

RESEARCHTOOLS 2011 LECTURE 15

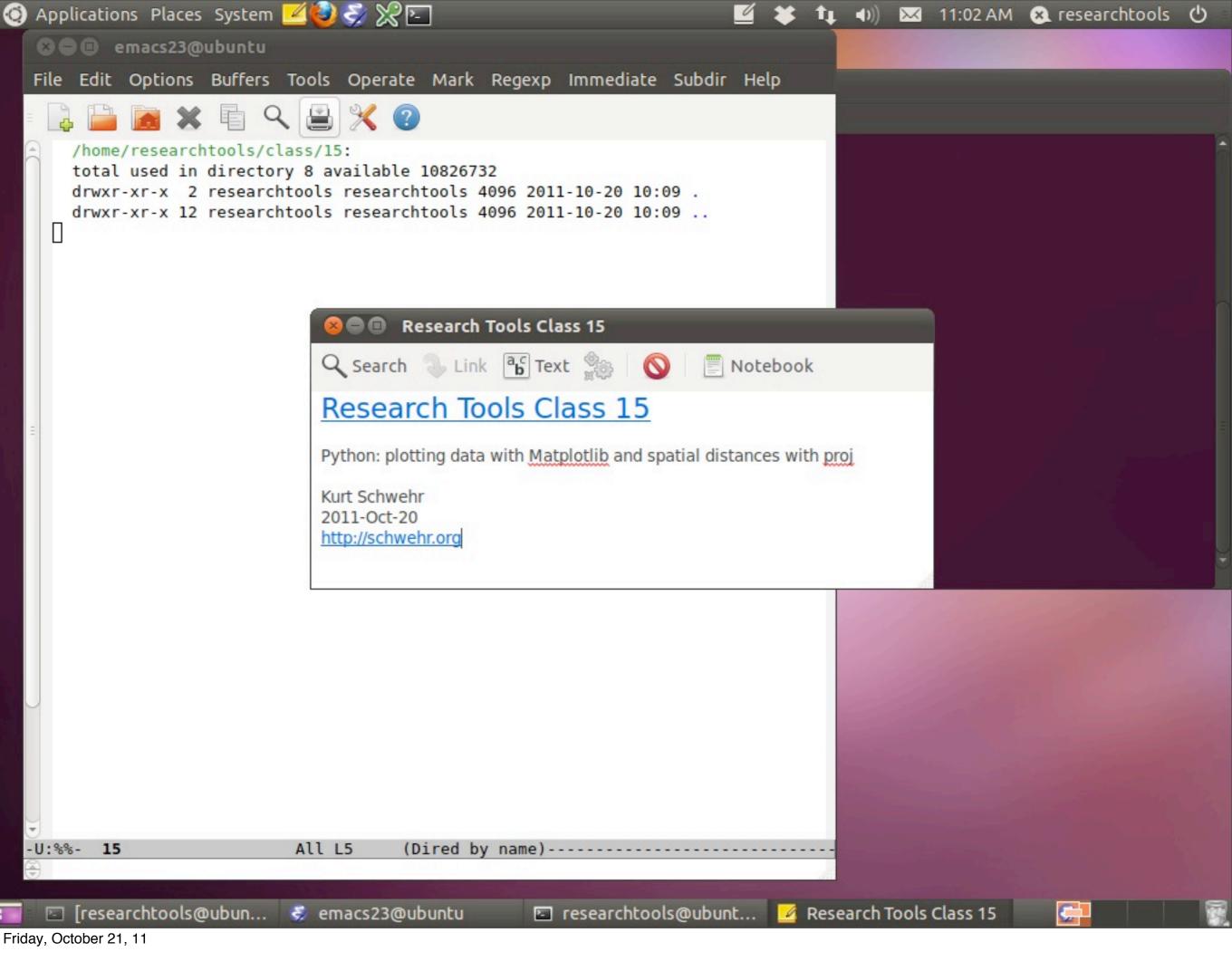
2011-Oct-20 Kurt Schwehr http://schwehr.org

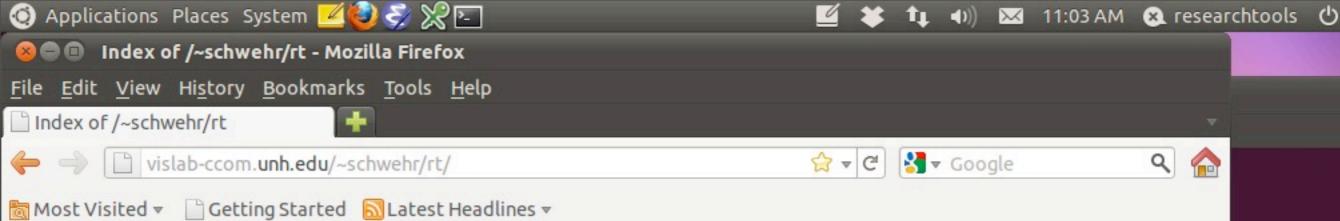
UNH CCOM/JHC
Python: Matplotlib part I



Friday, October 21, 11

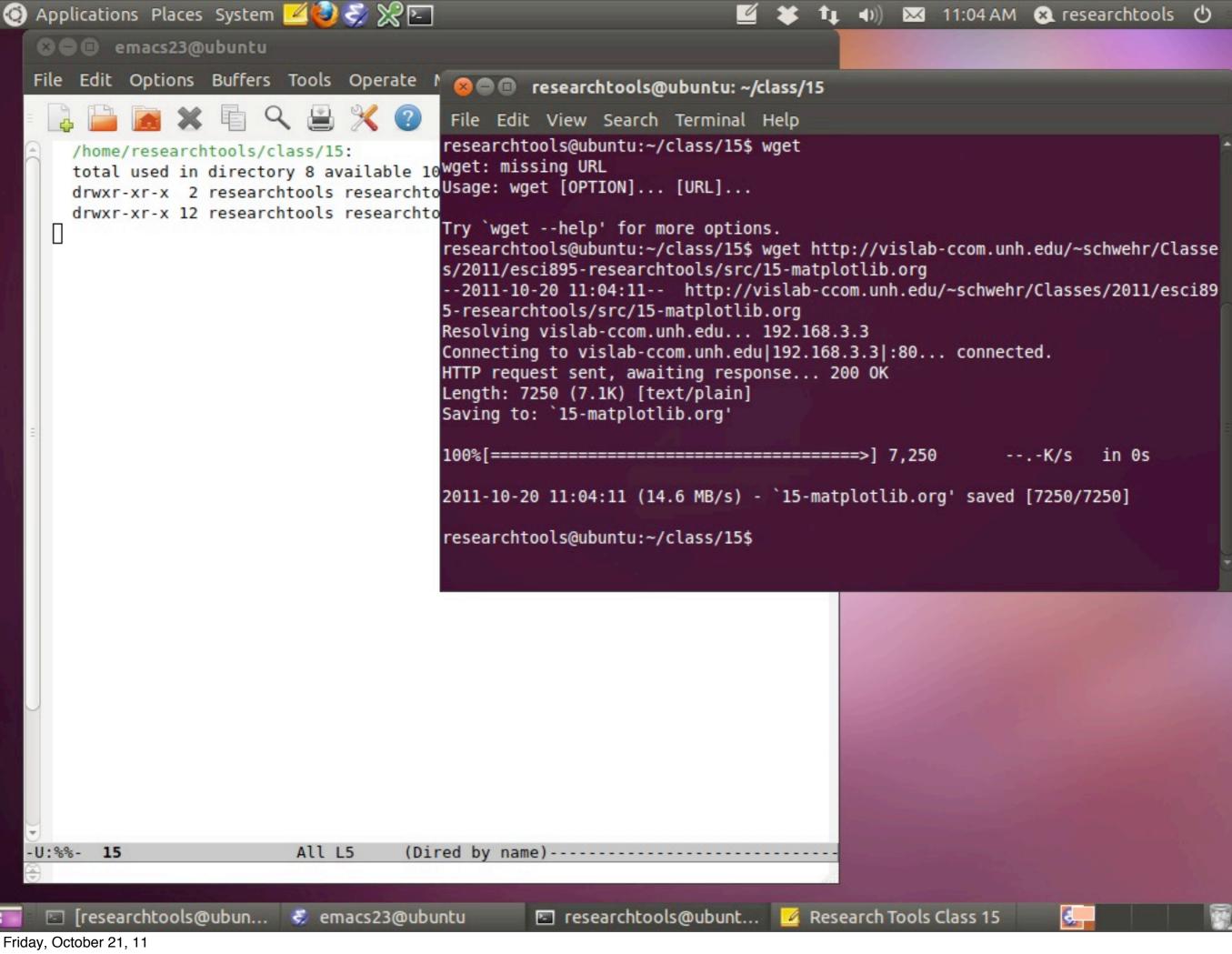
http://vislab-ccom.unh.edu/~schwehr/Classes/2011/esci895-researchtools/ http://creativecommons.org/licenses/by-nc-sa/3.0/

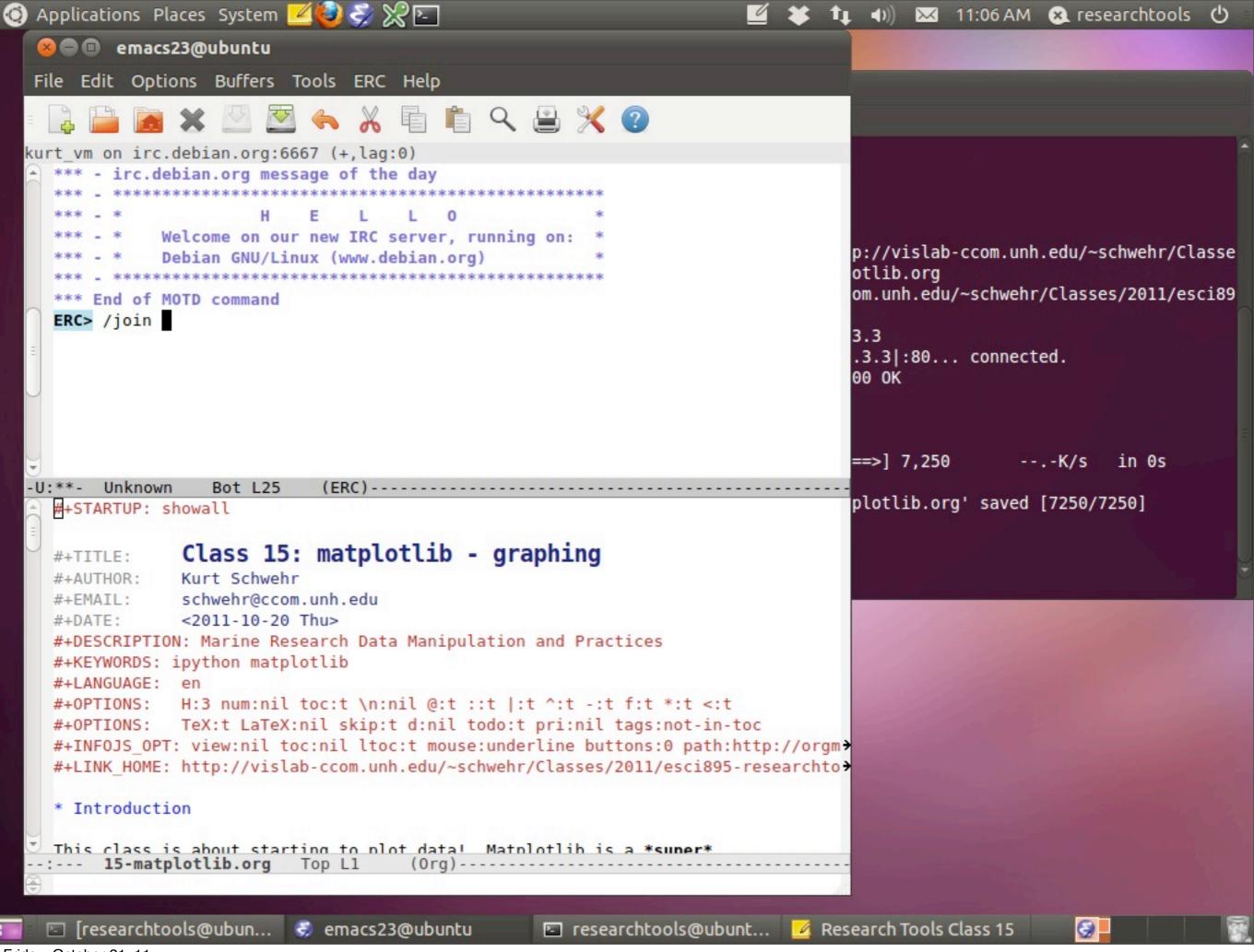


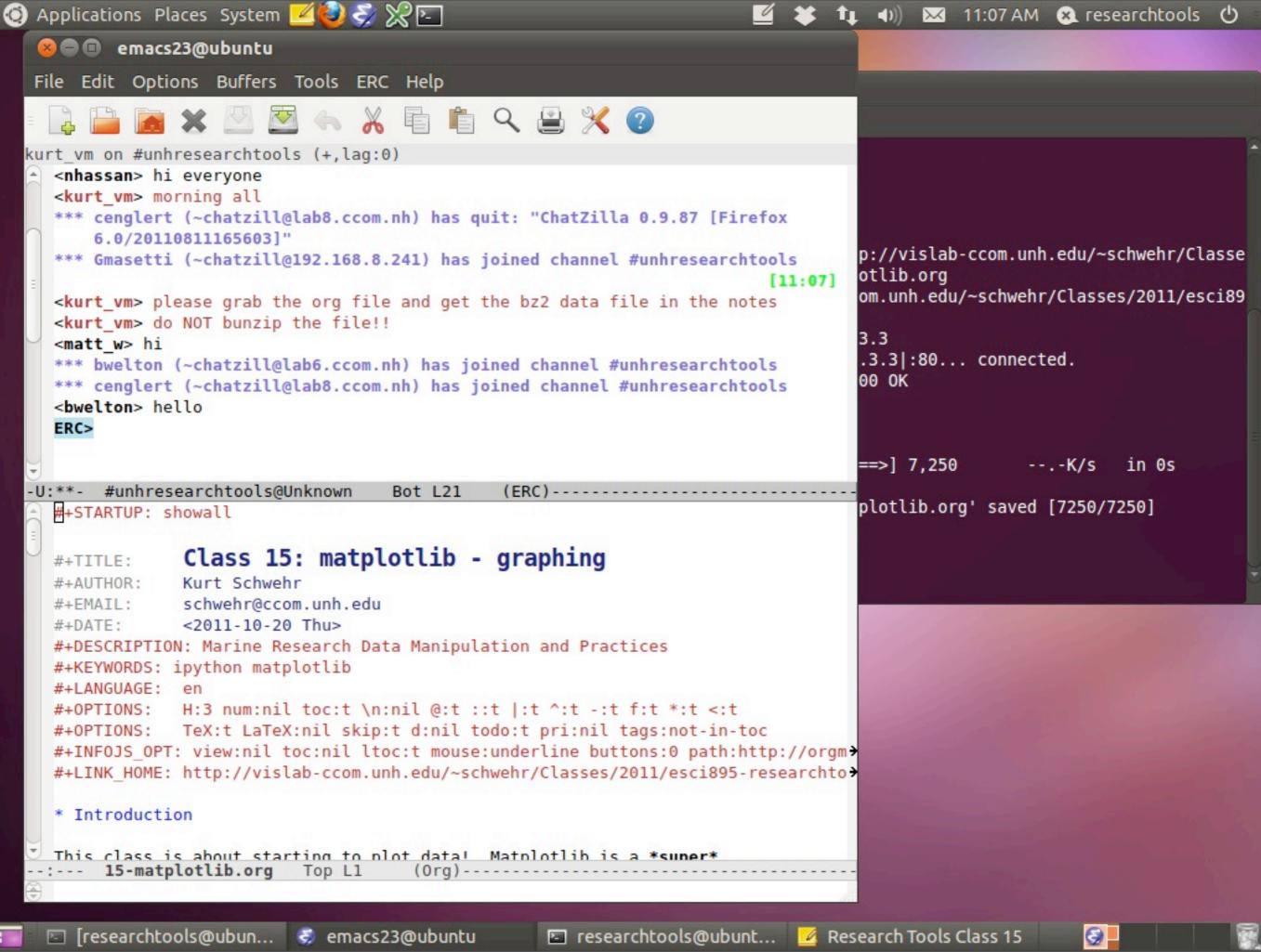


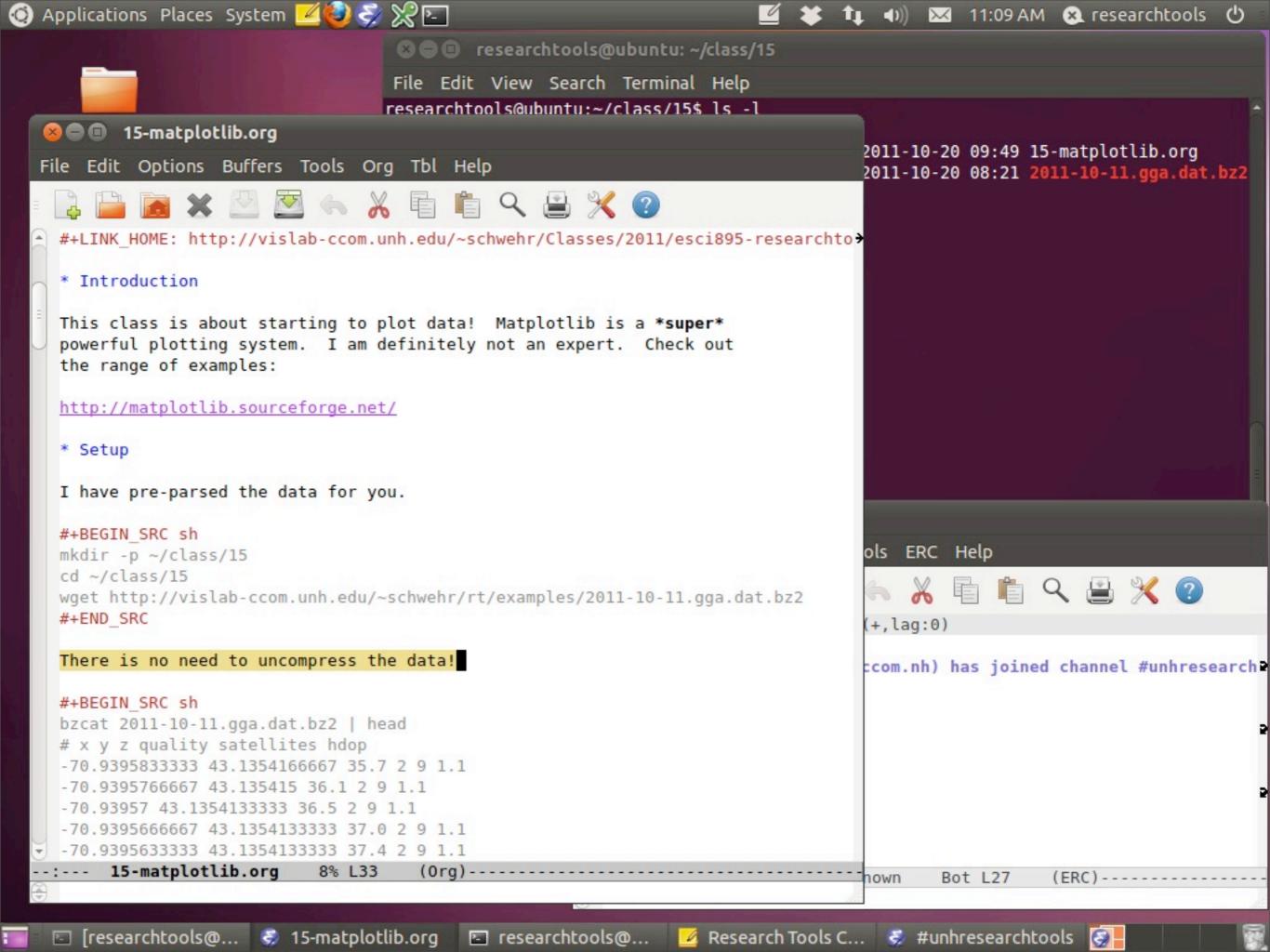
Lectures:

