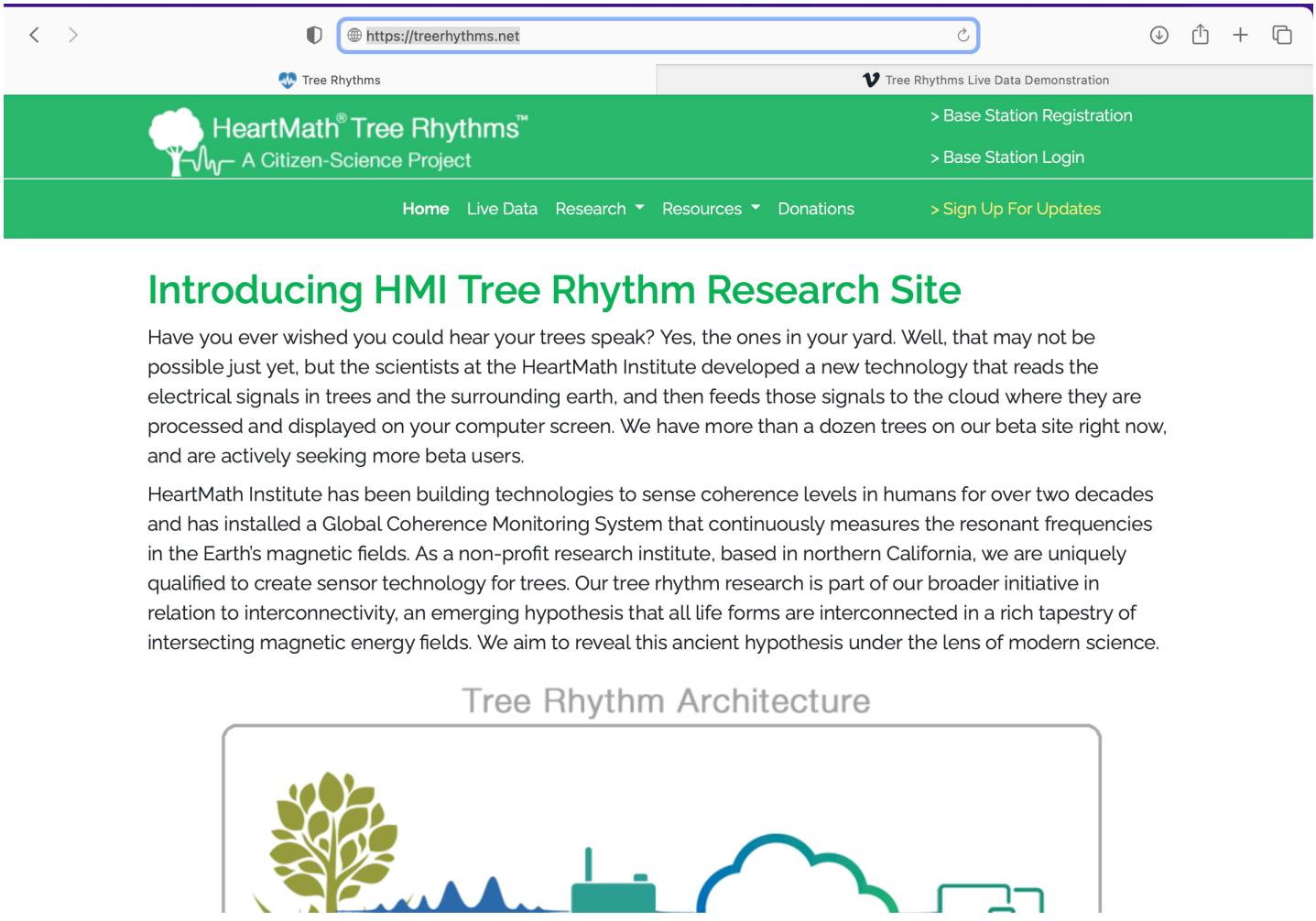
Introduction to Getting Tree Graphs

In your browser - Fox, Safari, Chrome, Explorer, etc. - put the address, https://treerhythms.net/, or simply click on this link to open your default browser and take your to the website.

