Tori Meakem’s gap-filled San Lorenzo/Fort Sherman METADATA

Total monthly precipitation (mm) and average monthly temperature (°C) data for San Lorenzo/Fort Sherman were collected at a crane adjacent to the plot established in 1997. A description of the crane and instruments can be found at: <http://biogeodb.stri.si.edu/physical_monitoring/research/sherman>

Data gaps were filled using the measurements taken at the ACP (Autoridad del Canal de Panamá) weather stations Gatún (GAT) and Gatún West (GTW), located approximately 5-6 km southeast of San Lorenzo (<http://biogeodb.stri.si.edu/physical_monitoring/research/panamacanalauthority>). Gatún West was not established until 1997, so measurements from Gatún were used to fill gaps in prior years. Precipitation was estimated using the following equations based on a regression: FTS = GAT\*1.1031 and FTS=GTW\*1.1266. More details regarding this equation can be found in the “Monthly summaries\_FTS.xlsx” file on the STRI physical monitoring website.

The file “sherman\_gap-filled.csv” contains the following data columns: Year, Month, Precipitation (mm), Precipitation Source, Temperature (°C), and Temperature Source. The Source columns indicate whether the data for each month came from the FTS crane or from the Gatún/Gatún West ACP stations.