	-24.207642064654	VS	70	1
-46.718390793145	-24.139476957469	VS	100	1	-46.843615885734	-24.209044395048	VS	70	1
-46.718445536703	-24.139727694976	VS	100	1	-46.843367406879	-24.20892140299	VS	70	1
-46.887860615148	-24.233316563591	VS	100	1	-46.843064807585	-24.208761641887	VS	70	1
-46.888168826685	-24.233465804391	VS	100	1	-46.842760820588	-24.20861375268	VS	70	1
-46.888477195293	-24.233623939158	VS	100	1	-46.842000156797	-24.208735546965	VS	70	1
-46.888793674296	-24.233776648466	VS	100	1	-46.768788493352	-24.159563899285	VS	70	1
-46.889156815058	-24.233957028846	VS	100	1	-46.768518305463	-24.159772379655	VS	70	1
-46.888224764914	-24.23414354643	VS	100	1	-46.768237763155	-24.159971538069	VS	70	1
-46.888481800461	-24.234117347539	VS	100	1	-46.767977378413	-24.160164584467	VS	70	1
-46.888703605362	-24.233951485142	VS	100	1	-46.767712302241	-24.160343751132	VS	70	1
-46.888983315973	-24.233744017875	VS	100	1	-46.776967627067	-24.110183062876	VS	70	1
-46.889205244682	-24.233581602254	VS	100	1	-46.777175297336	-24.109888688236	VS	70	1
-46.730730009009	-24.152607306801	VS	100	1	-46.777383253457	-24.109597539727	VS	70	1
-46.71820419429	-24.139898910516	VS	100	1	-46.777617495774	-24.109285372554	VS	70	1
-46.718742193226	-24.140138750073	VS	100	1	-46.775738321518	-24.111880876374	VS	70	1
-46.719649840203	-24.138576554658	VS	100	1	-46.775538536994	-24.112141026715	VS	70	1
-46.833354001622	-24.190467654958	VS	70	1	-46.780717231872	-24.151071615719	VS	70	1
-46.805638800491	-24.193312176221	VS	250	1	-46.780959983823	-24.150899422038	VS	70	1
-46.805253334267	-24.193853158928	VS	250	1	-46.781219153228	-24.150729025898	VS	70	1
-46.804921478721	-24.193611146247	VS	100	1	-46.781510650376	-24.150536137646	VS	70	1
-46.804622713847	-24.193434950838	VS	100	1	-46.781840826349	-24.150343337012	VS	70	1
-46.804343792002	-24.193267524637	VS	100	1	-46.782149716787	-24.15013598084	VS	70	1
-46.804074829366	-24.193091347771	VS	100	1	-46.872025721329	-24.22524485073	VS	70	1
-46.803804515297	-24.19321279248	VS	100	1	-46.868771940761	-24.226392465938	VS	70	1
-46.803614586265	-24.193481907045	VS	100	1	-46.782439931071	-24.149901943205	VS	70	1
-46.803530239044	-24.193728824411	VS	100	1	-46.782740464714	-24.149691099558	VS	70	1
-46.803414927742	-24.193750960264	VS	100	1	-46.783056861234	-24.149470218003	VS	70	1
-46.802982620911	-24.193402950124	VS	100	1	-46.872861337896	-24.220030633522	VS	70	1
-46.803759436339	-24.193869852527	VS	100	1	-46.873450325073	-24.219615449225	VS	70	1
-46.80402874576	-24.194046274055	VS	100	1	-46.873701268018	-24.219434990005	VS	70	1
-46.804297847142	-24.194213772737	VS	100	1	-46.874020076608	-24.219218286893	VS	70	1
-46.804606852599	-24.194407733135	VS	100	1	-46.874329060072	-24.219001658982	VS	70	1
-46.804895329287	-24.194574908718	VS	100	1	-46.874628451324	-24.2187940389	VS	70	1
-46.803261322256	-24.193561455892	VS	100	1	-46.874927608744	-24.218577485529	VS	70	1
-46.803765818526	-24.192897368526	VS	100	1	-46.875112485158	-24.218444117873	VS	70	1
-46.803487117424	-24.192738872795	VS	100	1	-46.875619162847	-24.218741457433	VS	70	1
-46.775780700006	-24.174189281149	VS	100	1	-46.875116846225	-24.219084554531	VS	70	1
-46.775556355168	-24.174184218497	VS	70	1	-46.9033285732	-24.224871207878	VS	70	1
-46.775342733524	-24.17433914766	VS	70	1	-46.903092136883	-24.224639654496	VS	70	1
-46.775030610504	-24.174538864175	VS	100	1	-46.902859905375	-24.22438276928	VS	70	1
-46.774794977525	-24.174714566653	VS	100	1	-46.902621209905	-24.224122364402	VS	70	1
-46.869705648807	-24.221472455499	VS	70	1	-46.903979235831	-24.224571429531	VS	70	1
-46.86933674038	-24.221737088212	VS	70	1	-46.903764104674	-24.224300606773	VS	70	1
-46.868742407546	-24.222159709433	VS	70	1	-46.903511763029	-24.224026003895	VS	70	1
-46.868398078212	-24.222403232906	VS	70	1	-46.903235572214	-24.223751019436	VS	70	1
-46.868425875172	-24.22251327567	VS	70	1	-46.903083328277	-24.223572895558	VS	70	1
-46.868622755203	-24.222611837755	VS	70	1	-46.778118727891	-24.112063224586	VS	70	1
-46.868829378782	-24.222719527497	VS	70	1	-46.778308566051	-24.111794139841	VS	70	1
-46.869089478207	-24.222855187348	VS	70	1	-46.778536928787	-24.111498082128	VS	70	1
-46.869062279274	-24.222719924096	VS	70	1	-46.784698478887	-24.115429867091	VS	70	1
-46.86932454605	-24.222536868949	VS	70	1	-46.784884559646	-24.115180197493	VS	70	1
-46.869588621808	-24.22235896568	VS	70	1	-46.785074817279	-24.114928939039	VS	70	1
-46.742165270823	-24.159940588935	VS	100	1	-46.785245661824	-24.11468674556	VS	70	1
-46.742847991816	-24.160306769429	VS	100	1	-46.785436126211	-24.114444408806	VS	70	1
-46.742839904271	-24.158370057344	VS	100	1	-46.783033880729	-24.115805478742	VS	70	1
-46.746067629447	-24.160374769237	VS	100	1	-46.775044857919	-24.154292692432	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.745807056513	-24.160564008953	VS	100	1	-46.775344200341	-24.154085267949	VS	70	1
-46.748217247455	-24.161248698987	VS	100	1	-46.775575889811	-24.153922965269	VS	70	1
-46.747928953532	-24.161090226473	VS	100	1	-46.83957463387	-24.201135901837	VS	70	1
-46.747630659085	-24.160931708635	VS	100	1	-46.839230147466	-24.20095968037	VS	70	1
-46.747317060362	-24.160767155292	VS	100	1	-46.775899921931	-24.153731361555	VS	70	1
-46.748837589386	-24.161560408989	VS	100	1	-46.776136384307	-24.153552980018	VS	70	1
-46.748269709342	-24.161849196311	VS	100	1	-46.776445117095	-24.153327637722	VS	70	1
-46.748633565273	-24.161706109975	VS	100	1	-46.776753748295	-24.153102363982	VS	70	1
-46.748527150055	-24.161875280373	VS	100	1	-46.777062478983	-24.152877020122	VS	70	1
-46.747291611306	-24.161717368033	VS	100	1	-46.770971587464	-24.157223490819	VS	70	1
-46.747593907096	-24.161224766682	VS	100	1	-46.77154851258	-24.15681494417	VS	70	1
-46.747417492616	-24.161618413741	VS	100	1	-46.77185471059	-24.156597819046	VS	70	1
-46.863805518665	-24.223263859533	VS	70	1	-46.77070186207	-24.157411956143	VS	70	1
-46.864608744975	-24.223023004997	VS	70	1	-46.770170988999	-24.157790610885	VS	70	1
-46.86491749876	-24.223199026956	VS	70	1	-46.76963997666	-24.158160288983	VS	70	1
-46.864289954766	-24.222838143925	VS	70	1	-46.769379230296	-24.158340652435	VS	70	1
-46.863991027119	-24.222662045603	VS	70	1	-46.77837403357	-24.152693725052	VS	70	1
-46.858929109047	-24.220787623395	VS	100	1	-46.778092558584	-24.152897964246	VS	70	1
-46.858758004233	-24.221020965122	VS	100	1	-46.77777184798	-24.153134473355	VS	70	1
-46.858554366296	-24.221291333734	VS	100	1	-46.77756863286	-24.153276310168	VS	70	1
-46.860666025437	-24.219021209684	VS	70	1	-46.777191874324	-24.153545370536	VS	70	1
-46.860947584132	-24.219173722536	VS	70	1	-46.762915591825	-24.172681599538	VS	100	1
-46.861276111956	-24.219361955913	VS	70	1	-46.776881380894	-24.153776156184	VS	70	1
-46.86158316736	-24.219520472465	VS	70	1	-46.778689070228	-24.152468633347	VS	70	1
-46.860807021763	-24.219255820853	VS	70	1	-46.775360802987	-24.154861726036	VS	70	1
-46.860588428783	-24.219561084631	VS	70	1	-46.775054757923	-24.155080468431	VS	70	1
-46.860417581972	-24.219803307821	VS	70	1	-46.774737975577	-24.155302392282	VS	70	1
-46.860227722433	-24.220072494669	VS	70	1	-46.774466285462	-24.155499772478	VS	70	1
-46.860009249611	-24.220377598273	VS	70	1	-46.774157258991	-24.15572511061	VS	70	1
-46.860083702973	-24.220532154515	VS	70	1	-46.773851973199	-24.155946927481	VS	70	1
-46.860323039993	-24.218851425549	VS	70	1	-46.773546666454	-24.15616875205	VS	70	1
-46.859846057968	-24.218615039908	VS	70	1	-46.773236705988	-24.156393115373	VS	70	1
-46.832456524066	-24.199027221742	VS	70	1	-46.772932218949	-24.156621903267	VS	70	1
-46.830384497714	-24.201551220647	VS	70	1	-46.772630166849	-24.156839389264	VS	70	1
-46.761955204931	-24.164487987156	VS	70	1	-46.852681187371	-24.205461201025	VS	70	1
-46.792614160746	-24.177653742357	VS	100	1	-46.852450409296	-24.205616866542	VS	70	1
-46.834959479722	-24.15373405976	VS	70	1	-46.851932967372	-24.205968795966	VS	70	1
-46.835129236318	-24.153447182289	VS	70	1	-46.85172521843	-24.206119958042	VS	70	1
-46.835289595633	-24.153178242198	VS	70	1	-46.851522506515	-24.206264314672	VS	70	1
-46.835459339915	-24.152891390898	VS	70	1	-46.851262237686	-24.206462631872	VS	70	1
-46.835612478609	-24.152642935945	VS	70	1	-46.850803148686	-24.206784348269	VS	70	1
-46.83448631066	-24.155232875087	VS	70	1	-46.850538870871	-24.206967389307	VS	70	1
-46.835293810255	-24.155532697579	VS	70	1	-46.850297318051	-24.20713109697	VS	70	1
-46.835453961195	-24.155254834932	VS	70	1	-46.849857866578	-24.20745732195	VS	70	1
-46.835631073222	-24.154997190106	VS	70	1	-46.849573059755	-24.207653406244	VS	70	1
-46.835790363115	-24.154719772241	VS	70	1	-46.849244316579	-24.207879288481	VS	70	1
-46.835944599287	-24.154439096392	VS	70	1	-46.850065013326	-24.207300917086	VS	70	1
-46.836104958607	-24.154170155402	VS	70	1	-46.84850410804	-24.208415131462	VS	70	1
-46.836489469947	-24.155934865937	VS	70	1	-46.848230403071	-24.208619468127	VS	70	1
-46.836683600312	-24.155621225795	VS	70	1	-46.846646420635	-24.209720443076	VS	70	1
-46.836872319599	-24.155307455436	VS	70	1	-46.846174463631	-24.210062636797	VS	70	1
-46.837051456282	-24.154993413832	VS	70	1	-46.735231615439	-24.152428926425	VS	100	1
-46.837239956288	-24.154679979425	VS	70	1	-46.734675013947	-24.152129564959	VS	70	1
-46.837418983505	-24.154356836884	VS	70	1	-46.786820421662	-24.178627106406	VS	250	1
-46.821084040408	-24.159623664774	VS	70	1	-46.786691364413	-24.178706614132	VS	250	1
-46.82132068444	-24.159413700883	VS	70	1	-46.731331706652	-24.151872092539	VS	100	1
-46.821544512385	-24.159178158058	VS	70	1	-46.727059054891	-24.149618330564	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.821755624251	-24.158980304616	VS	100	1	-46.798461181837	-24.161982615726	VS	70	1
-46.829245726747	-24.167131888337	VS	100	1	-46.900911299492	-24.226639728394	VS	70	1
-46.83042771759	-24.166722921955	VS	100	1	-46.900691084085	-24.226387464924	VS	70	1
-46.829172913839	-24.16528437263	VS	100	1	-46.900487591865	-24.226156733064	VS	70	1
-46.838077334305	-24.16621390092	VS	100	1	-46.857590510388	-24.161042255854	VS	70	1
-46.83784663567	-24.166010466011	VS	100	1	-46.857336281523	-24.160758756562	VS	70	1
-46.836764552131	-24.165108698888	VS	100	1	-46.85714825672	-24.160571061843	VS	70	1
-46.835231708269	-24.163826893219	VS	100	1	-46.85648921952	-24.160834153464	VS	70	1
-46.834991514868	-24.163632562975	VS	100	1	-46.8489784088	-24.159696995032	VS	70	1
-46.750798622815	-24.16383780995	VS	100	1	-46.848698554077	-24.159895514709	VS	70	1
-46.750154159926	-24.163332014999	VS	100	1	-46.848428508587	-24.160093940512	VS	70	1
-46.7505903666	-24.164881138946	VS	100	1	-46.848139024601	-24.160301483202	VS	70	1
-46.757734830459	-24.169953588135	VS	100	1	-46.84784957033	-24.160508989979	VS	70	1
-46.756412970584	-24.169258381004	VS	100	1	-46.847270941122	-24.160932890161	VS	70	1
-46.756985040209	-24.168447772583	VS	100	1	-46.84954760193	-24.159291042748	VS	70	1
-46.759393079633	-24.170139419113	VS	100	1	-46.85093472216	-24.162644051593	VS	70	1
-46.758611396551	-24.169754831449	VS	100	1	-46.851214540919	-24.162445545139	VS	70	1
-46.834541785802	-24.205940322709	VS	100	1	-46.851523625119	-24.162237872304	VS	70	1
-46.834556333731	-24.206155917628	VS	100	1	-46.8518516799	-24.162003296986	VS	70	1
-46.764603358613	-24.164802971214	VS	100	1	-46.852150507826	-24.16177785172	VS	70	1
-46.764350848127	-24.164968379492	VS	100	1	-46.759769131172	-24.164327460573	VS	100	1
-46.763706059176	-24.164740703397	VS	100	1	-46.794232560742	-24.185674478004	VS	100	1
-46.764080477582	-24.165157722664	VS	100	1	-46.76885598609	-24.167748463433	VS	100	1
-46.763790910524	-24.165365049204	VS	100	1	-46.817704290817	-24.184401367639	VS	250	2
-46.763552529988	-24.165553892845	VS	100	1	-46.912792736589	-24.240757406413	VS	100	1
-46.763264126383	-24.165395398313	VS	100	1	-46.912502493088	-24.240582816578	VS	100	1
-46.733007019504	-24.155443681508	VS	100	1	-46.912166548638	-24.240391199446	VS	100	1
-46.732956788809	-24.155455003934	VS	100	1	-46.911882895431	-24.240216605576	VS	100	1
-46.732676341008	-24.155305677883	VS	100	1	-46.788548297027	-24.156839547693	VS	100	1
-46.732458628967	-24.155155458669	VS	100	1	-46.788311102672	-24.156986311262	VS	100	1
-46.732777831777	-24.154938829028	VS	100	1	-46.788116953099	-24.157107118249	VS	100	1
-46.893079328175	-24.239658977539	VS	100	1	-46.831402752185	-24.161367146634	VS	70	1
-46.891119285735	-24.238447630756	VS	100	1	-46.833862363339	-24.162054012812	VS	70	1
-46.889945217418	-24.236954389736	VS	100	1	-46.833573797381	-24.161801655169	VS	70	1
-46.836948527299	-24.158682751751	VS	100	1	-46.83325077525	-24.161536750623	VS	70	1
-46.746490628714	-24.158259668059	VS	100	1	-46.832952334204	-24.161282327654	VS	70	1
-46.746625175852	-24.158244448246	VS	100	1	-46.832656842086	-24.161038191116	VS	70	1
-46.746456272976	-24.158156455267	VS	100	1	-46.832443056849	-24.160856409589	VS	70	1
-46.746148294181	-24.157998079674	VS	100	1	-46.832152463326	-24.160617320147	VS	70	1
-46.745879979482	-24.157857264662	VS	100	1	-46.831862908481	-24.160370495814	VS	70	1
-46.745363613748	-24.157602245107	VS	100	1	-46.831651706056	-24.160197899336	VS	70	1
-46.745204501671	-24.157514172828	VS	100	1	-46.831393279436	-24.159980218811	VS	70	1
-46.744876685121	-24.157347009681	VS	100	1	-46.831136897601	-24.159764352049	VS	70	1
-46.744605018819	-24.157202763355	VS	100	1	-46.830849174762	-24.159520840162	VS	70	1
-46.744649044013	-24.157670046559	VS	100	1	-46.833612171677	-24.160993056946	VS	70	1
-46.74436700934	-24.15751845999	VS	100	1	-46.833340996555	-24.159908112105	VS	70	1
-46.744854345917	-24.157785365377	VS	100	1	-46.833077997656	-24.159688623104	VS	70	1
-46.745294438552	-24.158015978673	VS	100	1	-46.908836509721	-24.243485282216	VS	70	1
-46.745533691929	-24.158145434783	VS	100	1	-46.838053986693	-24.202796881849	VS	70	1
-46.745831861757	-24.158303880171	VS	100	1	-46.818818321723	-24.194577319612	VS	70	1
-46.746106578502	-24.158443368603	VS	100	1	-46.818619758086	-24.194432457025	VS	70	1
-46.746448006617	-24.158629535654	VS	100	1	-46.818372075973	-24.194263614026	VS	70	1
-46.746196965878	-24.158716996867	VS	100	1	-46.818167698873	-24.19416074091	VS	70	1
-46.746064610243	-24.158932086856	VS	100	1	-46.81782380363	-24.193993327706	VS	70	1
-46.745896173721	-24.158954698724	VS	100	1	-46.817473347062	-24.193827311233	VS	70	1
-46.745598002407	-24.158796253251	VS	100	1	-46.841244231495	-24.166539932287	VS	70	1
-46.745289808698	-24.158628953585	VS	100	1	-46.840947374121	-24.16629459063	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.744981615862	-24.158461653402	VS	100	1	-46.840362441968	-24.165801071326	VS	70	1
-46.744957442726	-24.158040696194	VS	100	1	-46.840076408676	-24.16555690758	VS	70	1
-46.744806084769	-24.158282678994	VS	100	1	-46.839822303903	-24.165340619129	VS	70	1
-46.744620631351	-24.158271826566	VS	100	1	-46.839540843017	-24.165092495179	VS	70	1
-46.744355658643	-24.158136051827	VS	100	1	-46.842957735665	-24.16378354123	VS	70	1
-46.744064889274	-24.157977927778	VS	100	1	-46.842700662235	-24.16357356889	VS	70	1
-46.746194403841	-24.159113172379	VS	100	1	-46.842410980961	-24.163330662424	VS	70	1
-46.745903628719	-24.159183096972	VS	100	1	-46.842153941405	-24.163123034479	VS	70	1
-46.745798490826	-24.159494086922	VS	100	1	-46.841863475434	-24.162884388446	VS	70	1
-46.745490372294	-24.159326834633	VS	100	1	-46.841573822956	-24.162640994619	VS	70	1
-46.745202224349	-24.159177233029	VS	100	1	-46.84128601791	-24.162410661156	VS	70	1
-46.744894030454	-24.15900993251	VS	100	1	-46.845045815639	-24.169799953645	VS	70	1
-46.744605884047	-24.158860329967	VS	100	1	-46.848919638586	-24.210919557287	VS	70	1
-46.744430640077	-24.158822499807	VS	100	1	-46.848615998456	-24.211134049649	VS	70	1
-46.744616599033	-24.158578644492	VS	100	1	-46.848343445297	-24.211327841307	VS	70	1
-46.744357536954	-24.158728355364	VS	100	1	-46.848059307487	-24.211533848594	VS	70	1
-46.744039322039	-24.158552208658	VS	100	1	-46.903954550356	-24.248185012342	VS	70	1
-46.743758627665	-24.158410241686	VS	100	1	-46.90427845822	-24.247953336667	VS	70	1
-46.745756949522	-24.159426212167	VS	100	1	-46.904505262187	-24.247788578184	VS	70	1
-46.733048399372	-24.154758484201	VS	100	1	-46.904881500264	-24.247508882829	VS	70	1
-46.733318842629	-24.154569156031	VS	100	1	-46.903666653251	-24.248400139081	VS	70	1
-46.733565870117	-24.154382525102	VS	100	1	-46.903347615215	-24.248700037939	VS	70	1
-46.733814439892	-24.154411773519	VS	100	1	-46.903010564804	-24.248934187941	VS	70	1
-46.734054585598	-24.154550421364	VS	100	1	-46.902680379265	-24.249193408053	VS	70	1
-46.733568835183	-24.154264461944	VS	100	1	-46.902381602143	-24.249383379601	VS	70	1
-46.733285297508	-24.154097605968	VS	100	1	-46.902113543814	-24.249610795637	VS	70	1
-46.732990250731	-24.153943878023	VS	100	1	-46.901822843162	-24.249873855884	VS	70	1
-46.732614358548	-24.153729744614	VS	100	1	-46.901592696971	-24.250069599554	VS	70	1
-46.733869005675	-24.154172663968	VS	100	1	-46.901352397802	-24.250270352537	VS	70	1
-46.734110565343	-24.154010355523	VS	100	1	-46.901075226323	-24.250520224166	VS	70	1
-46.734217834233	-24.153934547493	VS	100	1	-46.900787687401	-24.250760023345	VS	70	1
-46.734432650394	-24.153942330537	VS	100	1	-46.900501491534	-24.251008495993	VS	70	1
-46.734184403757	-24.153819206324	VS	100	1	-46.900202003238	-24.251259278074	VS	70	1
-46.733926135989	-24.153687218464	VS	100	1	-46.913215798983	-24.241452134317	VS	70	1
-46.733655260021	-24.153532284593	VS	100	1	-46.91291648713	-24.241661700256	VS	70	1
-46.941256321683	-24.182891325305	VS	100	1	-46.912722533025	-24.241793761377	VS	70	1
-46.818280881386	-24.149390989318	VS	100	1	-46.911885002922	-24.242616467839	VS	70	1
-46.768498537445	-24.161265908523	VS	100	1	-46.91159178723	-24.242453247149	VS	70	1
-46.768184806391	-24.161487458639	VS	100	1	-46.911334456003	-24.24232194594	VS	70	1
-46.767883182409	-24.161709831293	VS	100	1	-46.910956237478	-24.242131171794	VS	70	1
-46.767577520235	-24.161936625846	VS	100	1	-46.910633682827	-24.241948233846	VS	70	1
-46.767269673683	-24.162158120872	VS	100	1	-46.910328195778	-24.241719977159	VS	70	1
-46.767181427455	-24.162226485634	VS	100	1	-46.91180412111	-24.241250483621	VS	70	1
-46.766901534311	-24.162424793262	VS	70	1	-46.91210734194	-24.241028482957	VS	70	1
-46.76664119827	-24.162622985822	VS	70	1	-46.882940363902	-24.218939500347	VS	70	1
-46.766332219575	-24.162839389341	VS	70	1	-46.882752611919	-24.219199003991	VS	70	1
-46.831270900301	-24.163198712006	VS	70	1	-46.838703727001	-24.196641928458	VS	70	1
-46.831510713365	-24.162964807967	VS	70	1	-46.838432298418	-24.196512181582	VS	70	1
-46.781055189197	-24.165369110387	VS	100	1	-46.838086475766	-24.196340890316	VS	70	1
-46.773233194334	-24.168230894072	VS	100	1	-46.837736461	-24.196175217925	VS	70	1
-46.773244216527	-24.170563856684	VS	100	1	-46.829347119516	-24.201876200493	VS	70	1
-46.77295913915	-24.16840900814	VS	100	1	-46.908701871361	-24.245394556105	VS	70	1
-46.775840390524	-24.166418370668	VS	100	1	-46.908469811628	-24.24514659674	VS	70	1
-46.776101138115	-24.166237997004	VS	100	1	-46.908237565754	-24.244889741686	VS	70	1
-46.775533509451	-24.151826933033	VS	70	1	-46.908005104593	-24.244623981144	VS	70	1
-46.775182782186	-24.152982086128	VS	100	1	-46.907783315255	-24.244393780916	VS	70	1
-46.769635590675	-24.156738600034	VS	100	1	-46.907543755758	-24.24412004728	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.770154974495	-24.156381373489	VS	100	1	-46.90733249981	-24.243845660266	VS	70	1
-46.770918322803	-24.156193840699	VS	70	1	-46.908189236899	-24.245098635914	VS	70	1
-46.77063998119	-24.156044223746	VS	70	1	-46.832833719905	-24.184141177381	VS	70	1
-46.727345341196	-24.147661924911	VS	100	1	-46.832586204771	-24.183902442381	VS	70	1
-46.770756391229	-24.161783414868	VS	100	1	-46.832347218538	-24.183668935557	VS	70	1
-46.769958047104	-24.162355966326	VS	100	1	-46.832106748215	-24.183433945226	VS	70	1
-46.769652233775	-24.162579046662	VS	100	1	-46.842189667717	-24.206383262745	VS	70	1
-46.769344572963	-24.162805374652	VS	100	1	-46.84250677189	-24.205852647668	VS	70	1
-46.77023393036	-24.162014904742	VS	100	1	-46.84266967929	-24.205580331537	VS	70	1
-46.868370107719	-24.187192409212	VS	100	1	-46.733166473943	-24.152850149903	VS	100	1
-46.851045506902	-24.208558439403	VS	100	1	-46.733501523393	-24.153031151283	VS	100	1
-46.84831718662	-24.20722182706	VS	70	1	-46.733745020749	-24.153164952771	VS	100	1
-46.848751653825	-24.207726982304	VS	100	1	-46.734450513223	-24.152676551162	VS	100	1
-46.847119304932	-24.210470270184	VS	100	1	-46.734147647225	-24.152899719184	VS	100	1
-46.749365072427	-24.160794501679	VS	100	1	-46.733906444785	-24.153079419552	VS	100	1
-46.815649583216	-24.19515829153	VS	100	1	-46.738013676546	-24.155347569856	VS	100	1
-46.791117624387	-24.185455373015	VS	250	1	-46.717806422257	-24.143461579927	VS	100	1
-46.779183307707	-24.16290966219	VS	70	1	-46.794847527891	-24.189892778857	VS	150	1
-46.784264743931	-24.159648087721	VS	70	1	-46.811159872261	-24.18055890835	VS	100	1
-46.797852917805	-24.189588517236	VS	250	1	-46.811558547072	-24.180605700466	VS	100	1
-46.889111711488	-24.244281562312	VS	250	1	-46.810599761013	-24.180544050985	VS	100	1
-46.8893859483	-24.208645681166	VS	100	1	-46.810865781044	-24.180542050624	VS	100	1
-46.888721892723	-24.232725744433	VS	100	1	-46.80960497704	-24.180559302068	VS	100	1
-46.888445713728	-24.232597379162	VS	100	1	-46.810186781645	-24.180559929085	VS	100	1
-46.861234899875	-24.223147915466	VS	100	1	-46.814995331045	-24.180174536266	VS	100	1
-46.860991590638	-24.223318109215	VS	100	1	-46.809291834848	-24.180563924667	VS	100	1
-46.919016429757	-24.233151592644	VS	100	1	-46.81567046125	-24.18273025731	VS	100	1
-46.770870613648	-24.172824955812	VS	100	1	-46.822949287719	-24.181357648966	VS	100	1
-46.761069371636	-24.166842401405	VS	100	1	-46.814029634054	-24.185843418252	VS	100	1
-46.760780825076	-24.166662414106	VS	100	1	-46.813835119967	-24.186123332517	VS	100	1
-46.760925995241	-24.166593673259	VS	100	1	-46.814415379584	-24.185221558709	VS	100	1
-46.761109729726	-24.16647633915	VS	100	1	-46.814226280574	-24.185537325839	VS	100	1
-46.761341685055	-24.166322968637	VS	100	1	-46.8152339382	-24.194900344227	VS	100	1
-46.770151976937	-24.172432481929	VS	100	1	-46.812956338042	-24.185682762782	VS	100	1
-46.785430659703	-24.178611277972	VS	100	1	-46.82095829033	-24.195424207404	VS	100	1
-46.78520316221	-24.178952021424	VS	100	1	-46.820618734612	-24.195593270175	VS	100	1
-46.785098934575	-24.179131992435	VS	100	1	-46.818856304036	-24.19322819128	VS	100	1
-46.785031421966	-24.17926061667	VS	100	1	-46.819021746542	-24.194734965023	VS	100	1
-46.784851834103	-24.17916347531	VS	100	1	-46.821397566613	-24.191746127287	VS	100	1
-46.784613802755	-24.179040616077	VS	100	1	-46.819211555059	-24.192663860192	VS	100	1
-46.784285662232	-24.178864610322	VS	100	1	-46.820483359728	-24.18876626338	VS	100	1
-46.783938113999	-24.17868887778	VS	100	1	-46.821170846155	-24.191983909875	VS	100	1
-46.784128189442	-24.178623188879	VS	100	1	-46.822646901886	-24.187609061237	VS	100	1
-46.784292080574	-24.178359320842	VS	100	1	-46.822484422949	-24.187845617153	VS	100	1
-46.784492394045	-24.178045215837	VS	100	1	-46.822885024834	-24.187034334649	VS	100	1
-46.784526918784	-24.177956203963	VS	100	1	-46.822826143663	-24.187335873289	VS	100	1
-46.784689743085	-24.178094434793	VS	100	1	-46.851162401595	-24.140763090694	VS	100	1
-46.784998534162	-24.177653010554	VS	100	1	-46.846299765494	-24.142565856457	VS	100	1
-46.785020866035	-24.178271757269	VS	100	1	-46.854392061489	-24.17045237388	VS	100	1
-46.785296419986	-24.17842891386	VS	100	1	-46.853893208287	-24.169945293307	VS	100	1
-46.785869205587	-24.178730807207	VS	100	1	-46.855577420544	-24.164769083256	VS	100	1
-46.786227366775	-24.178921606246	VS	100	1	-46.853518739864	-24.17035203513	VS	100	1
-46.786127575021	-24.178809635705	VS	100	1	-46.828844699043	-24.178797622674	VS	100	1
-46.787312584672	-24.178920686413	VS	100	1	-46.826384418485	-24.179295786296	VS	100	1
-46.787366513865	-24.184905784536	VS	250	1	-46.829443160077	-24.178373621956	VS	100	1
-46.795933778754	-24.183870411906	VS	100	1	-46.829153635542	-24.178581083054	VS	100	1
-46.795708968061	-24.184135739831	VS	100	1	-46.842413357028	-24.171401461134	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.800377227741	-24.191686543802	VS	100	1	-46.832688040636	-24.179700785805	VS	100	1
-46.800076706324	-24.191669701337	VS	100	1	-46.84284295603	-24.17103828081	VS	100	1
-46.800020351878	-24.191590501185	VS	100	1	-46.842122614844	-24.171153843999	VS	100	1
-46.800163526567	-24.191325663829	VS	100	1	-46.841966696156	-24.170317446109	VS	100	1
-46.800234917982	-24.19108910206	VS	100	1	-46.842548959766	-24.170796751726	VS	100	1
-46.800040371043	-24.190918561476	VS	100	1	-46.840424035761	-24.168918265844	VS	100	1
-46.79980978834	-24.190967751946	VS	100	1	-46.841919579916	-24.170493832275	VS	100	1
-46.799796978296	-24.191253354008	VS	100	1	-46.838032531883	-24.167326433139	VS	100	1
-46.799771174958	-24.190791490013	VS	100	1	-46.840163997997	-24.169162514454	VS	100	1
-46.799424463133	-24.190776085132	VS	100	1	-46.835481694695	-24.169024635537	VS	100	1
-46.799100102055	-24.190760674479	VS	100	1	-46.835175898006	-24.16878607124	VS	100	1
-46.714316344775	-24.139303270753	VS	100	1	-46.836910391829	-24.169864880959	VS	100	1
-46.827930573297	-24.176475030592	VS	70	1	-46.835745729208	-24.169229544946	VS	100	1
-46.828302022633	-24.17561128245	VS	100	1	-46.837038216599	-24.17093702383	VS	100	1
-46.887445384257	-24.242247450221	VS	100	1	-46.836764911022	-24.171215759043	VS	100	1
-46.88763701781	-24.242451144753	VS	100	1	-46.837539703907	-24.17043893345	VS	100	1
-46.887811436426	-24.242657501847	VS	100	1	-46.837275815296	-24.170714338858	VS	100	1
-46.888020738286	-24.242893682817	VS	100	1	-46.838047572021	-24.16992640922	VS	100	1
-46.888243087132	-24.243133309363	VS	100	1	-46.83779844826	-24.17017815528	VS	100	1
-46.888465752634	-24.243390616568	VS	100	1	-46.824474059238	-24.171791862473	VS	100	1
-46.887933597326	-24.243724970949	VS	100	1	-46.833055160005	-24.175181773096	VS	100	1
-46.887711364312	-24.24347685351	VS	100	1	-46.826481965126	-24.173071562434	VS	100	1
-46.887489478949	-24.243237815831	VS	100	1	-46.824109432849	-24.171560265151	VS	100	1
-46.88727678937	-24.242989289054	VS	100	1	-46.827641878454	-24.173224280041	VS	100	1
-46.887043130755	-24.242732061489	VS	100	1	-46.826763966766	-24.17325197783	VS	100	1
-46.886831875692	-24.24248453786	VS	100	1	-46.828297118135	-24.176541507977	VS	100	1
-46.886644082364	-24.242277060312	VS	100	1	-46.827406581315	-24.173540741667	VS	100	1
-46.887287886264	-24.24378984778	VS	100	1	-46.827939640954	-24.175216941728	VS	100	1
-46.887012006104	-24.243575531516	VS	100	1	-46.828250134957	-24.175897022512	VS	100	1
-46.88698951763	-24.243500392389	VS	100	1	-46.827417908829	-24.174887088418	VS	100	1
-46.886675004064	-24.243331536665	VS	100	1	-46.827690514213	-24.175058337213	VS	100	1
-46.886400850929	-24.243143044371	VS	100	1	-46.823631183792	-24.171385660218	VS	100	1
-46.886129346295	-24.242955696345	VS	100	1	-46.823840678813	-24.171110791525	VS	100	1
-46.8875884992	-24.244025219459	VS	100	1	-46.823254350552	-24.171790069389	VS	100	1
-46.887852474754	-24.244221459149	VS	100	1	-46.823456596169	-24.171604099039	VS	100	1
-46.887256161023	-24.243270171223	VS	100	1	-46.820605567947	-24.171710760042	VS	100	1
-46.888387302465	-24.237698569789	VS	100	1	-46.820366659284	-24.171552443693	VS	100	1
-46.888674233891	-24.237883932015	VS	100	1	-46.821082379537	-24.172030564877	VS	100	1
-46.88808789107	-24.237484269042	VS	100	1	-46.820846600149	-24.171868467183	VS	100	1
-46.887819139617	-24.23731458168	VS	100	1	-46.821647294058	-24.17239836256	VS	100	1
-46.887532401596	-24.237136427503	VS	100	1	-46.821365559152	-24.17222032615	VS	100	1
-46.887239640073	-24.236960309847	VS	100	1	-46.824978052494	-24.174534897769	VS	100	1
-46.887003566991	-24.236815327338	VS	100	1	-46.824649116365	-24.174323366632	VS	100	1
-46.888112660305	-24.237717988737	VS	100	1	-46.826622186307	-24.177928654604	VS	250	1
-46.887847611999	-24.237912550752	VS	100	1	-46.825177375406	-24.174658285166	VS	100	1
-46.887697288309	-24.238160168686	VS	100	1	-46.819600454533	-24.174458527041	VS	100	1
-46.887956352659	-24.238309785019	VS	100	1	-46.819545289398	-24.173078166563	VS	100	1
-46.888206776031	-24.238465154081	VS	100	1	-46.821690636513	-24.175765992374	VS	100	1
-46.887338409186	-24.237948855361	VS	100	1	-46.819788184674	-24.174220141667	VS	100	1
-46.887039196127	-24.237763870634	VS	100	1	-46.822646014645	-24.179390574631	VS	100	1
-46.886725175366	-24.237573696787	VS	100	1	-46.822898912228	-24.179081223765	VS	100	1
-46.886404240439	-24.23738970985	VS	100	1	-46.819290797996	-24.179013231836	VS	100	1
-46.88752548782	-24.238142670247	VS	100	1	-46.815536676905	-24.187168208329	VS	100	1
-46.853264489566	-24.212770241548	VS	70	1	-46.815241088137	-24.187146736112	VS	100	1
-46.853463912493	-24.213005702487	VS	70	1	-46.815180123757	-24.1869782641	VS	100	1
-46.853235259017	-24.212515041971	VS	70	1	-46.814955159783	-24.187130713194	VS	100	1
-46.911021549249	-24.243053395983	VS	150	1	-46.81471303094	-24.187128715118	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.910645174398	-24.243316073395	VS	150	1	-46.814684292019	-24.186919737004	VS	100	1
-46.908380270147	-24.240463887546	VS	100	1	-46.814469010315	-24.187132876618	VS	100	1
-46.831744859597	-24.155207794199	VS	70	1	-46.814201700621	-24.187123973106	VS	100	1
-46.807548936544	-24.192162301312	VS	100	1	-46.814162717257	-24.186917823695	VS	100	1
-46.860558916439	-24.2246458873	VS	70	1	-46.840364963226	-24.168060169666	VS	100	1
-46.790720686909	-24.175333704885	VS	100	1	-46.835319502571	-24.188699036504	VS	100	1
-46.788825595774	-24.15939483163	VS	100	1	-46.836837104363	-24.18652017021	VS	100	1
-46.730085084297	-24.154486225543	VS	100	1	-46.836570762268	-24.186263380006	VS	100	1
-46.73038253058	-24.154643632297	VS	100	1	-46.836306938965	-24.18599686684	VS	100	1
-46.907237753044	-24.22238070226	VS	100	1	-46.834920933708	-24.184347964792	VS	100	1
-46.814763707781	-24.192564013116	VS	100	1	-46.835122209499	-24.184160627377	VS	100	1
-46.815078972188	-24.192036893364	VS	100	1	-46.835406688946	-24.183917475605	VS	100	1
-46.907670163544	-24.222049304973	VS	100	1	-46.835462776229	-24.183891592373	VS	100	1
-46.90813147325	-24.221698387584	VS	100	1	-46.835693214051	-24.183679689652	VS	100	1
-46.727135468915	-24.142134459861	VS	100	1	-46.83620665029	-24.184451787216	VS	100	1
-46.72680401132	-24.14250749472	VS	100	1	-46.833230376873	-24.185784738351	VS	100	1
-46.913283920028	-24.22133362127	VS	70	1	-46.82977304064	-24.189945751144	VS	100	1
-46.912960647456	-24.221570987104	VS	70	1	-46.829447774643	-24.189656977136	VS	100	1
-46.912700241507	-24.221769539427	VS	70	1	-46.829187577814	-24.189365757634	VS	100	1
-46.912440257151	-24.221967795982	VS	70	1	-46.828939052909	-24.189127818178	VS	100	1
-46.866976282591	-24.211433440847	VS	70	1	-46.832300516423	-24.184427533772	VS	100	1
-46.839529277867	-24.206988701256	VS	100	1	-46.832580407801	-24.184176337169	VS	100	1
-46.82975528503	-24.205366540982	VS	100	1	-46.832861777487	-24.183928606524	VS	100	1
-46.751853785008	-24.164427581969	VS	100	1	-46.834533560983	-24.181757670111	VS	100	1
-46.778870092897	-24.173706711228	VS	250	1	-46.8336270978	-24.181767435413	VS	100	1
-46.751473522921	-24.16322414221	VS	100	1	-46.834249436227	-24.18173469252	VS	100	1
-46.7513191815	-24.163442410294	VS	100	1	-46.833913684034	-24.181975194726	VS	100	1
-46.751214252997	-24.163602049835	VS	100	1	-46.833717492502	-24.18210903305	VS	100	1
-46.749978657949	-24.163595705864	VS	100	1	-46.833149809256	-24.183685421434	VS	100	1
-46.750634734419	-24.162590434146	VS	100	1	-46.833970387633	-24.182998173692	VS	100	1
-46.750494168096	-24.16280338794	VS	100	1	-46.833393084373	-24.183479608318	VS	100	1
-46.750635107161	-24.163140307867	VS	100	1	-46.829986271878	-24.180242444038	VS	100	1
-46.713379140461	-24.141300326486	VS	100	1	-46.830348404864	-24.180753389257	VS	100	1
-46.714485563054	-24.140957606153	VS	100	1	-46.826468019832	-24.183548862277	VS	100	1
-46.721916403573	-24.144884592822	VS	100	1	-46.829182287746	-24.200725224367	VS	100	1
-46.721676204315	-24.144748812491	VS	100	1	-46.829482432144	-24.200877693195	VS	100	1
-46.72090088743	-24.146029816008	VS	100	1	-46.829927071272	-24.20121123475	VS	100	1
-46.758950822651	-24.151659532215	VS	100	1	-46.831150292728	-24.201216968651	VS	100	1
-46.759018802111	-24.151106607612	VS	100	1	-46.83098839438	-24.201490407008	VS	100	1
-46.73739982729	-24.149661148005	VS	100	1	-46.836902190072	-24.20108693607	VS	100	1
-46.718152468192	-24.144821138789	VS	100	1	-46.837255714226	-24.201271984215	VS	100	1
-46.806973300185	-24.191923754407	VS	100	1	-46.836201452845	-24.199468286251	VS	100	1
-46.855388137484	-24.16485853058	VS	100	1	-46.836465880376	-24.199582184909	VS	100	1
-46.830774991645	-24.155518327181	VS	100	1	-46.836782366375	-24.199732643811	VS	100	1
-46.832348304363	-24.153317090187	VS	100	1	-46.837173522868	-24.197403419224	VS	100	1
-46.832499071253	-24.153057150789	VS	100	1	-46.83655047068	-24.198443482287	VS	100	1
-46.896708145968	-24.238845937624	VS	100	1	-46.836536047908	-24.198232056064	VS	70	1
-46.87653514623	-24.236478618554	VS	100	1	-46.836711022717	-24.198174372185	VS	100	1
-46.87625906715	-24.23629986851	VS	100	1	-46.835734434303	-24.195618258593	VS	100	1
-46.883377931992	-24.23785695837	VS	100	1	-46.834757958067	-24.197240294667	VS	100	1
-46.883120106928	-24.238039237221	VS	100	1	-46.834137342628	-24.196248010054	VS	100	1
-46.851033688232	-24.209422647378	VS	100	1	-46.834307162408	-24.195961160346	VS	100	1
-46.815314196838	-24.194738470321	VS	100	1	-46.834788688189	-24.195163246101	VS	100	1
-46.750985235426	-24.162699375978	VS	100	1	-46.833678128357	-24.194967769744	VS	100	1
-46.751275684135	-24.162852070571	VS	100	1	-46.833517478596	-24.195227776493	VS	100	1
-46.722902431204	-24.147791367621	VS	70	1	-46.831663820541	-24.197208153323	VS	100	1
-46.723620900901	-24.148202196354	VS	70	1	-46.833599591326	-24.194103507803	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.721444990677	-24.144634370873	VS	100	1	-46.910509922315	-24.239263211652	VS	100	1
-46.876869394976	-24.235021241508	VS	100	1	-46.839856343002	-24.211749121651	VS	70	1
-46.830500578848	-24.196088638088	VS	100	1	-46.839585615596	-24.211609853474	VS	70	1
-46.775663297256	-24.178486200566	VS	100	1	-46.839507483315	-24.211433009903	VS	70	1
-46.875616996845	-24.230851527704	VS	100	1	-46.839515926427	-24.211211218397	VS	70	1
-46.780192797448	-24.164372012305	VS	100	1	-46.839436156824	-24.211629620815	VS	70	1
-46.785941346237	-24.177151766681	VS	100	1	-46.839261794893	-24.211799952343	VS	70	1
-46.904341715256	-24.233182172033	VS	100	1	-46.839015115803	-24.212054670283	VS	70	1
-46.792956514826	-24.178140015015	VS	100	1	-46.839334661764	-24.211482864941	VS	70	1
-46.781121583281	-24.17539393798	VS	100	1	-46.839067181038	-24.211342647934	VS	70	1
-46.883466876401	-24.236875392689	VS	100	1	-46.83877886254	-24.211201148003	VS	70	1
-46.883746129742	-24.23705154787	VS	100	1	-46.838916916642	-24.212259570604	VS	70	1
-46.884015878056	-24.237236777177	VS	100	1	-46.839078942707	-24.212340641651	VS	70	1
-46.88421083801	-24.238161837129	VS	100	1	-46.839276195067	-24.212437039174	VS	70	1
-46.883951232712	-24.237985538523	VS	100	1	-46.838449796179	-24.211040941938	VS	70	1
-46.883691736684	-24.23781807864	VS	100	1	-46.838268846357	-24.211094684675	VS	70	1
-46.883929582702	-24.238708460195	VS	100	1	-46.838130873353	-24.210874467157	VS	70	1
-46.883420852485	-24.238391300636	VS	100	1	-46.837894401216	-24.210754481718	VS	70	1
-46.883141286901	-24.238206155749	VS	100	1	-46.838437172018	-24.210839157958	VS	70	1
-46.882003372945	-24.237465697466	VS	100	2	-46.838588920143	-24.210583709263	VS	70	1
-46.727015668008	-24.142354932369	VS	100	1	-46.83809413076	-24.211413636027	VS	70	1
-46.819004596091	-24.196872916279	VS	100	1	-46.833183971143	-24.193903066623	VS	100	1
-46.806494494104	-24.198704867201	VS	100	1	-46.832869923229	-24.193743202023	VS	100	1
-46.851477589477	-24.214442725651	VS	100	1	-46.832280419388	-24.193445806281	VS	100	1
-46.850991121841	-24.21418708655	VS	100	1	-46.831997375193	-24.194618133048	VS	100	1
-46.843708375817	-24.214585315559	VS	100	1	-46.83168093897	-24.194458570183	VS	100	1
-46.883325799642	-24.202822600348	VS	100	1	-46.831269496048	-24.194256101577	VS	100	1
-46.883107198954	-24.202974291877	VS	100	1	-46.86063504522	-24.21682580777	VS	70	1
-46.882851405161	-24.203150871612	VS	100	1	-46.860263861841	-24.217213825052	VS	100	1
-46.858878257259	-24.201039921701	VS	100	1	-46.870315410906	-24.220241083661	VS	100	1
-46.806235809816	-24.197747559381	VS	100	1	-46.870149358598	-24.220352415068	VS	100	1
-46.806484316757	-24.199015761285	VS	100	1	-46.822298907433	-24.185447589878	VS	100	1
-46.728339082493	-24.12722360569	VS	100	1	-46.872911630946	-24.219176415404	VS	100	1
-46.729036451251	-24.126810355502	VS	100	1	-46.872663775941	-24.219365973473	VS	100	1
-46.730422134118	-24.121829932387	VS	100	1	-46.82491520627	-24.171815853196	VS	100	1
-46.806489126143	-24.198486218958	VS	100	1	-46.824794728574	-24.172000849444	VS	100	1
-46.806449297244	-24.198244153083	VS	100	1	-46.824741279441	-24.172533719898	VS	100	1
-46.80637337143	-24.198016004376	VS	100	1	-46.824692311966	-24.172858153898	VS	100	1
-46.728593407706	-24.12716473088	VS	100	1	-46.883962270668	-24.215787456216	VS	100	1
-46.897002749826	-24.196958513772	VS	100	1	-46.883731012281	-24.21595473568	VS	100	1
-46.897477094329	-24.196631263224	VS	100	1	-46.883420778189	-24.216195317295	VS	100	1
-46.901121703532	-24.240043912286	VS	100	1	-46.883180744248	-24.216384421461	VS	100	1
-46.883068280765	-24.237449608223	VS	100	1	-46.881674487361	-24.218069154066	VS	100	1
-46.901413615229	-24.239833369269	VS	100	1	-46.789982643754	-24.129652073336	VS	100	1
-46.84856994882	-24.212551935145	VS	100	1	-46.790185151821	-24.129104113442	VS	100	1
-46.821572253988	-24.183732303213	VS	100	1	-46.790364792885	-24.128607542835	VS	100	1
-46.903873771647	-24.23802555752	VS	100	1	-46.790602051208	-24.127892739276	VS	100	1
-46.87931149522	-24.223146895279	VS	100	1	-46.819395432729	-24.172040410889	VS	100	1
-46.882282867479	-24.237650806128	VS	100	1	-46.85390829831	-24.171756163281	VS	70	1
-46.882572255809	-24.237835884926	VS	100	1	-46.853663705437	-24.17147072804	VS	70	1
-46.882861645315	-24.238020954271	VS	100	1	-46.853448740208	-24.171233696331	VS	70	1
-46.782122083129	-24.163670938634	VS	100	1	-46.853233821072	-24.170986152683	VS	70	1
-46.887774672261	-24.203402631587	VS	100	1	-46.853014869117	-24.17073874241	VS	70	1
-46.846077960669	-24.142863846656	VS	100	1	-46.855571467914	-24.171833463468	VS	70	1
-46.778606127675	-24.151750253328	VS	100	1	-46.855330841956	-24.171540104983	VS	70	1
-46.759361545026	-24.149002911561	VS	100	1	-46.8550889368	-24.171249867104	VS	70	1
-46.829062997776	-24.201724269715	VS	100	1	-46.85470110997	-24.170788052402	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.828347543464	-24.201372857883	VS	100	1	-46.854057974199	-24.170103020629	VS	70	1
-46.855008320244	-24.215821410762	VS	100	1	-46.857612055446	-24.172825521414	VS	70	1
-46.85466271106	-24.215644538308	VS	100	1	-46.857399198404	-24.172557625754	VS	70	1
-46.854318852705	-24.215469489105	VS	100	1	-46.857174563905	-24.172304466625	VS	70	1
-46.848612110718	-24.211305630225	VS	100	1	-46.856927623513	-24.172072519686	VS	70	1
-46.848390452789	-24.211058061374	VS	100	1	-46.856712949384	-24.171888867242	VS	70	1
-46.849024951815	-24.211801134461	VS	100	1	-46.856476404927	-24.171660367371	VS	70	1
-46.846884268512	-24.211724243668	VS	100	1	-46.856215406317	-24.171427730377	VS	70	1
-46.846541963127	-24.211549600095	VS	100	1	-46.855901300213	-24.17114160548	VS	70	1
-46.847397644203	-24.211918101623	VS	100	1	-46.855607288923	-24.170876268639	VS	70	1
-46.847268095346	-24.211919612738	VS	100	1	-46.854817034827	-24.170147310786	VS	70	1
-46.847645548673	-24.212095133551	VS	100	1	-46.85447619518	-24.169824093102	VS	70	1
-46.848013372198	-24.212279641212	VS	100	1	-46.876007710517	-24.215359489782	VS	100	1
-46.848262074799	-24.212411540911	VS	100	1	-46.875639555947	-24.215141089268	VS	100	1
-46.848230434955	-24.211939832552	VS	100	1	-46.875263062095	-24.214924634716	VS	100	1
-46.727316851386	-24.152121016336	VS	70	1	-46.859584814873	-24.158691697458	VS	70	1
-46.873939088535	-24.216201139654	VS	100	1	-46.85925568408	-24.158876276304	VS	70	1
-46.88020635291	-24.208834022503	VS	100	1	-46.85904365189	-24.159031507171	VS	70	1
-46.912185388901	-24.235873368273	VS	70	1	-46.858838768541	-24.159182009147	VS	70	1
-46.871976439759	-24.20862767352	VS	100	1	-46.858520927644	-24.159416140225	VS	70	1
-46.873903750775	-24.226021545403	VS	100	1	-46.85296604594	-24.169719223413	VS	70	1
-46.880592626196	-24.228529471838	VS	100	1	-46.852692758635	-24.169415378864	VS	70	1
-46.877221806459	-24.226825592454	VS	100	1	-46.852249038557	-24.16890829	VS	70	1
-46.878056460065	-24.226298850277	VS	100	1	-46.894022264005	-24.235891249452	VS	100	1
-46.877837357304	-24.226451444056	VS	100	1	-46.894177925866	-24.235768655971	VS	100	1
-46.877331016694	-24.226806230089	VS	100	1	-46.894346102733	-24.235854204747	VS	100	1
-46.874281866973	-24.225321326163	VS	100	1	-46.894557299166	-24.23596239309	VS	100	1
-46.875655203572	-24.224951451728	VS	100	1	-46.893788362116	-24.235580268964	VS	100	1
-46.877864256097	-24.225804235177	VS	100	1	-46.873969807079	-24.225174003024	VS	100	1
-46.877651890072	-24.225961979509	VS	100	1	-46.873818984368	-24.225106099812	VS	100	1
-46.88008092476	-24.225524190137	VS	100	1	-46.872507835651	-24.225593938859	VS	100	1
-46.879786694032	-24.225278973654	VS	100	1	-46.872757639472	-24.225410530435	VS	100	1
-46.880240870051	-24.224816595502	VS	100	1	-46.7698211218	-24.169069880656	VS	100	1
-46.879199957347	-24.224836193779	VS	100	1	-46.769573842057	-24.169257711366	VS	100	1
-46.878727167901	-24.225172257421	VS	100	1	-46.867340625892	-24.207979304504	VS	100	1
-46.878971868415	-24.225009031355	VS	100	1	-46.867575229887	-24.208250535086	VS	100	1
-46.880150177631	-24.224174492827	VS	100	1	-46.867051019577	-24.206547201929	VS	100	1
-46.879820522355	-24.224406053203	VS	100	1	-46.876986022266	-24.2020596315	VS	100	1
-46.879510774007	-24.224628207236	VS	100	1	-46.875654818514	-24.200472086274	VS	100	1
-46.877851562675	-24.223292482515	VS	100	1	-46.87848469596	-24.215409775291	VS	100	1
-46.877029000294	-24.223872371826	VS	100	1	-46.878173166763	-24.215631754289	VS	100	1
-46.877291624743	-24.223689591091	VS	100	1	-46.877649635312	-24.216027880456	VS	100	1
-46.877591014795	-24.223481956807	VS	100	1	-46.879673362855	-24.214503416096	VS	100	1
-46.876681683362	-24.223308639488	VS	100	1	-46.88025655068	-24.214042473705	VS	100	1
-46.878778943616	-24.223238716518	VS	100	1	-46.880596000676	-24.213804989348	VS	100	1
-46.880191270257	-24.22338081599	VS	100	1	-46.880894227501	-24.213574529231	VS	100	1
-46.880789388054	-24.222938782327	VS	100	1	-46.86241968583	-24.210582142837	VS	100	1
-46.880470802391	-24.22316441421	VS	100	1	-46.862737907779	-24.210775707742	VS	100	1
-46.879882283052	-24.223597455668	VS	100	1	-46.863018572251	-24.210943590671	VS	100	1
-46.879028691291	-24.22351628706	VS	100	1	-46.863282254554	-24.211102211243	VS	100	1
-46.881249780024	-24.223317595938	VS	100	1	-46.863604262924	-24.211297635785	VS	100	1
-46.880856802576	-24.222166222265	VS	100	1	-46.781185502202	-24.159683981414	VS	100	1
-46.881210488189	-24.221792759739	VS	100	1	-46.780872343698	-24.159901970301	VS	100	1
-46.881778091085	-24.230904045845	VS	100	1	-46.783636584399	-24.161741481423	VS	100	1
-46.881960703396	-24.231143449086	VS	100	1	-46.783725361514	-24.161557538946	VS	100	1
-46.882095820184	-24.231351585499	VS	100	1	-46.771092673143	-24.168326569233	VS	100	1
-46.880847372413	-24.232188830369	VS	100	1	-46.774738705582	-24.165775044061	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.881153040477	-24.231988294461	VS	100	1	-46.774464825586	-24.165683093238	VS	100	1
-46.882271270054	-24.236019965489	VS	100	1	-46.774208879137	-24.16559234289	VS	100	1
-46.88369114339	-24.23496858045	VS	100	1	-46.773901965191	-24.165471129105	VS	100	1
-46.88338657556	-24.235179078056	VS	100	1	-46.775715815299	-24.165266110005	VS	100	1
-46.883023377904	-24.235461461566	VS	100	1	-46.775539165972	-24.165153363699	VS	100	1
-46.882791794179	-24.235637869316	VS	100	1	-46.767431910438	-24.169006516847	VS	100	1
-46.84400918091	-24.207625592846	VS	70	1	-46.766888498235	-24.168723753524	VS	100	1
-46.844180986642	-24.20735412227	VS	100	1	-46.766524581513	-24.168526984831	VS	100	1
-46.844376069195	-24.207257588299	VS	100	1	-46.766178503154	-24.168371209514	VS	100	1
-46.844684099264	-24.207406882921	VS	100	1	-46.765825746183	-24.168185315976	VS	100	1
-46.84405831321	-24.207113274758	VS	100	1	-46.822525968522	-24.179533339593	VS	100	1
-46.843433228476	-24.206802715033	VS	100	1	-46.819301098222	-24.172916069897	VS	100	1
-46.843145163358	-24.206851391016	VS	100	1	-46.813857189801	-24.176525094727	VS	100	1
-46.84310946554	-24.206627030578	VS	70	1	-46.823074971647	-24.178871401542	VS	100	1
-46.843334685854	-24.206519339176	VS	100	1	-46.823286934641	-24.17854062236	VS	100	1
-46.843496997983	-24.206254435125	VS	100	1	-46.77423779687	-24.172323049727	VS	100	1
-46.842798043866	-24.20647302415	VS	100	1	-46.813968440656	-24.181772434432	VS	100	1
-46.843358727335	-24.205429886592	VS	100	1	-46.814856175314	-24.182233149289	VS	100	1
-46.843079190424	-24.205290907829	VS	100	1	-46.814707595166	-24.182139264368	VS	100	1
-46.842686605493	-24.205088159684	VS	100	1	-46.814297586008	-24.181939563956	VS	100	1
-46.84239756695	-24.204952733931	VS	100	1	-46.783361073939	-24.182528342638	VS	250	1
-46.842112312279	-24.204815535773	VS	100	1	-46.787700803122	-24.182053814574	VS	250	1
-46.842036728062	-24.204565092075	VS	70	1	-46.78755691205	-24.18199348341	VS	250	1
-46.84521879206	-24.210739232322	VS	100	1	-46.787459188632	-24.182163349155	VS	250	1
-46.803235329581	-24.194005311643	VS	100	1	-46.787377612467	-24.18230900367	VS	250	1
-46.80305318828	-24.194226585459	VS	100	1	-46.787291859453	-24.182465108968	VS	250	1
-46.802793608116	-24.194325126264	VS	100	1	-46.781383649126	-24.126479432213	VS	100	1
-46.802890743046	-24.194462863823	VS	100	1	-46.781497061239	-24.126183716648	VS	100	1
-46.802749073703	-24.194648243537	VS	100	1	-46.81986358885	-24.171623797075	VS	100	1
-46.802577607821	-24.194872723234	VS	100	1	-46.819830797853	-24.173269725729	VS	100	1
-46.801884195239	-24.194876499224	VS	250	1	-46.819633960522	-24.171820280173	VS	100	1
-46.801695832239	-24.19476891705	VS	250	1	-46.870384638969	-24.220348708252	VS	100	1
-46.802479745876	-24.195524764454	VS	250	1	-46.773458938636	-24.171987232355	VS	100	1
-46.80215373733	-24.195044293255	VS	250	1	-46.773252438782	-24.17190040332	VS	100	1
-46.802282565798	-24.195522948131	VS	250	1	-46.887755585189	-24.212543342786	VS	100	1
-46.802214528494	-24.195294889729	VS	250	1	-46.904396529486	-24.228837519896	VS	100	1
-46.8020790335	-24.195686045758	VS	250	1	-46.904608699308	-24.229076722677	VS	100	1
-46.823893005198	-24.197736488655	VS	70	1	-46.829193094235	-24.164578686052	VS	70	1
-46.82405375659	-24.197485801985	VS	70	1	-46.828283789076	-24.15213403789	VS	100	1
-46.82422000748	-24.197236149603	VS	70	1	-46.904848051872	-24.22933541226	VS	70	1
-46.824407846007	-24.196927349263	VS	70	1	-46.829132274156	-24.206798879398	VS	100	1
-46.824585436087	-24.196653060183	VS	70	1	-46.827751292678	-24.151868536954	VS	70	1
-46.824855723656	-24.197329513684	VS	70	1	-46.827492935142	-24.15173670525	VS	100	1
-46.825025596567	-24.197040487407	VS	70	1	-46.881487676491	-24.228986248035	VS	70	1
-46.825226674493	-24.196699095514	VS	70	1	-46.881396208051	-24.228763470387	VS	100	1
-46.781516349391	-24.151234888292	VS	70	1	-46.881255282129	-24.225543203831	VS	70	1
-46.781171485746	-24.151484909656	VS	70	1	-46.881402819675	-24.236651464359	VS	100	1
-46.767917623958	-24.159394279279	VS	70	1	-46.828532149691	-24.205689835031	VS	100	1
-46.768148568323	-24.159637654351	VS	70	1	-46.827184833542	-24.151578481955	VS	70	1
-46.768254372336	-24.159762160992	VS	70	1	-46.881159610437	-24.228819407362	VS	100	1
-46.761732819868	-24.1722252766	VS	70	1	-46.881084464076	-24.228962743023	VS	100	1
-46.774282860831	-24.154846105368	VS	70	1	-46.88073974138	-24.228510710716	VS	100	1
-46.773968099679	-24.155080326878	VS	70	1	-46.880604580988	-24.228612485681	VS	100	1
-46.845954578039	-24.159181348395	VS	70	1	-46.880316636743	-24.22719270588	VS	100	1
-46.845742163854	-24.15892421864	VS	70	1	-46.880191179738	-24.228318858186	VS	100	1
-46.845518004991	-24.158642000767	VS	70	1	-46.880157202109	-24.227194425348	VS	100	1
-46.845276972867	-24.158356509334	VS	70	1	-46.879880418332	-24.228162807982	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.851401917865	-24.219093775182	VS	100	1	-46.879779241181	-24.227001146148	VS	100	1
-46.866496500591	-24.229225107573	VS	100	1	-46.8806934509	-24.225419925544	VS	70	1
-46.866784161164	-24.229021110178	VS	70	1	-46.880461885419	-24.225582284306	VS	70	1
-46.867038381085	-24.228833243641	VS	70	1	-46.892530144475	-24.234446354342	VS	100	1
-46.86730875879	-24.228643724166	VS	70	1	-46.879755766569	-24.227572287296	VS	100	1
-46.867588757658	-24.228445196913	VS	100	1	-46.879579843886	-24.228007673559	VS	100	1
-46.867868593014	-24.228237711364	VS	100	1	-46.879431124659	-24.226816627718	VS	100	1
-46.794139876175	-24.180608276861	VS	100	1	-46.879456368985	-24.227779915949	VS	100	1
-46.794318934679	-24.180369266011	VS	100	1	-46.879339140292	-24.226995499571	VS	100	1
-46.816884694317	-24.177099234601	VS	70	1	-46.879239613342	-24.227826424799	VS	100	1
-46.78371140537	-24.173170775236	VS	70	1	-46.879010104026	-24.218752850146	VS	100	1
-46.848370853227	-24.209306677261	VS	70	1	-46.879110147704	-24.22665614288	VS	100	1
-46.848583090594	-24.209554863231	VS	100	1	-46.879011621045	-24.226506990559	VS	100	1
-46.909361847734	-24.237702648565	VS	70	1	-46.878868953809	-24.227636010097	VS	100	1
-46.90963497709	-24.237520453287	VS	70	1	-46.878834369467	-24.22651792733	VS	100	1
-46.909885917872	-24.237339923338	VS	70	1	-46.87869407607	-24.226724043893	VS	100	1
-46.910127041665	-24.237159480307	VS	70	1	-46.878401965196	-24.219186032009	VS	100	1
-46.910445448496	-24.236924816787	VS	70	1	-46.87856123261	-24.227448293105	VS	100	1
-46.911053472805	-24.236491572784	VS	70	1	-46.878577046136	-24.228366892049	VS	100	1
-46.911347395882	-24.236278907042	VS	70	1	-46.878573004099	-24.228202881776	VS	100	1
-46.911658461602	-24.236053808006	VS	70	1	-46.878454363409	-24.227607258065	VS	100	1
-46.911956022066	-24.235836189384	VS	70	1	-46.878423576147	-24.226913672884	VS	100	1
-46.912272830509	-24.235618393571	VS	70	1	-46.878374095977	-24.22850236029	VS	100	1
-46.912584771084	-24.235415334543	VS	70	1	-46.878249869313	-24.227304945834	VS	100	1
-46.912893297899	-24.235189857635	VS	70	1	-46.878153306332	-24.227103154262	VS	100	1
-46.913190029055	-24.234974675382	VS	70	1	-46.878165151444	-24.227991981283	VS	100	1
-46.913508179307	-24.234752918206	VS	70	1	-46.878093896629	-24.228691995668	VS	100	1
-46.913795867762	-24.234536328209	VS	70	1	-46.877927321647	-24.22715904056	VS	100	1
-46.91409550231	-24.234336036343	VS	70	1	-46.877615549613	-24.216048640793	VS	70	1
-46.914766976833	-24.233878404396	VS	70	1	-46.826578958156	-24.189524041988	VS	150	1
-46.889589956378	-24.211252390196	VS	100	1	-46.826443772141	-24.189747196043	VS	150	1
-46.889840862692	-24.211071889853	VS	100	1	-46.826303722761	-24.189983542249	VS	150	1
-46.890468554466	-24.210638496564	VS	100	1	-46.877944480339	-24.227948605449	VS	100	1
-46.890159401302	-24.21084623176	VS	100	1	-46.87787650113	-24.227842495817	VS	100	1
-46.783447932062	-24.17022432155	VS	70	1	-46.877863498738	-24.227301797839	VS	100	1
-46.855326343725	-24.217727236934	VS	70	1	-46.877864867634	-24.228005963654	VS	100	1
-46.811990436524	-24.191708415754	VS	250	2	-46.877354824452	-24.216229176223	VS	70	1
-46.811637111675	-24.191963109246	VS	250	2	-46.825991195034	-24.187454540968	VS	100	1
-46.874916752157	-24.223265136252	VS	100	1	-46.826027328613	-24.190443244411	VS	250	1
-46.874903659598	-24.225630270707	VS	100	1	-46.877639327058	-24.228169048614	VS	100	1
-46.874926229484	-24.228571510955	VS	100	1	-46.877548521896	-24.227684504584	VS	100	1
-46.874487267604	-24.212611318687	VS	70	1	-46.877225620653	-24.215550685024	VS	70	1
-46.874700901932	-24.228732126297	VS	100	1	-46.877113706551	-24.216409575599	VS	70	1
-46.874582939869	-24.225471560371	VS	100	1	-46.877344967159	-24.228377341162	VS	100	1
-46.90140730147	-24.235247402972	VS	100	1	-46.877343051572	-24.227649682076	VS	100	1
-46.901289050335	-24.235797922628	VS	100	1	-46.877255157826	-24.227726011287	VS	100	1
-46.901205836251	-24.235578684616	VS	250	1	-46.877240146148	-24.227535132208	VS	100	1
-46.901038149578	-24.235027124515	VS	100	1	-46.87686277388	-24.216590050973	VS	70	1
-46.900936147967	-24.235594293923	VS	100	1	-46.87702248528	-24.227884023955	VS	100	1
-46.874168701612	-24.21283693952	VS	70	1	-46.876688048329	-24.215927591541	VS	70	1
-46.874376223038	-24.223653148275	VS	100	1	-46.876592436366	-24.216779584035	VS	70	1
-46.874423352938	-24.228931482723	VS	100	1	-46.87682046244	-24.22802395125	VS	100	1
-46.873844756211	-24.21306532588	VS	70	1	-46.876675301853	-24.227334188499	VS	100	1
-46.874086642957	-24.223860699229	VS	100	1	-46.876090273262	-24.217131670036	VS	70	1
-46.874147932288	-24.229112701234	VS	100	1	-46.876193694875	-24.216274200727	VS	70	1
-46.900596344895	-24.236029022908	VS	250	1	-46.875829727471	-24.217321142485	VS	70	1
-46.900571092397	-24.235372303458	VS	100	1	-46.876307007095	-24.229928794709	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.873569773817	-24.213243258987	VS	70	1	-46.825870659561	-24.19071357543	VS	150	1
-46.873778185837	-24.224065780542	VS	100	1	-46.825741924509	-24.187295854958	VS	100	1
-46.873192709351	-24.22447386415	VS	100	1	-46.825710141794	-24.190976218125	VS	250	1
-46.873057303368	-24.22482412626	VS	70	1	-46.825528589693	-24.187299920378	VS	100	1
-46.872749433462	-24.213829745422	VS	100	1	-46.82554584009	-24.19124064111	VS	250	1
-46.872908481515	-24.224682098725	VS	70	1	-46.825392496894	-24.191505968587	VS	150	1
-46.898644414604	-24.238566497152	VS	100	1	-46.875915611961	-24.216469166743	VS	70	1
-46.898421988202	-24.238309525634	VS	100	1	-46.875569190756	-24.217510614646	VS	70	1
-46.898327942246	-24.236992893419	VS	100	1	-46.875993983689	-24.229316994901	VS	100	1
-46.898189736873	-24.238052631275	VS	100	1	-46.875378796163	-24.216845547284	VS	70	1
-46.898085887066	-24.236736077139	VS	100	1	-46.875585230226	-24.227317216874	VS	100	1
-46.897914939439	-24.237970266873	VS	250	1	-46.875675466352	-24.229528460056	VS	100	1
-46.897889691817	-24.237723928792	VS	100	1	-46.875457928838	-24.222903882174	VS	100	1
-46.897853452483	-24.236470287328	VS	100	1	-46.875470373645	-24.226729088503	VS	100	1
-46.897686370776	-24.236651247383	VS	100	1	-46.825264704677	-24.191727701087	VS	250	1
-46.897585297271	-24.237569615093	VS	100	1	-46.825090600258	-24.192016873907	VS	150	1
-46.8977124851	-24.238117866203	VS	250	1	-46.824618394484	-24.192796867612	VS	150	1
-46.897560610399	-24.236144916867	VS	100	1	-46.824297631162	-24.193334526372	VS	150	1
-46.897525796196	-24.235807613847	VS	100	1	-46.824161467962	-24.193580434163	VS	250	1
-46.897430295205	-24.238044020366	VS	100	1	-46.823997639316	-24.193846102892	VS	150	1
-46.897240820834	-24.236014504938	VS	100	1	-46.823109835013	-24.157772937626	VS	70	1
-46.897209788141	-24.237807611918	VS	100	1	-46.823863780081	-24.194078594557	VS	150	1
-46.897034358397	-24.235804434513	VS	100	1	-46.822869205391	-24.15756941903	VS	70	1
-46.842534942196	-24.162561764669	VS	70	1	-46.82371250493	-24.194320669859	VS	150	1
-46.842282212097	-24.162345220501	VS	70	1	-46.82356378623	-24.194559686561	VS	250	1
-46.842837881741	-24.162625781692	VS	70	1	-46.822468810186	-24.152559221784	VS	100	1
-46.842996421602	-24.162466880183	VS	70	1	-46.822368194414	-24.157144988198	VS	70	1
-46.896985890159	-24.237547912047	VS	100	1	-46.875449159838	-24.228961371819	VS	100	1
-46.896706120022	-24.238148244553	VS	100	1	-46.875118460183	-24.215999227929	VS	70	1
-46.896610257649	-24.235334932116	VS	100	1	-46.875098835481	-24.217044094194	VS	70	1
-46.845142264376	-24.16871132678	VS	70	1	-46.875388599435	-24.229721912071	VS	100	1
-46.845275847041	-24.169991811532	VS	70	1	-46.87530553291	-24.227518392532	VS	100	1
-46.889980271309	-24.244270521789	VS	100	1	-46.875190398457	-24.226927641775	VS	100	1
-46.862578894831	-24.217002476869	VS	100	1	-46.874827281234	-24.217234366106	VS	70	1
-46.885243403028	-24.238021178025	VS	100	1	-46.875110649682	-24.229197638314	VS	100	1
-46.851142474668	-24.210546468304	VS	100	1	-46.875025322474	-24.227708021667	VS	100	1
-46.851362892075	-24.210425073514	VS	100	1	-46.874920014337	-24.227117185877	VS	100	1
-46.850967033918	-24.210668107143	VS	100	1	-46.874982911486	-24.230001770451	VS	100	1
-46.850450522494	-24.211048725718	VS	100	1	-46.874867971695	-24.228054912853	VS	100	1
-46.850170996838	-24.211240554528	VS	100	1	-46.874822817001	-24.227861331359	VS	100	1
-46.855484171184	-24.211578237823	VS	70	1	-46.874695255041	-24.225458929191	VS	100	1
-46.854995908717	-24.211010924931	VS	70	1	-46.874772742533	-24.22943224323	VS	100	1
-46.849756418324	-24.212913226447	VS	100	1	-46.8221477584	-24.156959315336	VS	70	1
-46.849751825022	-24.213148694902	VS	100	1	-46.874649596898	-24.227297685051	VS	100	1
-46.850269791415	-24.213404106013	VS	100	1	-46.874638512409	-24.226345820277	VS	100	1
-46.850488392715	-24.213509466726	VS	100	1	-46.874598556093	-24.227878668964	VS	100	1
-46.861336215484	-24.213206194379	VS	100	1	-46.874532923278	-24.228060010537	VS	100	1
-46.861602815578	-24.21301704832	VS	100	1	-46.874389259247	-24.227496075309	VS	100	1
-46.86374923469	-24.211777749499	VS	100	1	-46.874377740241	-24.226526364502	VS	100	1
-46.863935649712	-24.211645411284	VS	100	1	-46.874434562553	-24.229667038207	VS	100	1
-46.863226183454	-24.217486558803	VS	100	1	-46.874194978415	-24.224028603811	VS	100	1
-46.726169246689	-24.151023583079	VS	70	1	-46.874284104832	-24.229667768587	VS	100	1
-46.864462097271	-24.215666948084	VS	100	1	-46.874262545521	-24.228249553258	VS	100	1
-46.850026093722	-24.210137287928	VS	100	1	-46.874118681814	-24.227685747711	VS	100	1
-46.865900778373	-24.216286049447	VS	100	1	-46.873850773643	-24.229322488002	VS	100	1
-46.865656458092	-24.216458939287	VS	100	1	-46.873848507997	-24.227884212464	VS	100	1
-46.862320000964	-24.216136789677	VS	100	1	-46.8738465923	-24.226896450483	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.865405734844	-24.216648316725	VS	100	1	-46.873692394491	-24.227310084018	VS	100	1
-46.862604030627	-24.216382378556	VS	100	1	-46.87343108164	-24.217447412191	VS	70	1
-46.86257592903	-24.216179828687	VS	100	1	-46.873576420005	-24.227094914934	VS	100	1
-46.865133806925	-24.216684695834	VS	100	1	-46.87356372092	-24.229350191953	VS	100	1
-46.862836265728	-24.215981458128	VS	100	1	-46.873156454391	-24.217636848965	VS	70	1
-46.827181528261	-24.180855547725	VS	70	1	-46.87337801605	-24.227112646293	VS	100	1
-46.828006920711	-24.178166077134	VS	70	1	-46.873305819912	-24.22727554179	VS	100	1
-46.771460409487	-24.167880961022	VS	100	1	-46.873274365427	-24.229165109145	VS	100	1
-46.771720958551	-24.167691673952	VS	100	1	-46.857586083248	-24.223123015883	VS	70	1
-46.771990346566	-24.167493877602	VS	100	1	-46.873045450827	-24.227473937674	VS	100	1
-46.875058744776	-24.23551564472	VS	100	1	-46.872988016844	-24.229143006589	VS	100	1
-46.875014149775	-24.23538814141	VS	100	1	-46.857306306857	-24.223330447385	VS	70	1
-46.819175440962	-24.192849327649	VS	100	1	-46.872677899947	-24.22935424223	VS	100	1
-46.81946706347	-24.192890673157	VS	100	1	-46.87217706371	-24.212427487304	VS	100	1
-46.816101465836	-24.19426222526	VS	100	1	-46.821320711721	-24.151614056438	VS	70	1
-46.776478102281	-24.165765123081	VS	100	1	-46.82218907682	-24.189285067151	VS	100	1
-46.776155246405	-24.165607534895	VS	100	1	-46.822148593719	-24.18959557639	VS	100	1
-46.775855890567	-24.165428058844	VS	100	1	-46.822081174935	-24.189040240696	VS	100	1
-46.776199009103	-24.165294272906	VS	100	1	-46.822083353142	-24.190071399776	VS	100	1
-46.776479174711	-24.165104835205	VS	100	1	-46.821162970378	-24.151176373718	VS	70	1
-46.776768724495	-24.164897481543	VS	100	1	-46.872079193571	-24.216423193105	VS	70	1
-46.761969859639	-24.171158788925	VS	100	1	-46.872266734873	-24.225758089716	VS	70	1
-46.841995199082	-24.157512198778	VS	70	1	-46.87225409929	-24.229657476253	VS	100	1
-46.841705743771	-24.157719693407	VS	70	1	-46.872139988379	-24.228346253346	VS	100	1
-46.767549929742	-24.161197579278	VS	70	1	-46.82204754816	-24.189560515566	VS	100	1
-46.910571784432	-24.234880279552	VS	100	1	-46.821100819508	-24.15142798337	VS	70	1
-46.906898148733	-24.2313234632	VS	100	1	-46.821960309339	-24.190997771218	VS	100	1
-46.901907426328	-24.23803857284	VS	100	1	-46.821943723903	-24.191125298187	VS	100	1
-46.868767969111	-24.217823769171	VS	100	1	-46.821879173384	-24.189538175801	VS	100	1
-46.84252953199	-24.157116980497	VS	100	1	-46.821854649958	-24.19006166675	VS	100	1
-46.836611204311	-24.157928247229	VS	100	1	-46.820942615972	-24.151392042316	VS	70	1
-46.8256110427	-24.157762799292	VS	100	1	-46.822006350878	-24.200318658457	VS	70	1
-46.816376887568	-24.191857043101	VS	100	1	-46.820850183209	-24.15120692293	VS	70	1
-46.814692075293	-24.190998512237	VS	100	1	-46.821946042253	-24.200565663619	VS	70	1
-46.811025003646	-24.188406537935	VS	100	1	-46.821854762686	-24.197594940103	VS	100	1
-46.810791435468	-24.193959305555	VS	100	1	-46.820751284008	-24.151598733336	VS	70	1
-46.801725969035	-24.194311869133	VS	100	1	-46.821657866684	-24.191087172562	VS	100	1
-46.788472410901	-24.176602615803	VS	100	1	-46.821652507004	-24.190591847661	VS	100	1
-46.78817788386	-24.174875033353	VS	100	1	-46.821620469203	-24.190025221773	VS	100	1
-46.786444783973	-24.176432136843	VS	100	1	-46.821557508176	-24.189491782179	VS	100	1
-46.781799749497	-24.177110653413	VS	100	1	-46.871776338613	-24.21624483101	VS	70	1
-46.77351270401	-24.157674011584	VS	100	1	-46.872050976538	-24.228168809787	VS	100	1
-46.768982690341	-24.157457645118	VS	100	1	-46.872042971285	-24.229156706499	VS	100	1
-46.76719609295	-24.163671708207	VS	100	1	-46.872041459016	-24.229801994779	VS	100	1
-46.870271845631	-24.231857265479	VS	70	1	-46.871942503923	-24.22740697292	VS	100	1
-46.868588547167	-24.224436981819	VS	100	1	-46.871850937335	-24.228170147827	VS	100	1
-46.867989707738	-24.224852217737	VS	100	1	-46.871437886426	-24.215972957632	VS	100	1
-46.870530774797	-24.231669169484	VS	70	1	-46.821381456473	-24.188976767235	VS	100	1
-46.870841545538	-24.231441637406	VS	70	1	-46.82130207017	-24.189990448661	VS	100	1
-46.871372640942	-24.231071626753	VS	70	1	-46.871743772651	-24.229373240693	VS	100	1
-46.867949615629	-24.225776169424	VS	100	1	-46.871472954172	-24.220187265181	VS	100	1
-46.867642070202	-24.225095901036	VS	100	1	-46.87154435085	-24.227971385228	VS	100	1
-46.867594643851	-24.225893541275	VS	100	1	-46.871173093564	-24.216108126814	VS	100	1
-46.867286144333	-24.226109831847	VS	100	1	-46.871165394941	-24.215873987748	VS	70	1
-46.866996588821	-24.226317340954	VS	100	1	-46.871393353286	-24.22779044535	VS	100	1
-46.840188356762	-24.162441424355	VS	100	1	-46.871169988608	-24.216782233343	VS	70	1
-46.839975011859	-24.16266687954	VS	100	1	-46.87146344277	-24.229562940094	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.839754992471	-24.16290963436	VS	100	1	-46.871407647485	-24.226362603551	VS	100	1
-46.839524841103	-24.163134512396	VS	100	1	-46.821329332834	-24.191046936694	VS	100	1
-46.839199737517	-24.163108824045	VS	70	1	-46.821331332351	-24.190532456642	VS	100	1
-46.838949057572	-24.162896496291	VS	70	1	-46.87126191008	-24.227782150144	VS	100	1
-46.838658587816	-24.162649108037	VS	70	1	-46.870941200737	-24.216268100399	VS	100	1
-46.836161623327	-24.205663706256	VS	70	1	-46.821260027452	-24.188811288521	VS	100	1
-46.831424370335	-24.176344533984	VS	70	1	-46.821184876693	-24.188544180893	VS	100	1
-46.872789022804	-24.224692487945	VS	70	1	-46.821210235677	-24.189450923725	VS	100	1
-46.820990627711	-24.200113149716	VS	250	1	-46.821120196594	-24.18830378675	VS	100	1
-46.765539762948	-24.166583098426	VS	100	1	-46.79210660946	-24.177227861289	VS	100	1
-46.817336397459	-24.194639546731	VS	100	1	-46.872508325115	-24.214010137518	VS	100	1
-46.815951274205	-24.194568451568	VS	100	1	-46.872247132088	-24.214172834736	VS	100	1
-46.815576701409	-24.195016034513	VS	100	1	-46.871278120743	-24.228710546785	VS	100	1
-46.811386694631	-24.194593566454	VS	100	1	-46.870893566158	-24.215697873243	VS	100	1
-46.811298857412	-24.194258496088	VS	100	1	-46.870945391274	-24.216934227061	VS	100	1
-46.799658056186	-24.157973225093	VS	70	1	-46.871147255864	-24.226551943004	VS	100	1
-46.762590709256	-24.166594239595	VS	100	1	-46.871173844167	-24.229770473919	VS	100	1
-46.762410560015	-24.166863218179	VS	100	1	-46.87200654383	-24.215622999864	VS	100	1
-46.762428259832	-24.167100017968	VS	100	1	-46.871783789749	-24.214506755269	VS	100	1
-46.762706630649	-24.167249661366	VS	100	1	-46.871727469529	-24.215455688428	VS	100	1
-46.762955073367	-24.1673781143	VS	100	1	-46.821343835864	-24.202581131299	VS	250	1
-46.763253368804	-24.167540094657	VS	100	1	-46.821031016008	-24.18905078472	VS	100	1
-46.763143183209	-24.167393563634	VS	100	1	-46.820994933933	-24.18925106724	VS	100	1
-46.763023291528	-24.167579274974	VS	100	1	-46.820989563151	-24.190487628204	VS	100	1
-46.762862347491	-24.167830270483	VS	100	1	-46.820976927741	-24.189952397196	VS	100	1
-46.762720608934	-24.168063282259	VS	100	1	-46.820984429328	-24.191005646453	VS	100	1
-46.762540673031	-24.16834119213	VS	100	1	-46.820960388371	-24.18944763226	VS	100	1
-46.810848378743	-24.194518725338	VS	100	1	-46.871459673901	-24.214717017034	VS	100	1
-46.810687526467	-24.19476048507	VS	100	1	-46.8711912053	-24.215133614233	VS	100	1
-46.795321729832	-24.180205386542	VS	100	1	-46.871084191845	-24.228007149647	VS	100	1
-46.795293012999	-24.180490998774	VS	100	1	-46.870931569334	-24.227575834664	VS	100	1
-46.79526857289	-24.180772662998	VS	100	1	-46.871036756193	-24.228882008974	VS	100	1
-46.795236018908	-24.180897029429	VS	100	1	-46.870988495544	-24.227312011289	VS	70	1
-46.794940438383	-24.180905641519	VS	100	1	-46.870664662454	-24.216686902338	VS	100	1
-46.79467730533	-24.180895522152	VS	100	1	-46.870877111003	-24.226750384969	VS	70	1
-46.79439544216	-24.180885651113	VS	100	1	-46.870824597285	-24.227438232916	VS	70	1
-46.793617291297	-24.180121667913	VS	100	1	-46.820837823938	-24.190016746692	VS	100	1
-46.793406793406	-24.180375325088	VS	100	1	-46.820794785809	-24.190313877363	VS	100	1
-46.79320683956	-24.180635575363	VS	100	1	-46.820762858794	-24.190617182607	VS	100	1
-46.792906972918	-24.180575734295	VS	100	1	-46.873463568312	-24.218788355962	VS	100	1
-46.790501332306	-24.1762267203	VS	100	1	-46.873713111939	-24.218616775774	VS	70	1
-46.781036869137	-24.174121808006	VS	70	1	-46.874002902256	-24.218418156201	VS	70	1
-46.781293985554	-24.17429201905	VS	70	1	-46.874263442939	-24.218228687309	VS	70	1
-46.785068857364	-24.176756421924	VS	100	1	-46.87476966538	-24.218069516387	VS	100	1
-46.78485935804	-24.176651213032	VS	100	1	-46.874189885855	-24.219734431931	VS	70	1
-46.790107853101	-24.17611210276	VS	100	1	-46.874482958827	-24.219526163014	VS	70	1
-46.789921490312	-24.176479480501	VS	100	1	-46.869841872309	-24.217594366429	VS	100	1
-46.789856495508	-24.17622158057	VS	100	1	-46.86966875921	-24.217168337636	VS	100	1
-46.788695924654	-24.175254360446	VS	100	1	-46.869581136889	-24.217373360707	VS	100	1
-46.788513654157	-24.175844565957	VS	100	1	-46.86954346873	-24.218245797957	VS	100	1
-46.788457159235	-24.175060325848	VS	100	1	-46.820616022212	-24.190445974506	VS	100	1
-46.788432114712	-24.176130697394	VS	100	1	-46.820527611267	-24.188526796458	VS	100	1
-46.788349877704	-24.176390203907	VS	100	1	-46.820597245507	-24.18805319565	VS	100	1
-46.78311265829	-24.174450751928	VS	100	1	-46.82044416291	-24.188960473503	VS	100	1
-46.785345633646	-24.176870660925	VS	100	1	-46.875425827531	-24.218867933097	VS	70	1
-46.78822062383	-24.176050420557	VS	100	1	-46.875987099307	-24.218744387852	VS	100	1
-46.788117100999	-24.17575062182	VS	100	1	-46.855688059137	-24.20997016263	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.815238867401	-24.185340397414	VS	70	1	-46.855367799142	-24.210196749712	VS	70	1
-46.776196973555	-24.151577501822	VS	70	1	-46.869455151462	-24.217328534777	VS	100	1
-46.775571110455	-24.151252117052	VS	70	1	-46.869306480264	-24.218024643406	VS	100	1
-46.730509851059	-24.148278491758	VS	100	1	-46.820391406768	-24.188203077115	VS	100	1
-46.729611035188	-24.148784157589	VS	100	1	-46.820406226589	-24.189230479748	VS	100	1
-46.775223059989	-24.152298651685	VS	70	1	-46.869285261657	-24.217102251696	VS	100	1
-46.774922264181	-24.152138737366	VS	70	1	-46.869008717787	-24.216862431321	VS	100	1
-46.774721034621	-24.152650340105	VS	70	1	-46.869173810768	-24.223387785431	VS	70	1
-46.83042697136	-24.191796786383	VS	70	1	-46.869048283219	-24.217810891784	VS	100	1
-46.774422792743	-24.152491938122	VS	70	1	-46.868983682979	-24.218230804745	VS	100	1
-46.774288436294	-24.153037139252	VS	70	1	-46.870474171206	-24.216621165511	VS	100	1
-46.774000258349	-24.152887598503	VS	70	1	-46.870785839153	-24.229062443934	VS	100	1
-46.773826389631	-24.152175143884	VS	70	1	-46.870384813725	-24.216423317537	VS	100	1
-46.772200247685	-24.158620552318	VS	100	1	-46.870591650001	-24.228350140185	VS	100	1
-46.771920299713	-24.158818905549	VS	100	1	-46.870213950481	-24.216794298655	VS	100	1
-46.771630375252	-24.159008389263	VS	100	1	-46.788404273145	-24.186140881165	VS	150	1
-46.771319442827	-24.15923121489	VS	100	1	-46.787513359314	-24.17868173583	VS	100	1
-46.770371636155	-24.155903448812	VS	70	1	-46.873191590066	-24.218977864384	VS	100	1
-46.770122928442	-24.155762524614	VS	70	1	-46.82035523306	-24.189561138622	VS	100	1
-46.832817587864	-24.161829020672	VS	100	1	-46.820320189664	-24.189000336003	VS	100	1
-46.83253703098	-24.161590341541	VS	100	1	-46.820285093991	-24.187864833538	VS	100	1
-46.880878067061	-24.237690838013	VS	100	1	-46.820228876242	-24.190390241845	VS	100	1
-46.857536039347	-24.219066122762	VS	100	1	-46.820208493649	-24.188472617323	VS	100	1
-46.860154419943	-24.221126081219	VS	100	1	-46.791965516862	-24.177129980102	VS	100	1
-46.887726602102	-24.242932119961	VS	100	1	-46.884634497217	-24.237624516305	VS	100	1
-46.887491897321	-24.243112317676	VS	100	1	-46.884183241018	-24.237264978989	VS	100	1
-46.875239992983	-24.21548840023	VS	100	1	-46.883197129721	-24.236690162608	VS	100	1
-46.838253707438	-24.211905902642	VS	100	1	-46.88431510431	-24.237421767663	VS	100	1
-46.866462723126	-24.224560559639	VS	100	1	-46.822011472271	-24.190601894201	VS	100	1
-46.896523022199	-24.229780681921	VS	100	1	-46.882905778132	-24.236514174669	VS	100	1
-46.854626840776	-24.169964466765	VS	100	1	-46.883358108088	-24.237652523026	VS	100	1
-46.844364078929	-24.167391909709	VS	70	1	-46.885537394834	-24.238215546107	VS	100	1
-46.844107428497	-24.167176495514	VS	70	1	-46.870321186195	-24.228539735926	VS	100	1
-46.843862203676	-24.166976972828	VS	70	1	-46.820011011236	-24.187118208633	VS	100	1
-46.843559726919	-24.166721979201	VS	70	1	-46.82002368815	-24.188969299574	VS	100	1
-46.843270927247	-24.166497093873	VS	70	1	-46.869004288491	-24.22336292777	VS	70	1
-46.842965778939	-24.166248490984	VS	70	1	-46.868766594933	-24.216660017036	VS	100	1
-46.842675295808	-24.166009827121	VS	70	1	-46.868766182828	-24.217573841183	VS	100	1
-46.842377158613	-24.165760251614	VS	70	1	-46.868875813502	-24.223247416977	VS	70	1
-46.819680695829	-24.19413017547	VS	100	1	-46.868735331261	-24.218023018462	VS	100	1
-46.819465344458	-24.194017490596	VS	100	1	-46.868528281913	-24.217988061804	VS	100	1
-46.819141967467	-24.19386311318	VS	100	1	-46.868685674921	-24.223588531672	VS	70	1
-46.819898825478	-24.19410271053	VS	70	1	-46.868526073869	-24.216399526509	VS	100	1
-46.818921656367	-24.19770367843	VS	100	1	-46.868543655115	-24.218623799324	VS	100	1
-46.891650177493	-24.239063686331	VS	100	1	-46.870215016504	-24.227139133834	VS	100	1
-46.778980618444	-24.177140789525	VS	100	1	-46.869975730628	-24.216808862916	VS	100	1
-46.779116805919	-24.177248796573	VS	100	1	-46.869103389967	-24.187122260618	VS	100	1
-46.779278582241	-24.177299001207	VS	100	1	-46.785594242756	-24.114221571545	VS	100	1
-46.779547597837	-24.177440127363	VS	100	1	-46.873347552165	-24.218128975542	VS	70	1
-46.779855464771	-24.177589524824	VS	100	1	-46.873904722526	-24.217639179563	VS	250	1
-46.779901574917	-24.177651884643	VS	100	1	-46.81979998484	-24.188153805448	VS	100	1
-46.779817245125	-24.176714879652	VS	100	1	-46.874524196394	-24.21804814088	VS	100	1
-46.779527508766	-24.176922339623	VS	100	1	-46.868450516745	-24.217776868157	VS	100	1
-46.94015321764	-24.197969231327	VS	100	1	-46.868300738266	-24.218140412747	VS	100	1
-46.775915579097	-24.157407625233	VS	70	1	-46.868318457125	-24.216203900943	VS	100	1
-46.77563416254	-24.157612319638	VS	70	1	-46.868294645667	-24.218397123205	VS	100	1
-46.867252261371	-24.224010346994	VS	100	1	-46.868376894205	-24.223814068439	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867551442646	-24.223793811612	VS	100	1	-46.818945198824	-24.198763046473	VS	250	1
-46.866953069584	-24.22422687237	VS	100	1	-46.869685206643	-24.216564146744	VS	100	1
-46.867860456855	-24.223577209219	VS	100	1	-46.870041391383	-24.22873813898	VS	100	1
-46.866605159335	-24.22446166475	VS	100	1	-46.869980567031	-24.226994109619	VS	100	1
-46.868179062044	-24.223351597968	VS	100	1	-46.869821783777	-24.226787675074	VS	100	1
-46.868478686053	-24.223152906792	VS	100	1	-46.869771269991	-24.228936560863	VS	100	1
-46.876571426089	-24.225875489757	VS	100	1	-46.869675931021	-24.226803935321	VS	100	1
-46.863445237423	-24.211825435362	VS	100	1	-46.818485973714	-24.193537900834	VS	100	1
-46.863652724823	-24.212072645	VS	100	1	-46.786973289669	-24.17722835976	VS	100	1
-46.863861818922	-24.212316706359	VS	100	1	-46.786656614233	-24.177105959739	VS	100	1
-46.863433260175	-24.212012180241	VS	100	1	-46.785853948651	-24.176766132608	VS	100	1
-46.863147364128	-24.212222381162	VS	100	1	-46.786863309441	-24.175822400685	VS	100	1
-46.868378733558	-24.223001501357	VS	70	1	-46.786821834719	-24.175769601465	VS	100	1
-46.866100230916	-24.22463025267	VS	70	1	-46.786329392915	-24.176120712047	VS	100	1
-46.866315789923	-24.224678113107	VS	100	1	-46.786220015065	-24.172347341173	VS	100	1
-46.87161400945	-24.23090017357	VS	70	1	-46.86857083889	-24.226644885551	VS	100	1
-46.871322666163	-24.230911445648	VS	70	1	-46.868367256101	-24.226525989008	VS	100	1
-46.848653128365	-24.213091617406	VS	70	1	-46.813292882068	-24.192205048489	VS	100	1
-46.780521952155	-24.162082072049	VS	70	1	-46.736958521666	-24.156036926799	VS	100	1
-46.89955679546	-24.223376218976	VS	70	1	-46.736944900363	-24.156480030078	VS	100	1
-46.897061344442	-24.225243642286	VS	70	1	-46.737137521215	-24.156581931149	VS	100	1
-46.897302879817	-24.225044854433	VS	70	1	-46.737474509492	-24.156764196741	VS	100	1
-46.89748552867	-24.22490982893	VS	70	1	-46.737824540331	-24.156931590681	VS	100	1
-46.78235473653	-24.163943815528	VS	70	1	-46.736534002947	-24.15594828703	VS	100	1
-46.897658146059	-24.224791420477	VS	70	1	-46.736383883088	-24.155863388075	VS	100	1
-46.894351900266	-24.227168613397	VS	70	1	-46.736156116822	-24.15588475221	VS	100	1
-46.894091363563	-24.227358118196	VS	70	1	-46.736164288363	-24.156618525829	VS	100	1
-46.89381160522	-24.227565641184	VS	70	1	-46.736519683421	-24.156767834628	VS	100	1
-46.900081849637	-24.222872666411	VS	70	1	-46.736709247753	-24.156867099339	VS	100	1
-46.900344146491	-24.222657147818	VS	70	1	-46.73704764657	-24.157046538488	VS	100	1
-46.900609694104	-24.222451526394	VS	70	1	-46.737172672729	-24.157107826541	VS	100	1
-46.9009132627	-24.222264557101	VS	70	1	-46.735901087304	-24.156798631741	VS	100	1
-46.901192422593	-24.222044929047	VS	70	1	-46.735981868641	-24.156966866391	VS	100	1
-46.901585761881	-24.221682607209	VS	70	1	-46.736162436683	-24.15707398472	VS	100	1
-46.753522879051	-24.167201833769	VS	70	1	-46.736540281006	-24.15727658091	VS	100	1
-46.848939665784	-24.213257936233	VS	70	1	-46.736917633363	-24.157470075013	VS	100	1
-46.823659387888	-24.196957554652	VS	100	1	-46.735288649552	-24.15651606233	VS	100	1
-46.879548183745	-24.225013781489	VS	70	1	-46.734832174171	-24.156848477934	VS	100	1
-46.767429752517	-24.168286957024	VS	100	1	-46.734679396902	-24.157066184617	VS	100	1
-46.883970192932	-24.220810001308	VS	70	1	-46.735189248458	-24.157321533467	VS	100	1
-46.88608648147	-24.220157453823	VS	70	1	-46.735097759008	-24.157326968112	VS	100	1
-46.872764083019	-24.227668570997	VS	70	1	-46.735372558055	-24.157186396441	VS	100	1
-46.819904270229	-24.186725685868	VS	70	1	-46.726551134603	-24.14423208027	VS	70	1
-46.8201341662	-24.187340319891	VS	70	1	-46.776485532996	-24.155555263822	VS	70	1
-46.820596653801	-24.185611959005	VS	70	1	-46.880124320537	-24.206902748052	VS	70	1
-46.820180071398	-24.187580117356	VS	70	1	-46.784527671585	-24.159487600633	VS	70	1
-46.898476860866	-24.224171650674	VS	70	1	-46.78482941804	-24.15933558935	VS	70	1
-46.898750250785	-24.223969707169	VS	70	1	-46.735600094842	-24.157015128805	VS	100	1
-46.899016009896	-24.223763175145	VS	70	1	-46.735603960075	-24.156290013734	VS	100	1
-46.865612895005	-24.208878203959	VS	250	1	-46.735903071155	-24.15606473691	VS	100	1
-46.865958573269	-24.208507246861	VS	70	1	-46.736059067198	-24.155171281306	VS	100	1
-46.865726593303	-24.208241314905	VS	70	1	-46.735827599168	-24.155338572427	VS	100	1
-46.865483985553	-24.207949586524	VS	70	1	-46.736462908429	-24.155659211261	VS	100	1
-46.866211412713	-24.208782671761	VS	70	1	-46.735072126535	-24.155997601967	VS	100	1
-46.866446240104	-24.209066415733	VS	70	1	-46.840652811315	-24.166049437414	VS	70	1
-46.866315815918	-24.207902457526	VS	70	1	-46.734910486283	-24.156000323924	VS	100	1
-46.866983566732	-24.208670135789	VS	70	1	-46.735315496616	-24.156271929684	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.866073582012	-24.207603085294	VS	70	1	-46.734850465302	-24.155749458483	VS	100	1
-46.901498378333	-24.230122587868	VS	70	1	-46.734653574625	-24.156196344562	VS	100	1
-46.867109031058	-24.207711419356	VS	70	1	-46.734340958662	-24.156414902598	VS	100	1
-46.866885818359	-24.207447620754	VS	70	1	-46.734092079371	-24.1567134984	VS	100	1
-46.867454878814	-24.2070409933	VS	70	1	-46.734390646663	-24.156889807934	VS	100	1
-46.867242836977	-24.206775875862	VS	70	1	-46.833616888478	-24.155907017341	VS	100	1
-46.868164641425	-24.207845134348	VS	70	1	-46.833384447267	-24.155724384922	VS	100	1
-46.868732737152	-24.207446112495	VS	70	1	-46.739343843858	-24.154521831366	VS	100	1
-46.867821716807	-24.206369152739	VS	70	1	-46.738949948938	-24.154368558528	VS	100	1
-46.868840252824	-24.206492639862	VS	70	1	-46.831777251341	-24.184573346798	VS	70	1
-46.868613918464	-24.206229245729	VS	70	1	-46.868531725387	-24.21428335976	VS	70	1
-46.868381280223	-24.205954391612	VS	70	1	-46.73819564234	-24.154615004366	VS	100	1
-46.869039129288	-24.206782896061	VS	70	1	-46.737933002666	-24.15449670295	VS	100	1
-46.869279304226	-24.207074075441	VS	70	1	-46.73836756607	-24.154064205234	VS	100	1
-46.868916513763	-24.205577566242	VS	70	1	-46.738361182216	-24.154152233211	VS	100	1
-46.869762711326	-24.205425684768	VS	70	1	-46.738650840812	-24.154225608769	VS	100	1
-46.869530269922	-24.205151081086	VS	70	1	-46.739419091896	-24.155259791188	VS	100	1
-46.869848567287	-24.206659085283	VS	70	1	-46.739754233886	-24.155441756623	VS	100	1
-46.87076225891	-24.205583959845	VS	70	1	-46.741688219427	-24.155803436908	VS	100	1
-46.870997780079	-24.205864677566	VS	70	1	-46.741340231447	-24.155618510715	VS	100	1
-46.870709075438	-24.204365286082	VS	70	1	-46.74104228924	-24.155468971348	VS	100	1
-46.870920411071	-24.204612220864	VS	70	1	-46.740723250695	-24.155303515326	VS	100	1
-46.871125744504	-24.204844124472	VS	70	1	-46.740353472737	-24.15502778769	VS	100	1
-46.871608086499	-24.205427675791	VS	70	1	-46.740321100802	-24.155170272389	VS	100	1
-46.871715449363	-24.204463221408	VS	70	1	-46.740146011656	-24.154920354882	VS	100	1
-46.871490758733	-24.204207269356	VS	70	1	-46.740415094076	-24.155788067365	VS	100	1
-46.871258305166	-24.203932667821	VS	70	1	-46.739125945122	-24.155922318177	VS	100	1
-46.87197927903	-24.204764767468	VS	70	1	-46.738808951318	-24.155757185934	VS	100	1
