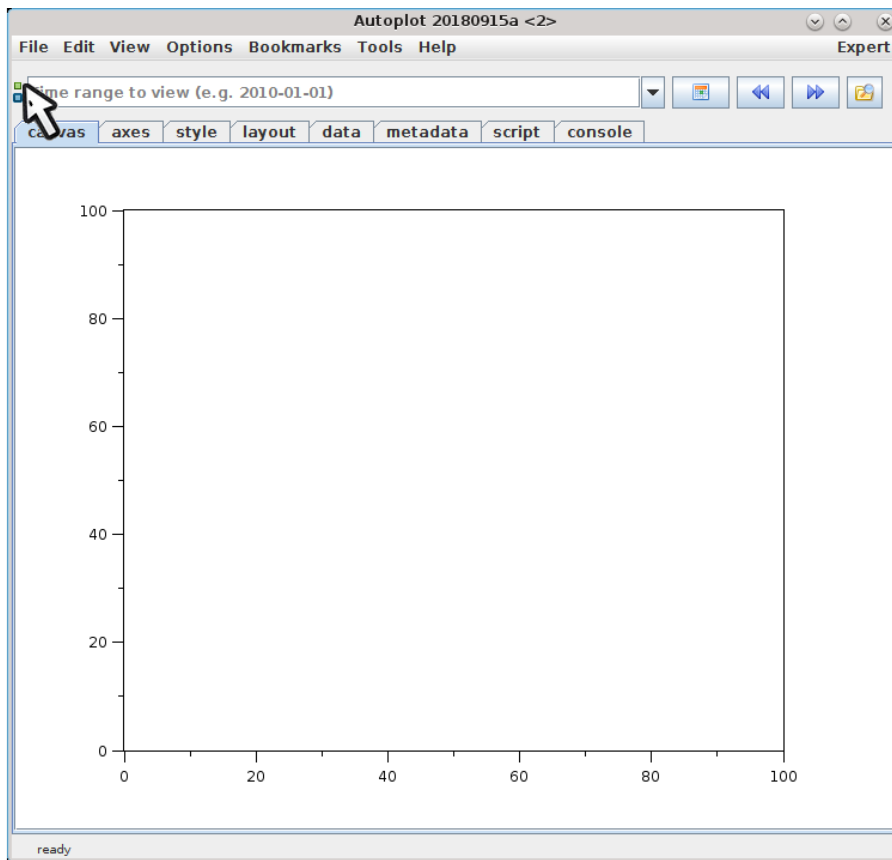
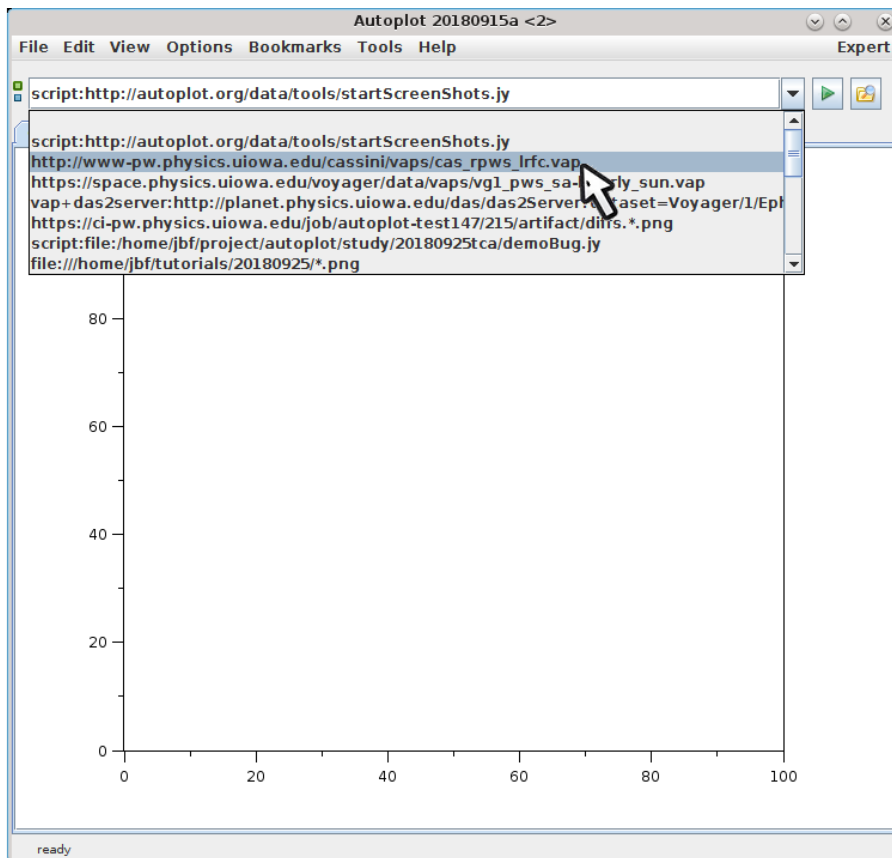