No.	Date	Title/Notes		Audio	Present	Video	Blog
15	2011-10-20	Python: Matplotlib [org	Open Link in New Tab				
14	2011-10-18	Python: parsing GPS da		V	pdf key		
Rd 1	2011-10-13	NOAA - Making Wave	Save Lin <u>k</u> As Sen <u>d</u> Link	<u>o3</u>	txt		
Vid 13	2011-10-15	Python part 6 - parsing			pdf key	YouTube H264	
13	2011-10-13	Python: if, while, functi		<u>o3</u>	pdf key		comment
Vid 12	2011-10-13	Python part 5 - while loops			pdf key	YouTube m4v	
Vid 11	2011-10-12	Python part 4 - if, modules, command line args [org]			pdf key	YouTube H264	
	2011-10-11	No class - UNH Monday Schedule					
Vid 10	2011-10-10	Emacs part 5 - modes [org]				YouTube H264	
Vid 9	2011-10-09	Python part 3: parts [org]				YouTube H264	
Vid 8	2011-10-09	Python part 2: ways to run python code [org]				YouTube H264	
12	2011-10-06	Python: files, for loops [org]		mp3 m4a ogg	pdf key ppt		comment
11	2011-10-04	ipython and python data types [org]		mp3 m4a ogg	pdf key ppt		comment
Vid 7	2011-10-02	Python part 1: intro to python/ipython [org]				YouTube H264	
	[researchtoo	ols@ 🕏 emacs23@u	buntu 🖸 researchtools@) 🗾 Rese	arch Tools C.	💆 Index of /	~schwe

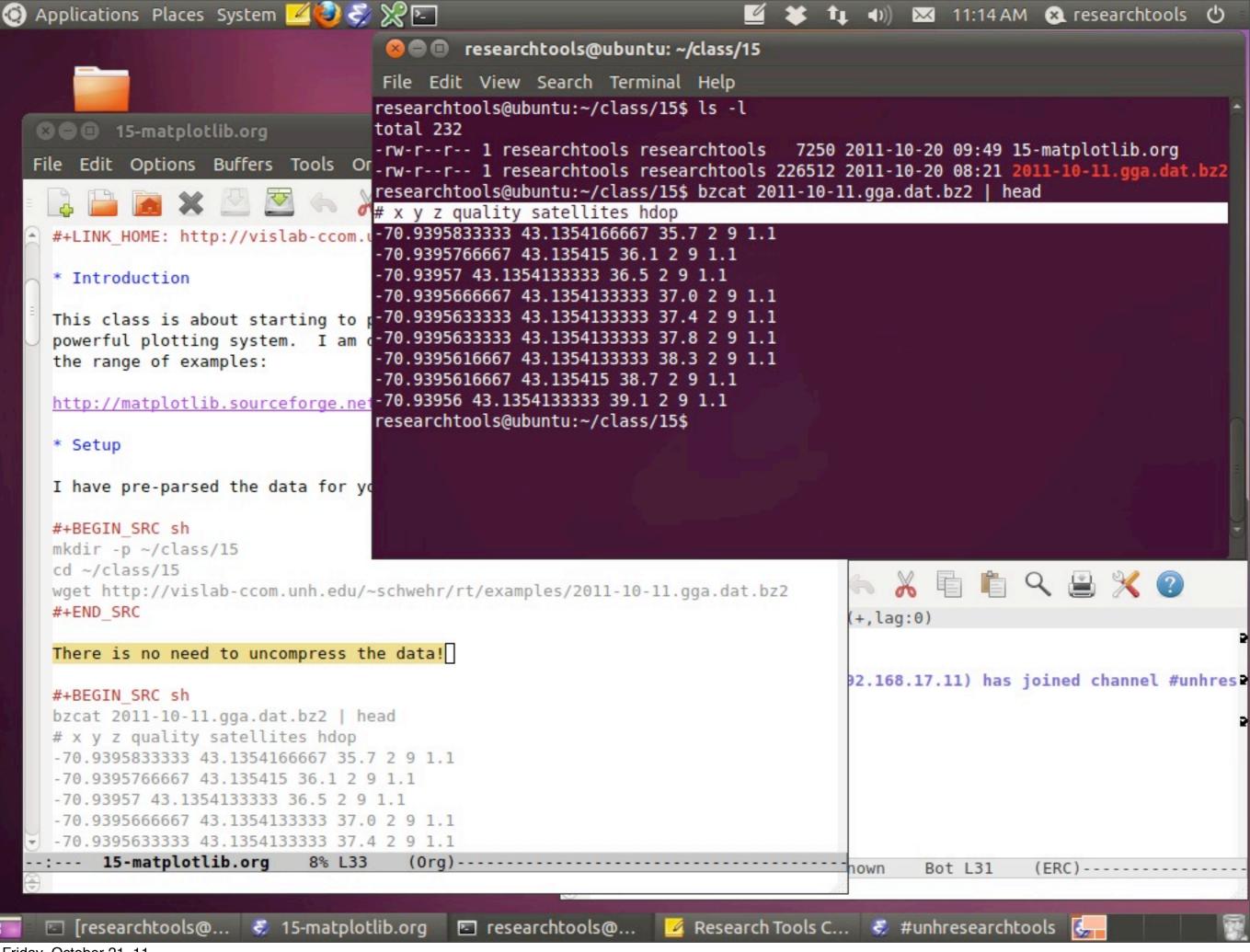








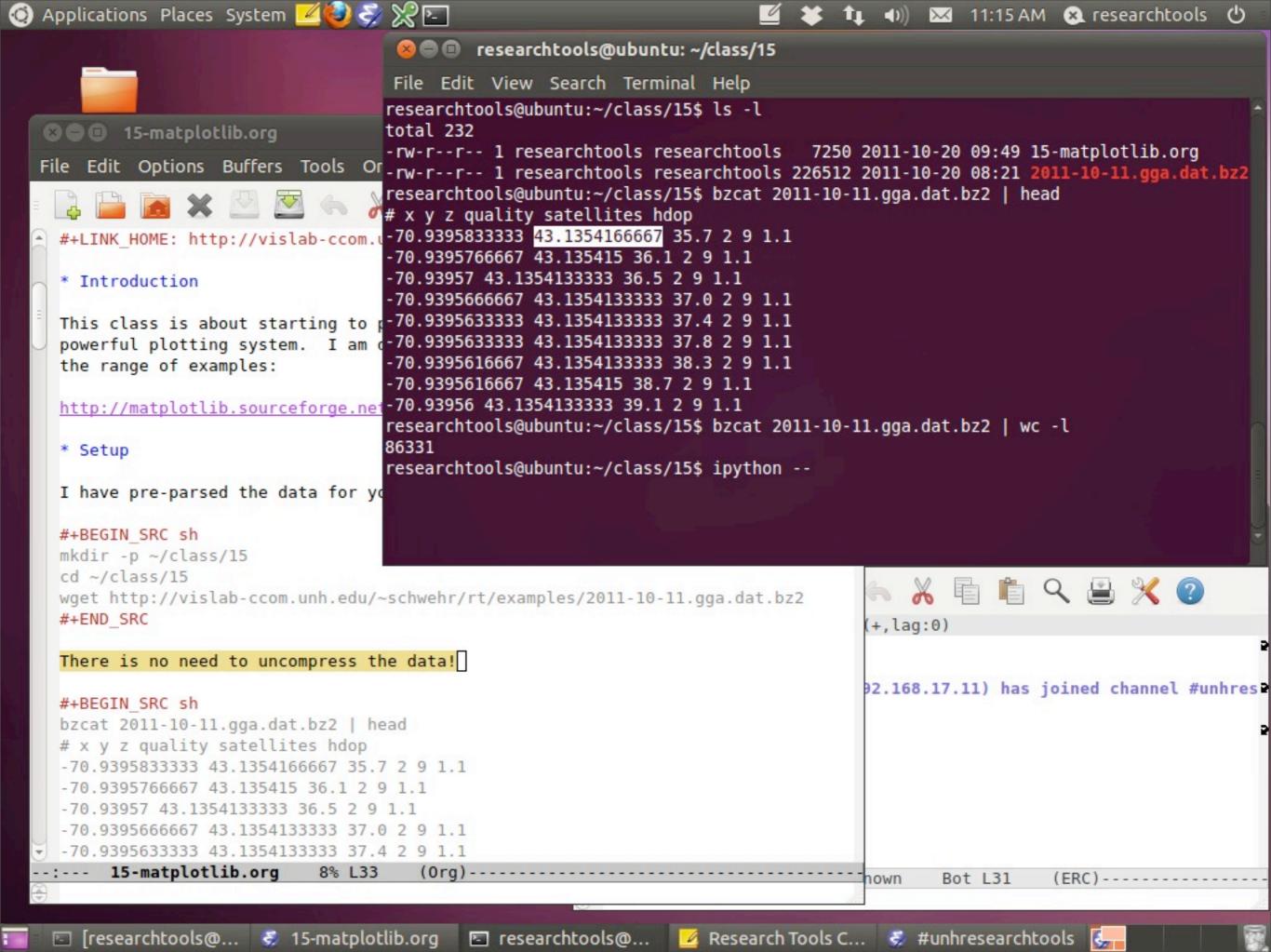
Do NOT uncompress the 2011–10–11.gga.dat.bz2