-46.872211081512	-24.205038007094	VS	70	1	-46.738547666782	-24.155609551035	VS	100	1
-46.810060065421	-24.196724932854	VS	250	1	-46.738286494195	-24.155465957777	VS	100	1
-46.886712941162	-24.241324178263	VS	100	1	-46.738086179362	-24.155149466026	VS	100	1
-46.838628649043	-24.203575632425	VS	70	1	-46.737445954999	-24.154858969941	VS	100	1
-46.838316693023	-24.204087048571	VS	70	1	-46.737647697481	-24.15468639056	VS	100	1
-46.896770001887	-24.236354862402	VS	100	1	-46.737141341654	-24.154886091628	VS	100	1
-46.847157613981	-24.168276826077	VS	70	1	-46.736825321408	-24.154724940785	VS	100	1
-46.846915529203	-24.168493924742	VS	70	1	-46.736584075257	-24.154598292682	VS	100	1
-46.788457858319	-24.183428222213	VS	250	1	-46.736966279264	-24.15452149628	VS	100	1
-46.787901585995	-24.18314696109	VS	250	1	-46.737274157157	-24.154290321886	VS	100	1
-46.779619323405	-24.170557310951	VS	70	1	-46.737460707161	-24.154149718786	VS	100	1
-46.907756925342	-24.230580400416	VS	70	1	-46.737712381558	-24.153962326851	VS	100	1
-46.842255404256	-24.170554999803	VS	70	1	-46.73776524506	-24.153741396534	VS	100	1
-46.78965810699	-24.164242115571	VS	70	1	-46.738080830301	-24.153908221821	VS	100	1
-46.764928727618	-24.169086448612	VS	100	1	-46.737541543712	-24.153622840971	VS	100	1
-46.765216451554	-24.168858414674	VS	100	1	-46.737173833837	-24.153696123119	VS	100	1
-46.742201360976	-24.148304753208	VS	100	1	-46.736895264779	-24.153895716494	VS	100	1
-46.742693601203	-24.147953276849	VS	100	1	-46.736634657326	-24.154086093432	VS	100	1
-46.742452502813	-24.148133428921	VS	100	1	-46.736297911586	-24.154335904527	VS	100	1
-46.741959955823	-24.148476051637	VS	100	1	-46.73593693501	-24.154025776757	VS	100	1
-46.741709017597	-24.148656296897	VS	100	1	-46.736235818176	-24.153798589966	VS	100	1
-46.741448261321	-24.148836609791	VS	100	1	-46.736496581778	-24.15361828826	VS	100	1
-46.741207129588	-24.149016776587	VS	100	1	-46.735383531507	-24.15378836094	VS	100	1
-46.740955984493	-24.149188098328	VS	100	1	-46.735677045353	-24.153578460694	VS	100	1
-46.740463764855	-24.149539559507	VS	100	1	-46.758536959986	-24.164433921287	VS	100	1
-46.739923048854	-24.149918160276	VS	100	1	-46.74093384874	-24.154642047652	VS	100	1
-46.739657332872	-24.150108617379	VS	100	1	-46.74123845039	-24.154521184585	VS	100	1
-46.740183799488	-24.14973785035	VS	100	1	-46.741431148659	-24.154368126467	VS	100	1
-46.739380223816	-24.150307509227	VS	100	1	-46.740623929804	-24.154486069427	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.739083154971	-24.15051303646	VS	100	1	-46.740299929471	-24.154316263887	VS	100	1
-46.727834856599	-24.127389042789	VS	100	1	-46.739899255053	-24.154106178116	VS	100	1
-46.728069332107	-24.127312970342	VS	70	1	-46.739609443568	-24.153954276476	VS	100	1
-46.728272005446	-24.127236439074	VS	70	1	-46.7392853036	-24.153786394446	VS	100	1
-46.86666109193	-24.217483264222	VS	70	1	-46.739214102159	-24.153623081194	VS	100	1
-46.866371447335	-24.217690834925	VS	70	1	-46.738999180747	-24.153643285818	VS	100	1
-46.722045466946	-24.138954239986	VS	70	1	-46.741594173403	-24.153950267039	VS	100	1
-46.8544446159135	-24.214835808626	VS	70	1	-46.741474185128	-24.154132864377	VS	100	1
-46.813522693248	-24.176670402036	VS	70	1	-46.741186053841	-24.153983257359	VS	100	1
-46.873361783611	-24.229672734232	VS	70	1	-46.740858261783	-24.153816096752	VS	100	1
-46.873612972185	-24.22950119227	VS	70	1	-46.740309904332	-24.153607472081	VS	100	1
-46.828497700607	-24.186017914154	VS	70	1	-46.741971462255	-24.153971687262	VS	100	1
-46.840284623586	-24.197551201806	VS	70	1	-46.74187995115	-24.153736675459	VS	100	1
-46.864044851291	-24.219368332169	VS	70	1	-46.742315869781	-24.153945938315	VS	100	1
-46.864272482075	-24.21917367718	VS	70	1	-46.735371258875	-24.155666513449	VS	100	1
-46.86456225548	-24.219005191526	VS	70	1	-46.735587898276	-24.155510843501	VS	100	1
-46.866069705428	-24.217902782559	VS	70	1	-46.738349248393	-24.154947714942	VS	100	1
-46.865785817476	-24.218108001916	VS	70	1	-46.787153881853	-24.17849325638	VS	100	1
-46.844403512537	-24.200636762305	VS	70	1	-46.786949786162	-24.178395421081	VS	150	1
-46.844232522617	-24.200910717981	VS	70	1	-46.786513799884	-24.178981457573	VS	250	1
-46.844045803724	-24.201220705071	VS	70	1	-46.786311856712	-24.178972341874	VS	100	1
-46.841715869472	-24.205084261358	VS	70	1	-46.79186979755	-24.178924650665	VS	100	1
-46.756215547948	-24.158856137598	VS	70	1	-46.791770647525	-24.178712508531	VS	100	1
-46.755987043822	-24.158741394397	VS	70	1	-46.791615687362	-24.178795893656	VS	100	1
-46.813041238609	-24.179878318298	VS	70	1	-46.791475884749	-24.178144802482	VS	100	1
-46.729630699683	-24.124545167135	VS	70	1	-46.791317514335	-24.178646380677	VS	100	1
-46.730131296245	-24.124724818329	VS	70	1	-46.791169159402	-24.177987930447	VS	100	1
-46.723819736976	-24.138627443881	VS	70	1	-46.791026704127	-24.178512983654	VS	100	1
-46.724063617404	-24.138909316682	VS	70	1	-46.790893976268	-24.177847067625	VS	100	1
-46.773971647447	-24.164829966803	VS	70	1	-46.744128439012	-24.157069514359	VS	70	1
-46.774897328861	-24.164164261212	VS	70	1	-46.79063632016	-24.1781343709	VS	100	1
-46.775219895267	-24.163933349099	VS	70	1	-46.790462773117	-24.178215455691	VS	100	1
-46.773353082691	-24.165284118748	VS	70	1	-46.790340412745	-24.177543370939	VS	100	1
-46.773060065401	-24.165502286857	VS	70	1	-46.790174519275	-24.178065935585	VS	100	1
-46.772741475876	-24.16572768713	VS	70	1	-46.789886199215	-24.177916359076	VS	100	1
-46.776329615006	-24.15493126506	VS	70	1	-46.789601140212	-24.177773733302	VS	100	1
-46.776592934876	-24.1547396985	VS	70	1	-46.787937620293	-24.177231174218	VS	100	1
-46.776876453578	-24.154536853816	VS	70	1	-46.789300010533	-24.177617454377	VS	100	1
-46.778321718874	-24.153506916142	VS	70	1	-46.788970360004	-24.177445095137	VS	100	1
-46.778043583166	-24.153712329462	VS	70	1	-46.788693522154	-24.177299684048	VS	100	1
-46.777258448775	-24.153367037474	VS	70	1	-46.787566372865	-24.177411187219	VS	100	1
-46.769602748161	-24.159732627085	VS	70	1	-46.791902148551	-24.177610167602	VS	100	1
-46.770304822854	-24.159232962197	VS	70	1	-46.791848948146	-24.1781451907	VS	100	1
-46.769933192201	-24.159500475289	VS	70	1	-46.791853197942	-24.179637845944	VS	100	1
-46.773080603056	-24.157248904358	VS	70	1	-46.791752082981	-24.178282329558	VS	100	1
-46.773350737235	-24.157050618636	VS	70	1	-46.791750846046	-24.179031661104	VS	100	1
-46.773640487592	-24.156852191475	VS	70	1	-46.791696724728	-24.179310168207	VS	100	1
-46.773891407466	-24.1566718896	VS	70	1	-46.791687000449	-24.180133825601	VS	100	1
-46.772273299391	-24.1578181675	VS	70	1	-46.791645078309	-24.179613843658	VS	100	1
-46.771730524451	-24.158215142013	VS	70	1	-46.791576027012	-24.177665605084	VS	100	1
-46.771176372268	-24.158604829196	VS	70	1	-46.791594183281	-24.179943694648	VS	100	1
-46.770294029105	-24.158296361336	VS	70	1	-46.791525154854	-24.179470728888	VS	100	1
-46.770487155654	-24.15850283665	VS	70	1	-46.791438353031	-24.18001940996	VS	100	1
-46.770043043035	-24.157999501905	VS	100	1	-46.791242304702	-24.177737312529	VS	100	1
-46.857503382272	-24.212253768911	VS	70	1	-46.791276478655	-24.179338686468	VS	100	1
-46.857644885868	-24.212420448835	VS	70	1	-46.791189970606	-24.179896346128	VS	100	1
-46.858177112026	-24.212096673956	VS	70	1	-46.791024296364	-24.179217654189	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.858409446759	-24.212362526992	VS	70	1	-46.790881349818	-24.177236241437	VS	100	1
-46.858498236077	-24.211533138751	VS	70	1	-46.790931871409	-24.179761247624	VS	100	1
-46.85867924102	-24.21174473983	VS	70	1	-46.790746023449	-24.178363241156	VS	100	1
-46.858861183643	-24.211957457261	VS	70	1	-46.790689117675	-24.177809757079	VS	100	1
-46.789391103629	-24.18518323516	VS	250	1	-46.790700327703	-24.179048637727	VS	100	1
-46.791002829674	-24.175464481868	VS	100	1	-46.790577062816	-24.177669212565	VS	100	1
-46.790237255413	-24.175379236289	VS	100	1	-46.79060172985	-24.178423785692	VS	100	1
-46.836997634128	-24.184942292754	VS	70	1	-46.790593336499	-24.179588356901	VS	100	1
-46.837177997332	-24.185416399379	VS	70	1	-46.790553564556	-24.178711788206	VS	100	1
-46.837416738259	-24.185641210596	VS	70	1	-46.790501975411	-24.179015149037	VS	100	1
-46.837682025519	-24.185906589944	VS	70	1	-46.790459604897	-24.179301445462	VS	250	1
-46.877554063908	-24.225772884678	VS	70	1	-46.790352173855	-24.178863778197	VS	100	1
-46.867184186643	-24.214671138247	VS	70	1	-46.790325300286	-24.179456625048	VS	100	1
-46.711367270901	-24.143848327532	VS	100	1	-46.790052378574	-24.177402764444	VS	100	1
-46.821689839743	-24.161613427006	VS	100	1	-46.78975422009	-24.177253267357	VS	100	1
-46.816091526604	-24.189702050832	VS	250	2	-46.789546528552	-24.177238506645	VS	100	1
-46.776060687674	-24.155127787462	VS	70	1	-46.78860214942	-24.177614655353	VS	100	1
-46.847454739438	-24.149016176069	VS	70	1	-46.789488984713	-24.177533434775	VS	100	1
-46.808097858841	-24.14883762462	VS	70	1	-46.789457093787	-24.177807930483	VS	100	1
-46.808131699291	-24.149423293313	VS	70	1	-46.78814579284	-24.177093791333	VS	100	1
-46.862063340034	-24.210487386639	VS	70	1	-46.787970389966	-24.176956342849	VS	100	1
-46.861944651282	-24.210351022009	VS	70	1	-46.787581246189	-24.178004899098	VS	100	1
-46.815234587504	-24.188170564167	VS	70	1	-46.787455140668	-24.177452259036	VS	100	1
-46.809602452261	-24.190829510305	VS	70	1	-46.787350181904	-24.177607084938	VS	100	1
-46.866634975625	-24.215355480892	VS	70	1	-46.787265451747	-24.17775940525	VS	100	1
-46.866800690128	-24.215533397229	VS	70	1	-46.787237485656	-24.177822066112	VS	100	1
-46.860350206513	-24.21363470371	VS	70	1	-46.787057164074	-24.177732886041	VS	100	1
-46.80828656054	-24.19173547191	VS	70	1	-46.78671654465	-24.177547524401	VS	100	1
-46.817637700585	-24.195888510782	VS	70	1	-46.786110365768	-24.177994378843	VS	100	1
-46.833578573641	-24.205070887545	VS	100	1	-46.785921088183	-24.177888585946	VS	100	1
-46.90862627428	-24.240951992442	VS	100	1	-46.78549187985	-24.177959376652	VS	100	1
-46.81088874254	-24.18882674304	VS	100	1	-46.785405768322	-24.177712422169	VS	100	1
-46.810678942751	-24.188839909433	VS	100	1	-46.786438084466	-24.177406707644	VS	100	1
-46.810657419575	-24.188652119011	VS	100	1	-46.786597276547	-24.178231791438	VS	100	1
-46.810498222339	-24.189065849783	VS	100	1	-46.786289156753	-24.178082273463	VS	100	1
-46.810381102374	-24.189117577121	VS	100	1	-46.785642344836	-24.177635703179	VS	100	1
-46.810379562138	-24.188441952889	VS	100	1	-46.784828020763	-24.177913026829	VS	100	1
-46.809750550693	-24.188727342303	VS	100	1	-46.785301956597	-24.177449371303	VS	100	1
-46.810032194868	-24.188897159331	VS	100	1	-46.784376417622	-24.177933273966	VS	100	1
-46.809432822702	-24.188992784635	VS	100	1	-46.784023314042	-24.177733505332	VS	100	1
-46.810156561468	-24.188281865666	VS	100	1	-46.783937659492	-24.177233274958	VS	100	1
-46.809675623485	-24.187868224916	VS	70	1	-46.783805346414	-24.177439180737	VS	100	1
-46.817160290295	-24.193671843175	VS	100	1	-46.783706545398	-24.177572806907	VS	100	1
-46.815585373022	-24.193847812462	VS	100	1	-46.783377060429	-24.177390325243	VS	100	1
-46.814460829266	-24.192928067377	VS	100	1	-46.733872841624	-24.156757852518	VS	100	1
-46.824598082877	-24.181498533152	VS	70	1	-46.781684544487	-24.178464614581	VS	100	1
-46.876441259938	-24.214978565352	VS	70	1	-46.781548576585	-24.177282041454	VS	70	1
-46.875879876365	-24.214668024714	VS	70	1	-46.782129337532	-24.177765375452	VS	100	1
-46.773613173911	-24.174296402952	VS	70	1	-46.781922556736	-24.178057569632	VS	100	1
-46.773850390911	-24.174420075232	VS	70	1	-46.781897494175	-24.178020334378	VS	100	1
-46.774193468551	-24.174595839348	VS	70	1	-46.781799409249	-24.178245849031	VS	100	1
-46.774501456657	-24.174766166001	VS	70	1	-46.781574347502	-24.177472942202	VS	100	1
-46.774819685125	-24.174935613332	VS	70	1	-46.781569568134	-24.177853245899	VS	100	1
-46.788324554138	-24.155103349961	VS	100	1	-46.78132728239	-24.178364970422	VS	100	1
-46.789220644769	-24.156431789564	VS	100	1	-46.781283013956	-24.177280694807	VS	100	1
-46.868273641128	-24.214653681556	VS	70	1	-46.781248029172	-24.177499104514	VS	100	1
-46.868572451187	-24.214436265825	VS	70	1	-46.781060581029	-24.178240581209	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867771507074	-24.21499664166	VS	70	1	-46.780978791959	-24.177678844183	VS	100	1
-46.867500928821	-24.21517726071	VS	70	1	-46.780768160446	-24.17807534972	VS	100	1
-46.787683355331	-24.183028647597	VS	250	1	-46.7789957522	-24.176539808172	VS	100	1
-46.797748421949	-24.191449510687	VS	250	1	-46.778722246671	-24.176734247143	VS	100	1
-46.797131119806	-24.190786087966	VS	100	1	-46.780708939868	-24.177876931243	VS	100	1
-46.797671184883	-24.191049869339	VS	250	1	-46.780451840558	-24.177906227586	VS	100	1
-46.797523763841	-24.190800476743	VS	100	1	-46.780152856122	-24.177755039893	VS	100	1
-46.771279789908	-24.156374479969	VS	100	1	-46.778213173685	-24.180013235146	VS	100	1
-46.902904957909	-24.192858149215	VS	70	1	-46.778036715166	-24.180312376326	VS	100	1
-46.902632530067	-24.193046365948	VS	70	1	-46.777855389143	-24.18059279183	VS	100	1
-46.902269841661	-24.193294266811	VS	70	1	-46.777683231831	-24.180883333564	VS	100	1
-46.901956747516	-24.193515920573	VS	70	1	-46.780362520356	-24.178776129155	VS	100	1
-46.901724781683	-24.193669573437	VS	70	1	-46.780198588798	-24.179061258899	VS	100	1
-46.845455081395	-24.159026079329	VS	100	1	-46.779629176591	-24.178011036615	VS	100	1
-46.845357412859	-24.159283010046	VS	100	1	-46.77934192203	-24.178190489789	VS	100	1
-46.845123136616	-24.158979453755	VS	100	1	-46.779081682703	-24.178386342751	VS	100	1
-46.845150267166	-24.15806301936	VS	100	1	-46.779036111902	-24.177729015825	VS	100	1
-46.845001252433	-24.158394339493	VS	100	1	-46.778926677035	-24.178497165529	VS	100	1
-46.844880134466	-24.158691392457	VS	100	1	-46.778852382565	-24.177846362808	VS	100	1
-46.88940164788	-24.233388597035	VS	100	1	-46.778572395909	-24.178044723562	VS	100	1
-46.875952959777	-24.223178771198	VS	100	1	-46.778321227317	-24.178216105671	VS	100	1
-46.750163848873	-24.159284334854	VS	100	1	-46.778191766654	-24.177420315226	VS	100	1
-46.835575528794	-24.195093299957	VS	100	1	-46.778071837223	-24.178369883901	VS	100	1
-46.822561468092	-24.175146301319	VS	70	1	-46.777909855861	-24.177623688193	VS	100	1
-46.82172643552	-24.174904528933	VS	70	1	-46.777798867253	-24.178553868239	VS	100	1
-46.821525120562	-24.175160549102	VS	70	1	-46.877643602554	-24.230087083859	VS	100	1
-46.821324797659	-24.17540299998	VS	70	1	-46.777542947467	-24.178707139752	VS	100	1
-46.821419367717	-24.175570282643	VS	70	1	-46.777388740391	-24.177996194406	VS	100	1
-46.872217730559	-24.2084562214	VS	100	1	-46.777345650552	-24.178839777453	VS	100	1
-46.873637199141	-24.207472309812	VS	100	1	-46.833867413266	-24.156119212091	VS	100	1
-46.930842244322	-24.204877302319	VS	100	1	-46.736218139231	-24.153192586431	VS	100	1
-46.774201468341	-24.174366107996	VS	100	1	-46.733183393435	-24.155587522109	VS	100	1
-46.878428287447	-24.216423343606	VS	100	1	-46.732764927736	-24.155616538798	VS	100	1
-46.880987907606	-24.214593798645	VS	100	1	-46.887511165746	-24.235086223572	VS	100	1
-46.872853609726	-24.228570296503	VS	100	1	-46.878622325326	-24.223633564614	VS	100	1
-46.741981666784	-24.153159809388	VS	70	1	-46.815561248487	-24.193529507328	VS	100	1
-46.864998758198	-24.197528866933	VS	100	1	-46.862573464319	-24.216746743597	VS	100	1
-46.876567336344	-24.217761350569	VS	100	1	-46.880728045233	-24.233924335865	VS	100	1
-46.831599830884	-24.192397406042	VS	100	1	-46.878327177644	-24.223859682584	VS	100	1
-46.84565358137	-24.143456626305	VS	100	1	-46.908661264494	-24.244296010293	VS	100	1
-46.845839327594	-24.143187822249	VS	100	1	-46.906964263886	-24.244849497642	VS	100	1
-46.831878543363	-24.193784864837	VS	100	1	-46.906716920008	-24.244352923384	VS	100	1
-46.831908061956	-24.192579698729	VS	100	1	-46.905992826523	-24.246923833713	VS	100	1
-46.832225378655	-24.192772779585	VS	100	1	-46.905229951778	-24.236187627592	VS	100	1
-46.832519875355	-24.192951602459	VS	100	1	-46.904992329873	-24.236039022806	VS	100	1
-46.847632818704	-24.208650397143	VS	100	1	-46.904863731192	-24.236571054358	VS	100	1
-46.747060690035	-24.158469880397	VS	100	1	-46.904686317434	-24.235999091246	VS	100	1
-46.782434070945	-24.161562650449	VS	100	1	-46.904663320315	-24.235845324115	VS	100	1
-46.726666912832	-24.132529455024	VS	100	1	-46.904604745266	-24.236419276374	VS	100	1
-46.727123239803	-24.133385784458	VS	100	1	-46.904483601316	-24.236143519937	VS	100	1
-46.727001021189	-24.133171922558	VS	100	1	-46.904384378828	-24.235686984998	VS	100	1
-46.726780961101	-24.134170247868	VS	100	1	-46.904357630983	-24.237018325323	VS	100	1
-46.798272941311	-24.18881192494	VS	100	1	-46.904174943173	-24.236378135162	VS	100	1
-46.851392825142	-24.208108050665	VS	100	1	-46.904115019412	-24.235519625619	VS	100	1
-46.851624723629	-24.207505122448	VS	100	1	-46.904016133639	-24.236058092432	VS	100	1
-46.851406445555	-24.207565572723	VS	100	1	-46.903796140153	-24.23533483629	VS	100	1
-46.851689729	-24.207357271171	VS	100	1	-46.903766894705	-24.235908451417	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.851470842249	-24.207328579471	VS	100	1	-46.90364975863	-24.236576283075	VS	100	1
-46.850683506966	-24.206400220468	VS	100	1	-46.903518714043	-24.23515997313	VS	100	1
-46.850868224351	-24.206615852147	VS	100	1	-46.903458046408	-24.235732506534	VS	100	1
-46.856105290821	-24.216320780911	VS	100	1	-46.903380643248	-24.236417855323	VS	100	1
-46.755677607686	-24.168814711899	VS	100	1	-46.903248762481	-24.235609170422	VS	100	1
-46.889448189951	-24.233103599864	VS	100	1	-46.903051847036	-24.236224312314	VS	100	1
-46.890415658864	-24.232902090345	VS	100	1	-46.902710998316	-24.236025196039	VS	100	1
-46.891117568928	-24.231201403269	VS	100	1	-46.903924223428	-24.236567569343	VS	100	1
-46.890878387867	-24.231060563137	VS	100	1	-46.904265607415	-24.236216683913	VS	100	1
-46.891685740797	-24.231553513102	VS	100	1	-46.90400913639	-24.236805444467	VS	100	1
-46.892825015625	-24.232224661765	VS	100	1	-46.906126511005	-24.23188140256	VS	100	1
-46.892524661033	-24.232048665095	VS	100	1	-46.906028192945	-24.232473779735	VS	70	1
-46.878909869367	-24.221073623897	VS	100	1	-46.905875657612	-24.232054220029	VS	100	1
-46.869610556831	-24.223137674014	VS	100	1	-46.905846589617	-24.232278951938	VS	70	1
-46.864222076368	-24.214254674497	VS	100	1	-46.905605849976	-24.232261592019	VS	100	1
-46.862466742467	-24.211127467818	VS	100	1	-46.905354699839	-24.23243319224	VS	100	1
-46.861465818189	-24.21282423864	VS	100	1	-46.905094370202	-24.232631639585	VS	100	1
-46.861272464438	-24.212610050063	VS	100	1	-46.904871561908	-24.233869893864	VS	100	1
-46.861068273591	-24.212368039541	VS	100	1	-46.904649569289	-24.233630768538	VS	100	1
-46.860253474052	-24.211434013356	VS	100	1	-46.904563636689	-24.233019731441	VS	100	1
-46.860447296452	-24.211664904811	VS	100	1	-46.904204910635	-24.233125746699	VS	100	1
-46.860628279328	-24.21186606244	VS	100	1	-46.903982920208	-24.232886629727	VS	70	1
-46.860867716191	-24.212124351515	VS	100	1	-46.903770756314	-24.232647425736	VS	70	1
-46.861004170865	-24.212159505702	VS	100	1	-46.904843434212	-24.232812162014	VS	100	1
-46.862009759498	-24.212438384378	VS	100	1	-46.904417095455	-24.233364959824	VS	100	1
-46.860912874031	-24.213223288821	VS	100	1	-46.886719361813	-24.234039662528	VS	100	1
-46.860721442276	-24.213012911695	VS	100	1	-46.888916864823	-24.235128471642	VS	100	1
-46.860500764161	-24.212774896671	VS	100	1	-46.888608706822	-24.234979251345	VS	100	1
-46.86005282588	-24.212267210808	VS	100	1	-46.888317246246	-24.234830320005	VS	100	1
-46.859670900763	-24.211846507386	VS	100	1	-46.888097798785	-24.235375975208	VS	100	1
-46.859867471447	-24.21206141634	VS	100	1	-46.888012033956	-24.234680664404	VS	100	1
-46.860290383485	-24.212534943746	VS	100	1	-46.887799457106	-24.235226676304	VS	100	1
-46.859091752514	-24.212263320667	VS	100	1	-46.887690363381	-24.234691372052	VS	100	1
-46.859295531676	-24.212497874774	VS	100	1	-46.887684186824	-24.234522776771	VS	100	1
-46.859475478434	-24.212711267651	VS	100	1	-46.887355681366	-24.234355736986	VS	100	1
-46.85969302187	-24.212960712412	VS	100	1	-46.887420414351	-24.234898785079	VS	100	1
-46.860164741788	-24.213430123558	VS	100	1	-46.887150116599	-24.235088290354	VS	100	1
-46.859919039574	-24.21319013708	VS	100	1	-46.887017699621	-24.234188954026	VS	100	1
-46.859868093015	-24.21297095224	VS	100	1	-46.886905800451	-24.235277975378	VS	100	1
-46.857336124784	-24.214767007678	VS	100	1	-46.886894464023	-24.234769986098	VS	100	1
-46.856766846294	-24.215172862394	VS	100	1	-46.886634488367	-24.235480003051	VS	100	1
-46.85732052099	-24.215433227973	VS	100	1	-46.886586027444	-24.234611819133	VS	100	1
-46.857512898609	-24.21564496033	VS	100	1	-46.88631080025	-24.234477371369	VS	100	1
-46.855753367907	-24.214681030015	VS	100	1	-46.889506019225	-24.23544144979	VS	100	1
-46.855210572112	-24.215872754161	VS	100	1	-46.889210089499	-24.235309719768	VS	100	1
-46.855530862773	-24.215488583656	VS	100	1	-46.886373613309	-24.235175505103	VS	100	1
-46.859134982029	-24.213363340394	VS	100	1	-46.890005376829	-24.232690043489	VS	70	1
-46.858590304476	-24.213749099752	VS	100	1	-46.890480299532	-24.232336744555	VS	70	1
-46.85881029184	-24.214016870323	VS	100	1	-46.890132424655	-24.232170007715	VS	70	1
-46.836803195083	-24.197010622306	VS	100	1	-46.909587743001	-24.242864066371	VS	100	1
-46.847848156409	-24.208499818553	VS	100	1	-46.895269460262	-24.239910666662	VS	100	1
-46.848125497142	-24.208307348033	VS	100	1	-46.869111228531	-24.229652815128	VS	100	1
-46.847676992827	-24.207548100737	VS	100	1	-46.868805759685	-24.229622412792	VS	100	1
-46.84724061646	-24.207043774375	VS	100	1	-46.868792376524	-24.229467941454	VS	100	1
-46.847454725487	-24.207291065731	VS	100	1	-46.869104953213	-24.229405884884	VS	100	1
-46.847909588471	-24.207831618601	VS	100	1	-46.868506342367	-24.229830016738	VS	100	1
-46.848152153776	-24.208106635625	VS	100	1	-46.868493650261	-24.229300763421	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.848370874835	-24.208355801108	VS	100	1	-46.86821895337	-24.229323707756	VS	100	1
-46.848857398038	-24.208923354258	VS	100	1	-46.868489341218	-24.229134168337	VS	100	1
-46.849113200168	-24.209205610869	VS	100	1	-46.868778881366	-24.22892668346	VS	100	1
-46.84859630417	-24.208626076121	VS	100	1	-46.86904949017	-24.228746075054	VS	100	1
-46.849270197878	-24.208569537273	VS	100	1	-46.869319662312	-24.228547619851	VS	100	1
-46.849527970243	-24.208851982228	VS	100	1	-46.867634481885	-24.23034860976	VS	100	1
-46.849026265906	-24.208283214123	VS	100	1	-46.867367507043	-24.230192282913	VS	100	1
-46.849661666443	-24.208791633968	VS	100	1	-46.867760321016	-24.230362733843	VS	100	1
-46.849420886503	-24.208502349861	VS	100	1	-46.867049073068	-24.230069025719	VS	100	1
-46.849181719959	-24.208215787336	VS	100	1	-46.867965372513	-24.230209197653	VS	100	1
-46.831731161661	-24.202016052274	VS	100	1	-46.866804857783	-24.229912198928	VS	100	1
-46.830213264726	-24.200723106235	VS	100	1	-46.868245758134	-24.230019479934	VS	100	1
-46.830373708964	-24.20045418203	VS	100	1	-46.868434912164	-24.230738726444	VS	100	1
-46.82938679445	-24.199735917348	VS	100	1	-46.868306636178	-24.230738223446	VS	100	1
-46.8290687714	-24.199577756119	VS	100	1	-46.868609538514	-24.230919256618	VS	100	1
-46.829704741559	-24.199894021812	VS	100	1	-46.868912634843	-24.231098878978	VS	100	1
-46.830012943848	-24.200052264269	VS	100	1	-46.870599496411	-24.230178999248	VS	100	1
-46.830321157084	-24.200210497463	VS	100	1	-46.870881940371	-24.229968378085	VS	100	1
-46.830543754542	-24.200176252226	VS	100	1	-46.91236966789	-24.240845397326	VS	100	1
-46.830639222257	-24.200368675574	VS	100	1	-46.910645261429	-24.242095526137	VS	100	1
-46.831573142665	-24.200834202689	VS	100	1	-46.870298204423	-24.230400224788	VS	100	1
-46.832639951731	-24.200775644554	VS	100	1	-46.811718281439	-24.199650511655	VS	250	1
-46.833036147959	-24.200103366956	VS	100	1	-46.811597771624	-24.198860345679	VS	250	1
-46.833196585741	-24.199834438837	VS	100	1	-46.811364226554	-24.199626427197	VS	250	1
-46.833460933427	-24.199395175385	VS	100	1	-46.811238585763	-24.198836931321	VS	250	1
-46.833711153589	-24.199422125807	VS	100	1	-46.81100038895	-24.199602424137	VS	250	1
-46.834287878508	-24.199721044598	VS	100	1	-46.810848294622	-24.198805572981	VS	250	1
-46.833999515681	-24.199571585431	VS	100	1	-46.810685603133	-24.199578040111	VS	250	1
-46.918516410087	-24.213995414455	VS	100	1	-46.810456091434	-24.198775883034	VS	250	1
-46.918136212202	-24.21426854167	VS	100	1	-46.810400531618	-24.19956237182	VS	250	1
-46.917065046171	-24.215055057396	VS	100	1	-46.810209950138	-24.198760691741	VS	250	1
-46.924665440826	-24.209449223832	VS	100	1	-46.81007593378	-24.199538067914	VS	250	1
-46.925240430586	-24.209031139734	VS	100	1	-46.810040741182	-24.199189606793	VS	250	1
-46.928105768415	-24.206887259814	VS	100	1	-46.810063045028	-24.198884545266	VS	250	1
-46.928396043732	-24.206668663791	VS	100	1	-46.807990936818	-24.195497546665	VS	100	1
-46.927153243062	-24.207607210725	VS	100	1	-46.807662289333	-24.195303736281	VS	100	1
-46.933118489558	-24.203177586751	VS	100	1	-46.807297843414	-24.196065111445	VS	100	1
-46.932422150378	-24.20368694004	VS	100	1	-46.807560694535	-24.19502649234	VS	70	1
-46.931963845546	-24.204026313488	VS	100	1	-46.807370372696	-24.195277713786	VS	70	1
-46.931577661083	-24.204312070602	VS	100	1	-46.807362655284	-24.195109417575	VS	70	1
-46.931273507625	-24.20453369301	VS	100	1	-46.807113827606	-24.194968538441	VS	70	1
-46.92894964364	-24.206286814966	VS	100	1	-46.817434371106	-24.197998304415	VS	150	1
-46.929252331399	-24.206061768577	VS	100	1	-46.817106368187	-24.197831289496	VS	150	1
-46.930514681636	-24.205107250357	VS	100	1	-46.816842392123	-24.197065877116	VS	250	1
-46.937372567471	-24.200022635998	VS	100	1	-46.816614753003	-24.197490274298	VS	250	1
-46.936651070523	-24.200565920363	VS	100	1	-46.816428122398	-24.197484898351	VS	250	1
-46.938226005265	-24.199382945144	VS	100	1	-46.816085452666	-24.197308092511	VS	250	1
-46.938779305019	-24.198992858317	VS	100	1	-46.8159911366	-24.19775351103	VS	250	1
-46.939048891637	-24.198776399677	VS	100	1	-46.815546644671	-24.197049381438	VS	250	1
-46.832883234261	-24.196294158543	VS	100	1	-46.81541952961	-24.197642020511	VS	150	1
-46.832671922084	-24.196302020511	VS	100	1	-46.81520806246	-24.196882017821	VS	250	1
-46.832713474148	-24.196571216402	VS	100	1	-46.815123333826	-24.197590280185	VS	250	1
-46.832999736091	-24.196460090345	VS	100	1	-46.81497185983	-24.198287491781	VS	250	1
-46.833828797316	-24.194698806918	VS	100	1	-46.815192554325	-24.179422310684	VS	250	1
-46.834234961792	-24.195722988246	VS	100	1	-46.815278354441	-24.179221278299	VS	250	1
-46.834976638677	-24.194860419245	VS	100	1	-46.81509110743	-24.179663664978	VS	250	1
-46.834622635397	-24.195446169533	VS	100	1	-46.845948579929	-24.214030803633	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.834467832966	-24.195701108183	VS	100	1	-46.817192297445	-24.18029163036	VS	70	1
-46.853931724579	-24.208739273354	VS	100	1	-46.81729780759	-24.180105428568	VS	70	1
-46.853402075911	-24.208950373793	VS	100	1	-46.81707063786	-24.18047637842	VS	70	1
-46.853604329289	-24.209411055979	VS	100	1	-46.815143756919	-24.179786061865	VS	70	1
-46.853369526461	-24.209139025856	VS	100	1	-46.815711699447	-24.180106623787	VS	70	1
-46.853112797745	-24.209166755835	VS	100	1	-46.812744675042	-24.197430589436	VS	250	1
-46.852485001422	-24.209599996253	VS	100	1	-46.818682265208	-24.19877917066	VS	250	1
-46.852174443709	-24.209817689192	VS	100	1	-46.81862719448	-24.19860486543	VS	250	1
-46.852803801842	-24.209383338813	VS	100	1	-46.818363983615	-24.198612037613	VS	250	1
-46.852874897349	-24.208559119064	VS	100	1	-46.81828925041	-24.198437858981	VS	250	1
-46.853808113719	-24.208658354432	VS	100	1	-46.818137797031	-24.198502289065	VS	150	1
-46.853537533606	-24.208269706778	VS	100	1	-46.817991567394	-24.198279910828	VS	150	1
-46.853678664764	-24.208420294278	VS	100	1	-46.817775043241	-24.198692966832	VS	250	1
-46.854029926278	-24.208517094273	VS	100	1	-46.817725093731	-24.198153537681	VS	150	1
-46.855071139228	-24.207927691731	VS	100	1	-46.817610771312	-24.198823581843	VS	250	1
-46.855262756067	-24.208148835712	VS	100	1	-46.81734975701	-24.199020382594	VS	150	1
-46.856106393873	-24.207045775011	VS	100	1	-46.817176351778	-24.199139295606	VS	250	1
-46.855892948883	-24.207190765079	VS	100	1	-46.817000323436	-24.199276501795	VS	250	1
-46.855149929245	-24.207732022334	VS	100	1	-46.816756862167	-24.197275048974	VS	250	1
-46.854877435772	-24.207926911255	VS	100	1	-46.816748478676	-24.197655445904	VS	150	1
-46.854561025727	-24.208147074218	VS	100	1	-46.816743565262	-24.199463022912	VS	250	1
-46.855513850574	-24.210890718052	VS	100	1	-46.816481401925	-24.199653397943	VS	250	1
-46.855794033486	-24.210701123329	VS	100	1	-46.816371822477	-24.198070587387	VS	250	1
-46.85609341759	-24.210493540843	VS	100	1	-46.816298078156	-24.197813930126	VS	250	1
-46.856113797814	-24.211251823513	VS	100	1	-46.816264425234	-24.198364105876	VS	250	1
-46.856337503898	-24.211514675984	VS	100	1	-46.816250581954	-24.199842335452	VS	250	1
-46.85637424314	-24.210312581921	VS	100	1	-46.816176407635	-24.198696213667	VS	250	1
-46.867029936401	-24.215811625198	VS	100	1	-46.816094634253	-24.198945843698	VS	150	1
-46.866403467762	-24.215094349115	VS	100	1	-46.815736587975	-24.197140113535	VS	250	1
-46.867995679343	-24.214102243254	VS	100	1	-46.815695635272	-24.197711176497	VS	250	1
-46.863630533535	-24.218863614488	VS	100	1	-46.815625904052	-24.199753448596	VS	250	1
-46.864209714798	-24.218448553693	VS	100	1	-46.815516936227	-24.199456981306	VS	250	1
-46.864499274307	-24.218241030476	VS	100	1	-46.81544269636	-24.199215222523	VS	250	1
-46.863910310479	-24.218656160049	VS	100	1	-46.815346553211	-24.19891314844	VS	250	1
-46.863051116001	-24.219269758094	VS	100	1	-46.815262186083	-24.198672697842	VS	250	1
-46.872281978103	-24.220436798645	VS	100	1	-46.815187914643	-24.198433129035	VS	250	1
-46.86939805912	-24.216319025959	VS	100	1	-46.815081619049	-24.198103087579	VS	250	1
-46.865730583992	-24.22159007012	VS	100	1	-46.81498538878	-24.197782375039	VS	250	1
-46.86601584142	-24.221727095114	VS	100	1	-46.814895438663	-24.196717107766	VS	250	1
-46.871986949021	-24.225956506649	VS	100	1	-46.814870192703	-24.19746333158	VS	250	1
-46.87169736024	-24.226164042761	VS	100	1	-46.814732859822	-24.196909579626	VS	250	1
-46.93978885222	-24.198236750339	VS	100	1	-46.814667044811	-24.197531132395	VS	250	1
-46.929045740209	-24.203380415843	VS	100	1	-46.814446549529	-24.19699114063	VS	150	1
-46.931389672253	-24.201676288624	VS	100	1	-46.814535216737	-24.19713489636	VS	250	1
-46.930741378051	-24.202151961131	VS	100	1	-46.814333314194	-24.197506965508	VS	250	1
-46.902167465678	-24.230060292058	VS	70	1	-46.814294266928	-24.196342156363	VS	250	1
-46.9029248175	-24.229966470209	VS	70	1	-46.814198870999	-24.196864025838	VS	250	1
-46.901495627155	-24.228290502423	VS	70	1	-46.814129321417	-24.196616905145	VS	250	1
-46.901708005472	-24.228538631658	VS	70	1	-46.814038423864	-24.197491376973	VS	250	1
-46.901981372411	-24.228857995306	VS	70	1	-46.813959311231	-24.196894714962	VS	250	1
-46.902221558606	-24.229143544349	VS	70	1	-46.813880328162	-24.196710040585	VS	250	1
-46.905326469969	-24.228904918553	VS	100	1	-46.813836434289	-24.197091902582	VS	250	1
-46.830213452832	-24.19431115519	VS	100	1	-46.81371972338	-24.19587682949	VS	100	1
-46.904443023296	-24.227935820921	VS	100	1	-46.81379236557	-24.197466474827	VS	250	1
-46.898092582137	-24.233707545895	VS	100	1	-46.813704270369	-24.197316071682	VS	250	1
-46.896996135042	-24.231288618567	VS	100	1	-46.813615354004	-24.196058441843	VS	250	1
-46.897294525626	-24.231462570147	VS	100	1	-46.813633838686	-24.197532283412	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.830327230213	-24.194137810789	VS	100	1	-46.813582169854	-24.196560627817	VS	150	1
-46.831366040381	-24.192364096654	VS	100	1	-46.813536863035	-24.197432810337	VS	250	1
-46.830909633119	-24.193123620556	VS	100	1	-46.813454499413	-24.196318678478	VS	250	1
-46.830635616257	-24.193609832426	VS	100	1	-46.81324553631	-24.196614781636	VS	250	1
-46.831795129802	-24.193959141736	VS	100	1	-46.813260710694	-24.197426147873	VS	250	1
-46.831662058168	-24.194131931804	VS	100	1	-46.813094197315	-24.196856914121	VS	250	1
-46.831184432696	-24.194944583441	VS	100	1	-46.812955453205	-24.197419206733	VS	250	1
-46.831383190624	-24.194610141127	VS	100	1	-46.812933296754	-24.197107970465	VS	250	1
-46.830044230821	-24.194589432644	VS	100	1	-46.812710093847	-24.197258190341	VS	250	1
-46.829913558447	-24.194809774285	VS	100	1	-46.812499656815	-24.197012203972	VS	250	1
-46.829332741394	-24.194641381967	VS	100	1	-46.812276515098	-24.196753786293	VS	250	1
-46.830339921379	-24.196348640375	VS	100	1	-46.812262334084	-24.197797928844	VS	250	1
-46.830124419083	-24.196469436525	VS	100	1	-46.812064298488	-24.196505460453	VS	250	1
-46.82982603664	-24.196311121756	VS	100	1	-46.81204015967	-24.197540871719	VS	100	1
-46.828613195203	-24.195695810993	VS	100	1	-46.811848071149	-24.197310320069	VS	250	1
-46.828861757861	-24.195818888513	VS	100	1	-46.811750607611	-24.196423200222	VS	250	1
-46.829199837116	-24.195994738587	VS	100	1	-46.811649287618	-24.197086436028	VS	250	1
-46.829450915385	-24.195571546176	VS	100	1	-46.811478455968	-24.196610947334	VS	250	1
-46.821676947207	-24.195703806734	VS	100	1	-46.811448126028	-24.196854444107	VS	250	1
-46.821845903667	-24.195984093764	VS	100	1	-46.81120678743	-24.196797724433	VS	150	1
-46.822015484442	-24.195854709993	VS	100	1	-46.810919132331	-24.197012235512	VS	250	1
-46.82232553096	-24.196007616137	VS	100	1	-46.812568395196	-24.197722947686	VS	250	1
-46.837308552914	-24.18470241203	VS	70	1	-46.812450892002	-24.198157157642	VS	250	1
-46.834012060219	-24.185266651185	VS	100	1	-46.812427427201	-24.198407163913	VS	250	1
-46.833496387839	-24.184769378295	VS	70	1	-46.812408342119	-24.198669308987	VS	250	1
-46.833735857666	-24.185010200028	VS	70	1	-46.812659412427	-24.198240353703	VS	250	1
-46.861882819799	-24.205459764728	VS	100	1	-46.812604815344	-24.199204539512	VS	150	1
-46.86184334464	-24.205247510509	VS	100	1	-46.813610429881	-24.197847368823	VS	250	1
-46.861600986689	-24.204972816016	VS	100	1	-46.813904621551	-24.198304161811	VS	250	1
-46.862423031386	-24.205062885048	VS	100	1	-46.813856744784	-24.198898203755	VS	150	1
-46.862712852529	-24.204864232296	VS	100	1	-46.813807700127	-24.19937226524	VS	250	1
-46.862975049831	-24.204676521681	VS	100	1	-46.816003984864	-24.199214703999	VS	250	1
-46.862153119129	-24.20527024758	VS	100	1	-46.812370717883	-24.199317484141	VS	250	1
-46.859968749556	-24.206232629464	VS	100	1	-46.812384151962	-24.199058627621	VS	150	1
-46.866634037779	-24.209296333883	VS	70	1	-46.812340275652	-24.199669854582	VS	150	1
-46.874096484771	-24.216872796081	VS	100	1	-46.812286450394	-24.199708277297	VS	250	1
-46.873692260639	-24.216046193432	VS	100	1	-46.813829538629	-24.199146367477	VS	250	1
-46.874190203869	-24.216357292866	VS	100	1	-46.813253829664	-24.196393397834	VS	250	1
-46.874437253442	-24.216510891956	VS	100	1	-46.811743487767	-24.197977433046	VS	250	1
-46.876969237219	-24.215205941466	VS	100	1	-46.811976318088	-24.197996862372	VS	250	1
-46.876440932663	-24.213575429936	VS	100	1	-46.814418409191	-24.198212894247	VS	250	1
-46.87675009833	-24.213772176046	VS	100	1	-46.814686390254	-24.198253978298	VS	250	1
-46.870326882898	-24.227147438939	VS	100	1	-46.815339324724	-24.198365545284	VS	250	1
-46.870613331103	-24.227645297498	VS	100	1	-46.815684805017	-24.198443200573	VS	250	1
-46.870733229354	-24.22744730961	VS	100	1	-46.816030544261	-24.198529788051	VS	250	1
-46.872307340108	-24.228960360051	VS	100	1	-46.816724350939	-24.198739142808	VS	250	1
-46.748700581117	-24.16466969726	VS	100	1	-46.816355186936	-24.198616173241	VS	250	1
-46.742907929372	-24.159079327104	VS	70	1	-46.81707613539	-24.198854051201	VS	250	1
-46.716808739004	-24.145193218772	VS	100	1	-46.816636393133	-24.197927945855	VS	250	1
-46.715611355526	-24.146031350208	VS	100	1	-46.816924008319	-24.198032957235	VS	250	1
-46.715814287985	-24.145896094966	VS	100	1	-46.817191711301	-24.198129198019	VS	250	1
-46.717441776273	-24.145857478462	VS	100	1	-46.817746562612	-24.198339081821	VS	250	1
-46.717181439792	-24.146043672155	VS	100	1	-46.817499119154	-24.198246987329	VS	250	1
-46.725116305083	-24.148526164864	VS	100	1	-46.817707696806	-24.199088350403	VS	250	1
-46.72225863936	-24.139045265375	VS	70	1	-46.818015592634	-24.199230396358	VS	250	1
-46.722105598991	-24.139161728707	VS	70	1	-46.818513594842	-24.199503503941	VS	250	1
-46.721252455774	-24.141376022643	VS	70	1	-46.818274766072	-24.199371490028	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.726349280983	-24.140209758196	VS	100	1	-46.818289099966	-24.200088258329	VS	250	1
-46.726899382211	-24.139813293969	VS	100	1	-46.817990728231	-24.199929921183	VS	250	1
-46.726619423737	-24.140011560035	VS	100	1	-46.817931958176	-24.199754540328	VS	250	1
-46.726707512785	-24.13141134239	VS	100	1	-46.817643587669	-24.199728137977	VS	250	1
-46.726703617435	-24.131045860614	VS	100	1	-46.817376797508	-24.199614684149	VS	250	1
-46.72668385662	-24.131779964359	VS	100	1	-46.817046413224	-24.199490338926	VS	250	1
-46.726691807149	-24.13216378877	VS	100	1	-46.816731477209	-24.200137130473	VS	250	1
-46.726875159892	-24.132955064559	VS	100	1	-46.816633753523	-24.199348358114	VS	250	1
-46.727243369867	-24.133594818649	VS	100	1	-46.816325113106	-24.199979624967	VS	250	1
-46.728654608788	-24.127179409765	VS	100	1	-46.816227224934	-24.199226028419	VS	250	1
-46.729329697976	-24.125880399198	VS	100	1	-46.816024259011	-24.199878972252	VS	250	1
-46.729164587179	-24.126372284199	VS	100	1	-46.815844912024	-24.199108961955	VS	250	1
-46.730726900525	-24.12205611509	VS	100	1	-46.815694322786	-24.199789356955	VS	250	1
-46.730840044484	-24.123339589019	VS	100	1	-46.815430861291	-24.199006006047	VS	250	1
-46.731145264723	-24.122706485856	VS	100	1	-46.815227179132	-24.199675337763	VS	250	1
-46.730926876334	-24.122378991789	VS	100	1	-46.815007023126	-24.198920126515	VS	250	1
-46.728638464766	-24.120401447849	VS	100	1	-46.814886669092	-24.199608222267	VS	250	1
-46.728935916313	-24.120642700505	VS	100	1	-46.814781293978	-24.198886354263	VS	250	1
-46.729220905806	-24.120905168319	VS	100	1	-46.814619562387	-24.198860455392	VS	250	1
-46.729512173325	-24.12112036383	VS	100	1	-46.814597581667	-24.199562617536	VS	250	1
-46.72981091989	-24.121350832989	VS	100	1	-46.814157147949	-24.199488234005	VS	250	1
-46.730142785074	-24.121591785428	VS	100	1	-46.813333107771	-24.199381193408	VS	250	1
-46.719823069121	-24.145694364193	VS	100	1	-46.81293571693	-24.199360049219	VS	250	1
-46.719591396447	-24.145612244541	VS	100	1	-46.812675297697	-24.199342566409	VS	250	1
-46.717441675481	-24.144452244389	VS	100	1	-46.814114963237	-24.198169129825	VS	250	1
-46.717615534427	-24.14453651935	VS	100	1	-46.813788572719	-24.198135678763	VS	250	1
-46.721134073847	-24.146372643582	VS	100	1	-46.813572266674	-24.198119492867	VS	250	1
-46.720378010043	-24.146007015284	VS	100	1	-46.813178834976	-24.198086810093	VS	250	1
-46.752701623525	-24.158856917589	VS	100	1	-46.812775536701	-24.198063087055	VS	250	1
-46.754359599395	-24.155036041228	VS	100	1	-46.812327107019	-24.198024803992	VS	250	1
-46.75459394418	-24.155139138487	VS	100	1	-46.814091244696	-24.198775602564	VS	250	1
-46.754879120997	-24.155299395141	VS	100	1	-46.81372211657	-24.198733672209	VS	250	1
-46.755277038373	-24.155530553987	VS	100	1	-46.813404553588	-24.198709776586	VS	250	1
-46.877155530172	-24.214027812426	VS	100	1	-46.813070363685	-24.198694465652	VS	250	1
-46.877603813464	-24.214318042608	VS	100	1	-46.812736301059	-24.198679175523	VS	250	1
-46.878574841422	-24.213752536108	VS	100	1	-46.812626167788	-24.198900731014	VS	250	1
-46.881880975538	-24.211402330566	VS	100	1	-46.812317521385	-24.198920355055	VS	250	1
-46.881642061472	-24.211571564059	VS	100	1	-46.81218953521	-24.19893590027	VS	250	1
-46.881335881546	-24.211798555973	VS	100	1	-46.811994240704	-24.199675222047	VS	250	1
-46.880681701221	-24.21137601506	VS	100	1	-46.811989562322	-24.198898162754	VS	250	1
-46.880977959539	-24.212054260539	VS	100	1	-46.813729565615	-24.199412237452	VS	250	1
-46.8803454815	-24.212491096081	VS	100	1	-46.817468302315	-24.199001670216	VS	250	1
-46.874946812881	-24.217384243147	VS	100	1	-46.817778372858	-24.197559036951	VS	70	1
-46.879045569264	-24.209460565152	VS	100	1	-46.754279887584	-24.156625084752	VS	100	1
-46.888045209482	-24.203221978242	VS	100	1	-46.753952808749	-24.15644891822	VS	100	1
-46.887427140101	-24.203646373914	VS	100	1	-46.818472730658	-24.197892287287	VS	70	1
-46.900119844747	-24.194761553378	VS	100	1	-46.81817472757	-24.197742959105	VS	70	1
-46.898590080882	-24.195846126489	VS	100	1	-46.817449468717	-24.1974003649	VS	70	1
-46.898336335314	-24.196035315605	VS	100	1	-46.817161070546	-24.197242039641	VS	70	1
-46.897187613422	-24.196838863053	VS	100	1	-46.81836206579	-24.198038072166	VS	250	1
-46.890805980751	-24.20128112104	VS	100	1	-46.818230272652	-24.198270938558	VS	250	1
-46.890516294517	-24.201479764808	VS	100	1	-46.723199140214	-24.149309684075	VS	100	1
-46.872757117962	-24.210126595906	VS	100	1	-46.722953916886	-24.149476920269	VS	100	1
-46.872457746557	-24.210334223798	VS	100	1	-46.791890127757	-24.183995568786	VS	250	1
-46.871917059026	-24.21071331089	VS	100	1	-46.79167334205	-24.183810376242	VS	250	1
-46.872749030122	-24.208095054336	VS	100	1	-46.791424795386	-24.183605065426	VS	250	1
-46.873183333631	-24.207788272763	VS	100	1	-46.791229742045	-24.183423124025	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.87340545171	-24.207634799786	VS	100	1	-46.811951055483	-24.196379013844	VS	100	1
-46.877306471287	-24.206971535106	VS	100	1	-46.810355072076	-24.195293394542	VS	250	1
-46.87699459635	-24.207179889595	VS	100	1	-46.810080961554	-24.195483961321	VS	250	1
-46.87672524547	-24.207367567476	VS	100	1	-46.809785781222	-24.195690599581	VS	250	1
-46.870556755594	-24.209611696069	VS	100	1	-46.810570304484	-24.194972223894	VS	100	1
-46.870843858466	-24.209412917641	VS	100	1	-46.810445167746	-24.195179516148	VS	100	1
-46.870296046521	-24.209792229176	VS	100	1	-46.811223774301	-24.194879925844	VS	100	1
-46.88080340627	-24.204511340328	VS	100	1	-46.811066337154	-24.19515819539	VS	100	1
-46.881105965507	-24.20429515949	VS	100	1	-46.810896689811	-24.195453934935	VS	100	1
-46.881416637327	-24.2040825337	VS	100	1	-46.814309933564	-24.19580537155	VS	70	1
-46.881726392119	-24.203862633089	VS	100	1	-46.8139921528	-24.195656105077	VS	100	1
-46.882036286527	-24.203663103711	VS	100	1	-46.813909865487	-24.195559254443	VS	70	1
-46.883581661196	-24.202606592422	VS	100	1	-46.813648202327	-24.195480855173	VS	70	1
-46.885627933865	-24.203074975292	VS	100	1	-46.818610555277	-24.197543072731	VS	100	1
-46.88477816115	-24.203661853241	VS	100	1	-46.817589727856	-24.197047395671	VS	100	1
-46.885318469898	-24.203273848206	VS	100	1	-46.817288920571	-24.196892534295	VS	100	1
-46.87548401624	-24.208203660896	VS	100	1	-46.816981711763	-24.195566906771	VS	100	1
-46.875180551497	-24.208429667806	VS	100	1	-46.813425748048	-24.195366091253	VS	100	1
-46.874939243756	-24.208601142665	VS	100	1	-46.818265492367	-24.197381334539	VS	100	1
-46.876464960026	-24.209457370249	VS	100	1	-46.81789769539	-24.197196728222	VS	100	1
-46.876194598389	-24.20964693965	VS	100	1	-46.817567346492	-24.19513727621	VS	100	1
-46.875933642101	-24.209818577426	VS	100	1	-46.817283996209	-24.195016218292	VS	100	1
-46.874872610306	-24.210569322195	VS	100	1	-46.817238756916	-24.194842228282	VS	100	1
-46.874372495759	-24.210927194737	VS	100	1	-46.817074876061	-24.195175190596	VS	100	1
-46.874623254248	-24.210741767886	VS	100	1	-46.774569810169	-24.177109737424	VS	70	1
-46.875137674751	-24.210401467693	VS	100	1	-46.816964045213	-24.195394071552	VS	100	1
-46.87350027339	-24.21151565184	VS	100	1	-46.816718790587	-24.195874587238	VS	100	1
-46.873239523774	-24.211696197953	VS	100	1	-46.81658976441	-24.196150309039	VS	100	1
-46.872418886609	-24.212264768942	VS	100	1	-46.816483174536	-24.196357864799	VS	100	1
-46.870274331361	-24.213736529605	VS	100	1	-46.816407514775	-24.195285001904	VS	100	1
-46.756585888694	-24.153594389604	VS	100	1	-46.816413292337	-24.196498188032	VS	100	1
-46.75634168013	-24.153482374859	VS	100	1	-46.816122049696	-24.195161016655	VS	100	1
-46.756220210077	-24.153671760746	VS	100	1	-46.816155341222	-24.196327156526	VS	100	1
-46.756376893893	-24.15459555707	VS	100	1	-46.815745804036	-24.195058660863	VS	100	1
-46.766533701277	-24.166266665754	VS	70	1	-46.815865008333	-24.196187249733	VS	100	1
-46.76823545571	-24.165063018468	VS	70	1	-46.815791440021	-24.194864134234	VS	100	1
-46.767730691709	-24.165419269742	VS	70	1	-46.815526685957	-24.196011987168	VS	100	1
-46.768039755482	-24.165202821111	VS	70	1	-46.815326620169	-24.195903521645	VS	100	1
-46.76855312994	-24.164840142903	VS	70	1	-46.814985497576	-24.195039235139	VS	100	1
-46.768860353463	-24.164625825365	VS	70	1	-46.814826005425	-24.195343608247	VS	100	1
-46.771313578511	-24.161049597914	VS	70	1	-46.814696906966	-24.195588978339	VS	100	1
-46.766852507885	-24.166050193383	VS	70	1	-46.814383004136	-24.194892180997	VS	100	1
-46.767518493344	-24.165569440765	VS	70	1	-46.814261281875	-24.195133804631	VS	100	1
-46.767209426994	-24.165788890257	VS	70	1	-46.814137989412	-24.195322136667	VS	100	1
-46.765046194894	-24.161468437839	VS	70	1	-46.813803133201	-24.195152844512	VS	100	1
-46.771153807378	-24.157907536685	VS	70	1	-46.813535305786	-24.195026130333	VS	100	1
-46.770842331136	-24.158124278921	VS	70	1	-46.812859076149	-24.195075914955	VS	100	1
-46.770557730959	-24.158330199694	VS	70	1	-46.812550969229	-24.194917688766	VS	100	1
-46.769977097282	-24.158745111645	VS	70	1	-46.815000615745	-24.195742977356	VS	100	1
-46.770245107559	-24.158549784601	VS	70	1	-46.812985856711	-24.196261764769	VS	250	1
-46.758368529193	-24.156367917247	VS	100	1	-46.815510345618	-24.195437851681	VS	100	1
-46.758336452581	-24.156603041927	VS	100	1	-46.81221579776	-24.198696240285	VS	250	1
-46.758331141357	-24.156782907424	VS	100	1	-46.812056501459	-24.198530171871	VS	250	1
-46.758275805187	-24.157094124611	VS	100	1	-46.811870714114	-24.198321792467	VS	250	1
-46.758229656325	-24.15741868819	VS	100	1	-46.816676108251	-24.195416970706	VS	70	1
-46.757899203302	-24.157265848767	VS	100	1	-46.819074453711	-24.194864864407	VS	70	1
-46.757561682305	-24.157082546661	VS	100	1	-46.820613062282	-24.195432845803	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.757219465326	-24.156907272152	VS	100	1	-46.820343689534	-24.195392618029	VS	70	1
-46.756539874034	-24.156552402365	VS	100	1	-46.820091791815	-24.195302470474	VS	70	1
-46.756882234095	-24.156723589142	VS	100	1	-46.819748117684	-24.195127502705	VS	70	1
-46.754436021905	-24.157322604066	VS	100	1	-46.819408323717	-24.194950531138	VS	70	1
-46.758700468654	-24.161435884258	VS	70	1	-46.81844641463	-24.196713318344	VS	70	1
-46.757862140247	-24.162210579955	VS	100	1	-46.81809824122	-24.196543966179	VS	70	1
-46.774914531346	-24.153994138598	VS	100	1	-46.818893150118	-24.197070945961	VS	100	1
-46.774651121509	-24.153846367675	VS	100	1	-46.848384787121	-24.212959867194	VS	70	1
-46.774124590934	-24.152333536742	VS	100	1	-46.848096597581	-24.212819351816	VS	70	1
-46.757987519424	-24.159319146244	VS	70	1	-46.820674442293	-24.196991984143	VS	100	1
-46.750506854682	-24.158757052262	VS	100	1	-46.818793321216	-24.196900116995	VS	100	1
-46.747591160737	-24.158056323474	VS	100	1	-46.821740475979	-24.197655174646	VS	70	1
-46.747881855297	-24.158208867598	VS	100	1	-46.821617911913	-24.197861160005	VS	100	1
-46.816948447477	-24.185845528875	VS	250	2	-46.821546298246	-24.197436540275	VS	100	1
-46.814941127344	-24.19225771651	VS	100	1	-46.821504419839	-24.198049686966	VS	100	1
-46.870791713303	-24.21338865431	VS	100	1	-46.821363070555	-24.198291508581	VS	100	1
-46.870535302565	-24.213564903731	VS	100	1	-46.821248146903	-24.197287132661	VS	100	1
-46.855938389459	-24.203177391238	VS	100	1	-46.821018127467	-24.197419678522	VS	100	1
-46.862067595404	-24.198797908869	VS	100	1	-46.820979978045	-24.197155417145	VS	100	1
-46.864839554691	-24.197612268534	VS	100	1	-46.820876444545	-24.19765275399	VS	100	1
-46.864739631596	-24.197521417614	VS	100	1	-46.82071633885	-24.196717326495	VS	100	1
-46.864657978642	-24.197431586236	VS	100	1	-46.820707003317	-24.197957456161	VS	100	1
-46.869973261631	-24.182752941909	VS	100	1	-46.820547337373	-24.19700528894	VS	100	1
-46.823703520179	-24.183676048065	VS	70	1	-46.820536763437	-24.198226387646	VS	100	1
-46.822947592033	-24.183860561107	VS	70	1	-46.820405119707	-24.197246003825	VS	100	1
-46.822587264359	-24.183979329505	VS	70	1	-46.820396541157	-24.198433338148	VS	100	1
-46.822506702979	-24.185938004887	VS	100	1	-46.820302302117	-24.196088147614	VS	100	1
-46.765371702003	-24.16953797383	VS	100	1	-46.820213302574	-24.197125536037	VS	100	1
-46.765149553426	-24.169691280581	VS	100	1	-46.820216284687	-24.197559738516	VS	100	1
-46.782349732813	-24.164114705318	VS	100	1	-46.820114768578	-24.196397905996	VS	100	1
-46.776901972916	-24.162715936929	VS	70	1	-46.820141312663	-24.198307458264	VS	100	1
-46.78174641796	-24.172015474687	VS	70	1	-46.820027637723	-24.19788243092	VS	100	1
-46.783119629584	-24.158299690733	VS	70	1	-46.81996578768	-24.197004024467	VS	100	1
-46.783406734055	-24.158090594792	VS	70	1	-46.819953683578	-24.196676095469	VS	100	1
-46.783725382888	-24.157874807249	VS	70	1	-46.819781346553	-24.198126082477	VS	100	1
-46.785326846599	-24.15529478133	VS	100	1	-46.819792677358	-24.19693950963	VS	100	1
-46.785115246443	-24.155427858871	VS	100	1	-46.819504999549	-24.197985348989	VS	100	1
-46.784268776884	-24.156024004183	VS	100	1	-46.819391594734	-24.197199139004	VS	100	1
-46.779725733272	-24.159323181155	VS	100	1	-46.819377706266	-24.197647501499	VS	100	1
-46.778751370581	-24.160018569781	VS	100	1	-46.819196072206	-24.197835785565	VS	100	1
-46.779055447301	-24.15979478935	VS	100	1	-46.8191020837	-24.197053742637	VS	100	1
-46.77936143202	-24.159582565108	VS	100	1	-46.818760311591	-24.197295561727	VS	100	1
-46.780034466411	-24.159097841471	VS	100	1	-46.819132437075	-24.195600900903	VS	70	1
-46.782562868863	-24.157255876545	VS	100	1	-46.820454968582	-24.195820888124	VS	100	1
-46.781915537122	-24.157718840224	VS	100	1	-46.819509569508	-24.197414509502	VS	100	1
-46.779163239976	-24.152922451663	VS	100	1	-46.820350872601	-24.198823738525	VS	70	1
-46.778890883751	-24.153101610958	VS	100	1	-46.82006279063	-24.198683197306	VS	70	1
-46.779133261454	-24.152530176874	VS	100	1	-46.819994705339	-24.198830261715	VS	70	1
-46.782547186506	-24.152656335297	VS	100	1	-46.819824011965	-24.199081391065	VS	70	1
-46.782846438381	-24.15242552288	VS	100	1	-46.819764628704	-24.198533795373	VS	70	1
-46.78229416185	-24.152851029703	VS	100	1	-46.819476719313	-24.198402156706	VS	70	1
-46.785847454532	-24.151776576065	VS	100	1	-46.819108775152	-24.19820866804	VS	70	1
-46.782835379736	-24.151017598337	VS	100	1	-46.818800765153	-24.198059309333	VS	70	1
-46.782189384957	-24.151483137377	VS	100	1	-46.819541837798	-24.199070841557	VS	250	1
-46.783366102704	-24.154561060424	VS	70	1	-46.819320627402	-24.199120733312	VS	250	1
-46.783561164663	-24.155039759659	VS	100	1	-46.819273207284	-24.198930049046	VS	250	1
-46.780995161171	-24.157530649778	VS	70	1	-46.818980509953	-24.198937439649	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.780713185474	-24.156745620312	VS	70	1	-46.82085081073	-24.19907201681	VS	250	1
-46.780816840826	-24.157042683754	VS	70	1	-46.820725413464	-24.199259918321	VS	250	1
-46.782163410508	-24.160707738826	VS	70	1	-46.820700051937	-24.199000200692	VS	250	1
-46.782256042585	-24.160980118097	VS	70	1	-46.820589322387	-24.199171780378	VS	250	1
-46.781908252269	-24.160007425385	VS	70	1	-46.819896529347	-24.199430617047	VS	250	1
-46.782045488394	-24.160383323532	VS	70	1	-46.819647886703	-24.199298678084	VS	250	1
-46.781717821833	-24.161101357221	VS	100	1	-46.772298433263	-24.174933525663	VS	100	1
-46.782530039938	-24.161848023598	VS	100	1	-46.772130323097	-24.17503168001	VS	100	1
-46.783016547893	-24.163129550605	VS	70	1	-46.77253904605	-24.174764258721	VS	100	1
-46.779010727724	-24.171688696174	VS	100	1	-46.772773032028	-24.174608177506	VS	100	1
-46.778764434732	-24.171858088001	VS	100	1	-46.821440125565	-24.200028810711	VS	250	1
-46.789720995573	-24.163574089682	VS	100	1	-46.821172058003	-24.199897133758	VS	250	1
-46.795294592704	-24.161053147809	VS	100	1	-46.820913571607	-24.199774284826	VS	250	1
-46.79858988192	-24.158200705701	VS	100	1	-46.821731736723	-24.199517679137	VS	70	1
-46.798764894108	-24.158661672791	VS	100	1	-46.821708568026	-24.200169495527	VS	70	1
-46.76974385474	-24.176664408864	VS	100	1	-46.821488536273	-24.200310583603	VS	70	1
-46.757532830769	-24.166195919408	VS	100	1	-46.821454244963	-24.199377521296	VS	70	1
-46.753304081423	-24.167497849715	VS	70	1	-46.821239803078	-24.200178599336	VS	70	1
-46.75302063416	-24.167355594529	VS	70	1	-46.772171575764	-24.175179447198	VS	250	1
-46.769972341093	-24.173908839419	VS	100	1	-46.819106311103	-24.199155766517	VS	70	1
-46.806017066396	-24.197525688189	VS	100	1	-46.818945382509	-24.199397678198	VS	70	1
-46.815631403966	-24.18959501888	VS	100	1	-46.771904185529	-24.175056800461	VS	250	1
-46.803787147657	-24.197543090317	VS	100	1	-46.816024460545	-24.180288490843	VS	70	1
-46.828510892419	-24.200407957627	VS	100	1	-46.81879233219	-24.199661985531	VS	250	1
-46.828202471144	-24.200240798341	VS	100	1	-46.8217245931	-24.198895891897	VS	100	1
-46.827904466072	-24.200100296184	VS	100	1	-46.821654279842	-24.199078130628	VS	70	1
-46.827924067104	-24.200258867308	VS	100	1	-46.821300072928	-24.198907176414	VS	100	1
-46.827031285544	-24.198835870247	VS	100	1	-46.821211994747	-24.198542502569	VS	100	1
-46.826919115074	-24.198781185172	VS	100	1	-46.821058242435	-24.198787544371	VS	100	1
-46.82714116846	-24.198883541118	VS	100	1	-46.82073975909	-24.198602693996	VS	100	1
-46.827264981341	-24.198934785719	VS	100	1	-46.819912769293	-24.200475702068	VS	250	1
-46.82647017614	-24.199355254428	VS	100	1	-46.819820451329	-24.20032579855	VS	250	1
-46.825974591033	-24.200284049472	VS	100	1	-46.819625217368	-24.200617645418	VS	150	1
-46.825538373558	-24.198601595276	VS	100	1	-46.819761888959	-24.200694349954	VS	250	1
-46.782855412687	-24.146384647927	VS	100	1	-46.819578828446	-24.200959257848	VS	250	1
-46.790839221778	-24.168124196805	VS	100	1	-46.816915889342	-24.180712212125	VS	70	1
-46.790538323863	-24.168312088753	VS	100	1	-46.819425973809	-24.200904621282	VS	250	1
-46.7870112497	-24.170449252463	VS	100	1	-46.819293456435	-24.201110853332	VS	250	1
-46.788315913791	-24.169688491149	VS	100	1	-46.821778122026	-24.201316827433	VS	250	1
-46.78864561121	-24.16949700128	VS	100	1	-46.821479214062	-24.201149384525	VS	250	1
-46.788977738089	-24.169294948174	VS	100	1	-46.821180624558	-24.200982148209	VS	250	1
-46.791824408315	-24.166239682897	VS	100	1	-46.820911913006	-24.200832520084	VS	250	1
-46.792989531632	-24.165667251825	VS	100	1	-46.820591467287	-24.200729290953	VS	250	1
-46.792679880083	-24.165882901272	VS	100	1	-46.821722340061	-24.201989314153	VS	250	1
-46.792375367099	-24.166073997673	VS	100	1	-46.821433474472	-24.201821939496	VS	250	1
-46.792065582381	-24.166289452623	VS	100	1	-46.821125167938	-24.201654823655	VS	250	1
-46.792066050282	-24.166522136382	VS	100	1	-46.820912313866	-24.201536600034	VS	250	1
-46.791840020916	-24.167127458546	VS	100	1	-46.820385978369	-24.200564394978	VS	250	1
-46.79213662639	-24.166898062317	VS	100	1	-46.815387242484	-24.178934426391	VS	100	1
-46.792435964564	-24.166669804765	VS	100	1	-46.815737897141	-24.179058515241	VS	70	1
-46.792675273028	-24.166478881158	VS	100	1	-46.816391386263	-24.179420735834	VS	70	1
-46.793110775861	-24.165018659273	VS	100	1	-46.81670173481	-24.179605744797	VS	70	1
-46.795244535059	-24.16379716702	VS	100	1	-46.816993916716	-24.17977497185	VS	70	1
-46.796342663429	-24.162844794889	VS	100	1	-46.817900727478	-24.200680119074	VS	250	1
-46.796154344615	-24.16118090772	VS	100	1	-46.817589166428	-24.20051388105	VS	250	1
-46.797598995048	-24.162325437192	VS	100	1	-46.817306437917	-24.200364736204	VS	250	1
-46.78589280579	-24.169505408139	VS	70	1	-46.817058655543	-24.200268474924	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.78557488446	-24.169653959954	VS	250	1	-46.817668219923	-24.20022051084	VS	150	1
-46.784908360875	-24.170337934042	VS	100	1	-46.817545732639	-24.200435591117	VS	250	1
-46.85140649836	-24.140699003256	VS	100	1	-46.818092414824	-24.19948563217	VS	250	1
-46.8901086029	-24.234436160198	VS	100	1	-46.817781743166	-24.200041193788	VS	250	1
-46.88979713325	-24.234281370744	VS	100	1	-46.82129819482	-24.201857559851	VS	250	1
-46.889431825424	-24.23409768715	VS	100	1	-46.8211118204	-24.202120728776	VS	150	1
-46.889501471781	-24.234809828556	VS	100	1	-46.82100811157	-24.202299975663	VS	100	1
-46.889192637333	-24.234662069866	VS	100	1	-46.81943975103	-24.201178545231	VS	250	1
-46.888864896375	-24.234496243979	VS	100	1	-46.82021783762	-24.20195760645	VS	250	1
-46.88575750566	-24.234868394984	VS	100	1	-46.819970620998	-24.201824291144	VS	250	1
-46.88608538957	-24.235026296652	VS	100	1	-46.81967833164	-24.201667936051	VS	250	1
-46.882768862096	-24.237255701978	VS	100	1	-46.819025392976	-24.201322041831	VS	250	1
-46.871868051114	-24.216833620683	VS	100	1	-46.819313718238	-24.201463385624	VS	250	1
-46.872076421044	-24.216959836321	VS	100	1	-46.818702685791	-24.201125602381	VS	250	1
-46.872365747315	-24.217137677464	VS	100	1	-46.818666339375	-24.201022911887	VS	250	1
-46.872635341407	-24.217308256234	VS	100	1	-46.818489551858	-24.201012741516	VS	250	1
-46.87288610892	-24.217463004683	VS	100	1	-46.818296354116	-24.200903448836	VS	250	1
-46.878140026013	-24.216633735733	VS	100	1	-46.818910587701	-24.200799321553	VS	250	1
-46.87782201722	-24.216858973199	VS	100	1	-46.819418392875	-24.20072295701	VS	250	1
-46.877503443912	-24.21708460932	VS	100	1	-46.81912763109	-24.200559655778	VS	250	1
-46.877194674155	-24.217310158852	VS	100	1	-46.818810227177	-24.200380556	VS	250	1
-46.878758326104	-24.21619113641	VS	100	1	-46.823647459778	-24.19937141315	VS	70	1
-46.879057480823	-24.215974573344	VS	100	1	-46.824344284082	-24.199412118595	VS	70	1
-46.880341395472	-24.215063009335	VS	100	1	-46.824033950449	-24.199930703539	VS	70	1
-46.880669773099	-24.214837289116	VS	100	1	-46.824184582689	-24.19966187847	VS	70	1
-46.880022791189	-24.215288659931	VS	100	1	-46.858554366296	-24.221291333734	VS	100	1
-46.879704225403	-24.215514301758	VS	100	1	-46.858758004233	-24.221020965122	VS	100	1
-46.883196544279	-24.22310403071	VS	100	1	-46.858929109047	-24.220787623395	VS	100	1
-46.883512754548	-24.223460729073	VS	100	1	-46.859100000785	-24.220545358492	VS	100	1
-46.883967782808	-24.223834241786	VS	100	1	-46.886960552598	-24.235465431515	VS	100	1
-46.776344710697	-24.142785474742	VS	100	1	-46.891119285735	-24.238447630756	VS	100	1
-46.776346181949	-24.143619755693	VS	100	1	-46.870963934312	-24.215067979477	VS	100	1
-46.776349391038	-24.143034879397	VS	100	1	-46.734645505471	-24.153648981313	VS	100	1
-46.78528637588	-24.115926701765	VS	100	1	-46.735385321867	-24.153117902045	VS	100	1
-46.783518711465	-24.111867355655	VS	100	1	-46.830957029146	-24.200517911081	VS	70	1
-46.780094550699	-24.116486913122	VS	100	1	-46.860916370048	-24.216601486454	VS	70	1
-46.780310900075	-24.116190755266	VS	100	1	-46.86009351346	-24.217196302263	VS	70	1
-46.780526693592	-24.115895338927	VS	100	1	-46.859788986843	-24.217415076025	VS	100	1
-46.780932442075	-24.115339853133	VS	100	1	-46.859478576612	-24.217627278237	VS	70	1
-46.778297402237	-24.151975601099	VS	100	1	-46.859330902629	-24.217719541305	VS	70	1
-46.883111382248	-24.224297406967	VS	100	1	-46.859090357494	-24.217921247966	VS	70	1
-46.882035558602	-24.224481207182	VS	100	1	-46.736774006675	-24.155435908724	VS	100	1
-46.897586135527	-24.224850555289	VS	100	1	-46.780352523388	-24.181076560754	VS	150	1
-46.899822242651	-24.222609737387	VS	100	1	-46.779859109486	-24.181973510624	VS	150	1
-46.899161344296	-24.221893521091	VS	100	1	-46.780050247218	-24.1815921182	VS	150	1
-46.899569758425	-24.22234700917	VS	100	1	-46.738794641606	-24.150723923071	VS	100	1
-46.897494613328	-24.229075451482	VS	100	1	-46.736058351448	-24.149551085874	VS	100	1
-46.896373018324	-24.22779963289	VS	100	1	-46.735258959493	-24.150377144996	VS	100	1
-46.897039959327	-24.228561568529	VS	100	1	-46.743037853635	-24.144680206467	VS	100	1
-46.899189991783	-24.225613979039	VS	100	1	-46.73395765217	-24.149980039252	VS	100	1
-46.899412186332	-24.2258620328	VS	100	1	-46.741076031625	-24.149809019479	VS	100	1
-46.899664726748	-24.226145555699	VS	100	1	-46.740158188674	-24.150460178902	VS	100	1
-46.900432826991	-24.227022760696	VS	100	1	-46.739927366289	-24.150629163795	VS	100	1
-46.899466521333	-24.226870029418	VS	100	1	-46.742572372545	-24.148745410373	VS	100	1
-46.89854677933	-24.225815637218	VS	100	1	-46.742070404889	-24.149105972071	VS	100	1
-46.898123152994	-24.225351014451	VS	100	1	-46.741829058595	-24.149277217649	VS	100	1
-46.898324596556	-24.225567582688	VS	100	1	-46.741577913594	-24.149448540458	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.898758932748	-24.226054846124	VS	100	1	-46.7413269728	-24.14962878473	VS	100	1
-46.898971292561	-24.226302968767	VS	100	1	-46.738235680592	-24.150559342788	VS	100	1
-46.899910925325	-24.227366154861	VS	100	1	-46.737950562801	-24.15076202846	VS	100	1
-46.899823801138	-24.224451986554	VS	100	1	-46.736714354308	-24.1488897946	VS	100	1
-46.900038942038	-24.224700155624	VS	100	1	-46.736943562641	-24.148928420872	VS	100	1
-46.90027139274	-24.224965967957	VS	100	1	-46.736644163924	-24.149135771282	VS	100	1
-46.90073668243	-24.225506727114	VS	100	1	-46.7369763309	-24.149182291478	VS	100	1
-46.899372861353	-24.224916358031	VS	100	1	-46.737208075446	-24.14943936806	VS	100	1
-46.899172444601	-24.22470728454	VS	100	1	-46.737196246436	-24.148746394035	VS	100	1
-46.899621012144	-24.225197517261	VS	100	1	-46.770463122519	-24.156539779875	VS	70	1
-46.899872038008	-24.225476129919	VS	100	1	-46.738110352732	-24.148284850194	VS	100	1
-46.900105030662	-24.22573334638	VS	100	1	-46.738083157665	-24.148144089362	VS	100	1
-46.900295337539	-24.225940442134	VS	100	1	-46.737918601476	-24.148063062226	VS	100	1
-46.90135720646	-24.224386070144	VS	100	1	-46.738322473401	-24.148542070343	VS	100	1
-46.90158924725	-24.224634079869	VS	100	1	-46.738361163495	-24.147937615662	VS	100	1
-46.902185289675	-24.225307361077	VS	100	1	-46.73843289728	-24.147664571605	VS	100	1
-46.914044049762	-24.217323299168	VS	100	1	-46.738665090599	-24.147939518052	VS	100	1
-46.913255250566	-24.217894126188	VS	100	1	-46.738652017513	-24.147720844534	VS	100	1
-46.915153169753	-24.216476578133	VS	100	1	-46.738937968794	-24.148276600407	VS	100	1
-46.916027436858	-24.215840806338	VS	100	1	-46.739149886599	-24.148524897674	VS	100	1
-46.918887608232	-24.213711269556	VS	100	1	-46.738898695247	-24.147550303217	VS	100	1
-46.897624901345	-24.231654939908	VS	100	1	-46.739202784359	-24.147342023883	VS	100	1
-46.897959498378	-24.231850921424	VS	100	1	-46.739052569597	-24.147311957473	VS	100	1
-46.898291795341	-24.232046912358	VS	100	1	-46.739274181393	-24.147560020693	VS	100	1
-46.898624080677	-24.232242992518	VS	100	1	-46.739465840105	-24.147781696353	VS	100	1
-46.898667771245	-24.232434042766	VS	100	1	-46.739687780436	-24.148038846841	VS	100	1
-46.897141412697	-24.232013505512	VS	100	1	-46.739486398538	-24.14714259233	VS	100	1
-46.897485645363	-24.232212561407	VS	100	1	-46.739833673742	-24.147145596228	VS	100	1
-46.898245142485	-24.232910667393	VS	100	1	-46.739788000475	-24.146930455574	VS	100	1
-46.777988725722	-24.152200922427	VS	100	1	-46.739602357409	-24.146897740214	VS	100	1
-46.777680008001	-24.152426268906	VS	100	1	-46.740045796763	-24.147402814218	VS	100	1
-46.782799854289	-24.169249676035	VS	70	1	-46.740053113996	-24.146740160913	VS	100	1
-46.78271126396	-24.169470685986	VS	70	1	-46.740395004269	-24.146501426852	VS	100	1
-46.782510513114	-24.169216804877	VS	70	1	-46.740402569557	-24.146713275154	VS	100	1
-46.782226415349	-24.168563309675	VS	70	1	-46.740651397375	-24.146322796486	VS	100	1
-46.782585515273	-24.168352516085	VS	70	1	-46.740972679853	-24.14610901639	VS	100	1
-46.78291420809	-24.168158505066	VS	70	1	-46.740952424329	-24.146307790011	VS	100	1
-46.783022456132	-24.167984803896	VS	70	1	-46.74075090251	-24.146077474134	VS	100	1
-46.783443549309	-24.168319725378	VS	70	1	-46.741164185697	-24.146547236057	VS	100	1
-46.832450916859	-24.201080483792	VS	100	1	-46.74138612812	-24.146804384271	VS	100	1
-46.836186615052	-24.156077075924	VS	70	1	-46.741270779576	-24.145901312971	VS	100	1
-46.769932820059	-24.166483036836	VS	70	1	-46.741631787083	-24.145661901909	VS	100	1
-46.929519925731	-24.203026824434	VS	100	1	-46.741649410666	-24.145892531159	VS	100	1
-46.831534645227	-24.163214623209	VS	100	1	-46.741447951613	-24.145670953836	VS	100	1
-46.869599658406	-24.228349088433	VS	100	1	-46.741896218177	-24.145476912447	VS	100	1
-46.883364011365	-24.239938535933	VS	100	1	-46.742210660805	-24.145250632025	VS	100	1
-46.765798511548	-24.16847634841	VS	100	1	-46.742237742615	-24.145451188734	VS	100	1
-46.767021472788	-24.169046846569	VS	100	1	-46.742046335605	-24.145229848001	VS	100	1
-46.774433199666	-24.155292909595	VS	100	1	-46.742500399975	-24.1457704896	VS	100	1
-46.82304524172	-24.189803182432	VS	100	1	-46.742465180586	-24.145069980296	VS	100	1
-46.823358720713	-24.189840855222	VS	100	1	-46.74280808864	-24.145081284138	VS	100	1
-46.823639526383	-24.189875295431	VS	100	1	-46.742769457114	-24.144862220591	VS	100	1
-46.779588256725	-24.181885174034	VS	100	1	-46.742969479241	-24.14526749064	VS	100	1
-46.786460832073	-24.178906071095	VS	250	1	-46.743151130016	-24.145480308677	VS	100	1
-46.715169700128	-24.145606176824	VS	100	1	-46.736875451077	-24.150016122955	VS	100	1
-46.764659280667	-24.169278792743	VS	100	1	-46.736603199346	-24.149705803269	VS	100	1
-46.786603259339	-24.178661810183	VS	250	1	-46.73642155592	-24.149492978169	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.786153962822	-24.179401132322	VS	250	1	-46.736364204302	-24.149334063674	VS	100	1
-46.828939861508	-24.161866066807	VS	100	1	-46.73622009351	-24.149271367163	VS	100	1
-46.829882184966	-24.16429807066	VS	100	1	-46.735794295315	-24.14973079971	VS	100	1
-46.770103532916	-24.174220792345	VS	100	1	-46.735614751562	-24.149712259743	VS	100	1
-46.777371279117	-24.152651623339	VS	100	1	-46.735885402479	-24.150038439254	VS	100	1
-46.77920724493	-24.152752688043	VS	100	1	-46.736089903768	-24.150286866414	VS	100	1
-46.897575900762	-24.233973905368	VS	100	1	-46.73628961723	-24.15050614789	VS	100	1
-46.897990195318	-24.234443500941	VS	100	1	-46.735485339852	-24.149947111624	VS	100	1
-46.898383961933	-24.234877557284	VS	100	1	-46.735205244815	-24.150126618659	VS	100	1
-46.892264286791	-24.231897137467	VS	100	1	-46.735007079556	-24.150077138733	VS	100	1
-46.891985157862	-24.231729846518	VS	100	1	-46.73546353719	-24.15062295159	VS	100	1
-46.891853101529	-24.230987958333	VS	100	1	-46.73477190949	-24.149809442308	VS	100	1
-46.891021227016	-24.230490171919	VS	100	1	-46.734538766296	-24.149540504163	VS	100	1
-46.890209448115	-24.230855796636	VS	100	1	-46.734342071623	-24.149313011261	VS	100	1
-46.890510233788	-24.230629861564	VS	100	1	-46.743334602971	-24.144475399523	VS	100	1
-46.89082122179	-24.230385663662	VS	100	1	-46.743614102307	-24.14429922986	VS	100	1
-46.891114585116	-24.230155342792	VS	100	1	-46.743900496881	-24.144100578371	VS	100	1
-46.891255215523	-24.230635911587	VS	100	1	-46.74390543745	-24.144299930562	VS	100	1
-46.8921322386	-24.231155249563	VS	100	1	-46.74370108817	-24.14406678966	VS	100	1
-46.89370725311	-24.232097277592	VS	100	1	-46.73374082736	-24.149723285999	VS	100	1
-46.893069080442	-24.23170978637	VS	100	1	-46.734111665816	-24.149046601479	VS	100	1
-46.892740179807	-24.231516130806	VS	100	1	-46.734397682705	-24.14864436634	VS	100	1
-46.892441185486	-24.23134008075	VS	100	1	-46.734113575589	-24.148835262774	VS	100	1
-46.89208177964	-24.229705262781	VS	100	1	-46.734668064451	-24.148454924121	VS	70	1
-46.892374546239	-24.229875184858	VS	100	1	-46.733900918008	-24.148798285838	VS	100	1
-46.892704438449	-24.230071500355	VS	100	1	-46.733829180902	-24.149030054175	VS	100	1
-46.893038141521	-24.230256963127	VS	100	1	-46.733686038674	-24.148541875696	VS	100	1
-46.893338294593	-24.230433935779	VS	100	1	-46.733482231651	-24.148300858125	VS	100	1
-46.89302841167	-24.234867630732	VS	100	1	-46.733551694886	-24.14922210844	VS	100	1
-46.892709681296	-24.234704544703	VS	100	1	-46.733115128036	-24.148987237946	VS	100	1
-46.89522256748	-24.233004119425	VS	100	1	-46.732913448833	-24.148756701	VS	100	1
-46.8954916636	-24.233162568412	VS	100	1	-46.732711361518	-24.148508329084	VS	100	1
-46.895750945142	-24.233321085528	VS	100	1	-46.732509479197	-24.148268878903	VS	100	1
-46.894973542312	-24.232863370699	VS	100	1	-46.733238808342	-24.149435150013	VS	100	1
-46.89435522662	-24.232484661627	VS	100	1	-46.772948438488	-24.176058076819	VS	100	1
-46.894674082567	-24.232669468095	VS	100	1	-46.772790397012	-24.176949428635	VS	100	1
-46.888847330817	-24.237171479172	VS	100	1	-46.772535611003	-24.176804151714	VS	100	1
-46.883357532689	-24.240803210136	VS	100	1	-46.772475118688	-24.177217642101	VS	100	1
-46.885939660748	-24.240779193387	VS	100	1	-46.772264508223	-24.176641724254	VS	100	1
-46.76869090964	-24.160374658909	VS	70	1	-46.771983586699	-24.176630621669	VS	100	1
-46.8037164124	-24.194908232595	VS	100	1	-46.771715370416	-24.177003658268	VS	100	1
-46.820840352913	-24.177229942636	VS	70	1	-46.771982163906	-24.176748470681	VS	100	1
-46.820882684534	-24.176993947486	VS	70	1	-46.771327681419	-24.177316838031	VS	100	1
-46.803391631179	-24.194695406773	VS	100	1	-46.770996093541	-24.177131144536	VS	100	1
-46.820597024125	-24.177065535592	VS	70	1	-46.77065341479	-24.17695339155	VS	100	1
-46.820691479261	-24.177227901839	VS	70	1	-46.775980949901	-24.176508773633	VS	100	1
-46.715355503276	-24.138527416057	VS	100	1	-46.775684006271	-24.176743622566	VS	100	1
-46.820521702866	-24.177425253189	VS	70	1	-46.888905867432	-24.239082145041	VS	100	1
-46.826999716196	-24.179830801008	VS	100	1	-46.775112646761	-24.17712819561	VS	100	1
-46.715104858048	-24.138707416162	VS	100	1	-46.85733705507	-24.222045402673	VS	70	1
-46.714854089661	-24.138878433153	VS	100	1	-46.774890603039	-24.177265660802	VS	100	1
-46.714831994701	-24.139010849347	VS	100	1	-46.774638977125	-24.175727167271	VS	100	1
-46.714573837065	-24.139076865141	VS	100	1	-46.889070195444	-24.232910330707	VS	100	1
-46.835858900755	-24.155919044176	VS	70	1	-46.774464903735	-24.177563756881	VS	100	1
-46.835540756418	-24.155751986821	VS	70	1	-46.887219609404	-24.238365681878	VS	100	1
-46.835302392881	-24.155646634803	VS	70	1	-46.773028636121	-24.176303591208	VS	100	1
-46.834919100712	-24.155455416984	VS	70	1	-46.773037923365	-24.175131237539	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.834698032972	-24.155339158695	VS	70	1	-46.772796781735	-24.175311462627	VS	100	1
-46.892837656911	-24.235164880529	VS	100	1	-46.793506301308	-24.185783176715	VS	250	2
-46.893443465121	-24.235460883551	VS	100	1	-46.772639142065	-24.176274346597	VS	100	1
-46.893181656295	-24.235348855422	VS	100	1	-46.77224425187	-24.175709115326	VS	100	1
-46.892625766501	-24.235061855818	VS	100	1	-46.772265437164	-24.177394655489	VS	100	1
-46.891218630639	-24.235663139567	VS	100	1	-46.772023647894	-24.17717091491	VS	100	1
-46.890858377989	-24.235696000952	VS	100	1	-46.771983478702	-24.175889469782	VS	100	1
-46.889929132959	-24.23501028337	VS	100	1	-46.771703558455	-24.176087773897	VS	100	1
-46.890273781963	-24.235188872064	VS	100	1	-46.771640164141	-24.176308356601	VS	100	1
-46.890591963845	-24.23534691698	VS	100	1	-46.771599287142	-24.175419442062	VS	100	1
-46.890880484403	-24.235496287784	VS	100	1	-46.77142351658	-24.176286164172	VS	100	1
-46.871790491122	-24.229982457025	VS	100	1	-46.771329046866	-24.175617761993	VS	100	1
-46.875875198812	-24.227121296363	VS	100	1	-46.771561556562	-24.177036583927	VS	100	1
-46.873125967402	-24.228388636593	VS	100	1	-46.771291488122	-24.176114336674	VS	100	1
-46.87358192092	-24.228070836319	VS	100	1	-46.771172551149	-24.176466446834	VS	100	1
-46.87605138661	-24.222488412898	VS	100	1	-46.77104889986	-24.175807151105	VS	100	1
-46.874665801919	-24.223445605645	VS	100	1	-46.771013087059	-24.175964705091	VS	100	1
-46.874037741641	-24.224530182872	VS	100	1	-46.770902518499	-24.176664636208	VS	100	1
-46.874324880207	-24.224323395432	VS	100	1	-46.770768968233	-24.176005471065	VS	100	1
-46.895849214531	-24.235263759951	VS	100	1	-46.896359655325	-24.242116938536	VS	100	1
-46.896435832679	-24.235950579207	VS	100	1	-46.89165862008	-24.229752693374	VS	100	1
-46.895563163111	-24.234739177754	VS	100	1	-46.770675268099	-24.175797599729	VS	100	1
-46.895868284699	-24.23451821808	VS	100	1	-46.770632057647	-24.176854040896	VS	100	1
-46.896145463667	-24.234812096931	VS	100	1	-46.775315465585	-24.176806033407	VS	250	1
-46.896367440062	-24.235051232834	VS	100	1	-46.775044921674	-24.176666760256	VS	250	1
-46.899078386813	-24.239035955551	VS	100	1	-46.774772753237	-24.176531769109	VS	250	1
-46.713321028246	-24.14332613819	VS	100	1	-46.773839744245	-24.176075396876	VS	250	1
-46.713467184958	-24.14349606679	VS	100	1	-46.772729545671	-24.175484444925	VS	250	1
-46.713618516226	-24.14367344318	VS	100	1	-46.772494987108	-24.175349286569	VS	250	1
-46.713060677942	-24.143524233409	VS	100	1	-46.772344078138	-24.175274890561	VS	250	1
-46.712790296842	-24.143713490414	VS	100	1	-46.770400138852	-24.174370723555	VS	250	1
-46.712510634664	-24.143920570149	VS	100	1	-46.734053179952	-24.147972397229	VS	100	1
-46.712288698065	-24.144082710331	VS	100	1	-46.733855833088	-24.147740378096	VS	70	1
-46.712114781142	-24.144199908565	VS	100	1	-46.73485917843	-24.146765584149	VS	70	1
-46.712212796005	-24.14434196072	VS	100	1	-46.734634057405	-24.146493959322	VS	70	1
-46.712492049589	-24.144501094397	VS	100	1	-46.734396552334	-24.146218669875	VS	70	1
-46.921032863995	-24.231142039427	VS	100	1	-46.734172739372	-24.145946468147	VS	70	1
-46.920785848398	-24.230868676108	VS	100	1	-46.733996281274	-24.14586248962	VS	70	1
-46.918678793748	-24.23339612076	VS	100	1	-46.733950358071	-24.145671421362	VS	70	1
-46.715440082577	-24.145416924692	VS	100	1	-46.733783751357	-24.146006761438	VS	70	1
-46.910047363666	-24.241536213671	VS	100	1	-46.734517156717	-24.145484192954	VS	70	1
-46.715671622463	-24.145245791134	VS	100	1	-46.734256818451	-24.14568232815	VS	70	1
-46.715922795692	-24.14507451505	VS	100	1	-46.734787901267	-24.145303703125	VS	70	1
-46.71620298329	-24.144885185413	VS	100	1	-46.735112802813	-24.14474656097	VS	70	1
-46.716444255699	-24.144704975305	VS	100	1	-46.734870424772	-24.144453880664	VS	70	1
-46.716082271014	-24.144740423608	VS	100	1	-46.734628252527	-24.144170113033	VS	70	1
-46.907852217571	-24.245366143114	VS	100	1	-46.735420117537	-24.144855846804	VS	70	1
-46.900103764738	-24.240101626341	VS	100	1	-46.735355191433	-24.145039250317	VS	70	1
-46.899568484876	-24.239508036806	VS	100	1	-46.735174116156	-24.145033289212	VS	70	1
-46.929012328078	-24.217458770801	VS	100	1	-46.734972105483	-24.1451664981	VS	70	1
-46.930230205886	-24.216572344278	VS	100	1	-46.735690607179	-24.144669352703	VS	70	1
-46.929925612308	-24.216794038847	VS	100	1	-46.736181941785	-24.144322939195	VS	70	1
-46.929621007883	-24.217015732397	VS	100	1	-46.735952539306	-24.144481662903	VS	70	1
-46.929316422082	-24.217237425716	VS	100	1	-46.735733624796	-24.144393992005	VS	70	1
-46.914076126454	-24.234627701318	VS	70	1	-46.735550814878	-24.144172452339	VS	70	1
-46.881112127029	-24.219008022817	VS	100	1	-46.735310534202	-24.143887602693	VS	70	1
-46.876885689362	-24.217526793573	VS	100	1	-46.735116788195	-24.143666739231	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.879376058348	-24.215748942467	VS	100	1	-46.735514102774	-24.143629708974	VS	70	1
-46.870474219782	-24.227297669613	VS	100	1	-46.736449376662	-24.145245574474	VS	100	1
-46.871033530356	-24.221328092769	VS	100	1	-46.859293697671	-24.216997062505	VS	70	1
-46.846005196649	-24.158638050013	VS	100	1	-46.859253244285	-24.216465072566	VS	70	1
-46.827492808383	-24.16310929758	VS	100	1	-46.859177116475	-24.215751740163	VS	70	1
-46.878697995453	-24.209704282625	VS	100	1	-46.85916816196	-24.215985171474	VS	70	1
-46.87724967075	-24.210715285539	VS	100	1	-46.859042482572	-24.217177660029	VS	70	1
-46.878150285975	-24.210088613879	VS	100	1	-46.858973284127	-24.216663577975	VS	70	1
-46.878369619854	-24.209929999724	VS	100	1	-46.858946301041	-24.215746003748	VS	70	1
-46.911872715485	-24.229899342083	VS	100	1	-46.858782069744	-24.217763063173	VS	70	1
-46.881623641513	-24.207664105272	VS	100	1	-46.858762460304	-24.217376199208	VS	70	1
-46.883607356727	-24.230111439943	VS	100	1	-46.736731856591	-24.145573660458	VS	70	1
-46.83478473106	-24.194693398125	VS	100	1	-46.736933744324	-24.145813105596	VS	70	1
-46.834198424133	-24.194403489663	VS	100	1	-46.734338489252	-24.142880232215	VS	70	1
-46.931054191937	-24.217266142239	VS	100	1	-46.734029519933	-24.143096569466	VS	70	1
-46.931931250317	-24.216663067394	VS	100	1	-46.733720335719	-24.143303974742	VS	70	1
-46.931597277338	-24.216879335885	VS	100	1	-46.733409757681	-24.143518994281	VS	70	1
-46.931339413959	-24.217072338976	VS	100	1	-46.733102697004	-24.143745497959	VS	70	1
-46.914269694659	-24.228145825426	VS	100	1	-46.732803530772	-24.14396176418	VS	70	1
-46.91095489546	-24.236741981891	VS	70	1	-46.732484535256	-24.144169243278	VS	70	1
-46.910735341139	-24.236510945253	VS	70	1	-46.732953324743	-24.142705405412	VS	100	1
-46.730216156487	-24.141828264549	VS	100	1	-46.733223250953	-24.142498272678	VS	100	1
-46.783254077358	-24.163909624297	VS	70	1	-46.732393417702	-24.143101960232	VS	100	1
-46.783326521829	-24.164144299502	VS	70	1	-46.858713637861	-24.216076623318	VS	70	1
-46.783360304041	-24.164282941338	VS	70	1	-46.858673335801	-24.216871510321	VS	70	1
-46.782622894685	-24.164794880641	VS	100	1	-46.858484109065	-24.217613877898	VS	70	1
-46.781494178052	-24.165582359641	VS	100	1	-46.858383327329	-24.217061184275	VS	70	1
-46.781236615053	-24.165579938947	VS	100	1	-46.858381218107	-24.217252885129	VS	70	1
-46.777722373045	-24.166658673626	VS	100	1	-46.858230934588	-24.216419491508	VS	70	1
-46.777518218042	-24.166798480338	VS	100	1	-46.858198916352	-24.217031059252	VS	70	1
-46.734265077226	-24.148220690645	VS	100	1	-46.858112641735	-24.217232783407	VS	70	1
-46.90845490257	-24.243004642626	VS	100	1	-46.858026948324	-24.216827123542	VS	70	1
-46.822915944906	-24.182786568367	VS	70	1	-46.857999202918	-24.216581936293	VS	70	1
-46.914741291616	-24.235367308532	VS	70	1	-46.787092302004	-24.156840041773	VS	100	1
-46.915011135534	-24.235680256068	VS	70	1	-46.787265195821	-24.157097355711	VS	100	1
-46.914398158869	-24.234987767533	VS	70	1	-46.732673162421	-24.142894761099	VS	100	1
-46.913527161641	-24.236185179672	VS	70	1	-46.73281888101	-24.14479520371	VS	100	1
-46.913279975513	-24.235903306522	VS	70	1	-46.732974789622	-24.144576232867	VS	100	1
-46.913059013819	-24.235658367446	VS	70	1	-46.733293580999	-24.144359839875	VS	100	1
-46.912806284492	-24.235372169916	VS	70	1	-46.736207199589	-24.144961799678	VS	100	1
-46.919564211312	-24.22834771281	VS	100	1	-46.735965023251	-24.144678033644	VS	100	1
-46.925142314765	-24.2242967258	VS	100	1	-46.734543008739	-24.145143090102	VS	70	1
-46.917644441187	-24.229726601095	VS	100	1	-46.734300622035	-24.144850399694	VS	70	1
-46.912186938637	-24.231187928346	VS	100	1	-46.734058450299	-24.144566640244	VS	70	1
-46.911926630745	-24.231386380457	VS	100	1	-46.734784669315	-24.145408894116	VS	70	1
-46.911656280063	-24.231576005037	VS	100	1	-46.735259621046	-24.145994341225	VS	70	1
-46.911415179688	-24.231756452555	VS	100	1	-46.735501797342	-24.146278117484	VS	70	1
-46.904264517526	-24.2342374705	VS	70	1	-46.724739568708	-24.135266955338	VS	70	1
-46.903748299706	-24.234577954265	VS	100	1	-46.857814864984	-24.216587823894	VS	70	1
-46.905851884968	-24.229409045929	VS	70	1	-46.85776738082	-24.216744423275	VS	70	1
-46.906084289774	-24.22967477806	VS	70	1	-46.857612634439	-24.216348485923	VS	70	1
-46.90624603385	-24.229860847149	VS	70	1	-46.857554480497	-24.216889086283	VS	70	1