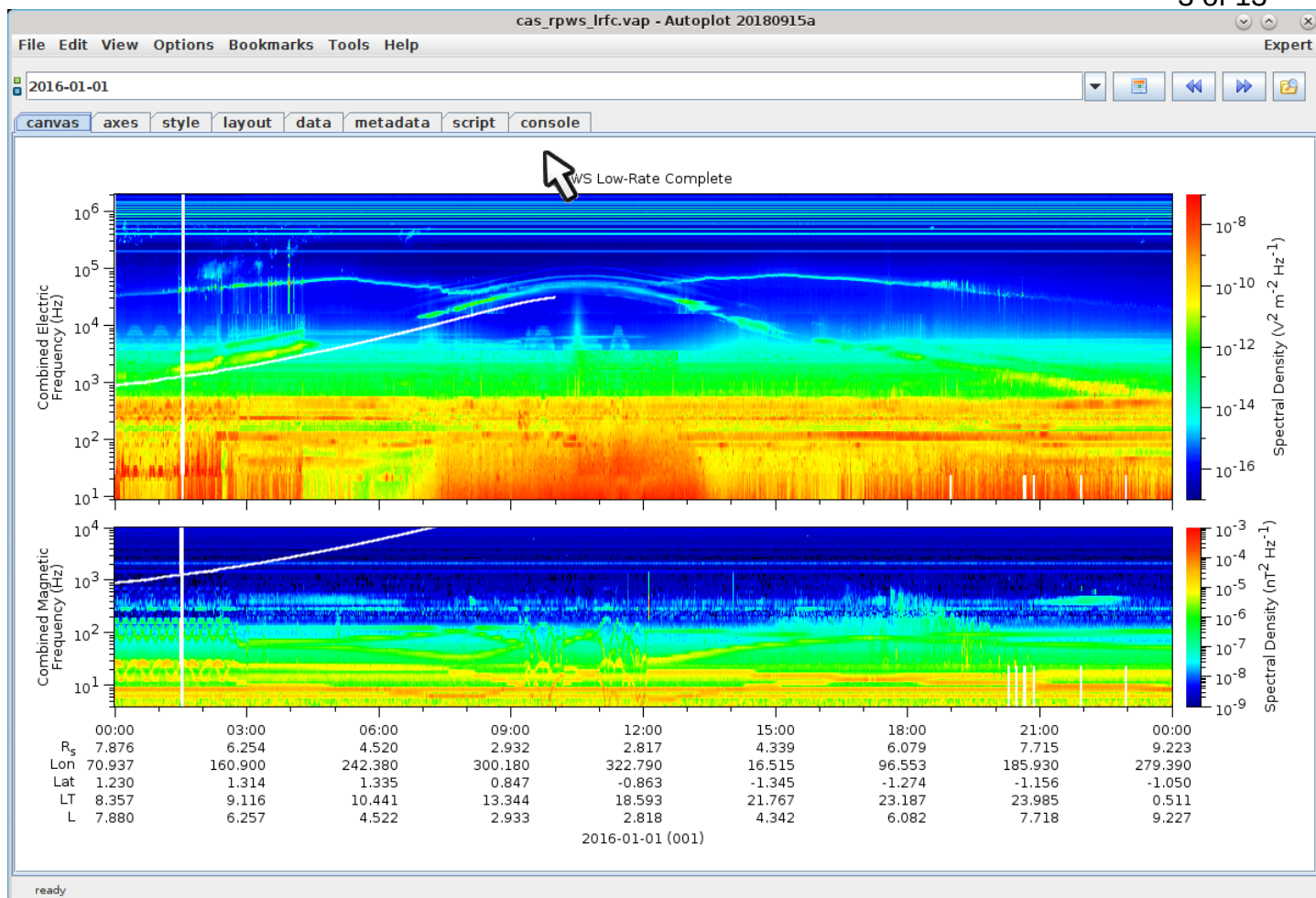
The goal is to export data from the ephemeris ticks to a format we can use in IDL, Matlab, or Python.

file:/home/jbf/tutorials/20180926a/20180926_193540_200_00501.png



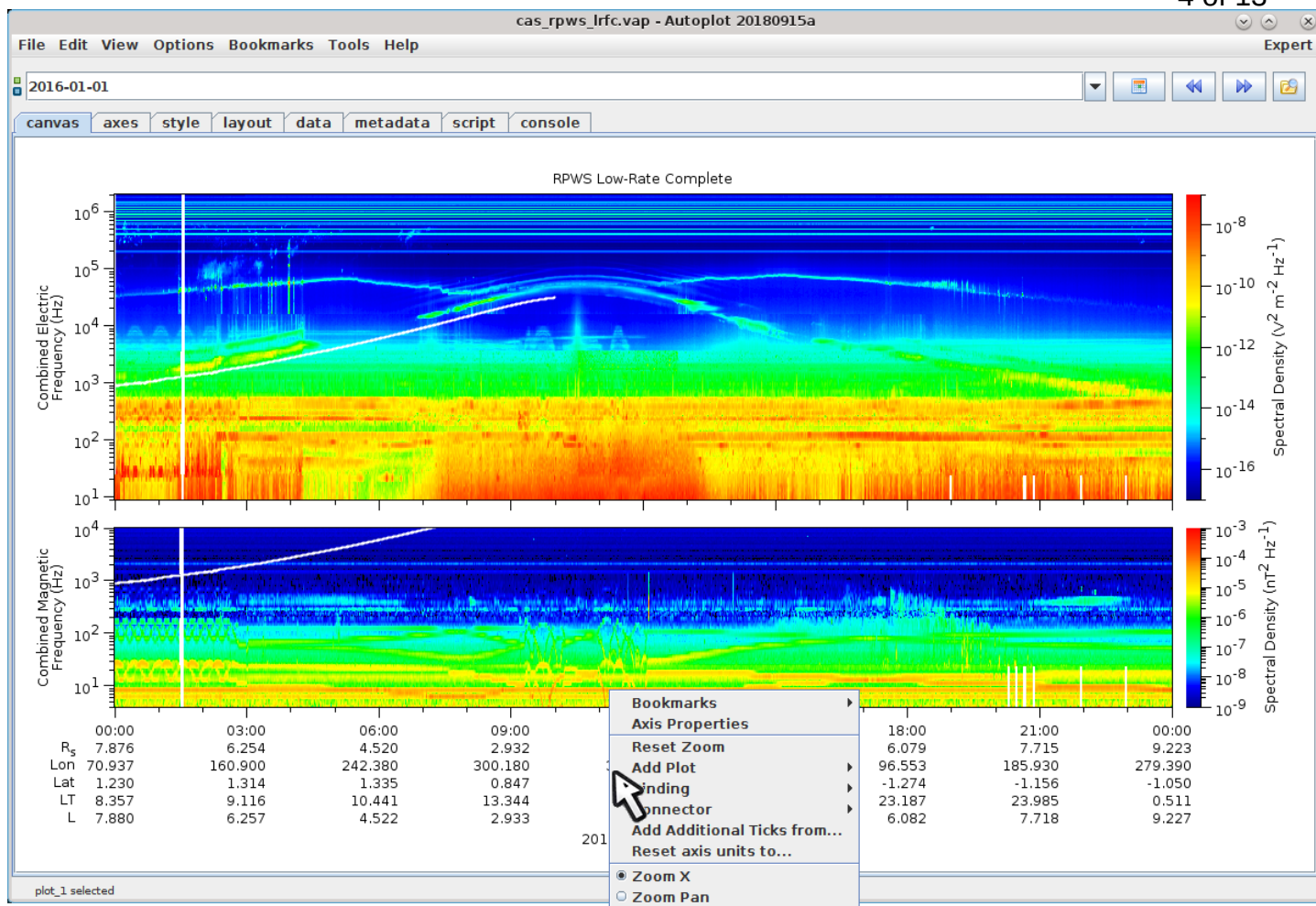
First load a .vap which has the ephemeris values you want.