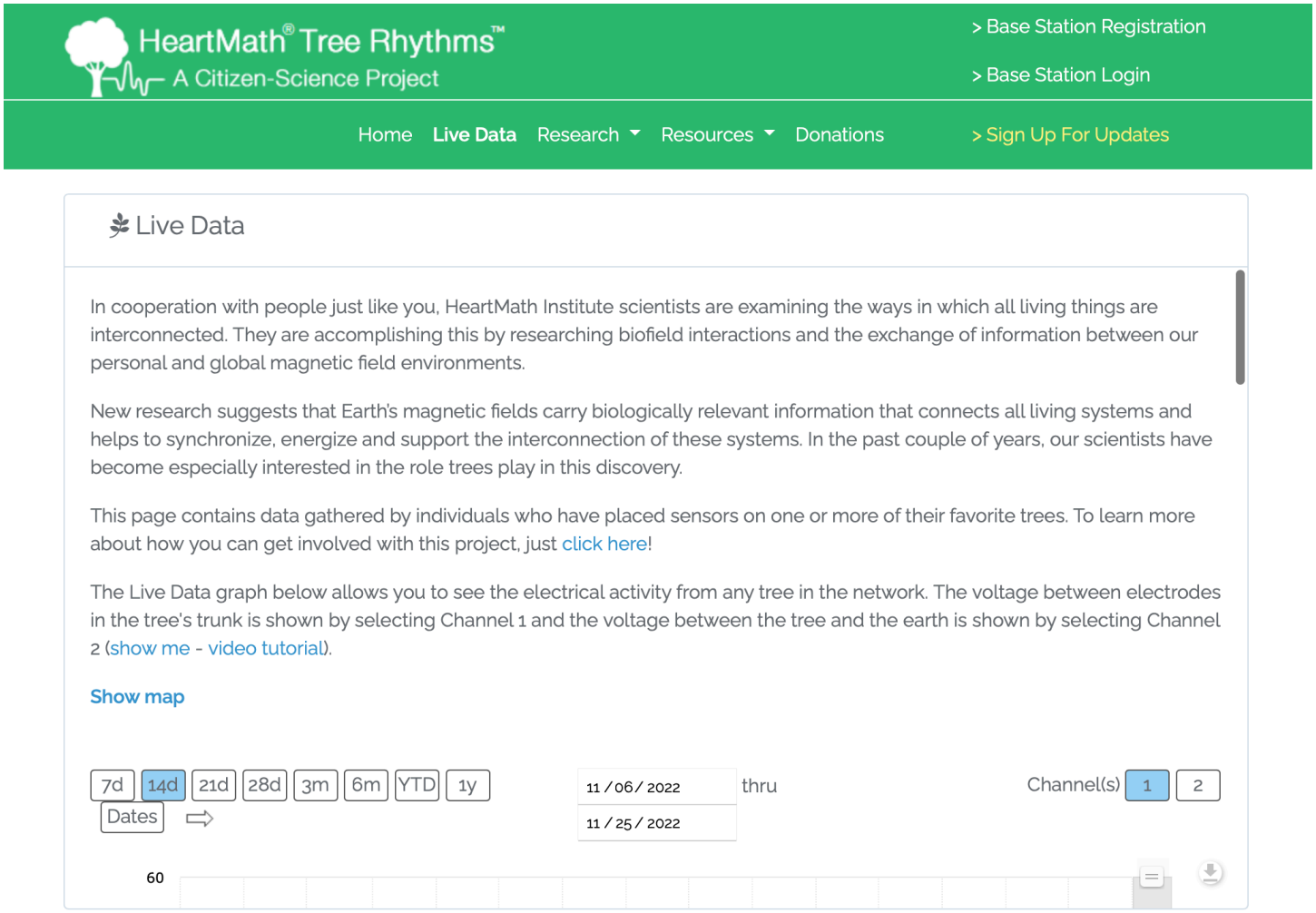
You should see the home page of the site shown in part by the picture below.



This gives you an introduction to the project.

