**Dendro-Pi-Logger**

Program to take log dendrometer data

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\*\*This assumes you have already finished the normal raspberry pi setup\*\*

**Getting started**

**Copy scripts to Raspberry Pi**

**run the following command (without braces)**

*> scp -r {Path to File(s)} {Destination for copy}*

*Example:*

*> scp -r C:\Users\alanj\Documents\School\RaspberryPi\dendro-pi-main madlab@DorvalTest.local:~/*

*Recursively copies scripts from local computer to Pi.*

**Configuring Raspberry Pi**

**1. Connect to same network on computer that the raspberry pi is configured to connect to**

**2. If on PC, open the command prompt / Windows PowerShell,**

**SSH into raspberry pi by running the following command (without braces)**

*> ssh username@{hostname}.local*

*EXAMPLE: ssh madlab@DorvalTest.local*

When prompted for password: input Password from OS Customization

*EXAMPLE: Aspen2022*

**3. Run the following command to configure the Raspberry Pi**

*> sudo apt-get update*

**4. Install pip (if not already installed):**

*> sudo apt-get install python3-pip*

**5. Create a Virtual Environment**

*> python3 -m venv myenv*

*Activate the Virtual Environment:*

*> source myenv/bin/activate*

**6. Install necessary libraries:**

*> sudo apt-get install libopenblas-dev*

*> pip install adafruit-circuitpython-busdevice adafruit-circuitpython-ads1x15 numpy*