file:/home/jbf/tutorials/20180926a/20180926_193542_952_00501.png



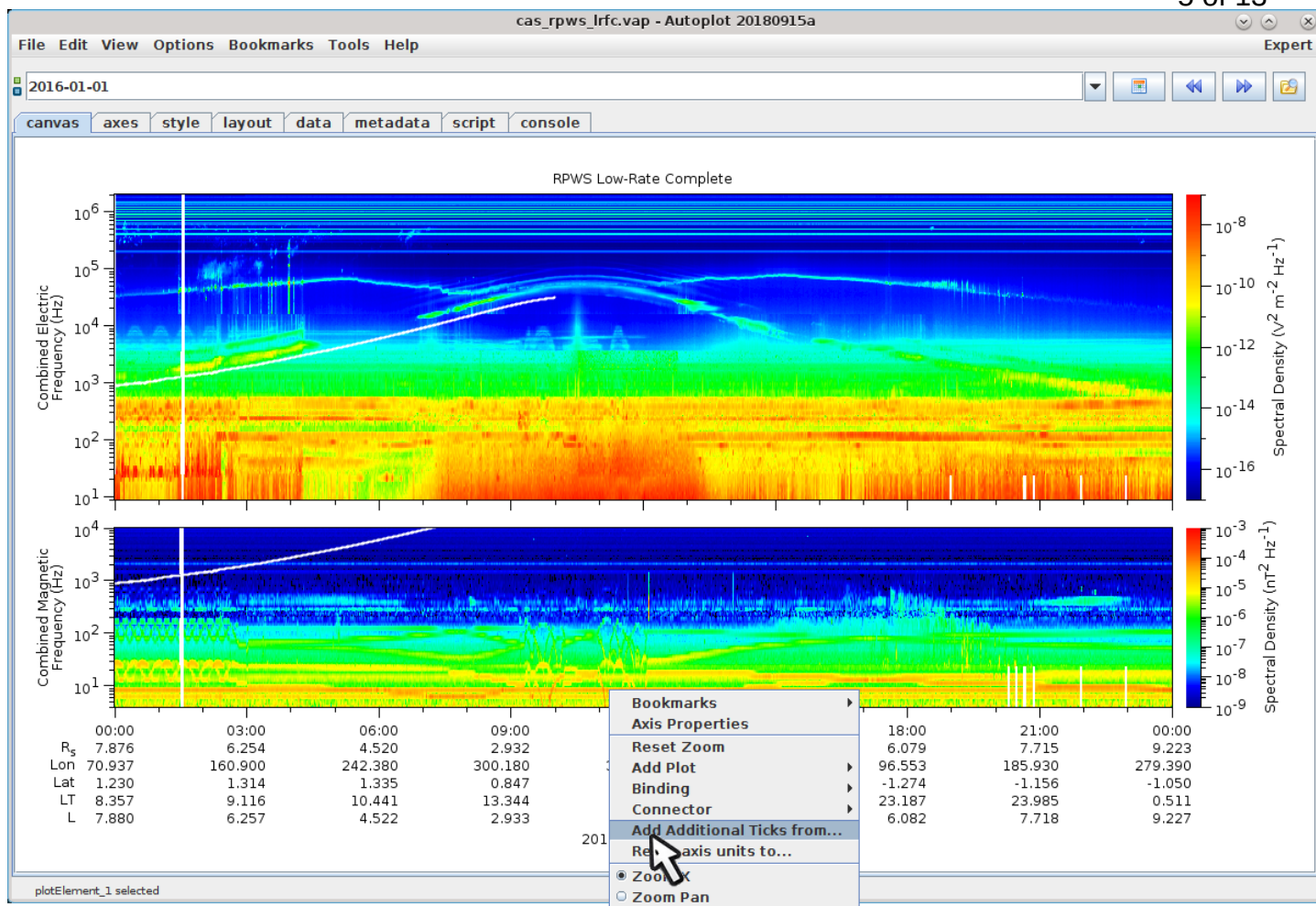
The data is loaded and the ephemeris data you want is on the x axis.