On the bottom line of the green bar you see, “Home Live Data Research Resources Donation”. When you click on one it takes you to a new page. “Home” brings you back to this page.

Clicking “Live Data” takes you to the graphing page the top of which is shown below.



At the bottom you can set the period of time you want to look at.

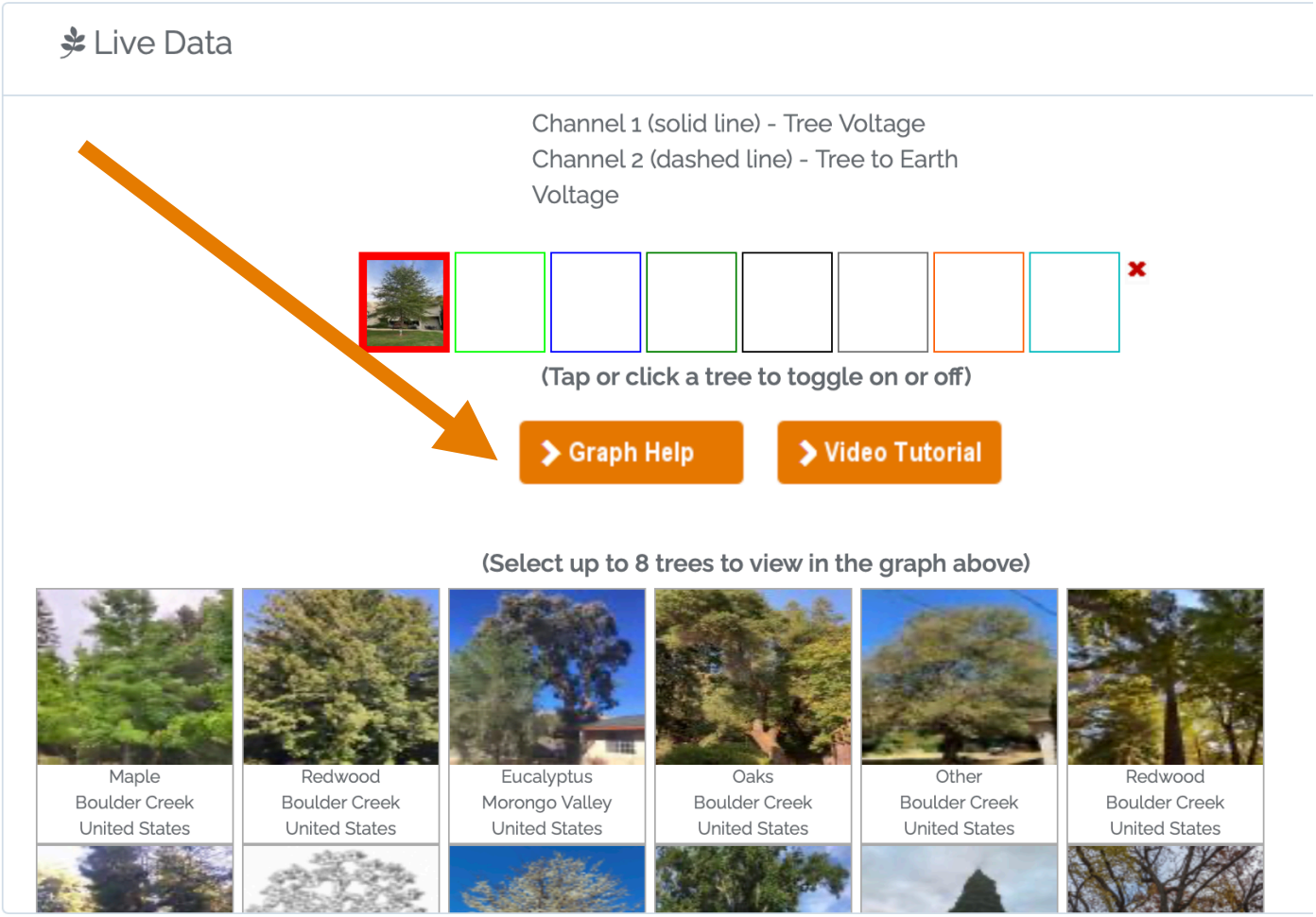
On the left you have icons for recent time periods. Below that you can choose “Dates”, then to the right you can specify the beginning day and the final day. In general, the shorter the time the better able you will find it to see differences in the graph. On the other hand it is good to see a day or more on each side of the period of interest.

