

Table S1 - Rainfall Stations

Name	Code	Latitude	Longitude	Data Period
Aldeia	2142022	-21,9514	-42,3561	1939-2020
Anta	2242028	-22,0353	-42,9908	1944-2020
Areal	2243013	-22,2439	-43,0972	1939-2020
Astolfo Dutra	2142000	-21,3069	-42,8606	1939-2020
Bom Jardim	2242021	-22,1569	-42,4164	1941-2020
Caçapava	2345063	-23,0778	-45,7114	1939-2020
Carangola	2042000	-20,74	-42,0239	1939-2020
Cardoso Moreira	2141003	-21,4872	-41,6136	1939-2020
Cataguases	2142001	-21,3894	-42,6964	1939-2020
Chapeu Duvas	2143020	-21,5933	-43,5033	1950-2020
Conservatoria	2243004	-22,2875	-43,9294	1945-2020
Dois Rios	2141006	-21,6433	-41,8586	1939-2020
Estevao Pinto	2143013	-21,8964	-43,0414	1943-2020
Estrada do Cunha	2245055	-22,9958	-45,0442	1939-2020
Fagundes	2243014	-22,2997	-43,1781	1939-2020
Fazenda Agulhas Negras	2244039	-22,3378	-44,5903	1941-2020
Fazenda Mendes	2242022	-22,2858	-42,66	1950-2020
Fazenda Santa Clara	2244010	-22,6919	-44,975	1939-2020
Fazenda São Gabriel	2243202	-22,0117	-43,875	1945-2020
Fazenda Sobradinho	2242027	-22,2011	-42,9	1939-2020
Fazenda Umbaubas	2142004	-21,0503	-42,5156	1943-2020
Fumaca	2244037	-22,2975	-44,3106	1947-2020
Guarani	2143001	-21,3556	-43,0503	1939-2020
Itamarati	2243010	-22,4853	-43,1492	1939-2020
Itaperuna	2141004	-21,2064	-41,8911	1942-2020
Manuel Duarte	2243008	-22,0858	-43,5567	1942-2020
Mirantao	2244058	-22,2539	-44,495	1971-2020
Monteiro Lobato	2245054	-22,9333	-45,8333	1939-2020
Moura Brasil	2243015	-22,1403	-43,1542	1939-2020
Natividade da Serra	2345032	-23,3833	-45,45	1940-2020
Paquequer	2142014	-21,8708	-42,6403	1956-2020
Paraíba do Sul	2243003	-22,1483	-43,2911	1939-2020
Patrocínio de Muriae	2142002	-21,15	-42,2011	1939-2020
Pedro do Rio	2243012	-22,3325	-43,1361	1939-2020
Pentagna	2243006	-22,1569	-43,7525	1944-2020
Pidamomhangaba	2245048	-22,9111	-45,4694	1939-2020
Ponte Alta 1	2345067	-23,3292	-45,1403	1939-2020
Ponte do Souza	2244038	-22,2706	-44,3917	1939-2020
Porciuncula	2042027	-20,9692	-42,0517	1939-2020
Queluz	2244001	-22,5406	-44,7736	1943-2020
Ribeirão São Joaquim	2244034	-22,3036	-44,1869	1942-2020
Rio da Cidade	2243011	-22,4381	-43,1703	1939-2020
Rio Novo	2143018	-21,4725	-43,1211	1944-2020
Santa Isabel do Rio Preto	2244033	-22,2311	-44,0647	1942-2020
Santa Rita do Jacutinga	2244035	-22,1506	-44,09	1939-2020

São Luiz do Paraitinga	2345065	-23,2392	-45,3056	1939-2020
Taboas	2243007	-22,2086	-43,6233	1941-2020
Tabuleiro	2143017	-21,355	-43,2469	1944-2020
Taubate	2345062	-23,0394	-45,5597	1939-2020
Torreões	2143016	-21,8692	-43,5556	1943-2020
Tres Irmãos	2141007	-21,6253	-41,9853	1943-2020
Usina Brumado	2143019	-21,8556	-43,8864	1945-2020
Usina Ituere	2143000	-21,3094	-43,2022	1939-2020
Usina Mauricio	2142006	-21,4714	-42,8131	1944-2020
Valenca	2243005	-22,2189	-43,7036	1944-2020
Visconde de Maua	2244047	-22,33	-44,5383	1939-2020
Volta Redonda	2244041	-22,5011	-44,0919	1943-2020
Zelinda	2244036	-22,2431	-44,2636	1939-2020