file:/home/jbpf/tutorials/20180926a/20180926_193548_853_01200.png

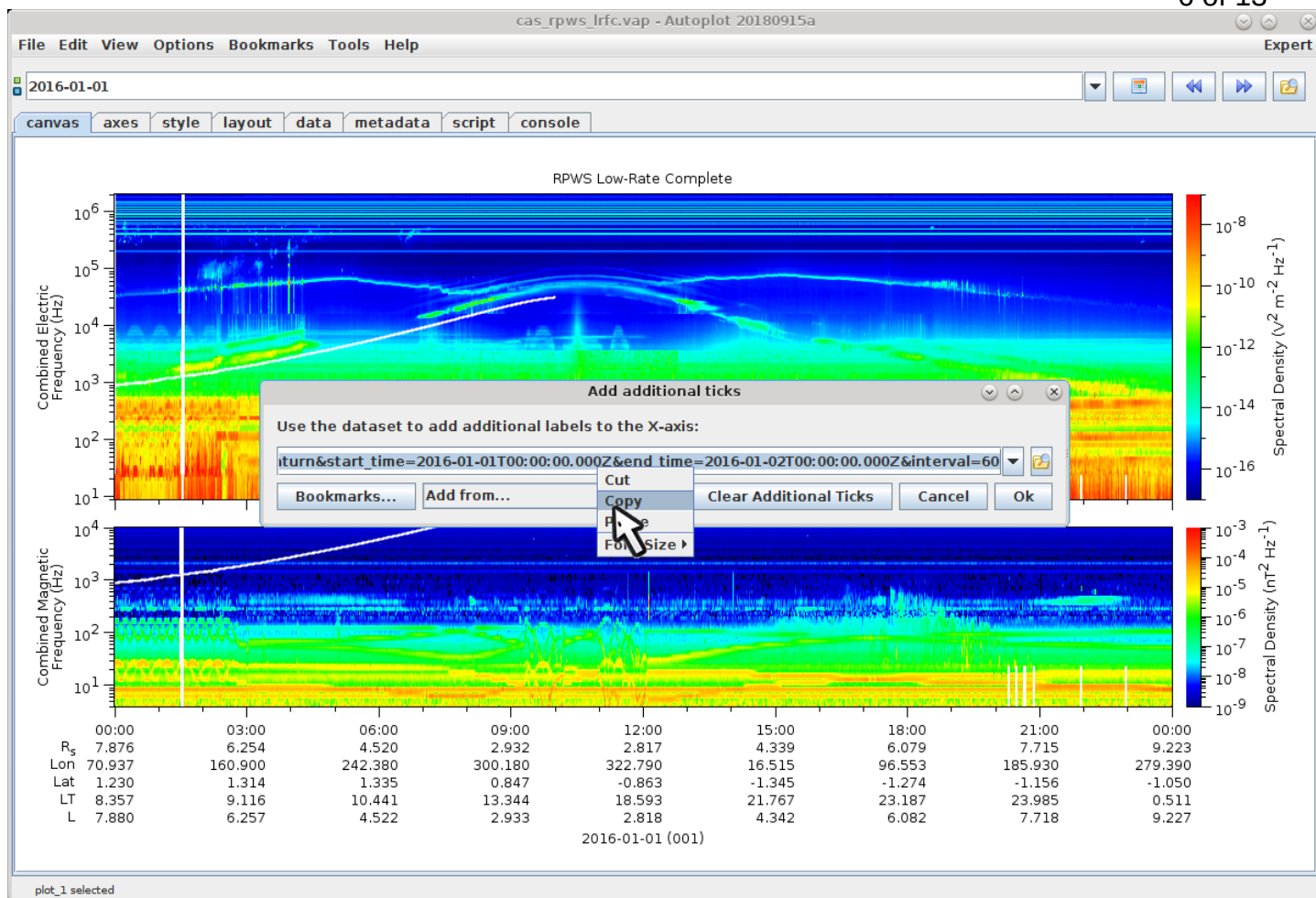


Right-click (or meta-click) on the axis...

file:/home/jbtf/tutorials/20180926a/20180926_193553_725_00505.png

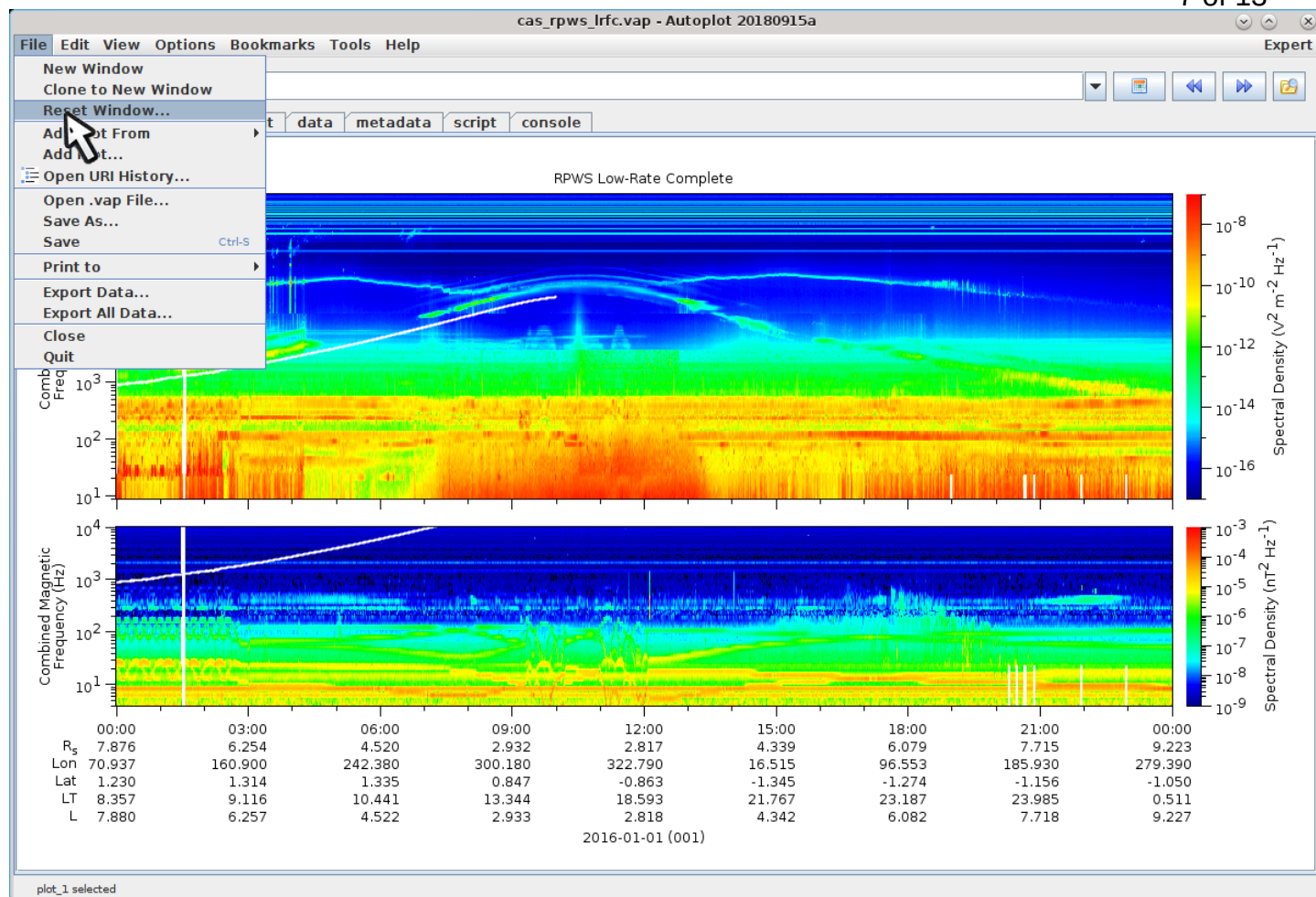


...and select "Add Additional Ticks From..."



