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Recovery of early meteorological data from Latin-America and the Caribbean

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Early instrumental measurements are an important tool to understand multidecadal climate variability or put into context specific extreme phenomena. We show early instrumental data recovered in Latin-America and the Caribbean. Data have been retrieved from 20 countries from Argentina to Jamaica and Puerto Rico for the 18th and 19th centuries. The main meteorological variables retrieved are air temperature, atmospheric pressure and precipitation. However other variables, such as humidity, wind direction or the state of the atmosphere have been retrieved when possible. In total, around 300.000 early instrumental observations have been rescued. Whenever metadata available (instruments, observers, methodology of observation...) have been documented to allow further prost-processing. The compilation is far from being completed and the effort to rescue observations continues.