-46.907969133204	-24.230819627498	VS	100	1	-46.724430607211	-24.135483264521	VS	70	1
-46.90905044458	-24.229752718478	VS	100	1	-46.724113610298	-24.135704837816	VS	70	1
-46.908855756774	-24.229910066233	VS	100	1	-46.72380307799	-24.135924887823	VS	70	1
-46.909320783995	-24.229563107258	VS	100	1	-46.723494407621	-24.136150055909	VS	70	1
-46.909600731995	-24.229364493953	VS	100	1	-46.723214453867	-24.136348316153	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.909822640528	-24.229202043826	VS	100	1	-46.722899067425	-24.136574204855	VS	70	1
-46.910073562565	-24.229021520217	VS	100	1	-46.723635722911	-24.136633589442	VS	70	1
-46.910565579973	-24.228660531715	VS	70	1	-46.723095231597	-24.137021053277	VS	70	1
-46.878215737314	-24.209884876255	VS	70	1	-46.722826064727	-24.1372083191	VS	70	1
-46.833967126218	-24.194291631606	VS	100	1	-46.722277976917	-24.13681703422	VS	70	1
-46.834496809601	-24.194561786985	VS	100	1	-46.722470037196	-24.137038854952	VS	70	1
-46.835301124781	-24.194958543894	VS	100	1	-46.722268606409	-24.13701505313	VS	70	1
-46.835102943853	-24.194860450919	VS	100	1	-46.859871963191	-24.215237484016	VS	70	1
-46.7688936187	-24.172251009003	VS	100	1	-46.859650001315	-24.215408934622	VS	70	1
-46.833350856332	-24.155525535032	VS	100	1	-46.859418253503	-24.215571381548	VS	70	1
-46.726930457575	-24.141905185119	VS	100	1	-46.858754492656	-24.215533305676	VS	70	1
-46.79120166757	-24.165515866804	VS	100	1	-46.858542541813	-24.215294173018	VS	70	1
-46.872189079154	-24.210547535261	VS	100	1	-46.858521681413	-24.21554883781	VS	70	1
-46.716298488917	-24.144872752189	VS	100	1	-46.858251304098	-24.215738352308	VS	70	1
-46.863270344308	-24.215361026716	VS	100	1	-46.857961480592	-24.215936956831	VS	70	1
-46.849697621369	-24.207050374521	VS	100	1	-46.857410857599	-24.216127030382	VS	70	1
-46.833319479381	-24.199637187917	VS	100	1	-46.857332307558	-24.217033487261	VS	70	1
-46.8295925712	-24.195338459943	VS	100	1	-46.787431569167	-24.157351577083	VS	100	1
-46.854167634518	-24.208998701068	VS	100	1	-46.722618115678	-24.137215311251	VS	70	1
-46.869208600714	-24.214688272885	VS	100	1	-46.722554382354	-24.13739970585	VS	70	1
-46.863331137489	-24.219071210693	VS	100	1	-46.721740666356	-24.137983005409	VS	70	1
-46.882445108972	-24.237049252107	VS	100	1	-46.721985696595	-24.137225551566	VS	70	1
-46.894036147373	-24.232290922169	VS	100	1	-46.721719373101	-24.137407918579	VS	100	1
-46.861877124989	-24.211553430316	VS	100	1	-46.721337733782	-24.138153152012	VS	70	1
-46.85650128735	-24.215368671998	VS	100	1	-46.720974904381	-24.137736601297	VS	70	1
-46.859579618361	-24.213193463708	VS	100	1	-46.721579920352	-24.13843700899	VS	70	1
-46.789297239863	-24.169089200204	VS	100	1	-46.72183560835	-24.138727870966	VS	70	1
-46.782739367655	-24.1734566056	VS	100	1	-46.721845976413	-24.138573342814	VS	70	1
-46.853513299524	-24.160287433543	VS	100	1	-46.72213553073	-24.138366087718	VS	70	1
-46.862710824342	-24.16663087328	VS	70	1	-46.722444312116	-24.138149914643	VS	70	1
-46.84882774178	-24.161982518148	VS	100	1	-46.722873469766	-24.137526527627	VS	70	1
-46.772518388691	-24.157642268408	VS	70	1	-46.85673845103	-24.217454467513	VS	100	1
-46.750337333113	-24.15900776669	VS	100	1	-46.856429767161	-24.217676970462	VS	100	1
-46.854611596157	-24.220296884248	VS	100	1	-46.856260758148	-24.217791360777	VS	100	1
-46.885927423443	-24.202876273664	VS	100	1	-46.788499926794	-24.157000413123	VS	100	1
-46.800681668606	-24.192176285327	VS	100	1	-46.788358466799	-24.156783089011	VS	100	1
-46.80993422563	-24.188300609398	VS	100	1	-46.723084521408	-24.137771644412	VS	70	1
-46.809779635142	-24.188527872434	VS	100	1	-46.723323920403	-24.138063498414	VS	70	1
-46.80955893441	-24.188799358957	VS	100	1	-46.72356981398	-24.138342678615	VS	70	1
-46.808167100139	-24.187697793346	VS	100	1	-46.723222427724	-24.138369531629	VS	70	1
-46.809136644029	-24.187975520303	VS	100	2	-46.722916011865	-24.138592561276	VS	70	1
-46.776855579409	-24.175416648811	VS	70	1	-46.72260703864	-24.138808874137	VS	70	1
-46.786283225484	-24.179194716128	VS	250	1	-46.721249767156	-24.138992689865	VS	70	1
-46.814766238662	-24.180429375475	VS	100	1	-46.72188307934	-24.139322498607	VS	70	1
-46.910816283997	-24.228471083286	VS	70	1	-46.721574306317	-24.139547730677	VS	70	1
-46.882544040655	-24.220886557177	VS	100	1	-46.721043409157	-24.139926195746	VS	100	1
-46.880570087358	-24.219386372539	VS	100	1	-46.720502642202	-24.140304760042	VS	70	1
-46.880848369435	-24.219193801678	VS	100	1	-46.720174658375	-24.140547957492	VS	100	1
-46.881378699357	-24.21881785652	VS	100	1	-46.857319566897	-24.21737061928	VS	70	1
-46.881647246158	-24.218628022661	VS	100	1	-46.857050996485	-24.217237154221	VS	70	1
-46.883573320864	-24.21527292341	VS	100	1	-46.856726601789	-24.217080735745	VS	70	1
-46.88345599584	-24.215598469583	VS	100	1	-46.856431975629	-24.216938913844	VS	70	1
-46.891366432796	-24.210006534719	VS	100	1	-46.858521752951	-24.21796143521	VS	100	1
-46.885129403141	-24.214388347483	VS	100	1	-46.858063946487	-24.217740606155	VS	100	1
-46.885714448977	-24.213970864571	VS	100	1	-46.719644601122	-24.140123487891	VS	70	1
-46.775660279567	-24.152634990153	VS	100	1	-46.719374245952	-24.14031275031	VS	70	1
-46.8421202789	-24.207221320672	VS	100	1	-46.719363458123	-24.140594020543	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.839587049272	-24.206462756023	VS	100	1	-46.718969378176	-24.140145421417	VS	70	1
-46.843720773768	-24.206944022178	VS	100	1	-46.721145795183	-24.138407384357	VS	70	1
-46.84447784863	-24.210094462045	VS	100	1	-46.720875115859	-24.138598002334	VS	70	1
-46.844276142601	-24.209850066174	VS	100	1	-46.717099807629	-24.137284946554	VS	100	1
-46.844074169709	-24.20961965593	VS	100	1	-46.722577303959	-24.136798922101	VS	100	1
-46.844937772296	-24.207544251116	VS	100	1	-46.721498304193	-24.1375662227	VS	100	1
-46.840422558858	-24.207254588832	VS	100	1	-46.721196778301	-24.137772220978	VS	100	1
-46.839853457381	-24.203870354425	VS	100	1	-46.720945800437	-24.137952438881	VS	100	1
-46.83969982354	-24.204138836484	VS	100	1	-46.720748108134	-24.138075463265	VS	100	1
-46.842630779751	-24.201416745488	VS	100	1	-46.721454095051	-24.138183600112	VS	100	1
-46.842477040775	-24.201661822509	VS	100	1	-46.720391199247	-24.139438969149	VS	100	1
-46.843129655699	-24.20293090598	VS	100	1	-46.720227823891	-24.1392563925	VS	100	1
-46.842146583504	-24.202208699569	VS	100	1	-46.720677864686	-24.139402430312	VS	100	1
-46.840223729286	-24.20091321167	VS	100	1	-46.720590962322	-24.139663406699	VS	100	1
-46.838147115501	-24.204373539417	VS	100	1	-46.720407462464	-24.139591720652	VS	100	1
-46.836229730965	-24.198067954511	VS	100	1	-46.720772565032	-24.1398762453	VS	70	1
-46.836856097081	-24.198384388172	VS	70	1	-46.720782609001	-24.140106506665	VS	100	1
-46.837952524191	-24.201324709696	VS	100	1	-46.721303954789	-24.13973699711	VS	100	1
-46.837367780287	-24.201015530777	VS	100	1	-46.718506901113	-24.140299389871	VS	100	1
-46.83772291682	-24.200714021203	VS	100	1	-46.719965956695	-24.135818732773	VS	100	1
-46.837078211323	-24.19756978236	VS	100	1	-46.719746578658	-24.135556682532	VS	100	1
-46.840600820874	-24.198238367679	VS	100	1	-46.719617432688	-24.135540875733	VS	100	1
-46.840411425453	-24.19854713156	VS	100	1	-46.719924628092	-24.135349752395	VS	100	1
-46.775477002051	-24.152770182385	VS	100	1	-46.719327478214	-24.135780858455	VS	100	1
-46.835151989231	-24.200769838701	VS	100	1	-46.719053916205	-24.135922538913	VS	100	1
-46.834951016597	-24.201090692047	VS	100	1	-46.718812290936	-24.136093955759	VS	100	1
-46.83480473911	-24.201345304719	VS	100	1	-46.718281461356	-24.1364633084	VS	100	1
-46.834647316789	-24.201615534436	VS	100	1	-46.718039854345	-24.136634706259	VS	100	1
-46.90086254016	-24.240990370671	VS	100	1	-46.717788754016	-24.136815023429	VS	100	1
-46.900611226599	-24.240712812655	VS	100	1	-46.717537872128	-24.136986123653	VS	100	1
-46.825896281957	-24.172695737249	VS	70	1	-46.716987351894	-24.138107752558	VS	100	1
-46.824834576381	-24.172171335845	VS	70	1	-46.71668058974	-24.138336780872	VS	100	1
-46.86999632044	-24.213933785505	VS	100	1	-46.771948439967	-24.176475613162	VS	100	1
-46.893018936758	-24.234086200061	VS	100	1	-46.789876300369	-24.179925206613	VS	100	1
-46.862162648331	-24.211338343887	VS	100	1	-46.720144947558	-24.135165528461	VS	100	1
-46.861296934536	-24.21196228125	VS	100	1	-46.720405363444	-24.135025595141	VS	100	1
-46.860146339175	-24.212765554069	VS	100	1	-46.720669500093	-24.13484358337	VS	100	1
-46.856187011548	-24.215580356339	VS	100	1	-46.720939950894	-24.134654256648	VS	100	1
-46.859025830257	-24.21356675069	VS	100	1	-46.721227446637	-24.13444631355	VS	100	1
-46.776848455264	-24.145713950609	VS	100	1	-46.721129287271	-24.134692712629	VS	100	1
-46.780742486349	-24.115599913129	VS	100	1	-46.720944501352	-24.134440262852	VS	100	1
-46.784535209825	-24.168807539144	VS	100	1	-46.722282770214	-24.137587487882	VS	70	1
-46.860304554894	-24.140354226715	VS	100	1	-46.722029787116	-24.137777811719	VS	70	1
-46.759279875799	-24.149095427747	VS	100	1	-46.857681651418	-24.217547818213	VS	70	1
-46.877569879267	-24.227001287377	VS	100	1	-46.857456966291	-24.217710553031	VS	70	1
-46.83799481805	-24.204611689506	VS	100	1	-46.857328864948	-24.216927325993	VS	70	1
-46.842307016822	-24.201939759895	VS	100	1	-46.721156131991	-24.137940314262	VS	70	1
-46.822179217942	-24.16114108689	VS	100	1	-46.721509333516	-24.134266916961	VS	100	1
-46.720678159937	-24.142477814097	VS	70	1	-46.784931702036	-24.182985746309	VS	100	1
-46.761942080855	-24.172357581797	VS	100	1	-46.717477516141	-24.141030843825	VS	100	1
-46.762155838477	-24.172499532368	VS	70	1	-46.718107660437	-24.141467869702	VS	100	1
-46.806503943919	-24.193467224424	VS	100	2	-46.718282550287	-24.141890631643	VS	100	1
-46.795522173963	-24.18133452971	VS	100	1	-46.71852390693	-24.141719407791	VS	70	1
-46.850031109875	-24.213281057131	VS	100	1	-46.719267149198	-24.141187790842	VS	100	1
-46.862896652634	-24.215140454212	VS	100	1	-46.720201490918	-24.141394098719	VS	100	1
-46.818320758416	-24.162935593071	VS	100	1	-46.720024032614	-24.141339737683	VS	100	1
-46.837543388833	-24.207444095905	VS	100	1	-46.720250530313	-24.141604783308	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.818323444788	-24.162572772538	VS	100	1	-46.719861327175	-24.141629172827	VS	100	1
-46.818409525744	-24.162217597417	VS	70	1	-46.720529535657	-24.141180960041	VS	100	1
-46.8977671253	-24.232394206805	VS	100	1	-46.720822520283	-24.140971550913	VS	100	1
-46.8185016172	-24.162037245351	VS	70	1	-46.721140836365	-24.14075548697	VS	100	1
-46.81871099272	-24.162209880543	VS	70	1	-46.720672021097	-24.141790850247	VS	100	1
-46.90159098531	-24.240076210113	VS	100	1	-46.720980831218	-24.141565612857	VS	100	1
-46.761036334216	-24.16755843516	VS	100	1	-46.719812402809	-24.141095510974	VS	70	1
-46.761748747547	-24.167929613617	VS	70	1	-46.71985607289	-24.140773252347	VS	100	1
-46.819141779423	-24.162568220292	VS	70	1	-46.719585129878	-24.140842271119	VS	70	1
-46.818986322154	-24.16169381689	VS	70	1	-46.719527699829	-24.140998596001	VS	70	1
-46.81924658814	-24.161436504316	VS	70	1	-46.719016201208	-24.141367996279	VS	70	1
-46.81951159335	-24.161172442048	VS	70	1	-46.718762657604	-24.141559135902	VS	70	1
-46.819981086593	-24.16070496448	VS	70	1	-46.718309704492	-24.141690138465	VS	100	1
-46.83149291551	-24.179084104808	VS	70	1	-46.71754435949	-24.140848045374	VS	70	1
-46.815049611806	-24.176255252257	VS	70	1	-46.77622893134	-24.177279336755	VS	250	1
-46.884176605485	-24.230409983556	VS	100	1	-46.773442580714	-24.17657262691	VS	100	1
-46.853119196711	-24.208843815057	VS	100	1	-46.773221667061	-24.17672884645	VS	100	1
-46.82512341075	-24.17220342878	VS	70	1	-46.772980256009	-24.176901653165	VS	100	1
-46.844573626535	-24.168993163283	VS	70	1	-46.772719244163	-24.177037663142	VS	100	1
-46.844836271789	-24.168473036269	VS	70	1	-46.769832194223	-24.176663762564	VS	100	1
-46.843541060149	-24.162963481633	VS	100	1	-46.726079137421	-24.140407955756	VS	100	1
-46.832365914889	-24.163895308094	VS	100	1	-46.725912805541	-24.140770420477	VS	100	1
-46.831835110009	-24.163462135068	VS	100	1	-46.726991197398	-24.141763986821	VS	100	1
-46.831314321951	-24.16386150256	VS	100	1	-46.72837589365	-24.14137931725	VS	100	1
-46.831020474519	-24.16361690272	VS	100	1	-46.730843183253	-24.141873123265	VS	100	1
-46.829918758036	-24.162693161234	VS	100	1	-46.860348335515	-24.214928049995	VS	70	1
-46.82922787014	-24.162112890187	VS	100	1	-46.860102348176	-24.215083086775	VS	70	1
-46.829699711588	-24.162507030358	VS	100	1	-46.862534586629	-24.213385439886	VS	70	1
-46.830499572086	-24.16318129188	VS	100	1	-46.863040981931	-24.213639719773	VS	70	1
-46.833429922855	-24.166652666517	VS	100	1	-46.862327930103	-24.213526755359	VS	70	1
-46.830684044516	-24.164972233924	VS	100	1	-46.725779970647	-24.140624198641	VS	100	1
-46.830978138431	-24.165213243989	VS	100	1	-46.725519214691	-24.140804483486	VS	100	1
-46.83041624326	-24.164744980618	VS	100	1	-46.725247347885	-24.141012457601	VS	100	1
-46.830153021336	-24.16452410049	VS	100	1	-46.726084602513	-24.140983330399	VS	100	1
-46.829423324743	-24.164764249693	VS	100	1	-46.726586192946	-24.140803199741	VS	100	1
-46.828036003578	-24.163596911022	VS	100	1	-46.726354673925	-24.140974353168	VS	100	1
-46.827749202336	-24.163351326515	VS	100	1	-46.726866153397	-24.140604933999	VS	100	1
-46.828330476927	-24.163842308566	VS	100	1	-46.72707867953	-24.14046067162	VS	100	1
-46.828615241035	-24.16408744871	VS	100	1	-46.727348862422	-24.140262437157	VS	100	1
-46.828359062283	-24.164702630964	VS	100	1	-46.726045679304	-24.141190672431	VS	100	1
-46.828644105	-24.164957381018	VS	100	1	-46.725794535152	-24.141361968547	VS	100	1
-46.828933178491	-24.165196408813	VS	100	1	-46.725533991175	-24.141551175319	VS	100	1
-46.83072226767	-24.166676593234	VS	100	1	-46.725293715215	-24.141723532613	VS	100	1
-46.83039228216	-24.166406911124	VS	100	1	-46.862083045612	-24.213694349598	VS	70	1
-46.830098643748	-24.166157905939	VS	100	1	-46.86179347477	-24.213901868617	VS	70	1
-46.829803153928	-24.165914493676	VS	100	1	-46.861503941182	-24.214100308569	VS	70	1
-46.829496015851	-24.165673331513	VS	100	1	-46.861271720506	-24.214262322224	VS	70	1
-46.829203770702	-24.165426310586	VS	100	1	-46.86108880516	-24.214398105752	VS	70	1
-46.845572226655	-24.157665427388	VS	100	1	-46.860837645872	-24.214569629218	VS	70	1
-46.845800814408	-24.157958008247	VS	100	1	-46.860623711143	-24.214730976385	VS	70	1
-46.846012130469	-24.158239595884	VS	100	1	-46.861155482643	-24.213830829571	VS	70	1
-46.84624644055	-24.158466613093	VS	100	1	-46.725099542501	-24.141857596766	VS	100	1
-46.854314317085	-24.161192817366	VS	100	1	-46.726627850471	-24.142019928793	VS	100	1
-46.854097439139	-24.160943618215	VS	100	1	-46.72725200161	-24.141574595324	VS	100	1
-46.853694950877	-24.160491215001	VS	100	1	-46.727547289327	-24.141373070935	VS	100	1
-46.853165474047	-24.159992336817	VS	100	1	-46.727812027531	-24.141187043122	VS	100	1
-46.852874488482	-24.160239222611	VS	100	1	-46.728082220739	-24.140988816705	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.852806562443	-24.159481024895	VS	100	1	-46.728374972512	-24.140786957856	VS	100	1
-46.853068892419	-24.159773415682	VS	100	1	-46.728657820971	-24.140588039204	VS	100	1
-46.853311585154	-24.160065947704	VS	100	1	-46.728951128088	-24.140375935158	VS	100	1
-46.851304267034	-24.164628319383	VS	100	1	-46.729225587575	-24.140784413144	VS	100	1
-46.851612922005	-24.164402810106	VS	100	1	-46.728124955573	-24.141559539467	VS	100	1
-46.848105758842	-24.16250911244	VS	100	1	-46.863647383872	-24.212602280994	VS	70	1
-46.84839372656	-24.162298193046	VS	100	1	-46.865123711433	-24.212322732703	VS	70	1
-46.848928737137	-24.162667962847	VS	100	1	-46.86480956268	-24.212541762094	VS	70	1
-46.849203559977	-24.162993213134	VS	100	1	-46.864483192029	-24.212765687783	VS	70	1
-46.846866294098	-24.162367157169	VS	100	1	-46.863114057466	-24.212967954337	VS	70	1
-46.847209366468	-24.162114852758	VS	100	1	-46.862810521442	-24.21318424729	VS	70	1
-46.847449278298	-24.161948319063	VS	100	1	-46.863426812474	-24.212751704082	VS	70	1
-46.847841287309	-24.161666845377	VS	100	1	-46.727874057275	-24.141739726242	VS	100	1
-46.848125046417	-24.161475376815	VS	100	1	-46.72761330114	-24.141920014756	VS	100	1
-46.849134307528	-24.161760121429	VS	100	1	-46.729977211353	-24.141754124929	VS	100	1
-46.847586851278	-24.148529167192	VS	100	1	-46.77348936989	-24.174807633256	VS	100	1
-46.847791106219	-24.148107012484	VS	100	1	-46.773257802762	-24.174978875002	VS	100	1
-46.847144810403	-24.149730424723	VS	100	1	-46.730286038474	-24.14152884013	VS	70	1
-46.847256751832	-24.149427663338	VS	100	1	-46.728655853283	-24.141181048011	VS	100	1
-46.818062314123	-24.148848969833	VS	100	1	-46.776776600879	-24.176463224577	VS	100	1
-46.872282950071	-24.228015267658	VS	100	1	-46.86562486909	-24.213253096179	VS	100	1
-46.868341264697	-24.226699532521	VS	100	1	-46.865335304045	-24.21346062288	VS	100	1
-46.87698394106	-24.2230992719	VS	100	1	-46.865904812817	-24.213054567016	VS	100	1
-46.872946365704	-24.228966461741	VS	100	1	-46.865064939833	-24.213650151523	VS	100	1
-46.869364961795	-24.223000984495	VS	100	1	-46.866386581938	-24.213433764421	VS	70	1
-46.722485716387	-24.147940463965	VS	70	1	-46.866080629604	-24.213659529004	VS	70	1
-46.7220235948	-24.148296834126	VS	70	1	-46.864794797548	-24.213848602782	VS	100	1
-46.723218529406	-24.147464909675	VS	70	1	-46.782696254881	-24.180597893773	VS	250	1
-46.725457598425	-24.149817148359	VS	70	1	-46.865544042383	-24.214056156766	VS	70	1
-46.764454960366	-24.165636797355	VS	70	1	-46.78177644863	-24.179930908273	VS	250	1
-46.764271652326	-24.165771971688	VS	70	1	-46.865264725728	-24.214262870805	VS	70	1
-46.767050142484	-24.164442705094	VS	70	1	-46.786428951013	-24.177027360404	VS	100	1
-46.754684505153	-24.157454629877	VS	100	1	-46.864987069812	-24.214465626139	VS	70	1
-46.757199230934	-24.166369071229	VS	100	1	-46.864840376756	-24.214310685221	VS	70	1
-46.855473820914	-24.222885041407	VS	100	1	-46.786102306783	-24.17689614546	VS	100	1
-46.865869444846	-24.224762295495	VS	100	1	-46.775284520418	-24.175188412837	VS	100	1
-46.870264423818	-24.22942341143	VS	100	1	-46.776923753398	-24.174931522122	VS	100	1
-46.867465701868	-24.226959915293	VS	100	1	-46.776824138764	-24.174178608797	VS	100	1
-46.867681678657	-24.227197534657	VS	100	1	-46.776737227077	-24.174961192842	VS	100	1
-46.842739326854	-24.213990452462	VS	100	1	-46.776641064689	-24.174794331329	VS	100	1
-46.861031493557	-24.215778916451	VS	100	1	-46.776580435331	-24.174359238461	VS	100	1
-46.861486732931	-24.215618520083	VS	100	1	-46.776478175178	-24.175134859957	VS	100	1
-46.861281738573	-24.215458616997	VS	100	1	-46.776393245129	-24.174677067529	VS	100	1
-46.862073121829	-24.21651412059	VS	100	1	-46.776361687333	-24.174511998411	VS	100	1
-46.849608950664	-24.218936497432	VS	100	1	-46.86447671567	-24.213894212108	VS	70	1
-46.849871256817	-24.219107383849	VS	100	1	-46.864284946598	-24.213681575513	VS	70	1
-46.862203802539	-24.222934080695	VS	100	1	-46.865176423078	-24.216105843002	VS	70	1
-46.860498883805	-24.221325371863	VS	100	1	-46.864906052147	-24.216295379535	VS	70	1
-46.843994666704	-24.213627049121	VS	100	1	-46.864873953931	-24.21649936664	VS	70	1
-46.843782866429	-24.213396702936	VS	100	1	-46.864616629288	-24.216502799623	VS	70	1
-46.842702804801	-24.213450025688	VS	100	1	-46.864534109028	-24.216261027247	VS	70	1
-46.841813937372	-24.212442156129	VS	100	1	-46.86432706451	-24.216710323388	VS	70	1
-46.842063234043	-24.212728826007	VS	100	1	-46.864233953853	-24.216057037109	VS	70	1
-46.842255994649	-24.212942027731	VS	100	1	-46.863899462428	-24.216080018069	VS	70	1
-46.843113863429	-24.214413831426	VS	100	1	-46.863878252864	-24.21521473937	VS	70	1
-46.842951520502	-24.214238599659	VS	100	1	-46.863665671879	-24.215633994839	VS	70	1
-46.844722850813	-24.210361805897	VS	100	1	-46.776226209503	-24.17636993126	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.845082781997	-24.210751456702	VS	100	1	-46.783769335722	-24.181125446277	VS	250	1
-46.846685234459	-24.208231287795	VS	100	1	-46.783521115485	-24.18100244704	VS	250	1
-46.846468200766	-24.207967812546	VS	100	1	-46.78326294013	-24.180879451116	VS	250	1
-46.847129665555	-24.208745221756	VS	100	1	-46.776168829276	-24.175640801123	VS	70	1
-46.847391470675	-24.208821822858	VS	100	1	-46.726764471549	-24.150535587314	VS	70	1
-46.847341899762	-24.208993400016	VS	100	1	-46.726522901669	-24.150697892477	VS	70	1
-46.850170316262	-24.206698738634	VS	100	1	-46.863613202836	-24.215404219982	VS	70	1
-46.849732759848	-24.206187498104	VS	100	1	-46.863391090669	-24.215447622699	VS	70	1
-46.849957867111	-24.20644164122	VS	100	1	-46.863357362279	-24.215602561194	VS	70	1
-46.850382342371	-24.206937990196	VS	100	1	-46.863145206162	-24.215272832485	VS	70	1
-46.85059451478	-24.207186090454	VS	100	1	-46.86310641555	-24.215783011417	VS	70	1
-46.84928299996	-24.206553986256	VS	100	1	-46.729481626034	-24.147869522327	VS	70	1
-46.84902037916	-24.206252655334	VS	100	1	-46.726539623486	-24.144999428547	VS	70	1
-46.849485384675	-24.206802199329	VS	100	1	-46.731031584269	-24.147601347954	VS	70	1
-46.860032638814	-24.225835319184	VS	100	1	-46.731631602955	-24.147240192089	VS	70	1
-46.745346166966	-24.160282653153	VS	100	1	-46.731863835213	-24.147515238518	VS	70	1
-46.745047993686	-24.160124206285	VS	100	1	-46.729059201084	-24.149184365963	VS	70	1
-46.744740013067	-24.159965818442	VS	100	1	-46.728800893025	-24.149390985201	VS	70	1
-46.74442199966	-24.159798594051	VS	100	1	-46.728520495475	-24.149571417076	VS	70	1
-46.74412323218	-24.159639768384	VS	100	1	-46.72828630834	-24.149731056644	VS	70	1
-46.743835053205	-24.159481373363	VS	100	1	-46.726846789999	-24.148179691411	VS	100	1
-46.743526860889	-24.159314070221	VS	100	1	-46.837526368625	-24.1968138439	VS	70	1
-46.74414323077	-24.159313481717	VS	100	1	-46.83734354944	-24.197125488166	VS	70	1
-46.744020474953	-24.159519569865	VS	100	1	-46.837140849188	-24.197168610575	VS	70	1
-46.743868176455	-24.159742114804	VS	100	1	-46.838089295499	-24.197638660482	VS	100	1
-46.745527500545	-24.16078015179	VS	100	1	-46.837796814086	-24.197493703141	VS	100	1
-46.745189912827	-24.161032384196	VS	100	1	-46.837468970378	-24.197335641985	VS	100	1
-46.744948954123	-24.161221493999	VS	100	1	-46.838746316998	-24.196808548733	VS	250	1
-46.744688592701	-24.16141965358	VS	100	1	-46.838591482052	-24.197067683917	VS	250	1
-46.902944302718	-24.192898800696	VS	100	1	-46.838453235197	-24.197298808695	VS	250	1
-46.902656193879	-24.193078498288	VS	100	1	-46.8382835709	-24.197578960101	VS	250	1
-46.902303424319	-24.193316856241	VS	100	1	-46.838107773038	-24.197869059533	VS	250	1
-46.901980032614	-24.193544526324	VS	100	1	-46.837947347904	-24.198137994635	VS	250	1
-46.905064548936	-24.223975313563	VS	100	1	-46.726605428979	-24.148350919229	VS	70	1
-46.904900934735	-24.224108770177	VS	100	1	-46.726344676027	-24.148531203873	VS	70	1
-46.904601874567	-24.224325344446	VS	100	1	-46.729753636428	-24.147648698723	VS	70	1
-46.891061047846	-24.238079426145	VS	100	1	-46.729162729064	-24.148085974709	VS	70	1
-46.891302202203	-24.237903994127	VS	100	1	-46.72885293114	-24.148263113163	VS	70	1
-46.891402206882	-24.237771225122	VS	100	1	-46.725563674367	-24.14556417562	VS	70	1
-46.891545061362	-24.237731790579	VS	100	1	-46.837786922324	-24.19840692046	VS	250	1
-46.891108061412	-24.237809110962	VS	100	1	-46.837635885822	-24.198657935435	VS	250	1
-46.890876280101	-24.237552805788	VS	100	1	-46.837456348776	-24.198944730727	VS	250	1
-46.8906944728	-24.237349029646	VS	100	1	-46.837297670342	-24.19922726387	VS	250	1
-46.890462227405	-24.237208997443	VS	100	1	-46.837144714554	-24.199484636079	VS	250	1
-46.890193794179	-24.237077309208	VS	100	1	-46.839605299154	-24.198380837132	VS	70	1
-46.847005392835	-24.216325614707	VS	70	1	-46.839131608076	-24.199499912561	VS	70	1
-46.842023889364	-24.211313655322	VS	70	1	-46.83842280675	-24.19780113112	VS	70	1
-46.841791594369	-24.211047782027	VS	70	1	-46.839873600599	-24.198512597687	VS	70	1
-46.841540513975	-24.210794612438	VS	70	1	-46.840118598855	-24.19863249546	VS	70	1
-46.842114071535	-24.210589779187	VS	70	1	-46.840449819644	-24.198802400979	VS	70	1
-46.842295982008	-24.210802512562	VS	70	1	-46.840768186293	-24.198969520042	VS	70	1
-46.842487706408	-24.21101517149	VS	70	1	-46.725361597143	-24.145315796271	VS	70	1
-46.842999301574	-24.210662732027	VS	70	1	-46.726800387825	-24.144819143015	VS	100	1
-46.8427881215	-24.210433150425	VS	70	1	-46.728188718794	-24.147233439886	VS	70	1
-46.842633045781	-24.210241049937	VS	70	1	-46.728449068591	-24.147035307861	VS	70	1
-46.844802003784	-24.212753113042	VS	70	1	-46.728738849233	-24.14683697268	VS	70	1
-46.840960310389	-24.210678935607	VS	70	1	-46.729298295535	-24.146422634409	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.784022384561	-24.183655608087	VS	250	1	-46.729018751551	-24.14663874757	VS	70	1
-46.782240610755	-24.181911659933	VS	250	1	-46.729559180487	-24.146242266268	VS	70	1
-46.779172062568	-24.178882756005	VS	250	1	-46.729848753678	-24.146035006583	VS	70	1
-46.810222833981	-24.193169612161	VS	100	1	-46.730119220607	-24.145845647115	VS	70	1
-46.809227392513	-24.192542600819	VS	100	1	-46.730408792063	-24.145638386104	VS	70	1
-46.80946636906	-24.190819126668	VS	100	1	-46.841066370284	-24.199118892902	VS	70	1
-46.714036749037	-24.13950227896	VS	100	1	-46.841392269784	-24.199284449603	VS	70	1
-46.713746957431	-24.139710042006	VS	100	1	-46.841742261875	-24.199452756043	VS	70	1
-46.713466739998	-24.139899376186	VS	100	1	-46.840175087075	-24.200027009024	VS	70	1
-46.815037015218	-24.188414981013	VS	100	1	-46.839847012804	-24.199860019737	VS	70	1
-46.814684197854	-24.18839482756	VS	100	1	-46.838416120048	-24.199148545802	VS	70	1
-46.81448144489	-24.188128689283	VS	100	1	-46.838108117446	-24.198999251033	VS	70	1
-46.814289162218	-24.187889246587	VS	100	1	-46.837811183071	-24.198852395382	VS	70	1
-46.729786735919	-24.154327016973	VS	100	1	-46.83833807633	-24.199678633445	VS	70	1
-46.728872383384	-24.151520433626	VS	100	1	-46.839489560038	-24.199684517485	VS	70	1
-46.728548540144	-24.151336068145	VS	100	1	-46.838793935269	-24.199341927319	VS	70	1
-46.728262650004	-24.151176242275	VS	100	1	-46.730688964025	-24.145449026939	VS	70	1
-46.728061774824	-24.151196392783	VS	100	1	-46.730997953723	-24.145232707391	VS	70	1
-46.727952384517	-24.151001677469	VS	100	1	-46.731295682823	-24.147908706589	VS	70	1
-46.727663635561	-24.150823604606	VS	100	1	-46.73100945929	-24.14898263488	VS	70	1
-46.727055878375	-24.150515264308	VS	100	1	-46.73076811087	-24.149153870139	VS	70	1
-46.727297955567	-24.150686601859	VS	100	1	-46.7313791992	-24.146938643094	VS	70	1
-46.727393163283	-24.150489763558	VS	100	1	-46.731127224546	-24.146654938169	VS	70	1
-46.735455712011	-24.15181626838	VS	100	1	-46.73208575835	-24.147772388918	VS	100	1
-46.737728151564	-24.148999039778	VS	100	1	-46.732311553926	-24.148045171998	VS	100	1
-46.737556324179	-24.148786147989	VS	100	1	-46.731912748183	-24.147304243408	VS	70	1
-46.737339905837	-24.148520521502	VS	100	1	-46.724717342968	-24.147668009651	VS	70	1
-46.812486672837	-24.193521278485	VS	100	1	-46.727538157444	-24.147714248193	VS	70	1
-46.812139086082	-24.193264232426	VS	100	1	-46.731316525752	-24.145007396812	VS	70	1
-46.811878784198	-24.193208399018	VS	100	1	-46.768658859983	-24.173555039378	VS	100	1
-46.811627893163	-24.193051196594	VS	100	1	-46.768350796564	-24.173405507932	VS	100	1
-46.811436268932	-24.19292350276	VS	100	1	-46.768082498456	-24.173264771721	VS	100	1
-46.811224399175	-24.19294895501	VS	250	1	-46.767736206779	-24.173957839239	VS	100	1
-46.810993577103	-24.193127958434	VS	250	1	-46.767436586095	-24.174156326764	VS	100	1
-46.811456173	-24.192767579124	VS	250	1	-46.767156493626	-24.174354734532	VS	100	1
-46.810752431573	-24.193308236928	VS	250	1	-46.767060261304	-24.175096702459	VS	100	1
-46.811187835239	-24.192761525817	VS	250	1	-46.766866641115	-24.174553167782	VS	100	1
-46.811681251298	-24.192590751857	VS	250	1	-46.766460567923	-24.174771943922	VS	100	1
-46.807061393267	-24.195700564049	VS	100	1	-46.769656823901	-24.173381375593	VS	100	1
-46.807037522176	-24.195920083471	VS	100	1	-46.769584541882	-24.172651986263	VS	100	1
-46.798499328028	-24.188926131871	VS	250	1	-46.769285344811	-24.172871153703	VS	100	1
-46.713186804472	-24.140097597655	VS	100	1	-46.769011444085	-24.173073875798	VS	100	1
-46.81859950788	-24.175156220867	VS	70	1	-46.76899969444	-24.173841553873	VS	100	1
-46.81873258323	-24.174977960246	VS	70	1	-46.768997185495	-24.173731241136	VS	100	1
-46.819004114225	-24.175164250681	VS	70	1	-46.768907896844	-24.172432259184	VS	100	1
-46.818475039775	-24.174789799628	VS	70	1	-46.768660426482	-24.17330734276	VS	100	1
-46.818185682025	-24.17459571574	VS	70	1	-46.768709895492	-24.17403996555	VS	100	1
-46.817883006667	-24.174393268336	VS	70	1	-46.768666395297	-24.172612693016	VS	100	1
-46.817659612139	-24.174558389849	VS	70	1	-46.768447284479	-24.172754575926	VS	100	1
-46.817414144702	-24.174716575272	VS	70	1	-46.768429708479	-24.174229393744	VS	100	1
-46.817349482031	-24.174846540302	VS	70	1	-46.768345037651	-24.173533757253	VS	100	1
-46.817594854136	-24.175014019164	VS	70	1	-46.76814206	-24.17298390521	VS	100	1
-46.817852309831	-24.175186770438	VS	70	1	-46.768120671476	-24.174445796388	VS	100	1
-46.818103892695	-24.175352192291	VS	70	1	-46.767774133962	-24.171825150983	VS	100	1
-46.826156883879	-24.201746531621	VS	70	1	-46.767831086189	-24.17465312845	VS	100	1
-46.832172835855	-24.186675537848	VS	70	1	-46.767785726365	-24.173124803182	VS	100	1
-46.876238660666	-24.217978180003	VS	100	1	-46.76775806325	-24.173235178554	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.832994441939	-24.187190146318	VS	70	1	-46.767571189523	-24.171960476974	VS	100	1
-46.831914002731	-24.186900387704	VS	70	1	-46.767541197508	-24.174842546418	VS	100	1
-46.833464198996	-24.186200381671	VS	70	1	-46.76744934844	-24.173451399608	VS	100	1
-46.833726758328	-24.186456009195	VS	70	1	-46.76736846124	-24.172104716075	VS	100	1
-46.749126958212	-24.160883482287	VS	100	1	-46.767357670898	-24.174968800812	VS	100	1
-46.908639847069	-24.229792294246	VS	100	1	-46.838196851656	-24.199929565728	VS	70	1
-46.908446250829	-24.22958536191	VS	100	1	-46.83748122282	-24.198691309666	VS	70	1
-46.908248806783	-24.229368723062	VS	100	1	-46.837174129677	-24.198542533999	VS	70	1
-46.908001646342	-24.229088323204	VS	100	1	-46.895051478517	-24.24444761988	VS	100	1
-46.907551603096	-24.228587440269	VS	100	1	-46.767165676625	-24.172239937679	VS	100	1
-46.907604899188	-24.228438071881	VS	100	1	-46.767193497094	-24.175086027532	VS	100	1
-46.907332433683	-24.228637595184	VS	100	1	-46.767150010947	-24.173667817551	VS	100	1
-46.906892306745	-24.228754735004	VS	100	1	-46.767081773699	-24.17160722454	VS	100	1
-46.907088047661	-24.228815666078	VS	100	1	-46.766991166996	-24.172375656684	VS	100	1
-46.906852627464	-24.228982400593	VS	100	1	-46.76691041321	-24.172675659359	VS	100	1
-46.90713666002	-24.22902904666	VS	100	1	-46.766873045881	-24.173161246533	VS	100	1
-46.907356150962	-24.229272861467	VS	100	1	-46.766870014305	-24.173857103736	VS	100	1
-46.90758070059	-24.229526072352	VS	100	1	-46.766821073933	-24.17178753623	VS	100	1
-46.907763294815	-24.228824570534	VS	100	1	-46.766745658783	-24.174928819274	VS	100	1
-46.8425171498	-24.213742185349	VS	70	1	-46.766640812851	-24.172553321622	VS	100	1
-46.870516374726	-24.232077967967	VS	100	1	-46.76656989662	-24.171958898247	VS	100	1
-46.928408659681	-24.21789836984	VS	100	1	-46.766599625492	-24.174046458161	VS	100	1
-46.928103103487	-24.218125705839	VS	100	1	-46.766554302796	-24.174771242092	VS	100	1
-46.927797560692	-24.218340237597	VS	100	1	-46.766477910707	-24.171483778447	VS	100	1
-46.927489192603	-24.218562258043	VS	100	1	-46.766337018769	-24.172121861271	VS	100	1
-46.927198011459	-24.218779589563	VS	100	1	-46.766334167189	-24.172385425168	VS	100	1
-46.764703771318	-24.167943568433	VS	100	1	-46.766329256142	-24.174235794521	VS	100	1
-46.762483012059	-24.165735853722	VS	100	1	-46.766207527027	-24.171673132828	VS	100	1
-46.763369127862	-24.166192213913	VS	100	1	-46.766138960715	-24.174594236176	VS	100	1
-46.763126024587	-24.1660687518	VS	70	1	-46.766039484691	-24.171210439916	VS	100	1
-46.781185195083	-24.165789743562	VS	100	1	-46.766009280163	-24.172234583227	VS	100	1
-46.78090510993	-24.165988208525	VS	100	1	-46.766030246498	-24.174451993553	VS	100	1
-46.7806249471	-24.16617766402	VS	100	1	-46.765927413635	-24.17186249551	VS	100	1
-46.780354395764	-24.166358108096	VS	100	1	-46.76590432487	-24.174455171643	VS	100	1
-46.780064797004	-24.166565494574	VS	100	1	-46.765759498244	-24.171408776425	VS	100	1
-46.779823247213	-24.16672788945	VS	100	1	-46.765768094666	-24.172104117985	VS	100	1
-46.772815262482	-24.170853736804	VS	100	1	-46.76574905171	-24.172526933652	VS	100	1
-46.773513370591	-24.16804146339	VS	100	1	-46.765636978954	-24.172075714259	VS	100	1
-46.774475234837	-24.170440344908	VS	100	1	-46.765517300185	-24.172698274946	VS	100	1
-46.774144886711	-24.170656026308	VS	100	1	-46.765499257024	-24.171927850361	VS	100	1
-46.773845158776	-24.170867517116	VS	100	1	-46.765479304341	-24.17159819914	VS	100	1
-46.773565223087	-24.17106584387	VS	100	1	-46.765338550577	-24.172277142975	VS	100	1
-46.773140318271	-24.17115487829	VS	100	1	-46.765266440508	-24.172869435874	VS	100	1
-46.772799857326	-24.171005258843	VS	100	1	-46.765182791896	-24.171840106855	VS	100	1
-46.772925231669	-24.170772818428	VS	100	1	-46.765098055701	-24.171148760173	VS	100	1
-46.773804758403	-24.167851432717	VS	100	1	-46.765058349705	-24.172475616079	VS	100	1
-46.77403066384	-24.167880936438	VS	100	1	-46.765011876225	-24.171663677428	VS	100	1
-46.774328484657	-24.168021498279	VS	100	1	-46.838433990797	-24.200551116762	VS	70	1
-46.775460810682	-24.166819612532	VS	100	1	-46.83810005927	-24.200382926683	VS	70	1
-46.775289789087	-24.1667972327	VS	100	1	-46.764995801309	-24.173058942724	VS	100	1
-46.775111171701	-24.166655012969	VS	100	1	-46.76491016663	-24.172021687932	VS	100	1
-46.781445035769	-24.162466318628	VS	70	1	-46.764818228886	-24.171346991046	VS	100	1
-46.781150015273	-24.162472137989	VS	70	1	-46.764777874332	-24.171545464512	VS	100	1
-46.781672489157	-24.162310931438	VS	70	1	-46.76475894566	-24.172683020681	VS	100	1
-46.775825454987	-24.151980515135	VS	70	1	-46.764735015857	-24.173239292843	VS	100	1
-46.774985151197	-24.153130619442	VS	100	1	-46.764668856442	-24.172192942299	VS	100	1
-46.774717187163	-24.153310802933	VS	100	1	-46.764489510301	-24.171572638801	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.777121986157	-24.152070602121	VS	70	1	-46.764497961991	-24.171389487899	VS	100	1
-46.776823781034	-24.151912205708	VS	70	1	-46.764493446395	-24.173401659073	VS	100	1
-46.776524829191	-24.151744583064	VS	70	1	-46.764469541624	-24.172890215971	VS	100	1
-46.77669527713	-24.15187599723	VS	100	1	-46.764446908295	-24.172355169381	VS	100	1
-46.776493155008	-24.152036895122	VS	100	1	-46.729004025738	-24.143215712463	VS	70	1
-46.776438286986	-24.152302220222	VS	70	1	-46.837758436905	-24.200218213113	VS	70	1
-46.776098842132	-24.152127199045	VS	70	1	-46.837453744035	-24.200068962307	VS	70	1
-46.776197040928	-24.152236902085	VS	100	1	-46.837151052396	-24.199923182843	VS	70	1
-46.775988276442	-24.15238255879	VS	100	1	-46.838034341729	-24.200188760255	VS	70	1
-46.775521263438	-24.152457051086	VS	70	1	-46.836344113584	-24.201926831116	VS	100	1
-46.768640869396	-24.171622798889	VS	100	1	-46.836652331075	-24.202085052827	VS	100	1
-46.776532050608	-24.176303037556	VS	100	1	-46.837385819322	-24.202454178629	VS	70	1
-46.77623956908	-24.176157874633	VS	100	1	-46.837716021403	-24.202612332913	VS	70	1
-46.775972176549	-24.176008863538	VS	100	1	-46.836327464743	-24.20303150867	VS	70	1
-46.775662425739	-24.17588945602	VS	100	1	-46.839228119108	-24.202337147746	VS	100	1
-46.775406307879	-24.175748149798	VS	100	1	-46.840506362999	-24.201604906318	VS	100	1
-46.775274124271	-24.175903607716	VS	100	1	-46.839849363417	-24.20266867818	VS	100	1
-46.775010865582	-24.176101019586	VS	100	1	-46.728716351593	-24.14343132747	VS	70	1
-46.774798522664	-24.1762542971	VS	100	1	-46.727764249006	-24.143559084254	VS	70	1
-46.774653762133	-24.176352146746	VS	100	1	-46.731635106819	-24.144782076671	VS	70	1
-46.774510201857	-24.176405257771	VS	100	1	-46.731927659294	-24.144577203638	VS	70	1
-46.774171790996	-24.176237124398	VS	100	1	-46.732185430921	-24.14439451611	VS	70	1
-46.77507789761	-24.175582513914	VS	100	1	-46.729222632014	-24.143062124603	VS	70	1
-46.77502257639	-24.175464910747	VS	100	1	-46.729511912883	-24.142846003538	VS	70	1
-46.774831845951	-24.175584483702	VS	100	1	-46.730071621712	-24.142440538531	VS	70	1
-46.774388230089	-24.175898599568	VS	100	1	-46.730351572014	-24.142242265869	VS	70	1
-46.774126363875	-24.176095471401	VS	100	1	-46.730639953143	-24.142307584849	VS	70	1
-46.7739279524	-24.176230363748	VS	100	1	-46.730397873546	-24.142041223115	VS	70	1
-46.773694611187	-24.176403774525	VS	100	1	-46.839540169406	-24.202501906431	VS	100	1
-46.77477151315	-24.175372717	VS	100	1	-46.788045612577	-24.156299558662	VS	100	1
-46.774095812976	-24.175610383192	VS	100	1	-46.788196535658	-24.156532985359	VS	100	1
-46.77358508561	-24.17593579616	VS	100	1	-46.78786461385	-24.156015551094	VS	100	1
-46.773352228151	-24.175799360878	VS	100	1	-46.729099246433	-24.142402810229	VS	70	1
-46.773074024212	-24.175662747957	VS	100	1	-46.729388810503	-24.142195550238	VS	70	1
-46.773470385581	-24.175683364623	VS	100	1	-46.729688077019	-24.141979230636	VS	70	1
-46.773744287657	-24.175465415925	VS	100	1	-46.728790445303	-24.142628074823	VS	70	1
-46.774053446076	-24.175265728433	VS	100	1	-46.728440794498	-24.143620839595	VS	70	1
-46.774174604763	-24.17506228178	VS	100	1	-46.728170635666	-24.143819039981	VS	70	1
-46.774473941101	-24.175222324973	VS	100	1	-46.72796590164	-24.14378961643	VS	70	1
-46.773241112658	-24.175839523563	VS	100	1	-46.727919825162	-24.144008244097	VS	70	1
-46.867099294949	-24.219654051503	VS	100	1	-46.727649674575	-24.144206443599	VS	70	1
-46.86729420831	-24.220162480594	VS	100	1	-46.727398933695	-24.144395576506	VS	70	1
-46.872293676047	-24.204065035296	VS	100	1	-46.727089890804	-24.144611931843	VS	70	1
-46.872080310072	-24.203810275004	VS	100	1	-46.728082756613	-24.145523824461	VS	70	1
-46.871847655015	-24.203544027039	VS	100	1	-46.727812388883	-24.145713101674	VS	70	1
-46.872418045882	-24.203147854318	VS	100	1	-46.787699199191	-24.155753693379	VS	100	1
-46.872619990065	-24.203412636952	VS	100	1	-46.739098870454	-24.155100456454	VS	100	1
-46.87286325111	-24.2036768274	VS	100	1	-46.727542234123	-24.145911300427	VS	70	1
-46.873884786423	-24.203851735624	VS	100	1	-46.728642655881	-24.145127315154	VS	70	1
-46.873652328225	-24.203577119126	VS	100	1	-46.724965803727	-24.14432848817	VS	70	1
-46.873411045392	-24.203294211307	VS	100	1	-46.72478418812	-24.144115652813	VS	70	1
-46.775849153225	-24.152632970253	VS	70	1	-46.724604383073	-24.143910413904	VS	70	1
-46.77616698489	-24.152791218647	VS	70	1	-46.724467890468	-24.143756587388	VS	70	1
-46.769347412284	-24.156589041102	VS	100	1	-46.72426163994	-24.143532458309	VS	70	1
-46.769904075537	-24.156888260657	VS	100	1	-46.728616919997	-24.145477442836	VS	70	1
-46.770227864952	-24.156565071891	VS	100	1	-46.72837474298	-24.145193639358	VS	70	1
-46.770941651772	-24.15604241256	VS	100	1	-46.730611696724	-24.142044266497	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.826113832327	-24.205213669381	VS	100	1	-46.728258014166	-24.144108798966	VS	70	1
-46.826511086923	-24.205401574228	VS	100	1	-46.769595413179	-24.174113585955	VS	100	1
-46.826751720273	-24.205559358536	VS	70	1	-46.769325203818	-24.174311876092	VS	100	1
-46.82628319857	-24.205256302006	VS	70	1	-46.769054826969	-24.174501226516	VS	100	1
-46.826377212352	-24.205119205426	VS	70	1	-46.768533474299	-24.174870863324	VS	100	1
-46.826563876166	-24.204805132686	VS	70	1	-46.76830180078	-24.175042174913	VS	100	1
-46.826665506512	-24.204638230434	VS	70	1	-46.768050501316	-24.175208441656	VS	100	1
-46.826832405759	-24.204366197666	VS	70	1	-46.767851973979	-24.175380340352	VS	100	1
-46.827112207053	-24.204282956936	VS	70	1	-46.767580177857	-24.173013732068	VS	100	1
-46.827469293201	-24.204457973028	VS	70	1	-46.767384604477	-24.172914550165	VS	100	1
-46.827801137957	-24.204617888287	VS	70	1	-46.767170870255	-24.172812419845	VS	100	1
-46.827833805868	-24.204383871073	VS	70	1	-46.76836678467	-24.17212098369	VS	100	1
-46.828055272109	-24.204185281664	VS	70	1	-46.840503162576	-24.200193988707	VS	70	1
-46.827563881378	-24.204635082755	VS	70	1	-46.841436044558	-24.201250574945	VS	70	1
-46.827452334	-24.204940930559	VS	70	1	-46.841606352724	-24.200981455196	VS	70	1
-46.827319988915	-24.205284354527	VS	70	1	-46.841270836668	-24.201524855869	VS	70	1
-46.826794299925	-24.204132177365	VS	70	1	-46.841825363028	-24.200861892313	VS	70	1
-46.826466172583	-24.203965663249	VS	70	1	-46.842153222001	-24.201019945958	VS	70	1
-46.82700482744	-24.204084858315	VS	70	1	-46.843252775154	-24.200377787956	VS	70	1
-46.826138141512	-24.203988479076	VS	70	1	-46.843109566108	-24.200612893246	VS	70	1
-46.826343199555	-24.203361774948	VS	70	1	-46.768113560202	-24.172294256926	VS	100	1
-46.826293858042	-24.203709702579	VS	70	1	-46.767809436372	-24.172494153177	VS	100	1
-46.826139963936	-24.203799120021	VS	70	1	-46.767558374586	-24.172674499582	VS	100	1
-46.792794904946	-24.160644404566	VS	70	1	-46.767153035224	-24.172962908295	VS	100	1
-46.792964001838	-24.16065589189	VS	70	1	-46.766409494824	-24.173476811947	VS	100	1
-46.793146853112	-24.160876177558	VS	70	1	-46.766167896803	-24.173639189259	VS	100	1
-46.792567371148	-24.1608116729	VS	70	1	-46.765936343703	-24.173810419339	VS	100	1
-46.792329163008	-24.160977816445	VS	70	1	-46.765723791109	-24.173954725026	VS	100	1
-46.792097664443	-24.1611490856	VS	70	1	-46.765600977555	-24.174285507854	VS	100	1
-46.791865957303	-24.16131142292	VS	70	1	-46.765477946673	-24.174119164689	VS	100	1
-46.79181168731	-24.16160177387	VS	70	1	-46.765338811651	-24.174129665076	VS	100	1
-46.791624373013	-24.16146481367	VS	70	1	-46.76505442372	-24.173986420546	VS	100	1
-46.791350067547	-24.161629245614	VS	70	1	-46.842939545183	-24.200890831745	VS	70	1
-46.791084764483	-24.16181905282	VS	70	1	-46.842778903311	-24.201150849699	VS	70	1
-46.793728775515	-24.159988776141	VS	70	1	-46.840831344703	-24.200361042812	VS	70	1
-46.791542026917	-24.161244544995	VS	70	1	-46.841159633425	-24.200536944065	VS	70	1
-46.842072631166	-24.213228109478	VS	70	1	-46.841497312932	-24.200694924848	VS	70	1
-46.842274825509	-24.213467454631	VS	70	1	-46.841936493802	-24.20042579781	VS	70	1
-46.763786317109	-24.161071591503	VS	100	1	-46.841766470849	-24.200703734686	VS	70	1
-46.761257148033	-24.16510116102	VS	100	1	-46.840372209622	-24.200667308268	VS	100	1
-46.763154105486	-24.160747591066	VS	100	1	-46.76483785878	-24.173848353197	VS	100	1
-46.760959657423	-24.164951046463	VS	100	1	-46.764765836838	-24.173827822383	VS	100	1
-46.776820778987	-24.156762934098	VS	70	1	-46.76518599558	-24.173628537642	VS	100	1
-46.777428195847	-24.156325420317	VS	70	1	-46.765505054996	-24.173411933269	VS	100	1
-46.777735165679	-24.156099179561	VS	70	1	-46.765794389378	-24.173204761057	VS	100	1
-46.778015089924	-24.155900813223	VS	70	1	-46.766074159119	-24.17300657217	VS	100	1
-46.778319948145	-24.155684033097	VS	70	1	-46.76634473711	-24.172817088544	VS	100	1
-46.778584566698	-24.155495077407	VS	70	1	-46.764477568174	-24.173669430944	VS	100	1
-46.778891070517	-24.15527033557	VS	70	1	-46.768774835944	-24.174699577183	VS	100	1
-46.779173550216	-24.155080196718	VS	70	1	-46.76673884104	-24.171303320477	VS	100	1
-46.778151084253	-24.155689946036	VS	70	1	-46.76420679976	-24.171779569278	VS	100	1
-46.777913072342	-24.155415158581	VS	70	1	-46.763891085213	-24.171991386784	VS	100	1
-46.777644364659	-24.15546000995	VS	70	1	-46.763890388335	-24.172064781272	VS	100	1
-46.777606366693	-24.155069739935	VS	70	1	-46.839871773991	-24.201281191611	VS	70	1
-46.777955729636	-24.155241355301	VS	70	1	-46.843124157089	-24.200155829227	VS	100	1
-46.77801942924	-24.15520257738	VS	70	1	-46.842766197277	-24.199971231996	VS	100	1
-46.778332768341	-24.154984805975	VS	70	1	-46.839077773245	-24.203315298762	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.778637527022	-24.154762603699	VS	70	1	-46.838958902771	-24.203019869635	VS	70	1
-46.778943698291	-24.154540439835	VS	70	1	-46.838738227498	-24.203138750973	VS	100	1
-46.831039810585	-24.192927111649	VS	100	1	-46.837577147004	-24.203288240704	VS	70	1
-46.822627652968	-24.185813549969	VS	100	1	-46.763691614689	-24.171432108231	VS	100	1
-46.827517069597	-24.188477993922	VS	70	1	-46.763430502893	-24.17160693868	VS	100	1
-46.830800098246	-24.193324598944	VS	100	1	-46.763173139748	-24.170680764535	VS	100	1
-46.832344627087	-24.193003991148	VS	100	1	-46.7627899336	-24.17057170352	VS	100	1
-46.832209096362	-24.193237879737	VS	100	1	-46.762558338842	-24.171350477762	VS	100	1
-46.829772220641	-24.195051543137	VS	100	1	-46.762468396324	-24.170230404053	VS	100	1
-46.829309028804	-24.195795708993	VS	100	1	-46.762427468372	-24.171638308385	VS	100	1
-46.839696610449	-24.197204075857	VS	100	1	-46.766309927578	-24.171021051333	VS	100	1
-46.839744573443	-24.19733879954	VS	100	1	-46.76566763128	-24.17074309715	VS	100	1
-46.839451668966	-24.197813991552	VS	100	1	-46.765387861651	-24.170950355478	VS	100	1
-46.839300847599	-24.198073931486	VS	100	1	-46.764723773583	-24.170678607184	VS	100	1
-46.839140414336	-24.198342876889	VS	100	1	-46.764277660744	-24.173556646291	VS	100	1
-46.838803185833	-24.198887820801	VS	100	1	-46.764215946372	-24.171245731548	VS	100	1
-46.846983115502	-24.202714419911	VS	70	1	-46.838392089028	-24.202972715275	VS	100	1
-46.845684398869	-24.204197677546	VS	100	1	-46.76419573702	-24.172526527141	VS	100	1
-46.845451796049	-24.204085158345	VS	100	1	-46.764169899169	-24.17308872319	VS	100	1
-46.845103213885	-24.203911027626	VS	100	1	-46.764161560919	-24.17353861218	VS	100	1
-46.83220031719	-24.204370333353	VS	70	1	-46.763944771306	-24.172706806537	VS	100	1
-46.837873956264	-24.200456659138	VS	70	1	-46.763891185292	-24.173290561851	VS	100	1
-46.832315213612	-24.199269011708	VS	70	1	-46.763863438636	-24.173351050602	VS	100	1
-46.832126401384	-24.199582773742	VS	70	1	-46.763683584599	-24.171949938034	VS	100	1
-46.831937464423	-24.199896712336	VS	70	1	-46.763605550693	-24.169988122074	VS	100	1
-46.831786836505	-24.200165565025	VS	70	1	-46.763408192139	-24.172329871997	VS	100	1
-46.832828333397	-24.200444045335	VS	100	1	-46.763395639799	-24.171791725437	VS	100	1
-46.832262049794	-24.201394325348	VS	70	1	-46.763335383426	-24.170186384626	VS	100	1
-46.873173151783	-24.203036397654	VS	100	1	-46.843471978184	-24.200331511174	VS	70	1
-46.872951479603	-24.202769114839	VS	100	1	-46.84379984804	-24.200489570636	VS	70	1
-46.874441436189	-24.203414842545	VS	100	1	-46.844108074027	-24.200647778002	VS	70	1
-46.874221830132	-24.203179715711	VS	100	1	-46.844465682063	-24.200823355679	VS	70	1
-46.874002475625	-24.202885898636	VS	100	1	-46.843834361456	-24.20186967386	VS	70	2
-46.873743824941	-24.202628235066	VS	100	1	-46.844439687663	-24.202179897072	VS	70	1
-46.873520721028	-24.20235563959	VS	100	1	-46.844787729068	-24.202346900188	VS	70	1
-46.875583083885	-24.202633181055	VS	100	1	-46.878448319756	-24.2101596175	VS	70	1
-46.875357204639	-24.202350792915	VS	100	1	-46.878680912694	-24.210434367789	VS	70	1
-46.87510259639	-24.202071646781	VS	100	1	-46.763251887037	-24.171053613458	VS	100	1
-46.874868703831	-24.201816513837	VS	100	1	-46.763189186905	-24.171787260065	VS	100	1
-46.874630759258	-24.201517865709	VS	100	1	-46.763098880483	-24.17254976338	VS	100	1
-46.874101418306	-24.201941020886	VS	100	1	-46.763086809964	-24.171624113881	VS	100	1
-46.874325504506	-24.202215797133	VS	100	1	-46.762954513861	-24.17057256064	VS	100	1
-46.874549071035	-24.202480803291	VS	100	1	-46.762957569203	-24.171949459142	VS	100	1
-46.874791042496	-24.202764656779	VS	100	1	-46.762919734438	-24.171286780173	VS	100	1
-46.875023656178	-24.203030836492	VS	100	1	-46.76279881671	-24.171483461294	VS	100	1
-46.876763845287	-24.201785821026	VS	100	1	-46.762685483628	-24.171464141932	VS	100	1
-46.876542232294	-24.201513450208	VS	100	1	-46.762677577395	-24.172147780062	VS	100	1
-46.876292978542	-24.20124106016	VS	100	1	-46.762505041921	-24.170772385378	VS	100	1
-46.876066597549	-24.200976385843	VS	100	1	-46.781032458134	-24.141548395331	VS	100	1
-46.875833904663	-24.200692858121	VS	100	1	-46.779599324852	-24.141448754786	VS	70	1
-46.847349824971	-24.209852752447	VS	100	1	-46.77983537918	-24.141881420547	VS	70	1
-46.779252634316	-24.154319623056	VS	70	1	-46.798900607981	-24.157885688728	VS	70	1
-46.779562460064	-24.154104879722	VS	70	1	-46.896076492389	-24.235566831634	VS	70	1
-46.779733091089	-24.154674604157	VS	70	1	-46.895797518957	-24.235756723405	VS	70	1
-46.839014727758	-24.163796057304	VS	100	1	-46.896109851699	-24.234337486326	VS	100	1
-46.838601760955	-24.168195109187	VS	100	1	-46.784650694814	-24.176545693458	VS	100	1
-46.838844499117	-24.167972173633	VS	100	1	-46.784359580733	-24.17640610068	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.834654631345	-24.162509279296	VS	100	1	-46.784064064756	-24.176246496777	VS	100	1
-46.830313855898	-24.163884304296	VS	100	1	-46.784521941999	-24.17527647126	VS	100	1
-46.908173628378	-24.243665615103	VS	100	1	-46.780290540347	-24.175011599927	VS	250	1
-46.907941520661	-24.243379062819	VS	100	1	-46.780573789264	-24.175144174844	VS	250	1
-46.908382131349	-24.241483945863	VS	100	1	-46.782947803392	-24.176296825464	VS	100	1
-46.743191389151	-24.160485380856	VS	100	1	-46.78274577273	-24.176434415968	VS	100	1
-46.743504259784	-24.160654781061	VS	100	1	-46.78253351792	-24.176587626608	VS	100	1
-46.743887232337	-24.160855160638	VS	100	1	-46.782163840253	-24.17591809077	VS	250	1
-46.744225059418	-24.161031171172	VS	100	1	-46.780817815501	-24.175240122213	VS	250	1
-46.743048711331	-24.15848453893	VS	100	1	-46.784256742421	-24.177025302322	VS	100	1
-46.743297608602	-24.158625627426	VS	100	1	-46.783277328074	-24.167112224629	VS	70	1
-46.743566126092	-24.158775368807	VS	100	1	-46.784383800811	-24.168124524652	VS	70	1
-46.743834643961	-24.158925118805	VS	100	1	-46.784169445637	-24.167873397384	VS	70	1
-46.744142835929	-24.159092421254	VS	100	1	-46.788877848837	-24.167366235002	VS	70	1
-46.744410813271	-24.159233040663	VS	100	1	-46.789261766971	-24.167592771678	VS	70	1
-46.830401408649	-24.165593764706	VS	100	1	-46.789453992563	-24.167832245486	VS	70	1
-46.831597947258	-24.164100160019	VS	100	1	-46.789704060109	-24.168119263055	VS	70	1
-46.831856333664	-24.16430812963	VS	100	1	-46.784498393049	-24.177153932818	VS	100	1
-46.832074338163	-24.164498692494	VS	100	1	-46.729698469242	-24.152655688668	VS	100	1
-46.832290839569	-24.164678079074	VS	100	1	-46.727706556848	-24.152392237115	VS	100	1
-46.832333623329	-24.164443009803	VS	100	1	-46.729380465578	-24.152500012718	VS	100	1
-46.832077417498	-24.16468083011	VS	100	1	-46.864266381693	-24.212795468578	VS	100	1
-46.82296633735	-24.153569255485	VS	100	1	-46.864468807302	-24.213043648753	VS	100	1
-46.875254424021	-24.201098744743	VS	100	1	-46.864246148297	-24.213495982995	VS	100	1
-46.875496966252	-24.20138226085	VS	100	1	-46.863985555998	-24.21368546876	VS	100	1
-46.875721730213	-24.201636694545	VS	100	1	-46.863699793688	-24.213886260993	VS	100	1
-46.875949811785	-24.201952619801	VS	100	1	-46.862819834111	-24.212459002536	VS	70	1
-46.87616210991	-24.202226668404	VS	100	1	-46.862536328529	-24.212665750753	VS	70	1
-46.828273014828	-24.193258816984	VS	70	1	-46.864658642973	-24.214106896427	VS	70	1
-46.854937164759	-24.22063405265	VS	100	1	-46.85875016392	-24.213771306023	VS	70	1
-46.86152092163	-24.22294114188	VS	100	1	-46.858400072242	-24.21346627077	VS	70	1
-46.861288769711	-24.215595865261	VS	100	1	-46.858005142732	-24.213027086428	VS	70	1
-46.777966674158	-24.149328936301	VS	70	1	-46.852096841854	-24.21333567434	VS	70	1
-46.770266612792	-24.176348206961	VS	100	1	-46.853702259426	-24.215166905374	VS	100	1
-46.770148413981	-24.176435890098	VS	100	1	-46.854010543284	-24.215325099107	VS	70	1
-46.778028716913	-24.179610770068	VS	250	1	-46.855348750904	-24.215288732922	VS	70	1
-46.819695590905	-24.197102997619	VS	100	1	-46.85452518167	-24.218300890059	VS	70	1
-46.819598073426	-24.194382363777	VS	70	1	-46.854322386439	-24.218449051182	VS	70	1
-46.812592862443	-24.199604392127	VS	100	1	-46.853327919495	-24.219152840435	VS	70	1
-46.82614003526	-24.172720713884	VS	70	1	-46.854785412599	-24.218295200696	VS	70	1
-46.826201617509	-24.172891985356	VS	70	1	-46.86588019183	-24.217275294508	VS	70	1
-46.825930688532	-24.172989864855	VS	70	1	-46.866126602134	-24.217097709665	VS	70	1
-46.825750050822	-24.173229337363	VS	70	1	-46.838760024797	-24.204454955615	VS	100	1
-46.825531127575	-24.173519385693	VS	70	1	-46.839068381989	-24.204613096032	VS	100	1
-46.825330655368	-24.17376793377	VS	70	1	-46.84010167995	-24.205129487099	VS	100	1
-46.825130880834	-24.174022189755	VS	70	1	-46.84049969138	-24.205325122926	VS	100	1
-46.824931207339	-24.174291414804	VS	70	1	-46.840736542847	-24.205443527033	VS	100	1
-46.825355842377	-24.175986988672	VS	70	1	-46.841058777915	-24.205603107338	VS	100	1
-46.825045295163	-24.175780118642	VS	70	1	-46.841394106437	-24.204467693263	VS	100	1
-46.827017393628	-24.177060693811	VS	70	1	-46.84354367102	-24.199886781603	VS	70	1
-46.827316372489	-24.177245767065	VS	70	1	-46.84339242137	-24.20012888052	VS	70	1
-46.832127741073	-24.179953925755	VS	70	1	-46.840826420964	-24.201768276442	VS	100	1
-46.831944563155	-24.162665672245	VS	70	1	-46.840172018144	-24.201433526233	VS	100	1
-46.832164793184	-24.162842419822	VS	70	1	-46.841960341435	-24.20251589231	VS	100	1
-46.832385023835	-24.163019167159	VS	70	1	-46.838979557909	-24.198593976533	VS	100	1
-46.831673797027	-24.162426898825	VS	70	1	-46.831236875157	-24.19292738119	VS	70	1
-46.831453568414	-24.162250150719	VS	70	1	-46.831555330499	-24.193085782677	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.831774311735	-24.179858215708	VS	70	1	-46.83191245259	-24.193261147279	VS	70	1
-46.834603007226	-24.185845703678	VS	70	1	-46.826520884902	-24.18702224265	VS	100	1
-46.799191386401	-24.158899302328	VS	70	1	-46.825315896136	-24.187505295364	VS	100	1
-46.789907854833	-24.163288091116	VS	70	1	-46.829367429758	-24.186921388581	VS	70	1
-46.7897738017	-24.163396415026	VS	70	1	-46.832168893389	-24.187878628427	VS	70	1
-46.786745562742	-24.170613181417	VS	100	1	-46.83189827342	-24.187622461886	VS	70	1
-46.875606328426	-24.215879047068	VS	100	1	-46.831616960168	-24.187356958912	VS	70	1
-46.879376770085	-24.224821412442	VS	100	1	-46.817743781655	-24.1702254139	VS	70	1
-46.832080004189	-24.190681498653	VS	70	1	-46.817519919025	-24.169982973043	VS	70	1
-46.852377124105	-24.204840588986	VS	70	1	-46.817067049328	-24.169505540732	VS	70	1
-46.772158969749	-24.176599818259	VS	100	1	-46.817949085601	-24.170435806767	VS	70	1
-46.753302752203	-24.160336104249	VS	100	1	-46.821149677886	-24.175634728097	VS	70	1
-46.753341210986	-24.160426574456	VS	100	1	-46.815954890826	-24.184515351767	VS	100	1
-46.753072031369	-24.16028622449	VS	100	1	-46.815679021838	-24.184798045208	VS	70	1
-46.752695169626	-24.160083314516	VS	100	1	-46.815392327705	-24.18518278966	VS	70	1
-46.752047202098	-24.160264474915	VS	100	1	-46.817347110721	-24.182963472721	VS	250	1
-46.752181342955	-24.160421128439	VS	100	1	-46.817033941679	-24.182783011812	VS	250	1
-46.752432512595	-24.160550744991	VS	100	1	-46.815480009683	-24.17891812437	VS	70	1
-46.752667472009	-24.160678520685	VS	100	1	-46.81456264611	-24.178053640862	VS	70	1
-46.841842261541	-24.160111114884	VS	100	1	-46.814928464487	-24.178187272374	VS	70	1
-46.841677881837	-24.15980902052	VS	100	1	-46.815256623418	-24.178302854571	VS	70	1
-46.841534309204	-24.159525301139	VS	100	1	-46.814395667225	-24.178248085825	VS	70	1
-46.833814235203	-24.154897803024	VS	70	1	-46.814519284503	-24.178515400538	VS	70	1
-46.833535241305	-24.154757743176	VS	70	1	-46.815060636253	-24.178712904214	VS	70	1
-46.83324914852	-24.15460846355	VS	70	1	-46.815260597875	-24.178789799455	VS	70	1
-46.832910732898	-24.154465514985	VS	70	1	-46.894526118823	-24.239379389189	VS	100	1
-46.832591890656	-24.15430385182	VS	70	1	-46.920741323321	-24.224984287935	VS	70	1
-46.832212907251	-24.15411819162	VS	70	1	-46.921007783987	-24.224786613984	VS	70	1
-46.831961685968	-24.153971468844	VS	70	1	-46.921280469856	-24.224585481775	VS	70	1
-46.832027794158	-24.15386388514	VS	70	1	-46.921547569763	-24.224384361408	VS	70	1
-46.831310409823	-24.153664419253	VS	70	1	-46.92180653063	-24.224196402986	VS	70	1
-46.830999655915	-24.153504353972	VS	70	1	-46.814135206528	-24.17838595414	VS	70	1
-46.830570263284	-24.155718687271	VS	70	1	-46.813861992753	-24.178284908783	VS	70	1
-46.830369892743	-24.155924016967	VS	70	1	-46.813590067276	-24.17819497903	VS	70	1
-46.830632374442	-24.155968339341	VS	70	1	-46.813358083455	-24.178009992219	VS	70	1
-46.830875391108	-24.156167394888	VS	70	1	-46.813290479053	-24.178612274191	VS	70	1
-46.757550615043	-24.159772475297	VS	100	1	-46.813661416884	-24.178743218599	VS	70	1
-46.831203182251	-24.162046808792	VS	70	1	-46.814355384083	-24.178984358067	VS	70	1
-46.831970968072	-24.162515140638	VS	70	1	-46.819112207744	-24.199845111113	VS	250	1
-46.832166522187	-24.162332822295	VS	70	1	-46.779877114438	-24.179217089672	VS	250	1
-46.832200290077	-24.162040731752	VS	70	1	-46.77976682042	-24.179174398486	VS	250	1
-46.832484687837	-24.162268877632	VS	70	1	-46.779458892082	-24.179024971701	VS	250	1
-46.832724979336	-24.162463313044	VS	70	1	-46.780124443028	-24.179350221104	VS	250	1
-46.833015635738	-24.162710896837	VS	70	1	-46.7800002703	-24.179392902635	VS	250	1
-46.832411861918	-24.162074507812	VS	70	1	-46.779840145268	-24.179679670015	VS	250	1
-46.925469421385	-24.208854748033	VS	100	1	-46.779670457695	-24.179975367996	VS	250	1
-46.924978446953	-24.209220460695	VS	100	1	-46.779509731088	-24.180235305487	VS	250	1
-46.894173317168	-24.238246935548	VS	100	1	-46.779568260082	-24.180366682441	VS	250	1
-46.89385845309	-24.238472333825	VS	100	1	-46.779806581979	-24.180480911351	VS	250	1
-46.893550678002	-24.238699861473	VS	100	1	-46.779240371069	-24.180199607662	VS	250	1
-46.89338731509	-24.238819306303	VS	100	1	-46.818871694961	-24.188353232325	VS	100	1
-46.893078576077	-24.239035779531	VS	100	1	-46.867773264242	-24.214264958032	VS	70	1
-46.89409154871	-24.238883187198	VS	100	1	-46.79765725605	-24.191587089713	VS	250	1
-46.893859363222	-24.238626351896	VS	100	1	-46.797658578135	-24.191344401985	VS	250	1
-46.893608882592	-24.238348608439	VS	100	1	-46.762656608888	-24.170414340329	VS	100	1
-46.893415262426	-24.238139250084	VS	100	1	-46.857189686626	-24.160335970603	VS	100	1
-46.893550481082	-24.239244680385	VS	100	1	-46.857506686767	-24.160129527094	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.893318249178	-24.238987779931	VS	100	1	-46.85670080787	-24.160683720468	VS	100	1
-46.893135967842	-24.238766140567	VS	100	1	-46.85687859678	-24.160556540369	VS	100	1
-46.892919891811	-24.238537429249	VS	100	1	-46.849621231427	-24.160403084658	VS	100	1
-46.858426498629	-24.222545323747	VS	70	1	-46.855853068144	-24.161296024802	VS	100	1
-46.858679229141	-24.222363859179	VS	70	1	-46.850190149762	-24.160191792521	VS	100	1
-46.858903188403	-24.222180979182	VS	70	1	-46.849872294443	-24.160231566773	VS	100	1
-46.860105360803	-24.221334058452	VS	70	1	-46.85015160457	-24.16002434732	VS	100	1
-46.859826062259	-24.221534872532	VS	70	1	-46.849978613148	-24.159970368847	VS	100	1
-46.859497565886	-24.221760574351	VS	70	1	-46.843488652172	-24.170651064908	VS	100	1
-46.85919815686	-24.221968160515	VS	70	1	-46.843234413007	-24.170443901257	VS	100	1
-46.757411898474	-24.159498829994	VS	100	1	-46.845612039862	-24.169796091765	VS	100	1
-46.75739483104	-24.15992699825	VS	100	1	-46.843756134488	-24.170869598518	VS	100	1
-46.757325592292	-24.160088683295	VS	100	1	-46.843851132867	-24.168813045227	VS	100	1
-46.757026799077	-24.159945170913	VS	100	1	-46.844054582336	-24.1689793033	VS	100	1
-46.756729335455	-24.159771898725	VS	100	1	-46.844012735655	-24.168533563196	VS	100	1
-46.756430666036	-24.159595599284	VS	100	1	-46.84363439994	-24.168617617575	VS	100	1
-46.75611142605	-24.159424820607	VS	100	1	-46.847410955183	-24.169371678547	VS	100	1
-46.757131119258	-24.160100503003	VS	100	1	-46.844031205245	-24.167816386708	VS	100	1
-46.756866653923	-24.160286067034	VS	100	1	-46.846897752697	-24.169082532829	VS	100	1
-46.756772787818	-24.160409236372	VS	100	1	-46.847155052967	-24.169221142676	VS	100	1
-46.756985191563	-24.160525143976	VS	100	1	-46.848074253989	-24.170679755794	VS	100	1
-46.75722413488	-24.160657405635	VS	100	1	-46.848384223344	-24.170904552904	VS	100	1
-46.757462809521	-24.160789488191	VS	100	1	-46.847407023719	-24.164312475669	VS	250	1
-46.756380762098	-24.160809375835	VS	100	1	-46.847967110898	-24.165099906995	VS	250	1
-46.756708811724	-24.160985439506	VS	100	1	-46.846374040967	-24.165240392699	VS	100	1
-46.756313486735	-24.160687279048	VS	100	1	-46.847873626468	-24.16409354475	VS	250	1
-46.756549768812	-24.160474821878	VS	100	1	-46.846020859268	-24.165851011327	VS	100	1
-46.756438193038	-24.160216915916	VS	100	1	-46.846072881615	-24.165467483022	VS	100	1
-46.756129772322	-24.160040722747	VS	100	1	-46.846255134739	-24.164415762593	VS	100	1
-46.75600311915	-24.160606974495	VS	100	1	-46.846248772198	-24.166127814296	VS	100	1
-46.755976463193	-24.160919169547	VS	100	1	-46.84504390104	-24.164908896205	VS	100	1
-46.755664272704	-24.161140256492	VS	100	1	-46.847038434019	-24.163757005488	VS	100	1
-46.755762081243	-24.161113826288	VS	100	1	-46.845134247075	-24.164719523356	VS	100	1
-46.755474116962	-24.160964355807	VS	100	1	-46.844870783218	-24.164916010828	VS	100	1
-46.755195572781	-24.160805798332	VS	100	1	-46.844619375627	-24.164413764089	VS	100	1
-46.756050464417	-24.161272332508	VS	100	1	-46.844823938006	-24.164656796867	VS	100	1
-46.75670327362	-24.161617346048	VS	100	1	-46.72266150499	-24.142527283784	VS	100	1
-46.756991392689	-24.161768171146	VS	100	1	-46.726628074815	-24.141622342064	VS	100	1
-46.756997186883	-24.161143925766	VS	100	1	-46.723901255215	-24.141202387324	VS	100	1
-46.757295458349	-24.161302389756	VS	100	1	-46.722778219785	-24.142613563846	VS	100	1
-46.757814336202	-24.159596274285	VS	100	1	-46.72394745123	-24.141596750148	VS	100	1
-46.872649620856	-24.226147563158	VS	70	1	-46.723688972711	-24.141358073895	VS	100	1
-46.872379235521	-24.226337102458	VS	100	1	-46.721412220215	-24.144497861038	VS	100	1
-46.872204344384	-24.226362954508	VS	100	1	-46.724236558096	-24.14246823011	VS	100	1
-46.872070279895	-24.226553688711	VS	100	1	-46.861039967263	-24.217245125996	VS	70	1
-46.871790514378	-24.226761149031	VS	100	1	-46.861196022623	-24.216398731066	VS	70	1
-46.871529989421	-24.226941514196	VS	100	1	-46.799513095035	-24.16155275374	VS	100	1
-46.872483741	-24.226539247626	VS	100	1	-46.716679987732	-24.141609030481	VS	100	1
-46.872732937233	-24.226688960415	VS	100	1	-46.716965713357	-24.141409495599	VS	100	1
-46.873055621812	-24.226901619059	VS	100	1	-46.71636711814	-24.141832368107	VS	100	1
-46.873275355104	-24.226460768976	VS	100	1	-46.71638032128	-24.141995410014	VS	100	1
-46.873014535547	-24.226643635555	VS	100	1	-46.716118567326	-24.141861179776	VS	100	1
-46.872773538772	-24.226816084968	VS	100	1	-46.717245099543	-24.141201190376	VS	100	1
-46.872503382603	-24.22700548631	VS	100	1	-46.843860059313	-24.207882950653	VS	70	1
-46.872223875169	-24.22720372163	VS	100	1	-46.794366109044	-24.186055056854	VS	250	1
-46.869249901903	-24.224717332159	VS	70	1	-46.794065256368	-24.185789637996	VS	250	1
-46.86896581508	-24.224909756713	VS	70	1	-46.793823088796	-24.185585570484	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.868695438059	-24.225099289349	VS	70	1	-46.793623998907	-24.185400355371	VS	250	1
-46.868425030505	-24.225288829599	VS	70	1	-46.793083778157	-24.184937066039	VS	250	1
-46.868154642117	-24.22547836078	VS	70	1	-46.792533003814	-24.182366320253	VS	250	1
-46.867903466255	-24.22564989411	VS	100	1	-46.792429274373	-24.182271347101	VS	250	1
-46.876161898261	-24.227696189747	VS	100	1	-46.727585521537	-24.127519340234	VS	70	1
-46.864182003242	-24.226185122518	VS	70	1	-46.808108384544	-24.149725424964	VS	70	1
-46.863873098613	-24.226410717266	VS	70	1	-46.811075532865	-24.14778525549	VS	70	1
-46.863563868155	-24.226618395988	VS	70	1	-46.810801268981	-24.147828176805	VS	70	1
-46.863255062318	-24.226843910776	VS	70	1	-46.81537451557	-24.179915167912	VS	70	1
-46.862946043095	-24.227060492856	VS	70	1	-46.816365122331	-24.180485162154	VS	70	1
-46.876422457484	-24.227506719427	VS	100	1	-46.816700487034	-24.180666513314	VS	70	1
-46.734456736829	-24.148442371814	VS	100	1	-46.817070740204	-24.180326679766	VS	70	1
-46.734696654918	-24.148628062339	VS	100	1	-46.816776662018	-24.180150476324	VS	70	1
-46.744754619665	-24.159415906174	VS	100	1	-46.816472782283	-24.179987031083	VS	70	1
-46.745093178678	-24.159597335194	VS	100	1	-46.816213403869	-24.1798404513	VS	70	1
-46.74525533759	-24.159673015609	VS	100	1	-46.815884989654	-24.179646785267	VS	70	1
-46.745551418482	-24.159826985963	VS	100	1	-46.815603786272	-24.179490534543	VS	70	1
-46.745865047853	-24.159999648214	VS	100	1	-46.815336971059	-24.179340620476	VS	70	1
-46.832004636858	-24.154572504373	VS	70	1	-46.789552348199	-24.15663857652	VS	100	1
-46.828392058318	-24.18548373717	VS	70	1	-46.800572427307	-24.161151190703	VS	70	1
-46.828783267118	-24.185555697838	VS	70	1	-46.800990118354	-24.160982552805	VS	70	1
-46.828275193333	-24.185978662484	VS	70	1	-46.816034600544	-24.179229445974	VS	70	1
-46.827979412331	-24.185927411876	VS	70	1	-46.817257963299	-24.179940846658	VS	70	1
-46.827839221844	-24.186412987608	VS	70	1	-46.789436968339	-24.185049123362	VS	250	1
-46.827528960518	-24.186385934849	VS	70	1	-46.887202619576	-24.23491919153	VS	100	1
-46.827256917969	-24.186331276409	VS	70	1	-46.886672068623	-24.235324872827	VS	100	1
-46.817848389248	-24.193620173691	VS	100	1	-46.788826511889	-24.182152090036	VS	250	1
-46.81765693163	-24.194012100825	VS	100	1	-46.789417289948	-24.182365151204	VS	150	1
-46.817506496876	-24.194308440921	VS	100	1	-46.789128436342	-24.182259662715	VS	100	1
-46.817444999114	-24.194439510583	VS	100	1	-46.800173883961	-24.161300421295	VS	70	1
-46.817388113985	-24.192585360448	VS	100	1	-46.728259551015	-24.143006566191	VS	70	1
-46.817082841522	-24.192543094839	VS	100	1	-46.858405199157	-24.209630900134	VS	70	1
-46.818275753075	-24.192513874929	VS	100	1	-46.907549152821	-24.230343627862	VS	70	1
-46.815256511609	-24.193196009797	VS	100	1	-46.907305136911	-24.230082021057	VS	70	1
-46.815375732506	-24.192971843168	VS	100	1	-46.908433423482	-24.231324473307	VS	70	1
-46.815336642968	-24.192755042954	VS	100	1	-46.908211211272	-24.231076429561	VS	70	1
-46.81498878401	-24.192579238421	VS	100	1	-46.896337461406	-24.244195700967	VS	70	1
-46.814713273921	-24.192439296393	VS	100	1	-46.900920678267	-24.232299023427	VS	70	1
-46.815763594252	-24.193498359458	VS	100	1	-46.900670746624	-24.232012235378	VS	70	1
-46.768998191475	-24.169820536009	VS	100	1	-46.900438294296	-24.231746422283	VS	70	1
-46.848559752256	-24.213780124493	VS	70	1	-46.900196007775	-24.231480686259	VS	70	1
-46.848556502998	-24.213849938456	VS	70	1	-46.89999247916	-24.23119666401	VS	70	1
-46.848718358525	-24.21404497832	VS	70	1	-46.899769845064	-24.230930772426	VS	70	1
-46.84892034623	-24.214275393368	VS	70	1	-46.899527561387	-24.230665035705	VS	70	1
-46.849142627069	-24.214532419088	VS	70	1	-46.89928491371	-24.23038156227	VS	70	1
-46.847417500839	-24.214670731366	VS	70	1	-46.866946793215	-24.229512190029	VS	100	1
-46.834127786341	-24.156331360299	VS	100	1	-46.867151682452	-24.229360913585	VS	70	1
-46.925443698394	-24.221364250559	VS	100	1	-46.821973275601	-24.190872416899	VS	100	1
-46.784957601557	-24.181286185331	VS	250	1	-46.870860528934	-24.214945010026	VS	100	1
-46.719046195236	-24.143370223576	VS	100	1	-46.833697206024	-24.206553246892	VS	100	1
-46.718882017925	-24.143287583663	VS	100	1	-46.833080878123	-24.207308247184	VS	100	1
-46.718493137457	-24.143091068653	VS	100	1	-46.831579429795	-24.207522769193	VS	100	1
-46.822217351583	-24.189059225744	VS	100	1	-46.903952101733	-24.228341404665	VS	70	1
-46.820612462213	-24.189901652329	VS	100	1	-46.870102273704	-24.216191351784	VS	70	1
-46.783489939654	-24.160164210669	VS	70	1	-46.86984132703	-24.215961423822	VS	70	1
-46.781596212508	-24.178465267888	VS	100	1	-46.909446788927	-24.245410297895	VS	100	1
-46.83209222641	-24.201681171282	VS	70	1	-46.905865800683	-24.24855135511	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.813488694266	-24.18663239115	VS	100	1	-46.905552017798	-24.248274382097	VS	100	1
-46.779411385446	-24.153488211358	VS	70	1	-46.905260986878	-24.247996957949	VS	100	1
-46.832493512718	-24.180058168615	VS	70	1	-46.905002521093	-24.247751004679	VS	100	1
-46.858155882259	-24.222725921786	VS	70	1	-46.899468222195	-24.235590348969	VS	100	1
-46.848530366715	-24.213666890025	VS	70	1	-46.835952729827	-24.197420651358	VS	100	1
-46.785674198372	-24.17376322121	VS	100	1	-46.835801681671	-24.197671663931	VS	100	1
-46.908329561619	-24.241183402828	VS	100	1	-46.835273027798	-24.198550202103	VS	100	1
-46.909471299802	-24.240285711392	VS	100	1	-46.804703977889	-24.196822836852	VS	100	1
-46.811010354193	-24.188911991819	VS	100	1	-46.804660679393	-24.197096942751	VS	100	1
-46.810089588253	-24.188098990676	VS	70	1	-46.804495702286	-24.196784915131	VS	100	1
-46.800970426937	-24.193205922997	VS	100	1	-46.804456396712	-24.196965086384	VS	100	1
-46.897199168383	-24.233516927426	VS	70	1	-46.804093564087	-24.197094554646	VS	100	1
-46.897720617413	-24.233123149405	VS	70	1	-46.803801294377	-24.197185955962	VS	100	1
-46.901949107876	-24.233513011321	VS	70	1	-46.803331093241	-24.19684458174	VS	100	1
-46.901670597342	-24.233346718027	VS	70	1	-46.803032884997	-24.197106298849	VS	100	1
-46.901411522339	-24.233197124263	VS	70	1	-46.802943855801	-24.196694945773	VS	100	1
-46.901112082709	-24.233012025037	VS	70	1	-46.836297019485	-24.207387607843	VS	100	1
-46.900823207888	-24.232844900845	VS	70	1	-46.806742619694	-24.196121078836	VS	100	1
-46.900499137163	-24.232664762528	VS	70	1	-46.806559881169	-24.195606408974	VS	100	1
-46.901319804902	-24.23304375778	VS	100	1	-46.806571468998	-24.196354362786	VS	100	1
-46.901639546364	-24.232259235906	VS	70	1	-46.806499451042	-24.195057406029	VS	100	1
-46.90139575368	-24.231969530773	VS	70	1	-46.806147672268	-24.195532800111	VS	100	1
-46.901166217804	-24.231683555037	VS	70	1	-46.80612946027	-24.19627191703	VS	100	1
-46.898898815661	-24.231682623767	VS	70	1	-46.806071658846	-24.195306767769	VS	100	1
-46.77847975258	-24.176898360329	VS	100	1	-46.805882150753	-24.195183290823	VS	100	1
-46.78389388776	-24.181607181257	VS	150	1	-46.8058238236	-24.195973142973	VS	100	1
-46.784065152598	-24.18132666785	VS	150	1	-46.805642927813	-24.195033414901	VS	100	1
-46.782929563011	-24.181200027391	VS	150	1	-46.805641008941	-24.195963333216	VS	100	1
-46.78310906598	-24.180904254481	VS	150	1	-46.805624594674	-24.196241670046	VS	100	1
-46.892363091418	-24.245988493529	VS	100	1	-46.805516935512	-24.196897637019	VS	100	1
-46.892159013147	-24.245765911141	VS	100	1	-46.805502215962	-24.197279000001	VS	100	1
-46.891954876329	-24.245543335983	VS	100	1	-46.805410894736	-24.195042678031	VS	100	1
-46.891751635149	-24.245308224831	VS	100	1	-46.805362854547	-24.196613273803	VS	100	1
-46.891534978805	-24.245066781724	VS	100	1	-46.805249565789	-24.195275870563	VS	100	1
-46.891322795779	-24.244827533178	VS	100	1	-46.805209332881	-24.196604875208	VS	100	1
-46.891110856565	-24.244597235393	VS	100	1	-46.80516314256	-24.195681546657	VS	100	1
-46.890928816332	-24.244384534883	VS	100	1	-46.805159424802	-24.196210063686	VS	100	1
-46.890736735789	-24.244162996935	VS	100	1	-46.805132469656	-24.195422007996	VS	100	1
-46.891455442271	-24.243970683521	VS	100	1	-46.804956435425	-24.195845633881	VS	100	1
-46.891662703613	-24.244211890498	VS	100	1	-46.80487081286	-24.195538580879	VS	100	1
-46.891864690154	-24.244441016749	VS	100	1	-46.804862793227	-24.197239504041	VS	100	1
-46.892091875465	-24.244684376058	VS	100	1	-46.804770064646	-24.195704724223	VS	100	1
-46.892281364226	-24.244896708785	VS	100	1	-46.804622525425	-24.195277837555	VS	100	1
-46.892268090105	-24.245101205261	VS	100	1	-46.804478743686	-24.195822768307	VS	100	1
-46.853475054954	-24.212351498836	VS	70	1	-46.804439782277	-24.195029287856	VS	100	1
-46.8537052288	-24.212185745366	VS	70	1	-46.804409623736	-24.196620435534	VS	100	1
-46.853957827605	-24.21202145947	VS	70	1	-46.804217283203	-24.196225058573	VS	100	1
-46.853010914107	-24.212484913348	VS	70	1	-46.804178047519	-24.195976724905	VS	100	1
-46.852789079867	-24.212245775211	VS	70	1	-46.80406286129	-24.195923022911	VS	100	1
-46.852859972796	-24.212000086608	VS	70	1	-46.80391924239	-24.195665354755	VS	100	1
-46.853101099382	-24.211819737952	VS	70	1	-46.803856692801	-24.196104208375	VS	100	1
-46.853146916699	-24.211600927932	VS	70	1	-46.803774978046	-24.195380918609	VS	100	1
-46.853400187683	-24.211603290535	VS	70	1	-46.803666233685	-24.197355867058	VS	100	1
-46.8536797667	-24.211415478016	VS	70	1	-46.803505108047	-24.196241135274	VS	100	1
-46.852904347934	-24.211317297491	VS	70	1	-46.803513785542	-24.197130646453	VS	100	1
-46.852641836733	-24.211024782838	VS	70	1	-46.803348068151	-24.197227088653	VS	100	1
-46.852331187161	-24.21173329031	VS	70	1	-46.803286666444	-24.196628417698	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.852577574615	-24.212015853657	VS	70	1	-46.803189953252	-24.196857863224	VS	100	1
-46.85257249894	-24.212199367048	VS	70	1	-46.803176398829	-24.196248746593	VS	100	1
-46.852060945115	-24.211418789618	VS	70	1	-46.803071839998	-24.195981859239	VS	100	1
-46.852095833316	-24.211229047852	VS	70	1	-46.802977093595	-24.195714890949	VS	100	1
-46.853272712591	-24.211717611569	VS	70	1	-46.802644719631	-24.196490407893	VS	100	1
-46.773766090286	-24.153387214336	VS	100	1	-46.802690691617	-24.197038569896	VS	100	1
-46.77346853262	-24.15322176112	VS	100	1	-46.80249958004	-24.196611272945	VS	100	1
-46.774362941359	-24.153696827315	VS	100	1	-46.802372349069	-24.196797167561	VS	100	1
-46.774064939369	-24.153538548275	VS	100	1	-46.804001198069	-24.195042571408	VS	250	1
-46.772956320167	-24.153564496015	VS	100	1	-46.803758742703	-24.195180570748	VS	250	1
-46.773726382812	-24.15403488009	VS	70	1	-46.803427659635	-24.195321227815	VS	250	1
-46.773445149223	-24.154247004878	VS	70	1	-46.806996950657	-24.196979424617	VS	250	1
-46.773167993729	-24.154441499381	VS	70	1	-46.778364940404	-24.1638435875	VS	70	1
-46.772979887839	-24.154570693828	VS	70	1	-46.782439198772	-24.163362503594	VS	70	1
-46.77292643607	-24.154785324871	VS	70	1	-46.782223817529	-24.163518884349	VS	70	1
-46.773135358816	-24.154901591635	VS	70	1	-46.779214324698	-24.163265244828	VS	70	1
-46.77266903422	-24.154798412412	VS	70	1	-46.778925736005	-24.163457367094	VS	70	1
-46.772359657539	-24.155023619795	VS	70	1	-46.778626639834	-24.163662387395	VS	70	1
-46.772091520542	-24.154955799365	VS	70	1	-46.778081071056	-24.163960070793	VS	70	1
-46.772374432635	-24.15511222104	VS	70	1	-46.777811077007	-24.164158268799	VS	70	1
-46.772186028232	-24.155148788189	VS	70	1	-46.777569519874	-24.164320669095	VS	70	1
-46.773981564049	-24.153851792602	VS	70	1	-46.777289634888	-24.164518988413	VS	70	1
-46.774226221235	-24.153673181929	VS	70	1	-46.777021391582	-24.164705134235	VS	70	1
-46.774483338907	-24.153491220018	VS	70	1	-46.806638112901	-24.196589504272	VS	100	1
-46.771573171638	-24.173760758491	VS	100	1	-46.806378716621	-24.196430643195	VS	100	1
-46.77142057598	-24.173949247064	VS	100	1	-46.78202184406	-24.163663464897	VS	100	1
-46.771229764343	-24.174182626512	VS	100	1	-46.781778125122	-24.163842158241	VS	100	1
-46.771077581004	-24.174388959005	VS	100	1	-46.781529623241	-24.1631858807	VS	100	1
-46.879290573602	-24.230249584807	VS	100	1	-46.781429351387	-24.164092798279	VS	100	1
-46.879667736503	-24.22998205047	VS	100	1	-46.781275978546	-24.163355066197	VS	100	1
-46.879947723034	-24.229783498227	VS	100	1	-46.781168287014	-24.164264329268	VS	100	1
-46.880227709016	-24.229584936337	VS	100	1	-46.781022850338	-24.163561085699	VS	100	1
-46.880565739415	-24.229350222341	VS	100	1	-46.780897730368	-24.164444792751	VS	100	1
-46.880633723492	-24.229333644444	VS	100	1	-46.780746145862	-24.16374387608	VS	100	1
-46.880576907899	-24.229208407866	VS	100	1	-46.780641061365	-24.164879784486	VS	100	1
-46.880243691554	-24.229046114223	VS	100	1	-46.780493667483	-24.163956971823	VS	100	1
-46.879945423128	-24.228896840346	VS	100	1	-46.780213716835	-24.164155340405	VS	100	1
-46.879537565286	-24.228685951967	VS	100	1	-46.780036547152	-24.163449684438	VS	100	1
-46.879239221837	-24.228536620737	VS	100	1	-46.779944212326	-24.164072500349	VS	100	1
-46.879346050182	-24.228620151139	VS	100	1	-46.779785119608	-24.165227322065	VS	100	1
-46.879233619228	-24.22870063106	VS	100	1	-46.77955973695	-24.163628297326	VS	100	1
-46.878924616663	-24.228917257721	VS	100	1	-46.828888796831	-24.203112565163	VS	70	1
-46.878663833727	-24.229097809116	VS	100	1	-46.828650389071	-24.202998411111	VS	70	1
-46.878422466598	-24.229269284026	VS	100	1	-46.828401939425	-24.202875398017	VS	70	1
-46.878132663993	-24.22946791873	VS	100	1	-46.778976025671	-24.165779583267	VS	100	1
-46.877862277422	-24.229657467897	VS	100	1	-46.778698825364	-24.164434293281	VS	100	1
-46.877495243852	-24.229910241819	VS	100	1	-46.778408895327	-24.16462377145	VS	100	1
-46.877354694494	-24.229919872717	VS	100	1	-46.778169543774	-24.165005008718	VS	100	1
-46.878135935259	-24.230298744851	VS	100	1	-46.77796820794	-24.16476547807	VS	100	1
-46.878326403275	-24.230171459279	VS	100	1	-46.782080119332	-24.164308964276	VS	100	1
-46.878561683204	-24.230000991787	VS	100	1	-46.781922251041	-24.163438071844	VS	100	1
-46.878825457663	-24.229818601412	VS	100	1	-46.781820421553	-24.164502577737	VS	100	1
-46.879071001852	-24.229655128557	VS	100	1	-46.781537856343	-24.164692022992	VS	100	1
-46.87938889594	-24.229431141992	VS	100	1	-46.82812361156	-24.202734777137	VS	70	1
-46.87974635368	-24.229187345154	VS	100	1	-46.828730379951	-24.203302796336	VS	70	1
-46.879949303881	-24.229051875036	VS	100	1	-46.828571580085	-24.203554208809	VS	70	1
-46.880016950388	-24.229006724173	VS	100	1	-46.828423722702	-24.203794389628	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.878551009718	-24.230642022867	VS	100	1	-46.827512560489	-24.203462155644	VS	100	1
-46.878261856787	-24.23046586227	VS	100	1	-46.827771043211	-24.203594010709	VS	100	1
-46.877748730686	-24.231301769633	VS	100	1	-46.781281468325	-24.164896987675	VS	100	1
-46.878064034061	-24.231083622053	VS	100	1	-46.781020719816	-24.16507737137	VS	100	1
-46.878392470537	-24.230857913453	VS	100	1	-46.780840778826	-24.165129545218	VS	100	1
-46.877563475523	-24.23069497046	VS	100	1	-46.780740756383	-24.165275767427	VS	100	1
-46.877186816299	-24.230956760019	VS	100	1	-46.780627598013	-24.16464309149	VS	100	1
-46.814882930552	-24.188507042685	VS	100	1	-46.780480006403	-24.165456149975	VS	100	1
-46.756289199163	-24.165756447715	VS	100	1	-46.780298015287	-24.163265571616	VS	100	1
-46.756298755529	-24.16554053077	VS	100	1	-46.780357210625	-24.164823441316	VS	100	1
-46.756642397457	-24.165715506812	VS	100	1	-46.780161457589	-24.165681550436	VS	100	1
-46.743529418034	-24.152712060425	VS	70	1	-46.78007705028	-24.165012887053	VS	100	1
-46.772588434728	-24.154602275704	VS	70	1	-46.779934199381	-24.164350673066	VS	100	1
-46.772250563951	-24.154426324831	VS	70	1	-46.77978525369	-24.163631851826	VS	100	1
-46.771906325242	-24.1542495384	VS	70	1	-46.779881502014	-24.165879926789	VS	100	1
-46.782740477211	-24.181504748518	VS	150	1	-46.779752823041	-24.163859988105	VS	100	1
-46.782587857368	-24.181767213384	VS	150	1	-46.779653635697	-24.164543136168	VS	100	1
-46.892757550071	-24.246448994111	VS	100	1	-46.779640210823	-24.16605121815	VS	100	1
-46.892970083047	-24.24670595911	VS	100	1	-46.77953013937	-24.163851553396	VS	100	1
-46.893087325802	-24.245791228338	VS	100	1	-46.779526395714	-24.165391801185	VS	100	1
-46.893237601014	-24.245791945988	VS	100	1	-46.779369092746	-24.163407817469	VS	70	1
-46.893491827605	-24.245618064396	VS	100	1	-46.779432334755	-24.166485548883	VS	100	1
-46.89289737446	-24.245588612678	VS	100	1	-46.779369855915	-24.166240591335	VS	100	1
-46.892693163647	-24.245351790296	VS	100	1	-46.779256189183	-24.165590140031	VS	100	1