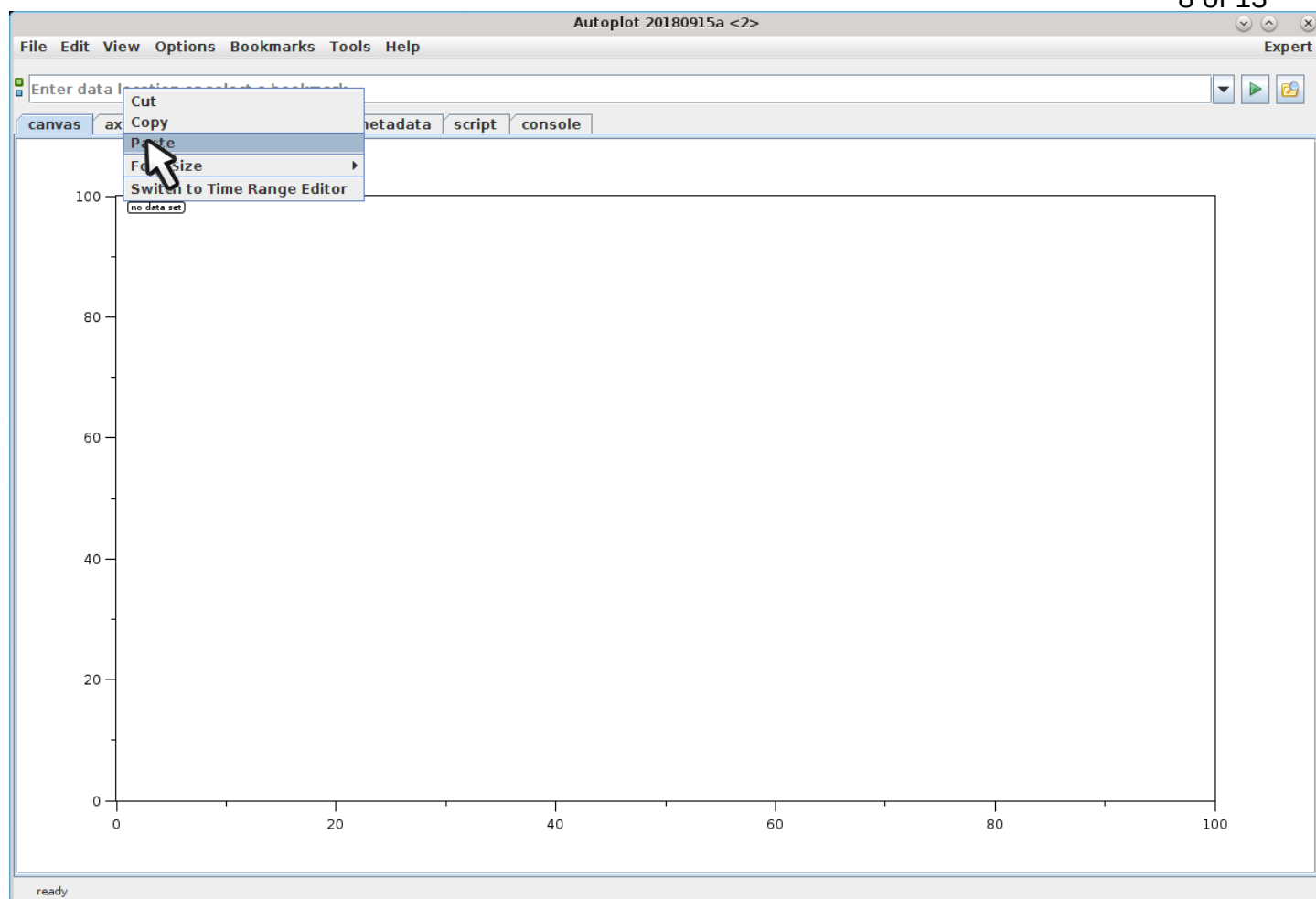
This shows the data URI which we want to load. This can be plotted like any other URI, so copy it into the desktop clipboard.