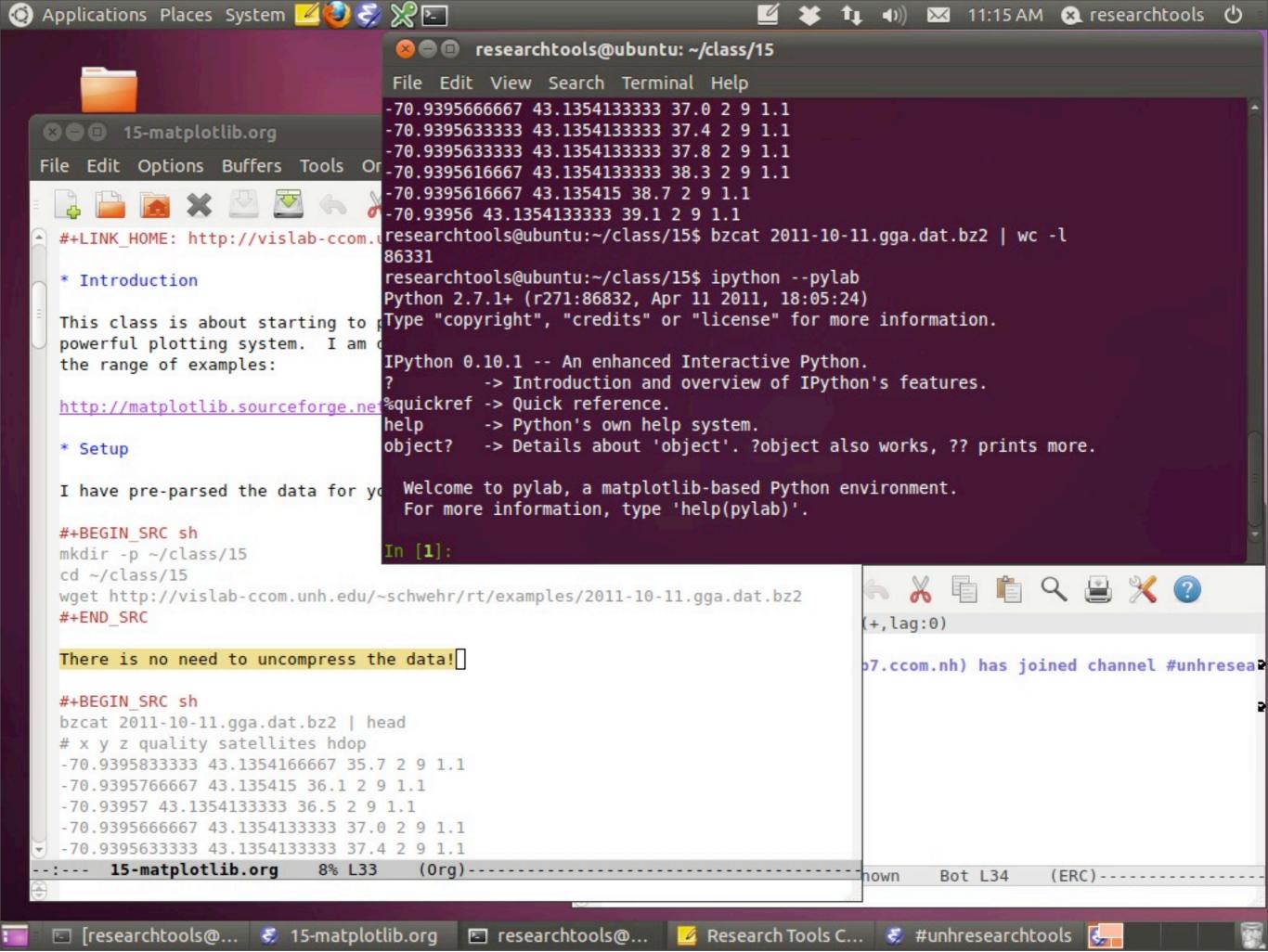
x is longitude

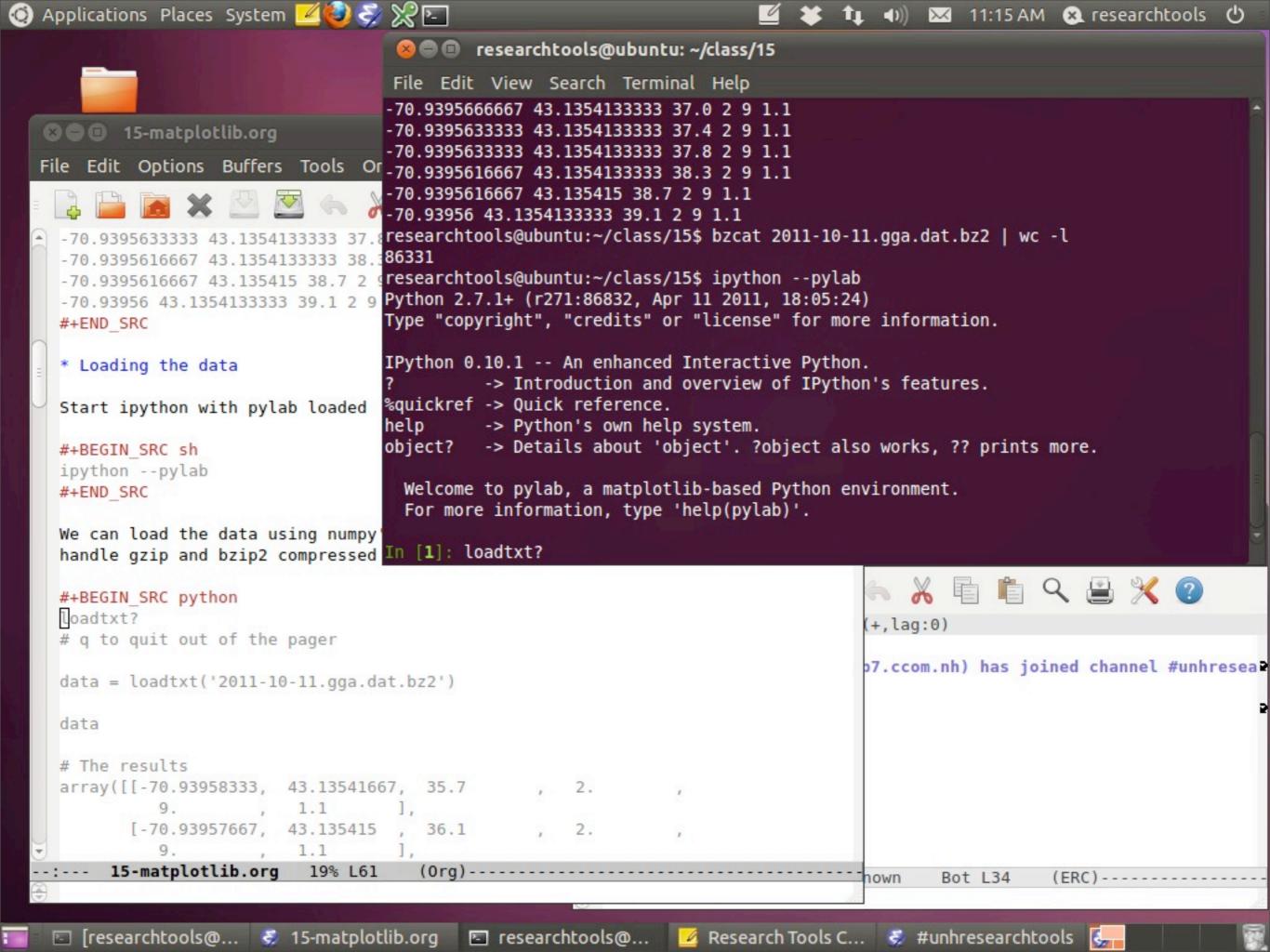
y is latitude

x y z is a right handed coordinate frame

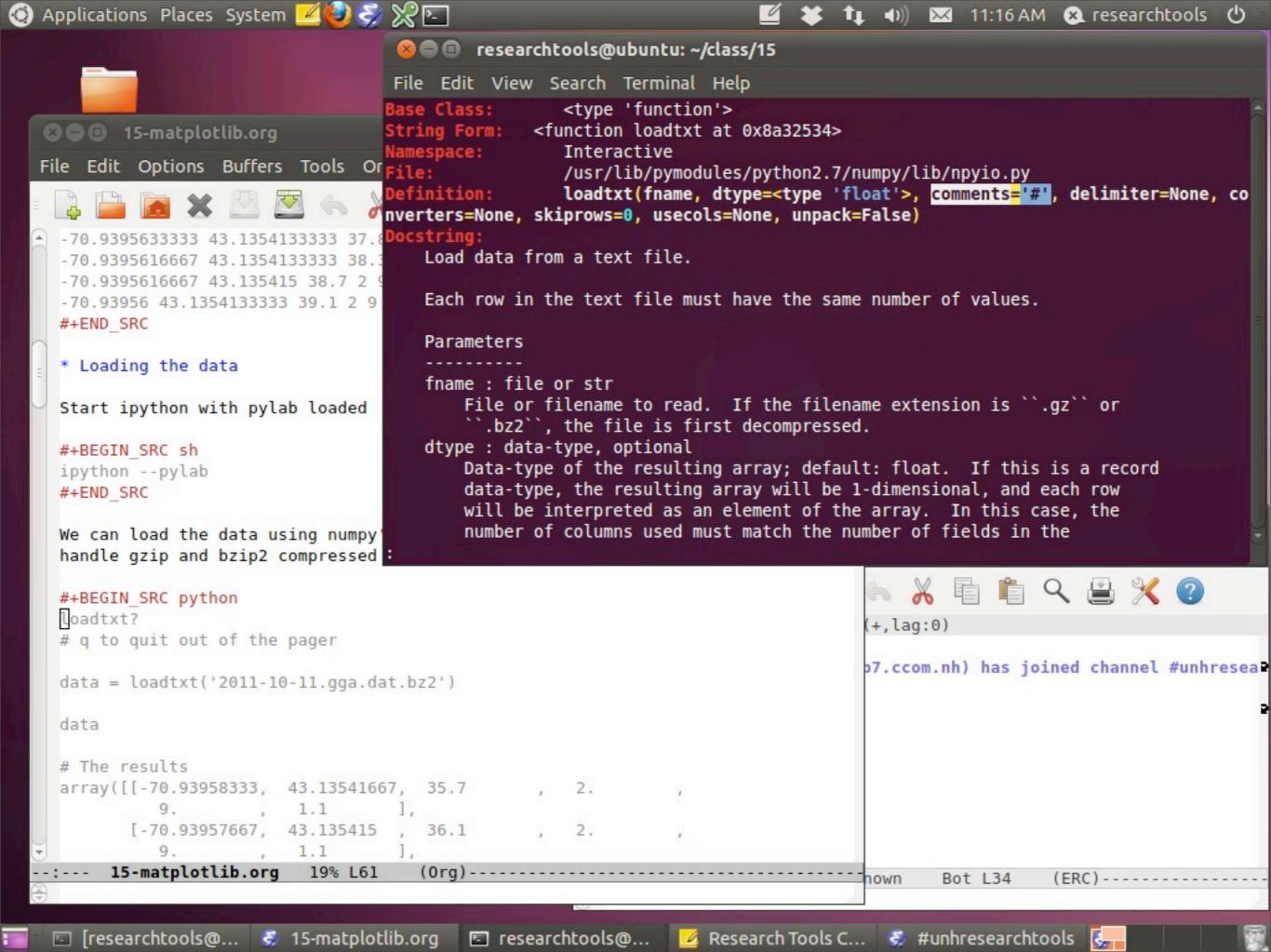


make sure to start ipython with "--pylab" or you will be missing a lot of the functions we will be using today.