-46.892497959381	-24.24513612057	VS	100	1	-46.77919006526	-24.166201897853	VS	100	1
-46.892537992323	-24.244905270944	VS	100	1	-46.779080058653	-24.166439053749	VS	100	1
-46.892787104856	-24.244721586446	VS	100	1	-46.779020527373	-24.164207991506	VS	100	1
-46.893315059384	-24.246055294051	VS	100	1	-46.778978036859	-24.165953642068	VS	100	1
-46.891242746539	-24.243734585987	VS	100	1	-46.778780759385	-24.166646430061	VS	100	1
-46.891074888368	-24.243542322053	VS	100	1	-46.778686526525	-24.165986915677	VS	100	1
-46.89052479897	-24.243932689595	VS	100	1	-46.778396799559	-24.166185324586	VS	100	1
-46.890339437409	-24.243705914117	VS	100	1	-46.786102082719	-24.174740986904	VS	100	1
-46.884395225183	-24.205749989382	VS	100	1	-46.786841869437	-24.174136527693	VS	100	1
-46.891999537706	-24.245297644366	VS	100	1	-46.786806984584	-24.174244950383	VS	100	1
-46.87687780484	-24.231173381261	VS	100	1	-46.786756769224	-24.173860571169	VS	100	1
-46.876746324643	-24.231191083741	VS	100	1	-46.786673208427	-24.173603256747	VS	100	1
-46.876996248295	-24.231350079566	VS	100	1	-46.786584975233	-24.174407256043	VS	100	1
-46.876408318121	-24.23098043188	VS	100	1	-46.786566798941	-24.173308309245	VS	100	1
-46.876098936777	-24.230786479128	VS	100	1	-46.786372439833	-24.174551602714	VS	100	1
-46.876266601852	-24.230777549225	VS	100	1	-46.785993206266	-24.175195125621	VS	100	1
-46.87656309361	-24.230569245304	VS	100	1	-46.785880101723	-24.174903274084	VS	100	1
-46.725332697377	-24.151440777374	VS	100	1	-46.785628947824	-24.175074670533	VS	100	1
-46.725611725695	-24.151599721714	VS	100	1	-46.77812889969	-24.164822179477	VS	100	1
-46.725007308556	-24.151697650865	VS	100	1	-46.778121855816	-24.166574509141	VS	100	1
-46.725584607033	-24.151753654143	VS	100	1	-46.778087837066	-24.16640175378	VS	100	1
-46.731090250954	-24.151064313335	VS	100	1	-46.778040819818	-24.165661532774	VS	100	1
-46.730180189359	-24.15126411786	VS	100	1	-46.777868288201	-24.165002470904	VS	100	1
-46.729845571098	-24.15109023532	VS	100	1	-46.777808048193	-24.16660000416	VS	100	1
-46.72946595015	-24.150891722781	VS	100	1	-46.777674490796	-24.164420453463	VS	100	1
-46.729164225818	-24.150735313244	VS	100	1	-46.777784418951	-24.166416438556	VS	100	1
-46.728959695328	-24.150621548167	VS	100	1	-46.777770483263	-24.165850912457	VS	100	1
-46.728726113244	-24.150499215093	VS	100	1	-46.777578639339	-24.165209887203	VS	100	1
-46.728421547182	-24.150339983938	VS	100	1	-46.785490314529	-24.175511404855	VS	100	1
-46.72809228758	-24.150155808575	VS	100	1	-46.777466211332	-24.166249190673	VS	100	1
-46.729450457113	-24.149450513491	VS	100	1	-46.777298474773	-24.165399327123	VS	100	1
-46.729822207542	-24.150677381631	VS	100	1	-46.777174663542	-24.166104328251	VS	100	1
-46.729609664984	-24.150821645772	VS	100	1	-46.777008697292	-24.16559776795	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.785367089625	-24.173605418087	VS	100	1	-46.781738843265	-24.163170750951	VS	100	1
-46.785068241084	-24.173455542576	VS	100	1	-46.77817546783	-24.167864780255	VS	100	1
-46.785652325744	-24.173679778978	VS	100	1	-46.779614077724	-24.166698335439	VS	100	1
-46.785893666675	-24.173508453124	VS	100	1	-46.779543248498	-24.166926290706	VS	100	1
-46.785313850319	-24.173905520824	VS	100	1	-46.779085337139	-24.167049202493	VS	100	1
-46.785043563974	-24.17409485097	VS	100	1	-46.778757648875	-24.16689103442	VS	100	1
-46.784783046346	-24.174284144508	VS	100	1	-46.779132659849	-24.167208316197	VS	100	1
-46.784671895997	-24.174454222995	VS	100	1	-46.778992764367	-24.167305080275	VS	100	1
-46.784541870047	-24.17446441643	VS	100	1	-46.778722238009	-24.167485521595	VS	100	1
-46.713768248507	-24.143011774536	VS	100	1	-46.778432487081	-24.167683947554	VS	100	1
-46.729791660762	-24.142638810277	VS	100	1	-46.777998519957	-24.168081885098	VS	100	1
-46.909131977038	-24.243056508388	VS	100	1	-46.777872882571	-24.168080474748	VS	100	1
-46.890866759905	-24.242371434311	VS	100	1	-46.77753451607	-24.168297096541	VS	100	1
-46.827759466811	-24.20280317424	VS	100	1	-46.77772117773	-24.167877345585	VS	100	1
-46.827627390121	-24.203027251658	VS	100	1	-46.777406192884	-24.16772999404	VS	100	1
-46.827476318514	-24.203278252683	VS	100	1	-46.777197873632	-24.167773333946	VS	100	1
-46.827325670073	-24.203528615942	VS	100	1	-46.7769370637	-24.167953743646	VS	100	1
-46.84249324781	-24.213208216651	VS	100	1	-46.77721859795	-24.16699700891	VS	100	1
-46.843726985948	-24.213153857566	VS	70	1	-46.784438359878	-24.167185810441	VS	70	1
-46.849009039871	-24.212056066342	VS	100	1	-46.784333005801	-24.166883228244	VS	70	1
-46.848786873712	-24.212210291526	VS	100	1	-46.784217832658	-24.166580725771	VS	70	1
-46.782495996883	-24.151262383389	VS	100	1	-46.784085216572	-24.166200881108	VS	70	1
-46.780917015348	-24.111870942979	VS	100	1	-46.783948957632	-24.165847856541	VS	70	1
-46.789770843322	-24.180015665867	VS	100	1	-46.783798586325	-24.165468007016	VS	70	1
-46.928542514124	-24.206558098277	VS	100	1	-46.783662936388	-24.165129965338	VS	70	1
-46.762341321186	-24.171228100126	VS	100	1	-46.783548190941	-24.164845307643	VS	70	1
-46.885061543284	-24.205289513322	VS	100	1	-46.783456639085	-24.16671277153	VS	70	1
-46.885370698304	-24.205081778969	VS	100	1	-46.783560975722	-24.167178835324	VS	70	1
-46.884569735377	-24.205549541355	VS	100	1	-46.78324740689	-24.166861001989	VS	70	1
-46.876911951288	-24.230331390004	VS	100	1	-46.783212523372	-24.16741769513	VS	70	1
-46.875742266998	-24.230575635134	VS	100	1	-46.782935349444	-24.167084442459	VS	70	1
-46.81844364872	-24.149858907187	VS	70	1	-46.782807168354	-24.167708657579	VS	70	1
-46.818213221076	-24.149664391038	VS	70	1	-46.782612860761	-24.167299046317	VS	70	1
-46.818168443855	-24.149513144488	VS	70	1	-46.782292086433	-24.167518258814	VS	70	1
-46.817813023028	-24.149621885462	VS	70	1	-46.782271772649	-24.168078789834	VS	70	1
-46.817580394636	-24.149894202106	VS	70	1	-46.78220468024	-24.167872616867	VS	70	1
-46.817341481987	-24.150154606903	VS	70	1	-46.781988931099	-24.167736254638	VS	70	1
-46.817113971223	-24.150368152536	VS	70	1	-46.781959522187	-24.168302276506	VS	70	1
-46.816924728822	-24.150465459345	VS	70	1	-46.781677080542	-24.167960743577	VS	70	1
-46.816638704248	-24.150466621337	VS	70	1	-46.781659046187	-24.168516117247	VS	70	1
-46.815952612238	-24.150356474607	VS	70	1	-46.781368868597	-24.168179445302	VS	70	1
-46.816316604008	-24.150424876694	VS	70	1	-46.784648861805	-24.167782043465	VS	100	1
-46.815587912937	-24.150279054291	VS	70	1	-46.784543497128	-24.167479461024	VS	100	1
-46.815241993774	-24.150219017937	VS	70	1	-46.791900048995	-24.184829001479	VS	250	2
-46.81489501391	-24.150197828629	VS	70	1	-46.791334378764	-24.185677449273	VS	250	1
-46.814523833097	-24.150179066129	VS	70	1	-46.790714268216	-24.185039398712	VS	250	1
-46.814219087699	-24.150013544715	VS	70	1	-46.790931505567	-24.185252121359	VS	150	1
-46.813893779371	-24.1498919426	VS	70	1	-46.786023283636	-24.184978181008	VS	150	1
-46.813599874461	-24.149745651524	VS	70	1	-46.786145583363	-24.184754208501	VS	150	1
-46.848365102893	-24.213655002411	VS	70	1	-46.77263040699	-24.159786118249	VS	100	1
-46.848102250766	-24.213344754354	VS	70	1	-46.918396178207	-24.23359612244	VS	100	1
-46.847838287305	-24.21305000153	VS	70	1	-46.918158893273	-24.233517191476	VS	70	1
-46.847832562715	-24.212833582504	VS	70	1	-46.81715013174	-24.186239850999	VS	70	1
-46.847798353174	-24.212678795803	VS	70	1	-46.725281075719	-24.147312416827	VS	100	1
-46.847410680483	-24.212485513665	VS	70	1	-46.8226655587	-24.182583227689	VS	70	1
-46.847023374951	-24.212301247866	VS	70	1	-46.789778037507	-24.184118719519	VS	250	1
-46.846903993706	-24.212302666661	VS	70	1	-46.789731933907	-24.184243980419	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.846604351556	-24.212510393095	VS	70	1	-46.789649000336	-24.184467413876	VS	250	1
-46.846582979712	-24.212669017309	VS	70	1	-46.789566135398	-24.184700108351	VS	250	1
-46.846805879255	-24.212935520576	VS	70	1	-46.78941081923	-24.1838760699	VS	250	2
-46.847058470412	-24.213228007801	VS	70	1	-46.789188820429	-24.183776623224	VS	250	2
-46.84725339637	-24.21324856902	VS	70	1	-46.789482823113	-24.184915011263	VS	250	1
-46.847533161391	-24.213041155088	VS	70	1	-46.789319999295	-24.183734651049	VS	250	2
-46.847270470282	-24.21346723641	VS	70	1	-46.790935838948	-24.165914707499	VS	70	1
-46.847421855012	-24.213635582973	VS	70	1	-46.790612098381	-24.164796536137	VS	70	1
-46.84759373367	-24.213839471977	VS	70	1	-46.79051864211	-24.164514832708	VS	70	1
-46.84779594034	-24.214078811286	VS	70	1	-46.790315025229	-24.164274288292	VS	70	1
-46.847951319532	-24.214090853413	VS	70	1	-46.789945772787	-24.165162286559	VS	70	1
-46.847735992924	-24.214235318411	VS	70	1	-46.789891745251	-24.163788166203	VS	70	1
-46.848288918936	-24.213838367602	VS	70	1	-46.789684617315	-24.165324842003	VS	70	1
-46.784383128268	-24.174304381732	VS	100	1	-46.789387675182	-24.165530395337	VS	70	1
-46.785019874098	-24.174639007434	VS	100	1	-46.789085900126	-24.165739754223	VS	70	1
-46.785203927013	-24.174790239818	VS	100	1	-46.788795938218	-24.165929297862	VS	70	1
-46.78533960287	-24.174780977628	VS	100	1	-46.788544501828	-24.163629406321	VS	70	1
-46.785483684176	-24.1749434005	VS	100	1	-46.788304923258	-24.166253970962	VS	70	1
-46.785477282145	-24.174582349925	VS	100	1	-46.787890430409	-24.16595656119	VS	70	1
-46.785728317857	-24.174401970681	VS	100	1	-46.78667070117	-24.167372792958	VS	70	1
-46.785998574063	-24.17421265647	VS	100	1	-46.791517906281	-24.165879568541	VS	70	1
-46.786259337391	-24.174032274989	VS	100	1	-46.791558090879	-24.166105127516	VS	70	1
-46.785962228932	-24.173903825538	VS	100	1	-46.791494813579	-24.165516837765	VS	70	1
-46.7864332454	-24.173914988376	VS	100	1	-46.791442806812	-24.164142925266	VS	70	1
-46.786631310978	-24.173768338672	VS	100	1	-46.791430095378	-24.16484793401	VS	70	1
-46.786144609116	-24.173328133408	VS	100	1	-46.791215033514	-24.165715124726	VS	70	1
-46.875984215314	-24.211582145173	VS	100	1	-46.791162661213	-24.164332393931	VS	70	1
-46.874687779798	-24.217226280146	VS	100	1	-46.791111751472	-24.165082309175	VS	70	1
-46.872057593497	-24.218414993717	VS	70	1	-46.791056183585	-24.165310594874	VS	70	1
-46.857314741371	-24.220238429376	VS	100	1	-46.790915572867	-24.163768279896	VS	70	1
-46.871144284854	-24.214945313301	VS	100	1	-46.790848233367	-24.165061600565	VS	70	1
-46.820524310868	-24.177691134988	VS	70	1	-46.790817791152	-24.164560346418	VS	70	1
-46.820348153455	-24.177649972483	VS	70	1	-46.790793050508	-24.165298795348	VS	70	1
-46.820194747499	-24.177826287697	VS	70	1	-46.790577340604	-24.163685812356	VS	70	1
-46.899283960592	-24.237127734849	VS	100	1	-46.790486868142	-24.164801332698	VS	70	1
-46.899506387247	-24.237384705089	VS	100	1	-46.790493698946	-24.165506249895	VS	70	1
-46.899759162063	-24.237677144781	VS	100	1	-46.790288386778	-24.163883772187	VS	70	1
-46.90000144776	-24.237942873517	VS	100	1	-46.79035534199	-24.166796921048	VS	70	1
-46.89902187754	-24.236853319964	VS	100	1	-46.79033659291	-24.166337354745	VS	70	1
-46.898749116573	-24.236546751948	VS	100	1	-46.790225922139	-24.164972811644	VS	70	1
-46.898540784924	-24.236310872426	VS	100	1	-46.79018782761	-24.165712621906	VS	70	1
-46.890647729002	-24.242115346666	VS	100	1	-46.790173370824	-24.166575222505	VS	70	1
-46.890432206018	-24.24187525881	VS	100	1	-46.790017787174	-24.166553898994	VS	70	1
-46.890220272966	-24.241644951575	VS	100	1	-46.789914195261	-24.165903178328	VS	70	1
-46.889997908221	-24.241388033707	VS	100	1	-46.789757252853	-24.166743221256	VS	70	1
-46.889772539342	-24.241137409	VS	100	1	-46.789605051842	-24.166110684623	VS	70	1
-46.889573748998	-24.240909755873	VS	100	1	-46.789443188585	-24.166954170156	VS	70	1
-46.889325715883	-24.240630413043	VS	100	1	-46.789317944237	-24.166307259346	VS	70	1
-46.88907244749	-24.240348782332	VS	100	1	-46.789155319063	-24.167163994484	VS	70	1
-46.888907148929	-24.240165512361	VS	100	1	-46.789072529009	-24.167366768761	VS	70	1
-46.888693364705	-24.239940951071	VS	100	1	-46.789013564012	-24.166517483462	VS	70	1
-46.888337983012	-24.239384925192	VS	100	1	-46.788855941389	-24.16713007387	VS	70	1
-46.888569989958	-24.239632908908	VS	100	1	-46.788774413088	-24.166672062424	VS	70	1
-46.888810253545	-24.239764000453	VS	100	1	-46.78865606479	-24.166892335323	VS	70	1
-46.888549282093	-24.239953065391	VS	100	1	-46.788525386509	-24.166109766896	VS	70	1
-46.888273049041	-24.240154339861	VS	100	1	-46.788478099901	-24.166675010317	VS	70	1
-46.887983696723	-24.240361750529	VS	100	1	-46.788464220891	-24.166889544472	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.884211052824	-24.23887759712	VS	100	1	-46.788284022381	-24.163818700962	VS	70	1
-46.886755924311	-24.239801222484	VS	100	1	-46.788276529226	-24.166449990895	VS	70	1
-46.885897603675	-24.239254756532	VS	100	1	-46.788026531582	-24.16612006752	VS	70	1
-46.908435046399	-24.244005117853	VS	100	1	-46.788114932161	-24.163947178066	VS	70	1
-46.892758643888	-24.234275527019	VS	100	1	-46.78798431066	-24.166470695	VS	70	1
-46.871874935442	-24.230719540543	VS	70	1	-46.787804626979	-24.164156632237	VS	70	1
-46.858263879165	-24.221797095022	VS	100	1	-46.787716193705	-24.165741286098	VS	70	1
-46.853480605947	-24.219767143385	VS	100	1	-46.787723783904	-24.166660013656	VS	70	1
-46.823646742184	-24.190189224397	VS	100	1	-46.787502537235	-24.165487018035	VS	70	1
-46.811634263056	-24.18760771816	VS	70	1	-46.787538019116	-24.164344863264	VS	70	1
-46.833106272822	-24.155491633747	VS	100	1	-46.787453229278	-24.166840480346	VS	70	1
-46.750594236682	-24.161465343757	VS	100	1	-46.787295829606	-24.16523721548	VS	70	1
-46.750429586378	-24.161966175084	VS	100	1	-46.787192275448	-24.167011952914	VS	70	1
-46.749578794542	-24.161961615172	VS	100	1	-46.787222225497	-24.164568472215	VS	70	1
-46.751287235884	-24.160641064817	VS	100	1	-46.787098795248	-24.164997182976	VS	70	1
-46.735787842533	-24.155527467316	VS	100	1	-46.786921937085	-24.167201341059	VS	70	1
-46.76084182497	-24.167932538672	VS	100	1	-46.786856038653	-24.16476014067	VS	70	1
-46.747841418719	-24.159986273108	VS	100	1	-46.786390333951	-24.167553337487	VS	70	1
-46.748012591315	-24.160073480822	VS	100	1	-46.786110164266	-24.167742794441	VS	70	1
-46.748142502047	-24.16015190025	VS	100	1	-46.785845459692	-24.16790719129	VS	70	1
-46.748192180413	-24.160372958079	VS	100	1	-46.78556695729	-24.168099091397	VS	70	1
-46.748053944627	-24.160584946757	VS	100	1	-46.785306410796	-24.168275656295	VS	70	1
-46.747965000154	-24.16063828708	VS	100	1	-46.791515740135	-24.185872382658	VS	250	1
-46.748741765745	-24.159335718199	VS	100	1	-46.79185807775	-24.186052690175	VS	250	1
-46.749079221934	-24.159511491471	VS	100	1	-46.792020870527	-24.185193172505	VS	150	1
-46.748788528455	-24.159431677004	VS	100	1	-46.791860376478	-24.185462048137	VS	150	1
-46.74863480904	-24.159665899107	VS	100	1	-46.791700245288	-24.185739597729	VS	150	1
-46.748713876445	-24.159826535192	VS	100	1	-46.791552008758	-24.186019738992	VS	250	1
-46.748366206544	-24.159650602143	VS	100	1	-46.788786076761	-24.16346696025	VS	70	1
-46.748495188332	-24.159897773885	VS	100	1	-46.790681405334	-24.162427974444	VS	70	1
-46.87937872843	-24.214733005918	VS	100	1	-46.791143501558	-24.162984363284	VS	70	1
-46.879974704042	-24.214281058175	VS	100	1	-46.791147584509	-24.163288588004	VS	70	1
-46.887098355991	-24.21026131601	VS	100	1	-46.788883925273	-24.163388993	VS	70	1
-46.888063493009	-24.209575391122	VS	100	1	-46.789022213668	-24.163287566947	VS	70	1
-46.888411071891	-24.209331641264	VS	100	1	-46.789377593068	-24.163049558983	VS	70	1
-46.888739431477	-24.209105899827	VS	100	1	-46.789693431968	-24.162826739325	VS	70	1
-46.889057805576	-24.208880347464	VS	100	1	-46.790007970776	-24.162598293152	VS	70	1
-46.889646377868	-24.208456223119	VS	100	1	-46.790323705838	-24.162380364632	VS	70	1
-46.88995509619	-24.208230632953	VS	100	1	-46.790409563383	-24.162320682332	VS	70	1
-46.748440272413	-24.160301305716	VS	100	1	-46.790623969052	-24.162174530605	VS	70	1
-46.848567697995	-24.212368682313	VS	100	1	-46.790825384612	-24.162008301927	VS	70	1
-46.848372219708	-24.212490852464	VS	100	1	-46.790931763816	-24.162721822218	VS	70	1
-46.849538053606	-24.21049482341	VS	70	1	-46.790721520397	-24.162711863676	VS	70	1
-46.849241387426	-24.210696226717	VS	70	1	-46.790441585584	-24.162910253693	VS	70	1
-46.855826897294	-24.216180202962	VS	100	1	-46.790180673851	-24.163081715913	VS	70	1
-46.855488944809	-24.216013323521	VS	100	1	-46.791020364965	-24.162495675597	VS	70	1
-46.917374347777	-24.229925143624	VS	100	1	-46.791423356814	-24.163105642886	VS	70	1
-46.800820794642	-24.193531250499	VS	100	1	-46.791391915585	-24.163270754808	VS	70	1
-46.80310246956	-24.194510213926	VS	100	1	-46.79149675528	-24.163494007448	VS	70	1
-46.80235812016	-24.195260444259	VS	250	1	-46.790867538165	-24.163487056796	VS	70	1
-46.803208651433	-24.195405985072	VS	250	1	-46.790580009374	-24.185033313828	VS	150	1
-46.802984570847	-24.195479061724	VS	250	1	-46.790419793908	-24.185310976698	VS	250	1
-46.802783059346	-24.195547288063	VS	250	1	-46.790272857198	-24.185551816574	VS	150	1
-46.806489891633	-24.19682312257	VS	250	1	-46.790117217684	-24.185854966942	VS	150	1
-46.80622617856	-24.197011984476	VS	250	1	-46.789948350276	-24.186135644411	VS	250	1
-46.777780380879	-24.179487695997	VS	100	1	-46.789255462672	-24.183904309312	VS	250	2
-46.777502378038	-24.179355909809	VS	100	1	-46.789176183225	-24.184146019349	VS	250	2

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.777234195602	-24.179224062053	VS	100	1	-46.789090492222	-24.184396198019	VS	250	2
-46.776683647995	-24.179412639877	VS	100	1	-46.788979482577	-24.184663743594	VS	250	2
-46.776849043737	-24.17977369111	VS	100	1	-46.788933515698	-24.184521203524	VS	250	1
-46.777179444242	-24.179972052587	VS	100	1	-46.788887244156	-24.18490498657	VS	250	2
-46.776145049563	-24.179750819619	VS	100	1	-46.788766866876	-24.185218568624	VS	150	1
-46.775884952557	-24.179840799101	VS	100	1	-46.788706065806	-24.184451519534	VS	250	1
-46.775794021352	-24.179822209456	VS	100	1	-46.788664410434	-24.185451315233	VS	250	1
-46.775519369986	-24.179641602787	VS	100	1	-46.788635921087	-24.185280895163	VS	150	1
-46.89026394375	-24.208004964379	VS	100	1	-46.788590347117	-24.185639236756	VS	250	1
-46.889271415533	-24.211478055823	VS	100	1	-46.788497285784	-24.185854049373	VS	150	1
-46.881306297947	-24.214368275086	VS	100	1	-46.788476144637	-24.185545972597	VS	150	1
-46.881634752247	-24.21414250938	VS	100	1	-46.788334447359	-24.185809377363	VS	150	1
-46.8819434975	-24.213916939385	VS	100	1	-46.788193151424	-24.186060261126	VS	250	1
-46.882252341953	-24.213691308209	VS	100	1	-46.788097544756	-24.186076034091	VS	150	1
-46.882851055674	-24.21327601948	VS	100	1	-46.790616965713	-24.183371068532	VS	250	1
-46.88317918011	-24.213041395714	VS	100	1	-46.790356045081	-24.183551559856	VS	250	1
-46.883497509727	-24.212806830532	VS	100	1	-46.790114262127	-24.183705045872	VS	250	1
-46.883777539597	-24.212608213379	VS	100	1	-46.787046555721	-24.185497412233	VS	250	1
-46.884096061417	-24.212382578214	VS	100	1	-46.788725855567	-24.183551139551	VS	250	1
-46.884376213909	-24.21219292545	VS	100	1	-46.788743804072	-24.182548902477	VS	250	1
-46.884974719573	-24.211768703834	VS	100	1	-46.78864029141	-24.182737046155	VS	250	1
-46.885302652516	-24.21152512506	VS	100	1	-46.788074442733	-24.183695846524	VS	250	2
-46.885572977583	-24.211335555397	VS	100	1	-46.78800787278	-24.183812831811	VS	250	2
-46.890782444493	-24.210410889954	VS	100	1	-46.787875963748	-24.184036558357	VS	250	2
-46.891075319554	-24.210199359275	VS	100	1	-46.787772448638	-24.184224692067	VS	250	2
-46.891994014326	-24.209573194085	VS	100	1	-46.786522467329	-24.18411298568	VS	250	1
-46.892312491751	-24.209338494394	VS	100	1	-46.785944842631	-24.185106097036	VS	150	1
-46.893808716187	-24.208282307776	VS	100	1	-46.787569547017	-24.182298980533	VS	250	1
-46.894078523215	-24.208074917112	VS	100	1	-46.787409938984	-24.182585014337	VS	250	1
-46.880917451059	-24.216606706969	VS	100	1	-46.786409334867	-24.184288383168	VS	250	1
-46.881204073488	-24.216433953431	VS	100	1	-46.786277641004	-24.18453026261	VS	250	1
-46.748283380335	-24.160814530461	VS	100	1	-46.773759373953	-24.158974911123	VS	70	1
-46.805954063295	-24.197210666903	VS	250	1	-46.773469825101	-24.159182269075	VS	100	1
-46.809450970985	-24.197163477414	VS	250	1	-46.773137158601	-24.159423311256	VS	100	1
-46.734157692365	-24.156550814914	VS	100	1	-46.772929550089	-24.159569778445	VS	100	1
-46.72626185566	-24.144448203816	VS	100	1	-46.786120823626	-24.185100457851	VS	150	1
-46.725962474433	-24.144655532861	VS	100	1	-46.787779410437	-24.185908875419	VS	150	1
-46.725663713793	-24.144889617983	VS	100	1	-46.787432012914	-24.185750850461	VS	150	1
-46.725345124285	-24.145114915088	VS	100	1	-46.78579297588	-24.184942222623	VS	150	1
-46.725045863561	-24.145331215567	VS	100	1	-46.785485083717	-24.184792833921	VS	150	1
-46.724814333671	-24.145502365142	VS	100	1	-46.784995431943	-24.184531772259	VS	150	1
-46.724544203084	-24.145700324354	VS	100	1	-46.784084526811	-24.184107304807	VS	150	1
-46.724293640942	-24.145898615803	VS	100	1	-46.783766973004	-24.183958069115	VS	150	1
-46.724072256748	-24.146065081324	VS	100	1	-46.783409380617	-24.183782272069	VS	150	1
-46.724275574237	-24.146133822414	VS	100	1	-46.787064931314	-24.185566512819	VS	150	1
-46.724627118194	-24.146294162236	VS	100	1	-46.787253032203	-24.185654052168	VS	250	1
-46.724993244896	-24.146131910701	VS	100	1	-46.786786290046	-24.185425617674	VS	250	1
-46.725053743036	-24.146089505474	VS	100	1	-46.786448735602	-24.185267520652	VS	150	1
-46.725227449661	-24.145963369309	VS	100	1	-46.791590743027	-24.187203627558	VS	250	1
-46.725497607449	-24.145765175189	VS	100	1	-46.791227972695	-24.187224175666	VS	250	1
-46.725758180715	-24.14557597031	VS	100	1	-46.791867796172	-24.18718351201	VS	250	1
-46.726018519971	-24.145377842199	VS	100	1	-46.790835553323	-24.187145369269	VS	250	1
-46.7262790721	-24.145188635652	VS	100	1	-46.790559770367	-24.18708529564	VS	250	1
-46.722772665207	-24.144755797778	VS	100	1	-46.790263214902	-24.186989818912	VS	250	1
-46.733518897759	-24.149466137128	VS	100	1	-46.789983371038	-24.186883489211	VS	250	1
-46.740220349875	-24.152922311996	VS	100	1	-46.789289227695	-24.186629485086	VS	250	1
-46.73878530872	-24.15492168995	VS	100	1	-46.788971790988	-24.186489133759	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.738655214745	-24.154706621253	VS	100	1	-46.788653949276	-24.186330937448	VS	250	1
-46.738477130096	-24.15476663974	VS	100	1	-46.788406004023	-24.186225713315	VS	250	1
-46.738887646564	-24.154527046206	VS	100	1	-46.791191371233	-24.186635739821	VS	150	1
-46.838788340489	-24.20805951761	VS	70	1	-46.791059266379	-24.186859788551	VS	250	1
-46.838633006914	-24.208224355793	VS	70	1	-46.791314519263	-24.186410280159	VS	250	1
-46.838501202597	-24.208457314422	VS	70	1	-46.790904896009	-24.187136279109	VS	250	1
-46.838359533467	-24.208690408643	VS	70	1	-46.789787714824	-24.186395497532	VS	250	1
-46.838495190418	-24.208927386499	VS	70	1	-46.789625462795	-24.186679684328	VS	250	1
-46.838186954877	-24.208769166088	VS	70	1	-46.791863929462	-24.182145786469	VS	250	1
-46.764277343063	-24.166669307171	VS	100	1	-46.790180235453	-24.182136322117	VS	150	1
-46.792159661183	-24.186737782289	VS	250	1	-46.789839497248	-24.182254848285	VS	150	1
-46.837948305824	-24.208646101153	VS	70	1	-46.791590548527	-24.182081400575	VS	150	1
-46.837709868593	-24.208531949624	VS	70	1	-46.791320370227	-24.182010782715	VS	150	1
-46.837421703292	-24.208391416844	VS	70	1	-46.791080079905	-24.181995761879	VS	150	1
-46.837440703909	-24.208205663713	VS	70	1	-46.790777704311	-24.181981115218	VS	150	1
-46.83757257558	-24.207981859403	VS	70	1	-46.790481730451	-24.182018089082	VS	150	1
-46.837714390157	-24.207748535542	VS	70	1	-46.790272653594	-24.180515776472	VS	250	1
-46.837261281903	-24.20851074496	VS	70	1	-46.79023955196	-24.180774776847	VS	250	1
-46.837100941925	-24.208779508371	VS	70	1	-46.790166214344	-24.180938710795	VS	250	1
-46.838230137333	-24.208936938995	VS	70	1	-46.789856792606	-24.181137316219	VS	250	1
-46.83815343504	-24.209233823844	VS	70	1	-46.789637025636	-24.182488832209	VS	150	1
-46.837812057752	-24.207571066338	VS	70	1	-46.789605957462	-24.181317571749	VS	250	1
-46.83812845623	-24.207734812045	VS	70	1	-46.789533015774	-24.18237405991	VS	150	1
-46.83127123673	-24.184096483027	VS	70	1	-46.867512928516	-24.22156294019	VS	70	1
-46.843534319599	-24.208426072397	VS	100	1	-46.867802267964	-24.221365674503	VS	70	1
-46.869786329603	-24.224323242362	VS	70	1	-46.868405227251	-24.22097512811	VS	70	1
-46.870931830845	-24.224497282216	VS	100	1	-46.86778832356	-24.222093383916	VS	70	1
-46.870654701793	-24.224683497657	VS	100	1	-46.869109706853	-24.221105733353	VS	70	1
-46.870337473256	-24.224914886041	VS	100	1	-46.871212405643	-24.220376728148	VS	70	1
-46.852212210968	-24.205784897919	VS	70	1	-46.870951633299	-24.220557267305	VS	70	1
-46.71729451794	-24.137882485185	VS	100	1	-46.878697042811	-24.230660553688	VS	100	1
-46.871189790438	-24.224318570057	VS	100	1	-46.753338614391	-24.157948734473	VS	100	1
-46.870900236587	-24.224172032857	VS	100	1	-46.753379483845	-24.159221574377	VS	100	1
-46.870611991737	-24.224031562686	VS	100	1	-46.753287316456	-24.158553254285	VS	100	1
-46.870373354731	-24.223908570062	VS	100	1	-46.753268883861	-24.158338459757	VS	100	1
-46.87009555532	-24.224115558067	VS	100	1	-46.753186983991	-24.156662104777	VS	100	1
-46.870035174606	-24.223732822702	VS	100	1	-46.753049919685	-24.157794326632	VS	100	1
-46.869687026661	-24.223557056294	VS	100	1	-46.752950938247	-24.157143405823	VS	100	1
-46.86965994667	-24.223670052902	VS	100	1	-46.753022071039	-24.159647173696	VS	100	1
-46.869428415398	-24.223841437935	VS	100	1	-46.75296927954	-24.15838702003	VS	100	1
-46.869177234666	-24.224012973799	VS	100	1	-46.752926151175	-24.156531030704	VS	100	1
-46.868883420022	-24.22424604122	VS	100	1	-46.752813314097	-24.159036646132	VS	100	1
-46.869551936682	-24.224498868549	VS	70	1	-46.752751795782	-24.157633903472	VS	100	1
-46.780625417375	-24.182417603665	VS	100	1	-46.863839517333	-24.212457620004	VS	70	1
-46.780361408767	-24.182280475735	VS	100	1	-46.847781129771	-24.215087274983	VS	70	1
-46.780104211412	-24.182149612851	VS	100	1	-46.800168984917	-24.190783565085	VS	100	1
-46.772349173965	-24.176462356488	VS	100	1	-46.847614669183	-24.214886626522	VS	70	1
-46.792848204305	-24.184728338098	VS	250	1	-46.816820206119	-24.195671342832	VS	100	1
-46.792566953435	-24.186948717211	VS	250	1	-46.800029897051	-24.190542455606	VS	100	1
-46.792604574023	-24.18665475155	VS	250	1	-46.833280541206	-24.209160088252	VS	100	1
-46.781862467735	-24.180193900584	VS	250	1	-46.836111189228	-24.206970483265	VS	100	1
-46.781590734253	-24.180061934416	VS	250	1	-46.836155531153	-24.207202509989	VS	100	1
-46.782054840079	-24.180071686655	VS	250	1	-46.799691313806	-24.190363187338	VS	100	1
-46.782352736906	-24.180212265828	VS	250	1	-46.799381129376	-24.190274896973	VS	100	1
-46.782650586552	-24.180352807113	VS	250	1	-46.752711626405	-24.157209784912	VS	100	1
-46.786916450477	-24.176036237696	VS	100	1	-46.75267867424	-24.158237183096	VS	100	1
-46.786663909495	-24.175324323739	VS	100	1	-46.752710510121	-24.159494200732	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.786854346921	-24.175273435571	VS	100	1	-46.752666636982	-24.159277407505	VS	100	1
-46.787103474781	-24.175187233903	VS	100	1	-46.752529520406	-24.15948463621	VS	100	1
-46.786569216873	-24.17505736076	VS	100	1	-46.752353296139	-24.156838071807	VS	100	1
-46.786478999005	-24.174798374343	VS	100	1	-46.752356182202	-24.157765035783	VS	100	1
-46.821440650605	-24.181566125234	VS	100	1	-46.752396950145	-24.158076432188	VS	100	1
-46.821693780581	-24.181769894477	VS	70	1	-46.752316101841	-24.158644461678	VS	100	1
-46.821174817999	-24.181335112098	VS	100	1	-46.752180937042	-24.158024653782	VS	100	1
-46.789504275576	-24.167551396939	VS	70	1	-46.752094318749	-24.159159759123	VS	100	1
-46.789196939214	-24.167758185499	VS	70	1	-46.752037613041	-24.158496079396	VS	100	1
-46.788949906187	-24.167939638922	VS	70	1	-46.798844302287	-24.190822348379	VS	100	1
-46.784739905038	-24.177280819102	VS	100	1	-46.798841596406	-24.191126747665	VS	100	1
-46.749300897848	-24.164636700563	VS	100	1	-46.798829013359	-24.191420938753	VS	100	1
-46.748935990762	-24.164494211351	VS	100	1	-46.797816281783	-24.189830031397	VS	250	1
-46.743415600625	-24.158157265117	VS	100	1	-46.797801641014	-24.190111101404	VS	250	1
-46.743437045055	-24.158239102503	VS	100	1	-46.75202981531	-24.158275018301	VS	100	1
-46.837341217797	-24.157195793082	VS	100	1	-46.751859427559	-24.158543976076	VS	100	1
-46.837509806634	-24.157032402366	VS	100	1	-46.751808543134	-24.15901687087	VS	100	1
-46.837717865846	-24.156829102554	VS	100	1	-46.751795107275	-24.159613925813	VS	100	1
-46.861434904478	-24.200730746249	VS	70	1	-46.751727820805	-24.158337889122	VS	100	1
-46.842707084888	-24.171640386604	VS	70	1	-46.751691037544	-24.158828829525	VS	100	1
-46.879607463437	-24.225252836378	VS	70	1	-46.75155552311	-24.159034533227	VS	100	1
-46.88106961911	-24.228266469233	VS	70	1	-46.751487304681	-24.158842322152	VS	100	1
-46.881359415003	-24.228067827913	VS	70	1	-46.751473244852	-24.15945016006	VS	100	1
-46.890758867777	-24.238689282046	VS	70	1	-46.751377513617	-24.159292359845	VS	100	1
-46.78101869709	-24.174609793739	VS	70	1	-46.751285431048	-24.159501835241	VS	100	1
-46.781319442596	-24.174759260777	VS	70	1	-46.751178951588	-24.158677472378	VS	100	1
-46.781618362763	-24.174920911038	VS	70	1	-46.751195704649	-24.159309610025	VS	100	1
-46.781936898525	-24.17508406902	VS	70	1	-46.778398871742	-24.150537000263	VS	70	1
-46.782174568365	-24.175216712464	VS	100	1	-46.778599524924	-24.151141555225	VS	70	1
-46.782456822523	-24.175372426961	VS	100	1	-46.778644183613	-24.150512171082	VS	70	1
-46.782671589701	-24.175489433011	VS	100	1	-46.79659427575	-24.190340752062	VS	100	1
-46.782999850262	-24.175674306896	VS	100	1	-46.796568667682	-24.191331154194	VS	100	1
-46.783345131985	-24.175860102466	VS	100	1	-46.795286132228	-24.191483515187	VS	100	1
-46.782168783917	-24.172253751383	VS	70	1	-46.794927289962	-24.190588118897	VS	100	1
-46.782651922734	-24.172483955652	VS	70	1	-46.796627045178	-24.190171285306	VS	100	1
-46.782903738258	-24.172265213691	VS	70	1	-46.751056070247	-24.157998495525	VS	100	1
-46.782526859413	-24.171879764133	VS	70	1	-46.750983113225	-24.158009794005	VS	100	1
-46.78285125228	-24.171997660533	VS	70	1	-46.750878888633	-24.158519551866	VS	100	1
-46.783121287824	-24.172209752618	VS	70	1	-46.750875576967	-24.159133278898	VS	100	1
-46.783391164324	-24.17241296843	VS	70	1	-46.750828223844	-24.158237396031	VS	100	1
-46.783661042004	-24.172616174869	VS	70	1	-46.750689008061	-24.159646644047	VS	100	1
-46.784143388914	-24.172273231405	VS	70	1	-46.750688394786	-24.158454680599	VS	100	1
-46.783883330545	-24.172069955161	VS	70	1	-46.750583530507	-24.158358741926	VS	100	1
-46.783622848024	-24.171848833688	VS	70	1	-46.75056842845	-24.158965594575	VS	100	1
-46.783673056531	-24.171644791714	VS	70	1	-46.750448874296	-24.159521840671	VS	100	1
-46.783441526869	-24.171816043248	VS	70	1	-46.750300144113	-24.158824814546	VS	100	1
-46.783142781232	-24.172050246627	VS	70	1	-46.750285353136	-24.158200305034	VS	100	1
-46.783206467288	-24.173117579935	VS	70	1	-46.750132722355	-24.159357501371	VS	100	1
-46.782805614349	-24.171674615937	VS	70	1	-46.74995930223	-24.159272856783	VS	100	1
-46.783101333241	-24.17145085071	VS	70	1	-46.749643356941	-24.159108251898	VS	70	1
-46.78338571607	-24.171231999939	VS	70	1	-46.749309172159	-24.158936646216	VS	70	1
-46.783910648365	-24.172792764028	VS	70	1	-46.749068490759	-24.158802070912	VS	70	1
-46.784264732653	-24.173005649478	VS	70	1	-46.748749698971	-24.158640414156	VS	70	1
-46.784199176979	-24.172840739334	VS	70	1	-46.75428389963	-24.159700577716	VS	70	1
-46.78440365577	-24.17248542963	VS	70	1	-46.757979941966	-24.169127905295	VS	100	1
-46.784606457241	-24.172539522999	VS	70	1	-46.757836595102	-24.169358729836	VS	100	1
-46.792442108813	-24.164619167116	VS	70	1	-46.75968665817	-24.169645105567	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792666778874	-24.164851635694	VS	70	1	-46.759097194189	-24.170591718232	VS	100	1
-46.823154386409	-24.180592226252	VS	70	1	-46.76147569888	-24.170843551156	VS	100	1
-46.874014384489	-24.228414831321	VS	100	1	-46.903799416667	-24.224899414491	VS	100	1
-46.873769648754	-24.228586675669	VS	100	1	-46.884422122511	-24.240643464345	VS	100	1
-46.873553377239	-24.2287548473	VS	100	1	-46.762195528876	-24.171800713635	VS	100	1
-46.830896932231	-24.206016776876	VS	100	1	-46.755414733543	-24.16871006987	VS	100	1
-46.830746523481	-24.2062945413	VS	100	1	-46.755813515807	-24.168585458452	VS	100	1
-46.893671857575	-24.233453950809	VS	100	1	-46.75662501954	-24.169321296506	VS	100	1
-46.893342961559	-24.233260296128	VS	100	1	-46.756814366366	-24.169025491265	VS	100	1
-46.893043962508	-24.233084246634	VS	100	1	-46.757003927816	-24.168738608023	VS	100	1
-46.892734709388	-24.23289043643	VS	100	1	-46.757243471465	-24.168579794541	VS	100	1
-46.893953666607	-24.233630129854	VS	100	1	-46.757621446861	-24.168782376068	VS	100	1
-46.893694106302	-24.233581018015	VS	100	1	-46.757987093328	-24.168880691168	VS	100	1
-46.819250078175	-24.172585827892	VS	70	1	-46.757949502082	-24.168967211687	VS	100	1
-46.818119979111	-24.170616565342	VS	70	1	-46.757726273974	-24.169070115801	VS	100	1
-46.817298945151	-24.169747797052	VS	70	1	-46.835774676007	-24.175812810075	VS	70	1
-46.778647586863	-24.147118301902	VS	70	1	-46.758177835156	-24.169081462463	VS	100	1
-46.778306665281	-24.147178907454	VS	70	1	-46.758133674539	-24.168852860207	VS	100	1
-46.777942683519	-24.147246689767	VS	70	1	-46.758314530374	-24.168541219161	VS	100	1
-46.777544424171	-24.147317379882	VS	70	1	-46.757685026869	-24.169591804365	VS	100	1
-46.823136230423	-24.183000983769	VS	70	1	-46.757552469158	-24.16979797416	VS	100	1
-46.823337755142	-24.18286035554	VS	70	1	-46.75746725791	-24.169813234011	VS	100	1
-46.823477084554	-24.182769510792	VS	70	1	-46.757963495962	-24.170076837154	VS	100	1
-46.823534317332	-24.182914995368	VS	70	1	-46.758149346741	-24.170179013693	VS	100	1
-46.823626971214	-24.183192193509	VS	70	1	-46.758327056274	-24.170185155076	VS	100	1
-46.843377670438	-24.202359738046	VS	70	1	-46.758459407504	-24.169970062391	VS	100	1
-46.728945639136	-24.140982692967	VS	70	1	-46.758743531089	-24.169530815998	VS	100	1
-46.729486134908	-24.14059520833	VS	70	1	-46.835562300456	-24.175555702628	VS	70	1
-46.842034824159	-24.206642409586	VS	70	1	-46.83535056938	-24.175325354447	VS	70	1
-46.900210197784	-24.2267568705	VS	70	1	-46.835986629647	-24.176052080871	VS	70	1
-46.900008277248	-24.22653539538	VS	70	1	-46.834980725963	-24.175450360553	VS	100	1
-46.899846762288	-24.226358235556	VS	70	1	-46.834423647297	-24.174481887856	VS	100	1
-46.928323917816	-24.203908506627	VS	70	1	-46.833322798578	-24.174065438424	VS	70	1
-46.92990263975	-24.202686860943	VS	70	1	-46.833284018863	-24.174000759294	VS	70	1
-46.862778030184	-24.210933052184	VS	70	1	-46.832642782628	-24.176585382695	VS	70	1
-46.861600609414	-24.211754425316	VS	100	1	-46.829097160525	-24.17623963685	VS	70	1
-46.859317755271	-24.213380742229	VS	70	1	-46.832330976815	-24.176528519773	VS	70	1
-46.859365019238	-24.213635910084	VS	70	1	-46.831994961974	-24.176482335631	VS	70	1
-46.859741483636	-24.214079024777	VS	70	1	-46.831658149794	-24.17643257659	VS	70	1
-46.858533834895	-24.212660711435	VS	100	1	-46.7587444402093	-24.169380686399	VS	100	1
-46.858915184664	-24.213108531916	VS	100	1	-46.758495892102	-24.169248672598	VS	100	1
-46.85590107123	-24.215774644468	VS	70	1	-46.75892348613	-24.169252921313	VS	100	1
-46.857046944929	-24.214965204314	VS	70	1	-46.759093836946	-24.168984017759	VS	100	1
-46.858477069614	-24.213983234003	VS	70	1	-46.759283168118	-24.168688208296	VS	100	1
-46.777832437873	-24.172389601643	VS	70	1	-46.759482331333	-24.168617015257	VS	100	1
-46.777524007367	-24.172734579254	VS	70	1	-46.759800389677	-24.168784213737	VS	100	1
-46.777600103849	-24.172132025777	VS	70	1	-46.76005516205	-24.169081898355	VS	100	1
-46.777282331692	-24.172897037006	VS	70	1	-46.759999196062	-24.168889832102	VS	100	1
-46.777185175282	-24.17188756049	VS	70	1	-46.760215783339	-24.168822161576	VS	100	1
-46.781765086736	-24.174648915655	VS	70	1	-46.760395734213	-24.168544264545	VS	100	1
-46.782892076464	-24.170419758527	VS	70	1	-46.761311552783	-24.16867150458	VS	100	1
-46.783151924116	-24.17069051287	VS	70	1	-46.831353410999	-24.176653294583	VS	70	1
-46.783339009029	-24.170916913699	VS	70	1	-46.831342594811	-24.176372570627	VS	70	1
-46.89413532976	-24.233739287615	VS	100	1	-46.831076983739	-24.176330124768	VS	70	1
-46.894349029798	-24.233855442011	VS	100	1	-46.830800375758	-24.176278613626	VS	70	1
-46.823989043762	-24.186645110801	VS	100	1	-46.830425717682	-24.17621014385	VS	70	1
-46.824286056985	-24.186587110601	VS	100	1	-46.830100304591	-24.176150208001	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.824677314898	-24.186496587214	VS	100	1	-46.829475829527	-24.176100930916	VS	70	1
-46.825018688416	-24.186403476993	VS	100	1	-46.829326462643	-24.176120082053	VS	70	1
-46.825369692928	-24.186323649329	VS	100	1	-46.895008759794	-24.239003393014	VS	100	1
-46.825717992566	-24.186314125901	VS	100	1	-46.894466323827	-24.236542295694	VS	100	1
-46.782739652595	-24.174707275099	VS	70	1	-46.894910919953	-24.237047332577	VS	100	1
-46.791861663846	-24.183494333118	VS	70	1	-46.761150810001	-24.168931419722	VS	100	1
-46.792107289672	-24.183319240252	VS	70	1	-46.760971075785	-24.169218240187	VS	100	1
-46.788206463208	-24.167067851132	VS	70	1	-46.760810465684	-24.169477960158	VS	100	1
-46.788562844451	-24.167567725235	VS	70	1	-46.760325739249	-24.16907268252	VS	100	1
-46.784745998373	-24.182410483594	VS	150	1	-46.759875219369	-24.169359795033	VS	100	1
-46.860711635122	-24.212371531447	VS	70	1	-46.759515825727	-24.169933316724	VS	100	1
-46.860434181077	-24.212552509225	VS	70	1	-46.759231281526	-24.170354729301	VS	100	1
-46.790018739108	-24.167063713972	VS	70	1	-46.759669122684	-24.169882528511	VS	100	1
-46.790361666056	-24.166942159946	VS	70	1	-46.759351226575	-24.169715406127	VS	100	1
-46.79052717229	-24.167000974668	VS	70	1	-46.759052805434	-24.169548059339	VS	100	1
-46.79067596841	-24.166719134389	VS	70	1	-46.759958877365	-24.170024957324	VS	100	1
-46.788777036473	-24.16855559389	VS	70	1	-46.760289957774	-24.170302715007	VS	100	1
-46.789092593776	-24.168346022575	VS	70	1	-46.894898072588	-24.237726869253	VS	100	1
-46.789400833773	-24.168130027238	VS	70	1	-46.894688504115	-24.236790356898	VS	100	1
-46.791154873026	-24.167922115415	VS	70	1	-46.894632314081	-24.237916880759	VS	100	1
-46.790218005862	-24.168512885583	VS	100	1	-46.894244134265	-24.236294243016	VS	100	1
-46.789939589301	-24.168689433791	VS	100	1	-46.894031976327	-24.236055026886	VS	100	1
-46.789618955208	-24.168891121978	VS	100	1	-46.892053972364	-24.239506595151	VS	100	1
-46.78967185714	-24.167927237939	VS	70	1	-46.760215636817	-24.170164050606	VS	100	1
-46.789939850763	-24.167744559643	VS	70	1	-46.760213133559	-24.170412864268	VS	100	1
-46.790249075539	-24.167530807366	VS	70	1	-46.759996448867	-24.170759887663	VS	100	1
-46.790558309438	-24.167317045576	VS	70	1	-46.7596337281	-24.170974723096	VS	100	1
-46.790839227156	-24.167121965355	VS	70	1	-46.759385430141	-24.170851623593	VS	100	1
-46.791145309553	-24.166905662726	VS	70	1	-46.759184456591	-24.170728579842	VS	100	1
-46.792218948572	-24.166704595201	VS	70	1	-46.75882791401	-24.170532260183	VS	100	1
-46.791767603343	-24.166473335201	VS	70	1	-46.758492086608	-24.17035110408	VS	100	1
-46.791456532965	-24.166687184397	VS	70	1	-46.760655119111	-24.171497392702	VS	100	1
-46.791254444962	-24.166325420497	VS	70	1	-46.760591250183	-24.171424751852	VS	100	1
-46.813208097231	-24.176807285008	VS	100	1	-46.760389355762	-24.171379668382	VS	100	1
-46.780371716037	-24.169998546374	VS	70	1	-46.760130814848	-24.171238803529	VS	100	1
-46.78010157969	-24.170196842617	VS	70	1	-46.75983324191	-24.171179027914	VS	70	1
-46.779850854681	-24.170386065616	VS	70	1	-46.890780826553	-24.238287243402	VS	100	1
-46.77938702077	-24.17072003267	VS	70	1	-46.890566062422	-24.238117568796	VS	100	1
-46.780570266494	-24.171128524875	VS	70	1	-46.760732987214	-24.171191742917	VS	100	1
-46.780825919126	-24.170236608317	VS	70	1	-46.760884336939	-24.170949742478	VS	100	1
-46.781041839109	-24.170469634733	VS	70	1	-46.76104549577	-24.170707663337	VS	100	1
-46.781217497604	-24.170686579159	VS	70	1	-46.76120029329	-24.170701244904	VS	100	1
-46.782246372741	-24.169650176328	VS	70	1	-46.76181657099	-24.171026870175	VS	100	1
-46.782022539166	-24.169551852593	VS	70	1	-46.762232082676	-24.170967908272	VS	100	1
-46.781983565675	-24.169339579525	VS	70	1	-46.762182646072	-24.171149097397	VS	100	1
-46.781079519047	-24.169494962059	VS	70	1	-46.760553756427	-24.170340155106	VS	100	1
-46.780926066943	-24.169351263641	VS	70	1	-46.760431992243	-24.170078504712	VS	100	1
-46.780322356977	-24.17338462372	VS	70	1	-46.760619194093	-24.169786141187	VS	100	1
-46.81249860369	-24.17713418863	VS	100	1	-46.761405886518	-24.170119037163	VS	100	1
-46.812159099486	-24.177288289619	VS	100	1	-46.761234011702	-24.170376162982	VS	100	1
-46.906233520558	-24.235538033117	VS	100	1	-46.712769137549	-24.140638595782	VS	150	1
-46.835698586425	-24.201598860388	VS	70	1	-46.712552832651	-24.140531539493	VS	150	1
-46.835379754526	-24.201434621126	VS	70	1	-46.761973373169	-24.171954005628	VS	100	1
-46.776199484075	-24.175353050963	VS	70	1	-46.761732009673	-24.172125289464	VS	100	1
-46.795101378473	-24.164353259228	VS	70	1	-46.752616872697	-24.156363354626	VS	100	1
-46.795604783301	-24.163822116296	VS	70	1	-46.75356214815	-24.156242227926	VS	100	1
-46.80099584479	-24.156433308582	VS	70	1	-46.761694226516	-24.171349241602	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.800706129125	-24.156631802908	VS	70	1	-46.761408047452	-24.171556358334	VS	100	1
-46.800397213199	-24.156848276764	VS	70	1	-46.759965241443	-24.170806440308	VS	100	1
-46.795773014703	-24.160925276428	VS	70	1	-46.757465489377	-24.169250453208	VS	100	1
-46.795493318736	-24.161132600361	VS	70	1	-46.758371584278	-24.15939070753	VS	100	1
-46.795322934955	-24.161336783998	VS	70	1	-46.758335130525	-24.158556709952	VS	100	1
-46.840294470158	-24.210900137677	VS	70	1	-46.758209254015	-24.158758307712	VS	100	1
-46.868138765454	-24.228039258359	VS	70	1	-46.758084605506	-24.158507287129	VS	100	1
-46.868025807743	-24.229459084664	VS	100	1	-46.896471384037	-24.239024049191	VS	250	1
-46.87757306021	-24.227479126857	VS	100	1	-46.896388714974	-24.239623148712	VS	100	1
-46.875979506644	-24.225116739817	VS	100	1	-46.896260482087	-24.240400546041	VS	100	1
-46.881318254046	-24.224968677734	VS	70	1	-46.896028975526	-24.239361139794	VS	250	1
-46.880990186694	-24.225186948358	VS	70	1	-46.895929615181	-24.243806979788	VS	100	1
-46.776147315963	-24.172474818499	VS	100	1	-46.89578970882	-24.239537884042	VS	250	1
-46.820794785809	-24.190313877363	VS	125	1	-46.895674419551	-24.239736037164	VS	100	1
-46.838135366207	-24.164528266374	VS	70	1	-46.895657726053	-24.240655292534	VS	100	1
-46.838820795853	-24.164485913426	VS	70	1	-46.758051951668	-24.15877138951	VS	100	1
-46.838570237557	-24.164273723404	VS	70	1	-46.758053549648	-24.159223509402	VS	100	1
-46.838375110977	-24.164294393589	VS	70	1	-46.758019220402	-24.159048219655	VS	100	1
-46.784314041023	-24.168960074418	VS	100	1	-46.75771132342	-24.159051002832	VS	100	1
-46.838110367902	-24.164741302169	VS	70	1	-46.757357927385	-24.158862722774	VS	100	1
-46.838360915993	-24.164953501701	VS	70	1	-46.757029919974	-24.158686689216	VS	100	1
-46.838611493503	-24.165165728757	VS	70	1	-46.756761588805	-24.158545891577	VS	100	1
-46.837692698272	-24.164981103474	VS	100	1	-46.75647342576	-24.158396309763	VS	100	1
-46.778662273352	-24.176964683935	VS	100	1	-46.755906704501	-24.158088153419	VS	100	1
-46.788088109833	-24.177336964236	VS	100	1	-46.755794613576	-24.159261177172	VS	100	1
-46.776256420929	-24.157165964015	VS	70	1	-46.75577229026	-24.158633363	VS	100	1
-46.722678486139	-24.133499213174	VS	100	1	-46.828767157385	-24.176420923872	VS	70	1
-46.722946563064	-24.133311086733	VS	100	1	-46.824809167982	-24.176667520597	VS	70	1
-46.723245849918	-24.133106706455	VS	100	1	-46.828406230916	-24.176848926071	VS	70	1
-46.723484393695	-24.132920112168	VS	100	1	-46.828309385858	-24.17526622258	VS	70	1
-46.723865421455	-24.133168950678	VS	100	1	-46.828288952843	-24.176220627445	VS	70	1
-46.723663784071	-24.132901164847	VS	100	1	-46.82817507799	-24.175342054681	VS	70	1
-46.722411954328	-24.133721721604	VS	100	1	-46.893880878129	-24.241787951416	VS	100	1
-46.722053350095	-24.133869793376	VS	100	1	-46.893632244956	-24.241629987899	VS	100	1
-46.723445204797	-24.132654522127	VS	100	1	-46.893368054924	-24.241301389396	VS	100	1
-46.784910099501	-24.177387987143	VS	100	1	-46.892956325527	-24.242940492038	VS	100	1
-46.723701417336	-24.13267147445	VS	100	1	-46.895523522587	-24.239735296886	VS	250	1
-46.910621920523	-24.237508319008	VS	70	1	-46.895442432248	-24.239496755369	VS	100	1
-46.910404991942	-24.237269580128	VS	70	1	-46.895425262666	-24.240389471	VS	100	1
-46.81252860352	-24.192832279939	VS	100	1	-46.89521046036	-24.239240188998	VS	100	1
-46.812380010698	-24.193075028645	VS	100	1	-46.89504959599	-24.243340806119	VS	100	1
-46.839519940743	-24.210677978286	VS	70	1	-46.894883850665	-24.240735550074	VS	100	1
-46.789238409336	-24.158362668657	VS	100	1	-46.894738225423	-24.239618540758	VS	100	1
-46.787567262965	-24.156585662554	VS	100	1	-46.894680464418	-24.240508941719	VS	100	1
-46.788649595632	-24.156250660898	VS	100	1	-46.894351724637	-24.241064611152	VS	100	1
-46.788761374309	-24.156706659333	VS	100	1	-46.893994762183	-24.239740668394	VS	100	1
-46.918574410683	-24.22653050398	VS	100	1	-46.893780308775	-24.240424989413	VS	100	1
-46.914126456735	-24.229779893983	VS	70	1	-46.893543747026	-24.240172705707	VS	100	1
-46.913865928275	-24.229969435657	VS	70	1	-46.892734045126	-24.24269232571	VS	100	1
-46.912201562317	-24.229673248655	VS	70	1	-46.894051440133	-24.241908730278	VS	100	1
-46.910304843631	-24.228841143859	VS	100	1	-46.892512065356	-24.242453183798	VS	100	1
-46.910041104684	-24.235268347752	VS	100	1	-46.892309728691	-24.242213887504	VS	100	1
-46.908867832875	-24.23361566887	VS	70	1	-46.892452375845	-24.241969149712	VS	100	1
-46.908593144664	-24.233830227456	VS	70	1	-46.755598710994	-24.15792979539	VS	100	1
-46.908380513869	-24.232453069788	VS	70	1	-46.755486167198	-24.159084964287	VS	100	1
-46.908317748813	-24.234012811377	VS	100	1	-46.755454271759	-24.158466151414	VS	100	1
-46.908110382252	-24.232651601552	VS	100	1	-46.757107090699	-24.156739445845	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.908057429482	-24.234211255221	VS	100	1	-46.756804594984	-24.157223203742	VS	100	1
-46.907878845072	-24.232823067113	VS	100	1	-46.75668164479	-24.157420382901	VS	100	1
-46.90775827735	-24.234427867248	VS	100	1	-46.756539694328	-24.1576444484821	VS	70	1
-46.907589511996	-24.233039600911	VS	100	1	-46.756243285576	-24.158125579818	VS	70	1
-46.907144539729	-24.230844101934	VS	100	1	-46.756021139994	-24.158156587707	VS	100	1
-46.90713115955	-24.23488810241	VS	70	1	-46.756128871181	-24.158288944524	VS	70	1
-46.906942844618	-24.230631584761	VS	100	1	-46.755934526164	-24.158621430803	VS	70	1
-46.907020433202	-24.233463664655	VS	100	1	-46.755821453507	-24.158818442449	VS	70	1
-46.906831853819	-24.235104807302	VS	70	1	-46.755658362788	-24.159075239357	VS	100	1
-46.906690072085	-24.230339174797	VS	100	1	-46.826358328474	-24.174851514133	VS	70	1
-46.906647629144	-24.231503729904	VS	100	1	-46.826158102013	-24.175103045273	VS	70	1
-46.906657753959	-24.237060424603	VS	100	1	-46.824197730253	-24.196056150705	VS	100	1
-46.906458039538	-24.230091216153	VS	100	1	-46.826948783371	-24.17409748582	VS	70	1
-46.906532687824	-24.23532141607	VS	100	1	-46.826758492548	-24.174348794498	VS	70	1
-46.906338425688	-24.236857792866	VS	100	1	-46.826548811257	-24.174609146316	VS	70	1
-46.906021502279	-24.235700336965	VS	70	1	-46.824387258729	-24.195743086909	VS	100	1
-46.905999610808	-24.236655419974	VS	100	1	-46.812003624144	-24.188829374833	VS	100	1
-46.905850629355	-24.237149764038	VS	100	1	-46.824539646225	-24.176482214091	VS	70	1
-46.905767515574	-24.23577612217	VS	70	1	-46.893105342757	-24.240572388283	VS	100	1
-46.905720469193	-24.236488178165	VS	100	1	-46.896577144362	-24.243542587235	VS	100	1
-46.905714614082	-24.236677946684	VS	100	1	-46.896546941633	-24.243356003303	VS	100	1
-46.905581499695	-24.236991339413	VS	100	1	-46.896387899152	-24.243419502768	VS	100	1
-46.905540914503	-24.236804295868	VS	100	1	-46.896303157189	-24.239147116943	VS	100	1
-46.905481034001	-24.236338434161	VS	100	1	-46.896176772645	-24.239392857829	VS	100	1
-46.905362127043	-24.236859276356	VS	100	1	-46.896206447182	-24.243609358787	VS	100	1
-46.905354806382	-24.237597612923	VS	100	1	-46.896098958453	-24.240223380815	VS	100	1
-46.905241792548	-24.237020866518	VS	100	1	-46.755509200388	-24.159311381972	VS	100	1
-46.905122907515	-24.236718445995	VS	100	1	-46.755367667287	-24.15955330861	VS	100	1
-46.905015837323	-24.237395143468	VS	100	1	-46.760280979624	-24.151721433587	VS	70	1
-46.904981246611	-24.237210389327	VS	100	1	-46.759953573695	-24.151572146743	VS	70	1
-46.904505219181	-24.226789193494	VS	100	1	-46.759605708077	-24.151387327407	VS	70	1
-46.904686853154	-24.237201472204	VS	100	1	-46.759307737836	-24.151237821941	VS	70	1
-46.904013576808	-24.227168033267	VS	100	1	-46.758986077594	-24.151383438727	VS	70	1
-46.90407242362	-24.234015948186	VS	100	1	-46.759313421363	-24.151897973002	VS	70	1
-46.903870514664	-24.233794503763	VS	100	1	-46.824260294861	-24.176296989168	VS	70	1
-46.903849714504	-24.233543091787	VS	100	1	-46.828712846316	-24.176925688479	VS	70	1
-46.903492556456	-24.227547053115	VS	100	1	-46.827806716082	-24.175427754955	VS	70	1
-46.903658368835	-24.23355531801	VS	100	1	-46.827636537678	-24.175696692366	VS	70	1
-46.903464705428	-24.234402924908	VS	100	1	-46.827476118139	-24.175965608483	VS	70	1
-46.903195354649	-24.234243697507	VS	100	1	-46.827441675206	-24.176148673359	VS	70	1
-46.903175885128	-24.234042219384	VS	100	1	-46.82768111796	-24.176307436795	VS	70	1
-46.902896576944	-24.234068456265	VS	100	1	-46.827212398529	-24.175998852723	VS	100	1
-46.902742807308	-24.227896155292	VS	70	1	-46.826943295025	-24.175831395515	VS	100	1
-46.902587566812	-24.233883624459	VS	100	1	-46.826716982753	-24.176865906561	VS	100	1
-46.902581582211	-24.237550372703	VS	100	1	-46.825670651203	-24.176194002083	VS	70	1
-46.902534427152	-24.236897786602	VS	100	1	-46.896058118719	-24.24232762506	VS	100	1
-46.902389910946	-24.23768661127	VS	100	1	-46.896087856856	-24.243225205802	VS	100	1
-46.902312556749	-24.237060170456	VS	100	1	-46.895924341554	-24.239109501635	VS	100	1
-46.902178976884	-24.237698973908	VS	100	1	-46.896038164151	-24.24399316469	VS	100	1
-46.902090473992	-24.23722271951	VS	100	1	-46.895907097645	-24.240010772409	VS	100	1
-46.901764253921	-24.237211585863	VS	100	1	-46.895757949652	-24.24228211546	VS	100	1
-46.901395215495	-24.231003721176	VS	70	1	-46.895838382761	-24.243066609504	VS	100	1
-46.901246904658	-24.229848995833	VS	100	1	-46.895712186063	-24.238870287143	VS	100	1
-46.901320038357	-24.236724393289	VS	100	1	-46.895780449211	-24.242532121112	VS	100	1
-46.900949639041	-24.224876889972	VS	100	1	-46.895708511034	-24.243781467483	VS	100	1
-46.900973034708	-24.229537660084	VS	100	1	-46.89568822902	-24.24398756983	VS	100	1
-46.900493578891	-24.225214020014	VS	100	1	-46.825417023059	-24.174825965075	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.900707330658	-24.236979056792	VS	100	1	-46.895415635574	-24.242056037302	VS	100	1
-46.900438825886	-24.230885721675	VS	100	1	-46.895452049208	-24.242778191753	VS	100	1
-46.900465044824	-24.236713329207	VS	100	1	-46.895458811957	-24.243613947053	VS	100	1
-46.900227271195	-24.230638568515	VS	100	1	-46.895297122593	-24.242708121956	VS	100	1
-46.900269335038	-24.236262638399	VS	250	1	-46.895270739506	-24.241168654045	VS	100	1
-46.900212494449	-24.236429823189	VS	100	1	-46.895209286515	-24.241918477879	VS	100	1
-46.900057333473	-24.23702321999	VS	100	1	-46.895172943142	-24.24011488965	VS	100	1
-46.900008717566	-24.236445360592	VS	250	1	-46.89521940472	-24.243455441397	VS	100	1
-46.89991972448	-24.236110887446	VS	100	1	-46.895180529614	-24.242974548408	VS	100	1
-46.899794752029	-24.236730885906	VS	100	1	-46.895065390743	-24.240936673283	VS	100	1
-46.89978679484	-24.23660778415	VS	250	1	-46.823990774753	-24.176111681895	VS	70	1
-46.899647104187	-24.235809707674	VS	100	1	-46.823691363508	-24.175908766286	VS	70	1
-46.899574462236	-24.236761215102	VS	250	1	-46.823615853179	-24.177097001302	VS	70	1
-46.899552076076	-24.236447365875	VS	100	1	-46.823419834464	-24.175966619732	VS	70	1
-46.899309568865	-24.236172713416	VS	100	1	-46.823412024564	-24.175723540399	VS	70	1
-46.899064727342	-24.235897600945	VS	100	1	-46.823326184443	-24.176893946374	VS	70	1
-46.898701530554	-24.237395667608	VS	250	1	-46.823200303115	-24.176227065248	VS	70	1
-46.898274551795	-24.236020646704	VS	100	1	-46.823122655907	-24.175529464629	VS	70	1
-46.897810398316	-24.23422369228	VS	100	1	-46.823056664839	-24.176708637467	VS	70	1
-46.897363748826	-24.233734693795	VS	100	1	-46.823009580926	-24.176460531488	VS	70	1
-46.89680751078	-24.228295751358	VS	70	1	-46.822843318991	-24.175344228907	VS	70	1
-46.896900073801	-24.233733454591	VS	100	1	-46.894990996448	-24.240117998504	VS	250	1
-46.89595180317	-24.197696674933	VS	100	1	-46.894964479935	-24.242501157652	VS	100	1
-46.895671915212	-24.197895270089	VS	100	1	-46.894950604754	-24.239866670942	VS	100	1
-46.895382273349	-24.198093917039	VS	100	1	-46.894913390945	-24.241688333182	VS	100	1
-46.783894762765	-24.162401116742	VS	70	1	-46.894902050384	-24.243172943506	VS	100	1
-46.784242261918	-24.162184171584	VS	70	1	-46.894709132905	-24.240321550102	VS	100	1
-46.784595301896	-24.161976791312	VS	70	1	-46.894695406407	-24.242328009436	VS	100	1
-46.784958835837	-24.161757439125	VS	70	1	-46.894603865259	-24.24134199318	VS	100	1
-46.785325726287	-24.161535185588	VS	70	1	-46.894573776777	-24.243407636409	VS	100	1
-46.785692694512	-24.161309930923	VS	70	1	-46.894569394354	-24.24384592027	VS	100	1
-46.786059592678	-24.161087666516	VS	70	1	-46.82278683025	-24.176505584979	VS	70	1
-46.893373442729	-24.225536198412	VS	100	1	-46.822507491722	-24.17632035744	VS	70	1
-46.890490099541	-24.236573897631	VS	100	1	-46.822294447379	-24.17497370962	VS	70	1
-46.89006285329	-24.236284552188	VS	100	1	-46.82224799533	-24.176143896659	VS	70	1
-46.890328424629	-24.236087583261	VS	100	1	-46.822024713096	-24.174779476709	VS	70	1
-46.890594272355	-24.235902784533	VS	100	1	-46.821968658744	-24.175958659328	VS	70	1
-46.890987219342	-24.234927616906	VS	100	1	-46.821793366764	-24.174627419134	VS	70	1
-46.890682841335	-24.234778493834	VS	100	1	-46.821540107776	-24.176916696082	VS	70	1
-46.894866134624	-24.233456075513	VS	100	1	-46.821515358215	-24.174441352292	VS	70	1
-46.894524044908	-24.233259542165	VS	100	1	-46.894442460592	-24.240243636429	VS	100	1
-46.894235217415	-24.233067990698	VS	100	1	-46.894470005811	-24.240496898068	VS	250	1
-46.893891887148	-24.232860557675	VS	100	1	-46.894385433244	-24.242122531248	VS	100	1
-46.890669578638	-24.23407951735	VS	100	1	-46.894227006572	-24.239997568422	VS	100	1
-46.890363015157	-24.233939107849	VS	100	1	-46.894313428094	-24.243606051321	VS	100	1
-46.712003937756	-24.144218587747	VS	100	1	-46.894209663372	-24.240695322639	VS	250	1
-46.711685811422	-24.144042384281	VS	100	1	-46.894179807026	-24.240872529343	VS	100	1
-46.907354869949	-24.232112448081	VS	70	1	-46.893946507336	-24.240627619622	VS	100	1
-46.907101423213	-24.231836683021	VS	70	1	-46.894024169477	-24.24382246576	VS	100	1
-46.906860643316	-24.231574693603	VS	70	1	-46.89393376898	-24.240880126146	VS	250	1
-46.906608357975	-24.231300185475	VS	70	1	-46.893678711312	-24.241074391564	VS	250	1
-46.906406231999	-24.231069821094	VS	70	1	-46.824379451793	-24.172906770846	VS	70	1
-46.906183798834	-24.230812860438	VS	70	1	-46.821936749856	-24.172568694346	VS	70	1
-46.905931647029	-24.230547164329	VS	70	1	-46.824070446694	-24.172712853035	VS	70	1
-46.905580480188	-24.229922742613	VS	70	1	-46.823791324017	-24.172536542297	VS	70	1
-46.905271400991	-24.229983266567	VS	70	1	-46.82358229683	-24.173644514769	VS	70	1
-46.906163523456	-24.229506164293	VS	70	1	-46.823521734692	-24.172351188103	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.90907141716	-24.230798656343	VS	70	1	-46.823332613757	-24.173467982859	VS	100	1
-46.908901817577	-24.230596418784	VS	70	1	-46.823227480916	-24.172169403394	VS	70	1
-46.908732144095	-24.23039159132	VS	70	1	-46.823108437829	-24.171976557123	VS	70	1
-46.901871768939	-24.232634421724	VS	70	1	-46.823083381834	-24.173309287696	VS	70	1
-46.902091559464	-24.232475317772	VS	70	1	-46.822917764198	-24.17196908974	VS	70	1
-46.902351872665	-24.23227688464	VS	70	1	-46.822908615613	-24.172236777332	VS	70	1
-46.903558213476	-24.231401388913	VS	70	1	-46.822814290019	-24.173141824633	VS	70	1
-46.896184641477	-24.236159615719	VS	70	1	-46.822708730984	-24.172497076616	VS	70	1
-46.904092609409	-24.238022485346	VS	70	1	-46.822624420838	-24.171778123649	VS	70	1
-46.904324864201	-24.238279371971	VS	70	1	-46.822522889901	-24.172954788297	VS	70	1
-46.838632921655	-24.207450922088	VS	100	1	-46.822508692051	-24.172757560645	VS	70	1
-46.84223016314	-24.209411998219	VS	70	1	-46.836233913097	-24.206785532673	VS	100	1
-46.831524275388	-24.18433272953	VS	70	1	-46.835903936799	-24.206618391333	VS	100	1
-46.829246749193	-24.203297193827	VS	70	1	-46.896491470094	-24.237911371214	VS	100	1
-46.841126384944	-24.20884942937	VS	70	1	-46.896049121092	-24.237403738838	VS	100	1
-46.839786356615	-24.208022294459	VS	70	1	-46.895995097541	-24.238260222994	VS	100	1
-46.839574638743	-24.207919281389	VS	70	1	-46.895871132229	-24.237010110421	VS	100	1
-46.832796721914	-24.194402437884	VS	70	1	-46.895826702475	-24.237146755441	VS	100	1
-46.832619259632	-24.194705431638	VS	70	1	-46.895769524212	-24.238012946147	VS	100	1
-46.832439414985	-24.195001264155	VS	70	1	-46.895626135097	-24.237186014842	VS	100	1
-46.842575882071	-24.209966387407	VS	70	1	-46.895547105355	-24.237755962288	VS	100	1
-46.825430056844	-24.198777753493	VS	70	1	-46.895384899776	-24.237357440004	VS	100	1
-46.826120983579	-24.198826844833	VS	70	1	-46.895344908082	-24.237525483116	VS	100	1
-46.825136310152	-24.196509947519	VS	70	1	-46.822325241362	-24.171584129836	VS	70	1
-46.835896653085	-24.185899563599	VS	70	1	-46.822308657267	-24.173008848078	VS	70	1
-46.836186939655	-24.185656253981	VS	70	1	-46.822216079772	-24.17275393078	VS	150	1
-46.836450271492	-24.185407617012	VS	70	1	-46.822127749915	-24.173242231311	VS	70	1
-46.836710588361	-24.184942103995	VS	70	1	-46.89513416711	-24.237546857628	VS	100	1
-46.836436422378	-24.184684513826	VS	70	1	-46.824186440632	-24.173128392635	VS	70	1
-46.817292896628	-24.195718420276	VS	70	1	-46.824014864333	-24.173343930211	VS	70	1
-46.817912599404	-24.195297505801	VS	70	1	-46.823853158967	-24.17355932357	VS	70	1
-46.818401548631	-24.19487515829	VS	70	1	-46.822030434445	-24.18530688139	VS	100	1
-46.818138892717	-24.194772315049	VS	70	1	-46.834458516398	-24.17308072634	VS	100	1
-46.816966357839	-24.194320512319	VS	70	1	-46.834454516261	-24.173321672017	VS	100	1
-46.816701572803	-24.194218834456	VS	70	1	-46.823740894798	-24.185817480853	VS	70	1
-46.855410945034	-24.219003450684	VS	70	1	-46.823377910614	-24.185829193444	VS	70	1
-46.855603323467	-24.219225500289	VS	70	1	-46.896261519041	-24.237651894644	VS	100	1
-46.85569988154	-24.218955706217	VS	70	1	-46.896233978586	-24.23852670363	VS	100	1
-46.872278573536	-24.225065988994	VS	70	1	-46.896421874404	-24.238747301244	VS	100	1
-46.880961978147	-24.221973811914	VS	70	1	-46.895065956805	-24.238132542199	VS	100	1
-46.880653276936	-24.222190272098	VS	70	1	-46.895251545351	-24.23838630465	VS	100	1
-46.880329008114	-24.222429094201	VS	70	1	-46.89546467241	-24.238604411069	VS	100	1
-46.880088144811	-24.222597025593	VS	100	1	-46.825846787131	-24.184279030076	VS	70	1
-46.879994744801	-24.222281199802	VS	70	1	-46.82555727597	-24.185762082349	VS	70	1
-46.883625249842	-24.217966450294	VS	70	1	-46.825519871652	-24.184703085903	VS	70	1
-46.877789887449	-24.221867909579	VS	70	1	-46.825503939961	-24.184438649909	VS	100	1
-46.878330623555	-24.221488797216	VS	70	1	-46.825230819519	-24.185758256981	VS	70	1
-46.878600776529	-24.2212903216	VS	70	1	-46.825238421176	-24.184684518947	VS	70	1
-46.782840983616	-24.15849626297	VS	70	1	-46.825199790196	-24.18521530685	VS	70	1
-46.782813193702	-24.158740694434	VS	70	1	-46.824924403018	-24.185228389559	VS	70	1
-46.788519439926	-24.16435154409	VS	70	1	-46.824909749827	-24.184695058098	VS	70	1
-46.788426929472	-24.164606764536	VS	70	1	-46.824867758359	-24.185770818581	VS	70	1
-46.78814059293	-24.164838556119	VS	70	1	-46.824571611237	-24.184710196424	VS	70	1
-46.862480763995	-24.218732696819	VS	70	1	-46.824541826969	-24.18524026187	VS	70	1
-46.771315079336	-24.167275301954	VS	70	1	-46.824504851994	-24.185784059752	VS	70	1
-46.771552313781	-24.167211252968	VS	70	1	-46.824479089294	-24.184187711704	VS	70	1
-46.771822680578	-24.167021886592	VS	70	1	-46.824241599244	-24.184720859614	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.771243360038	-24.16742763079	VS	70	1	-46.824085063131	-24.185255534134	VS	70	1
-46.770915981939	-24.167659147254	VS	70	1	-46.824104104353	-24.185794638758	VS	70	1
-46.886943934149	-24.232565368719	VS	70	1	-46.823932371069	-24.184729513825	VS	70	1
-46.886630594129	-24.232794580305	VS	70	1	-46.823693224645	-24.18526783533	VS	70	1
-46.808144301233	-24.148530413183	VS	70	1	-46.823731664669	-24.184211444362	VS	70	1
-46.821736070194	-24.187947760476	VS	70	1	-46.82356167957	-24.185272393777	VS	70	1
-46.869562025132	-24.215408580525	VS	70	1	-46.82352858677	-24.184740792726	VS	70	1
-46.869298124188	-24.21560652448	VS	70	1	-46.823413832263	-24.184223891692	VS	70	1
-46.869048668743	-24.215790335002	VS	70	1	-46.823237300753	-24.185285986142	VS	70	1
-46.830727438784	-24.201524052051	VS	70	1	-46.823196353929	-24.184754160588	VS	70	1
-46.87799536933	-24.230303083214	VS	100	1	-46.823084214503	-24.184234265771	VS	70	1
-46.865307592636	-24.212736488533	VS	70	1	-46.822913356998	-24.185297389833	VS	70	1
-46.865064983494	-24.212921434388	VS	70	1	-46.822881098937	-24.184762277562	VS	70	1
-46.86478686766	-24.213116918994	VS	70	1	-46.822835154861	-24.185711008475	VS	70	1
-46.864497088699	-24.213315530023	VS	70	1	-46.822721235036	-24.184245977398	VS	70	1
-46.864502716316	-24.214053597699	VS	70	1	-46.822667532084	-24.18514029084	VS	70	1
-46.834144187421	-24.165982556894	VS	70	1	-46.822671356923	-24.18535687969	VS	70	1
-46.840706402671	-24.171405184249	VS	70	1	-46.822644289842	-24.184345079264	VS	70	1
-46.840434279816	-24.171169000487	VS	70	1	-46.822640857317	-24.184594638877	VS	70	1
-46.840139701945	-24.170929191412	VS	70	1	-46.822577192547	-24.185588215679	VS	70	1
-46.824574532659	-24.156201405457	VS	70	1	-46.821909721823	-24.1857036172	VS	70	1
-46.8235751787	-24.156450619593	VS	100	1	-46.893760685337	-24.236075214364	VS	100	1
-46.823835006201	-24.156664157246	VS	100	1	-46.89353043613	-24.236433792151	VS	100	1
-46.821937151932	-24.156773560224	VS	70	1	-46.893742369016	-24.236664085508	VS	100	1
-46.821696898706	-24.1565791116	VS	70	1	-46.893964557725	-24.236912147876	VS	100	1
-46.821712453172	-24.156375261941	VS	70	1	-46.894186766634	-24.237160219569	VS	100	1
-46.821025192014	-24.162489354678	VS	100	1	-46.894409181582	-24.237417204935	VS	100	1
-46.842739846708	-24.170042485303	VS	70	1	-46.89462133235	-24.237656420636	VS	100	1
-46.842437912559	-24.169790037302	VS	70	1	-46.894833579242	-24.237895728882	VS	100	1
-46.842183512498	-24.169572490218	VS	70	1	-46.894321764756	-24.238139331138	VS	100	1
-46.731215078534	-24.145145842886	VS	70	1	-46.894331902832	-24.238265692423	VS	100	1
-46.731007841708	-24.144915770747	VS	70	1	-46.894543839866	-24.238495985217	VS	100	1
-46.726719124051	-24.148914995585	VS	70	1	-46.825504133215	-24.184200550328	VS	100	1
-46.731284987905	-24.141856417594	VS	70	1	-46.825169267747	-24.184009492741	VS	100	1
-46.731041930334	-24.141574838582	VS	70	1	-46.825127837883	-24.184164865788	VS	100	1
-46.730477914805	-24.141396318054	VS	70	1	-46.824781598999	-24.184185525746	VS	100	1
-46.730616323615	-24.141040385063	VS	70	1	-46.824085082529	-24.184208736408	VS	100	1
-46.731239363041	-24.142561022647	VS	70	1	-46.822683939389	-24.185560797985	VS	70	1
-46.731501672609	-24.142360531535	VS	70	1	-46.828014527526	-24.179384014477	VS	70	1
-46.731803274812	-24.142139188171	VS	70	1	-46.827838236624	-24.178899274834	VS	70	1
-46.732092305938	-24.141925371389	VS	70	1	-46.827565259236	-24.181298712853	VS	70	1
-46.899062282698	-24.230115661004	VS	70	1	-46.827197585507	-24.179229174084	VS	70	1
-46.898829459597	-24.229849349222	VS	70	1	-46.826834020151	-24.178979929185	VS	70	1
-46.841642077283	-24.212723052058	VS	70	1	-46.894775858764	-24.238743969857	VS	100	1
-46.727319617846	-24.150927314125	VS	70	1	-46.893277994196	-24.236439295205	VS	100	1
-46.73006261459	-24.147432354513	VS	70	1	-46.893027397199	-24.236626918575	VS	100	1
-46.730526904498	-24.147982202953	VS	70	1	-46.893008757885	-24.236786160707	VS	100	1
-46.731172987624	-24.148753738132	VS	70	1	-46.89322172914	-24.237022677178	VS	100	1
-46.731384889202	-24.149002044231	VS	70	1	-46.893473224414	-24.237299961464	VS	100	1
-46.731618627802	-24.149268199311	VS	70	1	-46.893716677821	-24.237508700778	VS	100	1
-46.775076890916	-24.157302355806	VS	70	1	-46.893894763742	-24.237796921345	VS	100	1
-46.732588928804	-24.144538794511	VS	70	1	-46.89411058987	-24.238030376295	VS	100	1
-46.73239707328	-24.144308190266	VS	70	1	-46.826615732998	-24.180190715844	VS	70	1
-46.732164972859	-24.14404198386	VS	70	1	-46.826552380583	-24.181166238567	VS	70	1
-46.734643595088	-24.142666598856	VS	70	1	-46.826408181324	-24.179957928187	VS	70	1
-46.734613709801	-24.142490151899	VS	70	1	-46.826215480852	-24.180633311382	VS	70	1
-46.734875282673	-24.142504379829	VS	70	1	-46.826171837562	-24.179681001575	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.735172671687	-24.142296154783	VS	70	1	-46.826051974291	-24.180366884002	VS	70	1
-46.882550164562	-24.218247811133	VS	70	1	-46.825697199721	-24.179794191973	VS	70	1
-46.882315192017	-24.218586705691	VS	70	1	-46.825550743676	-24.179572491691	VS	70	1
-46.862132489445	-24.223498264451	VS	70	1	-46.825395559156	-24.17931163864	VS	70	1
-46.862469205799	-24.223692688269	VS	70	1	-46.82518374648	-24.178997408038	VS	70	1
-46.862724871941	-24.223856377803	VS	70	1	-46.824110363489	-24.17944788736	VS	70	1
-46.880181389464	-24.22027758347	VS	70	1	-46.823935014601	-24.179995272924	VS	70	1
-46.880784629237	-24.219836273061	VS	70	1	-46.823810954873	-24.179244971231	VS	70	1
-46.881410191712	-24.219395898142	VS	70	1	-46.892753512583	-24.236830213857	VS	100	1
-46.88200505743	-24.218966770738	VS	70	1	-46.892974081266	-24.236060456398	VS	100	1
-46.882847522787	-24.220395372624	VS	70	1	-46.89315610608	-24.236273144218	VS	100	1
-46.882600691628	-24.22011656168	VS	70	1	-46.892651184081	-24.236619670849	VS	100	1
-46.762802776478	-24.165901921009	VS	70	1	-46.892419172755	-24.236371692981	VS	100	1
-46.731003040746	-24.152773448681	VS	100	1	-46.892210740077	-24.236138751668	VS	100	1
-46.730438784839	-24.152431927737	VS	100	1	-46.89186502912	-24.23597925317	VS	100	1
-46.733018162548	-24.153185621578	VS	100	1	-46.822360765746	-24.178952762203	VS	70	1
-46.73270333464	-24.15301699578	VS	100	1	-46.822204183481	-24.182037238266	VS	70	1
-46.73242390786	-24.152870213753	VS	100	1	-46.822020573148	-24.179329977802	VS	70	1
-46.732119705457	-24.152716264077	VS	100	1	-46.821941677411	-24.182058189208	VS	70	1
-46.731839656106	-24.152566975438	VS	100	1	-46.821854886508	-24.181704127559	VS	70	1
-46.731500511713	-24.152395475382	VS	100	1	-46.821471083347	-24.17895151196	VS	70	1
-46.826030488039	-24.190173579839	VS	150	1	-46.828183325621	-24.182098268622	VS	70	1
-46.825410916821	-24.191200000541	VS	150	1	-46.828030866045	-24.181352202043	VS	70	1
-46.825573383467	-24.190931875881	VS	150	1	-46.827968541314	-24.180108854349	VS	70	1
-46.825744559857	-24.190651024835	VS	150	1	-46.827947969442	-24.182218339623	VS	70	1
-46.825903034096	-24.190379895979	VS	150	1	-46.827796878826	-24.179913792568	VS	70	1
-46.824770087458	-24.192267010449	VS	150	1	-46.82774420872	-24.17957347978	VS	70	1
-46.824953244498	-24.191974552239	VS	150	1	-46.894895384755	-24.236129208585	VS	100	1
-46.825103839872	-24.191718184054	VS	150	1	-46.827759777703	-24.181542520365	VS	70	1
-46.825255711403	-24.191458830288	VS	150	1	-46.827665618956	-24.179763115317	VS	70	1
-46.82460765022	-24.192288509923	VS	70	1	-46.827608707796	-24.180877275745	VS	70	1
-46.82425352107	-24.192118269564	VS	70	1	-46.827604901488	-24.182281198635	VS	70	1
-46.823904693652	-24.191950049331	VS	70	1	-46.82752208051	-24.179726902993	VS	70	1
-46.823868753309	-24.191814029712	VS	70	1	-46.827484076835	-24.179559406527	VS	70	1
-46.824016021152	-24.191541910639	VS	70	1	-46.827440981527	-24.181550947377	VS	70	1
-46.824175390736	-24.191288380958	VS	70	1	-46.827342863454	-24.18103274577	VS	70	1
-46.824370271826	-24.190972758419	VS	70	1	-46.827271171336	-24.17990729726	VS	70	1
-46.824532151613	-24.190887229842	VS	70	1	-46.827243609195	-24.180493622795	VS	70	1
-46.82488678878	-24.191063208357	VS	70	1	-46.827262851377	-24.182346293674	VS	70	1
-46.825235389248	-24.191243492466	VS	70	1	-46.827075538215	-24.17881745443	VS	100	1
-46.825608089404	-24.191427150903	VS	70	1	-46.82705868273	-24.180051688373	VS	70	1
-46.82588553972	-24.191560121888	VS	70	1	-46.905624203664	-24.232022036727	VS	70	1
-46.826176766136	-24.191708914833	VS	70	1	-46.827069268568	-24.18149668575	VS	70	1
-46.826442016473	-24.191840486355	VS	70	1	-46.827029774469	-24.180669343736	VS	70	1
-46.824497076046	-24.190746978485	VS	70	1	-46.826989068908	-24.178983170309	VS	70	1
-46.824652999872	-24.190470651126	VS	70	1	-46.826930401503	-24.182402391638	VS	70	1
-46.824808809058	-24.190194500703	VS	70	1	-46.826894552939	-24.181725041703	VS	70	1
-46.824992684045	-24.189916379254	VS	100	1	-46.826813654431	-24.180227103815	VS	70	1
-46.825160795733	-24.189895891246	VS	70	1	-46.826807811991	-24.180421212732	VS	70	1
-46.82548675306	-24.190053716341	VS	70	1	-46.826729879039	-24.18145695987	VS	70	1
-46.825870065842	-24.190251838202	VS	70	1	-46.826602523059	-24.179151243508	VS	70	1
-46.826222502091	-24.190433541524	VS	70	1	-46.826588340846	-24.182467493804	VS	70	1
-46.826457383108	-24.190543272274	VS	70	1	-46.826528030512	-24.18043947145	VS	70	1
-46.82677764773	-24.190704274722	VS	70	1	-46.826558754692	-24.182636797511	VS	70	1
-46.827042575908	-24.190836647648	VS	70	1	-46.82635848474	-24.180864203139	VS	70	1
-46.824957082029	-24.192453328236	VS	70	1	-46.733862801875	-24.096515449033	VS	70	1
-46.825167512043	-24.192576275005	VS	70	1	-46.826356905573	-24.182306729231	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.825486929196	-24.192734714767	VS	70	1	-46.826047901636	-24.181773655826	VS	70	1
-46.825807616106	-24.192888302078	VS	70	1	-46.826006955945	-24.179486060948	VS	70	1
-46.826093057157	-24.193033438536	VS	70	1	-46.825917444615	-24.181551618998	VS	70	1
-46.826428843509	-24.193174050087	VS	70	1	-46.825872443322	-24.180071364029	VS	70	1
-46.826698725667	-24.193331877091	VS	100	1	-46.826029538062	-24.18198942936	VS	70	1
-46.825939779473	-24.192865330678	VS	70	1	-46.825720507346	-24.181218998135	VS	70	1
-46.826110496467	-24.192609801944	VS	70	1	-46.825815510239	-24.182161292963	VS	70	1
-46.826276207981	-24.192323877757	VS	70	1	-46.825579625886	-24.180978498865	VS	70	1
-46.826445921798	-24.192045708702	VS	70	1	-46.825644249635	-24.182295605271	VS	70	1
-46.826952808273	-24.193346933836	VS	70	1	-46.825414442666	-24.180694795236	VS	70	1
-46.827106432996	-24.193090150622	VS	70	1	-46.82523560316	-24.18038412859	VS	70	1
-46.827278253697	-24.192792563656	VS	70	1	-46.825246772873	-24.181593153747	VS	70	1
-46.827439063824	-24.192543866071	VS	70	1	-46.8253449981	-24.182525123352	VS	70	1
-46.82741897296	-24.192326749301	VS	70	1	-46.825108212765	-24.180710657839	VS	70	1
-46.827044402169	-24.192144522102	VS	70	1	-46.825043071935	-24.180049401098	VS	70	1
-46.82668024804	-24.191961488866	VS	70	1	-46.825077058915	-24.18274587956	VS	70	1
-46.827579838447	-24.192293158196	VS	70	1	-46.824969237519	-24.182528060339	VS	70	1
-46.827996531793	-24.191308327626	VS	70	1	-46.82487839232	-24.179782877496	VS	70	1
-46.827647908166	-24.191138254996	VS	70	1	-46.824872375091	-24.182305411585	VS	70	1
-46.827317904059	-24.190972325758	VS	70	1	-46.824826774597	-24.180846662528	VS	70	1
-46.827062924878	-24.191016580228	VS	70	1	-46.82483521206	-24.182499048535	VS	70	1
-46.826932822748	-24.191242037906	VS	70	1	-46.82479738042	-24.181969408896	VS	70	1
-46.826728532869	-24.191571471366	VS	70	1	-46.824736710834	-24.179556456916	VS	70	1
-46.826593311521	-24.191797139831	VS	70	1	-46.824713933026	-24.18176488072	VS	70	1
-46.879216480163	-24.234840149722	VS	100	1	-46.824565109595	-24.179016881609	VS	70	1
-46.878884948673	-24.235822406785	VS	100	1	-46.824535524742	-24.180982749079	VS	70	1
-46.826732849275	-24.189499564699	VS	70	1	-46.824569911828	-24.182590901634	VS	70	1
-46.827047536156	-24.189690508966	VS	70	1	-46.824475336755	-24.181231491456	VS	70	1
-46.827299213809	-24.18984549078	VS	70	1	-46.82435019979	-24.180928969099	VS	70	1
-46.827566991198	-24.189999885891	VS	70	1	-46.82427551199	-24.178813883935	VS	100	1
-46.827604863196	-24.190127419773	VS	70	1	-46.824244544771	-24.181127723207	VS	70	1
-46.827437815205	-24.190392121693	VS	70	1	-46.82427801668	-24.182700218912	VS	70	1
-46.827235156894	-24.190736423291	VS	70	1	-46.824225539411	-24.180644401698	VS	70	1
-46.828034459872	-24.190287973502	VS	70	1	-46.824255390269	-24.183106924844	VS	70	1
-46.828255482825	-24.190418247917	VS	70	1	-46.824100869976	-24.180359824986	VS	70	1
-46.828504111811	-24.190563118573	VS	70	1	-46.824140181297	-24.182844732874	VS	70	1
-46.828524442298	-24.190704768437	VS	70	1	-46.82403980029	-24.182793643571	VS	70	1
-46.828372150557	-24.19096578277	VS	70	1	-46.824016667823	-24.182573197781	VS	70	1
-46.828200325532	-24.191263371438	VS	70	1	-46.823912710724	-24.182333079189	VS	70	1
-46.828805298578	-24.190764040067	VS	70	1	-46.823491695909	-24.179033278288	VS	70	1
-46.829140179726	-24.19095380316	VS	70	1	-46.823488309163	-24.179711380748	VS	70	1
-46.829449401403	-24.191138047701	VS	70	1	-46.823212561806	-24.178856964821	VS	70	1
-46.829687781599	-24.191279299829	VS	70	1	-46.823208963446	-24.179526144456	VS	70	1
-46.830071099869	-24.19149117983	VS	70	1	-46.822958903515	-24.179984148911	VS	70	1
-46.830375159885	-24.191656239323	VS	70	1	-46.822946903037	-24.179349135887	VS	70	1
-46.830731660685	-24.191871332006	VS	70	1	-46.876619645759	-24.229714256422	VS	100	1
-46.829202226894	-24.191726261208	VS	70	1	-46.892858674902	-24.240380926448	VS	100	1
-46.829344049793	-24.191510219704	VS	70	1	-46.89246770641	-24.239958220374	VS	100	1
-46.8294787664	-24.191265194892	VS	70	1	-46.822602785662	-24.179115895908	VS	70	1
-46.830234987259	-24.192136408253	VS	70	1	-46.892308152275	-24.239785748462	VS	100	1
-46.828327109918	-24.191469970642	VS	70	1	-46.891942830286	-24.239874052016	VS	100	1
-46.828671146765	-24.191649653504	VS	70	1	-46.89175481144	-24.240002701171	VS	100	1
-46.828980870231	-24.191807658057	VS	70	1	-46.82255244159	-24.183402646126	VS	70	1
-46.829317491492	-24.191985125766	VS	70	1	-46.822435082777	-24.182388700899	VS	70	1
-46.829660952749	-24.192145757952	VS	70	1	-46.89155369376	-24.240145737851	VS	100	1
-46.829950428707	-24.192285426082	VS	70	1	-46.822328419922	-24.183217817128	VS	70	1
-46.830332632251	-24.192465241085	VS	70	1	-46.822301088473	-24.183565184667	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.830617621545	-24.192619887075	VS	70	1	-46.893624490466	-24.240907373438	VS	100	1
-46.828551991726	-24.192799190406	VS	70	1	-46.891366834453	-24.240269801334	VS	100	1
-46.828723026366	-24.192531648428	VS	70	1	-46.893334951057	-24.240722237205	VS	100	1
-46.828876086707	-24.192251622034	VS	70	1	-46.892250772485	-24.239645784418	VS	100	1
-46.82904845254	-24.191977263804	VS	70	1	-46.892557629531	-24.239423708139	VS	100	1
-46.830034661892	-24.192487954825	VS	70	1	-46.892803929289	-24.239238440605	VS	100	1
-46.829866690877	-24.192772568857	VS	70	1	-46.822184745771	-24.182185406017	VS	70	1
-46.829694138765	-24.19304118875	VS	70	1	-46.822128027337	-24.183049820291	VS	70	1
-46.829554262539	-24.193273458645	VS	70	1	-46.822069236802	-24.183718601924	VS	70	1
-46.827703793391	-24.192475580382	VS	70	1	-46.821934084772	-24.181964349359	VS	70	1
-46.828034716445	-24.192635457607	VS	70	1	-46.821887873744	-24.182864241378	VS	70	1
-46.828406976012	-24.192817520108	VS	70	1	-46.821749974863	-24.179145727569	VS	70	1
-46.828687218862	-24.192961815203	VS	70	1	-46.821784275854	-24.181428011835	VS	70	1
-46.829098912444	-24.193168083585	VS	70	1	-46.821703664714	-24.18225111655	VS	70	1
-46.829393551753	-24.193311320617	VS	70	1	-46.821673367123	-24.181082394255	VS	70	1
-46.829683626761	-24.193459517102	VS	70	1	-46.821657179082	-24.182660781611	VS	70	1
-46.830378248452	-24.193809346637	VS	70	1	-46.821558112981	-24.180779916231	VS	70	1
-46.827939198206	-24.19383337244	VS	70	1	-46.891100518765	-24.240488426856	VS	100	1
-46.828108579819	-24.193558735571	VS	70	1	-46.715597335846	-24.138346825107	VS	100	1
-46.82842762125	-24.193004403221	VS	70	1	-46.824243330479	-24.179603329437	VS	250	1
-46.82941162015	-24.193519717602	VS	70	1	-46.823986886597	-24.179786973995	VS	250	1
-46.829250213025	-24.193781672851	VS	70	1	-46.823688616843	-24.179903608224	VS	250	1
-46.829085734042	-24.194050702398	VS	70	1	-46.823444852816	-24.180013009952	VS	250	1
-46.852135058595	-24.217943887555	VS	100	1	-46.823079507123	-24.180174811856	VS	250	1
-46.852342969754	-24.218200274396	VS	100	1	-46.822737145859	-24.180238445918	VS	250	1
-46.851953421084	-24.217667074303	VS	100	1	-46.822501494063	-24.180221717964	VS	250	1
-46.81948100209	-24.195594223959	VS	70	1	-46.82237939994	-24.180295859588	VS	250	1
-46.818733487404	-24.195616010653	VS	70	1	-46.822017383743	-24.180325394811	VS	250	1
-46.828921669921	-24.194324774029	VS	70	1	-46.821641144321	-24.180359208986	VS	250	1
-46.827046917211	-24.193508693578	VS	70	1	-46.822821938502	-24.181073953597	VS	100	1
-46.827407873488	-24.193691070732	VS	70	1	-46.822696421035	-24.18075369435	VS	100	1
-46.827745245472	-24.193860944242	VS	70	1	-46.822581145171	-24.180451207256	VS	100	1
-46.828030679576	-24.193991056551	VS	70	1	-46.71583413889	-24.138179741342	VS	100	1
-46.82834494771	-24.194150891576	VS	70	1	-46.821494810948	-24.180214406496	VS	70	1
-46.828676730229	-24.194316219178	VS	70	1	-46.821458073973	-24.179911316118	VS	70	1
-46.824160513158	-24.193285186896	VS	150	1	-46.824517732512	-24.179408131568	VS	250	1
-46.824325444907	-24.193018808827	VS	150	1	-46.824807395034	-24.179209664152	VS	250	1
-46.818316364116	-24.195589885552	VS	70	1	-46.824026048823	-24.178646274923	VS	100	1
-46.818546625466	-24.195355415591	VS	70	1	-46.824913907829	-24.178005985995	VS	70	1
-46.818769560214	-24.195172793146	VS	70	1	-46.824664215015	-24.177829454938	VS	70	1
-46.824490800371	-24.192732787164	VS	150	1	-46.824164947604	-24.177476449146	VS	100	1
-46.824641691012	-24.192498769498	VS	150	1	-46.823766153608	-24.178451998411	VS	70	1
-46.824779449254	-24.192536296993	VS	150	1	-46.822907584989	-24.178645870134	VS	70	1
-46.823953238538	-24.193383993526	VS	70	1	-46.822613608173	-24.178442262606	VS	70	1
-46.823611091014	-24.19321821867	VS	70	1	-46.822350856897	-24.177260370758	VS	70	1
-46.818959041171	-24.194973157353	VS	70	1	-46.822344086904	-24.178256952157	VS	70	1
-46.823127564802	-24.193053610824	VS	70	1	-46.822119019046	-24.177304966316	VS	70	1
-46.823236677534	-24.192853258814	VS	70	1	-46.822091233846	-24.178767459956	VS	70	1
-46.823393262111	-24.192602953735	VS	70	1	-46.821995171111	-24.1780365626	VS	70	1
-46.823571474517	-24.192311227405	VS	70	1	-46.821831954036	-24.178599911787	VS	70	1
-46.824346089922	-24.193576449309	VS	70	1	-46.821675487958	-24.177807030136	VS	70	1
-46.824597673733	-24.193700048656	VS	70	1	-46.821572454644	-24.178423449387	VS	70	1
-46.823750458103	-24.192018430998	VS	70	1	-46.82552275604	-24.178420662543	VS	100	1
-46.824871770403	-24.193839809106	VS	70	1	-46.825223346874	-24.178217749202	VS	100	1