file:/home/jbf/tutorials/20180926a/20180926_193602_469_00501.png



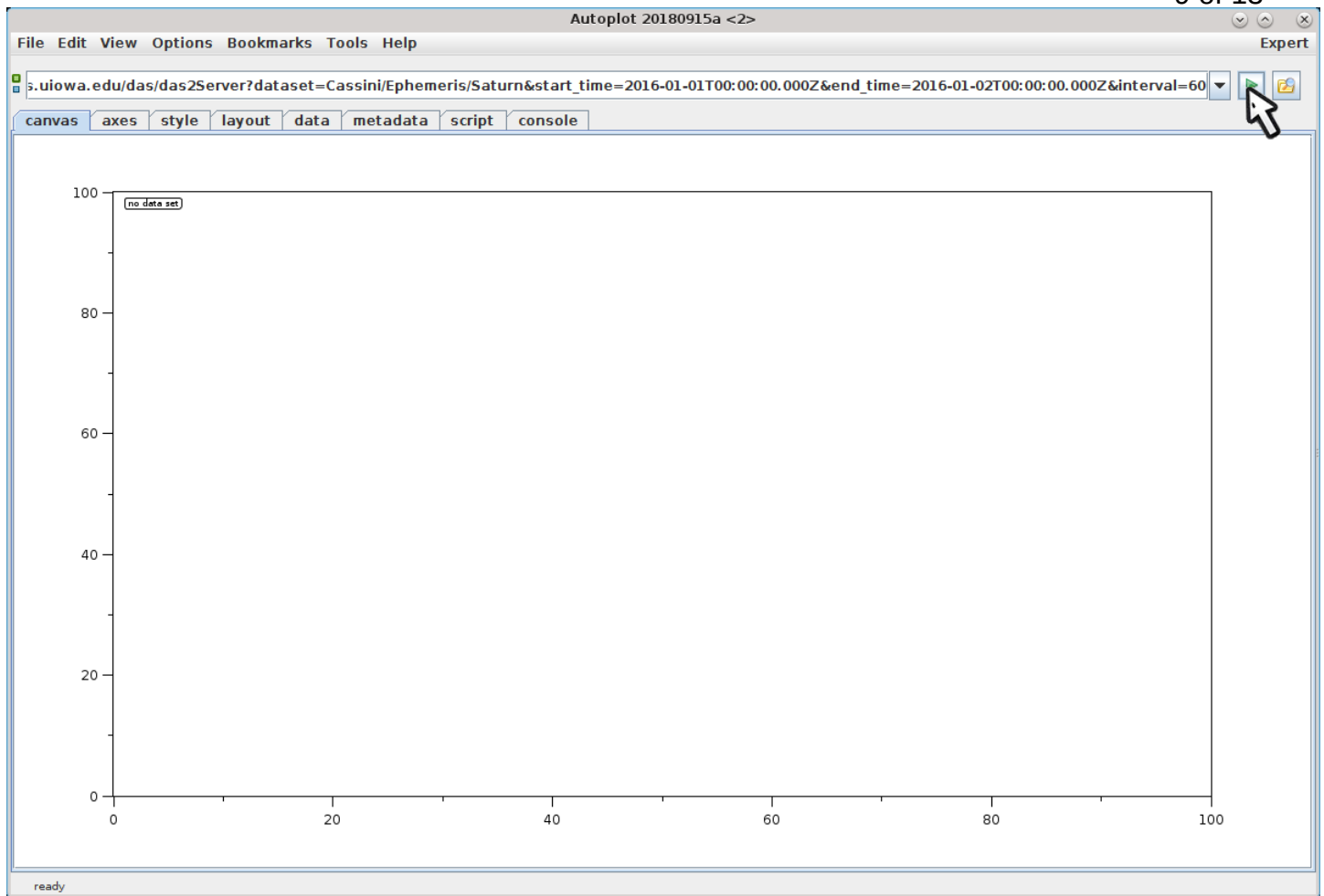
Dismiss the dialog and reset the window.

file:/home/jbfb/tutorials/20180926a/20180926_193607_300_99999.png



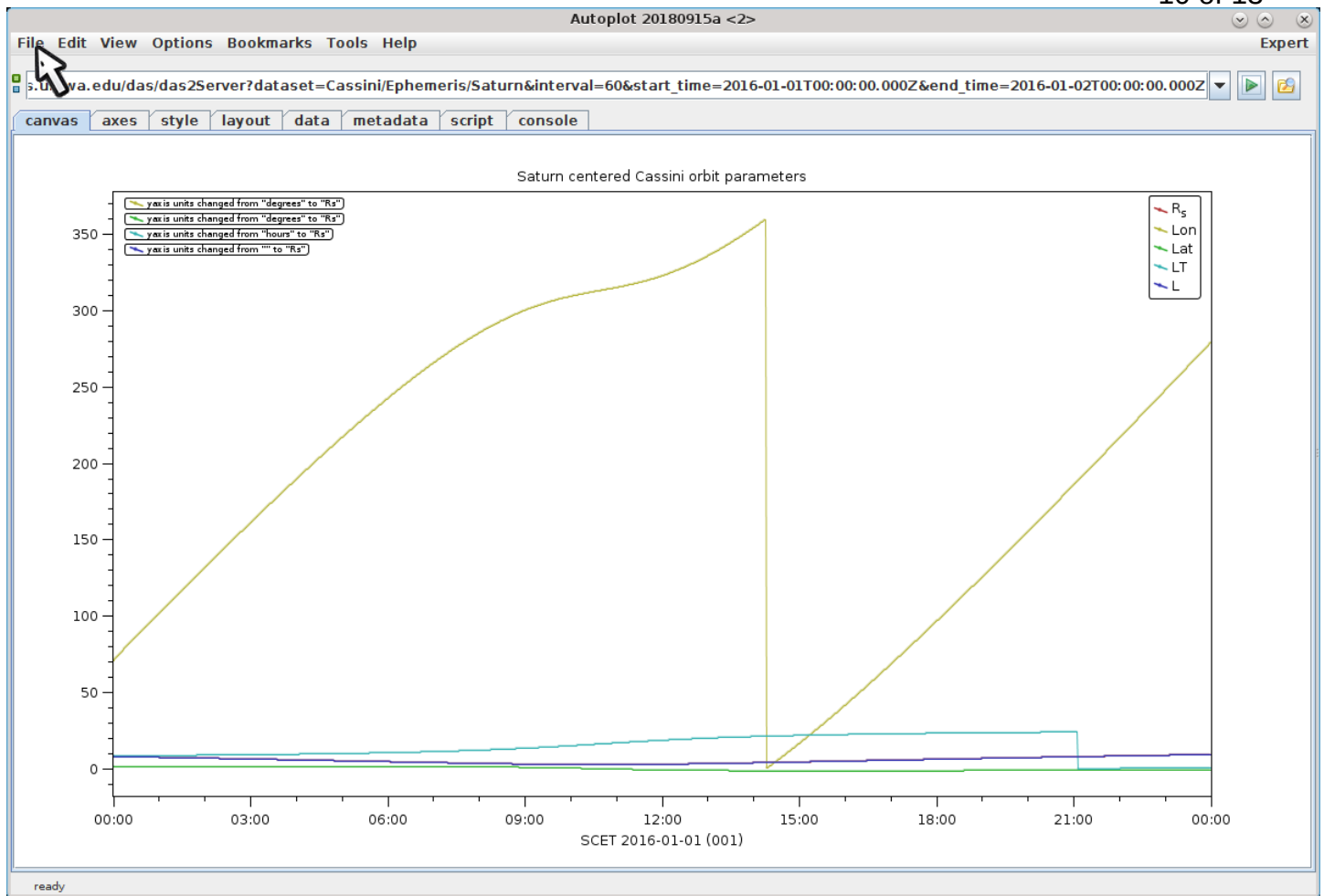
Now paste the URI into the address bar to load the ephemeris data.