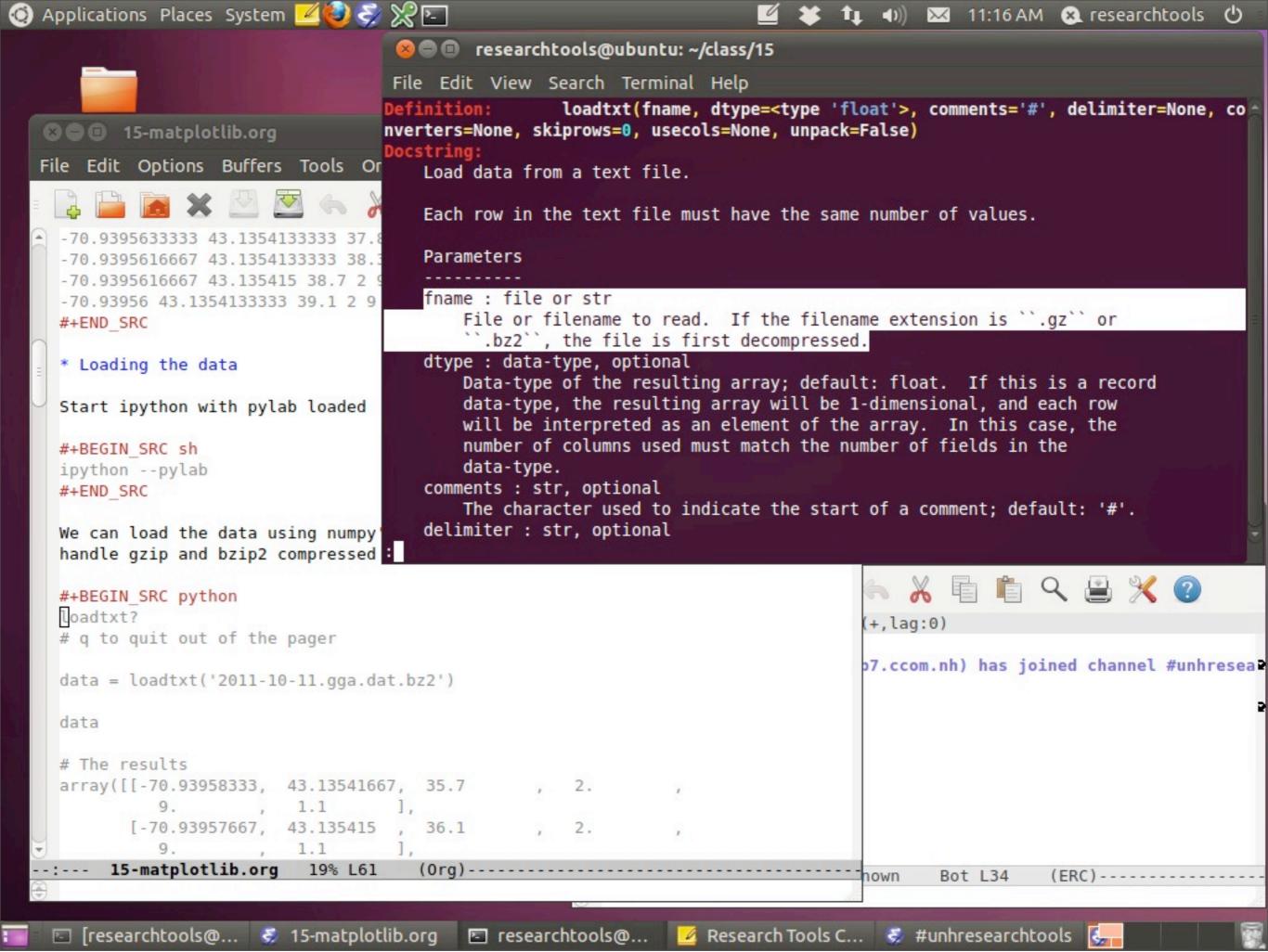


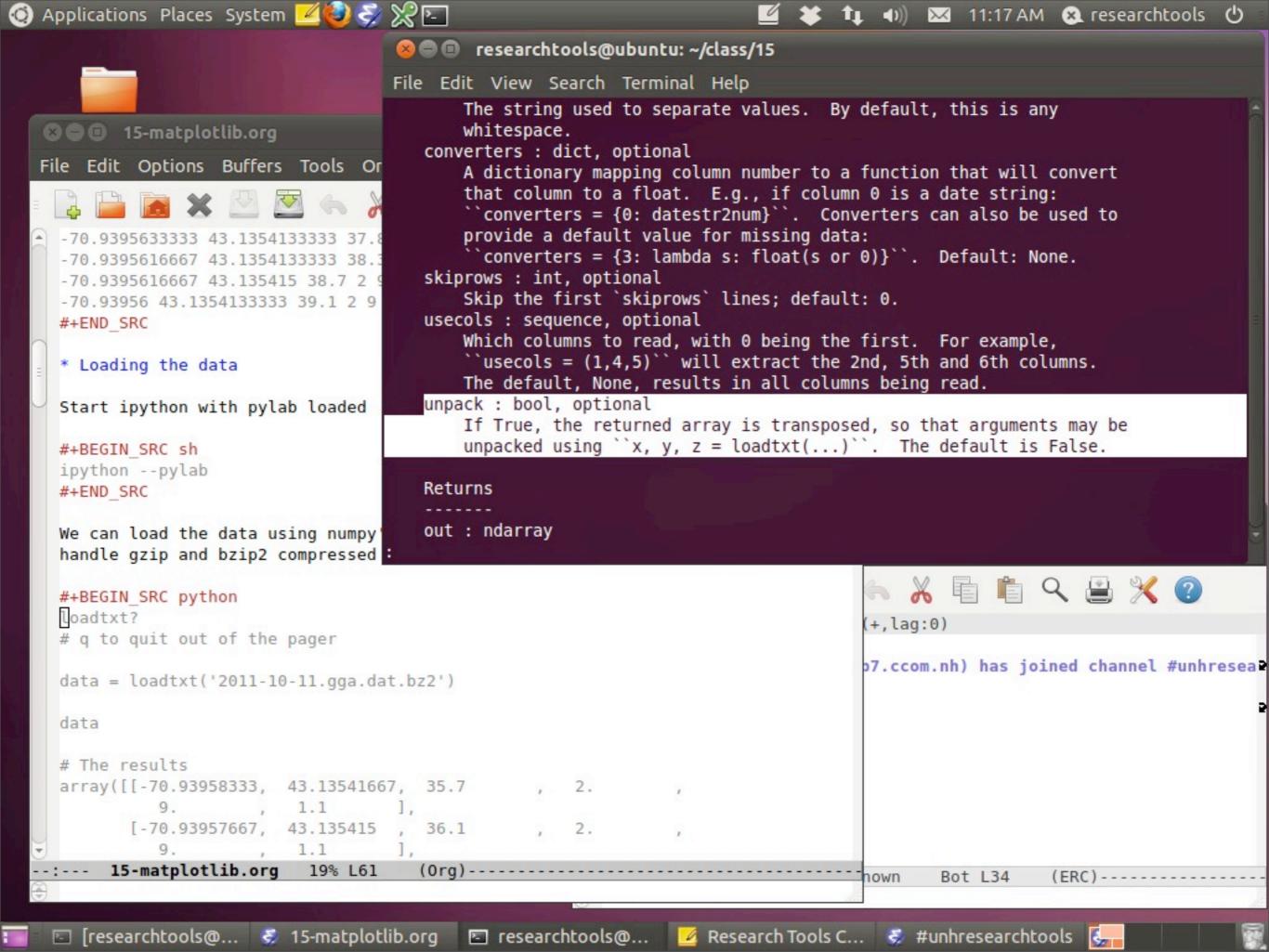


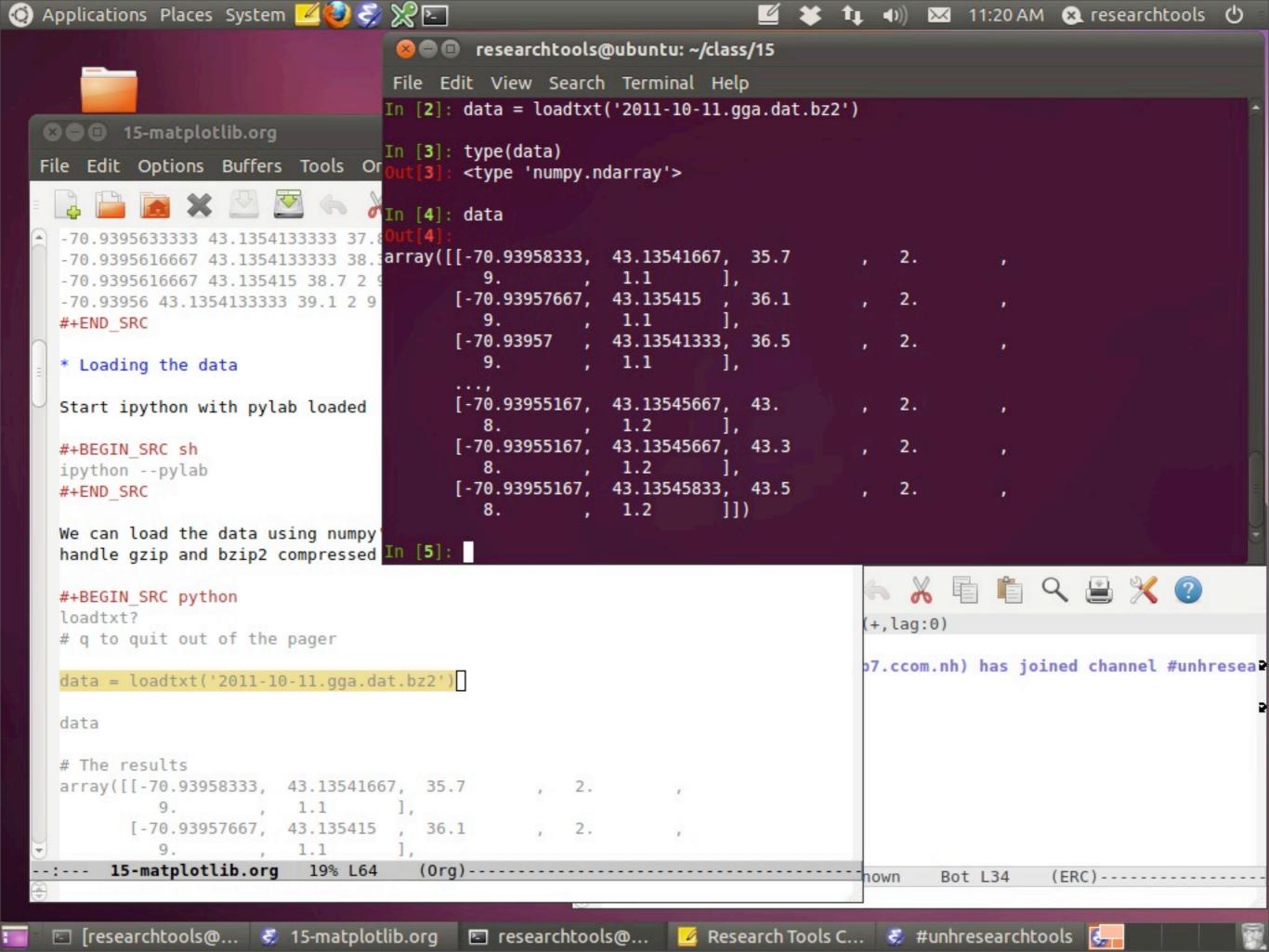
Asking for help with loadtxt

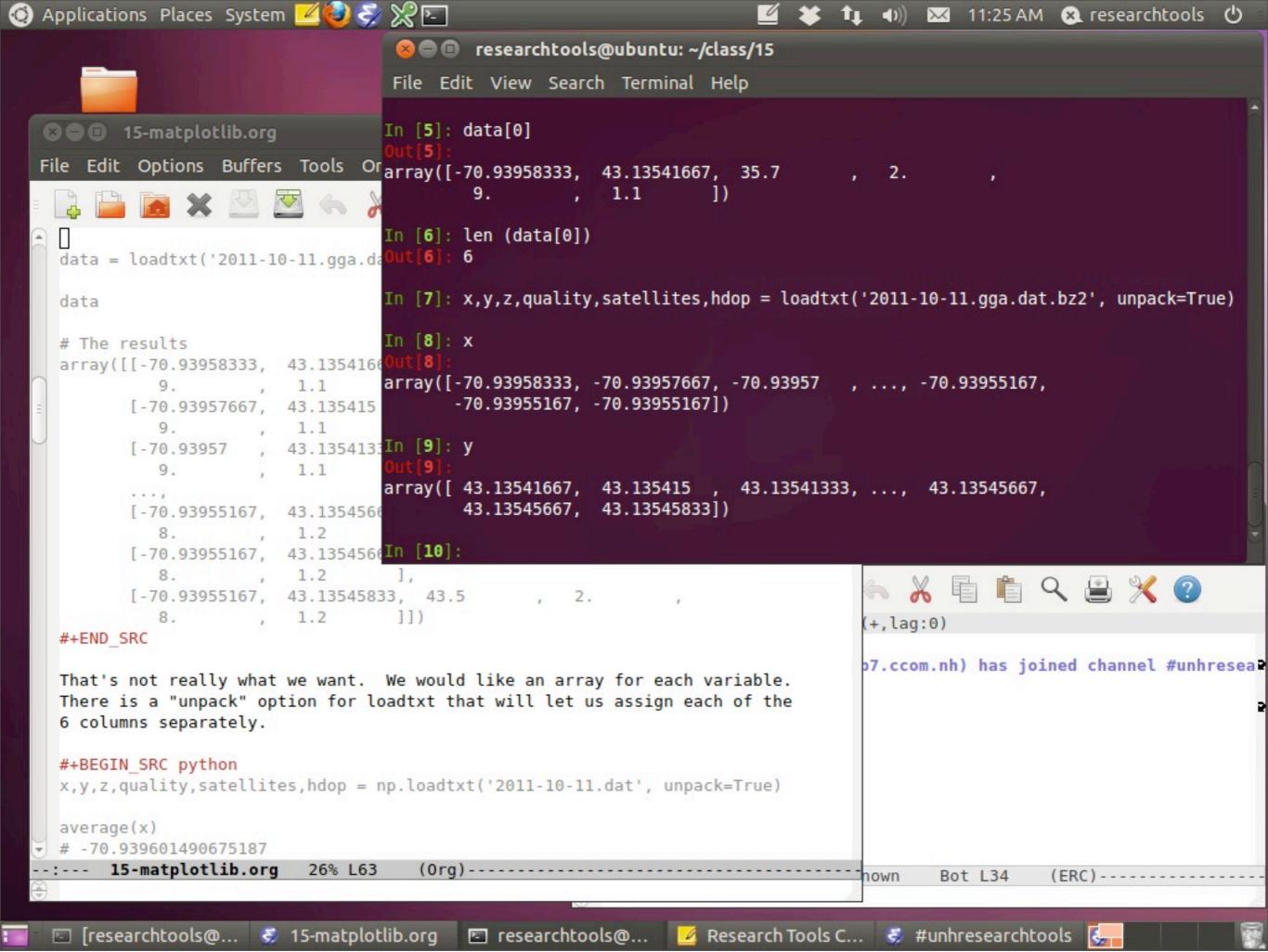


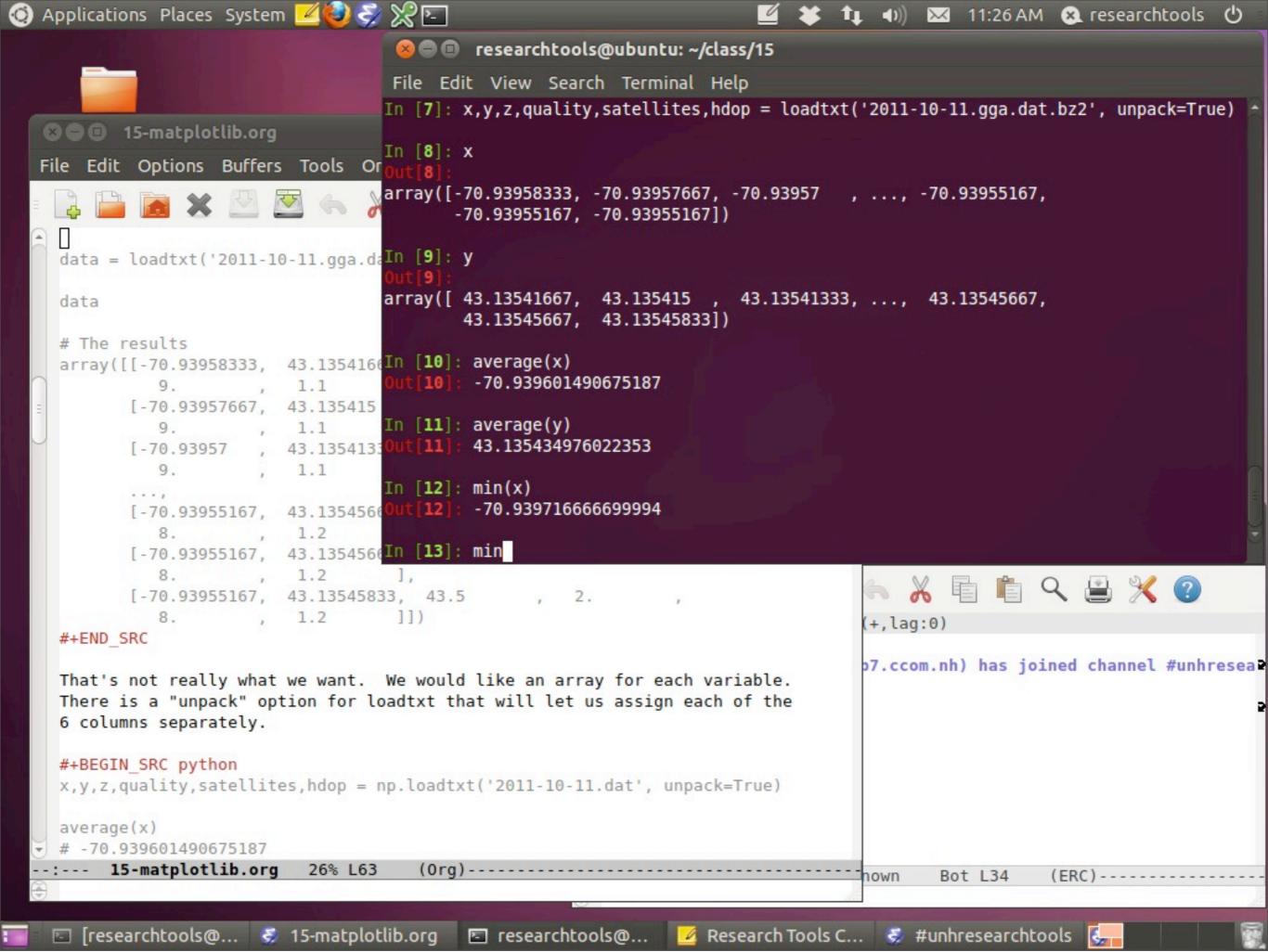
Look at the "File:" path and you will see that loadtext is a part of "numpy"