At the right are two channel icons. One shows the variation in voltage between two points on the tree, and the second shows the tree to ground variation. For simplicity and because you can

see more I suggest that you concentrate on channel one.

The picture below shows more of the same page.

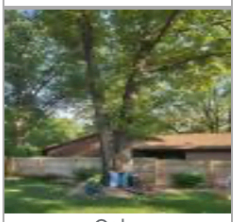
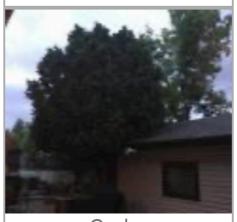
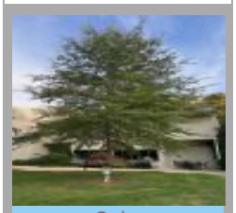
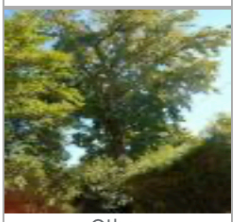
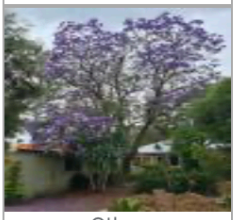
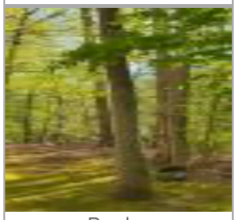
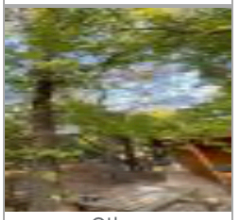
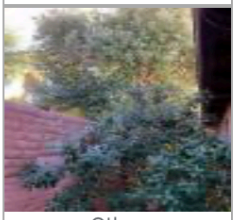
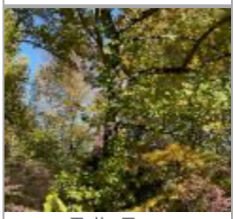
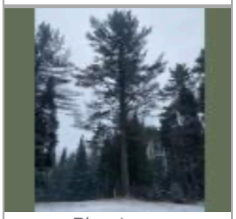
Note: The two orange icons. You may find these icons lead to material that is easier to understand and even more informative than this document.



The first row of squares shows selected trees. The bold boarder indicates include that tree is to be included in the graph. Here we have only one tree graphed.