file:/home/jbf/tutorials/20180926a/20180926_193617_924_99999.png



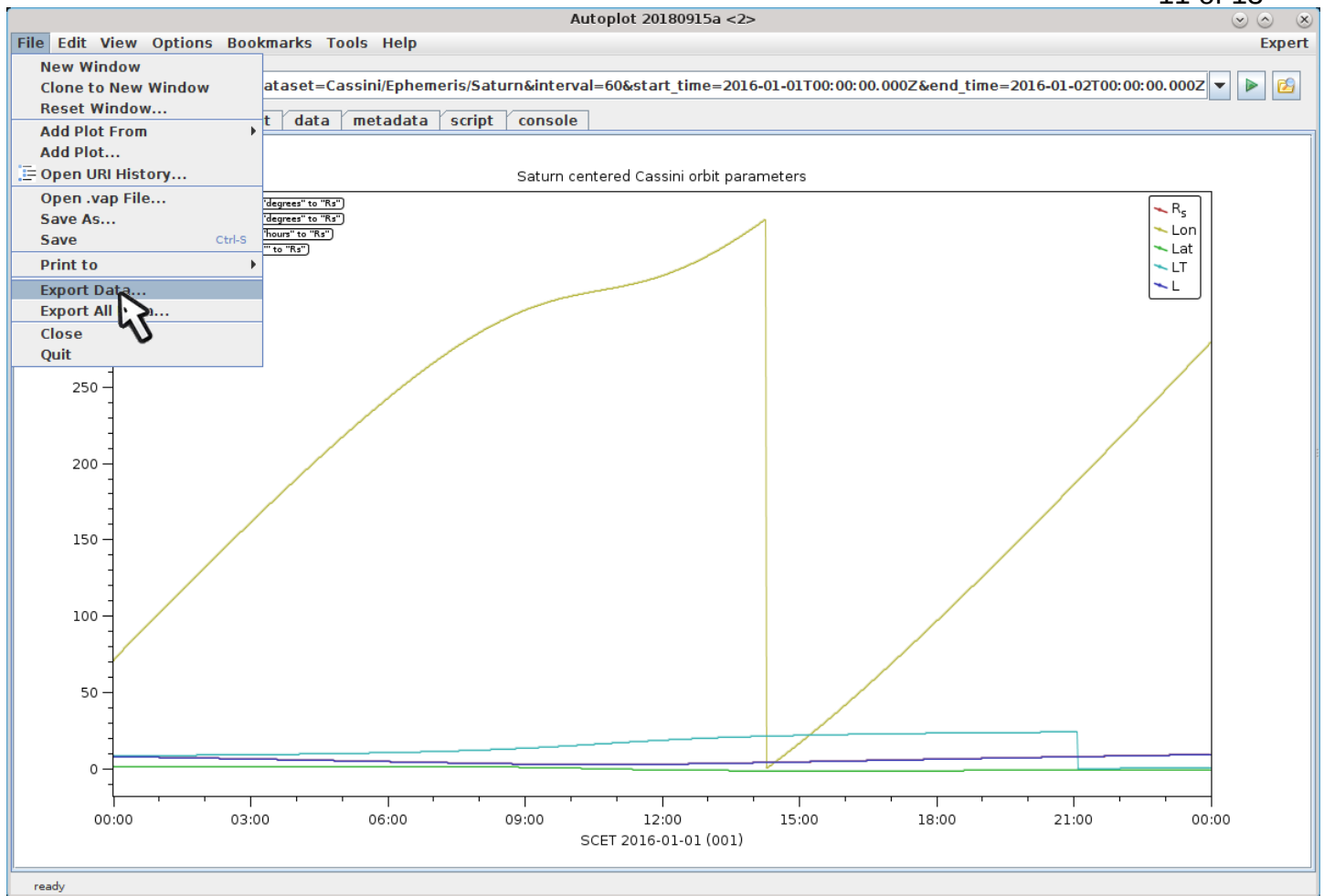
And plot it...

file:/home/jbf/tutorials/20180926a/20180926_193619_842_00501.png



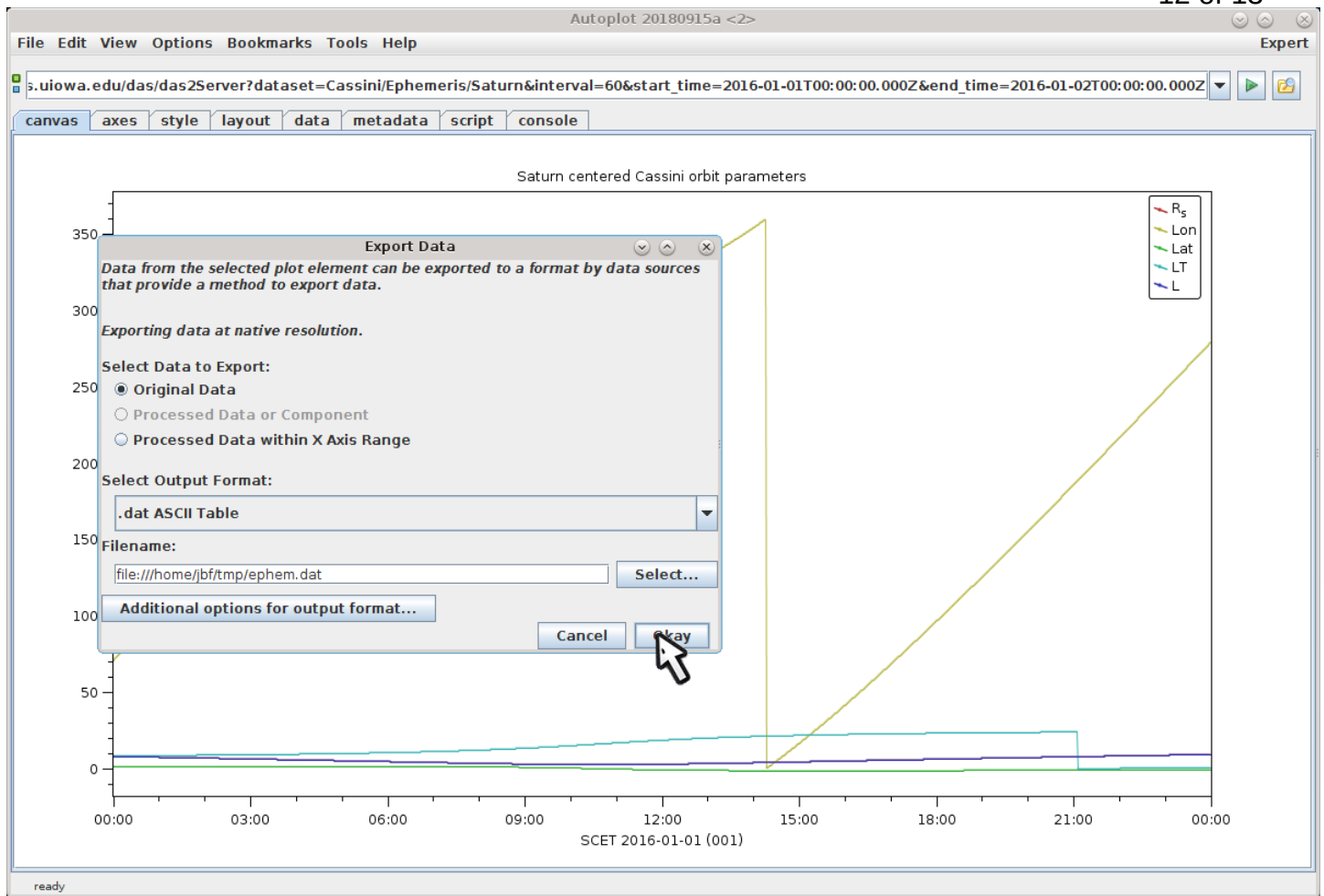
The data is plotted, and we will now export it to an ascii file.