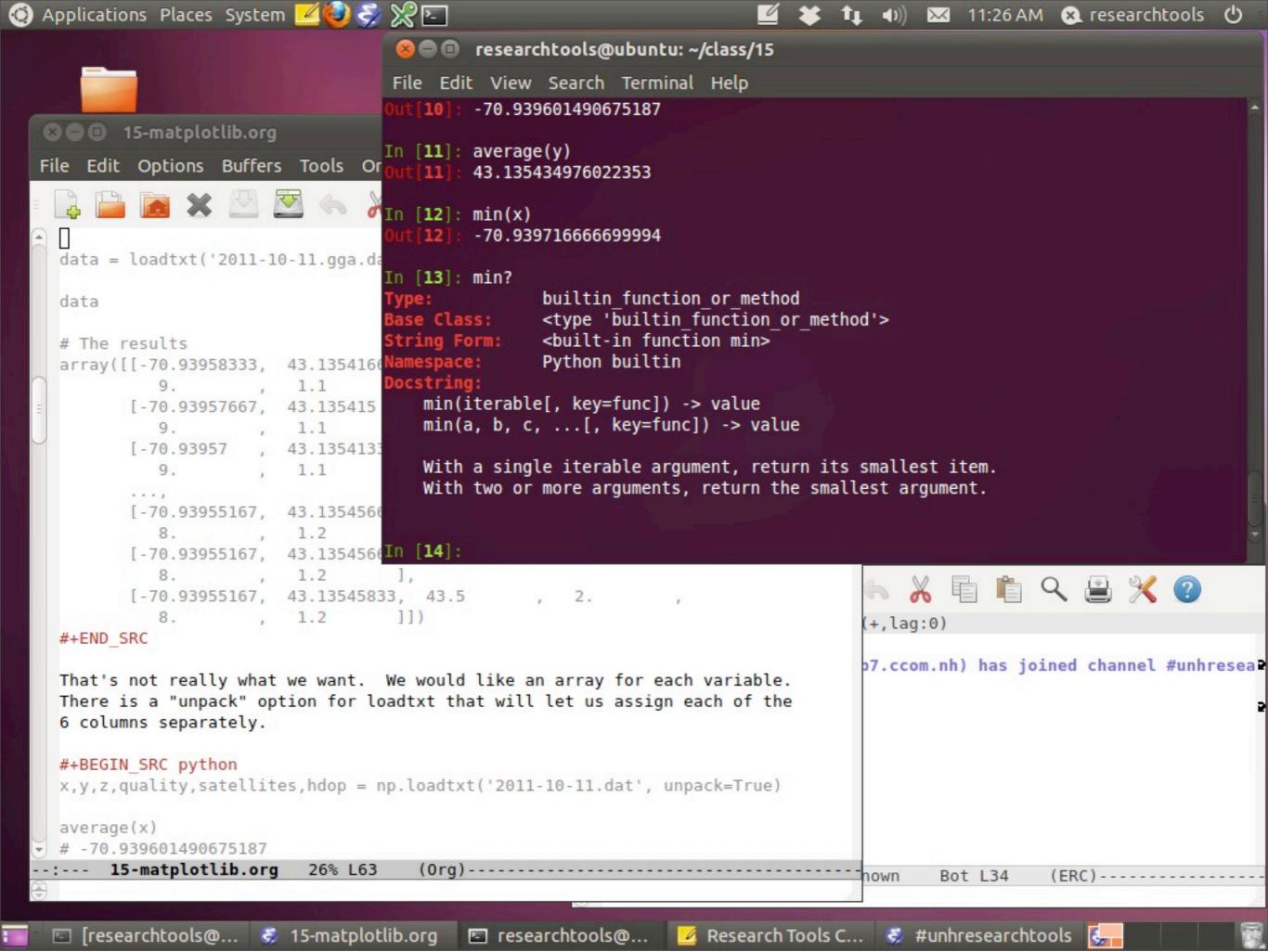


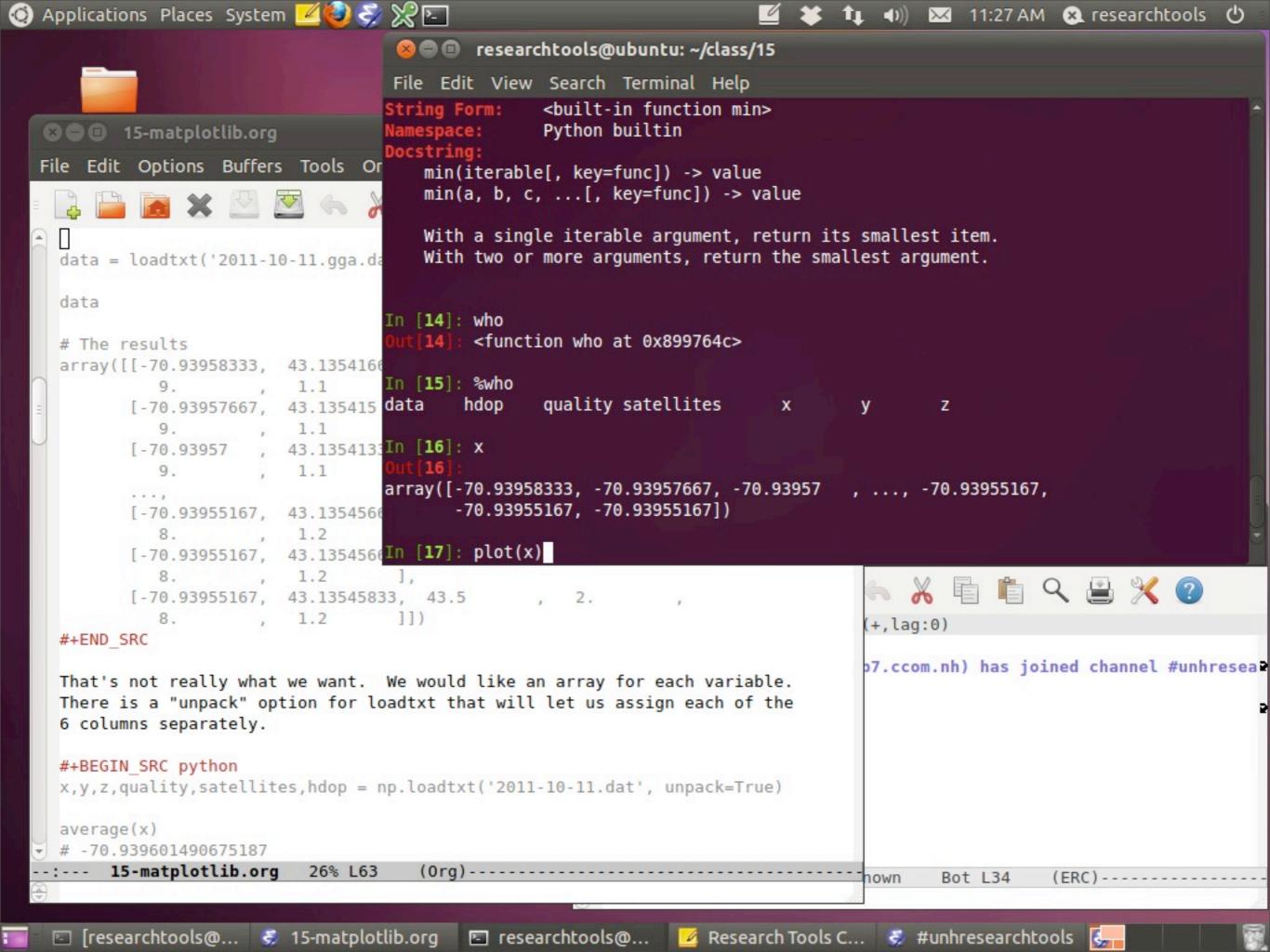


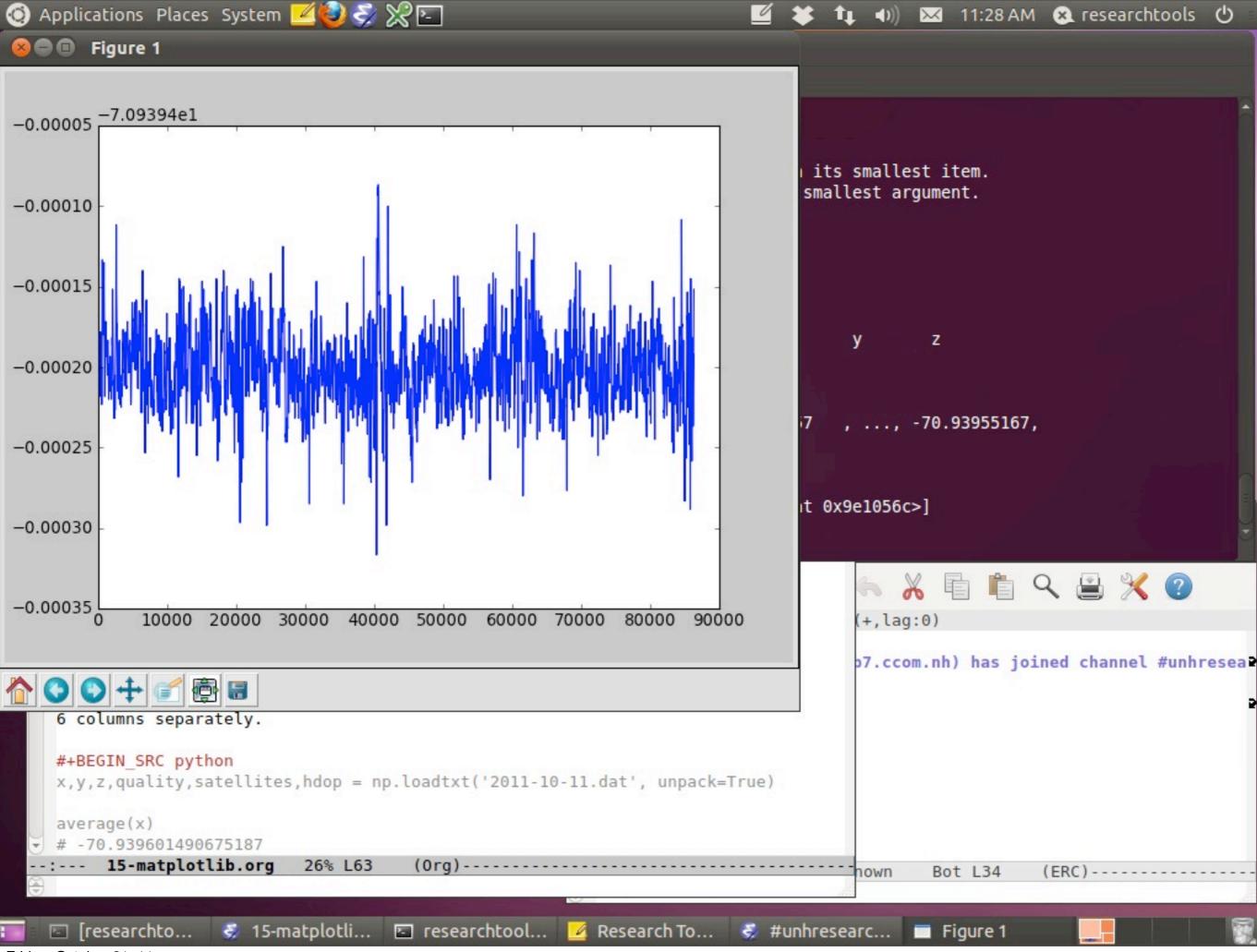




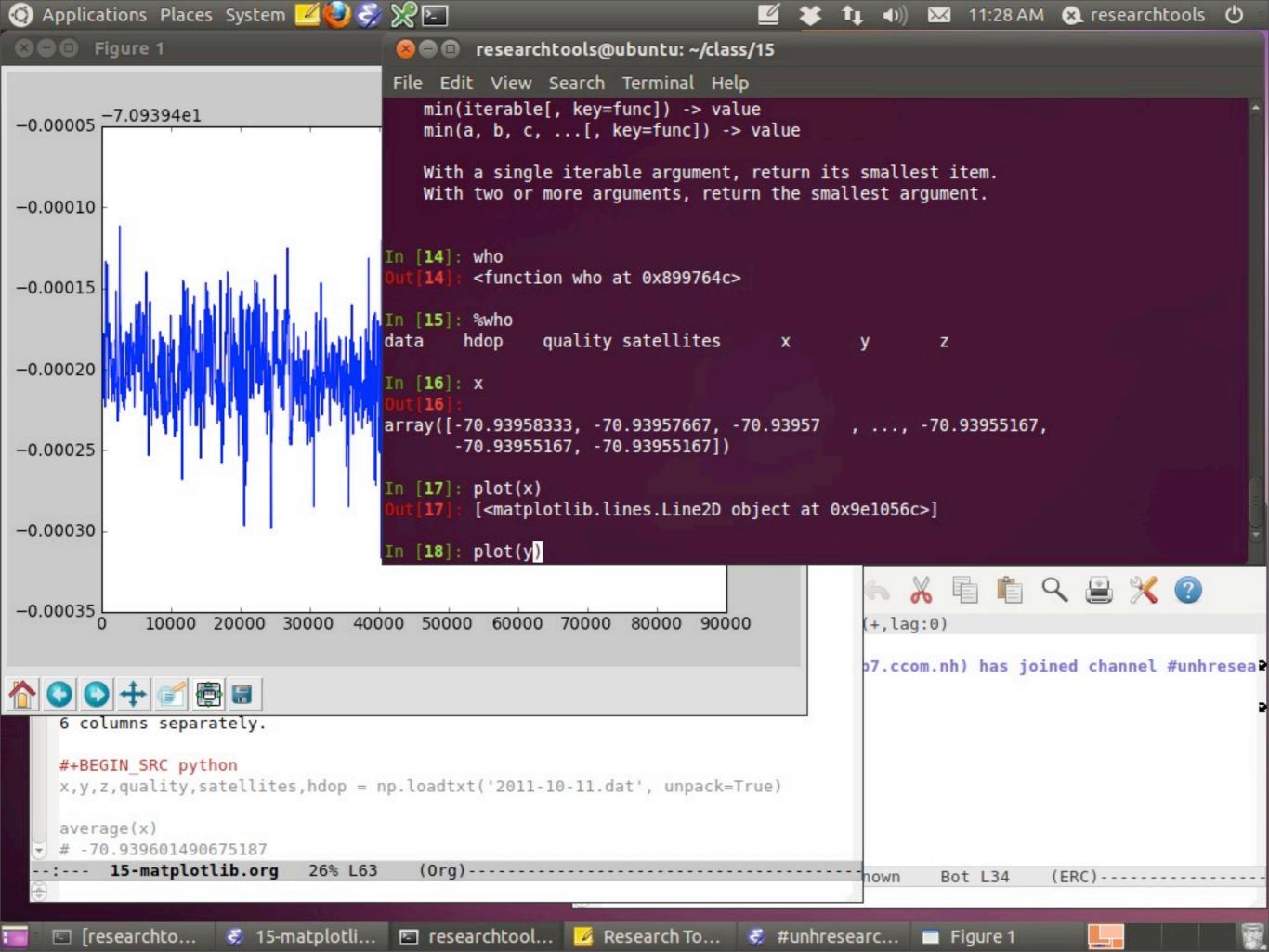




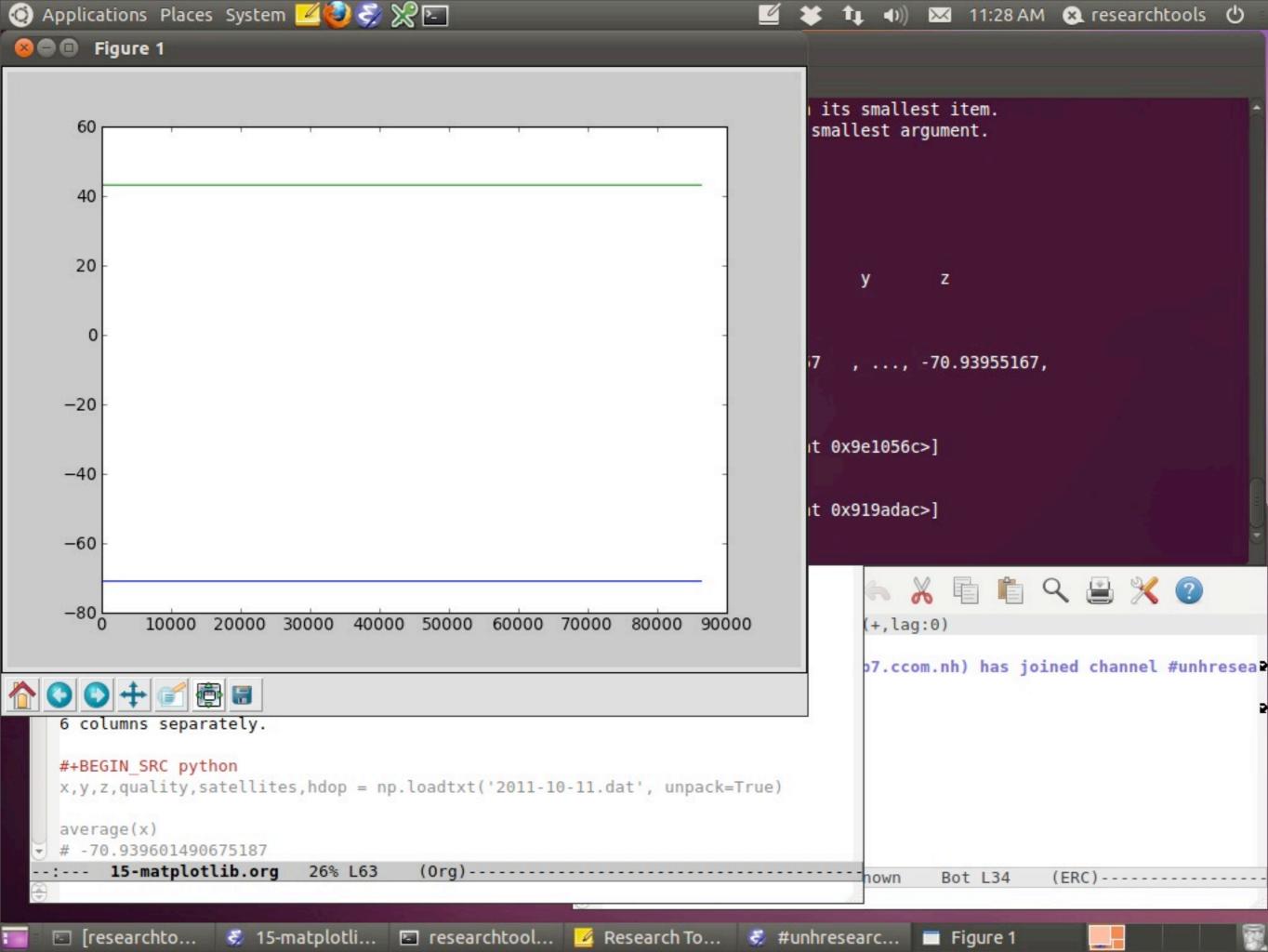




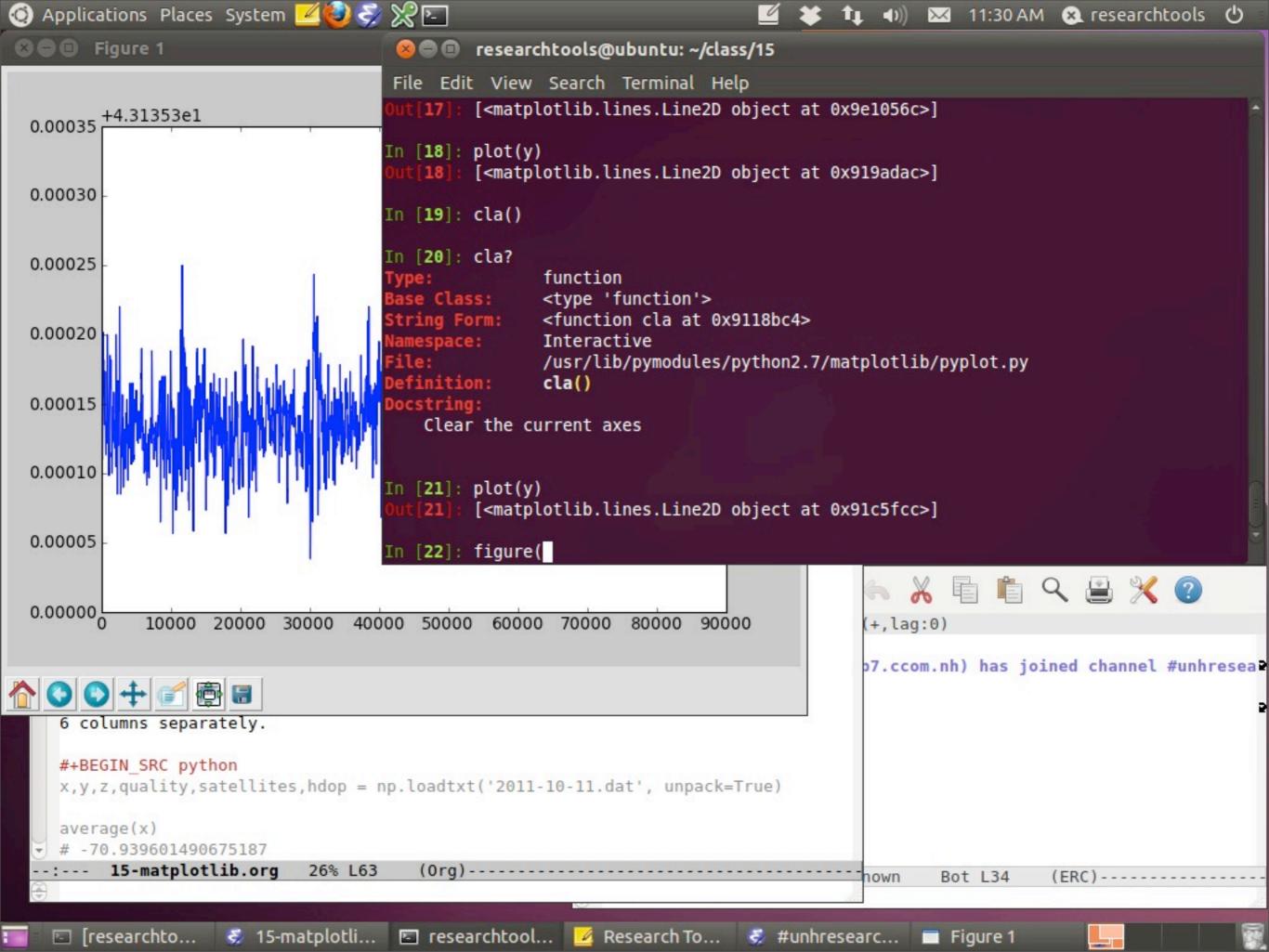
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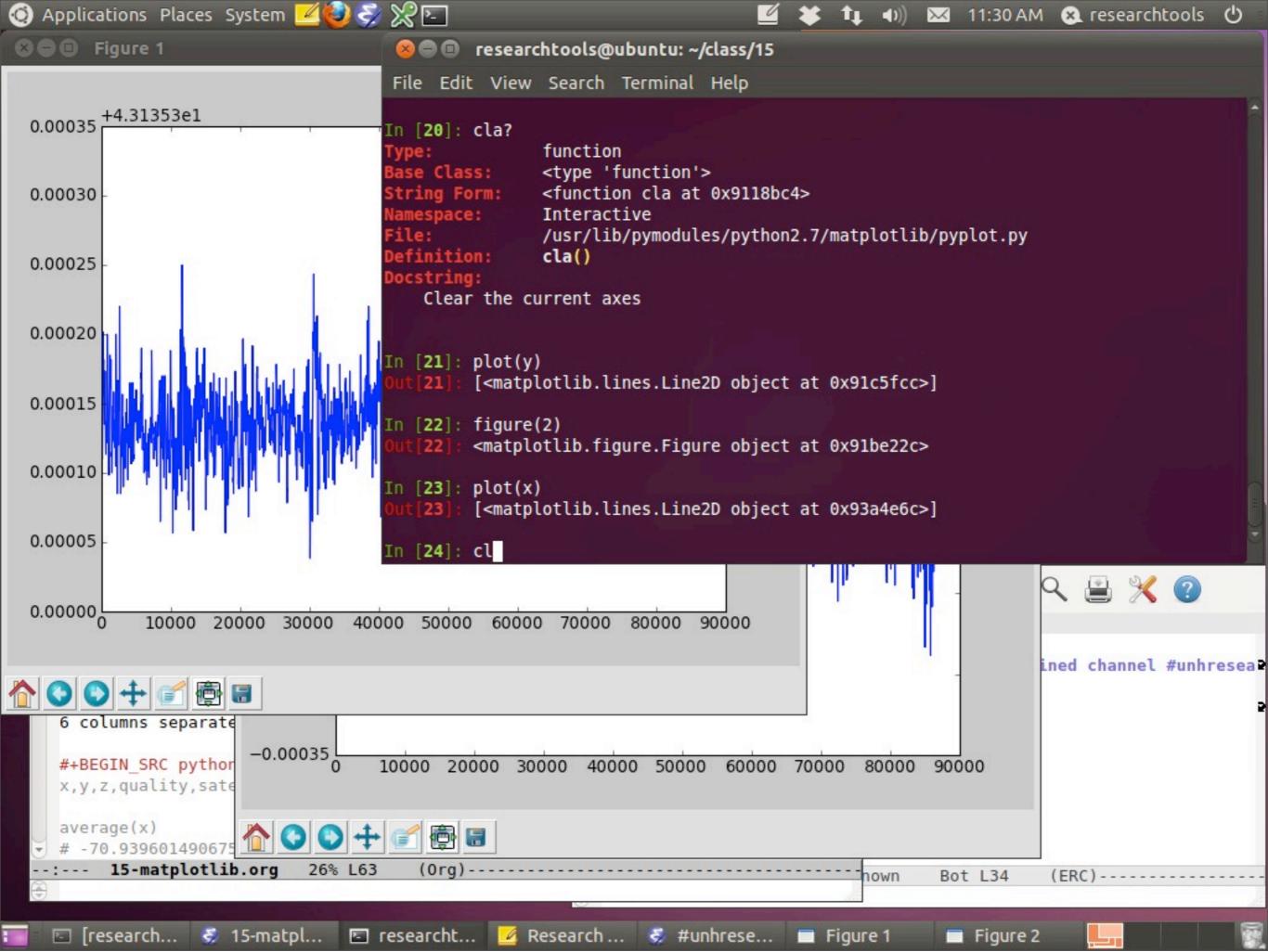
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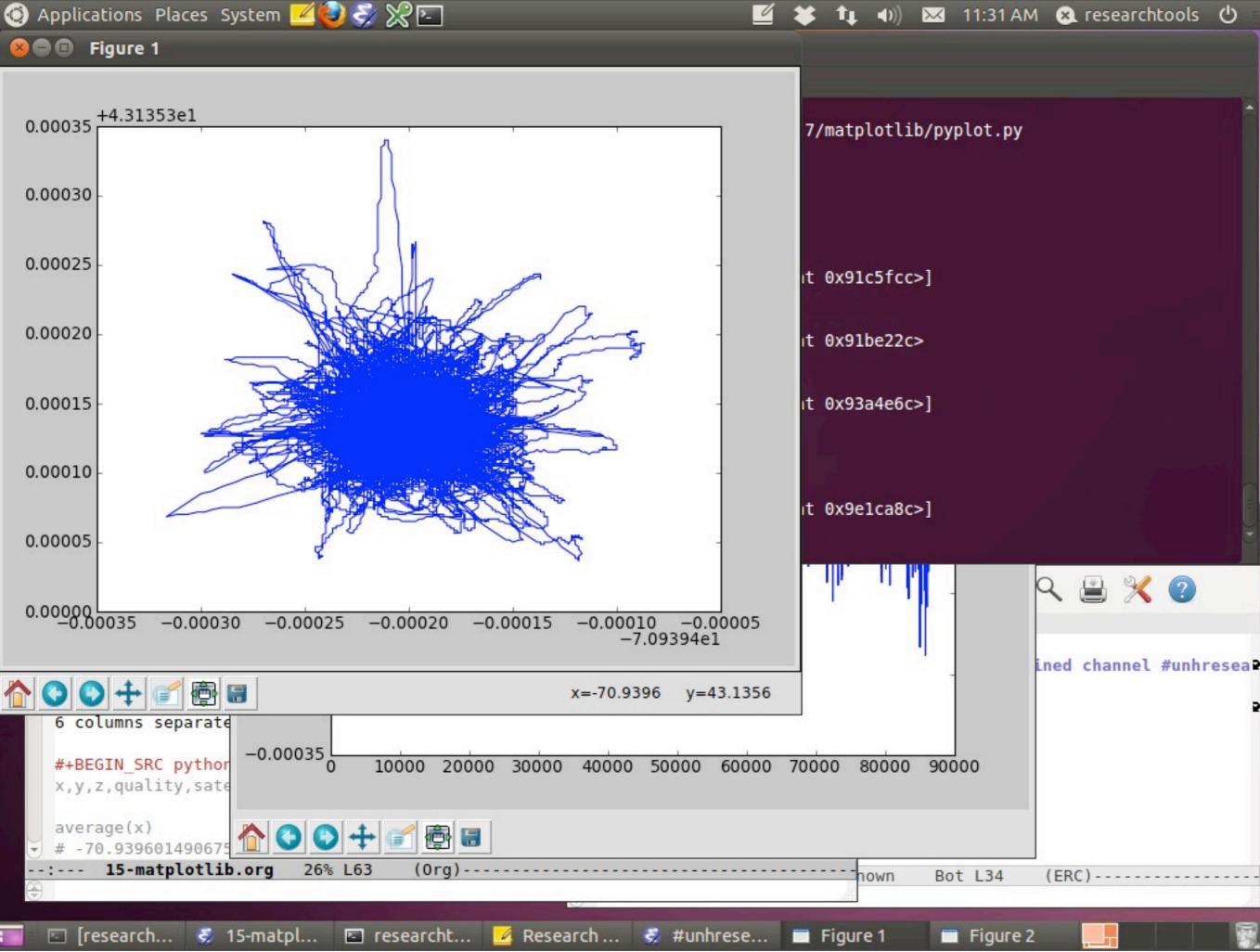
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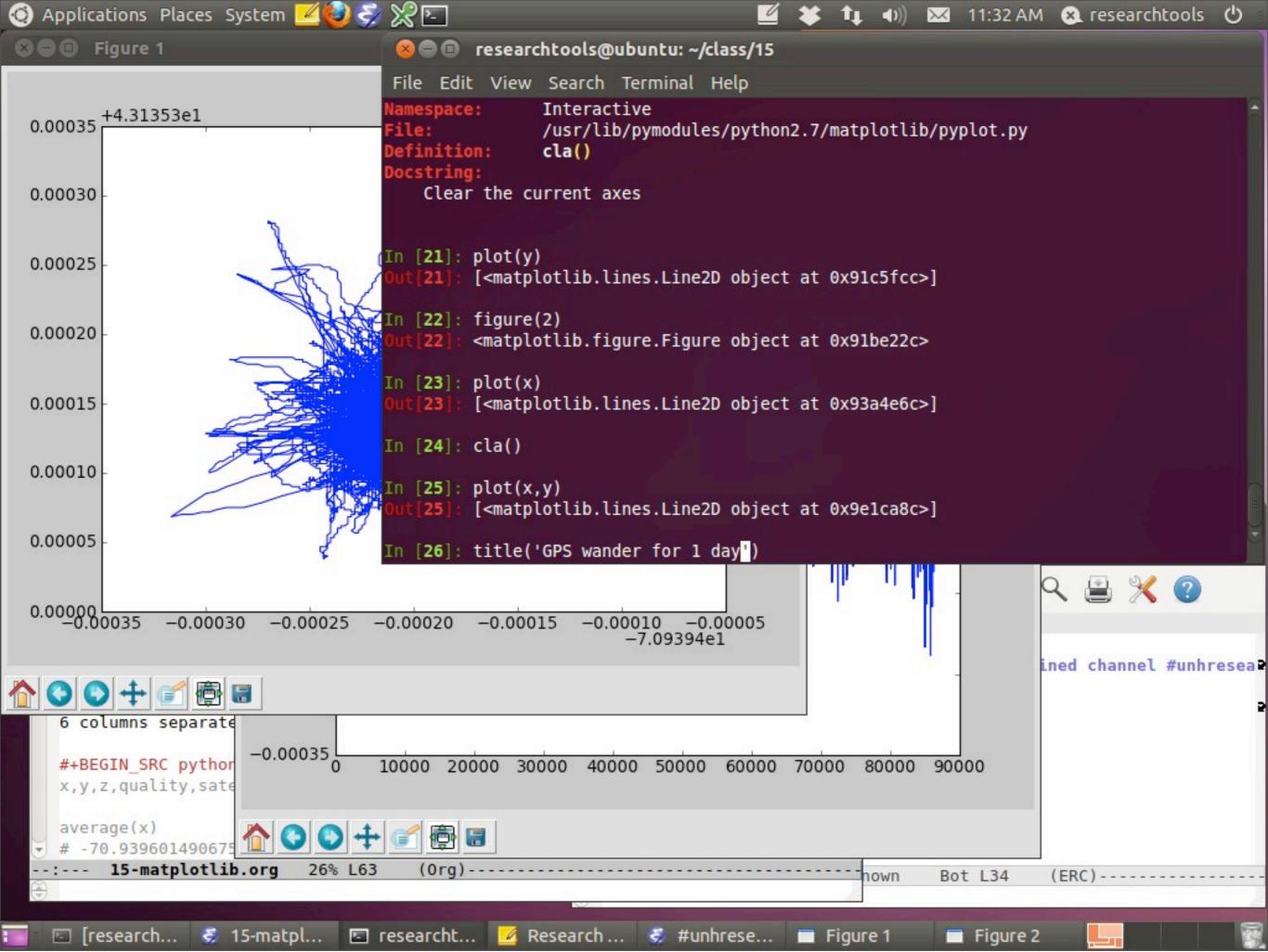
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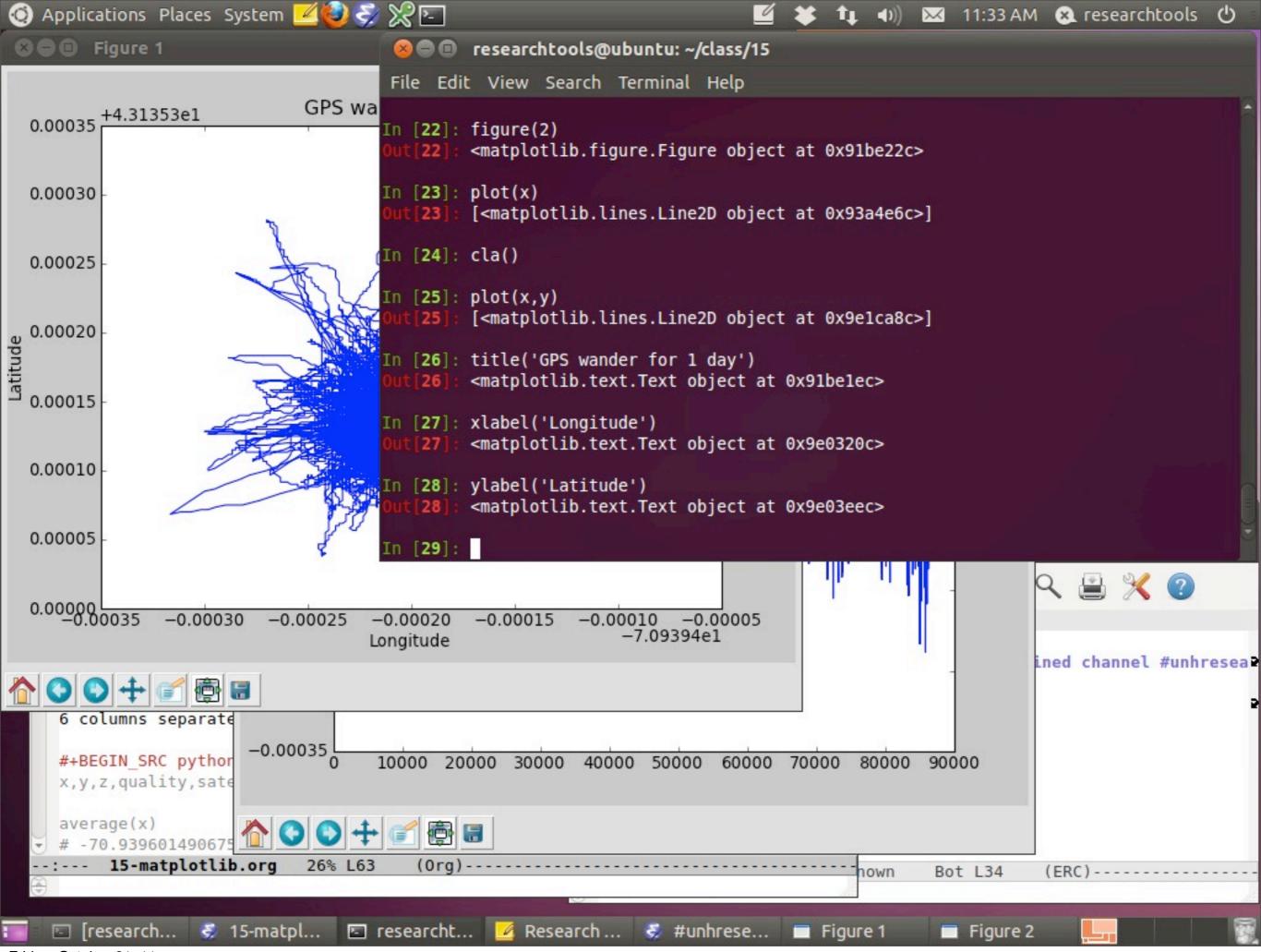
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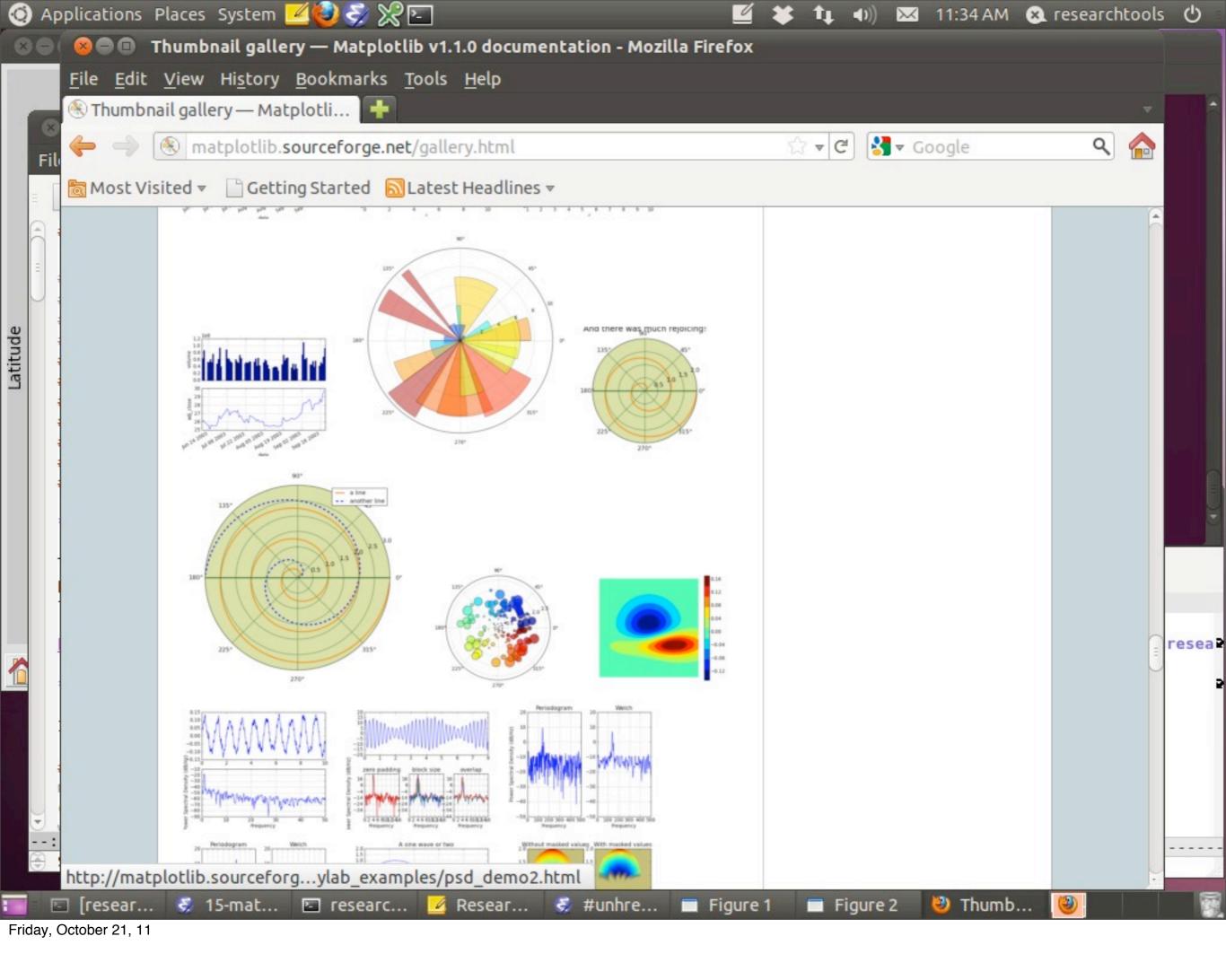
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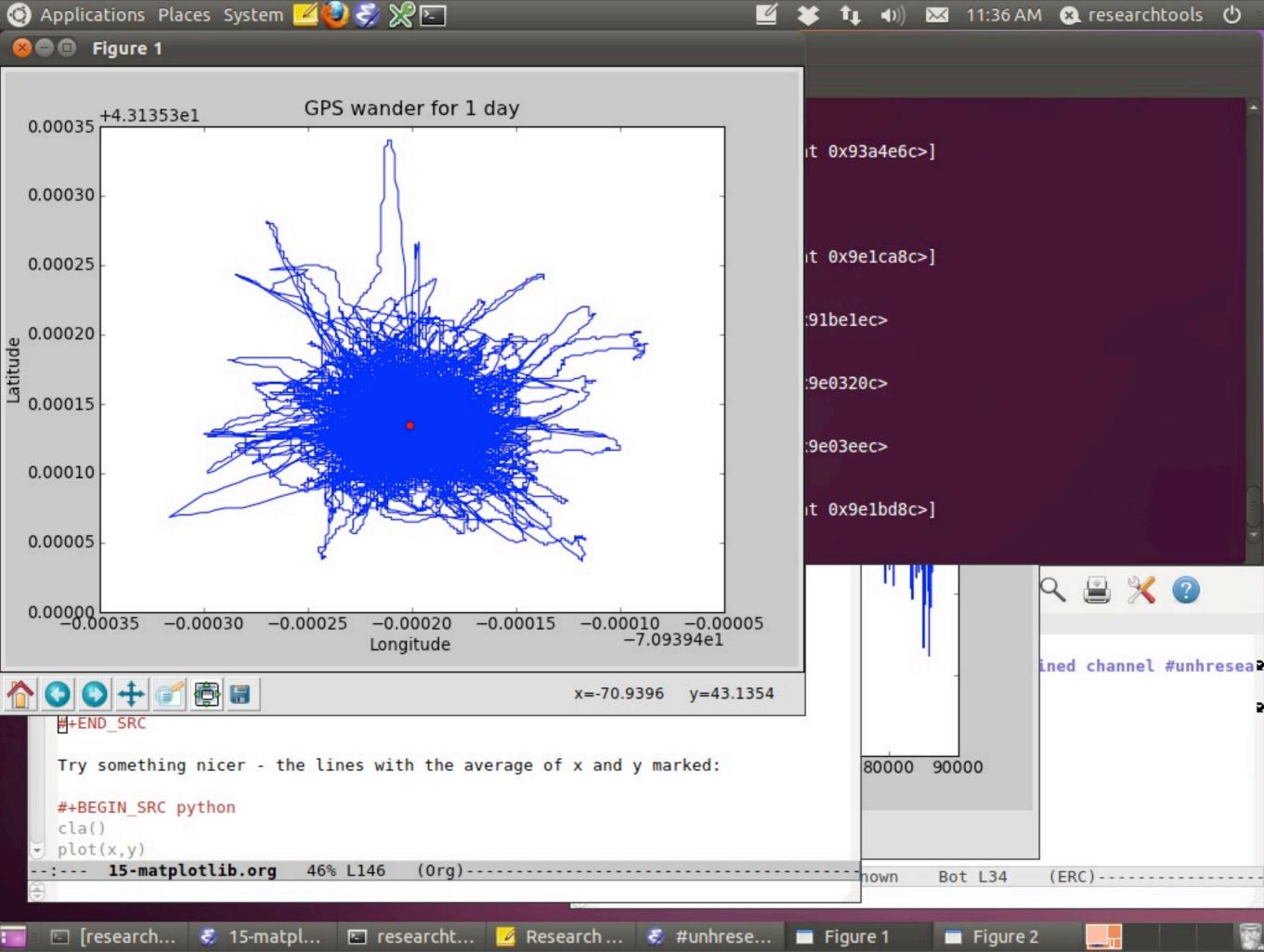