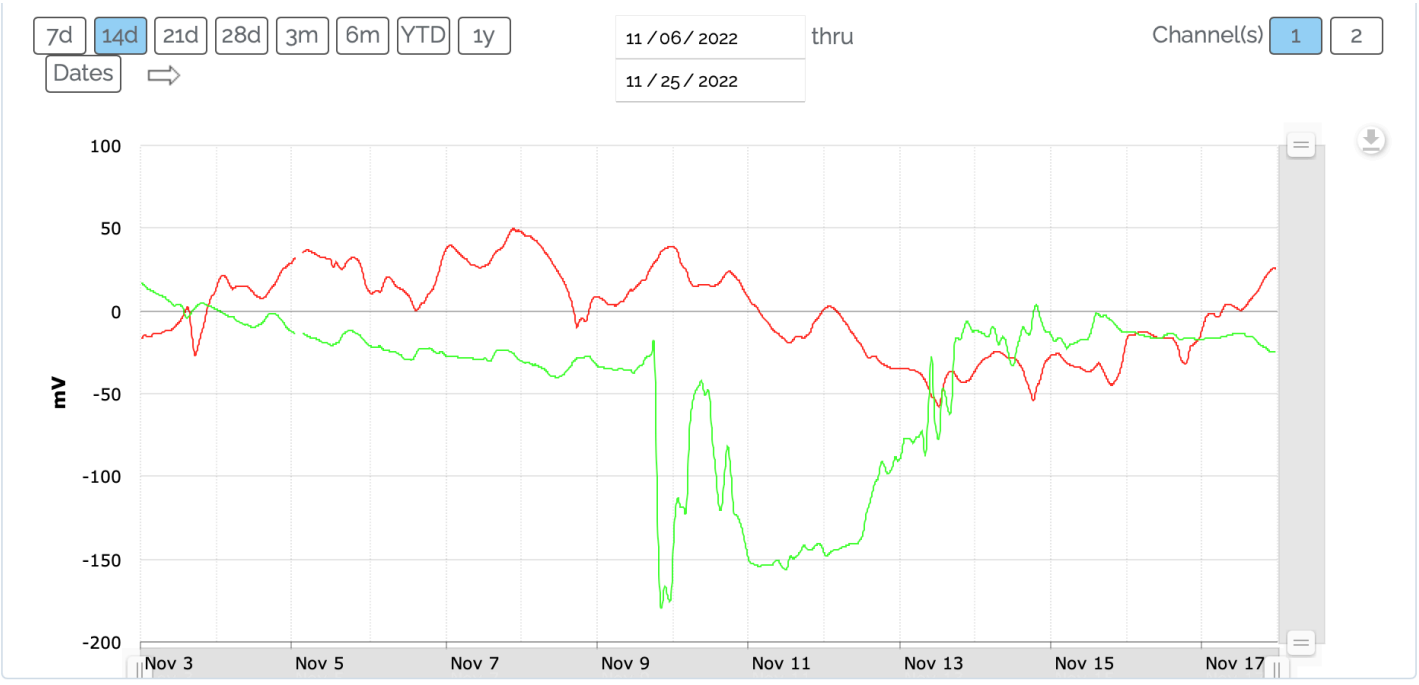
To add more tree graphs in a composite picture, click on the required picture in the set of tree pictures shown below. When the desired picture is added the boarder is not bold. Clicking on the selected picture toggles between bold (in graph) and not bold (selected but not in graph). Similarly, clicking on the pictures below acts as toggle switch - choose or remove from the chosen list.

Note: The picture below has our tree, currently second from the end in the fourth row, with bold outline and text with a blue background to show it has been chosen for the list.

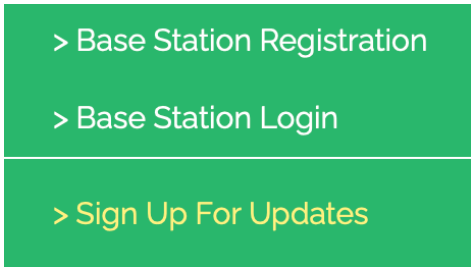
Other Louisville, CO United States	Redwood Scotts Valley United States	Cypress Antigua Guatemala Guatemala	Ash Michoacán Mexico	Maple Kingfield United States	Redwood Louisville United States
 Oaks Godfrey United States	 Cedar Edmonton Canada	 Oaks Santa Clarita United States	 Maple Charlotte United States	 **Oaks Kennett Square, PA United States**	 Other Chico United States
 Other Fremantle Australia	 Poplar Springfield United States	 Oaks Alameda United States	 Other Muğla Turkey	 Other Muğla Turkey	 Other Tucson United States
 Tulip Tree	 Other	 Pine tree	 Spruce	 Oaks	 Pine tree

The resulting graph, shown below, shows our tree (tree to tree) four the last 14 days from November 17, 2023.

Now adding an oak from Houston TX we get the graph below.



Note: The graph looks very different because the vertical scale was changed to include the green graph. There is no way to have a fixed standard scale when looking at different times because the scale is always chosen to make the complete graph fit in a fixed sized space on the screen.



Finally I return to Betsey's screen. There are several icons at the top right of the green bar on the home page. Betsey has often showed a screen with three graphs, the third being temperature. This comes from logging in to the page for the tree, which is password protected for the tree's owner. In all cases except ours there is only one owner, so there is no need to provide access for more than one person. If you feel a strong need to see our page then you can talk to Betsey and possibly make some special arrangement. I have avoided using that page, while the temperature is one of the most important considerations, it comes at the cost of degrading the graph that you want to compare with the temperature.