-46.825139550907	-24.193975248421	VS	70	1	-46.824424449582	-24.177652907357	VS	100	1
-46.825420093202	-24.19411330954	VS	70	1	-46.823895415338	-24.177291150144	VS	70	1
-46.825706059038	-24.19425838924	VS	70	1	-46.890433492298	-24.239619948307	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.826033379754	-24.194421165551	VS	70	1	-46.890104539623	-24.239420450259	VS	100	1
-46.826235742452	-24.194523666947	VS	70	1	-46.889846398405	-24.239008184138	VS	100	1
-46.825328396085	-24.193903271118	VS	70	1	-46.890879994133	-24.243122786777	VS	250	1
-46.825459318165	-24.193676368343	VS	70	1	-46.889584348571	-24.244057686469	VS	250	1
-46.825639381976	-24.193380236115	VS	70	1	-46.89376477839	-24.24386197095	VS	100	1
-46.825827076439	-24.193074629694	VS	70	1	-46.892704030321	-24.241787255603	VS	100	1
-46.826316101597	-24.19439808703	VS	70	1	-46.823506651277	-24.178275538991	VS	100	1
-46.826473438229	-24.194146924408	VS	70	1	-46.82323690835	-24.178081316104	VS	100	1
-46.826642671959	-24.193867885684	VS	70	1	-46.822967376856	-24.177896006466	VS	100	1
-46.826811778876	-24.193580350083	VS	70	1	-46.822687815209	-24.177701855938	VS	100	1
-46.826573457092	-24.194702027625	VS	70	1	-46.822398223809	-24.177498855469	VS	100	1
-46.82692462399	-24.194867575172	VS	70	1	-46.82182963974	-24.177110887621	VS	100	1
-46.827215115589	-24.195008412748	VS	70	1	-46.827355952037	-24.177414352561	VS	250	1
-46.718272079237	-24.14663088357	VS	100	1	-46.827896187808	-24.177017577048	VS	250	1
-46.893796116469	-24.23388347532	VS	70	1	-46.827616264642	-24.177216038936	VS	250	1
-46.838094245517	-24.204121020331	VS	100	1	-46.827066155928	-24.177612939303	VS	250	1
-46.827309625808	-24.194882607281	VS	70	1	-46.826796070943	-24.17781130845	VS	250	1
-46.827470747498	-24.194602136906	VS	70	1	-46.826448372154	-24.178045939343	VS	250	1
-46.827628936244	-24.194346488203	VS	70	1	-46.893747566454	-24.244029069004	VS	100	1
-46.827786897763	-24.194077885965	VS	70	1	-46.893572917429	-24.243649359453	VS	100	1
-46.827533410919	-24.195163843026	VS	70	1	-46.8933907302	-24.24344296019	VS	100	1
-46.827838536802	-24.195319245146	VS	70	1	-46.893094582423	-24.243099268946	VS	100	1
-46.828136242198	-24.195479176674	VS	70	1	-46.892975215648	-24.243889712981	VS	100	1
-46.828299747416	-24.195378587092	VS	70	1	-46.892983939067	-24.241588731917	VS	100	1
-46.828446152064	-24.195112336019	VS	70	1	-46.892818135698	-24.243717821888	VS	100	1
-46.828620122889	-24.194837463858	VS	70	1	-46.892616131957	-24.243496234194	VS	100	1
-46.828775714319	-24.19456252928	VS	70	1	-46.892434241321	-24.243283728777	VS	100	1
-46.842597926286	-24.162850731018	VS	70	1	-46.892242383566	-24.243071115995	VS	100	1
-46.82401560134	-24.19463717586	VS	70	1	-46.826226416297	-24.178208300427	VS	250	1
-46.842338357817	-24.163096819329	VS	70	1	-46.825965918613	-24.178397689236	VS	250	1
-46.828372547076	-24.195576006587	VS	70	1	-46.825782643059	-24.178532944081	VS	250	1
-46.824289687437	-24.194775485635	VS	70	1	-46.82541566992	-24.178785607646	VS	250	1
-46.824580409019	-24.194920607855	VS	70	1	-46.827828477638	-24.178285193176	VS	70	1
-46.824725573653	-24.194906830318	VS	70	1	-46.826564780953	-24.178486761747	VS	70	1
-46.824910281972	-24.194613369343	VS	70	1	-46.827789413912	-24.177694877067	VS	70	1
-46.825065736183	-24.194338643023	VS	70	1	-46.827636337172	-24.178668843681	VS	70	1
-46.825203792028	-24.194110331482	VS	70	1	-46.827557079873	-24.177428818789	VS	70	1
-46.823732869434	-24.194489729493	VS	70	1	-46.892230769523	-24.243913170734	VS	100	1
-46.823482853232	-24.195194411177	VS	70	1	-46.892066855666	-24.242876671086	VS	100	1
-46.823817574665	-24.195134230588	VS	70	1	-46.892008782292	-24.24366537191	VS	100	1
-46.824148779771	-24.195070048763	VS	70	1	-46.891912667549	-24.242373716697	VS	250	1
-46.822854427402	-24.19538734824	VS	250	1	-46.891786670313	-24.243426063037	VS	100	1
-46.822967401831	-24.195253992639	VS	250	1	-46.891662562258	-24.241477085895	VS	100	1
-46.823123992544	-24.194998206678	VS	250	1	-46.891623182842	-24.242572691366	VS	250	1
-46.823278130208	-24.194749800375	VS	250	1	-46.81750787806	-24.176207105232	VS	70	1
-46.82208672215	-24.195032133491	VS	70	1	-46.816563869499	-24.177401027343	VS	100	1
-46.822399916521	-24.195184909345	VS	70	1	-46.827567751465	-24.17846566183	VS	100	1
-46.822683412367	-24.195323390202	VS	70	1	-46.827297434288	-24.178655126528	VS	70	1
-46.823418513057	-24.194509022472	VS	150	1	-46.826766687826	-24.178717194296	VS	70	1
-46.823560702662	-24.194267076811	VS	150	1	-46.826362692251	-24.178247452214	VS	70	1
-46.823649538426	-24.194133914377	VS	150	1	-46.832801232748	-24.177596161857	VS	70	1
-46.823837732632	-24.193822509456	VS	150	1	-46.832410502937	-24.177541213414	VS	70	1
-46.824024707051	-24.193504173448	VS	150	1	-46.832134679155	-24.178629397575	VS	70	1
-46.836424147245	-24.196614006656	VS	100	1	-46.830437423061	-24.179209171638	VS	70	1
-46.836258144044	-24.19689664489	VS	100	1	-46.829974933246	-24.17731653004	VS	100	1
-46.83612254784	-24.197133799308	VS	100	1	-46.829699836664	-24.177044948381	VS	70	1
-46.823372079989	-24.194307492727	VS	70	1	-46.829669664072	-24.178313875212	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.823017026609	-24.194130236269	VS	70	1	-46.829407123317	-24.178012505121	VS	70	1
-46.822667782888	-24.193955401621	VS	70	1	-46.891573962471	-24.243177504836	VS	100	1
-46.822662821699	-24.193817374335	VS	70	1	-46.891452035969	-24.241246701044	VS	100	1
-46.822834914243	-24.19352805981	VS	70	1	-46.891401488943	-24.242743545907	VS	250	1
-46.822992249148	-24.19328252738	VS	70	1	-46.821116543514	-24.177418846459	VS	70	1
-46.822035992267	-24.194868055299	VS	70	1	-46.891198771513	-24.240973621048	VS	100	1
-46.822207502987	-24.194598470921	VS	70	1	-46.891141531957	-24.241817632987	VS	100	1
-46.822357760023	-24.194341907821	VS	70	1	-46.891090102212	-24.242952647674	VS	100	1
-46.822511452213	-24.194075539234	VS	70	1	-46.890966327864	-24.240707794111	VS	100	1
-46.813827552918	-24.184839188483	VS	70	1	-46.829415498971	-24.180382080204	VS	70	1
-46.813633141444	-24.184772063146	VS	70	1	-46.829205222134	-24.177782066833	VS	70	1
-46.814124395319	-24.183537550622	VS	70	1	-46.82903001924	-24.176951979052	VS	70	1
-46.813996955401	-24.183851993273	VS	70	1	-46.82887022611	-24.178953552051	VS	70	1
-46.813869204512	-24.184176227538	VS	70	1	-46.833232408892	-24.178782864155	VS	70	1
-46.814348704325	-24.183339093696	VS	70	1	-46.832877571572	-24.178610553592	VS	70	1
-46.813745734928	-24.184507170056	VS	70	1	-46.83262528338	-24.178326978174	VS	70	1
-46.91111948626	-24.238062096414	VS	70	1	-46.832407125204	-24.178437141655	VS	70	1
-46.751620121477	-24.16080287589	VS	100	1	-46.832075063348	-24.17747243252	VS	70	1
-46.737159605346	-24.152704186087	VS	100	1	-46.831871752587	-24.178279261422	VS	70	1
-46.737396056792	-24.152820114714	VS	100	1	-46.831815712706	-24.178556567845	VS	70	1
-46.737754571127	-24.152728101891	VS	100	1	-46.831615499632	-24.178996543561	VS	70	1
-46.738063829855	-24.152502201806	VS	100	1	-46.831413755892	-24.177325871208	VS	70	1
-46.738374095806	-24.152284100413	VS	100	1	-46.89092880738	-24.241582544493	VS	100	1
-46.844535512522	-24.168234924149	VS	70	1	-46.890820600502	-24.240686946749	VS	100	1
-46.739331521269	-24.151586974064	VS	100	1	-46.890830666494	-24.243273867682	VS	100	1
-46.739079150114	-24.151775152385	VS	100	1	-46.890733856259	-24.240441948126	VS	100	1
-46.904995900799	-24.246187678229	VS	100	1	-46.890716602077	-24.241343259111	VS	100	1
-46.909222840858	-24.244349048643	VS	100	1	-46.890588833727	-24.240849440098	VS	100	1
-46.785372476838	-24.18320639774	VS	100	1	-46.890569363937	-24.243343773467	VS	100	1
-46.763616572831	-24.16037842142	VS	70	1	-46.890598530006	-24.243005442389	VS	100	1
-46.763298537109	-24.160211233276	VS	70	1	-46.890479299222	-24.240146786907	VS	100	1
-46.763883211681	-24.161695181301	VS	100	1	-46.890514598571	-24.24111302253	VS	100	1
-46.76357801367	-24.161538150407	VS	100	1	-46.831364596747	-24.179176945587	VS	70	1
-46.763314783435	-24.161400750478	VS	100	1	-46.831207608957	-24.178277726201	VS	70	1
-46.763028939538	-24.161248025585	VS	100	1	-46.831094470159	-24.17855433391	VS	70	1
-46.762720458651	-24.161080984716	VS	100	1	-46.831065324073	-24.177264675574	VS	70	1
-46.762422520749	-24.160931519537	VS	100	1	-46.831094232112	-24.179375513457	VS	70	1
-46.762144153077	-24.160781877203	VS	100	1	-46.831073669432	-24.179944821614	VS	70	1
-46.762836108361	-24.160580421023	VS	70	1	-46.830862829084	-24.17953772215	VS	70	1
-46.762508048772	-24.160404378565	VS	70	1	-46.830851477947	-24.179687790665	VS	70	1
-46.860635795564	-24.226197819067	VS	100	1	-46.83082414717	-24.178743805303	VS	70	1
-46.909495887542	-24.243231294018	VS	100	1	-46.830639549201	-24.179448531824	VS	70	1
-46.857626145648	-24.222221596606	VS	70	1	-46.830617319891	-24.179708154383	VS	70	1
-46.822761436463	-24.190031205498	VS	100	1	-46.830544232991	-24.178942281938	VS	70	1
-46.822718438136	-24.190354665091	VS	100	1	-46.890395194888	-24.242767938153	VS	100	1
-46.822687370734	-24.190583865075	VS	100	1	-46.890397699016	-24.243465460041	VS	100	1
-46.822649403028	-24.190836569704	VS	100	1	-46.890226161235	-24.23986684757	VS	100	1
-46.82261813352	-24.191051167148	VS	100	1	-46.89029937578	-24.241065986299	VS	100	1
-46.738764728641	-24.151996267596	VS	100	1	-46.89029254053	-24.240873776765	VS	100	1
-46.738676843695	-24.152063065294	VS	100	1	-46.890172296115	-24.242528777409	VS	100	1
-46.841122774236	-24.163104353264	VS	70	1	-46.890146480697	-24.243646126119	VS	250	1
-46.904309491738	-24.237599465246	VS	100	1	-46.889975141496	-24.239587425065	VS	100	1
-46.896822195271	-24.235565221688	VS	100	1	-46.89007035414	-24.24062570914	VS	100	1
-46.778885738806	-24.171071153405	VS	70	1	-46.830485719409	-24.178270972783	VS	70	1
-46.778624766024	-24.171242617417	VS	70	1	-46.830370849881	-24.179898422271	VS	70	1
-46.921329894061	-24.231672847464	VS	100	1	-46.830074295462	-24.177104497804	VS	70	1
-46.784028960794	-24.156195147823	VS	100	1	-46.830061502067	-24.178185032187	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.784263678674	-24.173634441031	VS	100	1	-46.829893261272	-24.177593764291	VS	100	1
-46.859171505876	-24.211392841669	VS	70	1	-46.82981137779	-24.177862084766	VS	100	1
-46.858759284631	-24.211183573008	VS	70	1	-46.829713574564	-24.178184083544	VS	100	1
-46.858197579466	-24.208986829321	VS	70	1	-46.829738649043	-24.179227931699	VS	70	1
-46.812663338843	-24.188472395341	VS	100	1	-46.829739159268	-24.179973007955	VS	70	1
-46.78117467914	-24.158410490259	VS	100	1	-46.829516750488	-24.179707043453	VS	70	1
-46.788059516398	-24.157315137697	VS	100	1	-46.82943931166	-24.179435475945	VS	70	1
-46.787898681753	-24.157079218814	VS	100	1	-46.829315528783	-24.176985461806	VS	70	1
-46.787735089851	-24.156832431685	VS	100	1	-46.856594172386	-24.218973762033	VS	100	1
-46.781384736063	-24.158106573599	VS	70	1	-46.890059252971	-24.241239063444	VS	100	1
-46.781076910973	-24.158358511067	VS	100	1	-46.890079775528	-24.243427158884	VS	100	1
-46.780952057572	-24.157761998267	VS	70	1	-46.889940561407	-24.242254059713	VS	100	1
-46.781664794543	-24.157899053145	VS	70	1	-46.889770124814	-24.239353463721	VS	100	1
-46.780806783431	-24.158556811777	VS	100	1	-46.889957415845	-24.240496837557	VS	100	1
-46.780584671204	-24.158710137443	VS	100	1	-46.889888203394	-24.243223522656	VS	100	1
-46.780353234933	-24.158881334993	VS	100	1	-46.889858621098	-24.243860126184	VS	100	1
-46.733487836548	-24.15125587002	VS	250	1	-46.889807278159	-24.241426877056	VS	100	1
-46.733517215213	-24.151253158856	VS	250	1	-46.856317295566	-24.218811983343	VS	100	1
-46.733518511029	-24.151283612958	VS	250	1	-46.889778376107	-24.244049068919	VS	100	1
-46.768894503718	-24.171765605555	VS	100	1	-46.889728376042	-24.242014800619	VS	100	1
-46.771075807601	-24.166152943905	VS	100	1	-46.829294535141	-24.179449955845	VS	70	1
-46.85185233362	-24.211399818009	VS	70	1	-46.829089148692	-24.179205771351	VS	70	1
-46.821890735047	-24.186562989988	VS	100	1	-46.828972843073	-24.177507326676	VS	70	1
-46.813493791263	-24.192331679218	VS	100	1	-46.828937987921	-24.179797231312	VS	70	1
-46.775407437146	-24.177001016478	VS	100	1	-46.828908699104	-24.18073953759	VS	70	1
-46.775639691373	-24.176970516209	VS	250	1	-46.828801027294	-24.177303426258	VS	70	1
-46.791415277984	-24.153640125427	VS	100	1	-46.828619401153	-24.177099608488	VS	70	1
-46.791585323088	-24.153885924205	VS	100	1	-46.828574382611	-24.178987089802	VS	70	1
-46.791752210045	-24.154133961687	VS	100	1	-46.828435945347	-24.178448380977	VS	70	1
-46.791883881476	-24.154332007222	VS	100	1	-46.828348856231	-24.181136454059	VS	70	1
-46.792050825071	-24.154578351088	VS	100	1	-46.82821457452	-24.178192649759	VS	70	1
-46.790949524986	-24.153892023438	VS	100	1	-46.889651153168	-24.239221444369	VS	100	1
-46.791116345207	-24.154141754614	VS	100	1	-46.889710121558	-24.240218056325	VS	100	1
-46.791295501616	-24.154408722145	VS	100	1	-46.889574512462	-24.23920864132	VS	100	1
-46.791455025797	-24.154656556521	VS	100	1	-46.889574091379	-24.243229675818	VS	100	1
-46.79162743035	-24.154904746663	VS	100	1	-46.889645854261	-24.242940366358	VS	100	1
-46.790475266158	-24.154155143823	VS	100	1	-46.889566071107	-24.241607326486	VS	100	1
-46.790645814922	-24.154406808699	VS	100	1	-46.889506151104	-24.241766694977	VS	100	1
-46.790821548796	-24.154668759512	VS	100	1	-46.889546381852	-24.243792457574	VS	100	1
-46.790986350464	-24.154927018165	VS	100	1	-46.889455072532	-24.239937054311	VS	100	1
-46.791158950672	-24.155171021835	VS	100	1	-46.889371885428	-24.23915501121	VS	100	1
-46.790010342963	-24.154422063737	VS	100	1	-46.889433696891	-24.242701143621	VS	100	1
-46.790181793501	-24.154673474506	VS	100	1	-46.88618692506	-24.239439764398	VS	100	1
-46.79036298062	-24.154939895067	VS	100	1	-46.885618246461	-24.239078529581	VS	100	1
-46.790527260814	-24.155187077358	VS	100	1	-46.885358675884	-24.238902251974	VS	100	1
-46.790694422992	-24.155435682535	VS	100	1	-46.885119041745	-24.238743555066	VS	100	1
-46.789529398586	-24.1546792078	VS	100	1	-46.884839472504	-24.238558412886	VS	100	1
-46.789709126888	-24.154945723908	VS	100	1	-46.884529998705	-24.238355662585	VS	100	1
-46.815998538602	-24.182928125801	VS	100	1	-46.828001724463	-24.177943282782	VS	70	1
-46.777478232676	-24.173689405101	VS	100	1	-46.831282316224	-24.17696650535	VS	100	1
-46.777277665525	-24.17384102106	VS	100	1	-46.831238403909	-24.177180985865	VS	100	1
-46.777056796179	-24.174003631599	VS	100	1	-46.831891626375	-24.179141267199	VS	100	1
-46.7898857341	-24.155212153612	VS	100	1	-46.833182159097	-24.180241251221	VS	100	1
-46.790058194372	-24.155462754039	VS	100	1	-46.832106136449	-24.179385229449	VS	100	1
-46.790224619087	-24.155707462495	VS	100	1	-46.833655663386	-24.180763849246	VS	70	1
-46.789068704682	-24.154932122572	VS	100	1	-46.833423849977	-24.180506612084	VS	70	1
-46.789244704245	-24.155186490985	VS	100	1	-46.779068817481	-24.181655266324	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.789420662985	-24.155451100074	VS	100	1	-46.889656701433	-24.236576818226	VS	100	1
-46.789603388171	-24.155716437025	VS	100	1	-46.891329757122	-24.236359532943	VS	100	1
-46.790378774106	-24.155946115713	VS	100	1	-46.884480423261	-24.239032872131	VS	100	1
-46.79085597446	-24.155677424791	VS	100	1	-46.889320786611	-24.243412520087	VS	100	1
-46.791317445543	-24.155416700249	VS	100	1	-46.889334290085	-24.241562996607	VS	100	1
-46.791783486214	-24.155145723142	VS	100	1	-46.88925747844	-24.239432419319	VS	100	1
-46.790146705186	-24.155898256045	VS	100	1	-46.889305462238	-24.241787773443	VS	100	1
-46.790405710065	-24.155742481085	VS	100	1	-46.889324407218	-24.24355331156	VS	100	1
-46.790615200835	-24.155623852736	VS	100	1	-46.889201639542	-24.239651091546	VS	100	1
-46.790877254508	-24.155474246763	VS	100	1	-46.889211509171	-24.242453092596	VS	100	1
-46.791082645022	-24.155359272966	VS	100	1	-46.889082706636	-24.238978867088	VS	100	1
-46.791344785486	-24.155206990766	VS	100	1	-46.889122368647	-24.241332715454	VS	100	1
-46.791551772701	-24.155090644873	VS	100	1	-46.889056560486	-24.239584789957	VS	100	1
-46.791811681451	-24.154948848574	VS	100	1	-46.88914237137	-24.243556004667	VS	100	1
-46.792007368183	-24.154835796083	VS	100	1	-46.766601950748	-24.173338716959	VS	100	1
-46.792180495485	-24.154781408066	VS	100	1	-46.884781575393	-24.239232701371	VS	100	1
-46.788869644224	-24.154725044381	VS	100	1	-46.830228581499	-24.180542312784	VS	100	1
-46.789102777751	-24.154596162633	VS	100	1	-46.829862742886	-24.181463227696	VS	100	1
-46.789368750683	-24.154449859165	VS	100	1	-46.829530676335	-24.181689349521	VS	100	1
-46.789617699073	-24.154307322001	VS	100	1	-46.829321253325	-24.181919751013	VS	100	1
-46.789863343029	-24.154171743381	VS	100	1	-46.829136023891	-24.181697216173	VS	100	1
-46.790188627211	-24.15399177175	VS	100	1	-46.82895021997	-24.181550589827	VS	100	1
-46.790447573778	-24.153843928561	VS	100	1	-46.828626694741	-24.181574451492	VS	100	1
-46.790725340119	-24.153684884383	VS	100	1	-46.834559888508	-24.179243830259	VS	100	1
-46.791008651932	-24.15352989669	VS	100	1	-46.834569000779	-24.179645756917	VS	70	1
-46.791258625692	-24.153396130082	VS	100	1	-46.834249727425	-24.17931416085	VS	70	1
-46.788147194357	-24.183269863716	VS	250	1	-46.833975910611	-24.179080470245	VS	70	1
-46.787683563478	-24.183029789344	VS	250	1	-46.885069042246	-24.239413558477	VS	100	1
-46.787731527531	-24.183061653306	VS	250	1	-46.885328926764	-24.239613684705	VS	100	1
-46.787901585995	-24.18314696109	VS	250	1	-46.889030989048	-24.239218280515	VS	100	1
-46.727838990773	-24.151380512074	VS	100	1	-46.88531628018	-24.239737967916	VS	100	1
-46.827404172213	-24.202400003051	VS	70	1	-46.888910224399	-24.241093492701	VS	100	1
-46.827171952145	-24.202256552233	VS	70	1	-46.888891393001	-24.243736494609	VS	100	1
-46.826618418811	-24.201982848015	VS	70	1	-46.888698071099	-24.240854269486	VS	100	1
-46.826275798435	-24.201810292381	VS	70	1	-46.885547760979	-24.239596673146	VS	100	1
-46.826786945378	-24.202323878857	VS	70	1	-46.888659842451	-24.243907898261	VS	100	1
-46.713968180812	-24.14415137639	VS	100	1	-46.885861878568	-24.239356775377	VS	100	1
-46.71387475485	-24.143832792317	VS	100	1	-46.88846584774	-24.240597362551	VS	100	1
-46.742330112627	-24.157654478571	VS	100	1	-46.856873855668	-24.219140278185	VS	100	1
-46.742313531542	-24.157575337454	VS	100	1	-46.833608853774	-24.178922703346	VS	100	1
-46.742442675512	-24.15735855675	VS	100	1	-46.713135086727	-24.140331502525	VS	150	1
-46.742190603404	-24.157575038191	VS	100	1	-46.891085635672	-24.240014449797	VS	100	1
-46.741842755562	-24.157390170568	VS	100	1	-46.891257864231	-24.240123608992	VS	100	1
-46.741455021814	-24.157178826636	VS	100	1	-46.885530125716	-24.240508401435	VS	100	1
-46.737929840813	-24.149229571588	VS	100	1	-46.88550922143	-24.241397635168	VS	100	1
-46.769096070535	-24.160817313396	VS	100	1	-46.885040930099	-24.240191017822	VS	100	1
-46.769755154942	-24.156916580812	VS	100	1	-46.885000767045	-24.239977781454	VS	100	1
-46.769503886182	-24.157086443361	VS	100	1	-46.884761639505	-24.240014845106	VS	100	1
-46.769481247417	-24.157274962513	VS	70	1	-46.884482058857	-24.239829692711	VS	100	1
-46.769173200784	-24.157107820742	VS	70	1	-46.885270408509	-24.240332020242	VS	100	1
-46.769009532531	-24.156413082672	VS	100	1	-46.884264273829	-24.239683199438	VS	100	1
-46.768641263201	-24.157441839885	VS	100	1	-46.888211278591	-24.240310691247	VS	100	1
-46.768362903124	-24.157292209218	VS	100	1	-46.888049788066	-24.240047655423	VS	100	1
-46.768074932123	-24.157151570104	VS	100	1	-46.888108332042	-24.239205827885	VS	100	1
-46.788953894611	-24.183656361774	VS	250	1	-46.886456135292	-24.239598304905	VS	100	1
-46.74617982915	-24.1601660493	VS	100	1	-46.887812686254	-24.239793311664	VS	100	1
-46.898079260328	-24.240852278454	VS	100	1	-46.887796306534	-24.2389984161	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792978826009	-24.184847531795	VS	250	1	-46.887233232456	-24.242008225093	VS	100	1
-46.734435358019	-24.147318161343	VS	70	1	-46.830399720416	-24.177164443309	VS	70	1
-46.821996096818	-24.171372426184	VS	70	1	-46.828774513486	-24.177617586281	VS	70	1
-46.816969062534	-24.175845391366	VS	70	1	-46.828484989983	-24.177825046204	VS	70	1
-46.816708235891	-24.175650375628	VS	70	1	-46.88701145047	-24.241755385615	VS	100	1
-46.732132556061	-24.143291395532	VS	100	1	-46.887347280032	-24.239390796192	VS	100	1
-46.731862402642	-24.143489603384	VS	100	1	-46.887015462567	-24.239168384693	VS	100	1
-46.731582237129	-24.143678956581	VS	100	1	-46.886778801886	-24.241503207444	VS	100	1
-46.730965399749	-24.142758301789	VS	100	1	-46.832859064309	-24.180153487697	VS	70	1
-46.729931728533	-24.1448594613	VS	100	1	-46.736125296554	-24.155719809599	VS	100	1
-46.729651557117	-24.145048819103	VS	100	1	-46.735455038597	-24.155341871869	VS	100	1
-46.729365603928	-24.145250401282	VS	100	1	-46.735119046309	-24.155151137912	VS	100	1
-46.729101233532	-24.145436369273	VS	100	1	-46.734846101685	-24.155003612478	VS	100	1
-46.728913038104	-24.145573472542	VS	100	1	-46.828234086081	-24.178005442789	VS	70	1
-46.727722882661	-24.147864376842	VS	100	1	-46.828658340034	-24.178714346221	VS	70	1
-46.727371876067	-24.142100376004	VS	100	1	-46.828299679434	-24.179176336949	VS	70	1
-46.727260535061	-24.145395928682	VS	100	1	-46.83001989095	-24.179030989808	VS	70	1
-46.727281520907	-24.146100621868	VS	100	1	-46.829932439808	-24.178623762599	VS	70	1
-46.727211069006	-24.142213164927	VS	100	1	-46.830174658179	-24.178898879449	VS	70	1
-46.727057243895	-24.147512304342	VS	100	1	-46.829141654531	-24.179655074954	VS	70	1
-46.727020754198	-24.146280907934	VS	100	1	-46.830964429916	-24.178380881923	VS	70	1
-46.726972329091	-24.145582729666	VS	100	1	-46.830752464386	-24.178340292063	VS	70	1
-46.726967247453	-24.146941653576	VS	100	1	-46.830553602905	-24.178014250727	VS	70	1
-46.72675954419	-24.147371663657	VS	100	1	-46.831499612171	-24.178489306773	VS	70	1
-46.72675039324	-24.146470183076	VS	100	1	-46.831729793944	-24.177403724357	VS	70	1
-46.726638448992	-24.142622917255	VS	100	1	-46.886458614861	-24.242067914403	VS	100	1
-46.726696671207	-24.147122006276	VS	100	1	-46.886430392884	-24.241516486664	VS	100	1
-46.726450820614	-24.142151374306	VS	100	1	-46.886403268995	-24.238979433833	VS	100	1
-46.726469206366	-24.147214433462	VS	100	1	-46.886409925111	-24.242197217795	VS	100	1
-46.726470304604	-24.146659473263	VS	100	1	-46.886356640693	-24.241234735331	VS	100	1
-46.726358483323	-24.142821181874	VS	100	1	-46.88624670839	-24.241837630088	VS	100	1
-46.726231494364	-24.146823226508	VS	100	1	-46.886203335253	-24.241680948396	VS	100	1
-46.726108384573	-24.147057280959	VS	100	1	-46.886144710671	-24.239170777801	VS	100	1
-46.787235173012	-24.159631462297	VS	70	1	-46.828150390241	-24.180321596218	VS	70	1
-46.787191548683	-24.159354129608	VS	70	1	-46.828332450391	-24.180543260618	VS	70	1
-46.787346901383	-24.15921382292	VS	70	1	-46.828524111373	-24.180755928491	VS	70	1
-46.787127934884	-24.15895637933	VS	70	1	-46.828580566092	-24.180974059948	VS	70	1
-46.725764366379	-24.146881477688	VS	100	1	-46.828091518874	-24.180543418875	VS	70	1
-46.72563222867	-24.150770195893	VS	100	1	-46.827869199038	-24.180687893257	VS	70	1
-46.725571580386	-24.146784085751	VS	100	1	-46.829986719182	-24.1806507498	VS	70	1
-46.725261142056	-24.146628399163	VS	100	1	-46.829745410964	-24.180822151873	VS	70	1
-46.724282998119	-24.14808492936	VS	100	1	-46.82949423113	-24.180993661668	VS	70	1
-46.724306307012	-24.148512466284	VS	100	1	-46.830676217553	-24.180867379933	VS	100	1
-46.724214510633	-24.148813795028	VS	100	1	-46.886143752933	-24.242387200756	VS	100	1
-46.724203880107	-24.148585968935	VS	100	1	-46.886084636663	-24.240936606671	VS	100	1
-46.724197088278	-24.148501467376	VS	100	1	-46.885966685378	-24.241841570425	VS	100	1
-46.723899186883	-24.148351899387	VS	100	1	-46.885961779138	-24.242645698361	VS	100	1
-46.723648358637	-24.148505808373	VS	100	1	-46.885956675979	-24.242708576326	VS	100	1
-46.723311597286	-24.14808289612	VS	100	1	-46.885731184901	-24.241636785363	VS	100	1
-46.723311969826	-24.148124764508	VS	100	1	-46.88567696952	-24.242514585809	VS	100	1
-46.723320181784	-24.148320770788	VS	100	1	-46.884730343723	-24.240167358549	VS	100	1
-46.722993656116	-24.147915634973	VS	100	1	-46.884120733159	-24.240417660265	VS	100	1
-46.723132812855	-24.149142617028	VS	100	1	-46.883953886962	-24.240315924655	VS	100	1
-46.723084064597	-24.148316035263	VS	100	1	-46.883689015414	-24.240143044023	VS	100	1
-46.722926874804	-24.14340386886	VS	100	1	-46.830846900105	-24.181048040553	VS	100	1
-46.72299193059	-24.148144475322	VS	100	1	-46.83013669082	-24.181271928705	VS	100	1
-46.722631524937	-24.147725081171	VS	100	1	-46.830436774224	-24.181055171405	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.722721670357	-24.142828424126	VS	100	1	-46.828928332942	-24.181234589542	VS	100	1
-46.722854536251	-24.148992912762	VS	100	1	-46.828719119052	-24.180990488782	VS	100	1
-46.722833308853	-24.148505167501	VS	100	1	-46.828329846282	-24.181815483519	VS	100	1
-46.722666921057	-24.143587794336	VS	100	1	-46.830644620721	-24.177719185708	VS	100	1
-46.722665661362	-24.147919967128	VS	100	1	-46.830014123926	-24.182745072021	VS	100	1
-46.722591952947	-24.148676379369	VS	100	1	-46.829762864808	-24.182443181181	VS	100	1
-46.722459822852	-24.143012016714	VS	100	1	-46.829479877719	-24.182113931377	VS	100	1
-46.722576250539	-24.1488432078	VS	100	1	-46.885442181735	-24.242334668925	VS	100	1
-46.722384539992	-24.14354858371	VS	100	1	-46.885337449083	-24.241202708404	VS	100	1
-46.722431133991	-24.148097681258	VS	100	1	-46.885219984953	-24.242101832471	VS	100	1
-46.722393928684	-24.149689706714	VS	100	1	-46.885012702374	-24.241885899884	VS	100	1
-46.722236930522	-24.143327838592	VS	100	1	-46.884144572903	-24.240601863297	VS	100	1
-46.722341002403	-24.148856580041	VS	100	1	-46.88394903562	-24.240753641708	VS	100	1
-46.722209067939	-24.143201158071	VS	100	1	-46.883678853201	-24.240952122341	VS	100	1
-46.72214145216	-24.1495511923	VS	100	1	-46.883576497595	-24.240952468756	VS	100	1
-46.721996542195	-24.143345412474	VS	100	1	-46.883865057883	-24.241101881523	VS	100	1
-46.721764749698	-24.143507660919	VS	100	1	-46.829375877843	-24.182582586488	VS	70	1
-46.721862962904	-24.149392564175	VS	100	1	-46.829100757828	-24.18281759755	VS	100	1
-46.721829304076	-24.149226107672	VS	100	1	-46.829025494866	-24.183061682869	VS	70	1
-46.72160534522	-24.144353612894	VS	100	1	-46.884669609401	-24.240805711434	VS	100	1
-46.721604852368	-24.149251862336	VS	100	1	-46.884144630416	-24.241287026012	VS	100	1
-46.721475172065	-24.143714913222	VS	100	1	-46.884976785663	-24.241000898141	VS	70	1
-46.721588075877	-24.149397240077	VS	100	1	-46.887659453551	-24.239619879561	VS	100	1
-46.721278767779	-24.144535195869	VS	100	1	-46.885656336472	-24.239827856509	VS	100	1
-46.721327508539	-24.149586436337	VS	100	1	-46.885989198144	-24.240043149125	VS	100	1
-46.721175990354	-24.143931144807	VS	100	1	-46.886259661953	-24.240221416026	VS	100	1
-46.721095956151	-24.14975757813	VS	100	1	-46.895496882981	-24.244811101968	VS	100	1
-46.720927864545	-24.144343566268	VS	100	1	-46.828965412897	-24.182162386482	VS	70	1
-46.720886207708	-24.144129464899	VS	100	1	-46.828926417504	-24.182517200406	VS	100	1
-46.720648810108	-24.144201067746	VS	100	1	-46.828929921849	-24.182623262411	VS	100	1
-46.720359783359	-24.14271202249	VS	100	1	-46.828696208558	-24.182711282339	VS	70	1
-46.720362089978	-24.144053368021	VS	100	1	-46.828715538559	-24.1832819978	VS	70	1
-46.720070205909	-24.142919272064	VS	100	1	-46.828632003654	-24.18230168041	VS	70	1
-46.719780861009	-24.143135425563	VS	100	1	-46.82854881818	-24.182336357318	VS	70	1
-46.842786407217	-24.168569852784	VS	70	1	-46.828442448162	-24.183508019865	VS	70	1
-46.719491271917	-24.143342673485	VS	100	1	-46.828395546134	-24.182940777291	VS	70	1
-46.713803958242	-24.140576140485	VS	100	1	-46.828278933929	-24.182543668654	VS	70	1
-46.76420092511	-24.163613385413	VS	70	1	-46.828124317135	-24.183605094002	VS	70	1
-46.767776859583	-24.157002039896	VS	70	1	-46.828051938506	-24.183213245984	VS	70	1
-46.725284932898	-24.150612004591	VS	100	1	-46.828013171968	-24.182691685522	VS	70	1
-46.768825511628	-24.156931931884	VS	70	1	-46.892826015024	-24.246109831236	VS	100	1
-46.768487631954	-24.156755972272	VS	70	1	-46.88934552637	-24.244232600233	VS	250	1
-46.768149762813	-24.156580021314	VS	70	1	-46.895265067763	-24.244572049094	VS	100	1
-46.769824914126	-24.155613018172	VS	70	1	-46.895023102331	-24.244315337774	VS	100	1
-46.7694870359	-24.155437061053	VS	70	1	-46.894966476678	-24.245208185677	VS	100	1
-46.815964620972	-24.194427754738	VS	100	1	-46.894831453154	-24.244111650672	VS	100	1
-46.831062663639	-24.18998565267	VS	70	1	-46.89479126213	-24.244655019508	VS	100	1
-46.831314634457	-24.189769570131	VS	70	1	-46.894724387535	-24.244951335233	VS	100	1
-46.831086589475	-24.189727185766	VS	70	1	-46.894512052084	-24.244694603363	VS	100	1
-46.831316116138	-24.189946849063	VS	70	1	-46.894513482003	-24.244852936396	VS	100	1
-46.724338690891	-24.142172545861	VS	70	1	-46.894504870045	-24.245604764263	VS	100	1
-46.83155731384	-24.190176974934	VS	70	1	-46.827937838027	-24.183403431687	VS	70	1
-46.831818740079	-24.190433675105	VS	70	1	-46.827735504443	-24.183185538403	VS	70	1
-46.83082614782	-24.189478671171	VS	70	1	-46.827752099457	-24.182917783343	VS	70	1
-46.832299923441	-24.190893856067	VS	70	1	-46.832549228741	-24.185306328263	VS	70	1
-46.786423298841	-24.160862328541	VS	70	1	-46.826732955786	-24.182949734322	VS	70	1
-46.786793355385	-24.160643151702	VS	70	1	-46.832298004841	-24.185067355816	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.787153701542	-24.160420711963	VS	70	1	-46.832056823599	-24.184837232407	VS	70	1
-46.787462610696	-24.160234624528	VS	70	1	-46.832042333698	-24.184654007074	VS	70	1
-46.787704448184	-24.160082248464	VS	70	1	-46.831746670703	-24.18489447408	VS	70	1
-46.787943639838	-24.159935018906	VS	70	1	-46.894352633708	-24.244519801126	VS	100	1
-46.788272289781	-24.159733607761	VS	70	1	-46.894262360693	-24.2453301031	VS	100	1
-46.787864999645	-24.159269571432	VS	70	1	-46.894250841559	-24.245043002722	VS	100	1
-46.787546639734	-24.159449709666	VS	70	1	-46.894178745878	-24.244322508154	VS	100	1
-46.854544411722	-24.161446613703	VS	100	1	-46.894020405294	-24.245073417567	VS	100	1
-46.836174393377	-24.15804736513	VS	100	1	-46.893986883572	-24.244109897006	VS	100	1
-46.819784601943	-24.178162420441	VS	70	1	-46.893998424665	-24.245888910152	VS	100	1
-46.819485844506	-24.177986256165	VS	70	1	-46.893980581778	-24.245241554497	VS	100	1
-46.819197118644	-24.177818932124	VS	70	1	-46.893848624443	-24.244878489379	VS	100	1
-46.818908613124	-24.177660539508	VS	70	1	-46.893796343039	-24.245658575341	VS	100	1
-46.819803956949	-24.178287589313	VS	70	1	-46.893749033785	-24.24541296645	VS	100	1
-46.845773549416	-24.15880048857	VS	100	1	-46.893646496756	-24.244648108223	VS	100	1
-46.747654952672	-24.098125875305	VS	100	1	-46.831515809264	-24.185092563588	VS	70	1
-46.71101106944	-24.141877291244	VS	100	1	-46.831479854949	-24.185743000682	VS	70	1
-46.711186959657	-24.141710088248	VS	150	1	-46.831233791843	-24.185500426282	VS	70	1
-46.723962162392	-24.13250694951	VS	70	1	-46.83122031763	-24.185348839246	VS	70	1
-46.724201189904	-24.132344402184	VS	70	1	-46.830970042513	-24.185556007075	VS	70	1
-46.724318245657	-24.132376291476	VS	70	1	-46.830674526227	-24.185799991818	VS	70	1
-46.718539729335	-24.136435603356	VS	100	1	-46.893564091113	-24.245401673534	VS	100	1
-46.717286941461	-24.137305270198	VS	70	1	-46.893573106109	-24.246327166796	VS	100	1
-46.816631591322	-24.18118111837	VS	100	1	-46.893537809996	-24.244174543237	VS	100	1
-46.816463733922	-24.181428275815	VS	100	1	-46.893464890483	-24.244453265765	VS	100	1
-46.816328204611	-24.181621747925	VS	100	1	-46.89297149051	-24.245993475043	VS	100	1
-46.816045438795	-24.182025256727	VS	100	1	-46.8933722003	-24.245189024718	VS	100	1
-46.75485375169	-24.155845199856	VS	70	1	-46.893221024538	-24.244405025905	VS	100	1
-46.754683946317	-24.156122084711	VS	70	1	-46.893222431056	-24.244168010306	VS	100	1
-46.754493041391	-24.15643022395	VS	70	1	-46.893180553001	-24.244985335721	VS	100	1
-46.899327121472	-24.234084703172	VS	100	1	-46.893059259182	-24.244526207822	VS	100	1
-46.899085058797	-24.233827888618	VS	100	1	-46.827769495617	-24.185366880097	VS	70	1
-46.898852673616	-24.233562156071	VS	100	1	-46.828085118063	-24.185426906583	VS	70	1
-46.898789429365	-24.234487028957	VS	100	1	-46.893028855345	-24.244808099128	VS	100	1
-46.898557062382	-24.234221332462	VS	100	1	-46.892826634921	-24.24457759732	VS	100	1
-46.898325041757	-24.233973362627	VS	100	1	-46.892624903954	-24.244356359507	VS	100	1
-46.754767406899	-24.167214974018	VS	100	1	-46.874388997941	-24.217058609467	VS	100	1
-46.839192787934	-24.169863391993	VS	100	1	-46.892443309897	-24.244161507339	VS	100	1
-46.838958478641	-24.169026942707	VS	100	1	-46.812155486446	-24.193342175898	VS	100	1
-46.838764099361	-24.169497737798	VS	100	1	-46.830755579483	-24.184993424084	VS	70	1
-46.838728525085	-24.169260731472	VS	100	1	-46.830992691234	-24.185281456415	VS	70	1
-46.83944555777	-24.203499822257	VS	100	1	-46.830504314063	-24.184763103389	VS	70	1
-46.838524226912	-24.169308180799	VS	70	1	-46.828725555082	-24.182325333057	VS	70	1
-46.838498307784	-24.169485667733	VS	70	1	-46.827422766184	-24.183093268277	VS	100	1
-46.739630200813	-24.154661511276	VS	100	1	-46.826770314396	-24.183398514358	VS	100	1
-46.734081424458	-24.154700873075	VS	100	1	-46.826424844989	-24.203065575187	VS	70	1
-46.735073394021	-24.156677323828	VS	100	1	-46.82599699943	-24.20270432741	VS	70	1
-46.902932249303	-24.225525834995	VS	100	1	-46.825842727393	-24.202627280104	VS	70	1
-46.829107031884	-24.18714071739	VS	70	1	-46.825520783523	-24.201010965412	VS	70	1
-46.778879563971	-24.172618598878	VS	70	1	-46.824848532085	-24.203422885903	VS	70	1
-46.778414858898	-24.173144499729	VS	100	1	-46.824432838249	-24.200456289063	VS	70	1
-46.828821219643	-24.187370501899	VS	70	1	-46.824259623997	-24.202373815083	VS	70	1
-46.828561925557	-24.187596017795	VS	70	1	-46.824103229317	-24.201728716013	VS	70	1
-46.902253660103	-24.233690231237	VS	100	1	-46.823444219212	-24.203706598353	VS	70	1
-46.829206338729	-24.190052557556	VS	250	1	-46.889287358868	-24.244451110024	VS	100	1
-46.829469893705	-24.190204814247	VS	250	1	-46.889104373526	-24.244412995625	VS	250	1
-46.829738671952	-24.190365111789	VS	250	1	-46.888811445183	-24.244624277425	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.829338488879	-24.186606204724	VS	70	1	-46.888588383512	-24.244668777919	VS	250	1
-46.829611358438	-24.186871831483	VS	70	1	-46.888650789734	-24.244808608667	VS	100	1
-46.829863402611	-24.187103040794	VS	70	1	-46.888389434205	-24.24409747295	VS	100	1
-46.830084152752	-24.187332454564	VS	70	1	-46.888359072848	-24.244571387668	VS	100	1
-46.83034605026	-24.187563563606	VS	70	1	-46.888119249816	-24.244295952405	VS	100	1
-46.830577864476	-24.187790403869	VS	70	1	-46.888108731475	-24.244377086626	VS	100	1
-46.830808541319	-24.18801476934	VS	70	1	-46.827807086623	-24.202171156509	VS	70	1
-46.871272447881	-24.227110157438	VS	100	1	-46.827546144677	-24.202029487983	VS	70	1
-46.785211873717	-24.172572793683	VS	70	1	-46.827266585197	-24.201888741873	VS	70	1
-46.753200721709	-24.164032347058	VS	100	1	-46.827001957146	-24.20176218149	VS	70	1
-46.833773340387	-24.209409920291	VS	100	1	-46.826703820761	-24.201617516734	VS	70	1
-46.752384981941	-24.163583043858	VS	100	1	-46.826667631392	-24.203040284253	VS	70	1
-46.751531568005	-24.161947419286	VS	250	1	-46.826751494389	-24.20238219572	VS	70	1
-46.784948204834	-24.172243793674	VS	70	1	-46.82653656207	-24.202786771981	VS	70	1
-46.777630449767	-24.150440269342	VS	70	1	-46.868856041454	-24.185980401839	VS	100	1
-46.778125073387	-24.173342931625	VS	150	1	-46.868643791979	-24.185732243634	VS	100	1
-46.784725920611	-24.171977778227	VS	70	1	-46.868599722325	-24.186483157476	VS	100	1
-46.784484641043	-24.171738662453	VS	70	1	-46.86838174308	-24.185697268906	VS	100	1
-46.784242086491	-24.171446029714	VS	70	1	-46.868149851151	-24.185850806398	VS	100	1
-46.783980930915	-24.171163538188	VS	70	1	-46.876471712946	-24.201247059606	VS	250	1
-46.783808786569	-24.170941762106	VS	70	1	-46.826405558258	-24.201459260815	VS	70	1
-46.783606485383	-24.170693356677	VS	70	1	-46.826351246232	-24.202891772855	VS	70	1
-46.78337332912	-24.170382807529	VS	70	1	-46.82593743747	-24.201634958807	VS	70	1
-46.783118416779	-24.170091679487	VS	70	1	-46.825926855502	-24.201207199713	VS	70	1
-46.87162510364	-24.227627980979	VS	100	1	-46.825878964531	-24.20366702193	VS	70	1
-46.756147041103	-24.165971607886	VS	100	1	-46.825725870862	-24.201946580595	VS	70	1
-46.820863473898	-24.188000488056	VS	100	1	-46.825641388105	-24.202105559018	VS	70	1
-46.820720733859	-24.188188960422	VS	100	1	-46.825618795524	-24.201478017513	VS	70	1
-46.750648853561	-24.160312065448	VS	100	1	-46.825635277759	-24.203552348764	VS	70	1
-46.838376893635	-24.168425736617	VS	70	1	-46.825534735878	-24.202477960713	VS	70	1
-46.838362553936	-24.172445522786	VS	100	1	-46.737398075399	-24.155024513753	VS	100	1
-46.838258542414	-24.169719530028	VS	70	1	-46.787305661914	-24.160212936786	VS	150	1
-46.838073263226	-24.168928013314	VS	70	1	-46.787552641323	-24.160048216371	VS	150	1
-46.793646489308	-24.185898126549	VS	250	2	-46.787799075851	-24.159899762898	VS	150	1
-46.793376360092	-24.185686009708	VS	250	2	-46.787979747682	-24.159800826002	VS	150	1
-46.792885891359	-24.179692179975	VS	100	1	-46.788237581233	-24.159637666682	VS	150	1
-46.792870684997	-24.179938522145	VS	100	1	-46.788561617516	-24.159418726724	VS	150	1
-46.792865969712	-24.180152697414	VS	100	1	-46.788801565646	-24.159260066434	VS	150	1
-46.855509891587	-24.208817987093	VS	70	1	-46.789036283576	-24.159094589405	VS	150	1
-46.777859696848	-24.173286409008	VS	150	1	-46.789324202315	-24.158915562515	VS	150	1
-46.777322723991	-24.150279266281	VS	70	1	-46.789600689355	-24.159064285447	VS	150	1
-46.777026844626	-24.150135089794	VS	70	1	-46.789636482472	-24.158715489428	VS	150	1
-46.827223794062	-24.186448658869	VS	100	1	-46.789865565799	-24.158554867889	VS	150	1
-46.71336459964	-24.140454607002	VS	100	1	-46.789944219231	-24.158704630618	VS	150	1
-46.744077056588	-24.144503902624	VS	100	1	-46.790109152726	-24.158396314764	VS	150	1
-46.7342846502	-24.150346835709	VS	70	1	-46.790345619173	-24.158232551587	VS	150	1
-46.733306990926	-24.149217833333	VS	100	1	-46.861561508992	-24.216884082792	VS	70	1
-46.735027262548	-24.145710505962	VS	70	1	-46.861290919577	-24.217064679999	VS	70	1
-46.729151860089	-24.149304730878	VS	70	1	-46.790665434455	-24.158024344667	VS	150	1
-46.728833558538	-24.149185991178	VS	70	1	-46.790960724017	-24.15778706842	VS	150	1
-46.792850636445	-24.18033078644	VS	100	1	-46.791176962408	-24.15757432983	VS	150	1
-46.792717349516	-24.180068456719	VS	100	1	-46.790420694407	-24.158384469158	VS	100	1
-46.792660459461	-24.180537806377	VS	100	1	-46.790717195026	-24.158166015927	VS	150	1
-46.792468955611	-24.179945394527	VS	100	1	-46.791052156497	-24.158189049207	VS	150	1
-46.792453853898	-24.181095032284	VS	100	1	-46.791016372917	-24.157948889185	VS	150	1
-46.792393761612	-24.180450760977	VS	100	1	-46.791254037891	-24.157776394127	VS	150	1
-46.792191202106	-24.177536123862	VS	100	1	-46.866701598176	-24.227515633517	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792112593903	-24.180998333644	VS	100	1	-46.866735965189	-24.22790923878	VS	100	1
-46.792075249083	-24.180327607855	VS	100	1	-46.866543227465	-24.227660826449	VS	100	1
-46.791833634937	-24.177043704333	VS	100	1	-46.866519597544	-24.227819935297	VS	100	1
-46.790667686864	-24.176916583547	VS	100	1	-46.866589415884	-24.228029994328	VS	100	1
-46.776531918466	-24.150463460612	VS	70	1	-46.866399978549	-24.227756452887	VS	100	1
-46.775573349722	-24.109978068499	VS	100	1	-46.866432134555	-24.228129621062	VS	100	1
-46.776429807772	-24.151049354197	VS	100	1	-46.866234650663	-24.2279039357	VS	100	1
-46.776762603425	-24.1673111306411	VS	100	1	-46.866213249602	-24.228027860213	VS	100	1
-46.776753551185	-24.16743840186	VS	100	1	-46.866252532983	-24.228236881458	VS	100	1
-46.775294354051	-24.109801648393	VS	100	1	-46.866059999742	-24.227985814306	VS	100	1
-46.775143508343	-24.109155290794	VS	100	1	-46.865901663081	-24.228086142068	VS	100	1
-46.826476348689	-24.177814669065	VS	100	1	-46.866108360774	-24.228350082297	VS	100	1
-46.825189131905	-24.158176504946	VS	70	1	-46.866578902458	-24.228359336747	VS	100	1
-46.790591725334	-24.176590717003	VS	100	1	-46.866878116776	-24.228148548282	VS	100	1
-46.761527722796	-24.160447346804	VS	70	1	-46.748544955543	-24.164854199064	VS	100	1
-46.736342825423	-24.157668135396	VS	70	1	-46.749045066811	-24.165027366143	VS	100	1
-46.776111555013	-24.15087327109	VS	70	1	-46.796377357041	-24.18779353204	VS	250	1
-46.776425090478	-24.168314594639	VS	100	1	-46.796126921504	-24.187710546916	VS	250	1
-46.776384586153	-24.167257797916	VS	100	1	-46.814085012636	-24.17889463403	VS	70	1
-46.774985793745	-24.109616583308	VS	100	1	-46.813233449269	-24.178367770475	VS	70	1
-46.774944122277	-24.109433320885	VS	100	1	-46.813072930046	-24.178682934753	VS	70	1
-46.776214404775	-24.16770038997	VS	100	1	-46.812980186488	-24.178909289711	VS	70	1
-46.774754578484	-24.109702048582	VS	100	1	-46.813301371826	-24.17912335499	VS	70	1
-46.774736934356	-24.109466745934	VS	100	1	-46.813709193751	-24.179265168441	VS	70	1
-46.758549369932	-24.161362337321	VS	70	1	-46.814020741436	-24.179127020121	VS	70	1
-46.824949370137	-24.158410346057	VS	70	1	-46.819293446562	-24.201427972607	VS	150	1
-46.837822699437	-24.16871580312	VS	70	1	-46.864084438161	-24.212582747533	VS	100	1
-46.83763841947	-24.169161780498	VS	70	1	-46.896304518188	-24.235804399947	VS	70	1
-46.837408548778	-24.169379024595	VS	70	1	-46.891556864526	-24.235830047153	VS	100	1
-46.788214316469	-24.176881968645	VS	100	1	-46.911956728318	-24.23561066523	VS	70	1
-46.776046332289	-24.167087574745	VS	100	1	-46.911745021646	-24.235379282148	VS	70	1
-46.774554850443	-24.109971305233	VS	100	1	-46.814785134175	-24.197204090643	VS	250	1
-46.775761717918	-24.167239797153	VS	100	1	-46.872898481117	-24.230006590111	VS	70	1
-46.775759324739	-24.166960298886	VS	100	1	-46.872657437235	-24.230177838147	VS	70	1
-46.775712097287	-24.168043150669	VS	100	1	-46.875588100791	-24.214517335455	VS	70	1
-46.775361178414	-24.157816634254	VS	70	1	-46.902407530323	-24.225546801375	VS	70	1
-46.77552037925	-24.167411106765	VS	100	1	-46.814469949923	-24.196029988984	VS	70	1
-46.775470539998	-24.168205537451	VS	100	1	-46.90345594067	-24.238182542863	VS	100	1
-46.775028839353	-24.152799738701	VS	70	1	-46.781918960155	-24.15664670334	VS	70	1
-46.775298244529	-24.167564430584	VS	100	1	-46.782464283334	-24.156213325978	VS	70	1
-46.775228991942	-24.168367924035	VS	100	1	-46.782927630559	-24.155857195411	VS	70	1
-46.775048233986	-24.16695961908	VS	100	1	-46.783473054054	-24.15543102	VS	70	1
-46.774816497412	-24.167121934875	VS	100	1	-46.835417507282	-24.169903630034	VS	70	1
-46.774805547834	-24.167898195645	VS	100	1	-46.835308687804	-24.169674141134	VS	70	1
-46.742731648787	-24.156655353803	VS	100	1	-46.835051519108	-24.16941037211	VS	70	1
-46.758291419244	-24.161233965653	VS	70	1	-46.834791110066	-24.169131736677	VS	70	1
-46.764920604795	-24.159176633736	VS	70	1	-46.834566447479	-24.168850571582	VS	70	1
-46.76522892449	-24.159335145722	VS	70	1	-46.835679300479	-24.169638322966	VS	70	1
-46.782397760539	-24.169836055097	VS	150	1	-46.835879841622	-24.169431910546	VS	70	1
-46.791580713789	-24.183133217277	VS	250	1	-46.83610980457	-24.169184981439	VS	70	1
-46.774793734215	-24.166514593751	VS	100	1	-46.83637292744	-24.168912532357	VS	70	1
-46.774411440587	-24.157034404189	VS	100	1	-46.838306111108	-24.167036170179	VS	70	1
-46.774594579693	-24.167284171126	VS	100	1	-46.928101760798	-24.174083586085	VS	70	1
-46.774602823512	-24.168042446204	VS	100	1	-46.928100049529	-24.174438379764	VS	70	1
-46.774490182183	-24.166511588405	VS	100	1	-46.928095667408	-24.174783192499	VS	70	1
-46.774483203222	-24.16637573599	VS	100	1	-46.903829661608	-24.194262574036	VS	70	1
-46.774103261755	-24.157258043296	VS	100	1	-46.903617285218	-24.194012938127	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.774314406556	-24.167473604266	VS	100	1	-46.903375872011	-24.19372952832	VS	70	1
-46.774239034421	-24.166682966317	VS	100	1	-46.903133355974	-24.193444059799	VS	70	1
-46.774073065831	-24.167644911245	VS	100	1	-46.90289663199	-24.193162542967	VS	70	1
-46.818831078635	-24.191923145033	VS	100	1	-46.902173745449	-24.193924754205	VS	70	1
-46.818813990029	-24.19162869988	VS	100	1	-46.902355613093	-24.1941388832	VS	70	1
-46.8187962438	-24.191298713634	VS	100	1	-46.902531585079	-24.194337912707	VS	70	1
-46.818778710042	-24.190977568905	VS	100	1	-46.898043584799	-24.196501470255	VS	70	1
-46.818728989739	-24.190709906126	VS	100	1	-46.892969547015	-24.200074295356	VS	70	1
-46.81829558328	-24.190650769469	VS	100	1	-46.893880416684	-24.199449043361	VS	70	1
-46.819063723113	-24.190751949715	VS	100	1	-46.906450950085	-24.188846042504	VS	70	1
-46.819357757091	-24.190787627002	VS	100	1	-46.906653473365	-24.189094236979	VS	70	1
-46.81948861084	-24.190707481736	VS	100	1	-46.906865809699	-24.189342352583	VS	70	1
-46.819446775086	-24.191011325536	VS	100	1	-46.907078147117	-24.189590458986	VS	70	1
-46.819404553365	-24.191297180788	VS	100	1	-46.907306051678	-24.190111756117	VS	70	1
-46.819328632132	-24.191815272787	VS	100	1	-46.907559247303	-24.190394466927	VS	70	1
-46.8178918224	-24.190600317412	VS	100	1	-46.907809387369	-24.19068301019	VS	70	1
-46.836678683908	-24.158462973321	VS	100	1	-46.928460371572	-24.175049565638	VS	70	1
-46.836443350222	-24.159178950204	VS	70	1	-46.928450330588	-24.174590736902	VS	70	1
-46.836202979147	-24.158975736815	VS	100	1	-46.928440003672	-24.17416100686	VS	70	1
-46.837017757948	-24.199706943595	VS	250	1	-46.926415428915	-24.174190218995	VS	70	1
-46.773997695282	-24.166854273381	VS	100	1	-46.926417815137	-24.17460332537	VS	70	1
-46.773834903551	-24.1677591467	VS	100	1	-46.926428187394	-24.175072216085	VS	70	1
-46.773498738448	-24.164430979901	VS	100	1	-46.889297119121	-24.202541636139	VS	70	1
-46.77350519633	-24.167196947104	VS	100	1	-46.889493922525	-24.202768698085	VS	70	1
-46.773218850376	-24.157877914097	VS	100	1	-46.889719652506	-24.20303324781	VS	70	1
-46.773474272284	-24.167627217473	VS	100	1	-46.889938819995	-24.203293715808	VS	70	1
-46.773270232445	-24.164589299214	VS	100	1	-46.890176056683	-24.203535511682	VS	70	1
-46.773146350774	-24.167417344612	VS	100	1	-46.87893376669	-24.210735706391	VS	70	1
-46.772969954073	-24.158047100238	VS	100	1	-46.879176184877	-24.211010388793	VS	70	1
-46.817546960892	-24.190549418703	VS	100	1	-46.883813884879	-24.206297327449	VS	70	1
-46.817251260277	-24.190507038394	VS	100	1	-46.884026195044	-24.206545472489	VS	70	1
-46.824541958218	-24.189379494127	VS	100	1	-46.884238506004	-24.206793617336	VS	70	1
-46.817075849428	-24.190485870239	VS	100	1	-46.875735160074	-24.212055307347	VS	70	1
-46.817234931549	-24.190122346311	VS	100	1	-46.876254446492	-24.211067134367	VS	70	1
-46.819526675854	-24.190414055969	VS	100	1	-46.87779552791	-24.211097250729	VS	70	1
-46.818576825936	-24.190167118021	VS	100	1	-46.878007477009	-24.21134938825	VS	70	1
-46.818261629304	-24.190124916237	VS	100	1	-46.878213190743	-24.211604070492	VS	70	1
-46.817975887387	-24.190082486547	VS	100	1	-46.878487818475	-24.211922572361	VS	70	1
-46.817678572366	-24.190042614327	VS	100	1	-46.888395587718	-24.203254270734	VS	70	1
-46.773054568781	-24.164739878556	VS	100	1	-46.88864274366	-24.203533584077	VS	70	1
-46.772983680106	-24.167557692117	VS	100	1	-46.888879067095	-24.203817500306	VS	70	1
-46.772660080215	-24.158282066557	VS	100	1	-46.816667733508	-24.151515817132	VS	70	1
-46.772658864111	-24.165026040369	VS	100	1	-46.814814060864	-24.149538898212	VS	70	1
-46.772703711269	-24.167756044092	VS	100	1	-46.814950386431	-24.14974473659	VS	70	1
-46.772349537766	-24.158507177474	VS	100	1	-46.815045627821	-24.150046755878	VS	70	1
-46.772388719999	-24.16522432251	VS	100	1	-46.814985670097	-24.150350372154	VS	70	1
-46.772433353903	-24.167945403255	VS	100	1	-46.814800931573	-24.151234697163	VS	70	1
-46.772147175085	-24.165386704474	VS	100	1	-46.85309631508	-24.1611100497	VS	70	1
-46.771939104254	-24.165535806822	VS	100	1	-46.85278768065	-24.161335572769	VS	70	1
-46.771635881088	-24.16575615873	VS	100	1	-46.853404957984	-24.160884535127	VS	70	1
-46.771411770311	-24.162058605734	VS	100	1	-46.853723490002	-24.160658883297	VS	70	1
-46.824326667449	-24.189563680312	VS	100	1	-46.854107295474	-24.160125830193	VS	70	1
-46.741755198841	-24.15993355875	VS	100	1	-46.853888722037	-24.160422024737	VS	70	1
-46.741506718219	-24.159801512726	VS	100	1	-46.850645026467	-24.162858346269	VS	70	1
-46.823871309002	-24.17382079086	VS	100	1	-46.854078739996	-24.203382593854	VS	70	1
-46.824211299017	-24.189337601724	VS	100	1	-46.854314724719	-24.203651606713	VS	70	1
-46.771230040397	-24.163127205274	VS	100	1	-46.854567759597	-24.203935068237	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.771006003621	-24.159460596643	VS	100	1	-46.854795973096	-24.204198846688	VS	70	1
-46.771102268563	-24.162289331382	VS	100	1	-46.855016572399	-24.204447351205	VS	70	1
-46.770931614426	-24.161003217035	VS	100	1	-46.855358708955	-24.203921830019	VS	70	1
-46.770852364002	-24.162704359288	VS	100	1	-46.855636335764	-24.204234009808	VS	70	1
-46.770841670691	-24.162478662281	VS	70	1	-46.855902466049	-24.204507232241	VS	70	1
-46.770616999187	-24.15973859207	VS	100	1	-46.856155327939	-24.204785574712	VS	70	1
-46.770632454725	-24.16121956068	VS	100	1	-46.856417542997	-24.20505439805	VS	70	1
-46.770767001821	-24.166378304645	VS	100	1	-46.856638544192	-24.205303993586	VS	70	1
-46.782920213815	-24.170652891311	VS	70	1	-46.856728374099	-24.205173432658	VS	70	1
-46.782692626262	-24.170811890427	VS	70	1	-46.782598755315	-24.177596517557	VS	250	1
-46.781607290071	-24.169114940949	VS	70	1	-46.782894825975	-24.177767950423	VS	250	1
-46.781356776727	-24.169313089347	VS	70	1	-46.783162097823	-24.177917740583	VS	250	1
-46.780835259119	-24.16967385384	VS	70	1	-46.783402904708	-24.178040363069	VS	250	1
-46.835909689259	-24.158617116635	VS	100	1	-46.783682935601	-24.178214586915	VS	250	1
-46.835952435507	-24.158763535411	VS	100	1	-46.78393040166	-24.178263310858	VS	150	1
-46.836843965724	-24.200020402473	VS	250	1	-46.783795080508	-24.178447702778	VS	250	1
-46.835700799387	-24.158836430316	VS	100	1	-46.783668845926	-24.178632201992	VS	250	1
-46.835722401831	-24.158569448881	VS	100	1	-46.783532036863	-24.178831915175	VS	250	1
-46.836682459894	-24.200244721287	VS	250	1	-46.78336391025	-24.179043761251	VS	150	1
-46.835673121265	-24.159390319588	VS	70	1	-46.783203511581	-24.178832460644	VS	250	1
-46.836657505649	-24.202466811018	VS	100	1	-46.782702590488	-24.17856137233	VS	250	1
-46.770459066601	-24.156394046613	VS	100	1	-46.783280124447	-24.178224714215	VS	250	1
-46.770581610004	-24.162669855769	VS	100	1	-46.783150987163	-24.178436774746	VS	250	1
-46.770445502532	-24.162236651615	VS	100	1	-46.783023486134	-24.178616730371	VS	250	1
-46.770337283328	-24.159945846697	VS	100	1	-46.782760749406	-24.178007353687	VS	250	1
-46.77028620373	-24.160719736792	VS	100	1	-46.782597522755	-24.178257831803	VS	250	1
-46.770273407523	-24.162901318689	VS	100	1	-46.782476135903	-24.178435639275	VS	250	1
-46.823263932	-24.153213681042	VS	70	1	-46.782389784272	-24.178564785892	VS	250	1
-46.859101105939	-24.207280044903	VS	70	1	-46.794709121125	-24.192318867658	VS	250	1
-46.85887903563	-24.207031946757	VS	70	1	-46.794529437738	-24.191999456688	VS	250	1
-46.835336590189	-24.186541179307	VS	70	1	-46.888970372192	-24.226592847067	VS	100	1
-46.780872556894	-24.176114955389	VS	100	1	-46.814480322164	-24.151205656881	VS	70	1
-46.809287812971	-24.193916434195	VS	100	1	-46.863318632178	-24.210430898627	VS	70	1
-46.902819915612	-24.232616220949	VS	70	1	-46.863038793844	-24.210255726566	VS	70	1
-46.903446420114	-24.233325036752	VS	70	1	-46.86276102217	-24.21008993317	VS	70	1
-46.740222287059	-24.153481618888	VS	100	1	-46.862483362861	-24.209920689145	VS	70	1
-46.823874653721	-24.189981880996	VS	100	1	-46.865234047402	-24.211560200807	VS	70	1
-46.823880308483	-24.189289604687	VS	100	1	-46.87014299993	-24.189371962575	VS	70	1
-46.82300383468	-24.153010459207	VS	70	1	-46.869991495152	-24.189194862199	VS	70	1
-46.823792027933	-24.191650437587	VS	70	1	-46.869768116434	-24.188893251159	VS	70	1
-46.903244287775	-24.233094677278	VS	70	1	-46.869586226753	-24.188680630722	VS	70	1
-46.831474501663	-24.154986822029	VS	70	1	-46.869404077728	-24.188459004737	VS	70	1
-46.726328867583	-24.149979347759	VS	100	1	-46.869191610287	-24.188201923665	VS	70	1
-46.725463239901	-24.150610111471	VS	100	1	-46.868985968688	-24.187951735868	VS	70	1
-46.822743307064	-24.152789400489	VS	70	1	-46.868776926011	-24.187705539961	VS	70	1
-46.823615513406	-24.189249789161	VS	100	1	-46.868584308057	-24.187457220097	VS	70	1
-46.897421097624	-24.233354507595	VS	100	1	-46.868128860238	-24.186863893384	VS	70	1
-46.823543824299	-24.191536351943	VS	70	1	-46.869049119326	-24.187720205439	VS	70	1
-46.82379095286	-24.203900704566	VS	100	1	-46.869292143308	-24.187581512434	VS	70	1
-46.73810318408	-24.158531911427	VS	100	1	-46.869520950197	-24.187610534561	VS	70	1
-46.82340613348	-24.190419994115	VS	100	1	-46.869533686212	-24.187418939458	VS	70	1
-46.823038874116	-24.180296089422	VS	100	1	-46.869774965078	-24.187247468705	VS	70	1
-46.82329542109	-24.191413334591	VS	70	1	-46.869998291271	-24.187343405202	VS	70	1
-46.721510616337	-24.147176931405	VS	100	1	-46.8692886264	-24.187344700855	VS	70	1
-46.721209886901	-24.147059626134	VS	100	1	-46.868922928279	-24.186894116239	VS	70	1
-46.720613227357	-24.146724790962	VS	100	1	-46.868754849677	-24.186695890618	VS	70	1
-46.827744030449	-24.187984636991	VS	70	1	-46.869540318924	-24.186791263524	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.823181923219	-24.189193898521	VS	100	1	-46.869781564119	-24.18707639056	VS	70	1
-46.823170253804	-24.190634727429	VS	100	1	-46.86997766677	-24.187103054615	VS	70	1
-46.822808648031	-24.176676181022	VS	70	1	-46.870248176365	-24.186922422183	VS	70	1
-46.822162511119	-24.15231204982	VS	100	1	-46.870499184561	-24.186750934585	VS	70	1
-46.835162169338	-24.158965924471	VS	100	1	-46.857360086356	-24.204718917672	VS	70	1
-46.762574929675	-24.168414270142	VS	100	1	-46.857034046752	-24.204942377304	VS	70	1
-46.766183232379	-24.166516164601	VS	70	1	-46.85763411587	-24.204534848399	VS	70	1
-46.766155611038	-24.166907899791	VS	70	1	-46.856617040343	-24.203563518752	VS	70	1
-46.770076543515	-24.160126211221	VS	100	1	-46.856419052291	-24.203351616338	VS	70	1
-46.770025389467	-24.161765635977	VS	100	1	-46.856226315459	-24.203155761505	VS	70	1
-46.770024313753	-24.161652315632	VS	100	1	-46.856264591958	-24.20292299425	VS	70	1
-46.769983987181	-24.160935507363	VS	100	1	-46.856517730131	-24.202718873413	VS	70	1
-46.769956250007	-24.163132550128	VS	100	1	-46.856844255221	-24.202477818781	VS	70	1
-46.769806614486	-24.160333411942	VS	100	1	-46.857110589516	-24.202275029957	VS	70	1
-46.823020251052	-24.191281981548	VS	70	1	-46.865365170947	-24.196455620042	VS	70	1
-46.822888828604	-24.190893073669	VS	100	1	-46.865626108059	-24.196284007469	VS	70	1
-46.822839551669	-24.189455918544	VS	100	1	-46.865896701959	-24.196094290474	VS	70	1
-46.766617018609	-24.166881646766	VS	70	1	-46.863236831576	-24.197652879902	VS	70	1
-46.766874595012	-24.166698281333	VS	70	1	-46.863088968829	-24.197405751707	VS	70	1
-46.765817930626	-24.166723823315	VS	100	1	-46.86313737519	-24.198037571009	VS	70	1
-46.769646173484	-24.163351355604	VS	100	1	-46.863697108259	-24.197646199682	VS	70	1
-46.8279952587	-24.188223634816	VS	70	1	-46.864072871056	-24.197366288441	VS	70	1
-46.828226376864	-24.188444878324	VS	70	1	-46.864524091206	-24.197040244002	VS	70	1
-46.828456187015	-24.188665265241	VS	70	1	-46.864595130133	-24.197341752069	VS	70	1
-46.733706276049	-24.145372416905	VS	70	1	-46.860807434727	-24.199992359248	VS	70	1
-46.822800575254	-24.189747103058	VS	100	1	-46.861230274192	-24.200493369222	VS	70	1
-46.821882138883	-24.152082223049	VS	100	1	-46.860691347787	-24.199248844057	VS	70	1
-46.822728098386	-24.191232532224	VS	100	1	-46.86094218749	-24.19950561066	VS	70	1
-46.828069646265	-24.186836135856	VS	70	1	-46.861189567444	-24.199765131973	VS	70	1
-46.828300792072	-24.187060995213	VS	70	1	-46.861627656754	-24.20028217211	VS	70	1
-46.828542234407	-24.187291428995	VS	70	1	-46.861845992736	-24.200510968297	VS	70	1
-46.828783422155	-24.187521557973	VS	70	1	-46.860635414266	-24.199821480678	VS	70	1
-46.829034644542	-24.187769227493	VS	70	1	-46.861207837387	-24.199396546224	VS	70	1
-46.831059579478	-24.188262521131	VS	70	1	-46.861889499674	-24.199210438757	VS	70	1
-46.830893144054	-24.186657614176	VS	70	1	-46.861664814286	-24.198933341006	VS	70	1
-46.831133170841	-24.186890007038	VS	70	1	-46.861435811438	-24.198656035398	VS	70	1
-46.831358332027	-24.187102643841	VS	70	1	-46.861227192455	-24.19838979715	VS	70	1
-46.830396557839	-24.186036576605	VS	70	1	-46.862368937183	-24.198932325056	VS	70	1
-46.855059211082	-24.217911603709	VS	70	1	-46.862270609166	-24.198648963377	VS	70	1
-46.834931698291	-24.158771419145	VS	100	1	-46.862112260933	-24.198606399952	VS	70	1
-46.74997231601	-24.158657661027	VS	70	1	-46.861849520266	-24.198272591609	VS	70	1
-46.769707204495	-24.161137432502	VS	100	1	-46.861647863387	-24.197976464855	VS	70	1
-46.769678455457	-24.161358616789	VS	100	1	-46.861824357035	-24.198963287525	VS	70	1
-46.770495854484	-24.161972701853	VS	100	1	-46.867540188242	-24.195896969569	VS	70	1
-46.769647941182	-24.16192272468	VS	100	1	-46.86569535191	-24.2206671825	VS	70	1
-46.769497616217	-24.160549840648	VS	100	1	-46.904644982621	-24.228157328256	VS	70	1
-46.769485309195	-24.161138679261	VS	100	1	-46.870146660492	-24.223426563222	VS	100	1
-46.769420105596	-24.162076837474	VS	100	1	-46.869907648538	-24.223510296123	VS	100	1
-46.769405948768	-24.161354697933	VS	100	1	-46.869886831065	-24.223280949203	VS	100	1
-46.769285140694	-24.160915381985	VS	100	1	-46.870783893277	-24.186559397806	VS	70	1
-46.76924646632	-24.160721210819	VS	100	1	-46.871085816613	-24.186350024173	VS	70	1
-46.749628417698	-24.158466681263	VS	70	1	-46.8677106894	-24.186373462945	VS	70	1
-46.748154608115	-24.158330618373	VS	100	1	-46.867753661555	-24.186103273073	VS	70	1
-46.753003945301	-24.156742702285	VS	100	1	-46.867953568924	-24.185981489092	VS	70	1
-46.752655000929	-24.156984945892	VS	100	1	-46.867927980083	-24.1857318342	VS	70	1
-46.755557709027	-24.168783394207	VS	100	1	-46.868111007157	-24.185946776965	VS	70	1
-46.733495993201	-24.145122996523	VS	70	1	-46.868431656782	-24.185484223563	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.73559151139	-24.145327153662	VS	70	1	-46.868219195508	-24.185227141985	VS	70	1
-46.735775329317	-24.145545602348	VS	70	1	-46.868037266462	-24.185014438256	VS	70	1
-46.73586383925	-24.143384217816	VS	70	1	-46.867855124633	-24.1847928114	VS	70	1
-46.736211994822	-24.143139844441	VS	70	1	-46.867652700302	-24.184544576349	VS	70	1
-46.72683905966	-24.144030324546	VS	70	1	-46.867431145893	-24.184314440456	VS	70	1
-46.727101458598	-24.143844539647	VS	70	1	-46.867409288189	-24.184464564576	VS	70	1
-46.72743948222	-24.143610163761	VS	70	1	-46.868812224331	-24.185041653082	VS	70	1
-46.727748268	-24.143384911053	VS	70	1	-46.868590579478	-24.184777055523	VS	70	1
-46.728008599419	-24.143186787445	VS	70	1	-46.868351080845	-24.184492524712	VS	70	1
-46.834701439542	-24.158585827289	VS	100	1	-46.868117246529	-24.184209761345	VS	70	1
-46.769033452597	-24.163024844051	VS	100	1	-46.86794054806	-24.184103367476	VS	70	1
-46.769128723032	-24.161551831216	VS	100	1	-46.867660221407	-24.18428406315	VS	70	1
-46.769107101131	-24.160691193699	VS	100	1	-46.868210982729	-24.18392278133	VS	70	1
-46.769090492379	-24.162312147798	VS	100	1	-46.868721335467	-24.183815617951	VS	70	1
-46.768939577645	-24.157609118087	VS	70	1	-46.868923547724	-24.184054928722	VS	70	1
-46.768725539872	-24.161108735658	VS	100	1	-46.868509098738	-24.183567469299	VS	70	1
-46.769046801453	-24.163785646945	VS	100	1	-46.867664392796	-24.183671342593	VS	70	1
-46.768980599721	-24.163063468033	VS	100	1	-46.867890450715	-24.183943138788	VS	70	1
-46.768816848765	-24.161776075848	VS	100	1	-46.868750435484	-24.183552741845	VS	70	1
-46.768751410802	-24.157637762301	VS	100	1	-46.868929641738	-24.18344182687	VS	70	1
-46.768823923348	-24.162509639421	VS	100	1	-46.870422103802	-24.18505506854	VS	70	1
-46.768755399857	-24.158127872442	VS	70	1	-46.818069671166	-24.175805676518	VS	70	1
-46.768803473923	-24.164202358724	VS	100	1	-46.907833909871	-24.245582112419	VS	100	1
-46.768691241191	-24.163279727632	VS	100	1	-46.912773857736	-24.242829598711	VS	100	1
-46.768574432854	-24.157765934091	VS	100	1	-46.912522441744	-24.242688540118	VS	100	1
-46.768588204576	-24.161939486996	VS	100	1	-46.912160141131	-24.242475628224	VS	100	1
-46.768506897104	-24.15799586747	VS	70	1	-46.912773062514	-24.24295801089	VS	100	1
-46.768576523242	-24.162689009812	VS	100	1	-46.913075289948	-24.242733962093	VS	100	1
-46.768581425993	-24.163945229628	VS	100	1	-46.910482550036	-24.246238675109	VS	100	1
-46.768534928894	-24.164146419392	VS	100	1	-46.910217630005	-24.245969843338	VS	100	1
-46.768375912319	-24.160601313432	VS	70	1	-46.909970374392	-24.245705562351	VS	100	1
-46.76840126189	-24.163469219968	VS	100	1	-46.909744598304	-24.245448603875	VS	100	1
-46.768273808966	-24.158497484689	VS	100	1	-46.909502513394	-24.24519181012	VS	100	1
-46.768350002499	-24.163706024263	VS	100	1	-46.909402311877	-24.245090343534	VS	100	1
-46.768289039216	-24.162155825155	VS	100	1	-46.870144437686	-24.185039896957	VS	70	1
-46.768277063178	-24.162887425515	VS	100	1	-46.870375416057	-24.184878000044	VS	70	1
-46.768159250736	-24.157811205913	VS	70	1	-46.86996378814	-24.184516155495	VS	70	1
-46.768090937922	-24.160800420309	VS	70	1	-46.870246591016	-24.184347604414	VS	70	1
-46.76795907533	-24.158218847653	VS	100	1	-46.869839738485	-24.184372629286	VS	70	1
-46.76811182091	-24.163685539061	VS	100	1	-46.86959440338	-24.184075472167	VS	70	1
-46.767999742429	-24.162372040177	VS	100	1	-46.869352879046	-24.183785748516	VS	70	1
-46.767965578676	-24.158330227028	VS	100	1	-46.869148787599	-24.183534900396	VS	70	1
-46.767987704125	-24.163103683668	VS	100	1	-46.868961108459	-24.183304540982	VS	70	1
-46.767968345313	-24.163251641897	VS	100	1	-46.86930141377	-24.183176620284	VS	70	1
-46.767777024726	-24.158349726308	VS	100	1	-46.869542164381	-24.183037413358	VS	70	1
-46.767841241482	-24.163865967639	VS	100	1	-46.86948487254	-24.182857009453	VS	70	1
-46.767667109899	-24.158162861437	VS	100	1	-46.869720620241	-24.183142960416	VS	70	1
-46.767690549873	-24.162579524408	VS	100	1	-46.869917941751	-24.182570193264	VS	70	1
-46.767697976622	-24.163311131674	VS	100	1	-46.870112434885	-24.182815739743	VS	70	1
-46.767583257628	-24.162819693529	VS	100	1	-46.842267494336	-24.168835266871	VS	70	1
-46.767368906264	-24.158004455217	VS	100	1	-46.89154406978	-24.230803069726	VS	70	1
-46.767447035127	-24.163491420198	VS	100	1	-46.904359467377	-24.250361414569	VS	100	1
-46.767381709055	-24.162804895631	VS	100	1	-46.903408120876	-24.249391647478	VS	100	1
-46.767140793551	-24.162994036236	VS	100	1	-46.903219384646	-24.249185089982	VS	100	1
-46.76703081015	-24.157819569813	VS	100	1	-46.903787819273	-24.248935034916	VS	100	1
-46.76692567857	-24.163861092094	VS	100	1	-46.903594089835	-24.248721039782	VS	100	1
-46.766841417246	-24.163201439657	VS	100	1	-46.903889130001	-24.249850392075	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.766783554213	-24.160224436566	VS	100	1	-46.903635325027	-24.249633568489	VS	100	1
-46.766655550225	-24.164059345702	VS	100	1	-46.906045236344	-24.252316340127	VS	100	1
-46.766571053829	-24.163390788322	VS	100	1	-46.905515434799	-24.251999505258	VS	100	1
-46.766433423297	-24.164212656211	VS	100	1	-46.904271884659	-24.25126823374	VS	100	1
-46.822675041041	-24.191093391821	VS	100	1	-46.906239463696	-24.252242743234	VS	100	1
-46.821601585727	-24.15184350109	VS	70	1	-46.906299360642	-24.252259117935	VS	100	1
-46.822365006092	-24.189079481499	VS	100	1	-46.910870184238	-24.254340372727	VS	100	1
-46.82169132678	-24.186874364852	VS	100	1	-46.910792764784	-24.253750654529	VS	100	1
-46.821399821047	-24.187751147344	VS	100	1	-46.824722421526	-24.173131156229	VS	70	1
-46.82137785939	-24.187337159874	VS	100	1	-46.870245784525	-24.223250344458	VS	100	1
-46.821233332801	-24.187557536597	VS	100	1	-46.87047701723	-24.223085396528	VS	100	1
-46.821110633017	-24.187190704413	VS	100	1	-46.870710704536	-24.222918098468	VS	100	1
-46.821091391587	-24.187781797899	VS	100	1	-46.870948509518	-24.222755708539	VS	100	1
-46.766338695553	-24.163559672819	VS	100	1	-46.871189181319	-24.22258216163	VS	100	1
-46.766394536037	-24.167031872437	VS	100	1	-46.870233477717	-24.18256415783	VS	70	1
-46.766192287678	-24.164392863273	VS	100	1	-46.870895581364	-24.182136756984	VS	70	1
-46.766072958894	-24.164954147444	VS	100	1	-46.871237776933	-24.181901262895	VS	70	1
-46.766000956379	-24.165191076813	VS	100	1	-46.871600185544	-24.18166220468	VS	70	1
-46.765922136921	-24.164591132722	VS	100	1	-46.871881773715	-24.181483193685	VS	70	1
-46.765881217869	-24.16473249549	VS	100	1	-46.872102516673	-24.181566342996	VS	70	1
-46.765827855507	-24.163922636829	VS	100	1	-46.872126187649	-24.181314002604	VS	70	1
-46.765718821463	-24.165395106976	VS	100	1	-46.872407965567	-24.181135157906	VS	70	1
-46.76567129085	-24.164771357275	VS	100	1	-46.871881122947	-24.181295093807	VS	70	1
-46.765679876432	-24.164511162409	VS	100	1	-46.871654838306	-24.181041140442	VS	70	1
-46.765538284045	-24.16412996723	VS	100	1	-46.871413872945	-24.180779800907	VS	70	1
-46.820856912998	-24.187656743671	VS	100	1	-46.871170435744	-24.180499432547	VS	70	1
-46.820831218125	-24.187014188008	VS	100	1	-46.870954375322	-24.180266520533	VS	70	1
-46.820572135067	-24.186855567377	VS	100	1	-46.872662652184	-24.180962511591	VS	70	1
-46.82057798595	-24.187489355315	VS	100	1	-46.872893268681	-24.18079625393	VS	70	1
-46.765541679719	-24.166247284673	VS	100	1	-46.873125598417	-24.180578630701	VS	70	1
-46.765452055412	-24.165585418454	VS	100	1	-46.87334960829	-24.180425510322	VS	70	1
-46.76528606099	-24.164058617756	VS	70	1	-46.873569963049	-24.18028088311	VS	70	1
-46.765248792003	-24.164337245086	VS	100	1	-46.873816021796	-24.180119379313	VS	70	1
-46.820795745345	-24.200391610301	VS	250	1	-46.874054355145	-24.179957863999	VS	70	1
-46.820282997531	-24.186670434257	VS	100	1	-46.830562306845	-24.159274943947	VS	70	1
-46.820269482747	-24.187313319228	VS	100	1	-46.830242859537	-24.159005353637	VS	70	1
-46.731613182154	-24.145616454524	VS	70	1	-46.830208327834	-24.158817152834	VS	70	1
-46.731536351399	-24.145594675603	VS	100	1	-46.829978108825	-24.159065969296	VS	70	1
-46.730319660917	-24.146441967186	VS	100	1	-46.829965629612	-24.158766834101	VS	70	1
-46.730301134129	-24.152984107803	VS	100	1	-46.842120392008	-24.165552864993	VS	70	1
-46.765241760878	-24.166433608242	VS	100	1	-46.841799654982	-24.165293285637	VS	70	1
-46.765187246118	-24.165776856649	VS	100	1	-46.833915052768	-24.163449275318	VS	70	1
-46.765140371925	-24.165149978881	VS	100	1	-46.834090388132	-24.16359759967	VS	70	1
-46.765104635664	-24.163848404275	VS	70	1	-46.834307026591	-24.163772524279	VS	70	1
-46.764962847399	-24.166283674797	VS	100	1	-46.88795024539	-24.234511375689	VS	100	1
-46.764927251823	-24.165956671884	VS	100	1	-46.790645119502	-24.166123185196	VS	70	1
-46.764650608315	-24.165965574718	VS	100	1	-46.834534821476	-24.1639706638	VS	70	1
-46.764554632097	-24.166811001523	VS	100	1	-46.834700593838	-24.164123612753	VS	70	1
-46.73013614054	-24.14656817722	VS	100	1	-46.834937507169	-24.164299740378	VS	70	1
-46.729894796271	-24.146739411602	VS	100	1	-46.835443363853	-24.164729670152	VS	70	1
-46.819993822484	-24.186485272595	VS	100	1	-46.835689208748	-24.164918907121	VS	70	1
-46.820050988272	-24.189825650464	VS	100	1	-46.835921826839	-24.165101804373	VS	70	1
-46.729402502614	-24.147090868479	VS	100	1	-46.832763884301	-24.158642147074	VS	70	1
-46.729212195341	-24.144721778805	VS	100	1	-46.822627690572	-24.176908823647	VS	70	1
-46.763921810753	-24.166470990451	VS	100	1	-46.832733756995	-24.15845074001	VS	70	1
-46.763834935806	-24.167735966168	VS	100	1	-46.832975288171	-24.158221630826	VS	70	1
-46.763765156563	-24.167814173219	VS	100	1	-46.832471331862	-24.158396324152	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.763531741678	-24.167690926858	VS	100	1	-46.832197435108	-24.158148261365	VS	70	1
-46.729151493073	-24.147271125311	VS	100	1	-46.835467515195	-24.158359102634	VS	70	1
-46.728922624645	-24.144929037573	VS	100	1	-46.836763129613	-24.156375932685	VS	70	1
-46.72893895651	-24.147415380237	VS	100	1	-46.792183287714	-24.181525972171	VS	100	1
-46.725890165882	-24.151749507603	VS	100	1	-46.820710794366	-24.163388911084	VS	100	1
-46.726416605409	-24.152057482724	VS	100	1	-46.820823321945	-24.163090142722	VS	100	1
-46.819882917486	-24.188424805739	VS	100	1	-46.820935838426	-24.162794709839	VS	100	1
-46.819856356036	-24.189806779563	VS	100	1	-46.818991595344	-24.148688078008	VS	70	1
-46.819752497023	-24.188937019477	VS	100	1	-46.818749491618	-24.148928680002	VS	70	1
-46.819734828466	-24.18910881188	VS	100	1	-46.818512080599	-24.149160331175	VS	70	1
-46.819684976819	-24.187860375727	VS	100	1	-46.829768848913	-24.161970022573	VS	70	1
-46.819700500854	-24.189314299222	VS	100	1	-46.829551757909	-24.162184791705	VS	70	1
-46.7285258312	-24.149036507631	VS	70	1	-46.844546293056	-24.165152496328	VS	70	1
-46.728475467946	-24.147739864873	VS	100	1	-46.844231893119	-24.165392953014	VS	70	1
-46.728362726744	-24.145325557168	VS	100	1	-46.843925898775	-24.165608717549	VS	70	1
-46.728269269849	-24.148146011016	VS	70	1	-46.843640256574	-24.165808988033	VS	70	1
-46.728243723119	-24.147902097527	VS	100	1	-46.843847891671	-24.166088783928	VS	70	1
-46.727970105679	-24.149954018231	VS	100	1	-46.844040683092	-24.16635208058	VS	70	1
-46.727896979587	-24.148924510405	VS	100	1	-46.844275592228	-24.16613684644	VS	70	1
-46.882725422429	-24.225406617524	VS	100	1	-46.844558364442	-24.165899304559	VS	70	1
-46.762876416253	-24.162403392719	VS	100	1	-46.844835050011	-24.165648504409	VS	70	1
-46.762681138933	-24.162018484409	VS	100	1	-46.845137495595	-24.165384837098	VS	70	1
-46.762578014675	-24.162236054739	VS	100	1	-46.845377335402	-24.16517472134	VS	70	1
-46.762607078739	-24.165534382446	VS	100	1	-46.845873387452	-24.164743177906	VS	70	1
-46.819658271047	-24.189600154475	VS	100	1	-46.846632568075	-24.164089193176	VS	70	1
-46.819569705354	-24.187557868635	VS	100	1	-46.849190527701	-24.159060143253	VS	70	1
-46.819606483968	-24.18989484426	VS	100	1	-46.848989163852	-24.158840276112	VS	70	1
-46.81953538091	-24.188903916464	VS	100	1	-46.848743239271	-24.158836449637	VS	70	1
-46.819544285187	-24.188386750742	VS	100	1	-46.848423763573	-24.159040488958	VS	70	1
-46.819508592804	-24.189757176193	VS	100	1	-46.846190801489	-24.169229254589	VS	70	1
-46.752036233975	-24.157876649284	VS	70	1	-46.846348711768	-24.169354974909	VS	70	1
-46.881792322343	-24.224654053894	VS	100	1	-46.846615726153	-24.169581677675	VS	70	1
-46.881523429123	-24.224833454199	VS	100	1	-46.846889217364	-24.169809909172	VS	70	1
-46.762407967228	-24.162796554294	VS	100	1	-46.847191136341	-24.170030683846	VS	70	1
-46.762371870033	-24.162244139197	VS	100	1	-46.847475286451	-24.170245753009	VS	70	1
-46.83173116579	-24.185990758517	VS	70	1	-46.84778332003	-24.17046926311	VS	70	1
-46.832192167468	-24.186423120607	VS	70	1	-46.845954160629	-24.169019059103	VS	70	1
-46.727751484777	-24.148592038429	VS	100	1	-46.845743191493	-24.168767268695	VS	70	1
-46.727626603615	-24.149113786185	VS	100	1	-46.84587721041	-24.168222018005	VS	70	1
-46.727533106386	-24.148486520245	VS	100	1	-46.846123120285	-24.167971827773	VS	70	1
-46.727259866625	-24.148536446633	VS	100	1	-46.846377075717	-24.167702291309	VS	70	1
-46.727215097975	-24.148310430363	VS	100	1	-46.845395449825	-24.168095188169	VS	70	1
-46.72715334834	-24.149438298285	VS	100	1	-46.845171922007	-24.167797982529	VS	70	1
-46.726989500629	-24.148725721545	VS	100	1	-46.844920882484	-24.167464592222	VS	70	1
-46.726976891605	-24.14819614241	VS	70	1	-46.845397630977	-24.167673496334	VS	70	1
-46.762330798114	-24.162093986833	VS	70	1	-46.846003375218	-24.167219836319	VS	70	1
-46.762119638588	-24.162638096544	VS	100	1	-46.84630216589	-24.166994115583	VS	70	1
-46.762054284071	-24.161951517961	VS	100	1	-46.846542205996	-24.16681123257	VS	70	1
-46.726682105496	-24.150277079882	VS	100	1	-46.846380378165	-24.169021652628	VS	70	1
-46.726536585966	-24.145932355115	VS	100	1	-46.846627815779	-24.168751640589	VS	70	1
-46.726383565269	-24.150100758719	VS	100	1	-46.901621999533	-24.25019990455	VS	100	1
-46.726117142892	-24.142992410596	VS	100	1	-46.853153918076	-24.219950891397	VS	100	1
-46.819313671421	-24.18887633998	VS	100	1	-46.840414223533	-24.170484088988	VS	70	1
-46.819134614905	-24.189707627127	VS	100	1	-46.876162770955	-24.214824026726	VS	70	1
-46.726086617404	-24.149943017183	VS	100	1	-46.769907580419	-24.174138029233	VS	250	1
-46.761821112209	-24.162470690539	VS	100	1	-46.76959161479	-24.173994095494	VS	250	1
-46.761776228182	-24.163077523493	VS	100	1	-46.76929379768	-24.173853523512	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.761619379235	-24.1627756712	VS	100	1	-46.767417190197	-24.160565086945	VS	70	1
-46.761636939534	-24.162998240464	VS	100	1	-46.839138325535	-24.202724017548	VS	70	1
-46.761527208582	-24.161660936248	VS	100	1	-46.762152698124	-24.164339560902	VS	70	1
-46.725856595581	-24.143181617496	VS	100	1	-46.762420938276	-24.164144229758	VS	70	1
-46.72581719971	-24.149782324271	VS	100	1	-46.79627153654	-24.18775156112	VS	70	1
-46.725586230738	-24.14337089102	VS	100	1	-46.891806222738	-24.238214771247	VS	100	1
-46.725325681929	-24.143560096785	VS	100	1	-46.891595037955	-24.237999183435	VS	100	1
-46.725489490634	-24.149594545137	VS	100	1	-46.891461164408	-24.238846605906	VS	100	1
-46.72518262056	-24.143051415891	VS	100	1	-46.892565416155	-24.246209360242	VS	100	1
-46.725055315565	-24.143749369137	VS	100	1	-46.838745436345	-24.163578234632	VS	100	1
-46.725062087625	-24.147969716257	VS	100	1	-46.879043695906	-24.234212527831	VS	100	1
-46.724969881988	-24.146475666275	VS	100	1	-46.878018186586	-24.224076317873	VS	100	1
-46.724925739009	-24.143241724564	VS	100	1	-46.884723376022	-24.205515324426	VS	100	1
-46.724848793313	-24.142046743361	VS	100	1	-46.771616101064	-24.174907315908	VS	250	1
-46.724794765258	-24.143938573768	VS	100	1	-46.771328098778	-24.174766677502	VS	250	1
-46.81878046949	-24.189656945177	VS	100	1	-46.77104689018	-24.174665562572	VS	250	1
-46.818654328459	-24.18897071555	VS	100	1	-46.77325452307	-24.153722890859	VS	100	1
-46.818443014663	-24.189614357658	VS	100	1	-46.770722249736	-24.174515511727	VS	250	1
-46.724655682357	-24.142181936491	VS	100	1	-46.867632826833	-24.222109786321	VS	70	1
-46.761397828462	-24.162955757155	VS	100	1	-46.867459457568	-24.222022122866	VS	70	1
-46.761289267631	-24.162822361239	VS	100	1	-46.867270278253	-24.221916546717	VS	70	1
-46.760980833212	-24.162646167162	VS	100	1	-46.817930062831	-24.193452467421	VS	100	1
-46.760696584809	-24.16250078489	VS	100	1	-46.818117192859	-24.192686870326	VS	100	1
-46.87885409577	-24.224225718345	VS	70	1	-46.824512570412	-24.201224362826	VS	250	1
-46.719337388688	-24.144638402977	VS	100	1	-46.824309791669	-24.201368723732	VS	250	1
-46.724821713691	-24.149166583946	VS	100	1	-46.824097381534	-24.201513018244	VS	250	1
-46.724664976146	-24.143422006986	VS	100	1	-46.823788396287	-24.201729529913	VS	250	1
-46.724553654566	-24.144118704052	VS	100	1	-46.823508187366	-24.201919061635	VS	250	1
-46.724505324174	-24.147365041924	VS	100	1	-46.823257224913	-24.202099442178	VS	250	1
-46.7243757153	-24.14238019717	VS	100	1	-46.823021627736	-24.202003019551	VS	250	1
-46.724423583944	-24.143595872647	VS	100	1	-46.822544266587	-24.201747991763	VS	250	1
-46.724371130267	-24.141651308684	VS	100	1	-46.817752614221	-24.192636105717	VS	100	1
-46.724512830959	-24.14898119753	VS	100	1	-46.82253168696	-24.20243261119	VS	250	1
-46.724292889292	-24.144298985497	VS	100	1	-46.822349335477	-24.202341373528	VS	250	1
-46.753613428074	-24.165903737477	VS	100	1	-46.82225548708	-24.201580666063	VS	250	1
-46.818293761989	-24.189035756839	VS	100	1	-46.822032467459	-24.20215851658	VS	250	1
-46.818061516145	-24.189564292803	VS	100	1	-46.822016649947	-24.201448657012	VS	250	1
-46.817923096945	-24.189136736904	VS	100	1	-46.823440871367	-24.194771804366	VS	250	1
-46.753005619201	-24.165968087022	VS	100	1	-46.822000730905	-24.199649876408	VS	70	1
-46.724270328046	-24.147537760703	VS	100	1	-46.823402295027	-24.198561092403	VS	70	1
-46.72411455198	-24.143805352227	VS	100	1	-46.810872761438	-24.197661394889	VS	250	1
-46.724081561032	-24.141858558161	VS	100	1	-46.810105574456	-24.197348871189	VS	250	1
-46.724009125108	-24.142650429446	VS	100	1	-46.809749962043	-24.196938147025	VS	250	1
-46.724032133131	-24.144479266664	VS	100	1	-46.809839929201	-24.197528400243	VS	150	1
-46.724028975425	-24.1477089844	VS	100	1	-46.809499518622	-24.1976404767	VS	250	1
-46.723974986689	-24.145967429377	VS	100	1	-46.809444015224	-24.196363312192	VS	100	1
-46.748075751906	-24.158992369779	VS	100	1	-46.809149985365	-24.19802513168	VS	150	1
-46.748038338095	-24.159474626233	VS	100	1	-46.808263155354	-24.197993348937	VS	250	1
-46.747738108609	-24.158825289264	VS	100	1	-46.810617073433	-24.197944522106	VS	250	1
-46.747700158066	-24.159289625809	VS	100	1	-46.810427386714	-24.197125998178	VS	250	1
-46.747368967039	-24.159297119644	VS	100	1	-46.81036160759	-24.19824394666	VS	250	1
-46.747372358838	-24.159113695667	VS	100	1	-46.810117367714	-24.198505776908	VS	250	1
-46.72399489745	-24.14792637803	VS	100	1	-46.810101014645	-24.198615573202	VS	250	1
-46.723867150273	-24.14397996774	VS	100	1	-46.810011257413	-24.198225434182	VS	250	1
-46.723807946072	-24.14204957645	VS	100	1	-46.809888162951	-24.198775197476	VS	250	1
-46.723738555645	-24.142830777637	VS	100	1	-46.809802284752	-24.198792279213	VS	250	1
-46.723716185269	-24.147758831073	VS	100	1	-46.809806548851	-24.198907917684	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.723672219992	-24.147140519093	VS	100	1	-46.809751714363	-24.197924005275	VS	250	1
-46.72359337077	-24.144179004057	VS	100	1	-46.80964675794	-24.196219016251	VS	250	1
-46.723546289743	-24.142786390367	VS	100	1	-46.809556804552	-24.198550967758	VS	250	1
-46.774728001976	-24.15681099688	VS	100	1	-46.809509477185	-24.198803101496	VS	250	1
-46.817756342862	-24.189530930815	VS	100	1	-46.809468394267	-24.197790726124	VS	250	1
-46.817652035935	-24.189209718289	VS	100	1	-46.809291879385	-24.195748779579	VS	250	1
-46.730150819391	-24.143333157276	VS	100	1	-46.809307444026	-24.197409949736	VS	250	1
-46.730211480802	-24.144652267826	VS	100	1	-46.809313857839	-24.198261129996	VS	250	1
-46.730323727789	-24.149885387905	VS	100	1	-46.809216695235	-24.196522735655	VS	250	1
-46.730055460496	-24.1497445499	VS	100	1	-46.809197232572	-24.198691889205	VS	250	1
-46.729580986957	-24.143741286416	VS	100	1	-46.809105720241	-24.197188353004	VS	250	1
-46.729744397989	-24.149866020829	VS	100	1	-46.809050297947	-24.195911218048	VS	250	1
-46.729744204627	-24.14958321364	VS	100	1	-46.80901547177	-24.196682742429	VS	250	1
-46.774270980423	-24.158614271867	VS	70	1	-46.808913781375	-24.196966628958	VS	70	1
-46.723531615831	-24.142236262731	VS	100	1	-46.80891799151	-24.198178592252	VS	150	1
-46.723497212377	-24.143002001706	VS	100	1	-46.808861741816	-24.197569468944	VS	250	1
-46.7235492279	-24.146490013055	VS	100	1	-46.808854933108	-24.198572491259	VS	250	1
-46.723370940588	-24.142588172158	VS	100	1	-46.808789520261	-24.196091645884	VS	250	1
-46.72340805174	-24.147591494528	VS	100	1	-46.808729176092	-24.196859554814	VS	250	1
-46.924309065827	-24.220837191574	VS	70	1	-46.808734669448	-24.198313819919	VS	150	1
-46.729289360569	-24.143947821461	VS	100	1	-46.808681954405	-24.196709842794	VS	250	1
-46.729445211447	-24.150082268517	VS	100	1	-46.80854858483	-24.196280842406	VS	250	1
-46.729155423191	-24.15028061312	VS	100	1	-46.808552756495	-24.197785938705	VS	250	1
-46.728887209155	-24.150471006433	VS	100	1	-46.808500132594	-24.196497079441	VS	250	1
-46.728589633898	-24.145796811837	VS	100	1	-46.808487732482	-24.197021896688	VS	250	1
