

Manual Air Temperature Methodology

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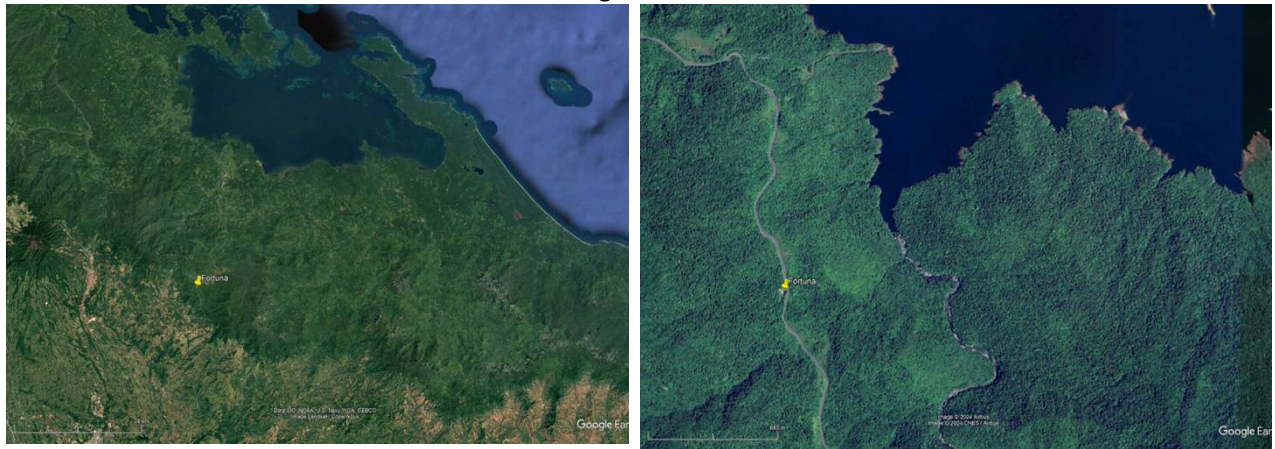
Fortuna Station (see Figure 1) air temperature has been measured manually using several different thermometers at several different locations (see Figure 2). Sensor and site change dates were not always recorded.

Monitoring history:

1. Initially, a simple max/min thermometer (see Figure 3, left) was deployed on a clothesline underneath the trees to the west of the main building.
2. At some point, possibly as late as 2015, the thermometer was moved to the bushes on the south side of the main building (see Figure 3, right).
3. A new instrument shelter was deployed in the small clearing to the north of the main building on Jan 1, 2016. A set of straight mercury/alcohol max/min thermometers were installed inside.
4. the original max/min thermometer was not moved to the new instrument shelter until April 1, 2016 in order to provide overlapping data for calibration purposes.

Temperature is recorded between 8:30 and 10:00am.

Figure 1.



Location of Fortuna Station

Figure 2



Location of Sensors

Figure 3.



Max/Min Thermometer (left) and deployment location until March 31, 2016 (right)

Figure 4.



New Instrument shelter and Max/Min Thermometers