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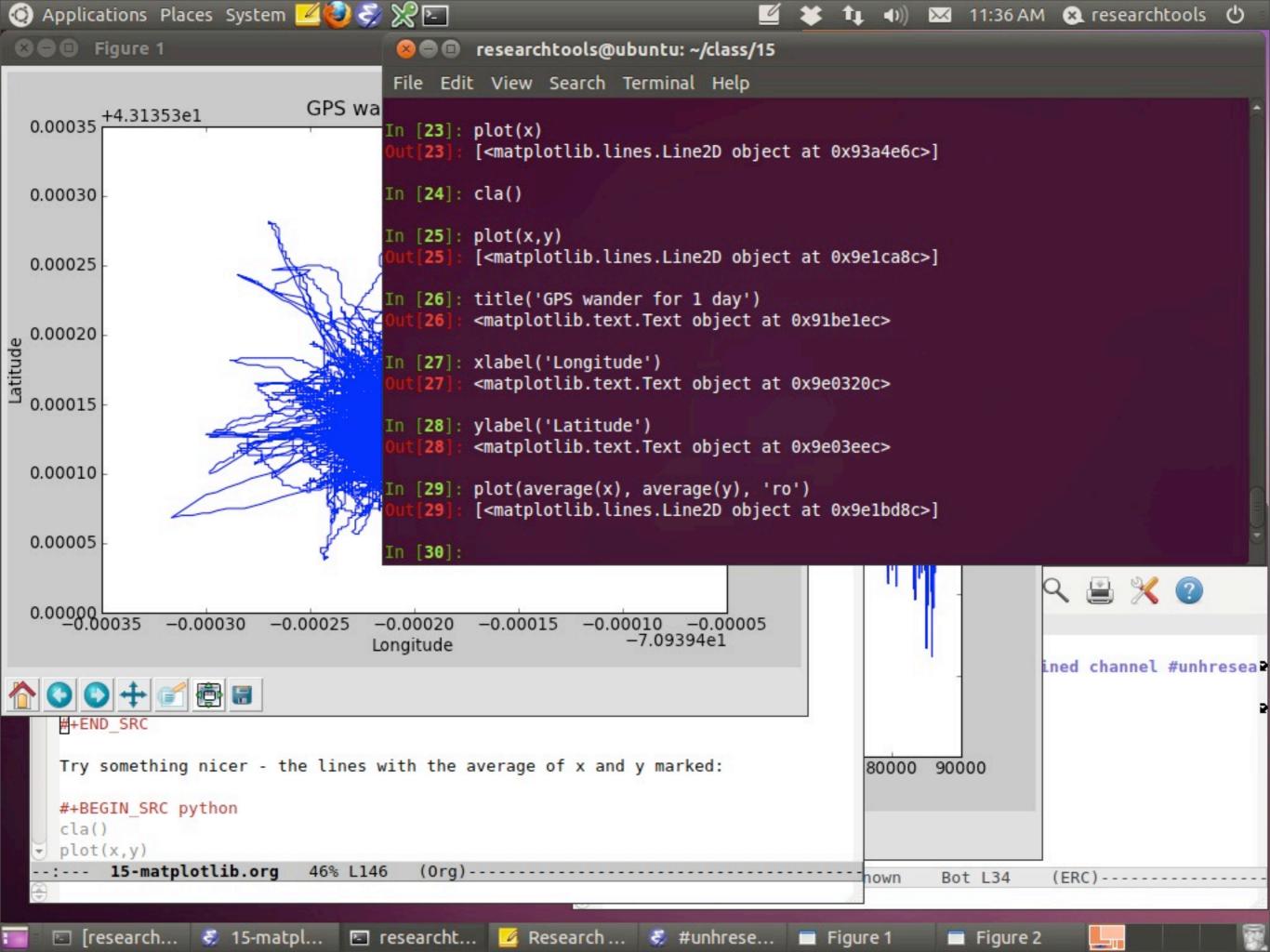


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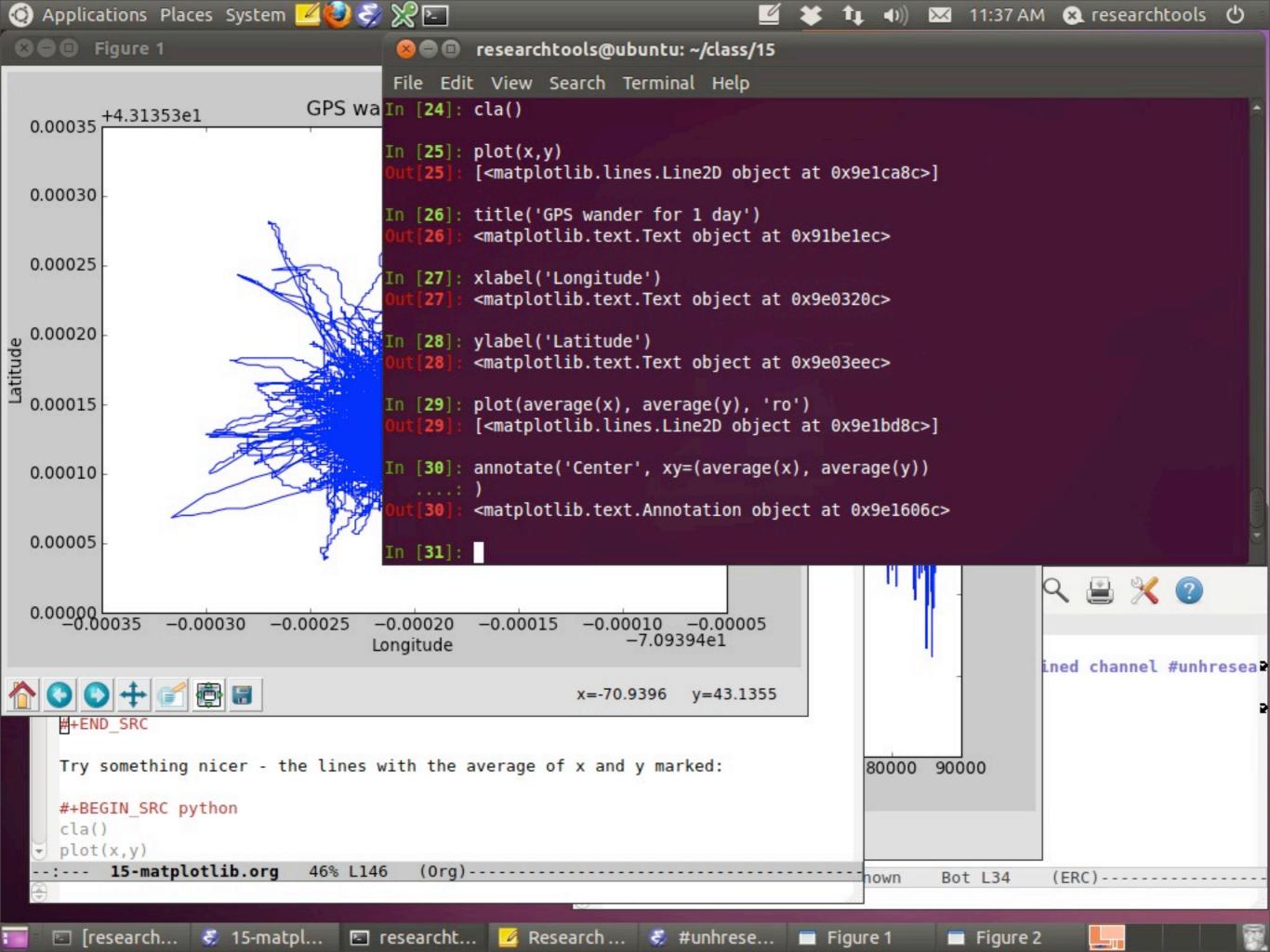