-46.728319479914	-24.145995012114	VS	100	1	-46.808499615149	-24.198453851859	VS	250	1
-46.728039508092	-24.146193279101	VS	100	1	-46.80834951453	-24.196321068065	VS	250	1
-46.730294758914	-24.147707283348	VS	70	1	-46.808287676988	-24.196452294794	VS	250	1
-46.907449524115	-24.234653480088	VS	100	1	-46.808217202818	-24.196160238912	VS	250	1
-46.813871979213	-24.198607047067	VS	250	1	-46.808236723113	-24.197202285836	VS	250	1
-46.723402046841	-24.147338708865	VS	100	1	-46.808228037983	-24.198352494736	VS	250	1
-46.723260883668	-24.142435357307	VS	100	1	-46.808026776708	-24.196632798834	VS	250	1
-46.723226864794	-24.143191271151	VS	100	1	-46.807975941571	-24.197382711734	VS	250	1
-46.72327885252	-24.146679280961	VS	100	1	-46.807968363493	-24.198188453003	VS	250	1
-46.723251826156	-24.146259897891	VS	100	1	-46.807756383534	-24.196822218929	VS	250	1
-46.723000537853	-24.142633480712	VS	100	1	-46.807744177151	-24.197545075505	VS	250	1
-46.722998872753	-24.146877537347	VS	100	1	-46.807746302143	-24.19794232083	VS	250	1
-46.722933675808	-24.146083715136	VS	100	1	-46.807514221533	-24.197685210405	VS	150	1
-46.817402886424	-24.189489289686	VS	100	1	-46.807447628259	-24.197047582454	VS	250	1
-46.817359792467	-24.189310120532	VS	100	1	-46.807332609773	-24.197481368238	VS	250	1
-46.817332963621	-24.189543185574	VS	100	1	-46.807198838238	-24.197205491119	VS	250	1
-46.901570745467	-24.232863241914	VS	70	1	-46.811689402574	-24.198117530191	VS	250	1
-46.899270056559	-24.236980380322	VS	250	1	-46.811066345993	-24.197402622053	VS	250	1
-46.89356446423	-24.225745151125	VS	100	1	-46.809879982889	-24.196025403992	VS	250	1
-46.891840819461	-24.234971317445	VS	70	1	-46.811451380854	-24.197839849264	VS	250	1
-46.773424479939	-24.157896008233	VS	70	1	-46.811287431646	-24.19766584434	VS	250	1
-46.727498748374	-24.146571849803	VS	100	1	-46.810662254597	-24.196937172401	VS	250	1
-46.738524368227	-24.148781514367	VS	70	1	-46.810494337376	-24.196741220996	VS	250	1
-46.727237609566	-24.146752369143	VS	100	1	-46.810101930972	-24.196273549589	VS	250	1
-46.726731809076	-24.145789637393	VS	100	1	-46.809738483023	-24.195856947893	VS	250	1
-46.726228687762	-24.142304624657	VS	100	1	-46.809486881545	-24.195600105174	VS	250	1
-46.726229735628	-24.146155576151	VS	100	1	-46.809326875331	-24.195407003405	VS	250	1
-46.824090891555	-24.1739707916	VS	100	1	-46.809116455038	-24.195230147863	VS	250	1
-46.729914188517	-24.14868858236	VS	100	1	-46.809066081825	-24.195006770235	VS	250	2
-46.72261561596	-24.145925177236	VS	100	1	-46.808851046433	-24.19518132691	VS	250	1
-46.722420726001	-24.147069260598	VS	100	1	-46.808856863811	-24.195018668733	VS	250	2
-46.722271209416	-24.14387614513	VS	100	1	-46.808698625534	-24.195292432247	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.722536932396	-24.145890666402	VS	100	1	-46.808474431698	-24.195459685508	VS	250	1
-46.722096244547	-24.146895837206	VS	100	1	-46.808221654108	-24.195632344704	VS	250	1
-46.722147055128	-24.145697692352	VS	100	1	-46.807980524773	-24.195813664096	VS	250	1
-46.721947797042	-24.145888512961	VS	100	1	-46.807742911321	-24.195984549335	VS	250	1
-46.725641014831	-24.146564600164	VS	100	1	-46.80746745633	-24.196173099243	VS	250	1
-46.725456652135	-24.142863246642	VS	100	1	-46.81749241148	-24.193045870018	VS	70	1
-46.880861302715	-24.228670107121	VS	100	1	-46.818509849053	-24.200211381464	VS	250	1
-46.87903973355	-24.227203136246	VS	100	1	-46.820584169766	-24.201359336147	VS	250	1
-46.875649115645	-24.216656016115	VS	70	1	-46.820314192065	-24.20120092664	VS	250	1
-46.874117190599	-24.226715831453	VS	100	1	-46.820010501185	-24.201043366407	VS	250	1
-46.871408480269	-24.215261920614	VS	100	1	-46.819775815182	-24.200908970814	VS	250	1
-46.871519607137	-24.228548076775	VS	100	1	-46.8218613454	-24.202871571765	VS	250	1
-46.870713623014	-24.216434475174	VS	100	1	-46.821602451848	-24.202721862444	VS	250	1
-46.870626571768	-24.222225699803	VS	100	1	-46.82101679581	-24.202392538171	VS	250	1
-46.819350516178	-24.194621661875	VS	70	1	-46.82077673963	-24.202273179164	VS	250	1
-46.865310324303	-24.209090932216	VS	250	1	-46.820520476227	-24.202123378233	VS	250	1
-46.866458748198	-24.208288058708	VS	150	1	-46.819835340371	-24.201626431844	VS	250	1
-46.816746292119	-24.177230093867	VS	100	1	-46.819905864553	-24.20133104944	VS	250	1
-46.721907151607	-24.146673962643	VS	100	1	-46.820303149664	-24.200792955677	VS	70	1
-46.721833193226	-24.145528524693	VS	100	1	-46.792616707487	-24.184550195987	VS	250	1
-46.808555717104	-24.19076025129	VS	100	1	-46.792374789605	-24.184391915762	VS	250	1
-46.80831925501	-24.191988412542	VS	100	1	-46.792131639799	-24.184195770879	VS	250	1
-46.75245051062	-24.162356302924	VS	150	1	-46.821450630737	-24.201615935171	VS	250	1
-46.81684141113	-24.191514414523	VS	100	1	-46.821737402916	-24.200451442938	VS	70	1
-46.816914361024	-24.194848104231	VS	100	1	-46.795327926005	-24.164290183199	VS	70	1
-46.868050891793	-24.221907697436	VS	70	1	-46.795082415434	-24.16151413813	VS	70	1
-46.724541633349	-24.14822584878	VS	100	1	-46.791691090092	-24.164676418063	VS	70	1
-46.723916827783	-24.148655587473	VS	100	1	-46.761450783988	-24.169664505332	VS	100	1
-46.723632623197	-24.145799646864	VS	100	1	-46.761754771581	-24.169569478454	VS	100	1
-46.723494711797	-24.149098342695	VS	100	1	-46.761728990759	-24.169805257083	VS	100	1
-46.723315092896	-24.144371494636	VS	100	1	-46.761574903704	-24.169847271377	VS	100	1
-46.723295025484	-24.145629509238	VS	100	1	-46.761934720728	-24.169291579302	VS	100	1
-46.723052853503	-24.144566463271	VS	100	1	-46.76196790236	-24.169946266863	VS	100	1
-46.722682929366	-24.145303273313	VS	100	1	-46.762256313296	-24.170104764986	VS	100	1
-46.72241715433	-24.145167226716	VS	100	1	-46.762406960563	-24.170030378519	VS	100	1
-46.722471464237	-24.149828230855	VS	100	1	-46.762596213501	-24.169734697304	VS	100	1
-46.818402993846	-24.192738200788	VS	100	1	-46.762093014794	-24.168589228115	VS	100	1
-46.721752241086	-24.146730411468	VS	100	1	-46.762351451166	-24.168738831474	VS	100	1
-46.721636000442	-24.146113730535	VS	100	1	-46.76263964425	-24.168888406162	VS	100	1
-46.721512427133	-24.145336038436	VS	100	1	-46.76210505601	-24.169022671229	VS	100	1
-46.721457976286	-24.146576893704	VS	100	1	-46.762955778868	-24.169160919037	VS	100	1
-46.721422312883	-24.145669326329	VS	100	1	-46.763226135319	-24.169196445189	VS	100	1
-46.722138500546	-24.150384083963	VS	100	1	-46.76302629963	-24.169018416016	VS	100	1
-46.721950532447	-24.150215547764	VS	100	1	-46.762776047946	-24.169447742148	VS	100	1
-46.721788444489	-24.144218630102	VS	100	1	-46.763514301786	-24.169345999661	VS	100	1
-46.721813065322	-24.150214590017	VS	100	1	-46.761212295771	-24.169541330406	VS	100	1
-46.721581212647	-24.150075436777	VS	100	1	-46.760953757106	-24.169400467319	VS	100	1
-46.858214357049	-24.207380385561	VS	100	1	-46.760635580027	-24.169233195507	VS	100	1
-46.85775399162	-24.211897321063	VS	70	1	-46.868194642105	-24.228610710001	VS	100	1
-46.846559345351	-24.156854551673	VS	70	1	-46.869726775855	-24.227509116328	VS	100	1
-46.843057806642	-24.169364926304	VS	100	6	-46.869437180153	-24.227716647124	VS	100	1
-46.838981218211	-24.16968287685	VS	100	1	-46.86919581569	-24.227888106318	VS	100	1
-46.721262853121	-24.149890327776	VS	100	1	-46.868954663928	-24.228068478998	VS	100	1
-46.720083827541	-24.143903660608	VS	100	1	-46.868703452927	-24.228240039294	VS	100	1
-46.822266912883	-24.188703020031	VS	100	1	-46.868462299556	-24.228420420009	VS	100	1
-46.822301948207	-24.188464561431	VS	100	1	-46.781503062135	-24.14661817774	VS	70	1
-46.71932500844	-24.145844159915	VS	100	1	-46.779556360335	-24.153745641917	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.719096047877	-24.146060267881	VS	100	1	-46.779320631662	-24.153069468377	VS	70	1
-46.718999133038	-24.146481432378	VS	100	1	-46.755397502527	-24.154991113469	VS	70	1
-46.71868074984	-24.146357757521	VS	100	1	-46.778977526219	-24.153789413109	VS	70	1
-46.718472172727	-24.145823837306	VS	100	1	-46.779247020391	-24.153606802633	VS	70	1
-46.71820158934	-24.14600418256	VS	100	1	-46.756214012929	-24.154070137678	VS	70	1
-46.832659434736	-24.152788223159	VS	70	1	-46.756098615495	-24.153866976072	VS	70	1
-46.830982313979	-24.155313114944	VS	70	1	-46.75589605706	-24.15418159089	VS	70	1
-46.828019488616	-24.152000304119	VS	70	1	-46.755918986357	-24.153920427837	VS	70	1
-46.823871389535	-24.158418434487	VS	70	1	-46.755736411724	-24.154447328856	VS	70	1
-46.826853165285	-24.176677688077	VS	100	1	-46.755563606301	-24.154724438069	VS	70	1
-46.827053922083	-24.176453074642	VS	100	1	-46.891669368179	-24.235247943581	VS	70	1
-46.824930087	-24.192285898881	VS	150	1	-46.891359083826	-24.235104784241	VS	70	1
-46.738162949916	-24.158486794075	VS	100	1	-46.891392309322	-24.235312097863	VS	70	1
-46.737715184547	-24.158401400747	VS	100	1	-46.891128889392	-24.235503419736	VS	70	1
-46.737058905869	-24.15805785633	VS	100	1	-46.783145961178	-24.163552537337	VS	70	1
-46.717922021213	-24.146220272543	VS	100	1	-46.783069984445	-24.16291356184	VS	70	1
-46.717695899373	-24.146404525875	VS	100	1	-46.782826580904	-24.162684592503	VS	70	1
-46.71766822929	-24.146290165187	VS	100	1	-46.89929049777	-24.223566183151	VS	70	1
-46.822047310764	-24.190356641738	VS	100	1	-46.744600404642	-24.161678375466	VS	70	1
-46.821731190171	-24.188991564322	VS	100	1	-46.910183745817	-24.237006623267	VS	70	1
-46.818941329885	-24.190217868848	VS	100	1	-46.90917180125	-24.234389519391	VS	70	1
-46.818298658786	-24.187795480094	VS	100	1	-46.908901891951	-24.234596966683	VS	70	1
-46.816177848214	-24.190363582408	VS	100	1	-46.908997775382	-24.234181058031	VS	70	1
-46.815217703657	-24.189805524511	VS	100	1	-46.908805682195	-24.233959540896	VS	70	1
-46.812835996166	-24.188711985028	VS	100	1	-46.908684527148	-24.233826682697	VS	70	1
-46.812243338466	-24.194375693482	VS	100	1	-46.910893819693	-24.232126661725	VS	70	1
-46.811279924567	-24.189971879431	VS	100	1	-46.868556633882	-24.216128856274	VS	70	1
-46.731919721131	-24.148647842252	VS	100	1	-46.780129915086	-24.177497988222	VS	100	1
-46.73188050815	-24.150661853107	VS	100	1	-46.783415191499	-24.180721837014	VS	250	1
-46.73171784029	-24.148408391198	VS	100	1	-46.783941691276	-24.180985545491	VS	250	1
-46.731640058331	-24.147503090986	VS	100	1	-46.784179990181	-24.181110505157	VS	250	1
-46.731514426377	-24.150775592491	VS	100	1	-46.783118833714	-24.180579508194	VS	250	1
-46.731505938781	-24.148160085597	VS	100	1	-46.782845984768	-24.181966310971	VS	250	1
-46.731342806184	-24.143852564671	VS	100	1	-46.782840404402	-24.180450252572	VS	250	1
-46.731314421232	-24.145756846241	VS	100	1	-46.783312609265	-24.182194716204	VS	250	1
-46.7313272123	-24.147713794902	VS	100	1	-46.78307427557	-24.18207168345	VS	250	1
-46.807605250548	-24.1935682431	VS	100	1	-46.782626780931	-24.181860468741	VS	250	1
-46.763901749659	-24.16382970432	VS	70	1	-46.889343911845	-24.235994104313	VS	100	1
-46.792230620067	-24.179831184076	VS	100	1	-46.783510426064	-24.162640986786	VS	70	1
-46.791572526855	-24.177085594456	VS	100	1	-46.868295848801	-24.216308164849	VS	70	1
-46.823265209666	-24.152070417696	VS	70	1	-46.865638845787	-24.217446741217	VS	70	1
-46.823025830139	-24.152313048822	VS	70	1	-46.866218854224	-24.212909421318	VS	70	1
-46.822795675827	-24.152537891323	VS	70	1	-46.865959558716	-24.212750798136	VS	70	1
-46.822556092007	-24.152780705241	VS	70	1	-46.935382118792	-24.201498367253	VS	70	1
-46.785213001737	-24.176426794704	VS	100	1	-46.922898291488	-24.210756574594	VS	70	1
-46.783168972285	-24.182858945903	VS	250	1	-46.922627818197	-24.210962190844	VS	70	1
-46.819455293487	-24.187291061445	VS	100	1	-46.922300898521	-24.21118798729	VS	70	1
-46.828185720221	-24.176819161515	VS	250	1	-46.922032550732	-24.211401810422	VS	70	1
-46.828399074018	-24.176679371944	VS	250	1	-46.78933586391	-24.181524882237	VS	100	1
-46.731445424405	-24.150438486673	VS	100	1	-46.78819663933	-24.181927116923	VS	150	1
-46.73103195456	-24.144066507251	VS	100	1	-46.787879365104	-24.181795649696	VS	150	1
-46.731148171592	-24.150293790946	VS	100	1	-46.787561015641	-24.181663728372	VS	250	1
-46.730821930793	-24.146099386933	VS	100	1	-46.787292542938	-24.181540480799	VS	150	1
-46.730697210448	-24.142959771981	VS	100	1	-46.787034780394	-24.181401481235	VS	150	1
-46.730859980507	-24.150144300076	VS	100	1	-46.786795498882	-24.181285360992	VS	150	1
-46.73056116807	-24.146279679772	VS	100	1	-46.786487603513	-24.18113597505	VS	150	1
-46.774714312189	-24.174001893284	VS	70	1	-46.786129588131	-24.180942349022	VS	150	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.774405561186	-24.174227198382	VS	70	1	-46.785871419471	-24.180819357478	VS	150	1
-46.775497806498	-24.173441433436	VS	70	1	-46.785576227744	-24.18064596112	VS	150	1
-46.775039822607	-24.17504028273	VS	100	1	-46.789656044423	-24.186743172085	VS	250	1
-46.761323410158	-24.167101368587	VS	100	1	-46.789943245994	-24.182066033891	VS	100	1
-46.777081827909	-24.177168027994	VS	100	1	-46.78805924318	-24.178964232419	VS	100	1
-46.766931879777	-24.165264598127	VS	100	1	-46.786996152606	-24.180236351627	VS	100	1
-46.78168642453	-24.1713043924	VS	100	1	-46.791807962678	-24.180991678029	VS	100	1
-46.781877848108	-24.171526100666	VS	70	1	-46.791741499058	-24.181506400133	VS	100	1
-46.781895932167	-24.171370196987	VS	70	1	-46.791644842869	-24.180790289851	VS	100	1
-46.794242524915	-24.17917794185	VS	100	1	-46.791464206712	-24.180985328358	VS	100	1
-46.766340282076	-24.159425205049	VS	100	1	-46.791407639694	-24.181494328329	VS	100	1
-46.764691708399	-24.164029132128	VS	100	1	-46.790075233874	-24.175038511806	VS	100	1
-46.764638474354	-24.165510544903	VS	100	1	-46.791346761641	-24.180640842083	VS	100	1
-46.763647658102	-24.161325931639	VS	100	1	-46.791256621006	-24.181413085182	VS	100	1
-46.762169154233	-24.162388372808	VS	100	1	-46.791249886167	-24.181937455539	VS	100	1
-46.761455330735	-24.166868427551	VS	100	1	-46.791243059119	-24.181672968907	VS	100	1
-46.784749909646	-24.168657168481	VS	100	1	-46.791078558441	-24.180509016471	VS	100	1
-46.784744026997	-24.168069079849	VS	70	1	-46.791081539352	-24.180970400696	VS	100	1
-46.784931044583	-24.16869789462	VS	100	1	-46.791083484328	-24.181487825443	VS	100	1
-46.785020177182	-24.168948178045	VS	100	1	-46.790795978842	-24.180954641588	VS	100	1
-46.785125533274	-24.169250778178	VS	100	1	-46.79073091299	-24.180342049695	VS	100	1
-46.721387726557	-24.146285098151	VS	100	1	-46.790729698667	-24.181472631591	VS	100	1
-46.721365533583	-24.145262621926	VS	100	1	-46.790462503488	-24.180201291795	VS	100	1
-46.721243081199	-24.146393149637	VS	100	1	-46.790471645968	-24.180939234055	VS	100	1
-46.816517039292	-24.191467782145	VS	100	1	-46.790444815591	-24.181465834093	VS	100	1
-46.816380715122	-24.190966622292	VS	100	1	-46.770460745459	-24.157592181708	VS	70	1
-46.721154105332	-24.147205639254	VS	100	1	-46.790447193577	-24.181794471035	VS	100	1
-46.910778143722	-24.244426736569	VS	100	1	-46.790284322732	-24.180396955681	VS	100	1
-46.909900360354	-24.232866551083	VS	70	1	-46.79014496836	-24.180052079253	VS	100	1
-46.909649429398	-24.233047082308	VS	70	1	-46.790164361915	-24.181457634917	VS	100	1
-46.909408323574	-24.23322752586	VS	70	1	-46.789735784901	-24.180200826788	VS	100	1
-46.767831395035	-24.157644097066	VS	70	1	-46.789751314402	-24.181835600405	VS	100	1
-46.840770618916	-24.170040383971	VS	70	1	-46.789694980986	-24.180549113487	VS	100	1
-46.841070890393	-24.170287641351	VS	70	1	-46.789651098703	-24.180886694399	VS	100	1
-46.750321054204	-24.163104461086	VS	100	1	-46.789558480394	-24.179753012909	VS	100	1
-46.819664772376	-24.150839985539	VS	70	1	-46.789539525885	-24.181596358949	VS	100	1
-46.763361424301	-24.164226242297	VS	70	1	-46.789418747149	-24.181345363208	VS	100	1
-46.763081245064	-24.1644156624	VS	70	1	-46.789279715997	-24.179585622634	VS	100	1
-46.762830512206	-24.164604855486	VS	70	1	-46.789319637045	-24.18103643651	VS	100	1
-46.762560140711	-24.164794195753	VS	70	1	-46.789172809536	-24.18079727897	VS	100	1
-46.762328601949	-24.164965413015	VS	70	1	-46.789101482094	-24.180400802378	VS	100	1
-46.827256140354	-24.188892880669	VS	250	1	-46.788996717346	-24.180124906224	VS	100	1
-46.732125336079	-24.145180043894	VS	100	1	-46.788971830492	-24.179436242143	VS	100	1
-46.72870721251	-24.147577622774	VS	100	1	-46.788891564288	-24.179831238228	VS	100	1
-46.727394905126	-24.149275991382	VS	100	1	-46.788828847328	-24.180782001072	VS	100	1
-46.722399349665	-24.146322601715	VS	100	1	-46.788785856464	-24.179511111603	VS	100	1
-46.721190675153	-24.145831487515	VS	100	1	-46.788791450442	-24.180299911878	VS	100	1
-46.719756646642	-24.147456322638	VS	100	1	-46.788569805684	-24.179232181236	VS	100	1
-46.719600726869	-24.144977193083	VS	100	1	-46.788465036591	-24.180757950778	VS	100	1
-46.762226673004	-24.165602925286	VS	100	1	-46.788404102156	-24.180285470265	VS	100	1
-46.910642891506	-24.232307194988	VS	70	1	-46.788228710946	-24.180057278236	VS	100	1
-46.784956963415	-24.169177267177	VS	100	1	-46.788114971264	-24.179808712569	VS	100	1
-46.784682275665	-24.169362112297	VS	100	1	-46.788021252531	-24.180270512047	VS	100	1
-46.785471692507	-24.170281133065	VS	100	1	-46.787981018827	-24.179550508622	VS	100	1
-46.785367866165	-24.169945126927	VS	100	1	-46.787887894411	-24.178864221035	VS	100	1
-46.785251588025	-24.169597812913	VS	100	1	-46.787856672026	-24.179274863484	VS	100	1
-46.785213121008	-24.170244520496	VS	100	1	-46.787713156343	-24.179017314362	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.783662972743	-24.169423044166	VS	100	1	-46.787716406972	-24.180254925876	VS	100	1
-46.782268047075	-24.170408070645	VS	100	1	-46.787640116934	-24.178839206118	VS	100	1
-46.867889611087	-24.226387803266	VS	100	1	-46.787570477075	-24.180035509507	VS	100	1
-46.718179792774	-24.144210835856	VS	100	1	-46.787436310405	-24.179759943909	VS	100	1
-46.717790171515	-24.142242101037	VS	100	1	-46.787400440558	-24.180237724008	VS	100	1
-46.765349162587	-24.162775217238	VS	70	1	-46.787291519448	-24.179448850601	VS	100	1
-46.867201560706	-24.217095313811	VS	100	1	-46.787168006248	-24.179208867433	VS	100	1
-46.866951598124	-24.217275166285	VS	100	1	-46.787085239095	-24.179031030687	VS	100	1
-46.870096952807	-24.226596278236	VS	70	1	-46.786965563102	-24.180097284321	VS	100	1
-46.870647624247	-24.226217089372	VS	70	1	-46.786831181113	-24.179812768732	VS	100	1
-46.767503333667	-24.15746806544	VS	70	1	-46.786696789821	-24.179528252828	VS	100	1
-46.907420513523	-24.230961681233	VS	100	1	-46.787679860053	-24.181644721779	VS	100	1
-46.820026557351	-24.1943061048	VS	70	1	-46.787565774436	-24.181395325676	VS	100	1
-46.865034718217	-24.209299397896	VS	250	1	-46.78744166259	-24.181128666327	VS	100	1
-46.865364624267	-24.208963628162	VS	70	1	-46.787317505057	-24.180861915507	VS	100	1
-46.86588088939	-24.208694712749	VS	250	1	-46.787864622478	-24.180717749866	VS	100	1
-46.866167170653	-24.208487103438	VS	250	1	-46.788219913998	-24.180740547045	VS	100	1
-46.866518975116	-24.208123614529	VS	70	1	-46.787532073302	-24.180711070402	VS	100	1
-46.877689049027	-24.224430149978	VS	100	1	-46.78719315003	-24.180586242587	VS	100	1
-46.767165455	-24.157292102951	VS	70	1	-46.787068474161	-24.180334082847	VS	100	1
-46.841321232109	-24.170490914977	VS	70	1	-46.789995931129	-24.181291719619	VS	100	1
-46.841571796116	-24.170703111346	VS	70	1	-46.791259247856	-24.181179414486	VS	100	1
-46.841812300639	-24.170906431208	VS	70	1	-46.787484615138	-24.182442378443	VS	250	1
-46.841325274143	-24.171087409578	VS	70	1	-46.78654833487	-24.181771544911	VS	150	1
-46.841066210742	-24.171339376829	VS	70	1	-46.786356810647	-24.182075915395	VS	150	1
-46.840797609897	-24.1715911551	VS	70	1	-46.786177655232	-24.182389652766	VS	150	1
-46.840539078799	-24.17186087057	VS	70	1	-46.786006882871	-24.182672301239	VS	150	1
-46.907680826524	-24.230763228661	VS	100	1	-46.769118699751	-24.158529937806	VS	70	1
-46.867690642111	-24.207297296921	VS	70	1	-46.785854926608	-24.182940423185	VS	150	1
-46.867929758347	-24.207573085565	VS	70	1	-46.785666633955	-24.183252500189	VS	150	1
-46.868260300662	-24.206887887259	VS	70	1	-46.746780452103	-24.158807202038	VS	100	1
-46.868044452882	-24.206626724758	VS	70	1	-46.741808041433	-24.157898760359	VS	100	1
-46.869371129313	-24.206101917622	VS	70	1	-46.740623167985	-24.158430577627	VS	100	1
-46.869160258858	-24.205844877018	VS	70	1	-46.740021623658	-24.15947498253	VS	100	1
-46.869984197384	-24.205680046474	VS	70	1	-46.740414746555	-24.158898435799	VS	100	1
-46.869616114614	-24.206384463155	VS	70	1	-46.738844046542	-24.157479756462	VS	100	1
-46.843992720682	-24.155326143494	VS	70	1	-46.747011925952	-24.158927793046	VS	100	1
-46.84390794957	-24.15503353573	VS	70	1	-46.746500943863	-24.159271751404	VS	100	1
-46.843821407194	-24.154738589509	VS	70	1	-46.7440534169	-24.157354694771	VS	100	1
-46.843677745328	-24.15492845499	VS	70	1	-46.743742086966	-24.157189396487	VS	100	1
-46.843356164671	-24.155009598661	VS	70	1	-46.743396850209	-24.157009879299	VS	100	1
-46.843008680736	-24.155069549888	VS	70	1	-46.743068617936	-24.156824877514	VS	100	1
-46.730799438029	-24.147326429055	VS	100	1	-46.742909132397	-24.156625911938	VS	100	1
-46.870917951567	-24.226027578894	VS	70	1	-46.742776394617	-24.156832315181	VS	100	1
-46.871197909722	-24.225829051607	VS	70	1	-46.743003710877	-24.156473562282	VS	100	1
-46.824729024982	-24.158635116872	VS	70	1	-46.742411308559	-24.156483959298	VS	100	1
-46.824489050622	-24.15886004337	VS	70	1	-46.742644036493	-24.157047392692	VS	100	1
-46.824268380018	-24.159085101942	VS	70	1	-46.742467544278	-24.157123895345	VS	100	1
-46.783913894734	-24.176842154275	VS	100	1	-46.742198911394	-24.15697895452	VS	100	1
-46.78365558694	-24.176710266693	VS	100	1	-46.742795118286	-24.157299711333	VS	100	1
-46.78335604503	-24.176551171996	VS	100	1	-46.743093282034	-24.157458161365	VS	100	1
-46.783007627975	-24.176401460489	VS	100	1	-46.743441142143	-24.157643026673	VS	100	1
-46.87022775133	-24.205966456304	VS	70	1	-46.743739278779	-24.157801456817	VS	100	1
-46.870460968014	-24.206239971254	VS	70	1	-46.743184728492	-24.15810335503	VS	100	1
-46.871488274169	-24.225630067016	VS	70	1	-46.742886563228	-24.157944904963	VS	100	1
-46.871753452696	-24.225435816564	VS	70	1	-46.742618253474	-24.157804075696	VS	100	1
-46.898844948881	-24.238795115477	VS	100	1	-46.741310475319	-24.156992231757	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.783409777129	-24.174250646779	VS	100	1	-46.7416227562	-24.156695638389	VS	100	1
-46.77418171187	-24.158774058972	VS	70	1	-46.741635642687	-24.156775658906	VS	100	1
-46.773979927313	-24.158543564105	VS	70	1	-46.741896368634	-24.156534663915	VS	100	1
-46.841418147955	-24.163993219538	VS	70	1	-46.741574138515	-24.156384130719	VS	100	1
-46.841178418742	-24.164227089226	VS	70	1	-46.742311792622	-24.15814373815	VS	100	1
-46.782129736451	-24.171800702318	VS	70	1	-46.74227364414	-24.158079689922	VS	100	1
-46.767337617984	-24.161350822008	VS	70	1	-46.741997898651	-24.157937921471	VS	100	1
-46.767134442745	-24.16149874669	VS	70	1	-46.741806495364	-24.157833184069	VS	100	1
-46.910402004307	-24.232496563801	VS	70	1	-46.742571613399	-24.158229228431	VS	100	1
-46.769308172657	-24.159935752414	VS	70	1	-46.742801780336	-24.159257218255	VS	100	1
-46.837159172776	-24.16962189982	VS	70	1	-46.778919289714	-24.156664035293	VS	70	1
-46.80917280051	-24.191400231449	VS	100	1	-46.742151246097	-24.159276779228	VS	100	1
-46.818659086766	-24.192771935511	VS	100	1	-46.741866394138	-24.159117725551	VS	100	1
-46.81891539957	-24.192814592677	VS	100	1	-46.741818671162	-24.158907954776	VS	100	1
-46.808658308996	-24.191197689741	VS	100	1	-46.741918959516	-24.158748571498	VS	100	1
-46.822431516412	-24.152906579013	VS	70	1	-46.742114803309	-24.158447144212	VS	100	1
-46.822230311646	-24.153087846387	VS	70	1	-46.741616209055	-24.158976391407	VS	100	1
-46.779692127271	-24.17391402755	VS	70	1	-46.741334996742	-24.158824650975	VS	100	1
-46.779933187499	-24.173733841922	VS	70	1	-46.741015425394	-24.158644818183	VS	100	1
-46.780232366919	-24.173517491084	VS	100	1	-46.740295152214	-24.158254483152	VS	100	1
-46.780521585297	-24.173301296196	VS	70	1	-46.740010432123	-24.158103435843	VS	100	1
-46.781293632051	-24.172742388026	VS	70	1	-46.739668967128	-24.157919941	VS	100	1
-46.879832584533	-24.222767939345	VS	70	1	-46.739390648752	-24.157770261798	VS	100	1
-46.87957204025	-24.22295741759	VS	70	1	-46.741618716067	-24.159224547682	VS	100	1
-46.840169632386	-24.167892866833	VS	100	1	-46.741403916708	-24.159555528415	VS	100	1
-46.776736576189	-24.165784012773	VS	100	1	-46.740935127357	-24.159493194467	VS	100	1
-46.776831009115	-24.165941782883	VS	100	1	-46.74059759579	-24.159307088529	VS	100	1
-46.777788018369	-24.178100646271	VS	100	1	-46.74025452052	-24.159118708262	VS	100	1
-46.838568395753	-24.166629433697	VS	100	1	-46.73991583313	-24.159250740224	VS	100	1
-46.839408114367	-24.167247618683	VS	100	1	-46.739603113328	-24.159468260582	VS	100	1
-46.839137632568	-24.167026589678	VS	100	1	-46.740112294314	-24.159106553028	VS	100	1
-46.83832787559	-24.166426082576	VS	100	1	-46.740678985463	-24.158718720483	VS	100	1
-46.83758646905	-24.165807253158	VS	100	1	-46.74090130505	-24.158564806409	VS	100	1
-46.837035371913	-24.165347511349	VS	100	1	-46.741229170005	-24.158322192765	VS	100	1
-46.83619368742	-24.164640236557	VS	100	1	-46.741509064917	-24.158123954115	VS	100	1
-46.835943162499	-24.164428070585	VS	100	1	-46.741331132141	-24.158170105099	VS	100	1
-46.777598617683	-24.178011357009	VS	100	1	-46.741448409864	-24.157630548399	VS	100	1
-46.811742866142	-24.188959925208	VS	100	1	-46.741130621777	-24.157472240725	VS	100	1
-46.811638157937	-24.189336217495	VS	100	1	-46.740782561572	-24.157278448685	VS	100	1
-46.811303039252	-24.189134655552	VS	100	1	-46.740484401819	-24.157119994571	VS	100	1
-46.811518842416	-24.188494216238	VS	100	1	-46.740048915654	-24.157483387093	VS	100	1
-46.811835593474	-24.18802260148	VS	100	1	-46.740367121274	-24.157659541045	VS	100	1
-46.891862110184	-24.239293982388	VS	100	1	-46.740625404846	-24.157791519942	VS	100	1
-46.892308152275	-24.239785748462	VS	100	1	-46.741218287696	-24.158107889625	VS	100	1
-46.891302202203	-24.237903994127	VS	100	1	-46.740297387234	-24.158771894646	VS	100	1
-46.890780826553	-24.238287243402	VS	100	1	-46.740019056425	-24.158622215972	VS	100	1
-46.891108061412	-24.237809110962	VS	100	1	-46.739774094472	-24.158488498978	VS	100	1
-46.890876280101	-24.237552805788	VS	100	1	-46.739482247837	-24.15833163474	VS	100	1
-46.8906944728	-24.237349029646	VS	100	1	-46.739143000133	-24.158153276425	VS	100	1
-46.890566062422	-24.238117568796	VS	100	1	-46.738955454727	-24.158049905726	VS	100	1
-46.89032379852	-24.237851827559	VS	100	1	-46.739889213767	-24.15904585987	VS	100	1
-46.890462227405	-24.237208997443	VS	100	1	-46.739541514552	-24.158864218563	VS	100	1
-46.890193794179	-24.237077309208	VS	100	1	-46.739403324317	-24.158792421556	VS	100	1
-46.895263993997	-24.244303164696	VS	100	1	-46.739037408622	-24.158597215322	VS	100	1
-46.895456916647	-24.244158828972	VS	100	1	-46.739414439522	-24.159308007544	VS	100	1
-46.894354721479	-24.230351900966	VS	100	1	-46.739917909909	-24.156820687782	VS	100	1
-46.895177693569	-24.230841080519	VS	100	1	-46.739659414583	-24.156679785813	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.88832669379	-24.236752884263	VS	100	1	-46.73937323139	-24.156526470033	VS	100	1
-46.885102758436	-24.235691560532	VS	100	1	-46.739033248441	-24.156345242568	VS	100	1
-46.884940646372	-24.23505250078	VS	100	1	-46.739868764203	-24.157268965293	VS	100	1
-46.885822333625	-24.230441028766	VS	100	1	-46.73979292113	-24.157323658861	VS	100	1
-46.880900756846	-24.239180419301	VS	100	1	-46.739701110314	-24.157298543148	VS	100	1
-46.880621408154	-24.239004184083	VS	100	1	-46.7397447782	-24.157357003441	VS	100	1
-46.880332059003	-24.238819138704	VS	100	1	-46.739353267399	-24.15711367943	VS	100	1
-46.900745848203	-24.233521538234	VS	100	1	-46.739084759541	-24.156963922742	VS	100	1
-46.901064502667	-24.233697409601	VS	100	1	-46.738819092148	-24.156830716241	VS	100	1
-46.901303638432	-24.233846962135	VS	100	1	-46.739416981384	-24.157591664167	VS	100	1
-46.901552663875	-24.233987710379	VS	100	1	-46.739132386174	-24.157638290539	VS	100	1
-46.899177873541	-24.233109625786	VS	100	1	-46.739104690834	-24.157822105925	VS	100	1
-46.898930639647	-24.232825883389	VS	100	1	-46.738771908047	-24.158051802252	VS	100	1
-46.902359325835	-24.230272892141	VS	100	1	-46.738738771095	-24.157945521208	VS	100	1
-46.902621687243	-24.230556306752	VS	100	1	-46.740391307265	-24.1566064608	VS	100	1
-46.900910790961	-24.230481074002	VS	100	1	-46.740102967494	-24.156447938212	VS	100	1
-46.901163089506	-24.230755626615	VS	100	1	-46.739804810869	-24.15628947413	VS	100	1
-46.901619072716	-24.23124324311	VS	100	1	-46.739506440275	-24.156122096341	VS	100	1
-46.901853864115	-24.231523562235	VS	100	1	-46.741134655382	-24.156395895322	VS	100	1
-46.909043329634	-24.229934447063	VS	100	1	-46.741433817027	-24.156188674806	VS	100	1
-46.909271746887	-24.230174487485	VS	100	1	-46.741206222407	-24.156190352701	VS	100	1
-46.909492706158	-24.230423614078	VS	100	1	-46.74094795085	-24.156058375412	VS	100	1
-46.906866488748	-24.229608799376	VS	100	1	-46.740679647411	-24.155917543541	VS	100	1
-46.90575218556	-24.231235771986	VS	100	1	-46.744221054537	-24.15701269062	VS	100	1
-46.90549959339	-24.230952219393	VS	100	1	-46.74402390318	-24.157217565677	VS	100	1
-46.905216389129	-24.230641792658	VS	100	1	-46.743913081779	-24.156854311245	VS	100	1
-46.905016207398	-24.229526298752	VS	100	1	-46.743644772386	-24.156713492944	VS	100	1
-46.902081074581	-24.234304648281	VS	100	1	-46.743406328036	-24.156590295631	VS	70	1
-46.901788008332	-24.234138395282	VS	100	1	-46.743098347675	-24.156431914604	VS	70	1
-46.880494251537	-24.238126755034	VS	100	1	-46.742859933325	-24.156308735413	VS	100	1
-46.880256701046	-24.23797932414	VS	100	1	-46.743870939717	-24.157457582312	VS	100	1
-46.911812194519	-24.240455304092	VS	100	1	-46.743567596283	-24.157914787926	VS	70	1
-46.875510784752	-24.21859107183	VS	100	1	-46.854498623483	-24.1654891256	VS	70	1
-46.83837586675	-24.159894058555	VS	100	1	-46.85411275507	-24.165768800398	VS	70	1
-46.838899746842	-24.160330545636	VS	100	1	-46.853890635392	-24.165928174412	VS	70	1
-46.839117126544	-24.160521469422	VS	100	1	-46.853678574695	-24.166086442447	VS	70	1
-46.839387796099	-24.16074270054	VS	100	1	-46.855064538664	-24.1661644688	VS	70	1
-46.839648371079	-24.16096373666	VS	100	1	-46.85479230258	-24.166359022993	VS	70	1
-46.839908946971	-24.161184772451	VS	100	1	-46.851031817515	-24.164414379229	VS	70	1
-46.840159704159	-24.161405891326	VS	100	1	-46.876440866868	-24.216100900753	VS	70	1
-46.852997442075	-24.220101233431	VS	100	1	-46.876958363784	-24.215738066507	VS	70	1
-46.852804520725	-24.220245513884	VS	100	1	-46.742383596091	-24.159408427284	VS	100	1
-46.852601774964	-24.220389868627	VS	100	1	-46.740844855826	-24.156594262366	VS	100	1
-46.852389415134	-24.22053417713	VS	100	1	-46.739156164551	-24.159176026628	VS	100	1
-46.852186668481	-24.22067853119	VS	100	1	-46.73889746106	-24.159026209907	VS	100	1
-46.852871179578	-24.220967729902	VS	100	1	-46.784563550603	-24.182732151372	VS	150	1
-46.853131751662	-24.220778302294	VS	100	1	-46.784908929061	-24.182123093722	VS	150	1
-46.853483327546	-24.220529306656	VS	100	1	-46.784380761286	-24.183037292537	VS	150	1
-46.853633880807	-24.220426390315	VS	100	1	-46.784211077963	-24.183332987324	VS	150	1
-46.853865432044	-24.220255040645	VS	100	1	-46.783852689599	-24.183951301957	VS	150	1
-46.85399311291	-24.220122837407	VS	100	1	-46.785319009129	-24.183850362937	VS	150	1
-46.854075575931	-24.220110489074	VS	100	1	-46.7851395883	-24.184146014582	VS	150	1
-46.853756061108	-24.220080009637	VS	100	1	-46.784960934041	-24.184477470615	VS	150	1
-46.85350982879	-24.220014390493	VS	100	1	-46.740244898285	-24.155268960492	VS	250	1
-46.853266586563	-24.219922669368	VS	400	1	-46.738460331744	-24.156498747682	VS	100	1
-46.852346070557	-24.220853837259	VS	100	1	-46.740041494617	-24.155395482536	VS	250	1
-46.852627225783	-24.221052174488	VS	100	1	-46.739717245925	-24.155626448312	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.852925388926	-24.221261163625	VS	100	1	-46.739481348332	-24.155783136652	VS	250	1
-46.851825126634	-24.220494337189	VS	100	1	-46.739134533859	-24.156044104028	VS	100	1
-46.852068649146	-24.220659532557	VS	100	1	-46.738212730933	-24.15666631235	VS	100	1
-46.852002501362	-24.220796262054	VS	100	1	-46.737988111892	-24.156864604006	VS	100	1
-46.851564517034	-24.220307955911	VS	100	1	-46.737638050883	-24.157098619587	VS	100	1
-46.85179302246	-24.220235398572	VS	100	1	-46.737252675313	-24.157363379933	VS	100	1
-46.851341025186	-24.220151763736	VS	100	1	-46.737085416341	-24.157500167739	VS	100	1
-46.851157647948	-24.220014896886	VS	100	1	-46.736826984456	-24.157684564777	VS	100	1
-46.850905615212	-24.219841786209	VS	100	1	-46.736653429899	-24.157810609756	VS	100	1
-46.819933148194	-24.177857070381	VS	70	1	-46.785521636525	-24.181056883694	VS	150	1
-46.819653592138	-24.177662914904	VS	70	1	-46.78538056001	-24.181316678499	VS	150	1
-46.819383857614	-24.177468677124	VS	70	1	-46.786017468757	-24.1796215209	VS	250	1
-46.819124364325	-24.177292211294	VS	70	1	-46.785856702767	-24.179886027492	VS	250	1
-46.820014328419	-24.178053982458	VS	70	1	-46.785686602545	-24.180163889152	VS	250	1
-46.79427966243	-24.159854922594	VS	100	1	-46.785497048435	-24.180460090808	VS	250	1
-46.794522035192	-24.160138644915	VS	100	1	-46.785372531181	-24.180622559474	VS	250	1
-46.793992719168	-24.159802135516	VS	100	1	-46.785340061105	-24.180803228362	VS	250	1
-46.897543918631	-24.241862466302	VS	100	1	-46.785248225562	-24.181531798779	VS	150	1
-46.725656578234	-24.15048383219	VS	100	1	-46.785146015302	-24.180952745092	VS	250	1
-46.72586912341	-24.150339583126	VS	100	1	-46.785135515097	-24.181085770071	VS	250	1
-46.726062043308	-24.150195468251	VS	100	1	-46.7850143234	-24.181194632666	VS	250	1
-46.807822974263	-24.195111392063	VS	100	1	-46.881457410087	-24.23256142417	VS	100	1
-46.715854570497	-24.141722053924	VS	100	1	-46.784994012806	-24.1813277195	VS	250	1
-46.715575898643	-24.141579936686	VS	100	1	-46.788435898986	-24.178352323659	VS	100	1
-46.715915121568	-24.141529478373	VS	100	1	-46.785533032687	-24.178542013714	VS	100	1
-46.716167797079	-24.141348263379	VS	100	1	-46.78531670333	-24.178772731946	VS	100	1
-46.716399767149	-24.141186335358	VS	100	1	-46.790076523637	-24.179315724517	VS	100	1
-46.716661555449	-24.141007259746	VS	100	1	-46.790044533857	-24.178705733546	VS	100	1
-46.716915967322	-24.140834593435	VS	100	1	-46.789788669164	-24.179175230287	VS	100	1
-46.71718438763	-24.140626313513	VS	100	1	-46.810482388769	-24.193698123973	VS	250	1
-46.717373198077	-24.140661893418	VS	70	1	-46.810187786283	-24.193579457748	VS	250	1
-46.717717675547	-24.141035294496	VS	70	1	-46.810358546762	-24.193878214823	VS	250	1
-46.717896066538	-24.141229159034	VS	70	1	-46.810518144633	-24.193791584996	VS	250	1
-46.717858610721	-24.141385070714	VS	100	1	-46.789756063251	-24.178564888778	VS	100	1
-46.717549543104	-24.141601413923	VS	100	1	-46.789510337104	-24.179034476084	VS	100	1
-46.717269409816	-24.1418088332	VS	100	1	-46.789477838094	-24.178424209743	VS	100	1
-46.716971424957	-24.14200801499	VS	100	1	-46.789401172471	-24.178140481157	VS	100	1
-46.71691533343	-24.142275398628	VS	100	1	-46.789316699261	-24.178711682867	VS	100	1
-46.716627725695	-24.142126018033	VS	100	1	-46.789309651418	-24.17882772828	VS	100	1
-46.718109702677	-24.141213841593	VS	100	1	-46.789289247321	-24.17832759972	VS	100	1
-46.718360488492	-24.141024681076	VS	100	1	-46.789182463285	-24.178867449283	VS	100	1
-46.718631059704	-24.140844342958	VS	100	1	-46.788864551484	-24.178709217389	VS	100	1
-46.718865883666	-24.140669202414	VS	100	1	-46.788494883127	-24.178508395851	VS	100	1
-46.718278713685	-24.140463194888	VS	100	1	-46.868234682317	-24.229165032839	VS	100	1
-46.718008346282	-24.140652454212	VS	100	1	-46.788306620526	-24.178382997388	VS	100	1
-46.717747794627	-24.140841646238	VS	100	1	-46.788107761368	-24.178277410662	VS	100	1
-46.717673287489	-24.140277362199	VS	100	1	-46.787919441995	-24.178180959844	VS	100	1
-46.717451353451	-24.140439511502	VS	100	1	-46.785898864496	-24.178511562964	VS	100	1
-46.718008480484	-24.140026070173	VS	100	1	-46.785767110369	-24.179647748967	VS	100	1
-46.909243497859	-24.247133676142	VS	100	1	-46.785685600796	-24.178235690709	VS	100	1
-46.818706330771	-24.161953310148	VS	100	1	-46.78550675929	-24.178471946123	VS	100	1
-46.746384887175	-24.158422481878	VS	100	1	-46.7854710807	-24.179494822291	VS	100	1
-46.769553829156	-24.17070575009	VS	100	1	-46.881412117852	-24.232769585651	VS	100	1
-46.772111625295	-24.171388118977	VS	100	1	-46.785344245209	-24.18054644964	VS	150	1
-46.7724034382	-24.171553068009	VS	100	1	-46.785140878525	-24.179322259162	VS	100	1
-46.772801099762	-24.171728393633	VS	100	1	-46.881138644884	-24.232778096687	VS	100	1
-46.772388561449	-24.1717561651	VS	100	1	-46.88082963395	-24.232994726255	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.77218181689	-24.171905528836	VS	100	1	-46.784985216988	-24.179302288096	VS	100	1
-46.77309482647	-24.171904195404	VS	100	1	-46.784956328152	-24.180335187818	VS	100	1
-46.772910078591	-24.172158905773	VS	100	1	-46.784815406016	-24.179588956035	VS	100	1
-46.772688539962	-24.172388224907	VS	100	1	-46.881631376676	-24.232901632	VS	100	1
-46.772479526672	-24.172629260189	VS	100	1	-46.784626036765	-24.179884891128	VS	100	1
-46.772269306185	-24.172871713084	VS	100	1	-46.784618155913	-24.180150339609	VS	100	1
-46.772097359854	-24.173096638333	VS	100	1	-46.784533947793	-24.179490814142	VS	100	1
-46.77193558619	-24.173311964711	VS	100	1	-46.784290129124	-24.179974381792	VS	100	1
-46.770513749504	-24.169869327451	VS	100	1	-46.784235880244	-24.179341344942	VS	100	1
-46.899335766971	-24.242026371157	VS	100	1	-46.784007375345	-24.17922705214	VS	100	1
-46.897398868485	-24.240757130965	VS	100	1	-46.784001881083	-24.179824841428	VS	100	1
-46.897227086631	-24.240562206612	VS	100	1	-46.78397667105	-24.178856286085	VS	100	1
-46.774869698396	-24.171908675381	VS	100	1	-46.783825349479	-24.179098314102	VS	100	1
-46.774587413489	-24.171771727314	VS	100	1	-46.783723444127	-24.179675229777	VS	100	1
-46.77432507098	-24.171656447013	VS	100	1	-46.78370220329	-24.179286595273	VS	100	1
-46.774056340584	-24.171531360261	VS	100	1	-46.783541277776	-24.179537615992	VS	100	1
-46.773733718913	-24.171431923179	VS	100	1	-46.78343528849	-24.179516954795	VS	100	1
-46.773470532407	-24.171313976536	VS	100	1	-46.738010520002	-24.158950994899	VS	100	1
-46.897014916594	-24.240322993064	VS	100	1	-46.737129894752	-24.155909026038	VS	100	1
-46.897136051852	-24.243257665905	VS	100	1	-46.736468795028	-24.156390252552	VS	100	1
-46.896913773564	-24.243000876025	VS	100	1	-46.735709183156	-24.156731341208	VS	100	1
-46.896721907785	-24.242788267969	VS	100	1	-46.734892171201	-24.157196952082	VS	100	1
-46.896520029697	-24.242566859632	VS	100	1	-46.7401827234	-24.155653450564	VS	100	1
-46.896338206412	-24.242363088203	VS	100	1	-46.741710899031	-24.154160921035	VS	100	1
-46.723411526509	-24.149310174355	VS	100	1	-46.740530246277	-24.153640013041	VS	100	1
-46.723689804563	-24.149459877783	VS	100	1	-46.737794476318	-24.15876616455	VS	100	1
-46.891361284904	-24.242928947238	VS	100	1	-46.738002645462	-24.158549427558	VS	100	1
-46.891128507778	-24.242671244048	VS	100	1	-46.737929357918	-24.158658139599	VS	100	1
-46.891353125823	-24.242060994897	VS	100	1	-46.73748506198	-24.158635066804	VS	100	1
-46.891615675845	-24.242353314781	VS	100	1	-46.737228297964	-24.15847666511	VS	100	1
-46.89186524876	-24.241717663603	VS	100	1	-46.738301141115	-24.158709284352	VS	100	1
-46.892087629883	-24.241965959821	VS	100	1	-46.738619141627	-24.158876529096	VS	100	1
-46.774625995669	-24.170084299274	VS	100	1	-46.738468933778	-24.158271486299	VS	100	1
-46.774266948602	-24.169921392216	VS	100	1	-46.738353318065	-24.158232685391	VS	100	1
-46.77412057403	-24.169958161301	VS	100	1	-46.73869657042	-24.158412022909	VS	100	1
-46.773840751263	-24.170150162983	VS	100	1	-46.738000291207	-24.158049476522	VS	100	1
-46.773547226526	-24.170356839819	VS	100	1	-46.737669512808	-24.157869747483	VS	100	1
-46.7746867095	-24.16951404845	VS	100	1	-46.737215729984	-24.157628515961	VS	100	1
-46.774407019146	-24.169712221775	VS	100	1	-46.736878029403	-24.15829121398	VS	100	1
-46.773949624159	-24.169730269523	VS	100	1	-46.736580087849	-24.158141674764	VS	100	1
-46.773618848295	-24.169582039	VS	100	1	-46.736291946047	-24.157992048776	VS	100	1
-46.773741918498	-24.169414004587	VS	100	1	-46.736033463397	-24.157851141152	VS	100	1
-46.774012070825	-24.169215721049	VS	100	1	-46.73572958137	-24.157349979011	VS	100	1
-46.773335158725	-24.16943186039	VS	100	1	-46.738400492185	-24.157762617755	VS	100	1
-46.773005113597	-24.169268078937	VS	100	1	-46.738065773322	-24.157584970077	VS	100	1
-46.77274847104	-24.16932308922	VS	100	1	-46.737949915167	-24.157523335199	VS	100	1
-46.772159813427	-24.169736645802	VS	100	1	-46.737623794821	-24.157345692904	VS	100	1
-46.77319098077	-24.169783994092	VS	100	1	-46.737922455874	-24.156983194215	VS	100	1
-46.773472574595	-24.169594008207	VS	100	1	-46.738292501492	-24.157186983478	VS	100	1
-46.772862951421	-24.17000922149	VS	100	1	-46.738636788193	-24.157373255555	VS	100	1
-46.772554052016	-24.170225566901	VS	100	1	-46.738528323777	-24.156673484187	VS	100	1
-46.772235020484	-24.17044219818	VS	100	1	-46.738791972981	-24.156280514323	VS	100	1
-46.77213492309	-24.170681100885	VS	100	1	-46.738754943941	-24.156195563033	VS	100	1
-46.772452383298	-24.17083679961	VS	100	1	-46.738407095973	-24.156010688456	VS	100	1
-46.752230447322	-24.166949184556	VS	100	1	-46.738099124755	-24.155852298338	VS	100	1
-46.751576565423	-24.164266962881	VS	100	1	-46.73781079039	-24.155693763011	VS	100	1
-46.749220823536	-24.162952800286	VS	100	1	-46.737506686787	-24.15565376192	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.751917726211	-24.166752784233	VS	100	1	-46.73749316882	-24.155544342536	VS	100	1
-46.751900203287	-24.166669848668	VS	100	1	-46.737155640996	-24.155386079203	VS	100	1
-46.752042163679	-24.166445762526	VS	100	1	-46.737072052904	-24.155256433516	VS	100	1
-46.752241152429	-24.165805795726	VS	100	1	-46.736837446352	-24.15520991088	VS	100	1
-46.751903074472	-24.165620886232	VS	100	1	-46.736539472777	-24.155060353433	VS	100	1
-46.75155475849	-24.165418191364	VS	100	1	-46.736231348143	-24.154884267554	VS	100	1
-46.751167220559	-24.165683152524	VS	100	1	-46.737302826331	-24.155780636754	VS	100	1
-46.750972812125	-24.165996001129	VS	100	1	-46.737316246764	-24.156039880048	VS	100	1
-46.750770213964	-24.166310135417	VS	100	1	-46.737613835852	-24.156180410165	VS	100	1
-46.751393980204	-24.165333124835	VS	100	1	-46.737911989119	-24.15633886913	VS	100	1
-46.751326487171	-24.165303960707	VS	100	1	-46.738229983604	-24.156506113835	VS	100	1
-46.751533140691	-24.16512203342	VS	100	1	-46.780396383701	-24.176300173855	VS	100	1
-46.751703283515	-24.164844217119	VS	100	1	-46.838451764287	-24.163333201741	VS	100	1
-46.751864846664	-24.164972597564	VS	100	1	-46.838157944097	-24.16309306914	VS	100	1
-46.751899488885	-24.164530696054	VS	100	1	-46.819383898944	-24.200081521696	VS	70	1
-46.752166630261	-24.164595171755	VS	100	1	-46.72004623569	-24.147249084263	VS	100	1
-46.752236824369	-24.164011474404	VS	100	1	-46.720362807222	-24.14717656988	VS	100	1
-46.752069903754	-24.164268041789	VS	100	1	-46.905142136936	-24.247326776672	VS	100	1
-46.849401276257	-24.212237216035	VS	100	1	-46.721773525935	-24.134072824004	VS	100	1
-46.849232451933	-24.212042464646	VS	100	1	-46.717399369156	-24.137087601545	VS	100	1
-46.849910187809	-24.212656728437	VS	100	1	-46.713207186394	-24.141443906135	VS	100	1
-46.849674732611	-24.212816029	VS	100	1	-46.713005553191	-24.141598072776	VS	100	1
-46.849494553062	-24.212954802335	VS	100	1	-46.781283488626	-24.157131801914	VS	70	1
-46.849760257455	-24.212640707787	VS	100	1	-46.816175555668	-24.181845565871	VS	100	1
-46.849355124289	-24.212938400706	VS	100	1	-46.822608880497	-24.157357281582	VS	70	1
-46.752441589839	-24.16367884387	VS	100	1	-46.822110056362	-24.189869038088	VS	100	1
-46.751305139948	-24.164126032576	VS	100	1	-46.872505065935	-24.22947701306	VS	100	1
-46.75108957517	-24.164002942546	VS	100	1	-46.871742128479	-24.228394378044	VS	100	1
-46.750919598369	-24.164073595963	VS	100	1	-46.858945377597	-24.215914177455	VS	70	1
-46.750739522671	-24.164351657028	VS	100	1	-46.858462695158	-24.216257047089	VS	70	1
-46.750559559787	-24.164629549641	VS	100	1	-46.723365584415	-24.136831782712	VS	70	1
-46.750218592562	-24.165158474072	VS	100	1	-46.721546545009	-24.13878068956	VS	70	1
-46.750058162932	-24.165427147248	VS	100	1	-46.865813393119	-24.213856934213	VS	70	1
-46.749650925172	-24.164353775155	VS	100	1	-46.768044956476	-24.173732557966	VS	100	1
-46.749326809323	-24.164176246457	VS	100	1	-46.843596293875	-24.211663743496	VS	70	1
-46.749785677934	-24.163908484692	VS	100	1	-46.896630149258	-24.233940886577	VS	100	1
-46.749623059398	-24.164151934213	VS	100	1	-46.892422642494	-24.233895468815	VS	70	1
-46.748730091324	-24.163841566994	VS	100	1	-46.776039367553	-24.157115253799	VS	70	1
-46.74851896283	-24.163832201368	VS	100	1	-46.874805600707	-24.206659863313	VS	70	1
-46.748411905795	-24.163665446318	VS	100	1	-46.86801284563	-24.214825190507	VS	70	1
-46.748689109171	-24.163554398087	VS	100	1	-46.79054666256	-24.185833695983	VS	250	1
-46.748869073559	-24.163276517023	VS	100	1	-46.777240250004	-24.145964582478	VS	70	1
-46.74902668979	-24.163044053781	VS	100	1	-46.820891260457	-24.189794599241	VS	100	1
-46.749190924909	-24.162774649363	VS	100	1	-46.868297805471	-24.218816271351	VS	100	1
-46.748995334702	-24.162834569491	VS	100	1	-46.869484705348	-24.227069923788	VS	70	1
-46.748752319315	-24.162699368823	VS	100	1	-46.84247269788	-24.211296056488	VS	70	1
-46.74860511453	-24.162614056775	VS	100	1	-46.840552997364	-24.209253629367	VS	70	1
-46.748590900605	-24.162716436261	VS	100	1	-46.766286093976	-24.170291855864	VS	100	1
-46.748761465817	-24.162456458959	VS	100	1	-46.840081510764	-24.203816021557	VS	70	1
-46.843958774025	-24.214992316112	VS	70	1	-46.753253634214	-24.164536590305	VS	100	1
-46.749508179683	-24.163113354407	VS	100	1	-46.75111927435	-24.16519386948	VS	100	1
-46.749697373672	-24.163227975019	VS	100	1	-46.752008308084	-24.16237053644	VS	250	1
-46.750125364892	-24.162243241372	VS	100	1	-46.888354449216	-24.212127916568	VS	100	1
-46.749380471003	-24.162478580233	VS	100	1	-46.771580198625	-24.170134538208	VS	100	1
-46.749550613046	-24.162200784449	VS	100	1	-46.859512129327	-24.210651284904	VS	70	1
-46.771447164404	-24.170237534363	VS	100	1	-46.777433808241	-24.173070832768	VS	100	1
-46.74993405253	-24.16335490163	VS	100	1	-46.717717723354	-24.145670100273	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.75041038625	-24.162404567012	VS	100	1	-46.83284567618	-24.193144995747	VS	100	1
-46.751082756953	-24.163819413372	VS	100	1	-46.858207818173	-24.213241649789	VS	100	1
-46.750522747812	-24.163685917657	VS	100	1	-46.929917802073	-24.205555979819	VS	100	1
-46.750234339414	-24.163527382334	VS	100	1	-46.8636152462	-24.218656941164	VS	100	1
-46.753673951586	-24.162467353175	VS	100	1	-46.730932969861	-24.12300180754	VS	100	1
-46.752802010787	-24.162789240507	VS	250	1	-46.871606728443	-24.211097757195	VS	100	1
-46.755165104404	-24.163268430536	VS	100	1	-46.840619695917	-24.197739839387	VS	70	1
-46.755930452689	-24.163673302055	VS	100	1	-46.816675899722	-24.189616120525	VS	100	1
-46.756178939331	-24.163805326991	VS	100	1	-46.783807025604	-24.175772695945	VS	100	1
-46.753059077614	-24.162135961606	VS	70	1	-46.813582412393	-24.186966873921	VS	100	1
-46.75281102315	-24.162000590531	VS	70	1	-46.781130927778	-24.176246876082	VS	100	1
-46.752639904821	-24.161903841712	VS	70	1	-46.815385064819	-24.191982128475	VS	100	1
-46.751126139177	-24.162328578875	VS	100	1	-46.747168435748	-24.161914837532	VS	100	1
-46.753987046007	-24.162010026845	VS	100	1	-46.793943198247	-24.160436428327	VS	70	1
-46.75669305339	-24.163431063482	VS	100	1	-46.781492973115	-24.114568338527	VS	100	1
-46.756470689953	-24.163471390638	VS	100	1	-46.760578222844	-24.16056128078	VS	100	1
-46.756948780749	-24.163576554447	VS	100	1	-46.752392375758	-24.159318117453	VS	100	1
-46.757251605926	-24.163739500514	VS	100	1	-46.777363010384	-24.162569856448	VS	70	1
-46.756300137599	-24.163731369552	VS	100	1	-46.896360371312	-24.234139134068	VS	100	1
-46.756352835209	-24.163277554055	VS	100	1	-46.755357974205	-24.154083365713	VS	100	1
-46.756034795379	-24.16311034178	VS	100	1	-46.765539439002	-24.168644162987	VS	100	1
-46.755696971244	-24.162934382381	VS	100	1	-46.898021629576	-24.23266730006	VS	100	1
-46.75539866712	-24.16276707893	VS	100	1	-46.880261731961	-24.219601453393	VS	100	1
-46.755070821279	-24.162599934156	VS	100	1	-46.829482637151	-24.162322828584	VS	100	1
-46.754792461116	-24.162450279058	VS	100	1	-46.814878882075	-24.191416428647	VS	100	1
-46.754493966435	-24.162282869589	VS	100	1	-46.770135696259	-24.167602635492	VS	100	1
-46.754267505321	-24.162165367425	VS	100	1	-46.852945836932	-24.20642441035	VS	70	1
-46.755402452967	-24.163122206623	VS	100	1	-46.767230151681	-24.159192138675	VS	70	1
-46.755662219985	-24.163532549304	VS	100	1	-46.811553780101	-24.186524112743	VS	100	1
-46.755403700056	-24.163391679215	VS	100	1	-46.766885231895	-24.158415656878	VS	100	1
-46.755213165925	-24.163417931332	VS	100	1	-46.766580800927	-24.158261665006	VS	100	1
-46.755014264354	-24.163722664638	VS	100	1	-46.80976914668	-24.19188329345	VS	100	1
-46.754817002993	-24.163074674637	VS	100	1	-46.713180084782	-24.140843641852	VS	250	2
-46.754449275376	-24.16288105604	VS	100	1	-46.814407842027	-24.193259623177	VS	100	1
-46.754314107501	-24.162887276604	VS	100	1	-46.792748206267	-24.177950965998	VS	100	1
-46.754513080665	-24.162582456085	VS	100	1	-46.826249961585	-24.182114098599	VS	100	1
-46.754220635384	-24.162757813177	VS	100	1	-46.892164535172	-24.242183714551	VS	250	1
-46.753973227954	-24.162632198535	VS	70	1	-46.82916043346	-24.180560659822	VS	70	1
-46.754134585432	-24.16318301054	VS	100	1	-46.83018264163	-24.202842352139	VS	70	1
-46.753945254545	-24.163478786196	VS	100	1	-46.828970110321	-24.202760021874	VS	70	1
-46.753919049053	-24.163816037853	VS	100	1	-46.822763078989	-24.201862319712	VS	250	1
-46.753624991887	-24.163659081965	VS	100	1	-46.81480095859	-24.178618029838	VS	70	1
-46.753312135842	-24.163492107983	VS	100	1	-46.756523022367	-24.159014831835	VS	100	1
-46.752785883089	-24.163208678563	VS	100	1	-46.859079293711	-24.207494417475	VS	100	1
-46.752517905523	-24.163068090115	VS	100	1	-46.791142570119	-24.177169111458	VS	100	1
-46.752270498264	-24.162936288182	VS	100	1	-46.758956767412	-24.161439569352	VS	70	1
-46.752032656804	-24.162821846128	VS	100	1	-46.768168209724	-24.163484462093	VS	100	1
-46.751439476258	-24.162506352708	VS	100	1	-46.831972137072	-24.186211968945	VS	70	1
-46.751752371908	-24.162663080528	VS	100	1	-46.864399635022	-24.22665638574	VS	100	1
-46.750854828284	-24.162146676073	VS	100	1	-46.864051632173	-24.227619569955	VS	70	1
-46.750778448991	-24.162152649712	VS	100	1	-46.855915194479	-24.217312239462	VS	70	1
-46.776772790758	-24.172766635918	VS	100	1	-46.796906957734	-24.158370147191	VS	70	1
-46.776419482311	-24.172607299996	VS	100	1	-46.810872576563	-24.197168533923	VS	250	1
-46.775793978514	-24.172322972506	VS	100	1	-46.810028487893	-24.19949151008	VS	250	1
-46.775492168475	-24.17218562839	VS	100	1	-46.807208546494	-24.195493169794	VS	70	1
-46.775233879737	-24.172073716634	VS	100	1	-46.815080704856	-24.18797257892	VS	70	1
-46.753769427986	-24.162190399569	VS	250	1	-46.795442252426	-24.17988640043	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.753512132866	-24.162589643801	VS	100	1	-46.815078954093	-24.18073835035	VS	70	1
-46.753352241771	-24.162786915831	VS	250	1	-46.777508228494	-24.149870010581	VS	70	1
-46.753158910936	-24.162685247591	VS	250	1	-46.86675224092	-24.208398786067	VS	70	1
-46.752967348685	-24.162586558501	VS	250	1	-46.868499678308	-24.207168388702	VS	70	1
-46.752692591143	-24.162474468704	VS	250	1	-46.819790627445	-24.192937529958	VS	100	1
-46.752767964084	-24.162265473046	VS	100	1	-46.842149781255	-24.202434894443	VS	100	1
-46.752205472971	-24.162219157838	VS	150	1	-46.733407024095	-24.147200798666	VS	70	1
-46.752169047007	-24.162110649988	VS	250	1	-46.780467393609	-24.151389901747	VS	70	1
-46.751909106384	-24.162140966289	VS	250	1	-46.793128699795	-24.185692263256	VS	150	1
-46.751837322737	-24.162635672308	VS	250	1	-46.784700060996	-24.157171555751	VS	70	1
-46.776344709449	-24.173609229358	VS	100	1	-46.908537399517	-24.243710911267	VS	70	1
-46.776428889553	-24.173828617401	VS	100	1	-46.842365067305	-24.206086854806	VS	70	1
-46.752813262615	-24.162518737729	VS	70	1	-46.776151367299	-24.15578382212	VS	70	1
-46.75279517373	-24.162549553057	VS	70	1	-46.788605077872	-24.175558184979	VS	100	1
-46.75267448815	-24.162506302372	VS	70	1	-46.722080266128	-24.149045899322	VS	100	1
-46.908788000482	-24.243162009355	VS	100	1	-46.783176908434	-24.160385859524	VS	70	1
-46.775897553109	-24.168785327576	VS	100	1	-46.782880549604	-24.161538970126	VS	70	1
-46.772449181675	-24.169539503072	VS	100	1	-46.80633055228	-24.195465299675	VS	100	1
-46.897349753352	-24.241646145297	VS	100	1	-46.805382314411	-24.195813731331	VS	100	1
-46.897140960102	-24.24153962048	VS	100	1	-46.804807304906	-24.195538650771	VS	100	1
-46.897362834776	-24.241377245921	VS	100	1	-46.814395165586	-24.198816909883	VS	250	1
-46.776112294787	-24.168513791726	VS	100	1	-46.83110621084	-24.175312917548	VS	100	1
-46.775594413927	-24.168900197213	VS	100	1	-46.834527925933	-24.20539411694	VS	100	1
-46.775275921875	-24.169108159722	VS	100	1	-46.87478843873	-24.219310259581	VS	70	1
-46.774967103994	-24.169333537713	VS	100	1	-46.894775523336	-24.241545248138	VS	100	1
-46.774988445974	-24.168531491977	VS	100	1	-46.7877706652	-24.184372438058	VS	250	1
-46.774747153342	-24.168701295619	VS	100	1	-46.788004430372	-24.184486448365	VS	250	1
-46.774494965387	-24.168882029939	VS	100	1	-46.788500678478	-24.184740209414	VS	250	1
-46.774253414927	-24.169044414613	VS	100	1	-46.788490885527	-24.184734060115	VS	250	1
-46.775303131753	-24.16852868415	VS	100	1	-46.78867119019	-24.185053592002	VS	250	1
-46.77556304389	-24.168657625603	VS	100	1	-46.841805873446	-24.161932969291	VS	100	1
-46.772411931761	-24.168790223934	VS	100	1	-46.841522838012	-24.161697401995	VS	100	1
-46.772692120464	-24.168600786379	VS	100	1	-46.837876935203	-24.162855783702	VS	100	1
-46.774332130452	-24.168222964335	VS	100	1	-46.842094277844	-24.162184821733	VS	100	1
-46.774101603208	-24.16838486145	VS	100	1	-46.841250180183	-24.160643898953	VS	100	1
-46.773840063843	-24.168574422876	VS	100	1	-46.840638435215	-24.161999500598	VS	100	1
-46.773598513367	-24.168736806479	VS	100	1	-46.842430610867	-24.161226341163	VS	100	1
-46.773338739034	-24.168916904351	VS	100	1	-46.841506010862	-24.16084952923	VS	100	1
-46.773057598905	-24.169106587185	VS	100	1	-46.841889363168	-24.160724005049	VS	100	1
-46.77266735435	-24.169102540989	VS	100	1	-46.842201900955	-24.160791891379	VS	100	1
-46.772326858995	-24.168951757147	VS	100	1	-46.8404242115	-24.159302572915	VS	100	1
-46.850428823314	-24.208786602415	VS	100	1	-46.842060202507	-24.160534253176	VS	100	1
-46.896104618718	-24.242099689397	VS	100	1	-46.84044801499	-24.156761255406	VS	1000	1
-46.895913818819	-24.241884593763	VS	100	1	-46.84065810297	-24.159069039966	VS	100	1
-46.895701874629	-24.241654292871	VS	100	1	-46.840694473711	-24.157197101832	VS	100	1
-46.89548949124	-24.241406163191	VS	100	1	-46.840559242143	-24.15697021339	VS	100	1
-46.770260074959	-24.169442557215	VS	100	1	-46.839372614063	-24.160420805222	VS	100	1
-46.748348343696	-24.16409223972	VS	100	1	-46.840286684447	-24.155625598581	VS	100	1
-46.748157120863	-24.164392190918	VS	100	1	-46.831752726294	-24.159996800869	VS	100	1
-46.748065569803	-24.164537055309	VS	100	1	-46.839108579128	-24.160674627967	VS	100	1
-46.747958392641	-24.16454602596	VS	100	1	-46.834613005091	-24.160960431355	VS	100	1
-46.748266183537	-24.164695478262	VS	100	1	-46.831491974028	-24.160255359947	VS	100	1
-46.748083706685	-24.163480489783	VS	100	1	-46.834465721411	-24.155843146189	VS	100	1
-46.770801027808	-24.169072761596	VS	100	1	-46.834731322428	-24.159433692413	VS	100	1
-46.77538073304	-24.169803345456	VS	100	1	-46.835104929405	-24.156369893089	VS	100	1
-46.775071707309	-24.170019774175	VS	100	1	-46.834791357128	-24.15611804518	VS	100	1
-46.774772115702	-24.170218279369	VS	100	1	-46.836807963467	-24.156897849933	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.884939164318	-24.206000128024	VS	100	1	-46.836553595641	-24.156685473177	VS	100	1
-46.890236410109	-24.201678348155	VS	100	1	-46.836223041746	-24.151680300427	VS	100	1
-46.888939554688	-24.211706101568	VS	100	1	-46.837082055216	-24.157129248545	VS	100	1
-46.891675102551	-24.209780975889	VS	100	1	-46.834585846468	-24.154365332468	VS	100	1
-46.892601900331	-24.209130978121	VS	100	1	-46.835806402783	-24.152318868253	VS	100	1
-46.893210037343	-24.208697656346	VS	100	1	-46.8322015957	-24.153567330861	VS	100	1
-46.885573962238	-24.205057965123	VS	100	1	-46.834431360072	-24.154615813754	VS	100	1
-46.885708464854	-24.204838093645	VS	100	1	-46.817812331811	-24.148189844422	VS	100	1
-46.748240503688	-24.163263294901	VS	100	1	-46.831623348273	-24.153819575879	VS	100	1
-46.748412802234	-24.162996136155	VS	100	1	-46.818292629764	-24.149039038067	VS	100	1
-46.846907069504	-24.210222082366	VS	100	1	-46.817956725972	-24.14805185994	VS	100	1
-46.84551817101	-24.21039514939	VS	70	1	-46.817993641522	-24.149494290229	VS	100	1
-46.845334814177	-24.210180774976	VS	70	1	-46.817774497492	-24.14932139714	VS	100	1
-46.750291886795	-24.164722511691	VS	100	1	-46.823370371826	-24.157994006089	VS	100	1
-46.774943562265	-24.168337599623	VS	100	1	-46.816886256665	-24.150648482696	VS	100	1
-46.774645325601	-24.168179203327	VS	100	1	-46.818862752135	-24.161015296297	VS	100	1
-46.771879446732	-24.169927204008	VS	100	1	-46.823620880407	-24.158206215936	VS	100	1
-46.771497153634	-24.170361715838	VS	100	1	-46.819440013734	-24.161425368958	VS	100	1
-46.771149648321	-24.170203548975	VS	100	1	-46.819179263751	-24.161230172875	VS	100	1
-46.770862123757	-24.170060066178	VS	100	1	-46.819032733211	-24.159830408065	VS	100	1
-46.910549330315	-24.2437628027	VS	100	1	-46.819708017269	-24.161626570097	VS	100	1
-46.884746928253	-24.205769667675	VS	100	1	-46.82059283568	-24.163706554052	VS	100	1
-46.884153699176	-24.205912557649	VS	100	1	-46.820166702613	-24.160688294262	VS	100	1
-46.885363818402	-24.206496434044	VS	100	1	-46.829588515513	-24.159432535348	VS	100	1
-46.84422118501	-24.215284724575	VS	70	1	-46.83007885916	-24.159514068988	VS	100	1
-46.843696374323	-24.214699898609	VS	70	1	-46.829470915632	-24.160576459886	VS	100	1
-46.771815081085	-24.170528815467	VS	100	1	-46.829123496512	-24.160306425726	VS	100	1
-46.76966902751	-24.168527962639	VS	70	1	-46.830210001577	-24.162934905497	VS	100	1
-46.770601453351	-24.168502947069	VS	100	1	-46.829760899247	-24.160820225596	VS	100	1
-46.770321488746	-24.168701303118	VS	100	1	-46.829663796895	-24.164967593776	VS	100	1
-46.770041513785	-24.168899649247	VS	100	1	-46.830791292523	-24.163424454825	VS	100	1
-46.769212104471	-24.169209649676	VS	100	1	-46.830144858996	-24.16537435639	VS	100	1
-46.749168115832	-24.161793021126	VS	100	1	-46.829894278101	-24.165162107678	VS	100	1
-46.753353218391	-24.161036745116	VS	100	1	-46.83089373077	-24.16629771597	VS	100	1
-46.747670304448	-24.164387675141	VS	100	1	-46.830653191994	-24.165804143283	VS	100	1
-46.848539630066	-24.207487728717	VS	70	1	-46.833386122471	-24.165514201514	VS	100	1
-46.84909941918	-24.207978578319	VS	70	1	-46.831131770091	-24.166063584396	VS	100	1
-46.763458170948	-24.160905222141	VS	100	1	-46.83340651992	-24.166494703839	VS	100	1
-46.913069457416	-24.242991231433	VS	100	1	-46.833180018734	-24.166327748445	VS	100	1
-46.747794816125	-24.16332387505	VS	100	1	-46.833913824892	-24.166224044634	VS	100	1
-46.747592016782	-24.163364109474	VS	100	1	-46.833636524601	-24.166466222163	VS	100	1
-46.747477562371	-24.163146110847	VS	100	1	-46.833715533378	-24.165803535001	VS	100	1
-46.747403608328	-24.163655339165	VS	100	1	-46.83415514406	-24.166145850191	VS	100	1
-46.747880608242	-24.162894935029	VS	100	1	-46.831581478969	-24.165175925994	VS	100	1
-46.747762082353	-24.163086404298	VS	100	1	-46.806894731985	-24.195914759348	VS	100	1
-46.748027075116	-24.162665073633	VS	100	1	-46.808981860653	-24.189486301687	VS	100	1
-46.747778171134	-24.162515192229	VS	100	1	-46.729936065672	-24.153617793715	VS	100	1
-46.748150249378	-24.162476817144	VS	100	1	-46.8980448251	-24.237880235524	VS	100	1
-46.748302563012	-24.162243656681	VS	100	1	-46.731042913126	-24.147913073195	VS	100	1
-46.748285010883	-24.16244401314	VS	100	1	-46.730780265422	-24.148098226552	VS	100	1
-46.747946790893	-24.162250212183	VS	100	1	-46.729303103551	-24.148625753746	VS	100	1
-46.747648404492	-24.16208283834	VS	100	1	-46.728985355534	-24.148467416731	VS	100	1
-46.84317409154	-24.21353353439	VS	70	1	-46.728661504134	-24.148337495582	VS	100	1
-46.842960377529	-24.213689676059	VS	70	1	-46.820364184647	-24.194473557575	VS	70	1
-46.842881799458	-24.213740804231	VS	70	1	-46.82069111917	-24.194626849329	VS	70	1
-46.746773443879	-24.161607332596	VS	100	1	-46.863853477562	-24.21011363722	VS	250	1
-46.747061785556	-24.161765826644	VS	100	1	-46.864141598145	-24.209903458739	VS	250	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.749063346302	-24.161683822127	VS	100	1	-46.864427380027	-24.209711465061	VS	250	1
-46.749197940687	-24.161307541055	VS	100	1	-46.863686709806	-24.210145554176	VS	70	1
-46.748899650318	-24.161140235524	VS	100	1	-46.86344857847	-24.20985743375	VS	70	1
-46.748614148952	-24.161001234477	VS	100	1	-46.864115827249	-24.210702641614	VS	70	1
-46.748975808479	-24.161134391836	VS	100	1	-46.864493198486	-24.210009703028	VS	70	1
-46.749045168327	-24.161999397102	VS	100	1	-46.864688152456	-24.210271176785	VS	70	1
-46.748931897327	-24.162187453166	VS	100	1	-46.864260385001	-24.209739788042	VS	70	1
-46.749350142616	-24.161838356289	VS	100	1	-46.864019939325	-24.209449946506	VS	70	1
-46.749837204062	-24.16209364694	VS	100	1	-46.863203829097	-24.209575182981	VS	70	1
-46.749779006374	-24.161983638551	VS	100	1	-46.864741891661	-24.209506835688	VS	250	1
-46.788155694091	-24.15548459217	VS	100	1	-46.865062937161	-24.209603979726	VS	70	1
-46.788315776004	-24.155728739258	VS	100	1	-46.865275937817	-24.209869811508	VS	70	1
-46.788491701601	-24.156002688723	VS	100	1	-46.864830110788	-24.209337482402	VS	70	1
-46.746760894726	-24.159412440305	VS	100	1	-46.865819814315	-24.209493739864	VS	70	1
-46.747501236832	-24.159808572847	VS	100	1	-46.865595945402	-24.209232310828	VS	70	1
-46.740863500763	-24.149953301347	VS	100	1	-46.865157297885	-24.208648189736	VS	70	1
-46.740651184355	-24.150106496084	VS	100	1	-46.864924670533	-24.208381959593	VS	70	1
-46.740429254768	-24.150268680487	VS	100	1	-46.833449260896	-24.175179396764	VS	70	1
-46.740194233771	-24.150438377882	VS	100	1	-46.833033493412	-24.176004477375	VS	70	1
-46.747607517822	-24.160453630702	VS	100	1	-46.833280315694	-24.177199079679	VS	70	1
-46.747260598746	-24.160261884917	VS	100	1	-46.833599062286	-24.176982455635	VS	70	1
-46.746941345569	-24.160101383336	VS	100	1	-46.833869136703	-24.176784072695	VS	70	1
-46.746712314673	-24.15997788513	VS	100	1	-46.833151635853	-24.180001876337	VS	70	1
-46.815619438891	-24.199730820991	VS	250	1	-46.831322651822	-24.192226548502	VS	70	1
-46.823495056884	-24.203646441974	VS	70	1	-46.781673582082	-24.160014665474	VS	70	1
-46.823626976284	-24.203422599132	VS	70	1	-46.781364033653	-24.160222675794	VS	70	1
-46.823747572395	-24.203208056291	VS	70	1	-46.781051220358	-24.160444470115	VS	70	1
-46.751005966344	-24.161895764058	VS	100	1	-46.780781498429	-24.160632981416	VS	70	1
-46.835909425251	-24.174306004946	VS	100	1	-46.83483440999	-24.186061499939	VS	70	1
-46.834819898448	-24.175701450135	VS	100	1	-46.834318236399	-24.185560104115	VS	70	1
-46.887158936889	-24.212970457422	VS	100	1	-46.900967102642	-24.237279969699	VS	100	1
-46.887462866223	-24.212749379003	VS	100	1	-46.861599069004	-24.22259383356	VS	70	1
-46.888045118262	-24.212335768089	VS	100	1	-46.861921751907	-24.222767923121	VS	70	1
-46.886007795909	-24.213753118891	VS	100	1	-46.854633940426	-24.21558282203	VS	100	1
-46.885436500664	-24.214171985097	VS	100	1	-46.871600176886	-24.212831881261	VS	100	1
-46.882523194591	-24.216261375375	VS	100	1	-46.871306628915	-24.213039132097	VS	100	1
-46.882217123195	-24.216482203651	VS	100	1	-46.871065089805	-24.213206066718	VS	100	1
-46.751322920268	-24.161374379569	VS	100	1	-46.869741829591	-24.214115360062	VS	100	1
-46.751166634671	-24.161635967009	VS	100	1	-46.756200332861	-24.164407763662	VS	100	1
-46.751950226356	-24.160971830163	VS	100	1	-46.755739530714	-24.164786121755	VS	100	1
-46.83443169769	-24.176293384341	VS	100	1	-46.758906985193	-24.16387806057	VS	100	1
-46.834177417544	-24.176540761567	VS	100	1	-46.719103930477	-24.14050197721	VS	70	1
-46.833922868402	-24.176619881089	VS	70	1	-46.720967422324	-24.139195186992	VS	70	1
-46.833573134437	-24.176667020381	VS	70	1	-46.719914761893	-24.13992530335	VS	70	1
-46.83572530401	-24.174469272674	VS	100	1	-46.830990885473	-24.205184255956	VS	70	1
-46.835503588817	-24.174704578435	VS	100	1	-46.831193250108	-24.205283408009	VS	70	1
-46.835322545106	-24.174965727714	VS	100	1	-46.891420118679	-24.201675070483	VS	100	1
-46.834620893122	-24.175997459013	VS	100	1	-46.851136627714	-24.219283224433	VS	100	1
-46.834451169078	-24.173589386399	VS	100	1	-46.771050548211	-24.162919161328	VS	100	1
-46.83444782179	-24.173857100771	VS	100	1	-46.834809241509	-24.205529147093	VS	100	1
-46.834434493568	-24.174115318534	VS	100	1	-46.851999747747	-24.206141520198	VS	70	1
-46.834422239284	-24.174829898776	VS	100	1	-46.84937262446	-24.159270225448	VS	100	1
-46.834400778048	-24.175160212283	VS	100	1	-46.843185609276	-24.16960042024	VS	100	6
-46.88686744249	-24.213166174451	VS	100	1	-46.839928973556	-24.167689396742	VS	100	1
-46.886587300714	-24.213355823266	VS	100	1	-46.836484346061	-24.164887814977	VS	100	1
-46.886297538631	-24.21355448016	VS	100	1	-46.877005174853	-24.229700119111	VS	100	1
-46.889001354363	-24.226575697111	VS	70	1	-46.822839429339	-24.189144240132	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.761402399033	-24.164415396403	VS	70	1	-46.766712808018	-24.157661198221	VS	100	1
-46.750986592194	-24.160479188042	VS	100	1	-46.766078190508	-24.163751277957	VS	100	1
-46.749288090187	-24.160641469941	VS	100	1	-46.765834229713	-24.166043355388	VS	100	1
-46.749439269559	-24.16039051569	VS	100	1	-46.76544543548	-24.16492293957	VS	100	1
-46.749056900304	-24.160636017351	VS	100	1	-46.76491078269	-24.164571698212	VS	100	1
-46.748768136758	-24.160474224682	VS	100	1	-46.842734561918	-24.169220199655	VS	100	1
-46.750289565293	-24.161296302989	VS	100	1	-46.83828369266	-24.169104828718	VS	70	1
-46.749975245045	-24.161527405874	VS	100	1	-46.838146430107	-24.168651936997	VS	70	1
-46.75012796953	-24.161294164376	VS	100	1	-46.837888080124	-24.168911293411	VS	70	1
-46.750102522964	-24.161791730753	VS	100	1	-46.770467837939	-24.166594637347	VS	100	1
-46.749846775756	-24.161697954326	VS	100	1	-46.819364300426	-24.191568186652	VS	100	1
-46.749814196446	-24.161633233489	VS	100	1	-46.81719482228	-24.190436974434	VS	100	1
-46.749525821914	-24.161474725397	VS	100	1	-46.817314325166	-24.189987657155	VS	100	1
-46.834387547327	-24.17610821119	VS	100	1	-46.872275794795	-24.215790395812	VS	100	1
-46.834397862421	-24.175445763301	VS	70	1	-46.867787942296	-24.224229184864	VS	100	1
-46.834396021865	-24.175775928463	VS	100	1	-46.867693152073	-24.226208861366	VS	100	1
-46.834089945727	-24.174114401513	VS	100	1	-46.867612106907	-24.226914414199	VS	100	1
-46.833724611143	-24.174096298116	VS	100	1	-46.816104402351	-24.187610671364	VS	100	1
-46.83374158302	-24.17510547699	VS	70	1	-46.81383622088	-24.187297953027	VS	100	1
-46.833740813253	-24.175480337126	VS	100	1	-46.809953725099	-24.19300212321	VS	100	1
-46.833740168866	-24.175868562571	VS	70	1	-46.783976582831	-24.17576207454	VS	100	1
-46.833739067971	-24.176220954474	VS	100	1	-46.783519977653	-24.175197303818	VS	100	1
-46.833737004505	-24.176542196384	VS	100	1	-46.722621732162	-24.146160151717	VS	100	1
-46.833649699601	-24.175185081067	VS	70	1	-46.722129083691	-24.146511798366	VS	100	1
-46.832967776571	-24.17662747699	VS	70	1	-46.814774307701	-24.191658921595	VS	100	1
-46.8864774825	-24.227929223137	VS	70	1	-46.814577199073	-24.191534777302	VS	100	1
-46.886274897647	-24.227701357401	VS	70	1	-46.76566563269	-24.162550107776	VS	70	1
-46.884157591774	-24.229926925126	VS	100	1	-46.870377023191	-24.226397701699	VS	70	1
-46.883841589721	-24.230136917061	VS	100	1	-46.840852325461	-24.162883346834	VS	70	1
-46.883348352513	-24.229961838049	VS	100	1	-46.83045799776	-24.206774473082	VS	100	1
-46.88447191875	-24.22970785255	VS	70	1	-46.717903640133	-24.144686183234	VS	100	1
-46.748353016378	-24.160112934697	VS	100	1	-46.779285706589	-24.174640937975	VS	250	1
-46.751132219091	-24.159751112373	VS	100	1	-46.749915996398	-24.165642282175	VS	100	1
-46.750969130768	-24.159796435834	VS	100	1	-46.855246413507	-24.211291279474	VS	70	1
-46.751288719559	-24.159954684879	VS	100	1	-46.810779199653	-24.187946647998	VS	100	1
-46.751579179877	-24.160105683674	VS	100	1	-46.810677231552	-24.191355307805	VS	100	1
-46.752217560838	-24.159995579464	VS	100	1	-46.737410078766	-24.158244765758	VS	100	1
-46.884175710868	-24.226164715674	VS	70	1	-46.736636841081	-24.156267289905	VS	100	1
-46.883891827763	-24.226357401294	VS	70	1	-46.903656938428	-24.23368735484	VS	100	1
-46.883584480312	-24.226559982042	VS	70	1	-46.90342536418	-24.233858829756	VS	100	1
-46.883490526974	-24.227607964182	VS	70	1	-46.825429093625	-24.157951585724	VS	70	1
-46.883329004607	-24.226730560988	VS	70	1	-46.772682455808	-24.155270556306	VS	70	1
-46.883182344381	-24.226724884563	VS	70	1	-46.772670292652	-24.166441842228	VS	100	1
-46.88314567273	-24.227420512399	VS	70	1	-46.778422548323	-24.174254770219	VS	250	1
-46.883101949532	-24.226908878966	VS	70	1	-46.764598781708	-24.162584359306	VS	100	1
-46.883092151404	-24.227641967722	VS	70	1	-46.770333284232	-24.161435903319	VS	100	1
-46.75210864263	-24.159775186795	VS	100	1	-46.841885274724	-24.163745614846	VS	70	1
-46.752387167251	-24.159924940608	VS	100	1	-46.72598734858	-24.142475844287	VS	100	1
-46.752378049608	-24.159726805132	VS	100	1	-46.723981017053	-24.148748596823	VS	100	1
-46.753131900198	-24.160611631789	VS	100	1	-46.722993698868	-24.145463851058	VS	100	1
-46.753022419585	-24.160856631169	VS	100	1	-46.820691902829	-24.189052082776	VS	100	1
-46.753551630606	-24.161146911928	VS	100	1	-46.766121245596	-24.165850459911	VS	100	1
-46.833989641399	-24.162801469446	VS	100	1	-46.765635133464	-24.161053706819	VS	100	1
-46.833245463209	-24.162182439151	VS	100	1	-46.765381166757	-24.160704521035	VS	100	1
-46.832833979815	-24.161660597292	VS	100	1	-46.771627135894	-24.167367254971	VS	100	1
-46.832603407235	-24.16187671559	VS	100	1	-46.769885473233	-24.168039622421	VS	100	1
-46.833749135909	-24.162598112967	VS	100	1	-46.762159943686	-24.166959245822	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.833534474939	-24.162422592786	VS	100	1	-46.765112829915	-24.160563736594	VS	100	1
-46.833389815472	-24.161103083371	VS	100	1	-46.878624427427	-24.223972441122	VS	70	1
-46.833159879503	-24.161336864703	VS	100	1	-46.85993624958	-24.211342147406	VS	70	1
-46.833038029197	-24.162014689686	VS	100	1	-46.854395178712	-24.210917991712	VS	70	1
-46.833006548233	-24.161489721209	VS	100	1	-46.856591621894	-24.208682673478	VS	70	1
-46.882991790798	-24.22615425562	VS	100	1	-46.84119078867	-24.169492281361	VS	100	1
-46.882887001765	-24.22728576947	VS	70	1	-46.903227781347	-24.234991453759	VS	100	1
-46.882840992576	-24.226529818166	VS	100	1	-46.903023580331	-24.237692085305	VS	100	1
-46.882711592854	-24.226343900921	VS	100	1	-46.90278517135	-24.238381161695	VS	100	1
-46.88251512783	-24.226328940272	VS	100	1	-46.902350270622	-24.234463134002	VS	100	1
-46.882426180806	-24.226538805218	VS	100	1	-46.789211773396	-24.158522665659	VS	100	1
-46.753865536259	-24.161315275444	VS	100	1	-46.842281710103	-24.172036248092	VS	100	1
-46.753718716316	-24.161878013592	VS	100	1	-46.842040714923	-24.171823736804	VS	100	1
-46.753450557358	-24.161737304721	VS	100	1	-46.792929729882	-24.178706314605	VS	100	1
-46.753225715779	-24.161610722679	VS	100	1	-46.863893565782	-24.210431696632	VS	70	1
-46.753667202282	-24.160604083335	VS	100	1	-46.792450599501	-24.179235650247	VS	100	1
-46.753957710966	-24.160761182878	VS	100	1	-46.792171914247	-24.178071264277	VS	100	1
-46.753913142353	-24.160119117771	VS	100	1	-46.909137965806	-24.233417135888	VS	100	1
-46.75363373863	-24.159831774379	VS	100	1	-46.874553037535	-24.22982616583	VS	100	1
-46.753634798636	-24.159969461726	VS	100	1	-46.874133684193	-24.217762308932	VS	70	1
-46.753463165979	-24.160091794558	VS	100	1	-46.874020004553	-24.227517374652	VS	100	1
-46.753782307422	-24.1596169392	VS	100	1	-46.818246115466	-24.191713576374	VS	100	1
-46.753346064928	-24.159810752441	VS	100	1	-46.771102748392	-24.154443795354	VS	70	1
-46.774527469228	-24.177726603631	VS	100	1	-46.86907776539	-24.212672184201	VS	100	1
-46.832286499503	-24.16137814355	VS	100	1	-46.905814366006	-24.234348068129	VS	100	1
-46.831038294517	-24.163439106117	VS	70	1	-46.912124878504	-24.222187572998	VS	70	1
-46.831673112157	-24.161588111337	VS	70	1	-46.815833550856	-24.187189156327	VS	150	1
-46.831943703788	-24.161817998931	VS	70	1	-46.815686210076	-24.186994597341	VS	70	1
-46.88614911478	-24.225539955668	VS	100	1	-46.816125026273	-24.187205077676	VS	150	1
-46.886448417398	-24.225332363514	VS	100	1	-46.816472011272	-24.187227681721	VS	150	1
-46.886233538711	-24.224929660285	VS	100	1	-46.837895061307	-24.159496281445	VS	100	1
-46.885938354467	-24.224765523609	VS	100	1	-46.837654561564	-24.159284221685	VS	100	1
-46.885909493007	-24.224970651967	VS	100	1	-46.788975054293	-24.176352450157	VS	100	1
-46.885581084365	-24.225196371786	VS	100	1	-46.775843849308	-24.150750456282	VS	70	1
-46.885262284809	-24.225413099978	VS	100	1	-46.781004276035	-24.172958662007	VS	70	1
-46.88521306391	-24.224610445722	VS	100	1	-46.870862255399	-24.228169528024	VS	100	1
-46.884904080296	-24.224827096352	VS	100	1	-46.870462058208	-24.217239206557	VS	100	1
-46.884877969069	-24.226691844851	VS	100	1	-46.916427270099	-24.21898760587	VS	70	1
-46.884724915104	-24.225256389194	VS	100	1	-46.915978882423	-24.219328926763	VS	70	1
-46.77203430694	-24.17758372168	VS	100	1	-46.915453200077	-24.219710385675	VS	70	1
-46.777139686137	-24.178159446807	VS	100	1	-46.915097001785	-24.219977817702	VS	70	1
-46.776895115739	-24.178328566121	VS	100	1	-46.91480120751	-24.220207144272	VS	70	1
-46.776896656968	-24.179074737453	VS	250	1	-46.870201099122	-24.217009278595	VS	100	1
-46.776839947932	-24.177340260356	VS	100	1	-46.870196619241	-24.221916867133	VS	70	1
-46.776695594859	-24.178475007373	VS	100	1	-46.815707361714	-24.190219317994	VS	250	2
-46.776678178137	-24.178969286436	VS	250	1	-46.815441136353	-24.188433686473	VS	100	1
-46.776526813536	-24.177515022969	VS	100	1	-46.815347447159	-24.187551701191	VS	100	1
-46.77649100306	-24.178869418993	VS	250	1	-46.779770464424	-24.171140272926	VS	250	1
-46.776453962473	-24.178646488327	VS	100	1	-46.781491630786	-24.169921474166	VS	250	1
-46.776281571964	-24.177687828162	VS	100	1	-46.86378556209	-24.20918528105	VS	70	1
-46.83096720914	-24.161848711763	VS	70	1	-46.86435491608	-24.20877040722	VS	70	1
-46.830721801762	-24.16163101662	VS	70	1	-46.916893576245	-24.218634970736	VS	70	1
-46.830478231894	-24.161268617966	VS	70	1	-46.87259097706	-24.220220175361	VS	70	1
-46.830471273712	-24.161418816036	VS	70	1	-46.927838280146	-24.207087638183	VS	70	1
-46.83024123775	-24.161233422058	VS	70	1	-46.788585678226	-24.159542980379	VS	100	1
-46.830248341522	-24.161502350426	VS	70	1	-46.789346862931	-24.158710854491	VS	100	1
-46.830018178692	-24.161727212158	VS	70	1	-46.822027084894	-24.186522663261	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.829980681164	-24.161012371941	VS	70	1	-46.821732135203	-24.186318304307	VS	100	1
-46.834738216251	-24.163408499413	VS	100	1	-46.822312834292	-24.18670086612	VS	100	1
-46.835702288497	-24.16422437289	VS	100	1	-46.82143339683	-24.186133396587	VS	100	1
-46.835472218491	-24.164030247961	VS	100	1	-46.821133955987	-24.185956790862	VS	100	1
-46.884661868922	-24.224159775272	VS	100	1	-46.822340784541	-24.186962124447	VS	100	1
-46.884717165215	-24.226507359915	VS	100	1	-46.82252994729	-24.186838532607	VS	100	1
-46.884585271016	-24.225043822832	VS	100	1	-46.822156923487	-24.187211499853	VS	100	1
-46.88457341102	-24.226518002218	VS	100	1	-46.821966007255	-24.18748067878	VS	100	1
-46.884410927946	-24.224340262391	VS	100	1	-46.820921264546	-24.185821065348	VS	100	1
-46.884453559214	-24.226700857081	VS	100	1	-46.819658038647	-24.185944933876	VS	100	1
-46.884396131783	-24.225062775769	VS	100	1	-46.819556409184	-24.185544004304	VS	100	1
-46.884288819533	-24.225240064371	VS	100	1	-46.819820074498	-24.185774699864	VS	100	1
-46.884300337646	-24.226357553516	VS	100	1	-46.820199123894	-24.186002478548	VS	100	1
-46.884159608583	-24.224502859101	VS	100	1	-46.820457435836	-24.186151836998	VS	100	1
-46.884139734602	-24.226912523496	VS	100	1	-46.820766147161	-24.186336785974	VS	100	1
-46.884067048442	-24.224860191233	VS	100	1	-46.82107517547	-24.18653072307	VS	100	1
-46.884005283877	-24.2254232565	VS	100	1	-46.821384291146	-24.186714482949	VS	100	1
-46.818784782213	-24.183100143088	VS	100	1	-46.819929213784	-24.185834489625	VS	100	1
-46.776171330471	-24.178714205634	VS	250	1	-46.876582932248	-24.225285632365	VS	70	1
-46.776174168041	-24.178853765861	VS	100	1	-46.876924761784	-24.225457209689	VS	100	1
-46.776026350255	-24.177885212131	VS	100	1	-46.877223960801	-24.225608055378	VS	100	1
-46.775926003868	-24.178620982159	VS	100	1	-46.774616740279	-24.151981891945	VS	70	1
-46.77588455606	-24.179052070183	VS	100	1	-46.876841805296	-24.225685942005	VS	100	1
-46.775737631371	-24.178094946006	VS	100	1	-46.877371686225	-24.226151613937	VS	100	1
-46.860667047236	-24.16439713761	VS	100	1	-46.877110917621	-24.226332163439	VS	100	1
-46.775492885855	-24.178286317686	VS	100	1	-46.876262778564	-24.226091895477	VS	100	1
-46.860414016757	-24.164104730471	VS	100	1	-46.877112495229	-24.225496185715	VS	100	1
-46.775194731984	-24.178500783131	VS	100	1	-46.850882346855	-24.219449982231	VS	100	1
-46.774667983162	-24.177428326427	VS	100	1	-46.850679277484	-24.219676093599	VS	100	1
-46.860156701606	-24.163829400686	VS	100	1	-46.838798471357	-24.203288795861	VS	70	1
-46.859905443553	-24.16355520901	VS	100	1	-46.868046345844	-24.222329737587	VS	70	1
-46.859657037534	-24.163279156059	VS	100	1	-46.86787702737	-24.22232924864	VS	70	1
-46.859399826922	-24.163000383934	VS	100	1	-46.887618309849	-24.233845063416	VS	100	1
-46.859156943447	-24.162742657438	VS	100	1	-46.887800391981	-24.241769962085	VS	100	1
-46.834490542849	-24.163216993363	VS	100	1	-46.899914295664	-24.240781467197	VS	100	1
-46.834217103272	-24.16295687267	VS	100	1	-46.901973306398	-24.230663010419	VS	70	1
-46.830561435908	-24.163909304735	VS	70	1	-46.747029418782	-24.159562176343	VS	100	1
-46.830322184417	-24.164151814593	VS	70	1	-46.888992594973	-24.235814927271	VS	100	1
-46.830091795733	-24.164367743776	VS	70	1	-46.888694474903	-24.235674562253	VS	100	1
-46.829852208217	-24.164610559055	VS	70	1	-46.888396131694	-24.235525264341	VS	100	1
-46.82964119572	-24.164817451915	VS	70	1	-46.890122803237	-24.235741405034	VS	100	1
-46.884001243788	-24.226181396355	VS	100	1	-46.889810422123	-24.23559009805	VS	100	1
-46.883957047933	-24.224656217368	VS	100	1	-46.885443372859	-24.234717086402	VS	100	1
-46.883748258332	-24.224675376785	VS	100	1	-46.885148609226	-24.234566761588	VS	100	1
-46.88369305985	-24.225992910444	VS	100	1	-46.903753042438	-24.231814759567	VS	100	1
-46.883637314172	-24.224034177565	VS	100	1	-46.889828932424	-24.236446707388	VS	100	1
-46.883439254811	-24.22449047516	VS	100	1	-46.890189603014	-24.23641895435	VS	100	1
-46.883406455443	-24.225035452898	VS	100	1	-46.794607436291	-24.162593181457	VS	70	1
-46.88337060641	-24.225793866955	VS	100	1	-46.794798148337	-24.162831615276	VS	70	1
-46.883280102618	-24.224286900972	VS	100	1	-46.795025826881	-24.163112930189	VS	70	1