file:/home/jbpf/tutorials/20180926a/20180926_193624_958_00501.png

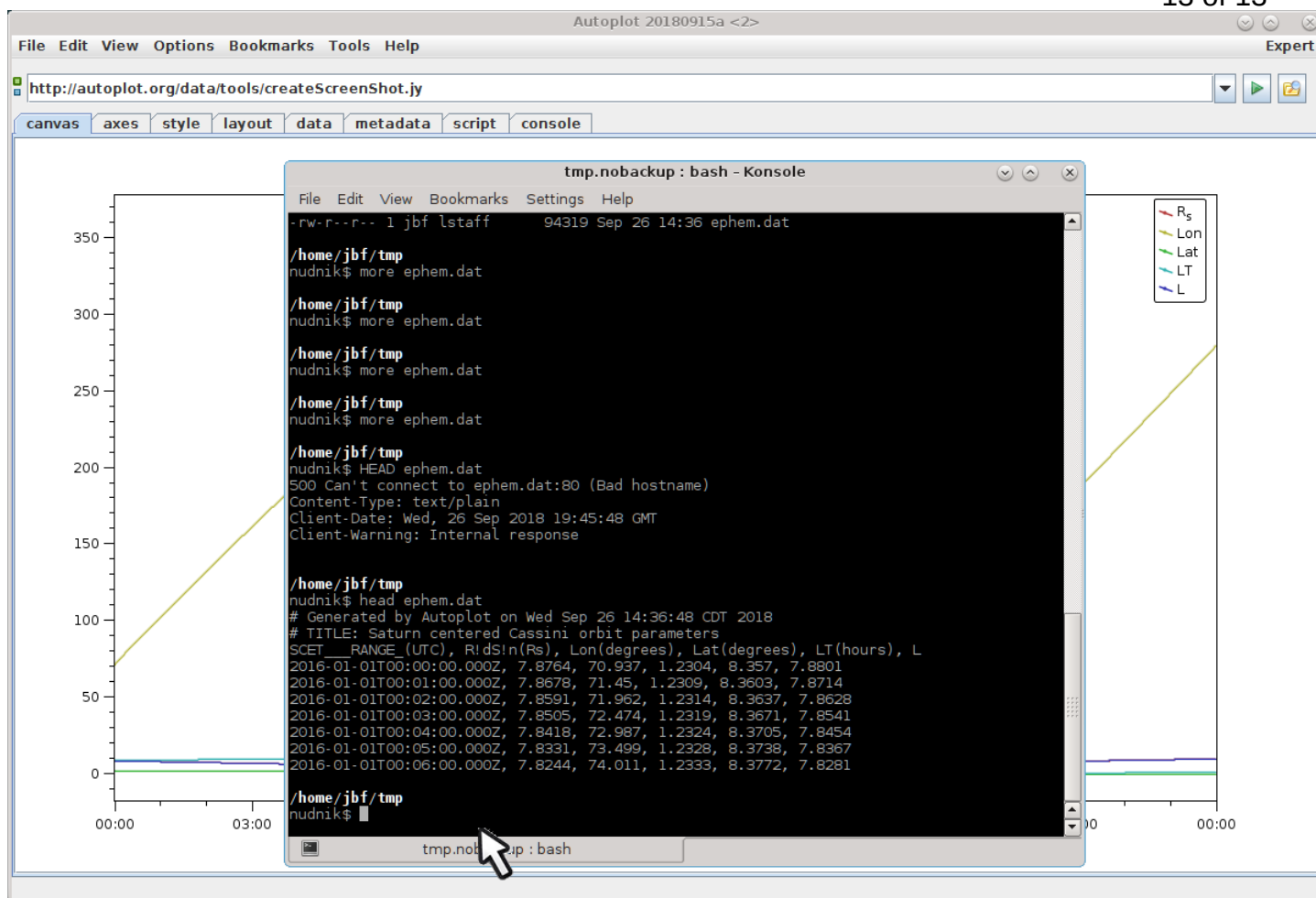


Export Data...

file:/home/jbf/tutorials/20180926a/20180926_193627_193_00501.png



Select the .dat type and the filename.



You can see the exported file.

file:/home/jbf/tutorials/20180926a/20180926_194611_000_00000.png