Table S2 - Streamflow Stations

Name	Code	Latitude	Longitude	Data Period
Anta	58630002	-22,0353	-42,9908	1943-2020
Astolfo Dutra	58735000	-21,3069	-42,8619	1939-2020
Bom Jardim	58827000	-22,1567	-42,4161	1973-2020
Campos - Ponte Municipal	58974000	-21,7533	-41,3003	1939-2020
Carangola	58930000	-20,74	-42,0239	1955-2020
Cardoso Moreira	58960000	-21,4872	-41,6167	1939-2020
Cataguases	58770000	-21,3894	-42,6964	1966-2020
Chapeu D'uvas	58470000	-21,5939	-43,5047	1939-2020
Dois Rios	58874000	-21,6442	-41,8589	1944-2020
Estevão Pinto	58610000	-21,8964	-43,0414	1939-2020
Estrada Do Cunha	58030000	-22,9939	-45,0439	1939-2020
Fagundes	58434000	-22,2997	-43,1781	1939-2020
Fazenda Santa Clara	58220000	-22,6925	-44,9753	1939-2020
Fazenda Sobradinho	58420000	-22,1994	-42,8969	1962-2020
Fazenda Umbaúbas	58910000	-21,0506	-42,5142	1942-2020
Guarani	58730001	-21,3556	-43,0503	1944-2020
Guaratinguetá	58204000	-22,8119	-45,1825	1939-2020
Itaperuna	58940000	-21,2072	-41,8922	1939-2020
Manuel De Morais	58846000	-22,0242	-42,1344	1939-2020
Manuel Duarte	58585000	-22,0844	-43,5589	1952-2020
Moreli (Parada Moreli)	58425000	-22,1925	-43,0075	1939-2020
Paquequer	58648001	-21,8764	-42,63	1950-2020
Patrocínio Do Muriaé	58920000	-21,1506	-42,2144	1939-2020
Pedro Do Rio	58405000	-22,3319	-43,1317	1939-2020
Piau	58750000	-21,4967	-43,3172	1939-2020
Pindamonhangaba	58183000	-22,9117	-45,47	1939-2020
Piracuama	58463000	-22,8094	-45,5258	1951-2020
Ponte Alta 1	58060000	-23,33	-45,1436	1939-2020
Ponte De Pindamonhangaba	58182500	-22,9119	-45,4711	1984-2020
Ponte Do Souza	58530000	-22,2708	-44,39	1939-2020
Porciuncula	58934000	-20,9633	-42,0372	1939-2020
Queluz	58235100	-22,54	-44,7728	1939-2020
Resende	58250000	-22,4667	-44,4453	1939-2020
Rio Novo	58755000	-21,4739	-43,1289	1939-2020
Rio Preto	58550001	-22,0861	-43,82	1939-2020
São Fidelis	58880001	-21,6453	-41,7522	1939-2020
Tabuleiro	58720000	-21,3547	-43,2478	1987-2020
Três Irmãos	58795000	-21,6258	-41,9853	1939-2020
Uel Santa Cecília Barra Do Pirai	58370000	-22,45	-43,7972	1939-2020
Uhe Funil Jusante 2	58300000	-22,5375	-44,1758	1941-2020
Uhe Funil Montante 1	58235000	-22,5403	-44,7739	1939-2020
Uhe Funil Montante 2	58218000	-22,6617	-45,0125	1939-2020
Uhe Ilha Dos Pombos Fazenda Piracema	58620000	-22,0864	-43,1511	1939-2020
Uhe Simplício Moura Brasil	58440000	-22,1403	-43,1542	1950-2020
Visconde De Mauá	58525000	-22,33	-44,5389	1939-2020

Volta Redonda	58305001	-22,5019	-44,0911	1941-2020
Zelinda	58535000	-22,2442	-44,265	1949-2020