-46.883135881433	-24.225216091045	VS	100	1	-46.795149432473	-24.163254384657	VS	70	1
-46.883054041624	-24.225608921834	VS	100	1	-46.749983913885	-24.158046626937	VS	100	1
-46.882999959842	-24.224476512743	VS	100	1	-46.779150562856	-24.170873740264	VS	100	1
-46.88287856228	-24.225395140095	VS	100	1	-46.842470875279	-24.202594953865	VS	70	1
-46.774243102009	-24.177734955255	VS	100	1	-46.794482694243	-24.18016067524	VS	100	1
-46.774209265259	-24.177550574239	VS	100	1	-46.720358420342	-24.141986787973	VS	100	1
-46.773982533056	-24.177924244165	VS	100	1	-46.794700489394	-24.179911581568	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.773732196192	-24.178134011716	VS	100	1	-46.795017083399	-24.179379541859	VS	100	1
-46.773514385133	-24.177927446543	VS	100	1	-46.720024030265	-24.142196871904	VS	100	1
-46.773520272901	-24.178305095425	VS	100	1	-46.855130469017	-24.214705543468	VS	70	1
-46.773266715136	-24.178493892348	VS	100	1	-46.904169101736	-24.224627056772	VS	100	1
-46.77289108946	-24.178149007264	VS	100	1	-46.903891622191	-24.224836835268	VS	100	1
-46.772030178345	-24.177646581256	VS	100	1	-46.903617346417	-24.225029450698	VS	100	1
-46.771693232839	-24.177444800617	VS	100	1	-46.854907952459	-24.21443960173	VS	70	1
-46.776504550824	-24.179596512474	VS	70	1	-46.854695694763	-24.214191421971	VS	70	1
-46.829430564996	-24.165033127517	VS	70	1	-46.783648405602	-24.155289656808	VS	100	1
-46.830795326462	-24.164291463527	VS	70	1	-46.783249115064	-24.155605802529	VS	100	1
-46.827624895804	-24.165577227136	VS	70	1	-46.782684328179	-24.156033325107	VS	100	1
-46.827861464246	-24.165806550482	VS	70	1	-46.782217597062	-24.156405363999	VS	100	1
-46.830554719674	-24.164088000282	VS	70	1	-46.781601047901	-24.156894486278	VS	100	1
-46.829574671597	-24.164057971677	VS	70	1	-46.781063794752	-24.157303407378	VS	100	1
-46.882615638113	-24.225576326978	VS	100	1	-46.79687022165	-24.162623493487	VS	70	1
-46.882384001745	-24.225202216626	VS	100	1	-46.797502734001	-24.163425545072	VS	70	1
-46.882333973235	-24.225766977834	VS	100	1	-46.797134434705	-24.163581722876	VS	70	1
-46.882182768988	-24.226124585822	VS	100	1	-46.796788593379	-24.163723958991	VS	70	1
-46.882079882749	-24.225020465131	VS	100	1	-46.796624948334	-24.163780704559	VS	70	1
-46.88204826713	-24.225949980826	VS	100	1	-46.787896779558	-24.159617954388	VS	70	1
-46.88191809941	-24.225950619809	VS	100	1	-46.796435926121	-24.163853780326	VS	70	1
-46.881787847522	-24.224842701185	VS	100	1	-46.796503081306	-24.163498660989	VS	70	1
-46.881793444335	-24.22613690358	VS	100	1	-46.796324144374	-24.163221650585	VS	70	1
-46.881584228884	-24.225754491376	VS	100	1	-46.796013810175	-24.162986236091	VS	70	1
-46.776856091771	-24.179232927955	VS	70	1	-46.796567343334	-24.162752570967	VS	70	1
-46.777034992275	-24.179046642182	VS	100	1	-46.796725532878	-24.162830100925	VS	70	1
-46.77668038099	-24.180289963885	VS	70	1	-46.796894511276	-24.163100065132	VS	70	1
-46.77637272013	-24.180149472878	VS	70	1	-46.741731122036	-24.153045305512	VS	70	1
-46.776084483158	-24.179999927709	VS	70	1	-46.741146754934	-24.152734353156	VS	70	1
-46.751372661245	-24.161868265483	VS	250	1	-46.740865760958	-24.152768147649	VS	70	1
-46.7512434057	-24.161797827382	VS	150	1	-46.743993932677	-24.152347112915	VS	70	1
-46.752613869261	-24.161383849836	VS	250	1	-46.743683250438	-24.152186026096	VS	70	1
-46.75244309389	-24.16165341014	VS	250	1	-46.744657597689	-24.153276899305	VS	70	1
-46.752321108272	-24.161886069339	VS	250	1	-46.745119533284	-24.152307940508	VS	70	1
-46.752596005465	-24.16130615187	VS	250	1	-46.744821377325	-24.152149495697	VS	70	1
-46.752963388081	-24.161473177845	VS	250	1	-46.772270797299	-24.167295224837	VS	70	1
-46.752278191642	-24.161147855388	VS	70	1	-46.772531344054	-24.167105936036	VS	70	1
-46.881666387725	-24.228574034738	VS	100	1	-46.772763082927	-24.166943624125	VS	70	1
-46.881956183645	-24.228375392252	VS	100	1	-46.773004630485	-24.166781241503	VS	70	1
-46.886161498001	-24.238611615422	VS	100	1	-46.773265265328	-24.166591899548	VS	100	1
-46.88591049577	-24.236184795848	VS	100	1	-46.773545407509	-24.166402485473	VS	70	1
-46.885621299717	-24.236008636803	VS	100	1	-46.773767613694	-24.166238933436	VS	100	1
-46.885351988978	-24.235841256821	VS	100	1	-46.774085914387	-24.166014839219	VS	100	1
-46.75193454687	-24.161543155402	VS	100	1	-46.774400271731	-24.165784242665	VS	70	1
-46.751626336422	-24.161375875577	VS	70	1	-46.774710394397	-24.165574759719	VS	70	1
-46.752193058302	-24.161684039381	VS	250	1	-46.774877563149	-24.165455811648	VS	70	1
-46.752474007989	-24.161817660285	VS	70	1	-46.775147911736	-24.165266446864	VS	70	1
-46.751268498952	-24.161191009786	VS	100	1	-46.769366531269	-24.173580216808	VS	100	1
-46.750921610754	-24.161017050982	VS	70	1	-46.812656314745	-24.191238015702	VS	250	2
-46.751629225902	-24.1609070785	VS	100	1	-46.81234830405	-24.190084288028	VS	100	1
-46.751478961988	-24.161142959936	VS	100	1	-46.809378248611	-24.194556864822	VS	100	1
-46.750935417736	-24.161630669592	VS	100	1	-46.809081816304	-24.194068367034	VS	100	1
-46.753042411411	-24.163342221715	VS	100	1	-46.889862819191	-24.233686416632	VS	100	1
-46.84927081476	-24.211858481044	VS	100	1	-46.889548364197	-24.233463714937	VS	100	1
-46.843884801411	-24.203556239439	VS	100	1	-46.887276033424	-24.233017138783	VS	100	1
-46.844087566636	-24.20324174157	VS	100	1	-46.775314577782	-24.108922032421	VS	100	1
-46.851292852703	-24.209228592896	VS	100	1	-46.776494369087	-24.167502030753	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.850950724754	-24.212227370754	VS	70	1	-46.761841995055	-24.163775941954	VS	100	1
-46.906295786028	-24.223073496074	VS	100	1	-46.762430521824	-24.163343381528	VS	100	1
-46.749689234367	-24.161981313242	VS	100	1	-46.761552418748	-24.16398326391	VS	100	1
-46.753008425132	-24.160800344772	VS	100	1	-46.825346160294	-24.187757871723	VS	250	1
-46.746766419316	-24.160483053573	VS	100	1	-46.829258176097	-24.189111455851	VS	70	1
-46.746483521026	-24.160322583703	VS	100	1	-46.828953712342	-24.189902466379	VS	250	1
-46.906029667972	-24.223287615655	VS	100	1	-46.835169341006	-24.198729461827	VS	100	1
-46.905778904363	-24.223468038283	VS	100	1	-46.90021313225	-24.232485470221	VS	70	1
-46.856734436693	-24.216638358557	VS	100	1	-46.78949820211	-24.163563250372	VS	70	1
-46.856403544724	-24.216470131538	VS	100	1	-46.789463780818	-24.16326346142	VS	70	1
-46.796086626293	-24.163998957533	VS	70	1	-46.779505714265	-24.176180680817	VS	100	1
-46.797007755985	-24.162057830779	VS	70	1	-46.780408724362	-24.164613495424	VS	100	1
-46.795823980018	-24.164099084971	VS	70	1	-46.779258942185	-24.164037414477	VS	100	1
-46.888753815783	-24.238785210854	VS	100	1	-46.828261820359	-24.203998914169	VS	100	1
-46.888484728421	-24.238626767807	VS	100	1	-46.777519330637	-24.166022296318	VS	100	1
-46.74735060869	-24.161924640191	VS	100	1	-46.777051736463	-24.167579915311	VS	100	1
-46.747370804032	-24.164222360733	VS	100	1	-46.870010384602	-24.227300619732	VS	100	1
-46.747178606694	-24.162978386451	VS	100	1	-46.82779643664	-24.190147648582	VS	70	1
-46.747194352861	-24.163991730701	VS	100	1	-46.823268764071	-24.193039896913	VS	70	1
-46.74704551745	-24.162111944438	VS	100	1	-46.791372235895	-24.165705684675	VS	70	1
-46.74691017228	-24.16282870649	VS	100	1	-46.788296202022	-24.179084559528	VS	100	1
-46.746874652292	-24.162363112012	VS	100	1	-46.894092185319	-24.199697899975	VS	70	1
-46.746732751838	-24.162587086343	VS	100	1	-46.861004829363	-24.200240656918	VS	70	1
-46.794700391773	-24.16352784053	VS	70	1	-46.904148977171	-24.250133334761	VS	100	1
-46.792639456973	-24.165347516569	VS	70	1	-46.845701219148	-24.167445662885	VS	70	1
-46.792349708773	-24.165545981226	VS	70	1	-46.743705067331	-24.157705216617	VS	70	1
-46.792069987133	-24.165753296341	VS	70	1	-46.765795949081	-24.159643422874	VS	100	1
-46.791770417715	-24.165951839889	VS	70	1	-46.874844624978	-24.230003742361	VS	100	1
-46.791739474126	-24.166140677137	VS	70	1	-46.786646073476	-24.18162484174	VS	150	1
-46.79177504228	-24.165327307914	VS	70	1	-46.746132430456	-24.159678278717	VS	100	1
-46.792064582395	-24.165119922019	VS	70	1	-46.747226668495	-24.159521696887	VS	100	1
-46.773877678156	-24.154046191209	VS	100	1	-46.741155241748	-24.159613052551	VS	100	1
-46.774159522108	-24.154191517707	VS	100	1	-46.740176181524	-24.15695266688	VS	100	1
-46.77356253504	-24.15388121477	VS	100	1	-46.789359010344	-24.178425764031	VS	100	1
-46.88748218908	-24.238801649727	VS	100	1	-46.810863046099	-24.188612989033	VS	100	1
-46.746642644462	-24.162731088631	VS	100	1	-46.836735034729	-24.185170276941	VS	70	1
-46.746561919197	-24.16264859628	VS	100	1	-46.82613953994	-24.182490231635	VS	70	1
-46.746521005238	-24.161928345009	VS	100	1	-46.737693202874	-24.158747553272	VS	100	1
-46.746446282864	-24.163041360872	VS	100	1	-46.737323435703	-24.157689760918	VS	100	1
-46.746446687812	-24.163700455667	VS	100	1	-46.735558331665	-24.156555284554	VS	100	1
-46.746303505148	-24.162493993372	VS	100	1	-46.735166838437	-24.155818738725	VS	100	1
-46.746356998531	-24.163194888188	VS	100	1	-46.741101850193	-24.154622602035	VS	100	1
-46.746210029285	-24.162399559848	VS	100	1	-46.74223203515	-24.153782435191	VS	100	1
-46.746165121444	-24.163492266866	VS	100	1	-46.790730715816	-24.17754452702	VS	100	1
-46.746047487351	-24.162663382052	VS	100	1	-46.792274033115	-24.182647341358	VS	250	1
-46.746035236536	-24.162344415881	VS	100	1	-46.732313677208	-24.149126820691	VS	100	1
-46.745877121811	-24.1629322775	VS	100	1	-46.88439914016	-24.226015556057	VS	100	1
-46.792383133257	-24.164894467019	VS	70	1	-46.797079671088	-24.160549400156	VS	70	1
-46.79200985832	-24.164459886431	VS	70	1	-46.787250673885	-24.177337356206	VS	100	1
-46.794310384443	-24.162234604983	VS	70	1	-46.790746451535	-24.177272297734	VS	100	1
-46.797278288675	-24.161877343743	VS	70	1	-46.777649261313	-24.177801677671	VS	100	1
-46.797568230476	-24.161687780847	VS	70	1	-46.864587576252	-24.209045330821	VS	70	1
-46.797748868932	-24.1616757977	VS	70	1	-46.866663294594	-24.207181694749	VS	70	1
-46.794442012654	-24.16240313956	VS	70	1	-46.797697965907	-24.159407366664	VS	70	1
-46.791897769783	-24.163974578672	VS	70	1	-46.90407015512	-24.233380567059	VS	100	1
-46.791723172634	-24.163953308807	VS	70	1	-46.781682181342	-24.172800154005	VS	70	1
-46.792084300181	-24.16419449875	VS	70	1	-46.797190135134	-24.158184048911	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.79170884415	-24.163761786847	VS	70	1	-46.783676185254	-24.167950346857	VS	70	1
-46.795600381928	-24.164189993973	VS	70	1	-46.904187396131	-24.2323104066	VS	70	1
-46.88717654466	-24.238606843325	VS	100	1	-46.86943985787	-24.229837593309	VS	100	1
-46.886973542363	-24.238543867979	VS	100	1	-46.901552088479	-24.236972387472	VS	100	1
-46.886886700878	-24.238418820763	VS	100	1	-46.855691428077	-24.21590374135	VS	100	1
-46.886705336456	-24.238971373193	VS	100	1	-46.762240444939	-24.167131835635	VS	100	1
-46.886667287399	-24.238761413112	VS	100	1	-46.878740335988	-24.227410763453	VS	100	1
-46.886589418893	-24.238223022514	VS	100	1	-46.870704854577	-24.220728854092	VS	70	1
-46.886483880966	-24.23583512476	VS	100	1	-46.778354154518	-24.17680632479	VS	100	1
-46.886409175723	-24.236493109035	VS	100	1	-46.778055841453	-24.176639104186	VS	100	1
-46.886428960175	-24.235635518741	VS	100	1	-46.762445571887	-24.172319289512	VS	100	1
-46.886411093566	-24.238770337042	VS	100	1	-46.730680939342	-24.154801074541	VS	100	1
-46.745862452346	-24.162251255612	VS	100	1	-46.72953967537	-24.154195859106	VS	100	1
-46.745678159584	-24.163237057562	VS	100	1	-46.726180619378	-24.15131532165	VS	100	1
-46.745637138977	-24.162124036787	VS	100	1	-46.729676365362	-24.153459659606	VS	100	1
-46.745581278231	-24.163215923223	VS	100	1	-46.72949138754	-24.154106659942	VS	100	1
-46.745397645944	-24.161989750076	VS	100	1	-46.72887248603	-24.153845297659	VS	100	1
-46.745290585904	-24.163034677675	VS	100	1	-46.72915557833	-24.153997868456	VS	100	1
-46.745229491728	-24.162936857011	VS	100	1	-46.728602193063	-24.153693130414	VS	100	1
-46.74508805237	-24.161935472728	VS	100	1	-46.84381861474	-24.21192087572	VS	70	1
-46.74491687067	-24.161962514057	VS	100	1	-46.728305990075	-24.1535298054	VS	100	1
-46.744913908649	-24.16184364387	VS	100	1	-46.728120024724	-24.153404280591	VS	100	1
-46.79481264884	-24.161709860856	VS	70	1	-46.727714988867	-24.153201759846	VS	100	1
-46.7943044559	-24.162070263122	VS	70	1	-46.726370172893	-24.152382380551	VS	100	1
-46.7940791717	-24.161982033323	VS	70	1	-46.726157933756	-24.151907639281	VS	100	1
-46.793993414891	-24.162283092243	VS	70	1	-46.726003371293	-24.151444613321	VS	100	1
-46.793847965967	-24.161702919028	VS	70	1	-46.72579943041	-24.15159860593	VS	100	1
-46.793778897951	-24.161613323505	VS	70	1	-46.725455999635	-24.151850574726	VS	100	1
-46.793697773504	-24.16249164873	VS	70	1	-46.725320116464	-24.151872184613	VS	100	1
-46.793540700927	-24.161621593296	VS	70	1	-46.725064220552	-24.151291008775	VS	100	1
-46.793443341302	-24.162678704162	VS	70	1	-46.725060353283	-24.150996424852	VS	100	1
-46.793227351382	-24.161836502824	VS	70	1	-46.843342336642	-24.211384900847	VS	70	1
-46.793269870002	-24.163948180296	VS	70	1	-46.842713784434	-24.211115769838	VS	70	1
-46.886309934495	-24.238037948358	VS	100	1	-46.842269968318	-24.211440398153	VS	70	1
-46.886179808055	-24.236352175028	VS	100	1	-46.841294574534	-24.21233263358	VS	70	1
-46.886149973529	-24.235659307158	VS	100	1	-46.841102856625	-24.212111326841	VS	70	1
-46.886107971988	-24.23585522525	VS	100	1	-46.841070440826	-24.212273803928	VS	70	1
-46.885871499238	-24.235518774541	VS	100	1	-46.724479257658	-24.151421080472	VS	100	1
-46.885848641614	-24.236046936184	VS	100	1	-46.724359298998	-24.151411222398	VS	100	1
-46.885871944577	-24.238417684121	VS	100	1	-46.724161996594	-24.151306516097	VS	100	1
-46.885587234315	-24.236214263889	VS	100	1	-46.725978804886	-24.150945585518	VS	100	1
-46.885593025328	-24.235378250501	VS	100	1	-46.726615044595	-24.151253890704	VS	100	1
-46.744646708716	-24.162160742116	VS	100	1	-46.726932611709	-24.151412137892	VS	100	1
-46.743914067019	-24.161517228571	VS	100	1	-46.727200877843	-24.151552981398	VS	100	1
-46.743748438629	-24.162042904959	VS	100	1	-46.729047525454	-24.152317583635	VS	100	1
-46.743577931127	-24.160205617994	VS	100	1	-46.728785357073	-24.152183810708	VS	100	1
-46.743562935444	-24.161334101839	VS	100	1	-46.840434805864	-24.212200453809	VS	70	1
-46.743379284749	-24.160524567006	VS	100	1	-46.72831736606	-24.152740220719	VS	100	1
-46.743253635699	-24.160720647395	VS	100	1	-46.728025729653	-24.152565528976	VS	100	1
-46.743261479595	-24.161787643997	VS	100	1	-46.727435056454	-24.152240467137	VS	100	1
-46.743226738461	-24.16115428582	VS	100	1	-46.728647355601	-24.152905033882	VS	70	1
-46.793142934894	-24.162892870805	VS	70	1	-46.728992203678	-24.153089258327	VS	100	1
-46.793030125452	-24.161971872484	VS	70	1	-46.729331407292	-24.153276019417	VS	100	1
-46.792954327075	-24.163888090797	VS	70	1	-46.729749987815	-24.153920477435	VS	100	1
-46.792946477813	-24.163027810609	VS	70	1	-46.730233185104	-24.153784954963	VS	100	1
-46.792788598398	-24.162134291512	VS	70	1	-46.730574447669	-24.153962224146	VS	100	1
-46.792619146473	-24.163828143289	VS	70	1	-46.730907631885	-24.154149913349	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792598559345	-24.163276988048	VS	70	1	-46.731246706925	-24.154335107498	VS	100	1
-46.792508459276	-24.162323763574	VS	70	1	-46.843547281241	-24.211885698312	VS	70	1
-46.792338911584	-24.163785698347	VS	70	1	-46.843345154699	-24.212245616561	VS	70	1
-46.792280875856	-24.163485446133	VS	70	1	-46.84330570074	-24.212048192862	VS	70	1
-46.792219144917	-24.162540073998	VS	70	1	-46.843234954037	-24.211263682277	VS	70	1
-46.827875426403	-24.202612428712	VS	100	1	-46.842997190599	-24.211853520965	VS	70	1
-46.743114430736	-24.160943232697	VS	100	1	-46.843074083642	-24.212210517547	VS	70	1
-46.742960233723	-24.161177569536	VS	100	1	-46.842945540417	-24.210953350149	VS	70	1
-46.742938182994	-24.160995634908	VS	100	1	-46.842755757296	-24.21157472228	VS	70	1
-46.742916599658	-24.16161511237	VS	100	1	-46.842853069303	-24.212359959067	VS	70	1
-46.742808701878	-24.161419806046	VS	100	1	-46.833829394193	-24.201958980034	VS	70	1
-46.742600455557	-24.16080633576	VS	100	1	-46.731408843223	-24.154431932453	VS	100	1
-46.742655171039	-24.161470724289	VS	100	1	-46.731686562113	-24.154571925259	VS	100	1
-46.74575785249	-24.161143057824	VS	100	1	-46.730240965557	-24.153580191553	VS	100	1
-46.746085576346	-24.161226860807	VS	100	1	-46.730632570168	-24.153407499206	VS	100	1
-46.792106285429	-24.163742684189	VS	70	1	-46.730499829439	-24.153386027324	VS	100	1
-46.791948813263	-24.162729473223	VS	70	1	-46.730920287138	-24.153566408021	VS	100	1
-46.791955225671	-24.163748273973	VS	70	1	-46.731227421157	-24.15372320102	VS	100	1
-46.791645486051	-24.162941247845	VS	70	1	-46.731516758901	-24.153891908877	VS	100	1
-46.793865925736	-24.16138852856	VS	70	1	-46.731815539838	-24.154067101467	VS	100	1
-46.88391746536	-24.23746123601	VS	100	1	-46.73211419563	-24.154217443766	VS	100	1
-46.791558733928	-24.162116438013	VS	70	1	-46.730901754542	-24.153301730311	VS	100	1
-46.791880051689	-24.161900156719	VS	70	1	-46.73119989119	-24.153460200402	VS	100	1
-46.792063940984	-24.161885529481	VS	70	1	-46.830946438363	-24.194093777332	VS	100	1
-46.746315924047	-24.161351875451	VS	100	1	-46.842688859891	-24.211501223796	VS	70	1
-46.746555240474	-24.161478456558	VS	100	1	-46.84265016695	-24.212340202148	VS	70	1
-46.745796994978	-24.161322612073	VS	100	1	-46.842401785893	-24.212055884378	VS	70	1
-46.745563526256	-24.161493883215	VS	100	1	-46.842240248348	-24.209794919989	VS	70	1
-46.746103642173	-24.161097579067	VS	100	1	-46.842177689723	-24.211799928007	VS	70	1
-46.746412838331	-24.160884237429	VS	100	1	-46.841958606018	-24.211587881926	VS	70	1
-46.746625189424	-24.160736942007	VS	100	1	-46.841890008357	-24.209623728742	VS	70	1
-46.747044753939	-24.160632721239	VS	100	1	-46.841683695116	-24.211757135049	VS	70	1
-46.745437843164	-24.162614164802	VS	100	1	-46.841685764633	-24.210491187603	VS	70	1
-46.747031699459	-24.164012791693	VS	100	1	-46.841631448997	-24.209483057062	VS	70	1
-46.746764770542	-24.16386773316	VS	100	1	-46.731488424642	-24.153627668634	VS	100	1
-46.74351979364	-24.161919638058	VS	100	1	-46.73178676704	-24.153795059667	VS	100	1
-46.744996390815	-24.162892082137	VS	70	1	-46.732075088154	-24.153953604822	VS	100	1
-46.792159861765	-24.161701841234	VS	70	1	-46.732403089731	-24.15412970528	VS	100	1
-46.792381760352	-24.1615395751	VS	70	1	-46.730868876545	-24.153138307437	VS	100	1
-46.792705342655	-24.160355624197	VS	70	1	-46.731289755108	-24.152974853935	VS	100	1
-46.792595739314	-24.161387160434	VS	70	1	-46.73112964499	-24.152958006793	VS	100	1
-46.792864584228	-24.161205814747	VS	70	1	-46.731568470415	-24.153142380325	VS	100	1
-46.793055125948	-24.161058801439	VS	70	1	-46.731867025884	-24.153318693234	VS	100	1
-46.793367988534	-24.16084040754	VS	70	1	-46.732155141977	-24.153468316213	VS	100	1
-46.8326958914	-24.186911235077	VS	70	1	-46.732463372536	-24.15364446647	VS	100	1
-46.793390008708	-24.16116625234	VS	70	1	-46.841501502461	-24.211664957258	VS	70	1
-46.883647290698	-24.237659717577	VS	100	1	-46.841411369334	-24.211917910974	VS	70	1
-46.88290817742	-24.236211782594	VS	100	1	-46.841387418242	-24.21035056337	VS	70	1
-46.88270152487	-24.236282417269	VS	100	1	-46.841304227522	-24.20932082501	VS	70	1
-46.882522035323	-24.235830553785	VS	100	1	-46.841289277613	-24.211416762816	VS	70	1
-46.744718975827	-24.162731238965	VS	70	1	-46.841273940809	-24.212124291936	VS	70	1
-46.742884653021	-24.161303024907	VS	100	1	-46.841111996136	-24.210435834234	VS	70	1
-46.746444583157	-24.159837420466	VS	100	1	-46.841059211604	-24.210183507052	VS	70	1
-46.755060608343	-24.161527632253	VS	100	1	-46.841077053268	-24.21116857719	VS	70	1
-46.755409422178	-24.161544856097	VS	100	1	-46.841014936266	-24.20917541699	VS	70	1
-46.757577640745	-24.161444068863	VS	100	1	-46.840890843258	-24.211872054609	VS	70	1
-46.759829645786	-24.162631129148	VS	100	1	-46.730100175686	-24.15223911854	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.754940983125	-24.161704878414	VS	100	1	-46.72985567665	-24.15210637457	VS	100	1
-46.754871281895	-24.161823427761	VS	100	1	-46.72969610308	-24.152102964911	VS	100	1
-46.754566235629	-24.161696928656	VS	100	1	-46.730016572083	-24.151905416602	VS	100	1
-46.754374506544	-24.161587553353	VS	100	1	-46.729533551524	-24.151911628317	VS	100	1
-46.754195294862	-24.161415616603	VS	100	1	-46.729158442696	-24.151687619755	VS	100	1
-46.793691318983	-24.160631777622	VS	70	1	-46.840839649071	-24.212440285819	VS	70	1
-46.79411651387	-24.161209516191	VS	70	1	-46.840731322826	-24.21002544791	VS	70	1
-46.794333126253	-24.161060624565	VS	70	1	-46.840636677013	-24.212422084103	VS	70	1
-46.79457815492	-24.160885100148	VS	70	1	-46.840411330555	-24.209486725875	VS	70	1
-46.794796679226	-24.160727316832	VS	70	1	-46.840403445057	-24.209867379427	VS	70	1
-46.795145248659	-24.160487004584	VS	70	1	-46.840269663182	-24.209719822174	VS	70	1
-46.795440102312	-24.160278278474	VS	70	1	-46.840233481615	-24.211996789431	VS	70	1
-46.795677100181	-24.160114133601	VS	70	1	-46.840056502092	-24.209965794066	VS	70	1
-46.7959383765	-24.159923367552	VS	70	1	-46.840045647238	-24.209691685727	VS	70	1
-46.79622600906	-24.159734906237	VS	70	1	-46.731039037788	-24.15172242203	VS	100	1
-46.887074119052	-24.240033247144	VS	100	1	-46.730765612085	-24.151576734214	VS	100	1
-46.882344639716	-24.236608284721	VS	100	1	-46.731587573128	-24.152012265885	VS	100	1
-46.882289384028	-24.236929377976	VS	100	1	-46.731861799564	-24.152153142632	VS	100	1
-46.88196225165	-24.236236605513	VS	100	1	-46.732137301524	-24.152308262867	VS	100	1
-46.886717178347	-24.235958131649	VS	70	1	-46.730797489015	-24.151270222776	VS	100	1
-46.887989972895	-24.236590383582	VS	70	1	-46.732424617306	-24.150940273402	VS	100	1
-46.887025550224	-24.236116269896	VS	70	1	-46.732163883043	-24.150802029734	VS	100	1
-46.887323892672	-24.236265570467	VS	70	1	-46.839835855109	-24.210181663225	VS	70	1
-46.887661957147	-24.236432400671	VS	70	1	-46.839727584257	-24.209533550852	VS	70	1
-46.888648532162	-24.23731310519	VS	100	1	-46.839409522433	-24.209375406406	VS	70	1
-46.754104055307	-24.161441579769	VS	100	1	-46.839346574838	-24.209211393579	VS	70	1
-46.754364940318	-24.161157805646	VS	100	1	-46.839190207943	-24.209495009674	VS	70	1
-46.754603916903	-24.161113341064	VS	100	1	-46.731689608197	-24.15255659541	VS	100	1
-46.754489821501	-24.160954480366	VS	100	1	-46.731414583749	-24.152747857025	VS	100	1
-46.754275732208	-24.160928398081	VS	100	1	-46.765187240968	-24.170354037323	VS	100	1
-46.755188834397	-24.161906098884	VS	100	1	-46.76495570359	-24.170525257868	VS	100	1
-46.755081045385	-24.161368609236	VS	100	1	-46.764502115029	-24.170849705037	VS	100	1
-46.754902087587	-24.161271770569	VS	100	1	-46.764230697524	-24.17103968509	VS	100	1
-46.755202834368	-24.161303161566	VS	100	1	-46.765195855544	-24.170255718491	VS	100	1
-46.755429312243	-24.161155128583	VS	100	1	-46.764986237897	-24.170129718784	VS	100	1
-46.796009947737	-24.159656752429	VS	70	1	-46.764780589302	-24.170025169144	VS	100	1
-46.794250921602	-24.160220342629	VS	70	1	-46.83910141877	-24.209226054102	VS	70	1
-46.794584718619	-24.159985511009	VS	70	1	-46.839029766345	-24.209763943948	VS	70	1
-46.794804978592	-24.159830480178	VS	70	1	-46.838091321008	-24.209530395599	VS	70	1
-46.795069334827	-24.159641694073	VS	70	1	-46.838076084787	-24.209818909593	VS	70	1
-46.79535204139	-24.159448843009	VS	70	1	-46.837909725112	-24.209850898758	VS	70	1
-46.796964949005	-24.160757114646	VS	70	1	-46.837807678131	-24.209678295863	VS	70	1
-46.797173342318	-24.161002110337	VS	70	1	-46.764456687231	-24.169847143067	VS	100	1
-46.797375128675	-24.161232552237	VS	70	1	-46.764688284788	-24.170032653709	VS	100	1
-46.797560935586	-24.161449579183	VS	70	1	-46.764464321264	-24.170187008673	VS	100	1
-46.798152910452	-24.159957254946	VS	70	1	-46.764222964183	-24.170358297421	VS	100	1
-46.756358466304	-24.161430681757	VS	100	1	-46.764001069724	-24.17052048057	VS	100	1
-46.755737456262	-24.161729702615	VS	100	1	-46.763740207992	-24.170700899418	VS	100	1
-46.756035228332	-24.161870286375	VS	100	1	-46.763874085726	-24.171055907789	VS	100	1
-46.756373314272	-24.162055195469	VS	100	1	-46.763679761365	-24.170959560327	VS	100	1
-46.756711391452	-24.16224010367	VS	100	1	-46.763971144576	-24.171228344844	VS	100	1
-46.754639048886	-24.160709677102	VS	100	1	-46.763462989192	-24.170906719227	VS	100	1
-46.754800016902	-24.160458664658	VS	100	1	-46.763392146152	-24.170801546459	VS	100	1
-46.754549388643	-24.160462460442	VS	100	1	-46.763074667197	-24.170357646525	VS	100	1
-46.754979542515	-24.160162929389	VS	100	1	-46.762897584014	-24.172965242144	VS	100	1
-46.754890092421	-24.160017368713	VS	100	1	-46.837619709782	-24.210040531118	VS	70	1
-46.754592110467	-24.159867861103	VS	100	1	-46.837536226468	-24.209530376452	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.755083457419	-24.159992709959	VS	100	1	-46.837513162474	-24.210558458321	VS	70	1
-46.798354527091	-24.160178801251	VS	70	1	-46.837389554074	-24.211424490769	VS	70	1
-46.798546117564	-24.160400169935	VS	70	1	-46.837319870872	-24.210230227507	VS	70	1
-46.798371579217	-24.160396977552	VS	70	1	-46.837256189062	-24.20939558349	VS	70	1
-46.798641657088	-24.160207711502	VS	70	1	-46.837229644184	-24.210414265152	VS	70	1
-46.79807224018	-24.160604459134	VS	70	1	-46.83711381803	-24.210457256898	VS	70	1
-46.797772910325	-24.160811931251	VS	70	1	-46.837107558466	-24.211266688457	VS	70	1
-46.797463978859	-24.161028405997	VS	70	1	-46.836992483242	-24.209265240324	VS	70	1
-46.797145267662	-24.16124492565	VS	70	1	-46.837016705043	-24.210758928553	VS	70	1
-46.796884555202	-24.161425341015	VS	70	1	-46.762718882435	-24.172802044842	VS	100	1
-46.797838432513	-24.161498447975	VS	70	1	-46.762446327234	-24.17258437731	VS	100	1
-46.798108535725	-24.161300113982	VS	70	1	-46.763856598653	-24.169805482881	VS	100	1
-46.798417466749	-24.161083646879	VS	70	1	-46.727321612594	-24.152975773827	VS	100	1
-46.79662383222	-24.161605755556	VS	70	1	-46.727110463879	-24.152862442457	VS	100	1
-46.893507431884	-24.230388085556	VS	100	1	-46.726724249768	-24.152186567117	VS	100	1
-46.891365982002	-24.231966778794	VS	100	1	-46.726367230381	-24.151148581418	VS	100	1
-46.89059407121	-24.23253523614	VS	100	1	-46.728504584126	-24.15293165524	VS	70	1
-46.893237742178	-24.230595346717	VS	100	1	-46.731853913941	-24.151510308118	VS	70	1
-46.892977186487	-24.230784848116	VS	100	1	-46.728305013307	-24.153081284212	VS	70	1
-46.892962142179	-24.230952221273	VS	100	1	-46.851355290515	-24.211643905947	VS	70	1
-46.892716425196	-24.230965426071	VS	100	1	-46.851063000265	-24.211850102636	VS	70	1
-46.892683228677	-24.230793854902	VS	100	1	-46.850972763775	-24.212042553349	VS	70	1
-46.892446491779	-24.23117285027	VS	100	1	-46.850791321682	-24.212036980306	VS	70	1
-46.754221343684	-24.160286401703	VS	100	1	-46.850710814034	-24.212231039693	VS	70	1
-46.755217973706	-24.160193340327	VS	100	1	-46.850483965525	-24.212257524128	VS	70	1
-46.755577490054	-24.16037867664	VS	100	1	-46.72805575229	-24.153296214526	VS	70	1
-46.757682740931	-24.15967457785	VS	100	1	-46.728767197611	-24.152748832352	VS	70	1
-46.797715846633	-24.190041347557	VS	250	1	-46.729095740465	-24.152545544599	VS	70	1
-46.797781623903	-24.190779649679	VS	250	1	-46.729522186377	-24.152220192698	VS	100	1
-46.797774702266	-24.190839008094	VS	250	1	-46.729372429576	-24.152339476959	VS	100	1
-46.79776222339	-24.191152711974	VS	250	1	-46.727248953722	-24.151788259088	VS	70	1
-46.797730147258	-24.189818258027	VS	250	1	-46.726984612772	-24.151988439418	VS	70	1
-46.755797728712	-24.159856288636	VS	100	1	-46.731593558495	-24.151708436353	VS	70	1
-46.799227416127	-24.160510799536	VS	70	1	-46.732124076552	-24.151312102518	VS	100	1
-46.799525136553	-24.160297780133	VS	70	1	-46.724857827228	-24.151149527281	VS	70	1
-46.799843344684	-24.160080835162	VS	70	1	-46.767826639081	-24.169148468749	VS	100	1
-46.800242359646	-24.159825897974	VS	70	1	-46.767665079865	-24.169273973781	VS	100	1
-46.800229956366	-24.159991862669	VS	70	1	-46.76727747316	-24.169572415569	VS	100	1
-46.799025765978	-24.160659669861	VS	70	1	-46.851473655255	-24.211814458519	VS	70	1
-46.798748153358	-24.160639551775	VS	70	1	-46.850173043801	-24.212079200361	VS	70	1
-46.798726406883	-24.160867170262	VS	70	1	-46.849973131082	-24.211850592866	VS	70	1
-46.798929944571	-24.160852337163	VS	70	1	-46.849798290081	-24.211647653421	VS	70	1
-46.799111707505	-24.161065103584	VS	70	1	-46.849791811138	-24.210308180014	VS	70	1
-46.787144451531	-24.117091952287	VS	100	1	-46.849571659592	-24.211655938781	VS	70	1
-46.786805783161	-24.116880353738	VS	100	1	-46.849960504596	-24.210755092793	VS	70	1
-46.786517016558	-24.116704077764	VS	100	1	-46.76643968812	-24.170175218841	VS	100	1
-46.892433996537	-24.230644170763	VS	100	1	-46.76615511919	-24.170284814652	VS	100	1
-46.89216490961	-24.230485726534	VS	100	1	-46.765867134197	-24.170144168092	VS	100	1
-46.892176668176	-24.231380195711	VS	100	1	-46.765514412039	-24.169996951228	VS	100	1
-46.891935533837	-24.230344810492	VS	100	1	-46.764903512285	-24.168428997453	VS	100	1
-46.891906518435	-24.231578695558	VS	100	1	-46.769484166331	-24.171604367087	VS	100	1
-46.891645613105	-24.231759375624	VS	100	1	-46.769280955244	-24.169972698032	VS	100	1
-46.891406388784	-24.231377306883	VS	100	1	-46.769264119133	-24.170904112122	VS	100	1
-46.890825576305	-24.232363843723	VS	100	1	-46.769197839333	-24.170181966963	VS	100	1
-46.890314091122	-24.232733818414	VS	100	1	-46.76920501332	-24.171929655567	VS	100	1
-46.785889556764	-24.116316182332	VS	100	1	-46.769189059418	-24.171825036669	VS	100	1
-46.785640471214	-24.116157446254	VS	100	1	-46.850715490374	-24.210859555566	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.785433909441	-24.11604181742	VS	100	1	-46.848807943471	-24.211550194686	VS	70	1
-46.785401779797	-24.116119348719	VS	100	1	-46.848412014612	-24.212151036092	VS	70	1
-46.785220909602	-24.116352691083	VS	100	1	-46.847371806859	-24.209223462699	VS	100	1
-46.785049853689	-24.116585673311	VS	100	1	-46.847157368125	-24.209621848229	VS	70	1
-46.784878573235	-24.116810210303	VS	100	1	-46.847120644075	-24.209394962419	VS	70	1
-46.784720855461	-24.117015350338	VS	100	1	-46.846935159894	-24.209356275486	VS	70	1
-46.784565119578	-24.11723970345	VS	100	1	-46.8468268506	-24.209607186622	VS	70	1
-46.78512468493	-24.115837728144	VS	100	1	-46.845971368341	-24.210207217553	VS	70	1
-46.888562526366	-24.234310203668	VS	100	1	-46.846444020192	-24.210564799578	VS	70	1
-46.888221086275	-24.234303390573	VS	100	1	-46.768964891063	-24.171120474621	VS	100	1
-46.888545515635	-24.233068594854	VS	100	1	-46.768908276667	-24.170389284996	VS	100	1
-46.789055532784	-24.181714436319	VS	250	1	-46.768684631729	-24.17130993812	VS	100	1
-46.78876573887	-24.181912887967	VS	250	1	-46.768618782416	-24.170596586239	VS	100	1
-46.887916648572	-24.233994353227	VS	100	1	-46.768462493017	-24.171463241081	VS	100	1
-46.887582143179	-24.233176034517	VS	100	1	-46.768348086766	-24.17077708301	VS	100	1
-46.887290195179	-24.233687014679	VS	100	1	-46.768342765042	-24.171473265247	VS	100	1
-46.89521228163	-24.231551978175	VS	100	1	-46.768106802846	-24.170948335362	VS	100	1
-46.894923108292	-24.2313758553	VS	100	1	-46.768024528162	-24.171297188442	VS	100	1
-46.894574368325	-24.231173462563	VS	100	1	-46.767845634478	-24.171128933623	VS	100	1
-46.758294906604	-24.161828827204	VS	100	1	-46.767718386954	-24.171130994858	VS	100	1
-46.75850741599	-24.161944330315	VS	100	1	-46.845787847409	-24.210333570039	VS	70	1
-46.758951825989	-24.162163659753	VS	100	1	-46.845462589216	-24.210565849076	VS	70	1
-46.75873568774	-24.162051193523	VS	100	1	-46.847649810666	-24.209019723125	VS	70	1
-46.759185764533	-24.162286971285	VS	100	1	-46.84670264471	-24.20908148596	VS	70	1
-46.759159639643	-24.16167679256	VS	100	1	-46.845746871455	-24.209758209412	VS	70	1
-46.759662272741	-24.161946236025	VS	100	1	-46.845508232957	-24.209489508208	VS	70	1
-46.759428304894	-24.161825593033	VS	100	1	-46.845142864125	-24.209959196101	VS	100	1
-46.759721279029	-24.162119409005	VS	100	1	-46.844930709326	-24.209711098369	VS	100	1
-46.759509327126	-24.162267420526	VS	100	1	-46.844708656022	-24.209463000431	VS	100	1
-46.76003497157	-24.162143659288	VS	100	1	-46.844486613963	-24.209214884532	VS	100	1
-46.760345356083	-24.162311019973	VS	100	1	-46.846675386134	-24.2099482801	VS	70	1
-46.760823647578	-24.163159212606	VS	100	1	-46.76750119116	-24.169400080999	VS	100	1
-46.78450222656	-24.115449452205	VS	100	1	-46.767391859239	-24.170177189278	VS	100	1
-46.784107438124	-24.115202298834	VS	100	1	-46.766999365971	-24.169769662267	VS	100	1
-46.783645539027	-24.115064507688	VS	100	1	-46.766738796683	-24.169958939374	VS	100	1
-46.783579118089	-24.114885818079	VS	100	1	-46.766712467478	-24.169263248401	VS	100	1
-46.783825557302	-24.114795477376	VS	100	1	-46.766638812718	-24.168635084695	VS	100	1
-46.783444886975	-24.115325916875	VS	100	1	-46.766494153213	-24.169265147749	VS	100	1
-46.783229725973	-24.115554702193	VS	100	1	-46.766432602304	-24.169470578693	VS	100	1
-46.782840040777	-24.116084015829	VS	100	1	-46.766433718037	-24.170443375176	VS	100	1
-46.781692849941	-24.114298895778	VS	100	1	-46.766375485976	-24.168816873887	VS	100	1
-46.806996153971	-24.193777296723	VS	250	2	-46.766235608057	-24.169124283918	VS	100	1
-46.894245261181	-24.230970887232	VS	100	1	-46.766172968571	-24.168970034105	VS	100	1
-46.893896504475	-24.230768474671	VS	100	1	-46.845282336083	-24.209226546526	VS	70	1
-46.893617365339	-24.230601186488	VS	100	1	-46.84450876878	-24.209004962086	VS	70	1
-46.89407839014	-24.230178017272	VS	100	1	-46.844238178314	-24.209185537009	VS	70	1
-46.894038630188	-24.230017873194	VS	100	1	-46.843987445268	-24.2093748678	VS	70	1
-46.893778016105	-24.230207428756	VS	100	1	-46.843726888142	-24.209564281215	VS	70	1
-46.89376988909	-24.230002254125	VS	100	1	-46.841820205782	-24.208131764075	VS	70	1
-46.891646583389	-24.230177596454	VS	100	1	-46.841408927081	-24.207937201367	VS	70	1
-46.760644682331	-24.163062370767	VS	100	1	-46.76615245013	-24.169669020017	VS	100	1
-46.760376347556	-24.162921578024	VS	100	1	-46.765897780473	-24.16894836201	VS	100	1
-46.76011802857	-24.16278962852	VS	100	1	-46.76589289703	-24.16916844121	VS	100	1
-46.759639982552	-24.162525342481	VS	100	1	-46.765613055817	-24.169366691824	VS	100	1
-46.761101815439	-24.163308744002	VS	100	1	-46.76555987685	-24.168772392255	VS	100	1
-46.760975782213	-24.163261861671	VS	100	1	-46.765293822694	-24.168618254594	VS	100	1
-46.761370574014	-24.163467380218	VS	100	1	-46.764220635629	-24.168696984822	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.761214628985	-24.163510253846	VS	100	1	-46.763740636498	-24.169053304827	VS	100	1
-46.760983307268	-24.163690391551	VS	100	1	-46.763396368528	-24.168869607408	VS	100	1
-46.760712935734	-24.163879728435	VS	100	1	-46.763215318081	-24.168717543202	VS	100	1
-46.760747950552	-24.163429176888	VS	100	1	-46.76313323931	-24.168721606069	VS	100	1
-46.760574551626	-24.163552938372	VS	100	1	-46.762836701844	-24.168587225721	VS	100	1
-46.760249271396	-24.163785039106	VS	100	1	-46.841110539954	-24.207787731279	VS	70	1
-46.805002516529	-24.193817248034	VS	250	1	-46.840914423794	-24.20850890771	VS	70	1
-46.806709609173	-24.19360480481	VS	250	2	-46.840437967646	-24.208492801704	VS	70	1
-46.806268488543	-24.193325117107	VS	250	2	-46.840104106266	-24.208333252997	VS	70	1
-46.805868752382	-24.193023443421	VS	250	1	-46.839883839297	-24.208225579495	VS	70	1
-46.805942813062	-24.193122144481	VS	250	2	-46.844225933416	-24.208290021909	VS	70	1
-46.805027498007	-24.194025509657	VS	250	1	-46.843907867352	-24.208131886543	VS	70	1
-46.805043274406	-24.194128356145	VS	250	1	-46.715474194017	-24.139196869795	VS	100	1
-46.804891737171	-24.194337818067	VS	250	1	-46.715074257373	-24.140110468277	VS	100	1
-46.804715635067	-24.19455782715	VS	250	1	-46.715737562234	-24.139008914806	VS	100	1
-46.761193141537	-24.163089701672	VS	100	1	-46.715194610102	-24.139395871689	VS	100	1
-46.761512677649	-24.162294497554	VS	100	1	-46.714929208996	-24.139583759369	VS	100	1
-46.761224283602	-24.162136009472	VS	100	1	-46.71464198577	-24.139792894687	VS	100	1
-46.760925875767	-24.161968659346	VS	100	1	-46.714349981599	-24.140000136921	VS	100	1
-46.762112149019	-24.163577680385	VS	100	1	-46.714072688771	-24.140206620292	VS	100	1
-46.761248418413	-24.161493456678	VS	100	1	-46.713775978648	-24.140412638	VS	100	1
-46.760866612657	-24.16071976951	VS	100	1	-46.714055215156	-24.140723592714	VS	100	1
-46.761184645221	-24.160886971482	VS	100	1	-46.714260868425	-24.140688411988	VS	100	1
-46.760250157691	-24.1603852246	VS	100	1	-46.714350234544	-24.140890296852	VS	100	1
-46.759942358337	-24.160235796026	VS	100	1	-46.842979243507	-24.207128043153	VS	70	1
-46.759624113165	-24.160059678505	VS	100	1	-46.842645591215	-24.20766687121	VS	70	1
-46.759325918349	-24.15990124828	VS	100	1	-46.84260971148	-24.207472033714	VS	70	1
-46.805525749641	-24.193909968666	VS	250	1	-46.84243759572	-24.206282234353	VS	70	1
-46.805461452731	-24.1936824741	VS	250	1	-46.842315315862	-24.208222686828	VS	70	1
-46.805332868883	-24.193551146687	VS	250	1	-46.842163820085	-24.208455877388	VS	70	1
-46.80511774918	-24.193588455588	VS	250	1	-46.842075811572	-24.206107483107	VS	70	1
-46.804526109996	-24.194674251947	VS	250	1	-46.842145447913	-24.208294039823	VS	70	1
-46.80423145664	-24.194871841174	VS	250	1	-46.841919666771	-24.207130146131	VS	70	1
-46.806817270099	-24.193144372823	VS	100	1	-46.841883533446	-24.20688931021	VS	70	1
-46.806476031843	-24.193596175825	VS	100	1	-46.841739943359	-24.20593930921	VS	70	1
-46.80698352873	-24.194388677783	VS	100	1	-46.841716641493	-24.207173408477	VS	70	1
-46.805455639923	-24.194010447205	VS	250	1	-46.841594006684	-24.205309245716	VS	70	1
-46.7590078905	-24.15973406109	VS	100	1	-46.717605385878	-24.137666363376	VS	100	1
-46.757964053884	-24.162917965426	VS	70	1	-46.714553140783	-24.140480844105	VS	100	1
-46.757675880043	-24.162768384397	VS	70	1	-46.714784704889	-24.140316950887	VS	100	1
-46.77026123315	-24.162141900037	VS	100	1	-46.715354043798	-24.139920758179	VS	100	1
-46.758628900112	-24.163737371842	VS	70	1	-46.715631386984	-24.139712398404	VS	100	1
-46.758320880049	-24.163579016793	VS	100	1	-46.715874698069	-24.139543496468	VS	100	1
-46.843480667482	-24.213320496302	VS	70	1	-46.716043062072	-24.138783955222	VS	100	1
-46.747970150096	-24.161678977585	VS	100	1	-46.716362683361	-24.138549412004	VS	100	1
-46.748476723609	-24.161380771567	VS	100	1	-46.716657173129	-24.13834844649	VS	100	1
-46.747404667556	-24.161401360031	VS	100	1	-46.714647527602	-24.141057190656	VS	100	1
-46.750779381194	-24.164995645397	VS	100	1	-46.714945816681	-24.141219288832	VS	100	1
-46.750398792765	-24.164898664698	VS	100	1	-46.841594337641	-24.206965803156	VS	70	1
-46.849572945384	-24.212432171166	VS	100	1	-46.841575134201	-24.207406285543	VS	70	1
-46.806685208627	-24.192449745283	VS	100	1	-46.841503404554	-24.205816668417	VS	70	1
-46.80684196195	-24.194590599984	VS	100	1	-46.841413708096	-24.205605149077	VS	70	1
-46.806596564334	-24.193439547034	VS	100	1	-46.841389768149	-24.207717341351	VS	70	1
-46.806651393915	-24.194842120202	VS	100	1	-46.841266172899	-24.206801021381	VS	70	1
-46.806575911946	-24.194633746816	VS	100	1	-46.841224683411	-24.205910000977	VS	70	1
-46.806524382199	-24.192358435359	VS	100	1	-46.841073641863	-24.206161018906	VS	70	1
-46.806350793071	-24.192372295585	VS	100	1	-46.841084461584	-24.208230973656	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.806336897901	-24.194492794492	VS	100	1	-46.840941824757	-24.206393980056	VS	70	1
-46.806267061402	-24.193888012394	VS	100	1	-46.840943618921	-24.206636338327	VS	70	1
-46.806168831854	-24.192613810661	VS	100	1	-46.840808428471	-24.208691353856	VS	70	1
-46.806114778966	-24.19409148673	VS	100	1	-46.840782387764	-24.207620712637	VS	70	1
-46.805999732588	-24.192853326848	VS	100	1	-46.840752828788	-24.206698777792	VS	70	1
-46.742387557737	-24.161314055196	VS	100	1	-46.840693010053	-24.209011525369	VS	70	1
-46.742268220306	-24.16062211194	VS	100	1	-46.840600316122	-24.206475225614	VS	70	1
-46.742127651638	-24.161179779124	VS	100	1	-46.84060199645	-24.206958717733	VS	70	1
-46.74208359369	-24.160529184775	VS	100	1	-46.840434658352	-24.207453879199	VS	70	1
-46.741785639876	-24.160379645225	VS	100	1	-46.840408646016	-24.208867910073	VS	70	1
-46.741799421761	-24.160994773711	VS	100	1	-46.840272161004	-24.206308720127	VS	70	1
-46.741501037945	-24.160827398026	VS	100	1	-46.840271462101	-24.20750568523	VS	70	1
-46.741325968507	-24.160725415288	VS	100	1	-46.840126779227	-24.207304661708	VS	70	1
-46.741239523412	-24.159798332191	VS	100	1	-46.840111025774	-24.207774621348	VS	70	1
-46.741063394394	-24.160580722351	VS	100	1	-46.840123889285	-24.208742135542	VS	70	1
-46.741040761965	-24.160112027375	VS	100	1	-46.839957117032	-24.208034458164	VS	70	1
-46.806067792728	-24.194325298985	VS	100	1	-46.713796513528	-24.141169582346	VS	100	1
-46.80591501712	-24.19435150694	VS	100	1	-46.713925860246	-24.141472435461	VS	100	1
-46.8058085845	-24.194166550861	VS	100	1	-46.714232518215	-24.141638683056	VS	100	1
-46.805737190731	-24.194596290623	VS	100	1	-46.714521472569	-24.141780262416	VS	100	1
-46.805627850072	-24.192955232642	VS	100	1	-46.714819356036	-24.141929836482	VS	100	1
-46.805572575638	-24.194818222345	VS	100	1	-46.712690454138	-24.141824170126	VS	100	1
-46.805406648077	-24.192831738253	VS	100	1	-46.712660988372	-24.141720477644	VS	100	1
-46.805403435815	-24.194883368954	VS	100	1	-46.712939292915	-24.141908467932	VS	100	1
-46.805307395028	-24.192425324284	VS	100	1	-46.712433514361	-24.141577478677	VS	100	1
-46.80518227364	-24.194758874244	VS	100	1	-46.839807039297	-24.20713477878	VS	70	1
-46.805102900786	-24.192642946586	VS	100	1	-46.839650474735	-24.208691434076	VS	70	1
-46.804769261081	-24.192663319168	VS	100	1	-46.839285347885	-24.207778559005	VS	70	1
-46.883784500953	-24.231423066725	VS	100	1	-46.839033153175	-24.20765337613	VS	70	1
-46.884558899628	-24.231056385522	VS	100	1	-46.838755649616	-24.205732864815	VS	70	1
-46.8841040513	-24.230821234436	VS	100	1	-46.838803215694	-24.209076683646	VS	70	1
-46.883952628279	-24.230856436166	VS	100	1	-46.838639824141	-24.205504887225	VS	70	1
-46.883725325243	-24.230638050114	VS	100	1	-46.838595002069	-24.205992876506	VS	70	1
-46.883946434392	-24.231618078878	VS	100	1	-46.838401180428	-24.205381814724	VS	70	1
-46.8834262152	-24.230482592241	VS	100	1	-46.712287405869	-24.141550261324	VS	100	1
-46.883698940958	-24.23103531333	VS	100	1	-46.712155412923	-24.141398742921	VS	100	1
-46.883612752688	-24.231228131224	VS	100	1	-46.712571588081	-24.141325052847	VS	100	1
-46.883469116071	-24.231181845118	VS	100	1	-46.712852413072	-24.141131491775	VS	100	1
-46.740861411925	-24.160416654658	VS	100	1	-46.713360187391	-24.140950454217	VS	100	1
-46.740764352709	-24.160421675291	VS	100	1	-46.71348701076	-24.141027081205	VS	100	1
-46.740486976834	-24.160263837754	VS	100	1	-46.794665102116	-24.159327483638	VS	70	1
-46.740218665678	-24.160123012976	VS	100	1	-46.794479384171	-24.1594545905	VS	70	1
-46.739940341823	-24.159973343062	VS	70	1	-46.764654789967	-24.168288061934	VS	100	1
-46.755225834454	-24.159786463612	VS	100	1	-46.769446975452	-24.16868121605	VS	100	1
-46.739657610958	-24.159817932826	VS	100	1	-46.769392312075	-24.16813460335	VS	100	1
-46.755447218593	-24.162029312821	VS	100	1	-46.769205420314	-24.168843591864	VS	70	1
-46.759539556503	-24.162633554474	VS	70	1	-46.794165450812	-24.159667449058	VS	70	1
-46.771210577737	-24.160797680593	VS	100	1	-46.883663903995	-24.224848066056	VS	100	1
-46.755775591206	-24.162214358157	VS	70	1	-46.875993303058	-24.218009429703	VS	100	1
-46.756073785699	-24.162372786449	VS	70	1	-46.833201352972	-24.185933358605	VS	70	1
-46.758262469012	-24.163085312393	VS	70	1	-46.833008853633	-24.185731193887	VS	70	1
-46.918361279252	-24.233773184279	VS	100	1	-46.832980589808	-24.185982402119	VS	70	1
-46.716548175554	-24.145382407118	VS	100	1	-46.837136831656	-24.206703247376	VS	70	1
-46.80561961424	-24.194052212701	VS	100	1	-46.832701514335	-24.186216562965	VS	70	1
-46.807469127816	-24.192264298961	VS	100	1	-46.832412140741	-24.186460286733	VS	70	1
-46.807246394918	-24.1925626463	VS	100	1	-46.832434642276	-24.186663413654	VS	70	1
-46.807023509505	-24.192852712389	VS	100	1	-46.841235346681	-24.207970953607	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.807027398551	-24.192634048657	VS	100	1	-46.89969230351	-24.240542334407	VS	100	1
-46.806858068434	-24.192067754274	VS	100	1	-46.90011644023	-24.241011859054	VS	100	1
-46.806717267372	-24.192253892872	VS	100	1	-46.90029826869	-24.241215626524	VS	100	1
-46.806617835452	-24.191604658156	VS	100	1	-46.900069722	-24.240801990619	VS	100	1
-46.806378014788	-24.191889351924	VS	100	1	-46.769141155313	-24.168305971421	VS	100	1
-46.806173127904	-24.192144543414	VS	100	1	-46.76898453401	-24.168996029396	VS	70	1
-46.80603892269	-24.19140265845	VS	100	1	-46.768948258718	-24.168441074404	VS	100	1
-46.805966297829	-24.192012601494	VS	100	1	-46.768844700026	-24.169016260124	VS	100	1
-46.805848782452	-24.191662854118	VS	100	1	-46.768755347269	-24.168585246398	VS	100	1
-46.883167951358	-24.230353946265	VS	100	1	-46.76858572007	-24.167946815214	VS	100	1
-46.883414578621	-24.231952754252	VS	100	1	-46.768556120541	-24.168866505384	VS	100	1
-46.883272761922	-24.231775480918	VS	100	1	-46.768542745271	-24.168728149593	VS	100	1
-46.883206332908	-24.231378408668	VS	100	1	-46.768315347538	-24.16813616587	VS	100	1
-46.883121020598	-24.230650335456	VS	100	1	-46.768248738336	-24.168726126699	VS	100	1
-46.883100790035	-24.23157163055	VS	100	1	-46.768074029284	-24.168307435817	VS	100	1
-46.882804132614	-24.230861472976	VS	100	1	-46.767950862708	-24.168576716614	VS	100	1
-46.882964578129	-24.231532018898	VS	100	1	-46.767721613919	-24.16844436896	VS	100	1
-46.8829221307	-24.232295924652	VS	100	1	-46.842420252895	-24.208439022515	VS	70	1
-46.88287844699	-24.231314669951	VS	100	1	-46.839251863745	-24.207028130923	VS	100	1
-46.882770247571	-24.232109749412	VS	100	1	-46.839069117963	-24.207329508577	VS	70	1
-46.882713395235	-24.231703577474	VS	100	1	-46.839428210265	-24.206744853605	VS	100	1
-46.882608529583	-24.231923659243	VS	100	1	-46.839067275295	-24.206762333824	VS	100	1
-46.758540825726	-24.163234961601	VS	70	1	-46.838754829051	-24.206610383262	VS	100	1
-46.759126943568	-24.163542803942	VS	70	1	-46.838449941104	-24.206455167744	VS	70	1
-46.758839026712	-24.163393385252	VS	70	1	-46.840069779373	-24.205660143672	VS	100	1
-46.759415121156	-24.163692382683	VS	70	1	-46.842819693915	-24.207397403772	VS	70	1
-46.759717908952	-24.16384262023	VS	100	1	-46.843383499697	-24.208686015821	VS	100	1
-46.759254064716	-24.163095512668	VS	70	1	-46.843222825471	-24.20894606834	VS	70	1
-46.761855574611	-24.16061446907	VS	70	1	-46.767681006348	-24.167893999992	VS	100	1
-46.759715462788	-24.163194144494	VS	100	1	-46.767360733289	-24.168140472981	VS	100	1
-46.759387402487	-24.163018095005	VS	100	1	-46.767145047162	-24.168136342977	VS	70	1
-46.759387940852	-24.162891621814	VS	100	1	-46.766906583456	-24.168013195447	VS	70	1
-46.759118972866	-24.162877252474	VS	100	1	-46.766598550763	-24.167854854687	VS	100	1
-46.805688323191	-24.191854986264	VS	100	1	-46.764566588917	-24.168178854746	VS	100	1
-46.805679847984	-24.191915970545	VS	100	1	-46.764401485376	-24.168436236663	VS	100	1
-46.805487934752	-24.192174133213	VS	100	1	-46.764357122933	-24.168138768343	VS	100	1
-46.804649645731	-24.192270074722	VS	100	1	-46.764048671637	-24.16796257823	VS	100	1
-46.807290569759	-24.191769336906	VS	250	1	-46.764093789654	-24.168895684341	VS	70	1
-46.806954423834	-24.191552996087	VS	250	1	-46.837277433195	-24.207303846434	VS	100	1
-46.806686056679	-24.191393718033	VS	250	1	-46.836969414149	-24.207154546983	VS	100	1
-46.806290758693	-24.191160418655	VS	250	1	-46.836941500872	-24.207524760374	VS	100	1
-46.80602593093	-24.190917452426	VS	250	1	-46.843619550295	-24.207982479867	VS	70	1
-46.805736714603	-24.190732227525	VS	250	1	-46.83996534978	-24.206159396582	VS	70	1
-46.805457481107	-24.190555824433	VS	250	1	-46.839503136289	-24.20894353377	VS	70	1
-46.805178364494	-24.190379478225	VS	250	1	-46.839464452235	-24.204805444344	VS	70	1
-46.804888815549	-24.190220379853	VS	250	1	-46.840607619881	-24.20475472837	VS	70	1
-46.88246225157	-24.231875118587	VS	100	1	-46.840424055758	-24.205065471839	VS	70	1
-46.882462678237	-24.23175415634	VS	100	1	-46.841085364148	-24.204307996011	VS	100	1
-46.882308268026	-24.23249718432	VS	100	1	-46.840753715478	-24.204144768595	VS	70	1
-46.88222067863	-24.232037676675	VS	100	1	-46.840417709544	-24.203976507571	VS	70	1
-46.882105965816	-24.232257869836	VS	100	1	-46.763684059869	-24.167986530599	VS	100	1
-46.881969493826	-24.232209233742	VS	100	1	-46.763551719288	-24.16820162938	VS	100	1
-46.881987620496	-24.234987315322	VS	100	1	-46.763390559187	-24.16844370305	VS	100	1
-46.881913404284	-24.232018377309	VS	100	1	-46.768665096521	-24.169656146938	VS	100	1
-46.881786814121	-24.231568226739	VS	100	1	-46.768463669702	-24.169551620221	VS	100	1
-46.881711103225	-24.231779071497	VS	100	1	-46.768038757473	-24.169321694851	VS	100	1
-46.758810747987	-24.162709976498	VS	100	1	-46.768757672181	-24.169828240553	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.761795542242	-24.161801735791	VS	70	1	-46.768583757438	-24.169945505495	VS	100	1
-46.762067841692	-24.165145760726	VS	100	1	-46.768322992932	-24.17012586368	VS	100	1
-46.761956874622	-24.16759798139	VS	100	1	-46.768033192402	-24.170324283887	VS	100	1
-46.762200294044	-24.168243861595	VS	100	1	-46.767772632907	-24.170513563087	VS	100	1
-46.75416442738	-24.156900724958	VS	100	1	-46.767530871415	-24.170676065088	VS	100	1
-46.753934328416	-24.158265641664	VS	100	1	-46.767308883661	-24.170829262338	VS	100	1
-46.753845150836	-24.157414967107	VS	100	1	-46.839753591738	-24.203649125475	VS	70	1
-46.753616985064	-24.158099815758	VS	100	1	-46.837854406103	-24.204857648032	VS	70	1
-46.753403977924	-24.158115676047	VS	100	1	-46.836890103723	-24.204617230653	VS	70	1
-46.7532564932	-24.157304017671	VS	100	1	-46.837037094289	-24.204189967621	VS	70	1
-46.753125251013	-24.158562123105	VS	100	1	-46.837208921476	-24.203897841641	VS	70	1
-46.804590421544	-24.190053184279	VS	250	1	-46.851309836303	-24.207126812958	VS	70	1
-46.80428144819	-24.189903223351	VS	250	1	-46.851107853018	-24.206896401878	VS	70	1
-46.778304820846	-24.150741556749	VS	100	1	-46.851080248752	-24.206028557613	VS	70	1
-46.777416632534	-24.151379422338	VS	100	1	-46.851039888745	-24.206607137282	VS	70	1
-46.778073120652	-24.150903873376	VS	100	1	-46.851032286239	-24.207703330858	VS	70	1
-46.777873456883	-24.151167187857	VS	100	1	-46.930465865209	-24.217537149538	VS	100	1
-46.777842343701	-24.151064989036	VS	100	1	-46.767234881507	-24.17086811769	VS	100	1
-46.778171662057	-24.15132558216	VS	100	1	-46.766980099453	-24.170724771846	VS	100	1
-46.777618360286	-24.151239689909	VS	100	1	-46.76673870402	-24.170604273768	VS	100	1
-46.777324775769	-24.151524724514	VS	100	1	-46.766831944222	-24.170573833224	VS	100	1
-46.777196755684	-24.151535600847	VS	100	1	-46.767102324269	-24.170384486269	VS	100	1
-46.776991479312	-24.151680129754	VS	100	1	-46.767633428489	-24.169996677889	VS	100	1
-46.881717574616	-24.234845723756	VS	100	1	-46.767893594263	-24.169807685401	VS	100	1
-46.752974913012	-24.158804576907	VS	100	1	-46.768173574425	-24.169609334977	VS	100	1
-46.752557177789	-24.157454458788	VS	70	1	-46.717409610742	-24.146149127563	VS	100	1
-46.873594757637	-24.226238170187	VS	100	1	-46.717554049691	-24.146619158003	VS	100	1
-46.75525202132	-24.157750758579	VS	100	1	-46.717411949473	-24.146843339043	VS	100	1
-46.755155871002	-24.158298800857	VS	100	1	-46.850813300128	-24.207440366715	VS	70	1
-46.755168138328	-24.158917751732	VS	100	1	-46.850596528807	-24.208078400483	VS	70	1
-46.755106552232	-24.159530523976	VS	100	1	-46.850233630043	-24.208553841794	VS	70	1
-46.754932783237	-24.157577733268	VS	100	1	-46.850121799128	-24.207527728029	VS	70	1
-46.754902262262	-24.157850837133	VS	100	1	-46.848773038157	-24.208214621981	VS	70	1
-46.754837853983	-24.15813159721	VS	100	1	-46.847505749439	-24.208240675268	VS	70	1
-46.75485012018	-24.158750538897	VS	100	1	-46.846480231575	-24.208815618629	VS	70	1
-46.867370287976	-24.227067987629	VS	100	1	-46.846247845022	-24.208549640941	VS	70	1
-46.71817641191	-24.137233413895	VS	100	1	-46.845818315682	-24.208009541181	VS	70	1
-46.719178837065	-24.136494450454	VS	100	1	-46.717269603255	-24.147058687065	VS	100	1
-46.718939432628	-24.136665226589	VS	100	1	-46.717096248694	-24.147091930025	VS	100	1
-46.718689125311	-24.136863913692	VS	100	1	-46.716788214996	-24.146933436889	VS	100	1
-46.718423044686	-24.137045091275	VS	100	1	-46.717255442444	-24.14667682757	VS	100	1
-46.777056270969	-24.151375067735	VS	100	1	-46.716576540161	-24.144478139089	VS	100	1
-46.776738440835	-24.151216830521	VS	100	1	-46.84690740757	-24.208488186112	VS	70	1
-46.777535556057	-24.150991239106	VS	100	1	-46.849224593508	-24.207384318747	VS	70	1
-46.778739991899	-24.153963135695	VS	100	1	-46.851496100799	-24.208251223717	VS	70	1
-46.778416243203	-24.154193674544	VS	100	1	-46.848105164753	-24.206982564069	VS	70	1
-46.778136303997	-24.15439204171	VS	100	1	-46.84504000232	-24.208951820194	VS	70	1
-46.777856373773	-24.154590408507	VS	100	1	-46.851410221983	-24.215037509618	VS	70	1
-46.803973291019	-24.189762570736	VS	250	1	-46.850472322786	-24.214470770848	VS	70	1
-46.803645718911	-24.189613348969	VS	250	1	-46.850286623226	-24.21478899747	VS	70	1
-46.754808159604	-24.159363172746	VS	100	1	-46.849277078556	-24.215311961939	VS	70	1
-46.754713384668	-24.158164433196	VS	100	1	-46.849055820858	-24.215461333942	VS	70	1
-46.754571777799	-24.158600884811	VS	100	1	-46.716198827528	-24.144275549379	VS	100	1
-46.754545384527	-24.15841159857	VS	100	1	-46.715888053495	-24.144108143301	VS	100	1
-46.75450001481	-24.157955627287	VS	100	1	-46.715592408256	-24.143940783461	VS	100	1
-46.754510188988	-24.159213665464	VS	100	1	-46.71551602559	-24.143942503072	VS	100	1
-46.754400430527	-24.158630709765	VS	100	1	-46.715114739888	-24.144239340083	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.754287947706	-24.158457631576	VS	100	1	-46.714961405937	-24.144346861412	VS	100	1
-46.754258475023	-24.15885479978	VS	100	1	-46.714682105807	-24.144539909878	VS	100	1
-46.754172181766	-24.157788482369	VS	100	1	-46.714640892942	-24.144721957788	VS	100	1
-46.754097529104	-24.159105785346	VS	100	1	-46.71437246128	-24.144761367544	VS	100	1
-46.80334215044	-24.18949077238	VS	250	1	-46.714092475127	-24.144959606208	VS	100	1
-46.803022843741	-24.189384188061	VS	250	1	-46.714409163352	-24.144456144291	VS	100	1
-46.802692995685	-24.189280476911	VS	250	1	-46.714167927471	-24.144174367658	VS	100	1
-46.80236703285	-24.189158407779	VS	250	1	-46.713793559697	-24.145180390635	VS	100	1
-46.802061100128	-24.189031877803	VS	250	1	-46.848112101106	-24.216135809724	VS	70	1
-46.801614064795	-24.18887851768	VS	250	1	-46.847905987144	-24.21627740657	VS	70	1
-46.801382634081	-24.188857183581	VS	250	1	-46.835911147426	-24.157825430789	VS	100	1
-46.801155652473	-24.18885363398	VS	250	1	-46.846950311956	-24.216963042894	VS	70	1
-46.800808758976	-24.18890984078	VS	250	1	-46.835650796832	-24.157613312682	VS	100	1
-46.800472138348	-24.188965978659	VS	250	1	-46.835410037426	-24.157400999581	VS	100	1
-46.800133899663	-24.189021998966	VS	250	1	-46.846079253732	-24.215575240722	VS	70	1
-46.799782955564	-24.189051260336	VS	250	1	-46.845901454724	-24.216137122547	VS	70	1
-46.75394879415	-24.157066864729	VS	100	1	-46.851140738693	-24.214721945589	VS	70	1
-46.754005520591	-24.159559711542	VS	100	1	-46.850925074324	-24.21445840384	VS	70	1
-46.753983116064	-24.158923051601	VS	100	1	-46.850742986518	-24.214276275031	VS	70	1
-46.753928066489	-24.159370624456	VS	100	1	-46.835149900186	-24.15719779457	VS	100	1
-46.753910199997	-24.157647199094	VS	100	1	-46.834909401654	-24.156994441001	VS	100	1
-46.75370046077	-24.157640062277	VS	100	1	-46.834658719513	-24.156773371433	VS	100	1
-46.753738613361	-24.15878886349	VS	100	1	-46.834378312537	-24.156543563434	VS	100	1
-46.753639281365	-24.156909146061	VS	100	1	-46.712599691857	-24.144494720689	VS	100	1
-46.753687172057	-24.159383498585	VS	100	1	-46.921534038684	-24.231693023437	VS	100	1
-46.753563420655	-24.157470978109	VS	100	1	-46.71378658683	-24.145255300123	VS	100	1
-46.753554747554	-24.157873486098	VS	100	1	-46.713526020513	-24.145108963932	VS	100	1
-46.753475076076	-24.158650006174	VS	70	1	-46.713248632844	-24.144953003636	VS	100	1
-46.753412441063	-24.156786178766	VS	100	1	-46.713080221996	-24.144791039995	VS	100	1
-46.799441015291	-24.189053830085	VS	250	1	-46.712978796469	-24.144782767965	VS	100	1
-46.799097101611	-24.189065324356	VS	250	1	-46.712752738434	-24.144658975002	VS	100	1
-46.798757955244	-24.189024387106	VS	250	1	-46.921576289311	-24.231486934314	VS	100	1
-46.797431106785	-24.189583692331	VS	250	1	-46.850755448662	-24.215586889216	VS	70	1
-46.908650644673	-24.232254537426	VS	70	1	-46.850530602104	-24.215083372882	VS	70	1
-46.908911174853	-24.232065006145	VS	70	1	-46.850393661366	-24.215844301427	VS	70	1
-46.909200669158	-24.231857427209	VS	70	1	-46.850252860929	-24.213820463959	VS	70	1
-46.887618491982	-24.241582517547	VS	100	1	-46.850182417439	-24.215702661351	VS	70	1
-46.910866551022	-24.237789117546	VS	70	1	-46.850198342046	-24.214672938524	VS	70	1
-46.722976220022	-24.150017849807	VS	100	1	-46.850146456018	-24.213895162528	VS	70	1
-46.76185192078	-24.166800896579	VS	100	1	-46.849980657039	-24.215480557665	VS	70	1
-46.762081918789	-24.167346240203	VS	100	1	-46.84993694159	-24.214854278903	VS	70	1
-46.761181876419	-24.167343291787	VS	100	1	-46.849885684198	-24.214075663607	VS	70	1
-46.839993315629	-24.210751580874	VS	70	1	-46.8497281206	-24.215188165823	VS	70	1
-46.839726204825	-24.210618443894	VS	70	1	-46.849642386877	-24.214041207625	VS	100	1
-46.839604620244	-24.210411424694	VS	70	1	-46.714254246838	-24.143945772079	VS	100	1
-46.839406311795	-24.210469373397	VS	70	1	-46.714035786488	-24.144012731142	VS	100	1
-46.88067014171	-24.212267934257	VS	100	1	-46.713707616349	-24.144340559592	VS	100	1
-46.722663268727	-24.149846382235	VS	100	1	-46.713350392238	-24.144592869739	VS	100	1
-46.722712762606	-24.149657053897	VS	100	1	-46.849698458395	-24.215028589548	VS	70	1
-46.782183190723	-24.173183085566	VS	70	1	-46.849619909409	-24.21426701836	VS	70	1
-46.816922859427	-24.18777905148	VS	250	2	-46.849566611004	-24.215010853044	VS	70	1
-46.81692315154	-24.188106465911	VS	250	1	-46.849499224514	-24.215158529457	VS	70	1
-46.839149034358	-24.210337397169	VS	70	1	-46.849459678873	-24.213834040592	VS	70	1
-46.838905751448	-24.21020586662	VS	70	1	-46.849441710207	-24.214400435719	VS	70	1
-46.891838364126	-24.242619283095	VS	100	1	-46.849421341668	-24.215904334554	VS	70	1
-46.782913661292	-24.17355099624	VS	100	1	-46.849277963352	-24.213630236493	VS	70	1
-46.782526612563	-24.17335947231	VS	100	1	-46.849311371281	-24.21472123603	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.781625571742	-24.171569292069	VS	100	1	-46.849267999018	-24.214526717293	VS	70	1
-46.781885293297	-24.17230894368	VS	70	1	-46.849158704799	-24.2156030015	VS	70	1
-46.782081693894	-24.172164562116	VS	70	1	-46.849062552226	-24.216542669854	VS	70	1
-46.840591878052	-24.162662441876	VS	70	1	-46.914883480043	-24.227705871124	VS	100	1
-46.840331298191	-24.162441406719	VS	70	1	-46.914681379348	-24.229380367795	VS	100	1
-46.840110757898	-24.16225567228	VS	100	1	-46.915153581497	-24.227507324137	VS	100	1
-46.839860172607	-24.162043447806	VS	100	1	-46.911598084612	-24.227911378117	VS	100	1
-46.83960962626	-24.161831260133	VS	100	1	-46.91106704797	-24.228281581871	VS	100	1
-46.839348828421	-24.161601300693	VS	100	1	-46.912780135137	-24.229237190342	VS	70	1
-46.895122856485	-24.237277624458	VS	100	1	-46.912500705673	-24.229456625537	VS	70	1
-46.835615473179	-24.18613149094	VS	70	1	-46.915424441685	-24.22730069996	VS	70	1
-46.835346001979	-24.186356651405	VS	70	1	-46.917677131432	-24.227189424674	VS	100	1
-46.835099870738	-24.186566464494	VS	70	1	-46.848718522217	-24.214923387171	VS	70	1
-46.834841922788	-24.186781471524	VS	70	1	-46.848666663475	-24.215055447232	VS	70	1
-46.834566825639	-24.187022984818	VS	70	1	-46.714422450551	-24.143304852166	VS	100	1
-46.834297169016	-24.187248291195	VS	70	1	-46.714761997485	-24.143485150464	VS	100	1
-46.833489241779	-24.187932467058	VS	70	1	-46.714727351958	-24.143602662966	VS	100	1
-46.836108237786	-24.188029165737	VS	70	1	-46.715082243324	-24.143666546063	VS	100	1
-46.835828970077	-24.18827255972	VS	70	1	-46.714501123451	-24.143764559848	VS	100	1
-46.730425755014	-24.143154559868	VS	100	1	-46.849007265221	-24.214707181547	VS	70	1
-46.730481843188	-24.144462985517	VS	100	1	-46.848351182673	-24.214699186161	VS	70	1
-46.730647075013	-24.153171604914	VS	100	1	-46.848179513434	-24.214504220522	VS	70	1
-46.730440411037	-24.150253662027	VS	100	1	-46.848841509124	-24.216292556853	VS	70	1
-46.722058813382	-24.144020303972	VS	100	1	-46.848803959687	-24.21564580861	VS	70	1
-46.835557965427	-24.188493043833	VS	70	1	-46.847987552563	-24.214282643794	VS	70	1
-46.835029084053	-24.188939770276	VS	70	1	-46.847990477305	-24.214194977946	VS	70	1
-46.834780787177	-24.189163696278	VS	70	1	-46.848691053538	-24.217065429702	VS	70	1
-46.834796665286	-24.188929396252	VS	70	1	-46.848583640256	-24.216004273277	VS	70	1
-46.834515332881	-24.188663897206	VS	70	1	-46.848552774593	-24.21581730888	VS	70	1
-46.842603911947	-24.169818670356	VS	70	1	-46.920493307322	-24.225163782662	VS	100	1
-46.818246930251	-24.186033361216	VS	70	1	-46.918935763434	-24.224754351996	VS	100	1
-46.818351323668	-24.186307990007	VS	70	1	-46.920527465681	-24.22359915758	VS	100	1
-46.81848301435	-24.186580114091	VS	100	1	-46.920822076253	-24.223385972887	VS	70	1
-46.818597000236	-24.186828887056	VS	70	1	-46.921425031798	-24.222949068695	VS	70	1
-46.818693367314	-24.187046855058	VS	70	1	-46.91479304184	-24.236560599068	VS	100	1
-46.719487834129	-24.143595598878	VS	100	1	-46.914975117623	-24.236773265874	VS	100	1
-46.718874113562	-24.146222427306	VS	100	1	-46.914591070807	-24.23633911987	VS	70	1
-46.841373325358	-24.163316548103	VS	70	1	-46.914869961693	-24.23640391004	VS	100	1
-46.842135789716	-24.163959304387	VS	70	1	-46.914618365534	-24.236566749867	VS	100	1
-46.842386295737	-24.164172993356	VS	70	1	-46.914290406561	-24.23681039034	VS	100	1
-46.842653595807	-24.164388231445	VS	70	1	-46.914001263314	-24.237026806423	VS	100	1
-46.841652483795	-24.163758363591	VS	70	1	-46.784703151673	-24.18287143451	VS	100	1
-46.84189761296	-24.163525496938	VS	70	1	-46.910542307071	-24.243063840385	VS	100	1
-46.834243833094	-24.188398315311	VS	70	1	-46.711696288931	-24.141980887721	VS	100	1
-46.834022486603	-24.188176959718	VS	70	1	-46.711290129848	-24.142028190093	VS	100	1
-46.833731125492	-24.187902601656	VS	70	1	-46.77454110622	-24.158415992931	VS	70	1
-46.833510581743	-24.187690761438	VS	70	1	-46.773990877985	-24.15880368146	VS	70	1
-46.833747341093	-24.187708721367	VS	70	1	-46.921280996435	-24.231416487383	VS	100	1
-46.830274950467	-24.188269206747	VS	70	1	-46.919303856239	-24.232941286415	VS	100	1
-46.83000751643	-24.188494781635	VS	70	1	-46.917933844385	-24.233242691529	VS	70	1
-46.829813503347	-24.18866388982	VS	70	1	-46.715419308279	-24.143844149862	VS	100	1
-46.829560931813	-24.188854969812	VS	70	1	-46.918131910298	-24.233803198535	VS	100	1
-46.828959150413	-24.189370468718	VS	70	1	-46.77648536325	-24.16905868091	VS	100	1
-46.82870704837	-24.18960045519	VS	70	1	-46.781438215212	-24.165801523068	VS	100	1
-46.827458016763	-24.18901582373	VS	250	1	-46.776234843346	-24.168934518271	VS	100	1
-46.818829243367	-24.187392511266	VS	100	1	-46.776308669069	-24.169158225839	VS	100	1
-46.818921801666	-24.187601024959	VS	100	1	-46.775999735489	-24.169373144731	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.842118274573	-24.163309525285	VS	70	1	-46.77568003544	-24.169595968407	VS	100	1
-46.78136566492	-24.171748733484	VS	250	1	-46.846480332978	-24.215713110098	VS	70	1
-46.811972532389	-24.188660317622	VS	100	1	-46.846652071035	-24.215916807107	VS	70	1
-46.812050159873	-24.188568030185	VS	100	1	-46.846823757983	-24.216111801951	VS	70	1
-46.812268567479	-24.188263117286	VS	100	1	-46.848407107662	-24.215796137455	VS	70	1
-46.811807841311	-24.188705480548	VS	100	1	-46.848345144662	-24.215965356711	VS	70	1
-46.812218804141	-24.189128612935	VS	100	1	-46.84799294048	-24.215317616901	VS	70	1
-46.812441149656	-24.189414343796	VS	100	1	-46.848281966013	-24.216707378413	VS	70	1
-46.911112276874	-24.234492130537	VS	100	1	-46.848165100034	-24.215506582409	VS	70	1
-46.819015442795	-24.187793240402	VS	100	1	-46.847858378059	-24.215528239305	VS	70	1
-46.818654693447	-24.187250581729	VS	100	1	-46.848111686413	-24.217471477091	VS	70	1
-46.818350135506	-24.187293639962	VS	100	1	-46.848138319105	-24.215329782613	VS	70	1
-46.817933858613	-24.187343247292	VS	100	1	-46.84830243041	-24.215212500093	VS	70	1
-46.817581621124	-24.187390547389	VS	100	1	-46.84800760829	-24.216403135767	VS	70	1
-46.818899343057	-24.187737387928	VS	100	1	-46.847980065881	-24.217454259075	VS	70	1
-46.818690460623	-24.187755306305	VS	100	1	-46.848457130437	-24.215104084789	VS	70	1
-46.817926603858	-24.187825078838	VS	100	1	-46.848522640695	-24.214885228861	VS	70	1
-46.81761828556	-24.187850216479	VS	100	1	-46.913644060137	-24.237279604235	VS	100	1
-46.817146383562	-24.187896011469	VS	100	1	-46.913402829232	-24.237460140674	VS	100	1
-46.910842134094	-24.234690666858	VS	100	1	-46.913065266025	-24.23771277079	VS	100	1
-46.910301649869	-24.235078814945	VS	100	1	-46.912819639356	-24.236603522777	VS	100	1
-46.909780568576	-24.23545788027	VS	100	1	-46.91299121761	-24.236789508416	VS	100	1
-46.90951022565	-24.235647490894	VS	100	1	-46.913163248112	-24.236993341079	VS	100	1
-46.909239862302	-24.235837100397	VS	100	1	-46.913365405541	-24.237223690442	VS	100	1
-46.827746498069	-24.18918391349	VS	250	1	-46.913678440019	-24.237569116959	VS	100	1
-46.828055586917	-24.189368120514	VS	250	1	-46.913920983728	-24.237843759866	VS	100	1
-46.82864890367	-24.18973191138	VS	250	1	-46.914411073238	-24.234117660962	VS	70	1
-46.828354382988	-24.18954427296	VS	250	1	-46.917079815154	-24.230157364693	VS	100	1
-46.835107709372	-24.186322432258	VS	70	1	-46.914663283946	-24.231910733853	VS	100	1
-46.835860695447	-24.187047351691	VS	70	1	-46.916788536851	-24.23035755496	VS	100	1
-46.835599428662	-24.186799552595	VS	70	1	-46.77506215304	-24.158037400745	VS	70	1
-46.769375975055	-24.163547710418	VS	100	1	-46.774811231506	-24.158217704388	VS	70	1
-46.795492125849	-24.184348716227	VS	100	1	-46.714496361055	-24.142865059566	VS	100	1
-46.908969723775	-24.236035632853	VS	100	1	-46.714398920964	-24.142639859584	VS	100	1
-46.908694748577	-24.2362371723	VS	100	1	-46.714115784338	-24.142650818469	VS	100	1
-46.90843881894	-24.236414770836	VS	100	1	-46.714681985615	-24.142433096761	VS	100	1
-46.907908196964	-24.236802786605	VS	100	1	-46.714845548942	-24.142322491472	VS	100	1
-46.907168710132	-24.231142779986	VS	100	1	-46.715086909887	-24.142151282851	VS	100	1
-46.906970417568	-24.232625167499	VS	100	1	-46.715236316734	-24.142140969899	VS	100	1
-46.906781409641	-24.232385175239	VS	100	1	-46.715510798352	-24.142288261959	VS	100	1
-46.906534833674	-24.232103986016	VS	100	1	-46.848328076953	-24.213942492077	VS	70	1
-46.829290035177	-24.188013278287	VS	70	1	-46.847778065362	-24.214348376494	VS	70	1
-46.829524327669	-24.188231280086	VS	70	1	-46.847682357155	-24.217095569346	VS	70	1
-46.829768225783	-24.188459778109	VS	70	1	-46.847655021172	-24.216457828083	VS	70	1
-46.829999331028	-24.188689683382	VS	70	1	-46.847554594455	-24.215758836131	VS	70	1
-46.90637727211	-24.23169333498	VS	100	1	-46.847430428478	-24.214592012354	VS	70	1
-46.906347940865	-24.231891325674	VS	100	1	-46.846610091363	-24.215187350145	VS	70	1
-46.905524810633	-24.234555673772	VS	100	1	-46.847413281817	-24.215714692205	VS	70	1
-46.905235305205	-24.234763226004	VS	100	1	-46.847404054516	-24.216638249083	VS	70	1
-46.904938361711	-24.234992361295	VS	100	1	-46.84730801438	-24.215916232332	VS	70	1
-46.724655300702	-24.151302629369	VS	70	1	-46.847208291729	-24.214745432871	VS	70	1
-46.83027092549	-24.188955391813	VS	70	1	-46.8472215424	-24.215502037536	VS	70	1
-46.830542434502	-24.189212288816	VS	70	1	-46.785217107453	-24.184669920497	VS	150	1
-46.833268775157	-24.187460018026	VS	70	1	-46.790810061018	-24.184716831028	VS	150	1
-46.834029033602	-24.186735281973	VS	70	1	-46.784720182473	-24.184414877471	VS	150	1
-46.834261868993	-24.186964453224	VS	70	1	-46.784442353621	-24.18428320612	VS	150	1
-46.83451723115	-24.187223579289	VS	70	1	-46.846291468166	-24.21541291359	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.830424093874	-24.204894124374	VS	100	1	-46.846298620889	-24.215509293739	VS	70	1
-46.903435872943	-24.238348078776	VS	100	1	-46.916494195554	-24.230575722744	VS	100	1
-46.903383968991	-24.236964577088	VS	100	1	-46.916232326234	-24.230769722988	VS	100	1
-46.903186506588	-24.238527953998	VS	100	1	-46.915956287331	-24.230972025007	VS	100	1
-46.903148549022	-24.238788322027	VS	100	1	-46.915695768204	-24.231161570106	VS	100	1
-46.902938548449	-24.234815333652	VS	100	1	-46.915454447317	-24.231333101321	VS	100	1
-46.90294670348	-24.238558320753	VS	100	1	-46.915184111128	-24.23152272416	VS	100	1
-46.902935565866	-24.238708453507	VS	100	1	-46.914923806035	-24.23172119095	VS	100	1
-46.902785525697	-24.237397856178	VS	100	1	-46.914412360586	-24.232091274125	VS	100	1
-46.835022081161	-24.187698915218	VS	70	1	-46.914122812507	-24.232298898517	VS	100	1
-46.835515005951	-24.188183219113	VS	100	1	-46.913891312729	-24.232470357202	VS	100	1
-46.902633680809	-24.238212848091	VS	100	1	-46.913621178279	-24.232668899659	VS	100	1
-46.902431328465	-24.237973563578	VS	100	1	-46.913322037901	-24.232885524437	VS	100	1
-46.902272983092	-24.238724397665	VS	100	1	-46.715697458511	-24.14238269817	VS	100	1
-46.71686407411	-24.13744833945	VS	100	1	-46.715448541496	-24.14252364761	VS	100	1
-46.71636940044	-24.137806349444	VS	100	1	-46.715091315992	-24.142775962808	VS	100	1
-46.716118635362	-24.137977369021	VS	100	1	-46.714892897252	-24.143083607204	VS	100	1
-46.716093497245	-24.138105057181	VS	100	1	-46.715947791808	-24.142510026981	VS	100	1
-46.818673732451	-24.150035661083	VS	70	1	-46.716289141496	-24.142686667293	VS	100	1
-46.90215837717	-24.237858057288	VS	100	1	-46.715908461113	-24.14276378143	VS	100	1
-46.901944110818	-24.229953536053	VS	100	1	-46.715603488316	-24.142983516579	VS	100	1
-46.902101410417	-24.238538401395	VS	100	1	-46.715406549915	-24.143124178451	VS	100	1
-46.901919600367	-24.238334672725	VS	100	1	-46.715439520388	-24.143383058008	VS	100	1
-46.901687144932	-24.238068878108	VS	100	1	-46.715131496894	-24.143215755113	VS	100	1
-46.901723009468	-24.238176683152	VS	100	1	-46.716042315801	-24.143458778105	VS	100	1
-46.901433243867	-24.230341305268	VS	100	1	-46.716312488988	-24.143260601797	VS	100	1
-46.901454896414	-24.237811988194	VS	100	1	-46.847248263959	-24.216608207512	VS	70	1
-46.871563562285	-24.221575651813	VS	70	1	-46.847191536233	-24.216782654213	VS	70	1
-46.872210463681	-24.221124403003	VS	70	1	-46.847134299166	-24.216042510878	VS	70	1
-46.872529278987	-24.220907703968	VS	70	1	-46.84706994482	-24.215324758732	VS	70	1
-46.901535188319	-24.238303502753	VS	100	1	-46.846980009697	-24.216159708551	VS	70	1
-46.901200820708	-24.230513322288	VS	100	1	-46.846879471404	-24.215096161627	VS	70	1
-46.901236913363	-24.234407293163	VS	100	1	-46.846861453148	-24.215006499262	VS	70	1
-46.90123978948	-24.238370011428	VS	100	1	-46.846714408206	-24.216341225292	VS	100	1
-46.901212389939	-24.237545994058	VS	100	1	-46.846727926518	-24.217118817624	VS	70	1
-46.900950607808	-24.230693370732	VS	100	1	-46.913061501387	-24.233075063669	VS	100	1
-46.900997500215	-24.238104284231	VS	100	1	-46.91278880146	-24.233277187117	VS	100	1
-46.900886102579	-24.23420079978	VS	100	1	-46.912530846053	-24.233463142924	VS	100	1
-46.729995683875	-24.153047136071	VS	100	1	-46.912328141654	-24.233607583861	VS	100	1
-46.73032251486	-24.153222224988	VS	100	1	-46.912028987203	-24.233824205218	VS	100	1
-46.900709486725	-24.230873808187	VS	100	1	-46.911730057287	-24.234049758422	VS	100	1
-46.900764813026	-24.237829546744	VS	100	1	-46.91142107522	-24.234266456587	VS	100	1
-46.900660390501	-24.234812816508	VS	100	1	-46.921022350653	-24.231895016313	VS	70	1
-46.899679580994	-24.231626139817	VS	100	1	-46.920708519742	-24.232134228613	VS	70	1
-46.900605771111	-24.233567170475	VS	100	1	-46.91205306649	-24.241982988418	VS	70	1
-46.900763827221	-24.238706690226	VS	100	1	-46.911890179121	-24.24241234343	VS	70	1
-46.900537109684	-24.233989476764	VS	100	1	-46.911763686897	-24.241833288214	VS	70	1
-46.90053254788	-24.237572637168	VS	100	1	-46.911501537408	-24.241469750622	VS	70	1
-46.900496739598	-24.2385013175	VS	100	1	-46.716607673611	-24.143056844441	VS	100	1
-46.900306375497	-24.23377484258	VS	100	1	-46.716953898042	-24.14302072592	VS	100	1
-46.900310352912	-24.234595712071	VS	100	1	-46.717313987447	-24.143202019981	VS	100	1
-46.900300603274	-24.237312814605	VS	100	1	-46.717325073835	-24.14344705007	VS	100	1
-46.900202653547	-24.235135974749	VS	100	1	-46.717054495054	-24.143627384791	VS	100	1
-46.900257721412	-24.238238499704	VS	100	1	-46.716813346116	-24.143807518541	VS	100	1
-46.900045941344	-24.233964287717	VS	100	1	-46.716661572383	-24.144025792655	VS	100	1
-46.899951319526	-24.234375542036	VS	100	1	-46.71699069186	-24.144200780888	VS	100	1
-46.899833457439	-24.234932174726	VS	100	1	-46.716323651252	-24.143849627775	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.899773551075	-24.233765137471	VS	100	1	-46.716105302275	-24.143744095841	VS	100	1
-46.899572861264	-24.234316433339	VS	100	1	-46.715767208091	-24.143553744077	VS	100	1
-46.899561825365	-24.233543765872	VS	100	1	-46.717436930956	-24.144062256322	VS	100	1
-46.899504321542	-24.234729608216	VS	100	1	-46.846584681791	-24.217537285979	VS	70	1
-46.877270679817	-24.231529044062	VS	100	1	-46.846458648975	-24.216520557963	VS	70	1
-46.895675010776	-24.236960875306	VS	100	1	-46.846448444635	-24.217323829319	VS	70	1
-46.895483369915	-24.236757181209	VS	100	1	-46.846254613138	-24.216526984222	VS	70	1
-46.89529151456	-24.236544572785	VS	100	1	-46.846188315591	-24.216719075102	VS	70	1
-46.895259077624	-24.236318327841	VS	100	1	-46.846072900502	-24.216323167501	VS	70	1
-46.872828454374	-24.220691165202	VS	70	1	-46.846072433362	-24.216800291509	VS	70	1
-46.873147044413	-24.220465541299	VS	70	1	-46.845908539754	-24.216926485095	VS	70	1
-46.873369186746	-24.220312080542	VS	70	1	-46.845810619329	-24.216951390056	VS	70	1
-46.873541389848	-24.220259888492	VS	70	1	-46.845705059822	-24.215915322773	VS	70	1
-46.899369751256	-24.233322239076	VS	100	1	-46.911473807919	-24.241667876065	VS	70	1
-46.899188184469	-24.22825138991	VS	100	1	-46.911761390792	-24.242505365199	VS	70	1
-46.899283961135	-24.234523574757	VS	100	1	-46.907265055496	-24.219496298604	VS	100	1
-46.898956521965	-24.228413848492	VS	100	1	-46.906946958805	-24.219739840406	VS	100	1
-46.898979149709	-24.23474820205	VS	100	1	-46.90663811875	-24.219956472504	VS	100	1
-46.899033639494	-24.237160219136	VS	100	1	-46.906339147454	-24.220182052623	VS	100	1
-46.877725103315	-24.228951881824	VS	100	1	-46.906030430653	-24.220407667142	VS	100	1
-46.877553052799	-24.229062093342	VS	100	1	-46.905789286966	-24.220588151116	VS	100	1
-46.877263199637	-24.229260751963	VS	100	1	-46.905509927612	-24.220804510459	VS	100	1
-46.877084398963	-24.228560663579	VS	100	1	-46.904202668344	-24.228337824139	VS	100	1
-46.876876943384	-24.229531531662	VS	100	1	-46.903700827396	-24.228707911668	VS	100	1
-46.898686162945	-24.228603439257	VS	100	1	-46.903217762494	-24.228436619497	VS	100	1
-46.898834861761	-24.235641196036	VS	100	1	-46.891119285735	-24.238447630756	VS	100	1
-46.898743042669	-24.234902892945	VS	100	1	-46.717295717421	-24.142472300391	VS	100	1
-46.898444828552	-24.228774950044	VS	100	1	-46.717046681873	-24.146562316308	VS	100	1
-46.876723238685	-24.229526234586	VS	100	1	-46.715997818547	-24.145769904064	VS	100	1
-46.898582101856	-24.235348773847	VS	100	1	-46.717267745444	-24.144360394462	VS	100	1
-46.898566566025	-24.237264124457	VS	100	1	-46.717224806082	-24.14422433763	VS	100	1
-46.898501920223	-24.235083316593	VS	100	1	-46.761367071924	-24.168201815746	VS	100	1
-46.87654125997	-24.225132151487	VS	100	1	-46.760581909847	-24.16778823815	VS	100	1
-46.876509250279	-24.228231911109	VS	100	1	-46.758713441499	-24.168256460219	VS	100	1
-46.876499538957	-24.228963527994	VS	100	1	-46.845731831849	-24.215827794826	VS	70	1
-46.898408157969	-24.237611972766	VS	250	1	-46.845579025937	-24.216794725907	VS	70	1
-46.898260656392	-24.235263835147	VS	100	1	-46.845525194588	-24.215976974539	VS	70	1
-46.898031833324	-24.235737069471	VS	100	1	-46.845327391151	-24.216626757482	VS	70	1
-46.897692306421	-24.22932535324	VS	100	1	-46.845249382766	-24.216179505748	VS	70	1
-46.897479965344	-24.229478791126	VS	100	1	-46.845107703269	-24.216476783499	VS	70	1
-46.897586312821	-24.235487446343	VS	100	1	-46.903005423369	-24.229204917983	VS	100	1
-46.897472943995	-24.238288907751	VS	250	1	-46.90497795004	-24.226446296532	VS	100	1
-46.897238377062	-24.229657803576	VS	100	1	-46.904746748503	-24.226626594427	VS	100	1
-46.89735385266	-24.235221628354	VS	100	1	-46.904254460571	-24.226978674431	VS	100	1
-46.896987904257	-24.229839731507	VS	100	1	-46.903951755705	-24.228527390198	VS	100	1
-46.897126638856	-24.234970062686	VS	100	1	-46.903884022054	-24.229163012765	VS	100	1
-46.897140089612	-24.238626381493	VS	100	1	-46.903742483266	-24.227364575219	VS	100	1
-46.896782515525	-24.225364304229	VS	100	1	-46.903682119529	-24.228941578062	VS	100	1
-46.88510127972	-24.203437960589	VS	100	1	-46.903469088016	-24.228870438738	VS	100	1
-46.896958849517	-24.238656534669	VS	250	1	-46.903459826023	-24.228693427332	VS	100	1
-46.901745557431	-24.235182031012	VS	250	1	-46.903232150474	-24.227736497422	VS	100	1
-46.897015942137	-24.236175212319	VS	100	1	-46.90331061363	-24.228987143156	VS	100	1
-46.86829226099	-24.224638161973	VS	100	1	-46.902985112645	-24.228161923702	VS	100	1
-46.904837933912	-24.237916405605	VS	100	1	-46.759064932127	-24.151765955255	VS	100	1
-46.904723868637	-24.237398608426	VS	100	1	-46.754567106574	-24.167653339879	VS	100	1
-46.896912365494	-24.238370356011	VS	100	1	-46.753903669806	-24.167547487955	VS	100	1
-46.896737219876	-24.230029145999	VS	70	1	-46.755350895942	-24.165001406773	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.896493125503	-24.225580860203	VS	100	1	-46.753432997152	-24.16618784158	VS	100	1
-46.896796607514	-24.240075327283	VS	100	1	-46.752353715118	-24.165953986219	VS	100	1
-46.896546283069	-24.230274110294	VS	70	1	-46.752883068486	-24.165117193747	VS	100	1
-46.896540648963	-24.230175506306	VS	70	1	-46.761510553577	-24.168366611765	VS	100	1
-46.896360803476	-24.230308982426	VS	70	1	-46.761605739354	-24.168342683706	VS	100	1
-46.896570525887	-24.239826901341	VS	100	1	-46.761128370436	-24.168069718659	VS	100	1
-46.896619602511	-24.241909708407	VS	100	1	-46.760746092412	-24.167997363651	VS	100	1
-46.896213401308	-24.225779291705	VS	100	1	-46.760566359323	-24.168284174712	VS	100	1
-46.895943129252	-24.22597789666	VS	100	1	-46.846518000098	-24.213624645074	VS	100	1
-46.876293408866	-24.211374433741	VS	100	1	-46.846265419508	-24.21333215729	VS	70	1
-46.813003466699	-24.192024248387	VS	100	1	-46.846133431846	-24.214051614118	VS	70	1
-46.72378118332	-24.144659479951	VS	100	1	-46.845834843403	-24.215004537217	VS	70	1
-46.723510822349	-24.144848749166	VS	100	1	-46.845572217516	-24.21470319932	VS	100	1
-46.723250267689	-24.145037950496	VS	100	1	-46.84551773179	-24.21570284085	VS	70	1
-46.722999315765	-24.145218162176	VS	100	1	-46.84534034234	-24.214455166546	VS	70	1
-46.87627065773	-24.225312793534	VS	100	1	-46.844635259136	-24.213926673574	VS	70	1
-46.876416057461	-24.229340358074	VS	100	1	-46.843990601393	-24.21559415923	VS	70	1
-46.876308182758	-24.228367183996	VS	100	1	-46.902952423635	-24.227944021655	VS	100	1
-46.876315762156	-24.229090055113	VS	100	1	-46.902687241683	-24.229430105144	VS	100	1
-46.876088366859	-24.229144736797	VS	100	1	-46.902380573431	-24.229645458245	VS	100	1
