ATMO 529 – Objective Analysis in the Atmospheric and Related Sciences Maria Cecilia R. do Prado Homework #1

http://hidroweb.ana.gov.br/

Hidroweb, the database maintained by the Brazilian National Water Agency (Agência Nacional de Águas - ANA), provides information through stream gauge, rain gauge and water quality stations (in Portuguese). Stations can be localized by latitude, longitude, altitude, drainage area, city, state, basin, sub basin, river or code. Rain gauge stations provide measurements of rainfall and other meteorological data, such as air, water and soil temperature, wind speed, evaporation, insolation, relative humidity and others. Stream gauge stations provide water level, discharge, sediments, transversal profile and discharge summary of rivers. Water quality stations provide more than 100 different physical, chemical and biological measurements, such as water temperature, pH, color, turbidity, conductance, hardness, dissolved oxygen, alkalinity, bacteria, algae and many others. Data is provided in Text or Access format, in a daily or monthly basis and stations are spread through Brazil, Bolivia, Colombia, Argentina, Paraguay, Guyana, Suriname, French Guiana and Venezuela. The picture below shows the location of stream gauge stations (red), rain gauge stations (green) and water quality (blue).