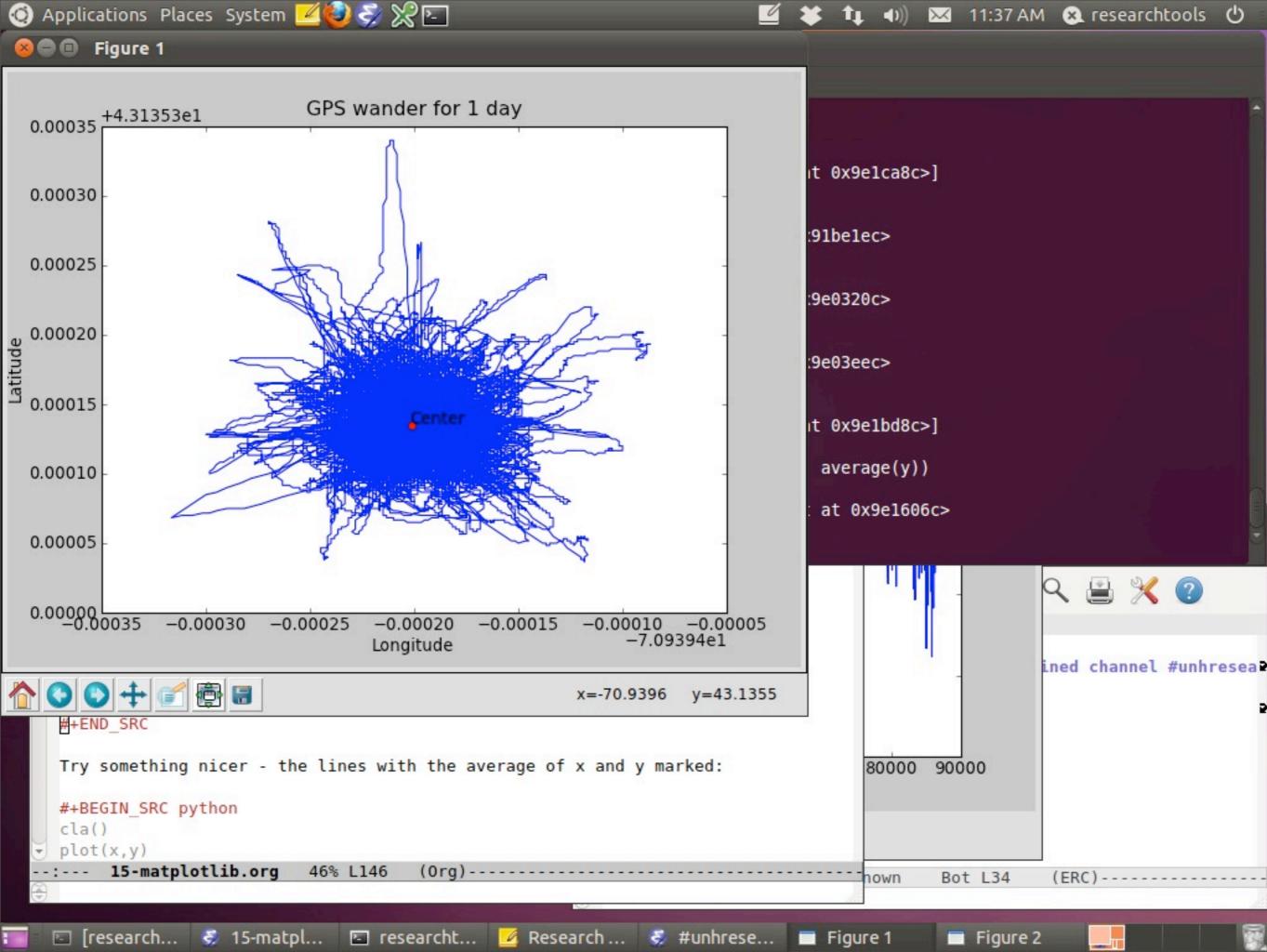
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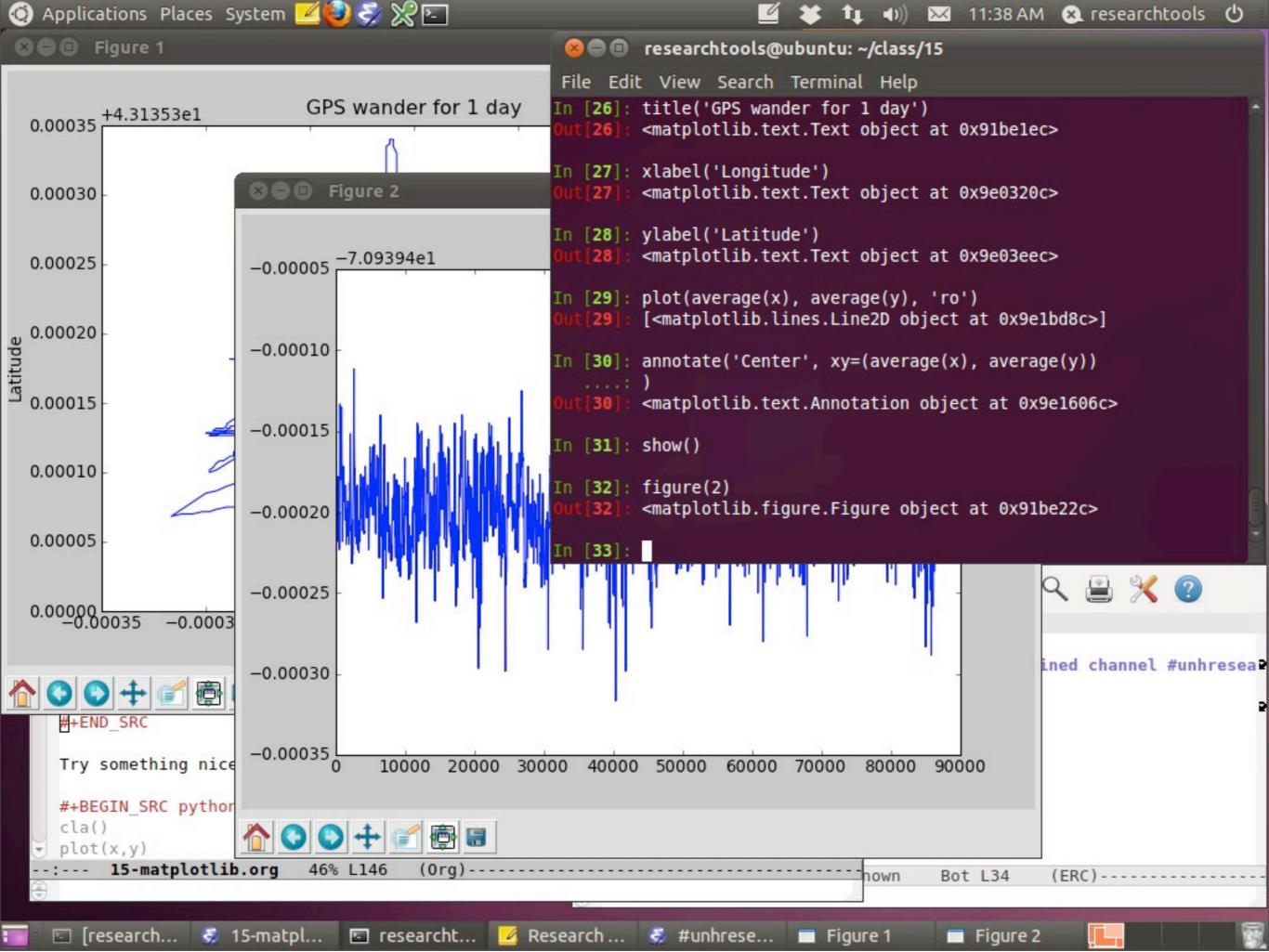
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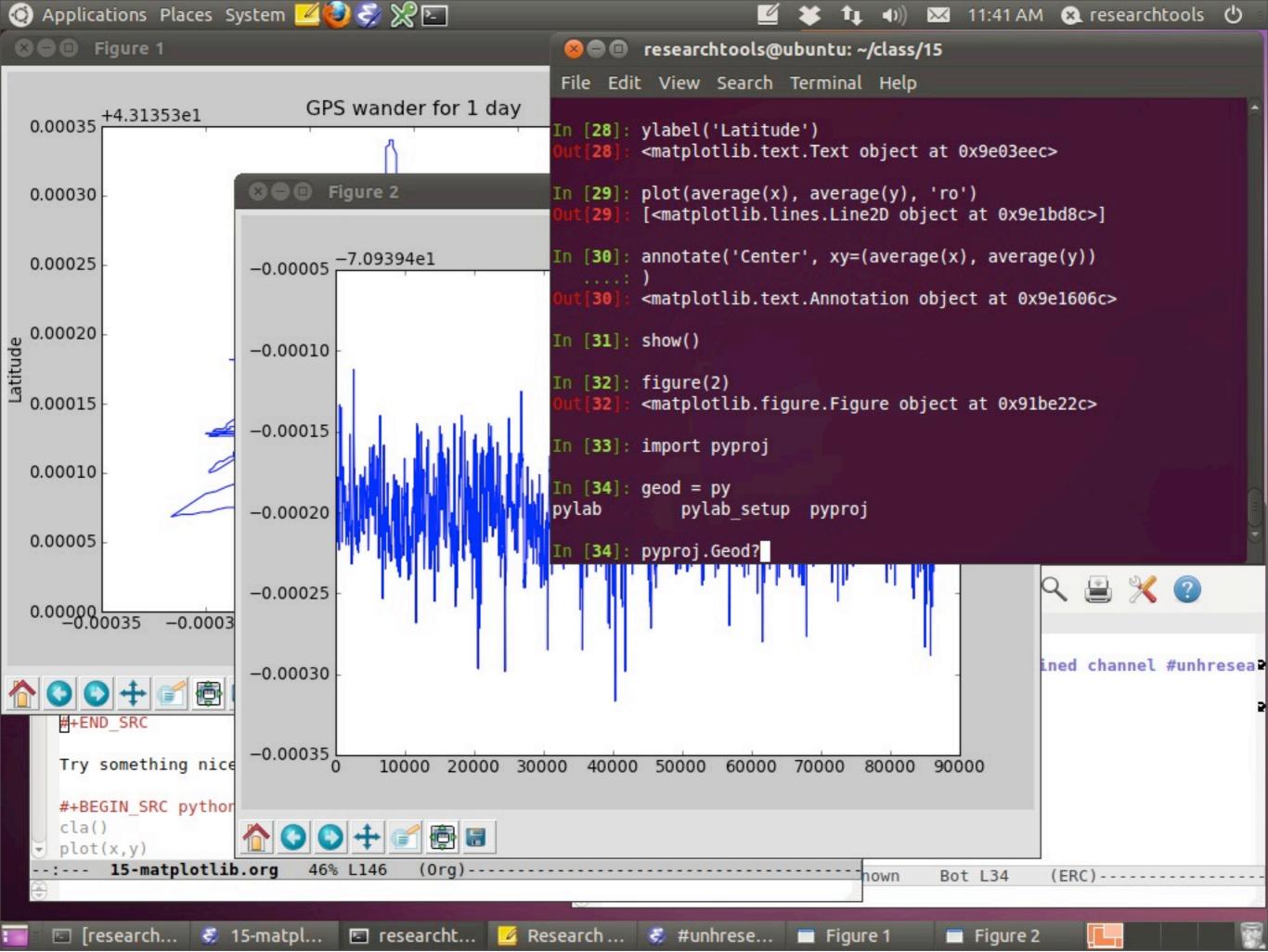
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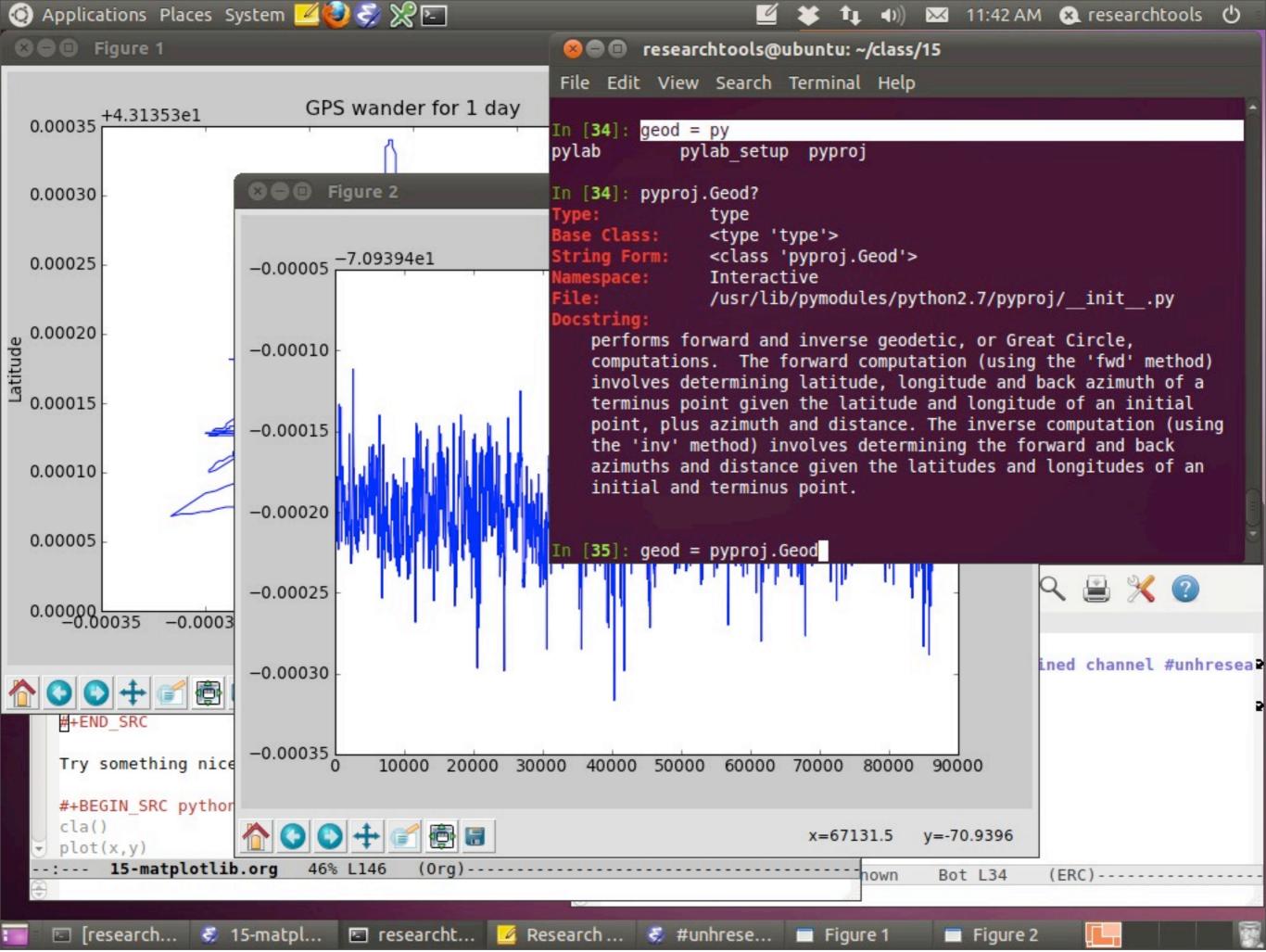
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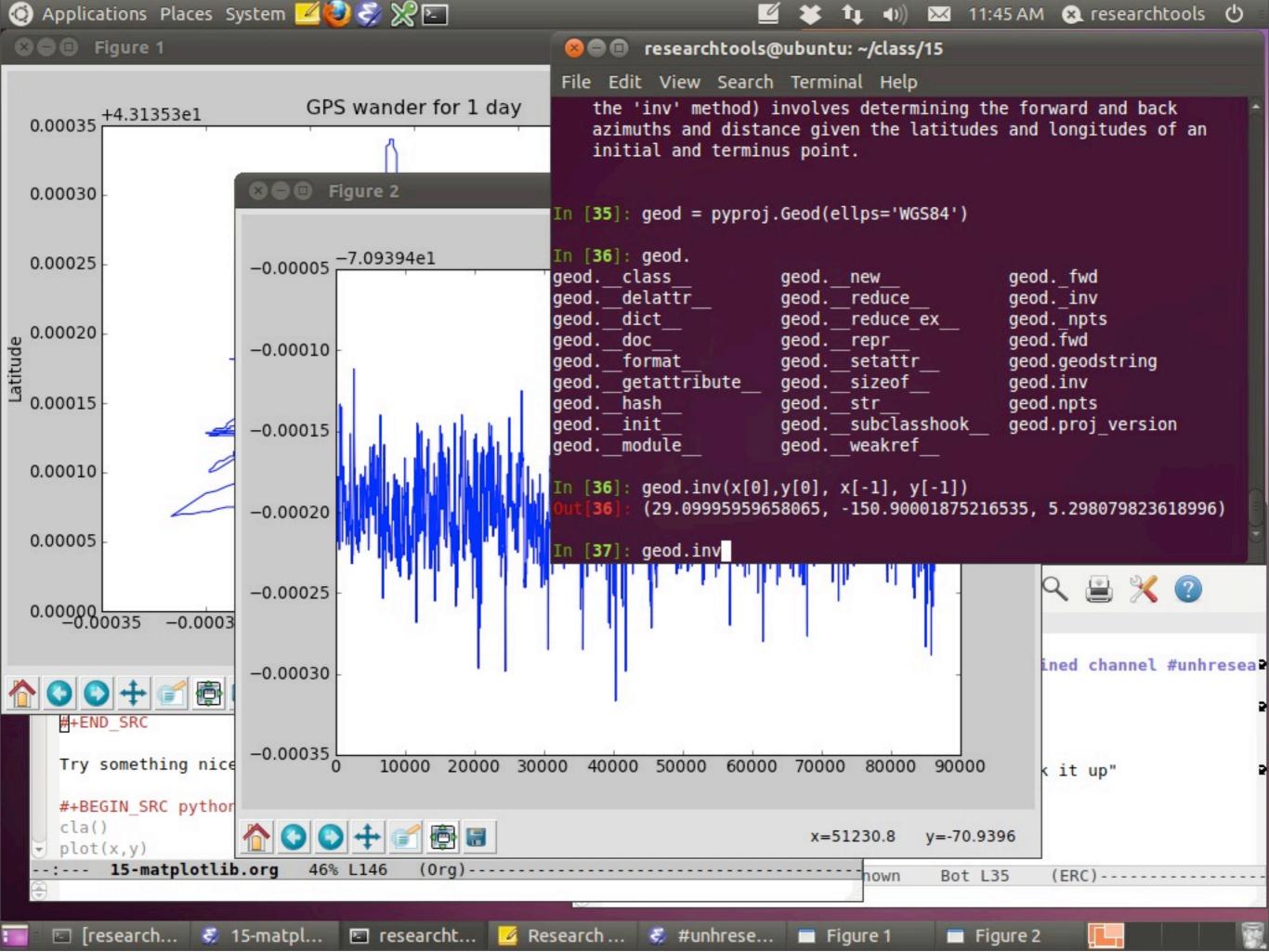
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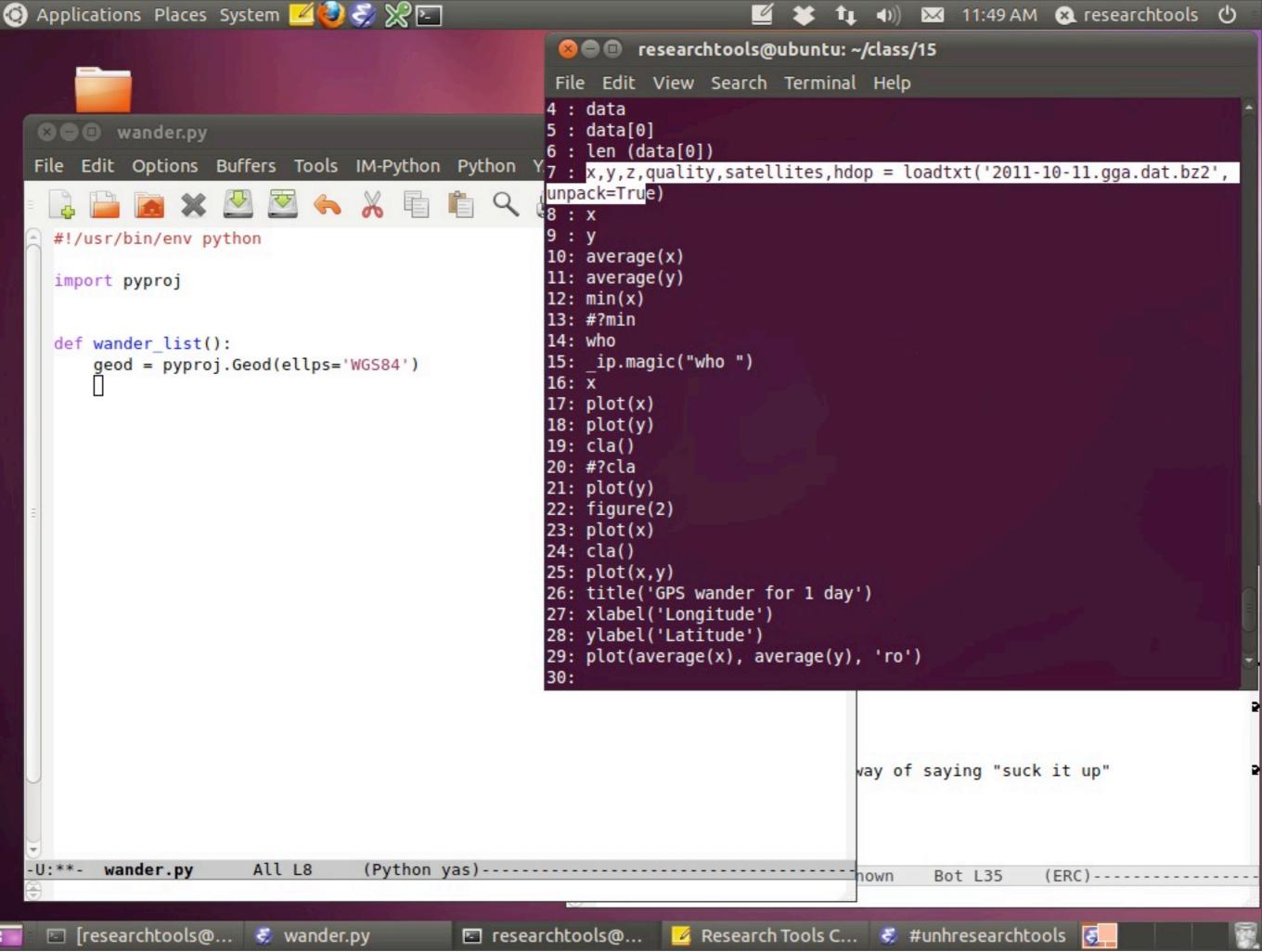
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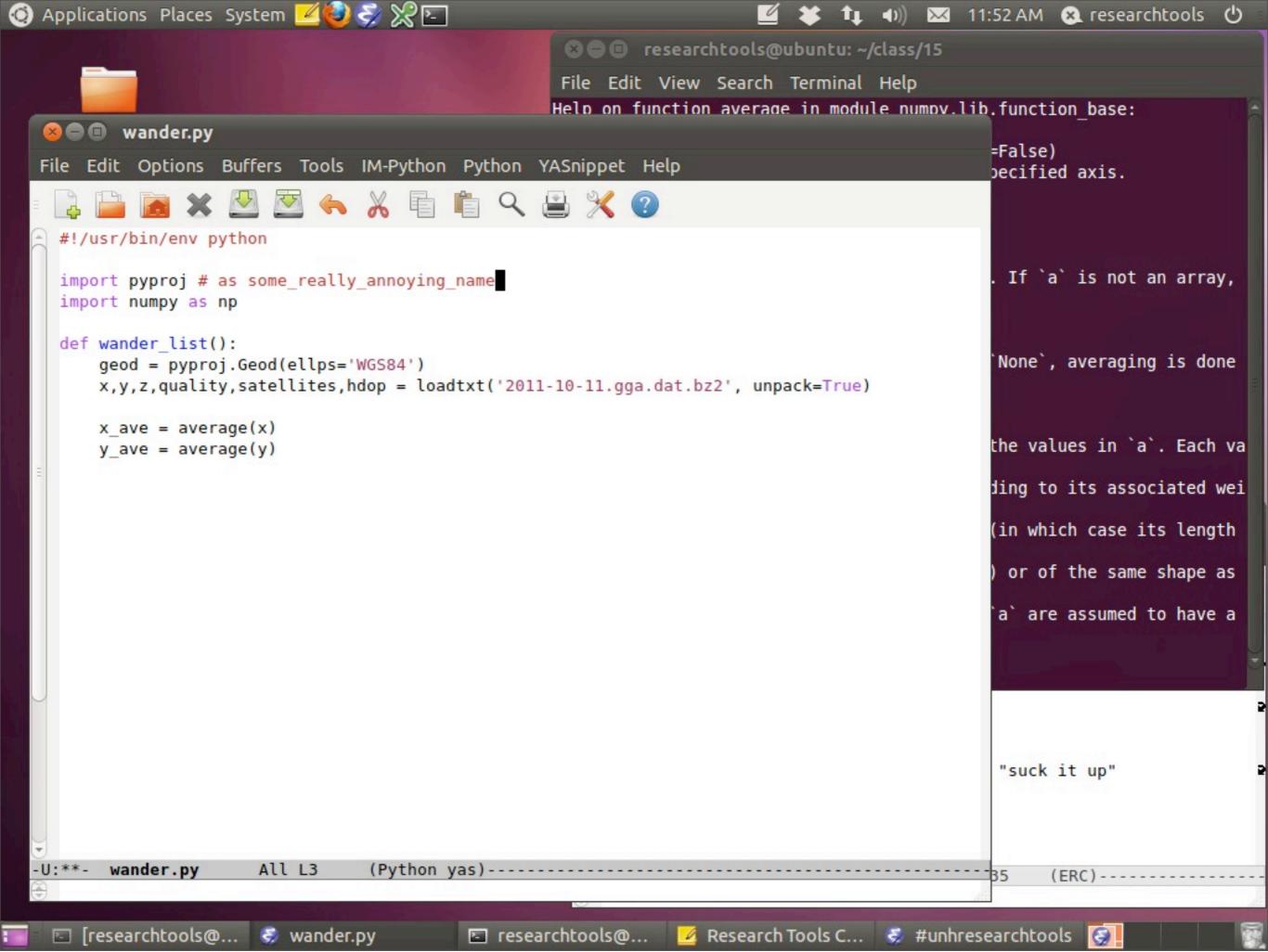