-46.904598713005	-24.237775583253	VS	100	1	-46.902156362089	-24.229809222806	VS	100	1
-46.904475085513	-24.237579728158	VS	100	1	-46.902730786465	-24.228115331645	VS	100	1
-46.904060446282	-24.237458719973	VS	100	1	-46.904867183164	-24.22840536669	VS	100	1
-46.903902921969	-24.238693374502	VS	100	1	-46.905099650638	-24.228671173764	VS	100	1
-46.903821227208	-24.237317896616	VS	100	1	-46.903163807471	-24.225354349757	VS	100	1
-46.903688291961	-24.238157925276	VS	100	1	-46.901928493763	-24.226247939071	VS	100	1
-46.903641328127	-24.236789848733	VS	100	1	-46.899892179615	-24.227719117583	VS	100	1
-46.90366040106	-24.23841871824	VS	100	1	-46.902681326687	-24.225706346416	VS	100	1
-46.903561711006	-24.237150458702	VS	100	1	-46.760293516084	-24.167629738095	VS	100	1
-46.8760302307	-24.22855931967	VS	100	1	-46.759984076085	-24.167603369432	VS	100	1
-46.875778733682	-24.225664485194	VS	100	1	-46.759975164598	-24.167497594212	VS	100	1
-46.875809045731	-24.228968505383	VS	100	1	-46.759840658234	-24.167573654065	VS	100	1
-46.875719064848	-24.22877338298	VS	100	1	-46.759813739113	-24.167872274807	VS	100	1
-46.875659897923	-24.228048111469	VS	100	1	-46.759623969234	-24.168150240242	VS	100	1
-46.90325273165	-24.236965646262	VS	100	1	-46.759453836585	-24.168428067106	VS	100	1
-46.903225718201	-24.237922445888	VS	100	1	-46.759589698432	-24.167753926842	VS	100	1
-46.902979449524	-24.23544195471	VS	100	1	-46.759377161144	-24.167898224401	VS	100	1
-46.902993325998	-24.236807073829	VS	100	1	-46.759135803399	-24.168069504754	VS	100	1
-46.875503509862	-24.225969093046	VS	100	1	-46.758884831889	-24.168249775812	VS	100	1
-46.875517709037	-24.22584014699	VS	100	1	-46.758948249414	-24.168361225477	VS	100	1
-46.875554919692	-24.228761679357	VS	100	1	-46.759205004511	-24.168494378632	VS	100	1
-46.875408938047	-24.228228580887	VS	100	1	-46.847245804639	-24.214475737038	VS	70	1
-46.875284231826	-24.2258144444053	VS	100	1	-46.846988715084	-24.213449496931	VS	70	1
-46.875250815115	-24.223051288803	VS	100	1	-46.846982954468	-24.214165478197	VS	70	1
-46.875157764019	-24.228400126773	VS	100	1	-46.846720472152	-24.213872990985	VS	70	1
-46.874767736133	-24.212430548022	VS	70	1	-46.846693411081	-24.213654627867	VS	100	1
-46.902734242693	-24.236657481233	VS	100	1	-46.846685630829	-24.214863802782	VS	70	1
-46.902660562642	-24.235257162971	VS	100	1	-46.846452051481	-24.213826050554	VS	70	1
-46.902484985465	-24.236507819615	VS	100	1	-46.846412967582	-24.214553626591	VS	70	1
-46.902373887198	-24.23581933629	VS	100	1	-46.846160587506	-24.214270060967	VS	70	1
-46.902331645658	-24.235063525389	VS	100	1	-46.846096826015	-24.215279106173	VS	70	1
-46.902225736122	-24.23634934044	VS	100	1	-46.902440057631	-24.225876153381	VS	100	1
-46.902064836007	-24.235634465891	VS	100	1	-46.902144856745	-24.22608802006	VS	100	1
-46.901996502195	-24.235001514958	VS	250	1	-46.901629344135	-24.226464540007	VS	100	1
-46.901970522317	-24.234842131138	VS	100	1	-46.901358992928	-24.226654136656	VS	100	1
-46.901963906216	-24.236207264621	VS	100	1	-46.901098465904	-24.226843655035	VS	100	1
-46.901745619181	-24.235440682878	VS	100	1	-46.900847497833	-24.227024197681	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.901613841798	-24.23463217181	VS	100	1	-46.900615994108	-24.22719563508	VS	100	1
-46.815943558746	-24.185485492915	VS	100	1	-46.900374880326	-24.227376063873	VS	100	1
-46.812659923832	-24.191854291968	VS	250	2	-46.900133510202	-24.227547603948	VS	100	1
-46.901627801709	-24.235997336897	VS	100	1	-46.899631648383	-24.227908632841	VS	100	1
-46.901494917386	-24.235371418105	VS	250	1	-46.89945810188	-24.228043951358	VS	100	1
-46.794030162234	-24.163845367717	VS	70	1	-46.899244335043	-24.226621975778	VS	70	1
-46.794366147714	-24.16415456779	VS	70	1	-46.759687882309	-24.167339701101	VS	100	1
-46.79399987963	-24.164067799041	VS	70	1	-46.759085694104	-24.167386912346	VS	100	1
-46.793692704902	-24.164016191623	VS	70	1	-46.758934346595	-24.167628911186	VS	100	1
-46.794723056314	-24.164250480736	VS	70	1	-46.758783204353	-24.167879831899	VS	100	1
-46.908230772968	-24.246294784531	VS	70	1	-46.758655260544	-24.168068145594	VS	100	1
-46.88652239277	-24.22509682601	VS	100	1	-46.758594346365	-24.168417297513	VS	100	1
-46.884953095034	-24.225620818603	VS	100	1	-46.758450831891	-24.168355158186	VS	100	1
-46.884682725738	-24.225810382456	VS	100	1	-46.758675530296	-24.167191687234	VS	100	1
-46.882463020051	-24.230800287503	VS	100	1	-46.758505181686	-24.167460590573	VS	100	1
-46.882155229846	-24.234655065934	VS	100	1	-46.758295454232	-24.167778577064	VS	100	1
-46.901936461681	-24.237424315607	VS	100	1	-46.758420217623	-24.168107378654	VS	100	1
-46.845969350337	-24.210024160762	VS	70	1	-46.758181735768	-24.167984199755	VS	100	1
-46.841262400423	-24.210158048506	VS	100	1	-46.758215904316	-24.166847029973	VS	100	1
-46.841526739895	-24.209718770301	VS	70	1	-46.846022865428	-24.213048508503	VS	70	1
-46.841385074066	-24.209951867878	VS	70	1	-46.845859292107	-24.214251262437	VS	70	1
-46.838269237007	-24.206525137952	VS	100	1	-46.845802968682	-24.213078836134	VS	70	1
-46.909460971809	-24.231658980216	VS	70	1	-46.84569576896	-24.213729391653	VS	70	1
-46.909775090403	-24.23143619344	VS	70	1	-46.845544813689	-24.214475477048	VS	70	1
-46.910082332356	-24.231216556995	VS	70	1	-46.845484571838	-24.213313312497	VS	70	1
-46.907312611932	-24.233251672036	VS	70	1	-46.845453426912	-24.213454673832	VS	70	1
-46.906721496931	-24.233689206923	VS	70	1	-46.845255316765	-24.215410434125	VS	70	1
-46.906412905422	-24.233914695771	VS	70	1	-46.845197334187	-24.214728064639	VS	100	1
-46.906122714491	-24.234113656736	VS	70	1	-46.845088186408	-24.214180522537	VS	70	1
-46.905221320273	-24.23450955407	VS	70	1	-46.844992903202	-24.215118018091	VS	70	1
-46.904949899206	-24.234253146672	VS	70	1	-46.844965572887	-24.214890487171	VS	70	1
-46.908503775762	-24.230173389805	VS	70	1	-46.844867998278	-24.213752259547	VS	70	1
-46.908230876066	-24.230366113235	VS	70	1	-46.901929218059	-24.225966505206	VS	100	1
-46.907941324147	-24.230573725038	VS	70	1	-46.901737148691	-24.225744982219	VS	100	1
-46.907841371418	-24.231614819027	VS	70	1	-46.905561259337	-24.22361914675	VS	100	1
-46.907618934539	-24.231357850969	VS	70	1	-46.901983180123	-24.225077002002	VS	70	1
-46.907387123947	-24.23111881682	VS	70	1	-46.90177128432	-24.224846766595	VS	70	1
-46.9035536775	-24.232402679072	VS	70	1	-46.901545510661	-24.225541305529	VS	100	1
-46.903032087293	-24.232855426292	VS	70	1	-46.901412941928	-24.2262506197	VS	100	1
-46.902899915276	-24.233582541975	VS	100	1	-46.758026358658	-24.167133915817	VS	100	1
-46.869491781777	-24.192981370078	VS	100	1	-46.757874793748	-24.167367000004	VS	100	1
-46.903044049913	-24.231859097599	VS	70	1	-46.757727256972	-24.167608400349	VS	100	1
-46.837932883895	-24.207102658118	VS	100	1	-46.757873903047	-24.167818139701	VS	100	1
-46.838329733747	-24.207300810706	VS	100	1	-46.757524308823	-24.167587355935	VS	100	1
-46.8381324712	-24.206763803084	VS	70	1	-46.757216398023	-24.167429054936	VS	100	1
-46.840211928327	-24.205417512121	VS	70	1	-46.756938025114	-24.167279402036	VS	100	1
-46.837406364805	-24.203777037711	VS	70	1	-46.757543632981	-24.167895919134	VS	100	1
-46.838486837712	-24.203799716433	VS	70	1	-46.75740879735	-24.167946552652	VS	100	1
-46.836984160192	-24.159620918706	VS	70	1	-46.757176096586	-24.167830448311	VS	100	1
-46.836723592916	-24.159399878984	VS	70	1	-46.757354289797	-24.168191725782	VS	100	1
-46.835923656195	-24.159602503259	VS	100	1	-46.757193509773	-24.168451670924	VS	100	1
-46.828959323111	-24.152480847874	VS	100	1	-46.844835810237	-24.213896955196	VS	70	1
-46.834989833941	-24.159653768352	VS	70	1	-46.844723504923	-24.214823364164	VS	70	1
-46.83528473386	-24.159889886935	VS	70	1	-46.844710079201	-24.215071970052	VS	70	1
-46.835579634891	-24.160126005088	VS	70	1	-46.844728433461	-24.215903402846	VS	70	1
-46.833431057682	-24.176010518048	VS	70	1	-46.844537584096	-24.213345922759	VS	70	1
-46.833328061278	-24.173017801525	VS	70	1	-46.844528586506	-24.214595274274	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.824471942695	-24.175414750313	VS	70	1	-46.84439594083	-24.215296488651	VS	70	1
-46.82415037177	-24.175206070689	VS	70	1	-46.844307044278	-24.21416123029	VS	100	1
-46.808040329772	-24.191821001891	VS	100	1	-46.844286256041	-24.214320545989	VS	70	1
-46.801338383924	-24.160828354402	VS	70	1	-46.844164318459	-24.215467884617	VS	70	1
-46.79538216319	-24.163538399195	VS	70	1	-46.844057472886	-24.21433716676	VS	70	1
-46.795711516619	-24.163118708746	VS	70	1	-46.901373426202	-24.225346009371	VS	100	1
-46.793235167149	-24.163139873526	VS	70	1	-46.901171749174	-24.225133486845	VS	100	1
-46.796121732489	-24.16100375688	VS	70	1	-46.903385634315	-24.225191970095	VS	100	1
-46.796454732547	-24.16139110013	VS	70	1	-46.905318808412	-24.223792633168	VS	100	1
-46.79547766537	-24.161262636301	VS	70	1	-46.855293454532	-24.213656021584	VS	70	1
-46.79888252793	-24.160018522752	VS	70	1	-46.855046370777	-24.213825400789	VS	70	1
-46.799191986578	-24.159801707486	VS	70	1	-46.905605284235	-24.223286157992	VS	100	1
-46.799487497928	-24.159566682427	VS	70	1	-46.905413426684	-24.223073562551	VS	100	1
-46.782445489496	-24.141304417186	VS	70	1	-46.905219953934	-24.221012423227	VS	100	1
-46.782170598305	-24.141201178667	VS	70	1	-46.905231835528	-24.222878735746	VS	100	1
-46.781764279179	-24.141048141011	VS	70	1	-46.905019466502	-24.222630629935	VS	100	1
-46.780387156898	-24.141227662176	VS	100	1	-46.75666936238	-24.168271723171	VS	100	1
-46.867893598043	-24.228824589128	VS	100	1	-46.756378598884	-24.168122052853	VS	100	1
-46.867641956528	-24.229002077404	VS	100	1	-46.756115895188	-24.168111097183	VS	100	1
-46.86737827399	-24.229202851571	VS	70	1	-46.7559738164	-24.168335328664	VS	100	1
-46.78362287339	-24.14625034	VS	70	1	-46.756305240659	-24.167824497303	VS	100	1
-46.783281216927	-24.146306501197	VS	70	1	-46.756494491945	-24.167528842873	VS	100	1
-46.784016133287	-24.14617736708	VS	70	1	-46.756664496113	-24.167241973749	VS	100	1
-46.784302417544	-24.146125018382	VS	70	1	-46.756813546186	-24.16695757665	VS	100	1
-46.784620292922	-24.146067475557	VS	70	1	-46.756639455223	-24.167103166997	VS	100	1
-46.784966025679	-24.146004743292	VS	70	1	-46.756972975656	-24.166701867492	VS	100	1
-46.806444055341	-24.196508511499	VS	100	1	-46.941094944883	-24.182694375316	VS	100	1
-46.795072232681	-24.181904214417	VS	100	1	-46.935653851371	-24.176222770264	VS	100	1
-46.792444705714	-24.181465058195	VS	100	1	-46.843505651677	-24.214729649572	VS	70	1
-46.88178508585	-24.237023240811	VS	100	1	-46.843443422218	-24.215402339903	VS	70	1
-46.882084290611	-24.236806687075	VS	100	1	-46.843071559541	-24.215197216703	VS	70	1
-46.902801852476	-24.231593457728	VS	70	1	-46.849811305574	-24.216253106073	VS	70	1
-46.779636896076	-24.162119168649	VS	70	1	-46.851529423306	-24.21502627296	VS	70	1
-46.779242074696	-24.162039526401	VS	70	1	-46.904959439735	-24.221192888801	VS	100	1
-46.77815174286	-24.163030086644	VS	70	1	-46.904787223838	-24.222373747326	VS	100	1
-46.777834186466	-24.162892808569	VS	70	1	-46.904669906673	-24.221400496605	VS	100	1
-46.777557797165	-24.162784647089	VS	70	1	-46.904595369236	-24.222161142187	VS	100	1
-46.777362464218	-24.162421172555	VS	70	1	-46.904409435801	-24.221589996887	VS	100	1
-46.877135219362	-24.214775886616	VS	70	1	-46.904403514967	-24.221948545895	VS	100	1
-46.877283581117	-24.214670377887	VS	70	1	-46.904225979698	-24.221755802113	VS	100	1
-46.87749651247	-24.214517326854	VS	70	1	-46.909580640214	-24.246369036215	VS	100	1
-46.877773076017	-24.214324146332	VS	70	1	-46.909389177979	-24.246174287338	VS	100	1
-46.877901146837	-24.214225299921	VS	70	1	-46.909167017218	-24.245617829163	VS	100	1
-46.878038976066	-24.21413632944	VS	70	1	-46.909146416473	-24.245890713316	VS	100	1
-46.878164397221	-24.214041594558	VS	70	1	-46.855208117486	-24.213857291569	VS	70	1
-46.87834684789	-24.213916676614	VS	70	1	-46.907084740351	-24.222489335776	VS	100	1
-46.876903481888	-24.214941690237	VS	70	1	-46.757318099216	-24.166167866134	VS	100	1
-46.876568211253	-24.215187086781	VS	70	1	-46.756934924234	-24.166417322768	VS	100	1
-46.876113739667	-24.215522001316	VS	70	1	-46.756636758756	-24.166258904875	VS	100	1
-46.875851523474	-24.215699671464	VS	70	1	-46.756368529033	-24.166118179842	VS	100	1
-46.875340057199	-24.216069616853	VS	70	1	-46.75722250479	-24.166028148282	VS	100	1
-46.875060188803	-24.216268103265	VS	70	1	-46.756904669375	-24.16586105988	VS	100	1
-46.874780238953	-24.216466649967	VS	70	1	-46.906825202776	-24.222687476383	VS	100	1
-46.874510162745	-24.216665076265	VS	70	1	-46.906555858445	-24.222884802364	VS	100	1
-46.874229378507	-24.216864140099	VS	70	1	-46.755980194328	-24.165368137362	VS	100	1
-46.861527313829	-24.199183860484	VS	70	1	-46.755721555159	-24.165227191935	VS	100	1
-46.860919083901	-24.199628812054	VS	70	1	-46.755860503853	-24.166422367044	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.854345496409	-24.159829493251	VS	70	1	-46.851326323251	-24.215170887596	VS	70	1
-46.876181327051	-24.201446087329	VS	250	1	-46.850950095611	-24.215450447941	VS	70	1
-46.875910414139	-24.201654559604	VS	250	1	-46.850823975401	-24.215437971943	VS	70	1
-46.875609167088	-24.201854716147	VS	250	1	-46.850299669977	-24.215899043207	VS	70	1
-46.875307891257	-24.20205055234	VS	250	1	-46.849714086909	-24.216232185394	VS	70	1
-46.875051089217	-24.202249956215	VS	250	1	-46.84962723506	-24.216379835346	VS	70	1
-46.87476877526	-24.202439047146	VS	250	1	-46.849052414949	-24.216800752654	VS	70	1
-46.874493585358	-24.20264588564	VS	250	1	-46.848487925817	-24.217191925487	VS	70	1
-46.874197279044	-24.202849986816	VS	250	1	-46.847906905944	-24.217607961858	VS	70	1
-46.873903073157	-24.203061781182	VS	250	1	-46.847638344524	-24.217796395759	VS	70	1
-46.873622981418	-24.203271171704	VS	250	1	-46.847368170285	-24.217994811053	VS	70	1
-46.873333274931	-24.203468669583	VS	150	1	-46.847226380354	-24.217994959258	VS	70	1
-46.873034369896	-24.203679775432	VS	150	1	-46.908893772597	-24.245607152382	VS	100	1
-46.872762182669	-24.203874726878	VS	150	1	-46.908858195319	-24.245843476332	VS	100	1
-46.825490197156	-24.202347493369	VS	70	1	-46.910894421176	-24.244213782144	VS	100	1
-46.825310548157	-24.201319756067	VS	70	1	-46.910518473873	-24.244040695105	VS	100	1
-46.825329606298	-24.20261660531	VS	70	1	-46.910260530727	-24.243882695088	VS	100	1
-46.825182918827	-24.200844020001	VS	70	1	-46.910030489169	-24.243755931199	VS	100	1
-46.825196685957	-24.202302120028	VS	70	1	-46.909861029824	-24.243889981895	VS	100	1
-46.825116983391	-24.200503793269	VS	100	1	-46.909702483871	-24.243574854955	VS	100	1
-46.825149990698	-24.202909619247	VS	70	1	-46.909552118658	-24.244106621042	VS	100	1
-46.825085911329	-24.203277734249	VS	70	1	-46.909353463613	-24.243418386728	VS	100	1
-46.825002560348	-24.20117043609	VS	70	1	-46.909104827543	-24.243285819129	VS	100	1
-46.82498399889	-24.20073848217	VS	70	1	-46.911179014243	-24.241702717588	VS	70	1
-46.825025182032	-24.203128925541	VS	70	1	-46.911172386627	-24.241487058896	VS	70	1
-46.8248635878	-24.201351819897	VS	70	1	-46.75589447822	-24.16668722543	VS	100	1
-46.872462237868	-24.204072296608	VS	150	1	-46.756223716191	-24.1668809141	VS	100	1
-46.872172607491	-24.204282561145	VS	150	1	-46.756584690001	-24.16706999619	VS	100	1
-46.871861971939	-24.204500649168	VS	150	1	-46.755667946636	-24.166734787584	VS	100	1
-46.87158874323	-24.204694866563	VS	150	1	-46.755474893745	-24.167029505505	VS	100	1
-46.871293821457	-24.204885933844	VS	150	1	-46.755304539264	-24.167298404354	VS	100	1
-46.87098796782	-24.205092220874	VS	150	1	-46.755443469581	-24.167593514795	VS	100	1
-46.870701934171	-24.205308773968	VS	150	1	-46.755781885936	-24.167778625266	VS	100	1
-46.870418715004	-24.205507234825	VS	150	1	-46.755076129819	-24.16739135132	VS	100	1
-46.870123683118	-24.205701298887	VS	150	1	-46.754972753029	-24.167800523182	VS	100	1
-46.869847303027	-24.205896445834	VS	150	1	-46.754230516051	-24.167471622586	VS	100	1
-46.869558899497	-24.206098595959	VS	150	1	-46.755124744491	-24.167585287135	VS	100	1
-46.869280704647	-24.206294179278	VS	150	1	-46.846896088542	-24.217756258195	VS	70	1
-46.824868631141	-24.202135100251	VS	70	1	-46.844398603215	-24.215921274341	VS	70	1
-46.824780341844	-24.201056522694	VS	70	1	-46.844109970658	-24.215762905027	VS	70	1
-46.824640238857	-24.200564278264	VS	70	1	-46.843831307104	-24.215604546281	VS	70	1
-46.824746499292	-24.203106245822	VS	70	1	-46.849534064547	-24.216448943778	VS	70	1
-46.824702786845	-24.201612017571	VS	70	1	-46.843080967097	-24.215036336959	VS	70	1
-46.824688295837	-24.203709957508	VS	70	1	-46.910878272332	-24.241925513107	VS	70	1
-46.824620197215	-24.202012090953	VS	70	1	-46.910396240137	-24.243490985941	VS	150	1
-46.824570770144	-24.200203145465	VS	70	1	-46.910187996597	-24.243568252024	VS	70	1
-46.824551712081	-24.201863015164	VS	70	1	-46.909868351295	-24.243415388929	VS	70	1
-46.824525321218	-24.200924262538	VS	70	1	-46.903370320757	-24.239018526753	VS	100	1
-46.824448419182	-24.202964382092	VS	70	1	-46.902664946092	-24.238898213868	VS	100	1
-46.824410479785	-24.202113904067	VS	70	1	-46.902434145777	-24.238901105461	VS	100	1
-46.82432983216	-24.201838414114	VS	70	1	-46.901370863692	-24.239012490263	VS	100	1
-46.86900721759	-24.206495552145	VS	150	1	-46.90106251429	-24.238863197556	VS	100	1
-46.868727443626	-24.206690667595	VS	150	1	-46.753846311254	-24.167822465991	VS	100	1
-46.868447116391	-24.20688371167	VS	150	1	-46.753558209854	-24.167672941594	VS	100	1
-46.867868018873	-24.207295624649	VS	150	1	-46.754064732675	-24.167296353935	VS	100	1
-46.86759795801	-24.207484834342	VS	150	1	-46.754235295411	-24.167036369901	VS	100	1
-46.867311284772	-24.207684023958	VS	150	1	-46.754414730419	-24.166740796337	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867038061624	-24.207881910431	VS	150	1	-46.754575482241	-24.166480889787	VS	100	1
-46.866764213948	-24.208073846583	VS	150	1	-46.754746042672	-24.166220904865	VS	100	1
-46.868157619775	-24.207089742036	VS	150	1	-46.755067450183	-24.165701214041	VS	100	1
-46.875056737462	-24.206488312235	VS	100	1	-46.754871024269	-24.166019764366	VS	100	1
-46.876507786467	-24.206977968523	VS	100	1	-46.755256205692	-24.165408919076	VS	100	1
-46.876601384996	-24.205405210116	VS	100	1	-46.75534487372	-24.165269901346	VS	100	1
-46.873009762303	-24.207914507841	VS	100	1	-46.851689334921	-24.212835219067	VS	70	1
-46.824247002681	-24.200783635678	VS	70	1	-46.851385454311	-24.213050422705	VS	70	1
-46.824148947744	-24.200316555043	VS	70	1	-46.851088411441	-24.2132660376	VS	70	1
-46.824008394123	-24.200660552838	VS	70	1	-46.850868425512	-24.213222139656	VS	70	1
-46.823991169031	-24.20075885956	VS	70	1	-46.850814321309	-24.213453813909	VS	70	1
-46.823860751056	-24.200175963016	VS	70	1	-46.85062864411	-24.212945713697	VS	70	1
-46.823671609952	-24.200953956325	VS	70	1	-46.850357226383	-24.212634802594	VS	70	1
-46.82376696429	-24.2014781336	VS	70	1	-46.900267263599	-24.239247686256	VS	100	1
-46.823640645476	-24.200475996006	VS	70	1	-46.902837775912	-24.23933509454	VS	100	1
-46.823612312056	-24.200052952425	VS	70	1	-46.902666211455	-24.239149098966	VS	100	1
-46.823575076273	-24.201256543379	VS	70	1	-46.902626056647	-24.239645931041	VS	100	1
-46.823536402039	-24.201053378227	VS	70	1	-46.902433386173	-24.239060597708	VS	100	1
-46.823492575798	-24.203733594865	VS	70	1	-46.9023609911	-24.239511017264	VS	100	1
-46.880832229349	-24.208223620251	VS	100	1	-46.902221276702	-24.239222955702	VS	100	1
-46.880494047502	-24.208449419817	VS	100	1	-46.901957810526	-24.239319928319	VS	100	1
-46.876715877515	-24.209276893602	VS	100	1	-46.901649183127	-24.239152893517	VS	100	1
-46.875653475788	-24.210008204381	VS	100	1	-46.901256944701	-24.240552841704	VS	100	1
-46.875391755731	-24.210207753202	VS	100	1	-46.90103472505	-24.240304787113	VS	100	1
-46.875665887632	-24.211816693437	VS	100	1	-46.900792246387	-24.240030172822	VS	100	1
-46.876466809969	-24.211324000546	VS	100	1	-46.754968373067	-24.16616072238	VS	100	1
-46.87665859889	-24.211536624037	VS	100	1	-46.755290378996	-24.166337108715	VS	100	1
-46.87690116998	-24.211820158976	VS	100	1	-46.755569266338	-24.166498102051	VS	100	1
-46.823389790491	-24.201013991693	VS	70	1	-46.754725280701	-24.1660221019	VS	100	1
-46.823253053425	-24.200282661884	VS	70	1	-46.754411462864	-24.165852506135	VS	100	1
-46.823255932949	-24.201243091803	VS	70	1	-46.754103249	-24.165685220784	VS	100	1
-46.823192105014	-24.202335172057	VS	70	1	-46.755002995549	-24.164816572718	VS	100	1
-46.82309014779	-24.200872614997	VS	70	1	-46.75468013147	-24.164646635434	VS	100	1
-46.823053404424	-24.201387277415	VS	70	1	-46.753879335031	-24.164208971219	VS	100	1
-46.82297943907	-24.201136638434	VS	70	1	-46.754322804254	-24.164789476404	VS	100	1
-46.822901754274	-24.200106768763	VS	70	1	-46.754162054656	-24.165049382951	VS	100	1
-46.823093857372	-24.203519180879	VS	70	1	-46.851660141916	-24.213058160485	VS	70	1
-46.82284149843	-24.200740680456	VS	70	1	-46.851517724977	-24.213750634718	VS	70	1
-46.822802503307	-24.20156760484	VS	70	1	-46.85038452784	-24.212451742898	VS	70	1
-46.82270275682	-24.200997126705	VS	70	1	-46.851807811805	-24.213542790592	VS	70	1
-46.822763326691	-24.203335877704	VS	70	1	-46.900560427516	-24.239791118765	VS	100	1
-46.780037680421	-24.155127499853	VS	70	1	-46.900337995058	-24.23953414929	VS	100	1
-46.780220918031	-24.155616089309	VS	70	1	-46.900055151789	-24.239410031797	VS	100	1
-46.780408726816	-24.156180492277	VS	70	1	-46.899906820585	-24.241673925244	VS	100	1
-46.780633057596	-24.156775117872	VS	70	1	-46.899813796413	-24.239581533094	VS	100	1
-46.87542491451	-24.211987952085	VS	100	1	-46.899770501371	-24.241018608839	VS	100	1
-46.87378021276	-24.211317106214	VS	100	1	-46.899675001088	-24.241434869693	VS	100	1
-46.873548935722	-24.209575966428	VS	100	1	-46.753972709639	-24.165345184963	VS	100	1
-46.87408983766	-24.209205786458	VS	100	1	-46.753802098065	-24.165605230663	VS	100	1
-46.87080653961	-24.21148963924	VS	100	1	-46.753794945567	-24.165509097199	VS	100	1
-46.87054578698	-24.211670180217	VS	100	1	-46.753474626011	-24.166492888179	VS	100	1
-46.870256310409	-24.211868604466	VS	100	1	-46.75381291447	-24.16668671686	VS	100	1
-46.869985742309	-24.212049229369	VS	100	1	-46.753253703784	-24.166492451306	VS	100	1
-46.86971539683	-24.212238767925	VS	100	1	-46.753102347527	-24.166734442972	VS	100	1
-46.869888087595	-24.211093663504	VS	100	1	-46.752960172819	-24.166949616986	VS	100	1
-46.870100364818	-24.211341807073	VS	100	1	-46.752789608168	-24.167209590239	VS	100	1
-46.870312865364	-24.211598891723	VS	100	1	-46.752712001706	-24.167179260952	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.822603042673	-24.200618690685	VS	70	1	-46.753205771121	-24.166342971665	VS	100	1
-46.822581845466	-24.200925365452	VS	70	1	-46.849096605785	-24.212806577232	VS	100	1
-46.822431813266	-24.203155909889	VS	70	1	-46.851437267029	-24.212814493044	VS	70	1
-46.822324778837	-24.200477088354	VS	70	1	-46.85119815275	-24.2125405115	VS	70	1
-46.822430918414	-24.20084565709	VS	70	1	-46.844444490594	-24.212644750846	VS	70	1
-46.822090326348	-24.202971943871	VS	70	1	-46.84359753401	-24.212529194815	VS	70	1
-46.781056401677	-24.158082954391	VS	70	1	-46.899582256237	-24.239752965215	VS	100	1
-46.781289815068	-24.158733476291	VS	70	1	-46.899567771836	-24.24116302908	VS	100	1
-46.883123432578	-24.23528093089	VS	100	1	-46.899530774086	-24.24036518119	VS	100	1
-46.818244330762	-24.191455570804	VS	100	1	-46.899442565031	-24.241169099141	VS	100	1
-46.820815866892	-24.193035515452	VS	100	1	-46.899349163052	-24.240170336309	VS	100	1
-46.820405002109	-24.193017818545	VS	100	1	-46.899297873394	-24.241370438183	VS	100	1
-46.822422863001	-24.191328593391	VS	100	1	-46.899251136704	-24.24097434072	VS	100	1
-46.822215180245	-24.191526725166	VS	100	1	-46.899109603029	-24.240104811793	VS	100	1
-46.821994104073	-24.191724732234	VS	100	1	-46.899123590504	-24.241787159743	VS	100	1
-46.82175426438	-24.191958558176	VS	100	1	-46.8990594841	-24.240770658668	VS	100	1
-46.821706536633	-24.191686866136	VS	100	1	-46.899037095296	-24.241551025134	VS	100	1
-46.821523774638	-24.192174509212	VS	100	1	-46.898858643737	-24.240285321093	VS	100	1
-46.873294383564	-24.23426082261	VS	100	1	-46.752838182273	-24.166149442441	VS	100	1
-46.872974968035	-24.233854786765	VS	100	1	-46.752539837332	-24.165982113794	VS	100	1
-46.872790207502	-24.231509358977	VS	100	1	-46.752193521338	-24.166203772141	VS	100	1
-46.872723727376	-24.23321423764	VS	100	1	-46.752524922197	-24.165683780653	VS	100	1
-46.872512266608	-24.231947958958	VS	100	1	-46.752727287791	-24.165367905952	VS	100	1
-46.87241361078	-24.23178013535	VS	100	1	-46.752352019535	-24.165253209577	VS	100	1
-46.872153295923	-24.231960361975	VS	100	1	-46.75202230219	-24.16506600938	VS	100	1
-46.871902109928	-24.23213190984	VS	100	1	-46.753011229533	-24.165067468835	VS	100	1
-46.871362526808	-24.23177058077	VS	100	1	-46.75341596527	-24.165168578638	VS	100	1
-46.871101912961	-24.232564983489	VS	70	1	-46.753287723556	-24.16522726306	VS	100	1
-46.870923707282	-24.232425058237	VS	100	1	-46.753577343226	-24.164935430582	VS	100	1
-46.874231596074	-24.232989930729	VS	100	1	-46.75352640027	-24.165359370378	VS	100	1
-46.822921750221	-24.202336592309	VS	250	1	-46.753055105711	-24.164859226478	VS	100	1
-46.822668010631	-24.202511359585	VS	250	1	-46.842525661404	-24.213996574741	VS	70	1
-46.822474806091	-24.202640842628	VS	150	1	-46.841821516183	-24.212937774311	VS	70	1
-46.821420476631	-24.19164437963	VS	100	1	-46.844323496943	-24.212505480123	VS	70	1
-46.82128389543	-24.192399254005	VS	100	1	-46.844168600443	-24.212845358127	VS	70	1
-46.82108560216	-24.191602328035	VS	70	1	-46.843964144607	-24.21297714036	VS	70	1
-46.821043623014	-24.192615241989	VS	100	1	-46.843859929792	-24.212821611915	VS	70	1
-46.82094505125	-24.192214991507	VS	100	1	-46.84328679066	-24.213084688858	VS	70	1
-46.820798981739	-24.19267328424	VS	100	1	-46.89885174099	-24.24053922187	VS	100	1
-46.820782981258	-24.192366147117	VS	100	1	-46.898881310066	-24.241521447256	VS	100	1
-46.820777778622	-24.192042275351	VS	100	1	-46.898822890128	-24.242342831047	VS	100	1
-46.820766427913	-24.191568911543	VS	100	1	-46.898699483783	-24.241317678336	VS	100	1
-46.820767526255	-24.191724350682	VS	100	1	-46.898635014019	-24.240292069902	VS	100	1
-46.820763112921	-24.193057544042	VS	100	1	-46.898588391279	-24.240483883215	VS	100	1
-46.874167175883	-24.232214818533	VS	100	1	-46.898600898019	-24.242103696605	VS	100	1
-46.874123002871	-24.233800937301	VS	100	1	-46.898564108313	-24.24189400581	VS	100	1
-46.874024946241	-24.232981984808	VS	100	1	-46.898507559831	-24.241105007794	VS	100	1
-46.873781581253	-24.232488681153	VS	100	1	-46.898442933394	-24.240070540937	VS	100	1
-46.873733090601	-24.231684689294	VS	100	1	-46.898368640871	-24.241846792637	VS	100	1
-46.87377534768	-24.234044632755	VS	100	1	-46.753471583598	-24.164204893857	VS	100	1
-46.873711096102	-24.232768385235	VS	100	1	-46.752723714513	-24.164912911294	VS	100	1
-46.873631862101	-24.232591279723	VS	100	1	-46.752769746375	-24.164693595053	VS	100	1
-46.780740520362	-24.173914978289	VS	70	1	-46.75293070351	-24.164442612363	VS	100	1
-46.822272073254	-24.202785165488	VS	150	1	-46.752423072477	-24.164748268392	VS	100	1
-46.822088906834	-24.202911254151	VS	150	1	-46.759449184157	-24.167207610834	VS	100	1
-46.82777301001	-24.200509869489	VS	100	1	-46.759220588766	-24.167084411482	VS	100	1
-46.827701671752	-24.201056602983	VS	100	1	-46.759001951773	-24.166970008905	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.827612560646	-24.200778790188	VS	100	1	-46.758773038999	-24.166846628833	VS	100	1
-46.827442288589	-24.201047774779	VS	100	1	-46.758474831062	-24.166688194994	VS	100	1
-46.827373586553	-24.200889578776	VS	100	1	-46.758176768207	-24.166529854844	VS	100	1
-46.873631870232	-24.233403395198	VS	100	1	-46.843064525054	-24.212827656455	VS	70	1
-46.873451151286	-24.232583027588	VS	100	1	-46.842852638829	-24.212588552229	VS	70	1
-46.873456721062	-24.23427024427	VS	100	1	-46.842523171543	-24.212589786609	VS	70	1
-46.873352264386	-24.231929972191	VS	100	1	-46.842284296548	-24.214167989945	VS	70	1
-46.873371024604	-24.232771845894	VS	100	1	-46.842251857085	-24.212781715411	VS	70	1
-46.87331302179	-24.233620092348	VS	100	1	-46.84204677783	-24.214413397305	VS	70	1
-46.872919256869	-24.231429326866	VS	100	1	-46.842044737312	-24.214331321491	VS	70	1
-46.873121808431	-24.232359340727	VS	100	1	-46.841953176673	-24.212995606989	VS	70	1
-46.873052177557	-24.232988542662	VS	100	1	-46.841762491689	-24.214200469047	VS	70	1
-46.873012043133	-24.232159478021	VS	100	1	-46.841682629868	-24.213190783354	VS	70	1
-46.827300611331	-24.201280857213	VS	100	1	-46.898337430554	-24.240664391447	VS	100	1
-46.827143980833	-24.201548655769	VS	100	1	-46.898372450256	-24.242792905106	VS	100	1
-46.827065386255	-24.200731340148	VS	100	1	-46.8983253871	-24.24089215852	VS	100	1
-46.826757464403	-24.200582070566	VS	100	1	-46.898332662336	-24.242065374791	VS	100	1
-46.826636674516	-24.200365752332	VS	70	1	-46.89823098628	-24.239840252343	VS	100	1
-46.826466683268	-24.200643570082	VS	100	1	-46.898176558847	-24.241625263117	VS	100	1
-46.826449399263	-24.200432697325	VS	100	1	-46.898123584075	-24.240670844517	VS	100	1
-46.826315833266	-24.200903492993	VS	100	1	-46.898150231906	-24.242553475375	VS	100	1
-46.826202750422	-24.201100663494	VS	100	1	-46.898019039914	-24.239609963549	VS	100	1
-46.873064154362	-24.234084187426	VS	100	1	-46.898062660103	-24.242272832553	VS	100	1
-46.872861634084	-24.232177185841	VS	100	1	-46.897921247807	-24.240431554913	VS	100	1
-46.872803810095	-24.233881019305	VS	100	1	-46.897918498737	-24.242288533084	VS	100	1
-46.872751846047	-24.232366496556	VS	100	1	-46.765097375283	-24.167808581552	VS	100	1
-46.872599133043	-24.230930971089	VS	100	1	-46.757838883884	-24.166353870219	VS	100	1
-46.872493506794	-24.233642556183	VS	100	1	-46.758779910918	-24.167039248032	VS	100	1
-46.87238682886	-24.230358462256	VS	100	1	-46.754701625842	-24.16770393535	VS	100	1
-46.872423407332	-24.232592182299	VS	100	1	-46.761911694239	-24.168085250375	VS	100	1
-46.872414703697	-24.233430847985	VS	100	1	-46.761627572665	-24.167946354169	VS	100	1
-46.872242305835	-24.231753780021	VS	100	1	-46.761315302164	-24.167768429824	VS	100	1
-46.872202854958	-24.231192872401	VS	100	1	-46.761057188842	-24.167645402889	VS	100	1
-46.872265867552	-24.233453692019	VS	100	1	-46.760798212361	-24.167486694997	VS	100	1
-46.872145108661	-24.230521080314	VS	100	1	-46.760577268602	-24.167376602789	VS	100	1
-46.87215279302	-24.232772805216	VS	100	1	-46.76184612082	-24.16531689875	VS	100	1
-46.871982626558	-24.231577380759	VS	100	1	-46.841492437401	-24.213997342464	VS	70	1
-46.871922641696	-24.231382494298	VS	100	1	-46.841365835534	-24.213409930479	VS	70	1
-46.871923066648	-24.233209846025	VS	100	1	-46.841292965642	-24.21317514932	VS	70	1
-46.871834551591	-24.233007223803	VS	100	1	-46.841247326387	-24.213831350042	VS	70	1
-46.871762265389	-24.231327096065	VS	100	1	-46.841068184001	-24.212939089284	VS	70	1
-46.870783347008	-24.232185637665	VS	100	1	-46.841073761114	-24.213621322871	VS	70	1
-46.871652353239	-24.231571970446	VS	100	1	-46.840944641649	-24.213604456175	VS	70	1
-46.871682421453	-24.232997825425	VS	100	1	-46.840849088043	-24.212687830015	VS	70	1
-46.871593037754	-24.232348553396	VS	100	1	-46.840664133155	-24.213409697927	VS	70	1
-46.871530366964	-24.230189755234	VS	100	1	-46.840572412462	-24.212623451016	VS	70	1
-46.871381863523	-24.232767974369	VS	100	1	-46.840386397548	-24.212756102159	VS	70	1
-46.871284340597	-24.232583076843	VS	100	1	-46.840363342776	-24.213194143147	VS	70	1
-46.871231164916	-24.230406287953	VS	100	1	-46.840149424245	-24.212913100015	VS	70	1
-46.871013894004	-24.230735442445	VS	100	1	-46.897819088925	-24.239369629352	VS	100	1
-46.870979981611	-24.230577825551	VS	100	1	-46.897835742215	-24.241034312073	VS	100	1
-46.870744657806	-24.23058563254	VS	100	1	-46.897839034039	-24.24122545301	VS	100	1
-46.825392778229	-24.20343745539	VS	70	1	-46.89783017363	-24.243118305151	VS	100	1
-46.826107390753	-24.201309869767	VS	70	1	-46.897801552938	-24.242444571856	VS	100	1
-46.836057449962	-24.208649904878	VS	100	1	-46.897719117385	-24.240201188058	VS	100	1
-46.83522831244	-24.209324640895	VS	250	1	-46.89773599972	-24.24208399652	VS	100	1
-46.870719318334	-24.230767345188	VS	100	1	-46.897584472458	-24.239113806234	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.870636175326	-24.232157321493	VS	100	1	-46.897611188966	-24.2410051754	VS	100	1
-46.870458308711	-24.230938957391	VS	100	1	-46.897617998831	-24.242879091789	VS	100	1
-46.870429421752	-24.230411328083	VS	100	1	-46.897574953382	-24.241214896064	VS	100	1
-46.876143429924	-24.231670041366	VS	100	1	-46.897527038648	-24.23997965816	VS	100	1
-46.876041159173	-24.232464127268	VS	100	1	-46.802486626579	-24.194140288284	VS	100	1
-46.875573115219	-24.231246346347	VS	100	1	-46.760492639041	-24.166512845859	VS	100	1
-46.875511841849	-24.232093785292	VS	100	1	-46.760273973244	-24.166707046787	VS	100	1
-46.875127512557	-24.233105876855	VS	100	1	-46.759871038424	-24.166979131058	VS	100	1
-46.874499899707	-24.233548080674	VS	100	1	-46.760062273192	-24.167031959478	VS	100	1
-46.898472795993	-24.232575651654	VS	100	1	-46.760370733017	-24.167257832836	VS	100	1
-46.834398164949	-24.208464892816	VS	100	1	-46.760092571612	-24.167117107651	VS	100	1
-46.833234478049	-24.208407045962	VS	100	1	-46.759604723365	-24.166835011578	VS	100	1
-46.831347882627	-24.207481322679	VS	100	1	-46.760658769507	-24.166059958902	VS	100	1
-46.832444005987	-24.207458269445	VS	100	1	-46.760436829459	-24.166222171978	VS	100	1
-46.836671065483	-24.206996288224	VS	100	1	-46.760900327429	-24.165897597416	VS	100	1
-46.836347831845	-24.207458594455	VS	100	1	-46.839996185336	-24.212944160743	VS	70	1
-46.836593420062	-24.207535355351	VS	70	1	-46.839797646401	-24.21279962769	VS	70	1
-46.836149975907	-24.207636556164	VS	100	1	-46.897540760862	-24.242625155371	VS	100	1
-46.83591030796	-24.207547343112	VS	100	1	-46.897346576202	-24.23885389093	VS	100	1
-46.836139088792	-24.207796176978	VS	100	1	-46.897308467279	-24.239728505595	VS	100	1
-46.83600191225	-24.208032493163	VS	100	1	-46.897203739941	-24.242409565774	VS	100	1
-46.835844253804	-24.208269862204	VS	100	1	-46.89708263687	-24.239483567551	VS	100	1
-46.835629061885	-24.20834554735	VS	100	1	-46.897011874354	-24.242196958128	VS	100	1
-46.835636001092	-24.208592896129	VS	250	1	-46.896890550427	-24.239262036857	VS	100	1
-46.836051241719	-24.208525943588	VS	100	1	-46.896880394016	-24.241729126443	VS	100	1
-46.835853668622	-24.208683067157	VS	100	1	-46.896840091569	-24.242002033183	VS	100	1
-46.835506024178	-24.208864364288	VS	250	1	-46.89666835168	-24.239013986538	VS	100	1
-46.835354958042	-24.209115374184	VS	250	1	-46.761212706652	-24.165820718217	VS	100	1
-46.835159080658	-24.209152727991	VS	250	1	-46.760928347574	-24.165676396354	VS	100	1
-46.877229782134	-24.231855284623	VS	100	1	-46.760626114079	-24.165521406813	VS	100	1
-46.877030739144	-24.231805731222	VS	100	1	-46.760384250921	-24.165414654028	VS	100	1
-46.876956621843	-24.231851444254	VS	100	1	-46.760362155682	-24.165553554565	VS	100	1
-46.876966313025	-24.231686688744	VS	100	1	-46.760050777799	-24.165240446996	VS	100	1
-46.87664434584	-24.23147621092	VS	100	1	-46.759804418682	-24.165209632424	VS	100	1
-46.835624871935	-24.207452052819	VS	100	1	-46.759792358859	-24.165108430581	VS	100	1
-46.835327088458	-24.207355891943	VS	100	1	-46.759553464029	-24.165389905816	VS	100	1
-46.835022690205	-24.209652217632	VS	250	1	-46.75927326795	-24.165579308458	VS	100	1
-46.834273894086	-24.209672847367	VS	100	1	-46.760081969677	-24.165742968093	VS	100	1
-46.83417100093	-24.20962087287	VS	100	1	-46.7598211953	-24.165923311002	VS	100	1
-46.834773800733	-24.209057559343	VS	250	1	-46.759599410165	-24.166033597497	VS	100	1
-46.834457456104	-24.208974340061	VS	250	1	-46.897632469048	-24.238274460526	VS	100	1
-46.835188213673	-24.208278440151	VS	100	1	-46.898541620578	-24.239284651575	VS	100	1
-46.834851810895	-24.208173962538	VS	100	1	-46.89785467837	-24.238522518801	VS	100	1
-46.834727232602	-24.207924545896	VS	100	1	-46.898077094265	-24.23877948177	VS	100	1
-46.834878077427	-24.207664613597	VS	100	1	-46.898273100708	-24.238984021507	VS	100	1
-46.835029142247	-24.207413604035	VS	100	1	-46.898753567556	-24.239514939698	VS	100	1
-46.835189366864	-24.207135760703	VS	100	1	-46.898955474319	-24.239736381829	VS	100	1
-46.876682931244	-24.232040477139	VS	100	1	-46.899147125153	-24.239940072812	VS	100	1
-46.876595213528	-24.231497527046	VS	100	1	-46.900311079956	-24.240630480189	VS	70	1
-46.876433240285	-24.231471420603	VS	100	1	-46.900571639079	-24.240440976336	VS	70	1
-46.876320265252	-24.231245334149	VS	100	1	-46.900822596734	-24.24026046392	VS	70	1
-46.876373692542	-24.232248182582	VS	100	1	-46.897270712135	-24.242823575595	VS	100	1
-46.87624308216	-24.231217254493	VS	100	1	-46.897368591802	-24.243514931039	VS	100	1
-46.876070513764	-24.231102977262	VS	100	1	-46.759302954112	-24.165868560694	VS	100	1
-46.875988001155	-24.230145611914	VS	100	1	-46.75906047462	-24.165729675298	VS	100	1
-46.877436186484	-24.231516952753	VS	100	1	-46.758723169335	-24.165553429387	VS	100	1
-46.835349811706	-24.206866831072	VS	100	1	-46.758385923445	-24.165366807589	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.835482101984	-24.206651659685	VS	100	1	-46.758794047377	-24.165836418201	VS	100	1
-46.835577746358	-24.20645154237	VS	100	1	-46.75860133845	-24.166147721227	VS	100	1
-46.834566513073	-24.208184613222	VS	100	1	-46.759738682646	-24.166346871806	VS	100	1
-46.834547565327	-24.208052828727	VS	100	1	-46.759606328323	-24.166561966224	VS	100	1
-46.834255310501	-24.208713340396	VS	100	1	-46.759931308319	-24.166206734046	VS	100	1
-46.834094577549	-24.208973451708	VS	100	1	-46.760194338846	-24.166345559416	VS	100	1
-46.834086883984	-24.208877652223	VS	100	1	-46.759276721968	-24.166659007589	VS	100	1
-46.833962502667	-24.209197544161	VS	100	1	-46.75903473988	-24.166527916267	VS	100	1
-46.833849642165	-24.20940363477	VS	100	1	-46.75879405605	-24.166396211654	VS	100	1
-46.83536898519	-24.206346080493	VS	100	1	-46.868296853274	-24.183319311181	VS	70	1
-46.875843945383	-24.2310746395	VS	100	1	-46.868491307892	-24.183742084421	VS	70	1
-46.87584015351	-24.231895002626	VS	100	1	-46.869136009002	-24.184312009272	VS	70	1
-46.875823248847	-24.232636314637	VS	100	1	-46.897042885849	-24.242991135806	VS	100	1
-46.875829954978	-24.230975890825	VS	100	1	-46.896856288138	-24.243722613756	VS	100	1
-46.875630544774	-24.230389389801	VS	100	1	-46.896849208415	-24.243141016778	VS	100	1
-46.875470292603	-24.230389828416	VS	100	1	-46.788526559509	-24.178030057139	VS	100	1
-46.875403724402	-24.230706147573	VS	100	1	-46.758095234614	-24.166025526008	VS	100	1
-46.875418754319	-24.232911499074	VS	100	1	-46.757944652372	-24.165946033042	VS	100	1
-46.875283304347	-24.231444965359	VS	100	1	-46.757666291153	-24.165796382059	VS	100	1
-46.875208345501	-24.23232031695	VS	100	1	-46.757989388086	-24.165347890298	VS	100	1
-46.835100674513	-24.206214310469	VS	100	1	-46.757820734602	-24.165361961968	VS	100	1
-46.834832364151	-24.206082549051	VS	100	1	-46.757669171983	-24.165595046228	VS	100	1
-46.834996919519	-24.207205540335	VS	100	1	-46.759061641171	-24.165336855318	VS	100	1
-46.834658802984	-24.207029698257	VS	100	1	-46.758793088502	-24.165187137006	VS	100	1
-46.83432090809	-24.206862778521	VS	100	1	-46.758534561498	-24.165046262321	VS	100	1
-46.83426094063	-24.206660004638	VS	100	1	-46.75827603511	-24.164905387274	VS	100	1
-46.834093182231	-24.206907743065	VS	100	1	-46.757701575695	-24.165198517142	VS	100	1
-46.834024007256	-24.206717555837	VS	100	1	-46.75741339754	-24.165048934978	VS	100	1
-46.833874898401	-24.207119781831	VS	100	1	-46.757154958966	-24.164908123705	VS	100	1
-46.833659416798	-24.207330571603	VS	100	1	-46.757378545249	-24.165647064168	VS	100	1
-46.833417629118	-24.206412500907	VS	100	1	-46.757060431107	-24.165479806126	VS	100	1
-46.834294317152	-24.207922722799	VS	100	1	-46.756732585946	-24.165312663993	VS	100	1
-46.875101379677	-24.230160834448	VS	100	1	-46.757977571489	-24.164746810648	VS	100	1
-46.874969322019	-24.231659193196	VS	100	1	-46.75766956004	-24.164588454342	VS	100	1
-46.874874633235	-24.2335568111	VS	100	1	-46.757371564461	-24.164438941319	VS	100	1
-46.874869886133	-24.232551948804	VS	100	1	-46.758313738836	-24.16461765175	VS	100	1
-46.874731896078	-24.233379776341	VS	100	1	-46.758231288882	-24.164254426766	VS	100	1
-46.874629754153	-24.231890794572	VS	100	1	-46.757893409964	-24.164078443046	VS	100	1
-46.874589772675	-24.233359165587	VS	100	1	-46.757584779591	-24.163910927755	VS	100	1
-46.833999106606	-24.207769900458	VS	100	1	-46.757319520583	-24.163945955277	VS	100	1
-46.833610845363	-24.207575975513	VS	100	1	-46.757274093058	-24.164259475929	VS	100	1
-46.833826434994	-24.207687586584	VS	100	1	-46.835480085948	-24.159052463037	VS	70	1
-46.833288694385	-24.207416436204	VS	100	1	-46.835442772775	-24.159195926423	VS	70	1
-46.832851827079	-24.207194986039	VS	100	1	-46.757109388018	-24.164520330961	VS	100	1
-46.833467255006	-24.207596195667	VS	100	1	-46.757063458261	-24.164280527207	VS	100	1
-46.83335567961	-24.207855822728	VS	100	1	-46.756755233676	-24.164113246985	VS	100	1
-46.83323060806	-24.208148908257	VS	100	1	-46.756485655037	-24.163970943381	VS	100	1
-46.833124966452	-24.208417668634	VS	100	1	-46.756797327428	-24.164732200175	VS	100	1
-46.83352210206	-24.208563421708	VS	100	1	-46.756489112105	-24.164564919591	VS	100	1
-46.833808325393	-24.208728116534	VS	100	1	-46.756807831138	-24.164992536827	VS	100	1
-46.833524661942	-24.209277999613	VS	100	1	-46.756414193405	-24.165145261781	VS	100	1
-46.874559196958	-24.232762432832	VS	100	1	-46.756086221421	-24.16496924362	VS	100	1
-46.874235238687	-24.232166021315	VS	100	1	-46.755778995255	-24.16452935981	VS	100	1
-46.874340125432	-24.233191607625	VS	100	1	-46.755959153062	-24.164260390511	VS	100	1
-46.880428482286	-24.233721541092	VS	100	1	-46.756129810171	-24.1640002618	VS	100	1
-46.878074099671	-24.234865563401	VS	100	1	-46.835240358399	-24.159286314239	VS	70	1
-46.877845527417	-24.234370925394	VS	100	1	-46.835083364627	-24.159438333932	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.881608901767	-24.234660285526	VS	100	1	-46.834799011296	-24.159709147243	VS	70	1
-46.832977097142	-24.208987482238	VS	100	1	-46.834569070659	-24.159942931162	VS	70	1
-46.832935362285	-24.208899820172	VS	100	1	-46.834317258713	-24.160178117998	VS	70	1
-46.833038713593	-24.208658847982	VS	100	1	-46.834079888485	-24.160419731137	VS	70	1
-46.832628696563	-24.208793853387	VS	100	1	-46.833859644201	-24.16064443821	VS	70	1
-46.832401625321	-24.208667437007	VS	100	1	-46.833629488919	-24.160869297499	VS	70	1
-46.832966324098	-24.208258353016	VS	100	1	-46.834793943129	-24.160334007136	VS	70	1
-46.832678462256	-24.208104494344	VS	100	1	-46.834533889983	-24.160119920388	VS	70	1
-46.832415042434	-24.207971356817	VS	100	1	-46.834362244731	-24.160755190749	VS	70	1
-46.832136383738	-24.207812952902	VS	100	1	-46.834271925373	-24.159900876226	VS	70	1
-46.831848026388	-24.207663506178	VS	100	1	-46.834118929962	-24.160554300896	VS	70	1
-46.831215988356	-24.207320601968	VS	100	1	-46.755430009388	-24.164617080783	VS	100	1
-46.8308983268	-24.207154346828	VS	100	1	-46.755112238445	-24.164450009073	VS	100	1
-46.891419616819	-24.229936390939	VS	100	1	-46.754814041032	-24.164291578418	VS	100	1
-46.881498474317	-24.23152190352	VS	100	1	-46.754630018394	-24.164264188558	VS	100	1
-46.881467383655	-24.231767201002	VS	100	1	-46.754515385197	-24.164141672163	VS	100	1
-46.878838906413	-24.228334618035	VS	100	1	-46.754824583829	-24.164018936645	VS	100	1
-46.868656262123	-24.223144235665	VS	70	1	-46.754227374227	-24.163983389285	VS	100	1
-46.881386869709	-24.234813687517	VS	100	1	-46.7606664669	-24.164802259201	VS	100	1
-46.881340831495	-24.235255417719	VS	100	1	-46.760751708111	-24.164578008248	VS	100	1
-46.881145503328	-24.234985165976	VS	100	1	-46.760982825829	-24.16438894905	VS	100	1
-46.880951717161	-24.235120957324	VS	100	1	-46.761253248521	-24.164199577126	VS	100	1
-46.880748748123	-24.233765269964	VS	100	1	-46.761839113136	-24.165409365716	VS	100	1
-46.880715983991	-24.23567731925	VS	100	1	-46.76037792474	-24.16464367474	VS	100	1
-46.830574175535	-24.20698093474	VS	100	1	-46.834011574282	-24.159688755147	VS	70	1
-46.830289816095	-24.206804555833	VS	100	1	-46.833881287422	-24.160348525879	VS	70	1
-46.82996810966	-24.206503415845	VS	100	1	-46.833761043181	-24.159476559724	VS	70	1
-46.829676411837	-24.206263623098	VS	100	1	-46.833591065934	-24.16011878991	VS	70	1
-46.830274324737	-24.207074460057	VS	100	1	-46.833510619352	-24.15927318468	VS	70	1
-46.830140673423	-24.207425514883	VS	100	1	-46.833270120477	-24.159069828379	VS	70	1
-46.830121422526	-24.207323078355	VS	100	1	-46.833120888823	-24.160568543944	VS	70	1
-46.830434549999	-24.207585592599	VS	100	1	-46.833019916286	-24.158857929445	VS	70	1
-46.831507846978	-24.207299191744	VS	100	1	-46.832890418887	-24.16037403558	VS	70	1
-46.83173936417	-24.207037732745	VS	100	1	-46.832629887072	-24.160153017435	VS	70	1
-46.831920356517	-24.206828976055	VS	100	1	-46.760070115758	-24.164494245045	VS	100	1
-46.832718847251	-24.207006575345	VS	100	1	-46.760020643308	-24.164392857924	VS	100	1
-46.832549801387	-24.207042362174	VS	100	1	-46.759704095137	-24.16418030077	VS	100	1
-46.880652983446	-24.235328171773	VS	100	1	-46.759979114596	-24.163983296896	VS	100	1
-46.880543450864	-24.233200757452	VS	100	1	-46.76024958626	-24.16420420818	VS	100	1
-46.880562232739	-24.23396898958	VS	100	1	-46.760471728622	-24.16405091702	VS	100	1
-46.880469309591	-24.235454652052	VS	100	1	-46.759478966172	-24.164179981679	VS	100	1
-46.88039265653	-24.23463846152	VS	100	1	-46.766981399534	-24.169520458203	VS	100	1
-46.880307625347	-24.233337996296	VS	100	1	-46.766776215938	-24.169420242607	VS	100	1
-46.880274243313	-24.234162645533	VS	100	1	-46.753610936663	-24.164059330065	VS	100	1
-46.880189827206	-24.234406992566	VS	100	1	-46.756968646649	-24.16475096629	VS	100	1
-46.880198346851	-24.235635496881	VS	100	1	-46.758257939887	-24.165497609946	VS	100	1
-46.880139329414	-24.233545392122	VS	100	1	-46.771933589647	-24.172124657187	VS	100	1
-46.880146727659	-24.236092502031	VS	100	1	-46.770708242865	-24.172291398487	VS	100	1
-46.879998721859	-24.233554563657	VS	100	1	-46.770448737508	-24.171695504072	VS	100	1
-46.878044794315	-24.237133841102	VS	100	1	-46.769843712949	-24.172265223325	VS	100	1
-46.880012860106	-24.234352649243	VS	100	1	-46.769811504496	-24.172146322791	VS	100	1
-46.832575489067	-24.207235451474	VS	100	1	-46.771885978196	-24.171462010339	VS	100	1
-46.832274228744	-24.207734945763	VS	100	1	-46.771783895044	-24.17122110807	VS	100	1
-46.83209222183	-24.20804782883	VS	100	1	-46.771702046504	-24.172295879516	VS	100	1
-46.831944224366	-24.208272384466	VS	100	1	-46.771586756143	-24.17166932683	VS	100	1
-46.832883661225	-24.206736443234	VS	100	1	-46.802425597412	-24.195088074473	VS	100	1
-46.833055403921	-24.20646150579	VS	100	1	-46.771535875903	-24.171106978448	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.833198718705	-24.206202514053	VS	100	1	-46.771450882823	-24.172467259646	VS	100	1
-46.833350116807	-24.205959107004	VS	100	1	-46.771316277844	-24.171858751622	VS	100	1
-46.833485745039	-24.205721488817	VS	100	1	-46.771221489367	-24.171163384008	VS	100	1
-46.833038911417	-24.206230241842	VS	100	1	-46.771168995344	-24.170940312452	VS	100	1
-46.832422249433	-24.205904867887	VS	100	1	-46.771199955855	-24.172647526262	VS	100	1
-46.833651150768	-24.205495559616	VS	70	1	-46.770997667862	-24.172084154497	VS	100	1
-46.879903169362	-24.235507935576	VS	100	1	-46.770960508547	-24.171334824393	VS	100	1
-46.879909132363	-24.235833761905	VS	100	1	-46.770939394859	-24.172836810848	VS	100	1
-46.879835963073	-24.233352357229	VS	100	1	-46.770851178335	-24.170782076886	VS	100	1
-46.879785921339	-24.233699179123	VS	100	1	-46.77070953293	-24.171515134102	VS	100	1
-46.879680789482	-24.235250942237	VS	100	1	-46.770690659476	-24.17075816196	VS	100	1
-46.879705365846	-24.232972416132	VS	100	1	-46.770689211365	-24.172731923593	VS	100	1
-46.879657765972	-24.236005426242	VS	100	1	-46.770594824845	-24.170828517233	VS	100	1
-46.879560492434	-24.233175189759	VS	100	1	-46.770513774472	-24.170614993191	VS	100	1
-46.879535134425	-24.233879542249	VS	100	1	-46.770450499664	-24.172599848002	VS	100	1
-46.87946822631	-24.234993863223	VS	100	1	-46.770418656606	-24.172498736507	VS	100	1
-46.879458071588	-24.234677606966	VS	100	1	-46.770335696921	-24.171009023633	VS	100	1
-46.879400334417	-24.233193622512	VS	100	1	-46.77013953289	-24.171902990814	VS	100	1
-46.833857228056	-24.205601842642	VS	70	1	-46.770063918991	-24.171189890263	VS	100	1
-46.834085519091	-24.20571032074	VS	70	1	-46.769901565157	-24.170284140879	VS	100	1
-46.833357534091	-24.205346504001	VS	70	1	-46.769833889767	-24.170507344675	VS	100	1
-46.831524697771	-24.206523179436	VS	100	1	-46.769822553493	-24.171369599909	VS	100	1
-46.831197416348	-24.206391842165	VS	100	1	-46.769578947555	-24.170113364098	VS	100	1
-46.830879595576	-24.206242605222	VS	100	1	-46.869559193288	-24.215703852793	VS	70	1
-46.830614447013	-24.206518621466	VS	100	1	-46.775235514526	-24.151677456103	VS	70	1
-46.830584828956	-24.206042941684	VS	100	1	-46.774897636393	-24.15150151136	VS	70	1
-46.830284414444	-24.205804263534	VS	100	1	-46.848682737139	-24.162383097219	VS	100	1
-46.830013449009	-24.205565373548	VS	100	1	-46.89353022711	-24.23370727532	VS	100	1
-46.832084071652	-24.205737773731	VS	100	1	-46.836745471412	-24.196093914414	VS	100	1
-46.879392792085	-24.236188009645	VS	100	1	-46.836888617939	-24.195849689775	VS	100	1
-46.879291283438	-24.233007857276	VS	100	1	-46.88969301789	-24.236172959358	VS	100	1
-46.879312851324	-24.234033087547	VS	100	1	-46.781528924957	-24.175604672813	VS	250	1
-46.879149153859	-24.233365174339	VS	100	1	-46.781874898857	-24.17576816775	VS	250	1
-46.879136439928	-24.236366354174	VS	100	1	-46.82710578394	-24.199458678309	VS	70	1
-46.879095108402	-24.236065283686	VS	100	1	-46.80824001711	-24.192363870051	VS	250	1
-46.878981608826	-24.232796175209	VS	100	1	-46.734652519263	-24.150522568509	VS	100	1
-46.878984924189	-24.235002486317	VS	100	1	-46.734355779819	-24.15072211759	VS	100	1
-46.87889796283	-24.23353672539	VS	100	1	-46.734430548445	-24.150520040364	VS	100	1
-46.878752616537	-24.232815120961	VS	100	1	-46.734697453719	-24.150751690025	VS	100	1
-46.878682479212	-24.232611214765	VS	100	1	-46.734919768301	-24.151026644771	VS	100	1
-46.831786013452	-24.205579667554	VS	100	1	-46.735111794987	-24.151266087205	VS	100	1
-46.831438086021	-24.205411971328	VS	100	1	-46.73416148395	-24.1508490312	VS	100	1
-46.832098087843	-24.2084971711	VS	100	1	-46.733987777011	-24.150975177827	VS	100	1
-46.8315235517	-24.208160018076	VS	100	1	-46.734911061447	-24.150335923097	VS	100	1
-46.83129134409	-24.208031412819	VS	100	1	-46.733126613589	-24.150627560498	VS	100	1
-46.831101333986	-24.207939739852	VS	100	1	-46.733394896669	-24.150768394071	VS	100	1
-46.830756949672	-24.207752158982	VS	100	1	-46.733742431038	-24.150944316814	VS	100	1
-46.83117806356	-24.207676256565	VS	100	1	-46.734318486056	-24.151243459373	VS	100	1
-46.832030146051	-24.206659516294	VS	100	1	-46.734606697875	-24.15139313427	VS	100	1
-46.832352475583	-24.205711427021	VS	70	1	-46.734964229573	-24.151577872064	VS	100	1
-46.832487591758	-24.205476897403	VS	70	1	-46.735235237813	-24.151720203542	VS	100	1
-46.878733749052	-24.23517403714	VS	100	1	-46.732481289302	-24.150310976095	VS	100	1
-46.878646994639	-24.23371719924	VS	100	1	-46.732818876604	-24.150478084486	VS	100	1
-46.878660167435	-24.235551209223	VS	100	1	-46.733990837364	-24.151076352752	VS	100	1
-46.878578545811	-24.234529715466	VS	100	1	-46.732233126474	-24.150022014711	VS	70	1
-46.878452980481	-24.233013822352	VS	100	1	-46.732104024004	-24.150207819141	VS	100	1
-46.878468204521	-24.235364276472	VS	100	1	-46.73177595634	-24.149950146494	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.878462866356	-24.235115512773	VS	100	1	-46.722570157854	-24.14490889852	VS	100	1
-46.878415015748	-24.23387075066	VS	100	1	-46.731418328775	-24.149765336368	VS	100	1
-46.878317759554	-24.234710264831	VS	100	1	-46.731080531597	-24.149589303207	VS	100	1
-46.878270607789	-24.234885040553	VS	100	1	-46.730794513502	-24.149451025255	VS	100	1
-46.878250764681	-24.235508078163	VS	100	1	-46.730514598084	-24.149298556442	VS	100	1
-46.878173434776	-24.23403329206	VS	100	1	-46.730218646953	-24.149149992134	VS	100	1
-46.831922171863	-24.20195909369	VS	70	1	-46.729897114256	-24.148986033309	VS	100	1
-46.831641175117	-24.202445592063	VS	70	1	-46.732145680329	-24.148909532391	VS	100	1
-46.831450241019	-24.202747916049	VS	70	1	-46.732525694756	-24.149375272995	VS	100	1
-46.83097810389	-24.203527786656	VS	70	1	-46.732747826241	-24.149641344921	VS	100	1
-46.83059010072	-24.203568416157	VS	70	1	-46.732648319786	-24.149847461166	VS	100	1
-46.833461361249	-24.200476785861	VS	70	1	-46.732941779883	-24.14964105311	VS	100	1
-46.833183206175	-24.201624976414	VS	70	1	-46.732380711869	-24.150035155706	VS	100	1
-46.832941575217	-24.202440742189	VS	70	1	-46.841503875789	-24.198764427882	VS	100	1
-46.832905085182	-24.201493277632	VS	70	1	-46.773712081139	-24.152738057298	VS	70	1
-46.832825338459	-24.200160497169	VS	70	1	-46.770248652111	-24.157070389723	VS	100	1
-46.832790534905	-24.202691714539	VS	70	1	-46.730181441743	-24.148503866393	VS	100	1
-46.878154594711	-24.23630709254	VS	100	1	-46.82093658486	-24.182653222098	VS	100	1
-46.878051805673	-24.234618170154	VS	100	1	-46.821501817956	-24.182431124668	VS	70	1
-46.878009179814	-24.23567062784	VS	100	1	-46.822813214999	-24.183222162292	VS	70	1
-46.877932066531	-24.234204765033	VS	100	1	-46.827024040839	-24.205734790852	VS	70	1
-46.877932217628	-24.236050096941	VS	100	1	-46.827665904771	-24.185876648431	VS	70	1
-46.877847747283	-24.235026272027	VS	100	1	-46.827386412278	-24.185816286275	VS	70	1
-46.877685079912	-24.234378167925	VS	100	1	-46.827463815403	-24.185544392354	VS	70	1
-46.877633211728	-24.234122795334	VS	100	1	-46.827527151216	-24.185320835474	VS	70	1
-46.877608221844	-24.235189922881	VS	100	1	-46.788905072965	-24.158548959647	VS	100	1
-46.877516600176	-24.23601364763	VS	100	1	-46.788724865207	-24.158293987243	VS	100	1
-46.877449265156	-24.234538691429	VS	100	1	-46.788557103765	-24.158051998986	VS	100	1
-46.877351344063	-24.235360486943	VS	100	1	-46.883478760776	-24.226905406942	VS	70	1
-46.832714939516	-24.202508014108	VS	70	1	-46.883743596936	-24.227060593852	VS	70	1
-46.832639693674	-24.202951645107	VS	70	1	-46.884029688747	-24.22722439867	VS	70	1
-46.832557173649	-24.201317507004	VS	70	1	-46.883914935673	-24.227058354417	VS	70	1
-46.832487453541	-24.199993575761	VS	70	1	-46.883646549018	-24.227250016337	VS	70	1
-46.832479249835	-24.203220571866	VS	70	1	-46.883363821908	-24.227448222944	VS	70	1
-46.832377058882	-24.202341091938	VS	70	1	-46.788227245944	-24.157558342556	VS	100	1
-46.832343441652	-24.203442036519	VS	70	1	-46.788392164595	-24.157805175052	VS	100	1
-46.832239199725	-24.201159389024	VS	70	1	-46.79670850537	-24.160452189594	VS	70	1
-46.83211481061	-24.203271137675	VS	70	1	-46.796456165078	-24.160159711163	VS	70	1
-46.832048991778	-24.202174095409	VS	70	1	-46.796204442153	-24.159885299183	VS	70	1
-46.831911135931	-24.200992383607	VS	70	1	-46.797340391158	-24.16036898443	VS	70	1
-46.831799994261	-24.202173745611	VS	70	1	-46.79677055099	-24.160756933524	VS	70	1
-46.831787106907	-24.203113148379	VS	70	1	-46.796500238777	-24.160946342596	VS	70	1
-46.877304335385	-24.235535347219	VS	100	1	-46.796748204837	-24.160230657095	VS	70	1
-46.87728482941	-24.236176110565	VS	100	1	-46.796429603534	-24.160456149129	VS	70	1
-46.877207691619	-24.234701231211	VS	100	1	-46.796081958011	-24.160708805749	VS	70	1
-46.877110493735	-24.235531638645	VS	100	1	-46.796506075428	-24.159554511992	VS	70	1
-46.877081729001	-24.235269400176	VS	100	1	-46.797991083247	-24.159762023618	VS	70	1
-46.877052844261	-24.236329659044	VS	100	1	-46.797839605774	-24.159584712742	VS	70	1
-46.876956505393	-24.234872778586	VS	100	1	-46.797556906646	-24.159256687367	VS	70	1
-46.87683930622	-24.235712615079	VS	100	1	-46.797173326754	-24.158813450174	VS	70	1
-46.876704904456	-24.235035523214	VS	100	1	-46.798209136211	-24.159764766997	VS	70	1
-46.876664324434	-24.234765579707	VS	100	1	-46.797929448784	-24.15996302645	VS	70	1
-46.876536202715	-24.235930088839	VS	100	1	-46.785050007623	-24.181863299629	VS	150	1
-46.876444105085	-24.235216068585	VS	100	1	-46.797639720717	-24.160161504102	VS	70	1
-46.831544926074	-24.202986777595	VS	70	1	-46.797607790638	-24.159644204196	VS	70	1
-46.831280655812	-24.203043620977	VS	70	1	-46.797366282909	-24.159806632211	VS	70	1
-46.83121873195	-24.202821723916	VS	70	1	-46.797047534807	-24.160023178019	VS	70	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.8311296006	-24.203294626882	VS	70	1	-46.797712945545	-24.158706581221	VS	70	1
-46.831075252807	-24.201690970213	VS	70	1	-46.797413619872	-24.158914062205	VS	70	1
-46.83089844571	-24.202662124001	VS	70	1	-46.79711429386	-24.159121524447	VS	70	1
-46.83082682218	-24.201758940287	VS	70	1	-46.796814795298	-24.159329125478	VS	70	1
-46.83066359623	-24.202038986599	VS	70	1	-46.797395193955	-24.159061612019	VS	70	1
-46.830564362221	-24.202497907717	VS	70	1	-46.753667379882	-24.162362878538	VS	70	1
-46.830493538227	-24.202316906909	VS	70	1	-46.88478421209	-24.22949052743	VS	100	1
-46.830333322335	-24.202594727096	VS	70	1	-46.88510038545	-24.229275118911	VS	100	1
-46.830276171015	-24.202357344833	VS	70	1	-46.885416557787	-24.229059709585	VS	100	1
-46.876321278196	-24.236079951579	VS	100	1	-46.885724802267	-24.228845888166	VS	100	1
-46.876202732458	-24.235387538172	VS	100	1	-46.886345614434	-24.228405718994	VS	100	1
-46.876006560513	-24.23613079226	VS	100	1	-46.885929772732	-24.228359731694	VS	100	1
-46.875961196035	-24.235550049566	VS	100	1	-46.886037207526	-24.228624956423	VS	100	1
-46.875703668967	-24.235936202151	VS	100	1	-46.886422492914	-24.228354404129	VS	100	1
-46.875690792506	-24.235739592586	VS	100	1	-46.886673878753	-24.22819176091	VS	70	1
-46.875506973471	-24.235044965549	VS	100	1	-46.887134152262	-24.227885763385	VS	70	1
-46.875470899303	-24.23577958055	VS	100	1	-46.886925039865	-24.228020193809	VS	70	1
-46.875226707512	-24.235243671241	VS	100	1	-46.779373364244	-24.164732667634	VS	100	1
-46.875246438106	-24.235619938282	VS	100	1	-46.77908381829	-24.1649400269	VS	100	1
-46.879631886113	-24.236464896176	VS	100	1	-46.778803676683	-24.165129443512	VS	100	1
-46.83029193228	-24.203419032299	VS	70	1	-46.778542934367	-24.165309831681	VS	100	1
-46.830059584483	-24.203051902068	VS	70	1	-46.778584099489	-24.165483722743	VS	100	1
-46.830004393208	-24.20221717736	VS	70	1	-46.778786100046	-24.16572312699	VS	100	1
-46.829983711983	-24.203260798048	VS	70	1	-46.778311174943	-24.165472162048	VS	100	1
-46.829731442172	-24.203137610083	VS	70	1	-46.908033272703	-24.241415058358	VS	100	1
-46.829677051574	-24.202039205345	VS	70	1	-46.787203114327	-24.156056282485	VS	100	1
-46.829456968672	-24.202997187284	VS	70	1	-46.787027643708	-24.15588012944	VS	100	1
-46.829391859617	-24.20208566243	VS	70	1	-46.78039069311	-24.177317600924	VS	100	1
-46.829250404482	-24.202327669922	VS	70	1	-46.779653029598	-24.176418641654	VS	100	1
-46.829171781439	-24.200435340121	VS	70	1	-46.779454182236	-24.176313044975	VS	100	1
-46.829218560751	-24.202883025075	VS	70	1	-46.779505714265	-24.176180680817	VS	100	1
-46.829099557158	-24.202587596059	VS	70	1	-46.779145836725	-24.176145764692	VS	100	1
-46.87838572451	-24.237558602411	VS	100	1	-46.779256908326	-24.17635179697	VS	100	1
-46.877507322627	-24.236985600123	VS	100	1	-46.790430147226	-24.175195302286	VS	100	1
-46.879053140129	-24.236897876629	VS	100	1	-46.789944002537	-24.175186446697	VS	100	1
-46.878855612961	-24.236565430358	VS	100	1	-46.787312213088	-24.15570687347	VS	100	1
-46.87838275374	-24.236562279161	VS	100	1	-46.787569973193	-24.155549581672	VS	100	1
-46.878126247918	-24.237391134352	VS	100	1	-46.824919843485	-24.181762460071	VS	70	1
-46.877816779698	-24.237188371861	VS	100	1	-46.82543137406	-24.2006463282	VS	70	1
-46.877227993487	-24.23680936916	VS	100	1	-46.891275898036	-24.238629229903	VS	100	1
-46.876968512891	-24.236650654256	VS	100	1	-46.866609169393	-24.220281075995	VS	100	1
-46.876769932041	-24.236524103106	VS	100	1	-46.86658760893	-24.219358379252	VS	70	1
-46.881692208307	-24.236434987925	VS	100	1	-46.866396878111	-24.220032917391	VS	70	1
-46.878353639621	-24.23691733159	VS	100	1	-46.866324812454	-24.219542127848	VS	70	1
-46.828803498549	-24.201044960724	VS	70	1	-46.866181169305	-24.219790138563	VS	70	1
-46.828705270079	-24.201548564156	VS	70	1	-46.865951718651	-24.219526933486	VS	70	1
-46.828643050326	-24.201313882703	VS	70	1	-46.865740130488	-24.219279604809	VS	70	1
-46.828671926386	-24.202610634796	VS	70	1	-46.861746216413	-24.217596205433	VS	70	1
-46.828469206385	-24.201589045823	VS	70	1	-46.861465632263	-24.217786060993	VS	70	1
-46.828393598967	-24.202470005438	VS	70	1	-46.862955807218	-24.217676082041	VS	70	1
-46.82831976526	-24.201834169242	VS	70	1	-46.862718973493	-24.217727990837	VS	70	1
-46.828227224438	-24.201988348304	VS	70	1	-46.732844875777	-24.152688943773	VS	100	1
-46.828075590566	-24.202311850958	VS	70	1	-46.733103221879	-24.15251785726	VS	100	1
-46.82800426882	-24.201206761676	VS	100	1	-46.733357209101	-24.152337786041	VS	100	1
-46.83243275048	-24.203429237483	VS	100	1	-46.732619609271	-24.152564198335	VS	100	1
-46.833062931701	-24.20268382301	VS	100	1	-46.732391000485	-24.152438042729	VS	100	1
-46.86656412288	-24.222284743255	VS	70	1	-46.735124548334	-24.153298201502	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.863787970167	-24.225637856992	VS	70	1	-46.734883409717	-24.153478356048	VS	100	1
-46.863527177399	-24.225818380428	VS	70	1	-46.862484170721	-24.217449443484	VS	70	1
-46.863169270472	-24.225340990499	VS	70	1	-46.862248049474	-24.217235371704	VS	70	1
-46.862930435906	-24.225510767986	VS	70	1	-46.862026105139	-24.217397737788	VS	70	1
-46.862669652272	-24.225691290088	VS	70	1	-46.861812570293	-24.216703566605	VS	70	1
-46.862118637452	-24.224169503129	VS	70	1	-46.735636491305	-24.152946591966	VS	100	1
-46.861661589385	-24.225759600226	VS	100	1	-46.735588593661	-24.152607670467	VS	100	1
-46.86119385285	-24.225702946094	VS	70	1	-46.734923461953	-24.152261627932	VS	100	1
-46.866512184343	-24.22296612049	VS	70	1	-46.735962259574	-24.152799313127	VS	100	1
-46.866510684852	-24.223706691018	VS	70	1	-46.736311017241	-24.152989554567	VS	100	1
-46.866311144756	-24.222474167925	VS	70	1	-46.736497996527	-24.153082778384	VS	100	1
-46.833390780795	-24.202841903737	VS	100	1	-46.736804808112	-24.153366235781	VS	100	1
-46.833613658494	-24.202962513625	VS	100	1	-46.736760995964	-24.153217022077	VS	100	1
-46.833709423057	-24.203185562544	VS	100	1	-46.736996037182	-24.153340214379	VS	100	1
-46.833592897934	-24.201356095895	VS	70	1	-46.737245765638	-24.153470560908	VS	100	1
-46.833491292423	-24.201783137368	VS	70	1	-46.73594432642	-24.153383584273	VS	100	1
-46.833441628816	-24.201598182063	VS	70	1	-46.860442735976	-24.216202955304	VS	70	1
-46.833281450338	-24.201875980159	VS	70	1	-46.860046661415	-24.216977553413	VS	70	1
-46.833111398131	-24.202153895203	VS	70	1	-46.85986497005	-24.216773832583	VS	70	1
-46.832760820889	-24.203596242676	VS	70	1	-46.859646385494	-24.216563958602	VS	70	1
-46.829731738144	-24.201520910068	VS	70	1	-46.86145873379	-24.216213032599	VS	70	1
-46.835111826686	-24.202609369791	VS	70	1	-46.860162494923	-24.216392592513	VS	70	1
-46.834803610741	-24.202451136037	VS	70	1	-46.860190411704	-24.217840639635	VS	100	1
-46.834505207929	-24.202292836885	VS	70	1	-46.859882516152	-24.216591108287	VS	70	1
-46.866230918914	-24.223914140759	VS	70	1	-46.859827363063	-24.216062748242	VS	70	1
-46.866021344112	-24.222672779148	VS	70	1	-46.77933372559	-24.180551194174	VS	150	1
-46.865995320459	-24.222425871293	VS	70	1	-46.779161028945	-24.180844481815	VS	150	1
-46.865968332839	-24.224930741376	VS	70	1	-46.781014084983	-24.179920812592	VS	250	2
-46.865716465326	-24.222267462167	VS	70	1	-46.781192968887	-24.179598239386	VS	250	2
-46.86566870109	-24.22512942647	VS	70	1	-46.780806402521	-24.18027031044	VS	250	2
-46.834316999621	-24.202148086025	VS	70	1	-46.780665100847	-24.180521186138	VS	250	2
-46.834189822845	-24.202382042105	VS	70	1	-46.780530101777	-24.180750769976	VS	250	2
-46.834177319669	-24.20213473947	VS	70	1	-46.781353473873	-24.179329385964	VS	250	2
-46.834020724142	-24.202656666493	VS	70	1	-46.778383798696	-24.177276765313	VS	100	1
-46.833888657466	-24.202880759887	VS	100	1	-46.859643030862	-24.216534573311	VS	70	1
-46.865662679165	-24.223570681069	VS	70	1	-46.859602546657	-24.216789614682	VS	70	1
-46.834486410936	-24.201884045612	VS	70	1	-46.859552749265	-24.216257415307	VS	70	1
-46.834967279516	-24.203640930216	VS	70	1	-46.859370183107	-24.216215575787	VS	70	1
-46.833968699267	-24.20313778348	VS	70	1	-46.866045928703	-24.219751793206	VS	70	1
-46.834295670116	-24.203302988203	VS	70	1	-46.865950672792	-24.220387262156	VS	100	1
-46.834619736538	-24.203472891304	VS	70	1	-46.865779551667	-24.219927950734	VS	100	1
-46.836540495734	-24.200469015748	VS	250	1	-46.865717073848	-24.220102439896	VS	100	1
-46.836257676853	-24.200952941609	VS	250	1	-46.86556691216	-24.220103215923	VS	100	1
-46.86536325357	-24.223778288625	VS	70	1	-46.865463913215	-24.219824550892	VS	100	1
-46.865081719422	-24.223970134752	VS	70	1	-46.865401741876	-24.220214836162	VS	100	1
-46.86518921365	-24.224099215363	VS	70	1	-46.780525887783	-24.180123619804	VS	100	1
-46.865370469776	-24.224206300869	VS	70	1	-46.780297376013	-24.180009321417	VS	100	1
-46.865549835641	-24.224311955275	VS	70	1	-46.735711160304	-24.150910685435	VS	100	1
-46.865651219433	-24.224311403887	VS	70	1	-46.733595070217	-24.151553792785	VS	100	1
-46.865931422659	-24.224121801627	VS	70	1	-46.733073568334	-24.151284366632	VS	100	1
-46.865942667998	-24.223372146598	VS	70	1	-46.735739085016	-24.151973856663	VS	100	1
-46.866215691505	-24.22318953429	VS	70	1	-46.736592033952	-24.152261729469	VS	100	1
-46.865211224139	-24.223248185529	VS	70	1	-46.738624024329	-24.151548521533	VS	100	1
-46.865573609593	-24.222994711409	VS	70	1	-46.740436184216	-24.152971612761	VS	100	1
-46.865348394482	-24.224522218732	VS	70	1	-46.732916467134	-24.151732013611	VS	100	1
-46.865369584516	-24.22534589607	VS	70	1	-46.733410032433	-24.151461711092	VS	100	1
-46.865327933964	-24.224430434928	VS	70	1	-46.865252954424	-24.219562947813	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.865156620251	-24.224327217318	VS	70	1	-46.86517981438	-24.2203772162	VS	100	1
-46.865100877881	-24.224699436868	VS	70	1	-46.865020379901	-24.219288187829	VS	100	1
-46.865070173552	-24.225553502921	VS	70	1	-46.864970268647	-24.220503587812	VS	100	1
-46.86582536134	-24.222811656454	VS	70	1	-46.863731529651	-24.2201689595	VS	70	1
-46.865060875039	-24.223364373604	VS	70	1	-46.86324262763	-24.219945089301	VS	100	1
-46.864913647077	-24.223469168617	VS	70	1	-46.860714516959	-24.22091213897	VS	100	1
-46.835916784165	-24.201528305193	VS	250	1	-46.860453741244	-24.221092658184	VS	70	1
-46.835747862513	-24.201795525651	VS	250	1	-46.73383833744	-24.151683214937	VS	100	1
-46.835587647302	-24.202073379798	VS	250	1	-46.734157036948	-24.151855038877	VS	100	1
-46.835417820115	-24.20236022105	VS	250	1	-46.734048294683	-24.151855275124	VS	100	1
-46.835285545173	-24.202575393327	VS	250	1	-46.73391283975	-24.151947909846	VS	100	1
-46.835134564854	-24.2028355215	VS	250	1	-46.733632849919	-24.152146204162	VS	100	1
-46.834964313373	-24.203104525536	VS	250	1	-46.733167371822	-24.151551820146	VS	100	1
-46.834791976647	-24.203398609111	VS	250	1	-46.732665390999	-24.151912318975	VS	100	1
-46.834629623486	-24.203666206002	VS	250	1	-46.732771243617	-24.151107130443	VS	100	1
-46.835965992245	-24.203637044295	VS	70	1	-46.736146601087	-24.152185180263	VS	100	1
-46.836105478803	-24.201803756166	VS	100	1	-46.736375259774	-24.152307888078	VS	100	1
-46.864640990379	-24.22366529474	VS	70	1	-46.736623284413	-24.152431480214	VS	100	1
-46.864642702681	-24.223765846322	VS	70	1	-46.736921223646	-24.152581017857	VS	100	1
-46.864812242577	-24.223871585791	VS	70	1	-46.738077690086	-24.153159532063	VS	100	1
-46.864972218379	-24.22421616896	VS	70	1	-46.738560227	-24.153413824873	VS	100	1
-46.864982185914	-24.223956959169	VS	70	1	-46.738606867663	-24.153333098669	VS	100	1
-46.864363653563	-24.223598521169	VS	70	1	-46.738703097508	-24.153487114236	VS	100	1
-46.864840311342	-24.224888886291	VS	70	1	-46.738886629327	-24.153125890008	VS	100	1
-46.864070418788	-24.223421144102	VS	70	1	-46.739166390113	-24.152918680702	VS	100	1
-46.864795358358	-24.22418503894	VS	70	1	-46.739456172656	-24.15272031572	VS	100	1
-46.864755577402	-24.224082964812	VS	70	1	-46.739687915832	-24.152558065269	VS	100	1
-46.864771014874	-24.225769997017	VS	70	1	-46.739929047291	-24.152377892889	VS	100	1
-46.864568661654	-24.223969413236	VS	70	1	-46.740199201816	-24.152179671457	VS	100	1
-46.836497070367	-24.202735743269	VS	100	1	-46.739259703748	-24.152180116893	VS	100	1
-46.837019856934	-24.202269439158	VS	100	1	-46.738998946524	-24.152360424317	VS	100	1
-46.835111453343	-24.201302852456	VS	100	1	-46.738728790063	-24.152558643299	VS	100	1
-46.833743955608	-24.20110508679	VS	70	1	-46.738419800609	-24.15277498706	VS	100	1
-46.83389484998	-24.200835824396	VS	70	1	-46.73813042613	-24.152991184707	VS	100	1
-46.834074031907	-24.200540342287	VS	70	1	-46.73711368327	-24.151901036716	VS	100	1
-46.834253460652	-24.20024449697	VS	70	1	-46.736862611234	-24.1520813588	VS	100	1
-46.833788914682	-24.200643503531	VS	70	1	-46.737383843345	-24.151711890315	VS	100	1
-46.835442849128	-24.198263351256	VS	100	1	-46.737683023618	-24.151495616679	VS	100	1
-46.835082977563	-24.198911621091	VS	70	1	-46.737972589692	-24.151288341159	VS	100	1
-46.864579551238	-24.22506940375	VS	70	1	-46.738262379415	-24.151089978443	VS	100	1
-46.864542696089	-24.224364803029	VS	70	1	-46.738542525376	-24.150900622126	VS	100	1
-46.864413913984	-24.22387263245	VS	100	1	-46.73727207483	-24.152513214345	VS	100	1
-46.864322257236	-24.223881905007	VS	70	1	-46.737523569501	-24.152332605934	VS	100	1
-46.864309158746	-24.225258927371	VS	100	1	-46.737803544527	-24.152134321407	VS	100	1
-46.864272304923	-24.224554335799	VS	70	1	-46.786954723055	-24.157813951241	VS	100	1
-46.8640387152	-24.225448485095	VS	70	1	-46.787121852798	-24.157843286519	VS	100	1
-46.864002286955	-24.224752669065	VS	70	1	-46.786987041427	-24.157617453995	VS	100	1
-46.834914628347	-24.200064094679	VS	70	1	-46.786812723384	-24.157323343051	VS	100	1
-46.834431908933	-24.199940996865	VS	70	1	-46.786655844744	-24.157055021677	VS	100	1
-46.832159401613	-24.199826580501	VS	70	1	-46.742217439678	-24.1532818606	VS	100	1
-46.83252891862	-24.19764648752	VS	70	1	-46.738064097686	-24.151945103262	VS	100	1
-46.83282704163	-24.197787019799	VS	70	1	-46.738353879136	-24.151746740296	VS	100	1
-46.8333077254	-24.19660939388	VS	70	1	-46.738894393007	-24.151359224672	VS	100	1
-46.832353901428	-24.196143875734	VS	70	1	-46.739154943392	-24.151169995191	VS	100	1
-46.832006214998	-24.195977028523	VS	70	1	-46.739423590402	-24.150986635273	VS	100	1
-46.833953814822	-24.196934546855	VS	70	1	-46.739695667119	-24.150791398253	VS	100	1
-46.833986513948	-24.19650793452	VS	70	1	-46.737661548859	-24.150969580968	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.833612646415	-24.195411363124	VS	70	1	-46.737361950306	-24.151185473366	VS	100	1
-46.833284526041	-24.195244333437	VS	70	1	-46.736975617541	-24.151455969058	VS	100	1
-46.863969361505	-24.224122704385	VS	70	1	-46.736676641209	-24.151681154075	VS	100	1
-46.863849784469	-24.22387909353	VS	70	1	-46.74075436067	-24.153147763941	VS	100	1
-46.863769396719	-24.224272388943	VS	70	1	-46.740695221299	-24.153017631635	VS	100	1
-46.863736456677	-24.22493671665	VS	70	1	-46.740600446042	-24.153171488942	VS	100	1
-46.863560794961	-24.223703003121	VS	70	1	-46.742050449908	-24.154432077047	VS	70	1
-46.863501502668	-24.224459472629	VS	70	1	-46.740469847936	-24.153369412427	VS	100	1
-46.863470901846	-24.225122862965	VS	70	1	-46.739946607897	-24.153118152056	VS	100	1
-46.863271691339	-24.223526818974	VS	70	1	-46.739676326459	-24.153307398887	VS	100	1
-46.863240722074	-24.22463999613	VS	70	1	-46.739934158671	-24.153332018901	VS	100	1
-46.862982800933	-24.223359566312	VS	70	1	-46.739457111389	-24.153463661762	VS	100	1
-46.862965826891	-24.224680327974	VS	70	1	-46.781523624904	-24.179034987652	VS	250	2
-46.862970611267	-24.224838414994	VS	70	1	-46.782565619352	-24.179525622283	VS	150	1
-46.862686769126	-24.224512990501	VS	70	1	-46.782405540773	-24.179812331171	VS	150	1
-46.832956685293	-24.195086254761	VS	70	1	-46.782246904448	-24.180058797538	VS	150	1
-46.833880460571	-24.198314184333	VS	70	1	-46.78203714906	-24.180421790598	VS	150	1
-46.832126909629	-24.195531766444	VS	70	1	-46.781876850733	-24.180699576024	VS	150	1
-46.831966476939	-24.195800684964	VS	70	1	-46.736415912257	-24.151861439519	VS	100	1
-46.831796400232	-24.196078679671	VS	70	1	-46.736174563584	-24.152032683573	VS	100	1
-46.825775823127	-24.19940508454	VS	70	1	-46.743099649387	-24.151886858708	VS	70	1
-46.827586664746	-24.199951054902	VS	70	1	-46.742818262845	-24.151745764858	VS	70	1
-46.826831030689	-24.199654227397	VS	70	1	-46.778840314676	-24.181540965834	VS	100	1
-46.826502830249	-24.199888746449	VS	70	1	-46.778531808752	-24.181382405792	VS	100	1
-46.826242483952	-24.200087051751	VS	70	1	-46.778214033306	-24.181224228181	VS	100	1
-46.826127616136	-24.199712402656	VS	70	1	-46.77793603622	-24.18109244425	VS	100	1
-46.825867593961	-24.199591566226	VS	70	1	-46.74430812319	-24.152260670134	VS	100	1
-46.825628092873	-24.199659484422	VS	70	1	-46.742933680115	-24.153262716909	VS	100	1
-46.862700217387	-24.225027935493	VS	70	1	-46.743385300353	-24.152035364751	VS	100	1
-46.862417516883	-24.224345576882	VS	70	1	-46.744000857453	-24.152479517774	VS	100	1
-46.862439647191	-24.225217380214	VS	70	1	-46.743695008181	-24.152712495373	VS	100	1
-46.862178671602	-24.225388952058	VS	70	1	-46.743485996602	-24.152854562068	VS	100	1
-46.86191798927	-24.225578473806	VS	70	1	-46.787801226475	-24.155413410578	VS	100	1
-46.861842215898	-24.22533153703	VS	70	1	-46.78716315488	-24.156481505989	VS	100	1
-46.861573165358	-24.225164262583	VS	70	1	-46.786936056277	-24.156615852345	VS	100	1
-46.861303740629	-24.224996725086	VS	70	1	-46.786679771679	-24.15677479737	VS	100	1
-46.861114341283	-24.224882218203	VS	100	1	-46.743216049854	-24.153061702824	VS	100	1
-46.860914998288	-24.225544537033	VS	70	1	-46.743037341206	-24.153063677427	VS	100	1
-46.860866469391	-24.22478602683	VS	100	1	-46.742729583928	-24.152914219101	VS	100	1
-46.860626166639	-24.225386081227	VS	70	1	-46.742431430414	-24.152755769822	VS	100	1
-46.825551161767	-24.199431214793	VS	70	1	-46.742123626844	-24.152606273066	VS	100	1
-46.825485122289	-24.199900238204	VS	70	1	-46.741815667396	-24.1524478822	VS	100	1
-46.825311630485	-24.200180455831	VS	70	1	-46.742704713384	-24.15343107255	VS	100	1
-46.825272845079	-24.199290581075	VS	70	1	-46.742441501494	-24.153620837834	VS	100	1
-46.825116965926	-24.199298186075	VS	70	1	-46.742559713102	-24.154076508966	VS	100	1
-46.824929456326	-24.199602542164	VS	70	1	-46.741354285922	-24.15345977496	VS	100	1
-46.823478657429	-24.199658446965	VS	70	1	-46.741062320289	-24.153306147992	VS	100	1
-46.823324520589	-24.199906609386	VS	70	1	-46.741427984519	-24.152889338513	VS	100	1
-46.823222415875	-24.198839085342	VS	70	1	-46.744135496188	-24.153020049716	VS	70	1
-46.823106833899	-24.198227600494	VS	70	1	-46.741636615816	-24.153604756731	VS	100	1
-46.823062180575	-24.199116914132	VS	70	1	-46.786469375342	-24.156906178953	VS	100	1
-46.823074037121	-24.199780016619	VS	70	1	-46.787829023355	-24.157279994058	VS	100	1
-46.866596912879	-24.225193765772	VS	100	1	-46.787648846823	-24.157391188286	VS	100	1
-46.866566335809	-24.224928322689	VS	100	1	-46.787390433266	-24.157550003427	VS	100	1
-46.86646583033	-24.225194492856	VS	100	1	-46.787196602527	-24.157669429429	VS	100	1
-46.866327189179	-24.224787439671	VS	100	1	-46.743827532364	-24.152861671458	VS	70	1
-46.866328117562	-24.225044223209	VS	100	1	-46.782337786164	-24.180928943861	VS	100	1

ANEXO 15 - CADASTRO DA REDE DE IP

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.86615681938	-24.225411100802	VS	100	1	-46.782177270406	-24.181197807027	VS	150	1
-46.865838499026	-24.225645568609	VS	100	1	-46.782016763725	-24.181466670197	VS	150	1
-46.865754350093	-24.224425560677	VS	70	1	-46.781716417154	-24.180968314687	VS	150	1
-46.865550222784	-24.22455959039	VS	100	1	-46.781565720397	-24.181237106607	VS	150	1
-46.861911925201	-24.222136595263	VS	70	1	-46.781207244222	-24.181846314996	VS	150	1
-46.82289175403	-24.199376890587	VS	70	1	-46.781046474309	-24.182131731372	VS	150	1
-46.822836544142	-24.198315838605	VS	70	1	-46.780824610615	-24.182517177995	VS	150	1
-46.822782242792	-24.198062971768	VS	70	1	-46.779878101823	-24.182028239661	VS	100	1
-46.822777280898	-24.199631010207	VS	70	1	-46.781153220379	-24.182668582838	VS	150	1
-46.822676089021	-24.198584744093	VS	70	1	-46.781667723132	-24.182922707859	VS	150	1
-46.82594903572	-24.199121603687	VS	100	1	-46.781946747217	-24.183053109534	VS	150	1
-46.827139400686	-24.19977612714	VS	70	1	-46.782225306527	-24.183180035838	VS	150	1
-46.826926644681	-24.199911608108	VS	70	1	-46.782510743288	-24.183333306887	VS	150	1
-46.826777786477	-24.200142464484	VS	70	1	-46.782760553543	-24.183459147094	VS	150	1
-46.834653686266	-24.209774466918	VS	70	1	-46.783061416361	-24.183606308322	VS	150	1
-46.835227677065	-24.209972476153	VS	70	1	-46.782448742112	-24.182074986618	VS	150	1
-46.835255576996	-24.210094119277	VS	70	1	-46.782266596552	-24.182333314984	VS	150	1
-46.861632854809	-24.221969247201	VS	70	1	-46.782077547216	-24.182660692411	VS	150	1
-46.861535117616	-24.223183832521	VS	70	1	-46.781908686012	-24.182982020522	VS	150	1
-46.859194983284	-24.22318529076	VS	100	1	-46.782999120003	-24.183145672739	VS	150	1
-46.863914953112	-24.221261589148	VS	100	1	-46.78284928016	-24.183425128216	VS	150	1
-46.863606162271	-24.221487106597	VS	70	1	-46.778811743102	-24.181436069176	VS	150	1
-46.863335433746	-24.221667793056	VS	70	1	-46.779851100474	-24.181903398831	VS	150	1
-46.863093636922	-24.221440484543	VS	70	1	-46.780250128216	-24.181268064269	VS	150	1
-46.862448451531	-24.22173239208	VS	70	1	-46.782507521814	-24.180642403668	VS	150	1
-46.86208944298	-24.220943764221	VS	100	1	-46.76463242836	-24.159027065895	VS	70	1
-46.862119567741	-24.221539732761	VS	70	1	-46.795376852602	-24.163264405734	VS	70	1
-46.861790487264	-24.22135044859	VS	70	1	-46.795070491312	-24.16337166458	VS	70	1
-46.861516852416	-24.221096024741	VS	70	1	-46.794350911679	-24.16369107634	VS	70	1
-46.861364168273	-24.221810981317	VS	70	1	-46.908179862538	-24.237202047182	VS	70	1
-46.835406083525	-24.210315673836	VS	70	1	-46.908234326714	-24.236394603282	VS	70	1
-46.835713737543	-24.210483278805	VS	70	1	-46.908022364801	-24.236164326759	VS	70	1
-46.836035659903	-24.210586457086	VS	70	1	-46.814957287381	-24.179969675138	VS	250	1
-46.836310802435	-24.210817590885	VS	70	1	-46.816860212678	-24.178694689195	VS	100	1
-46.836569732484	-24.210967270545	VS	70	1	-46.835848804125	-24.19652722103	VS	100	1
-46.836861505786	-24.211151118512	VS	70	1	-46.863648728048	-24.21626939209	VS	70	1
-46.836176473506	-24.210348140033	VS	70	1	-46.869887612715	-24.222133475395	VS	70	1
-46.836333609409	-24.210090966197	VS	70	1	-46.781955387973	-24.154993505952	VS	70	1
-46.836520602148	-24.210062951866	VS	70	1	-46.781696562533	-24.154708401306	VS	70	1
-46.836889027128	-24.210247843361	VS	70	1	-46.781795607484	-24.154608878801	VS	70	1
-46.836259711921	-24.209930358288	VS	70	1	-46.781598327281	-24.154574808434	VS	70	1
-46.86128372802	-24.222407392605	VS	70	1	-46.781500068471	-24.154795596072	VS	100	1
-46.86125001364	-24.221292564612	VS	70	1	-46.783924582358	-24.173059492815	VS	70	1
-46.861095531271	-24.221652725391	VS	70	1	-46.783443912454	-24.173346881603	VS	70	1
-46.860981280928	-24.222231770093	VS	70	1	-46.783190899345	-24.173521639457	VS	70	1
-46.860957164439	-24.221483797399	VS	70	1	-46.837091938596	-24.159944136459	VS	70	1
-46.860981634429	-24.223534517823	VS	70	1	-46.836882442932	-24.160161505723	VS	70	1
					-46.836675094632	-24.160376877637	VS	70	1
					-46.840644888623	-24.170674077209	VS	70	1