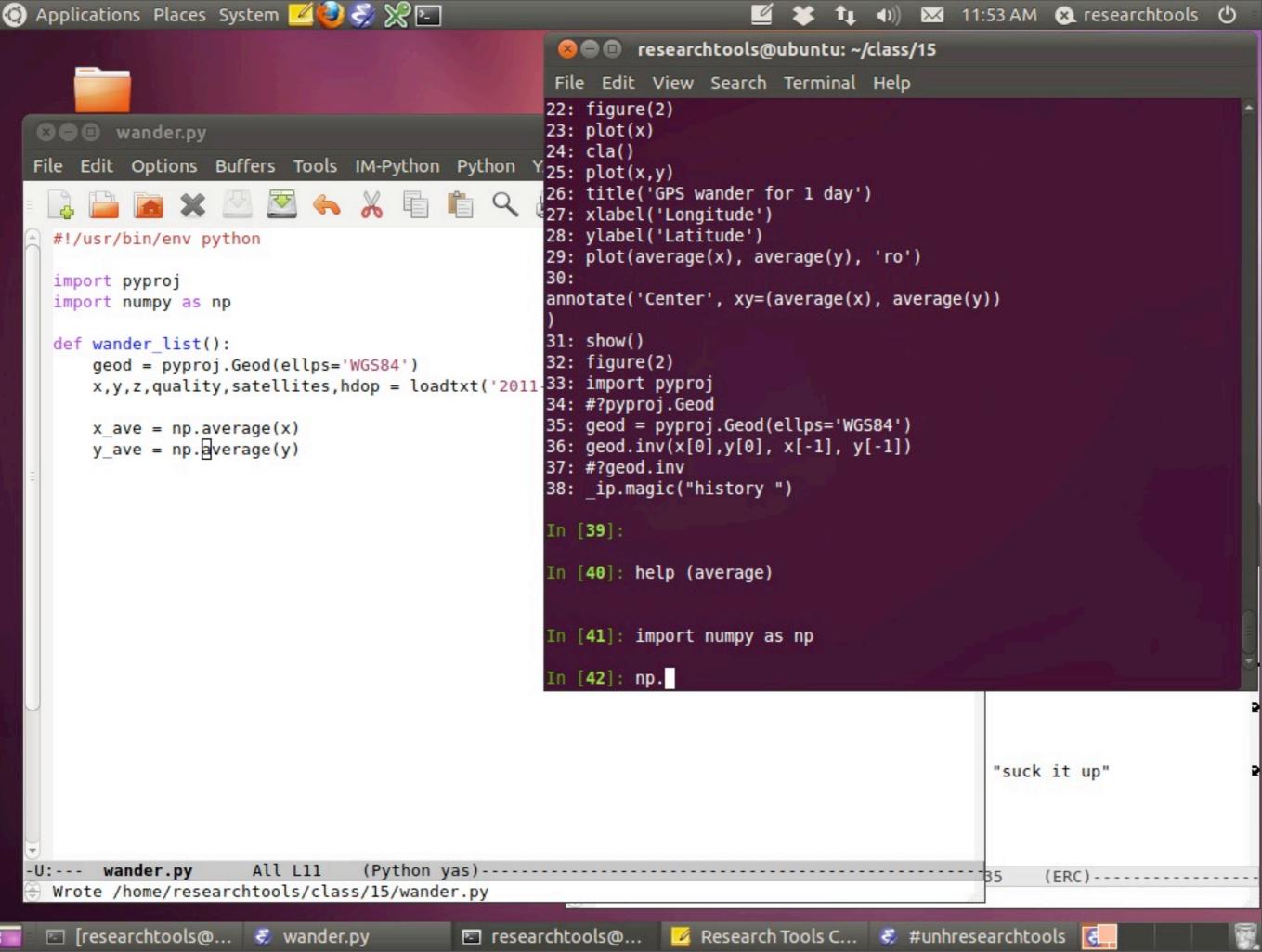
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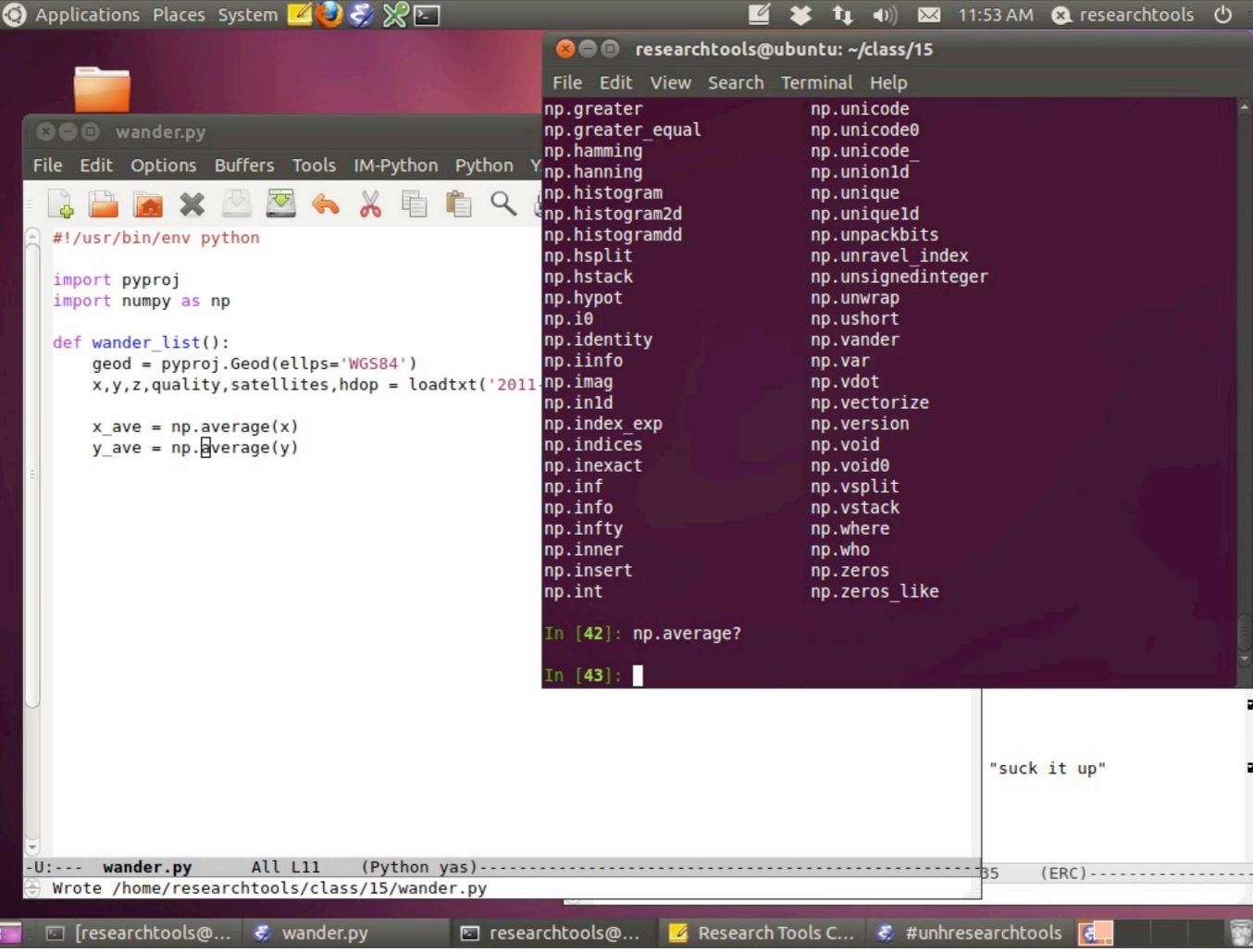


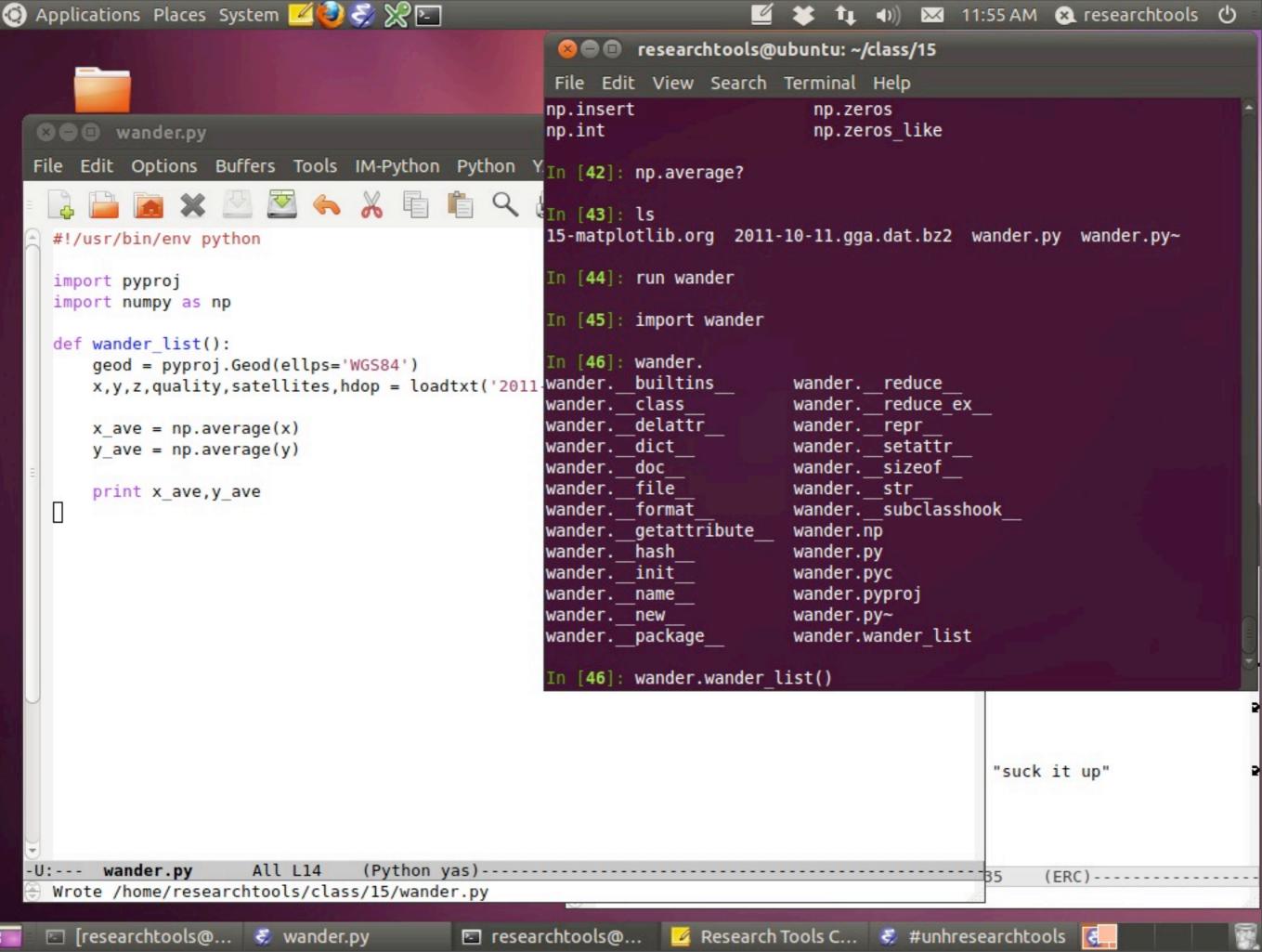
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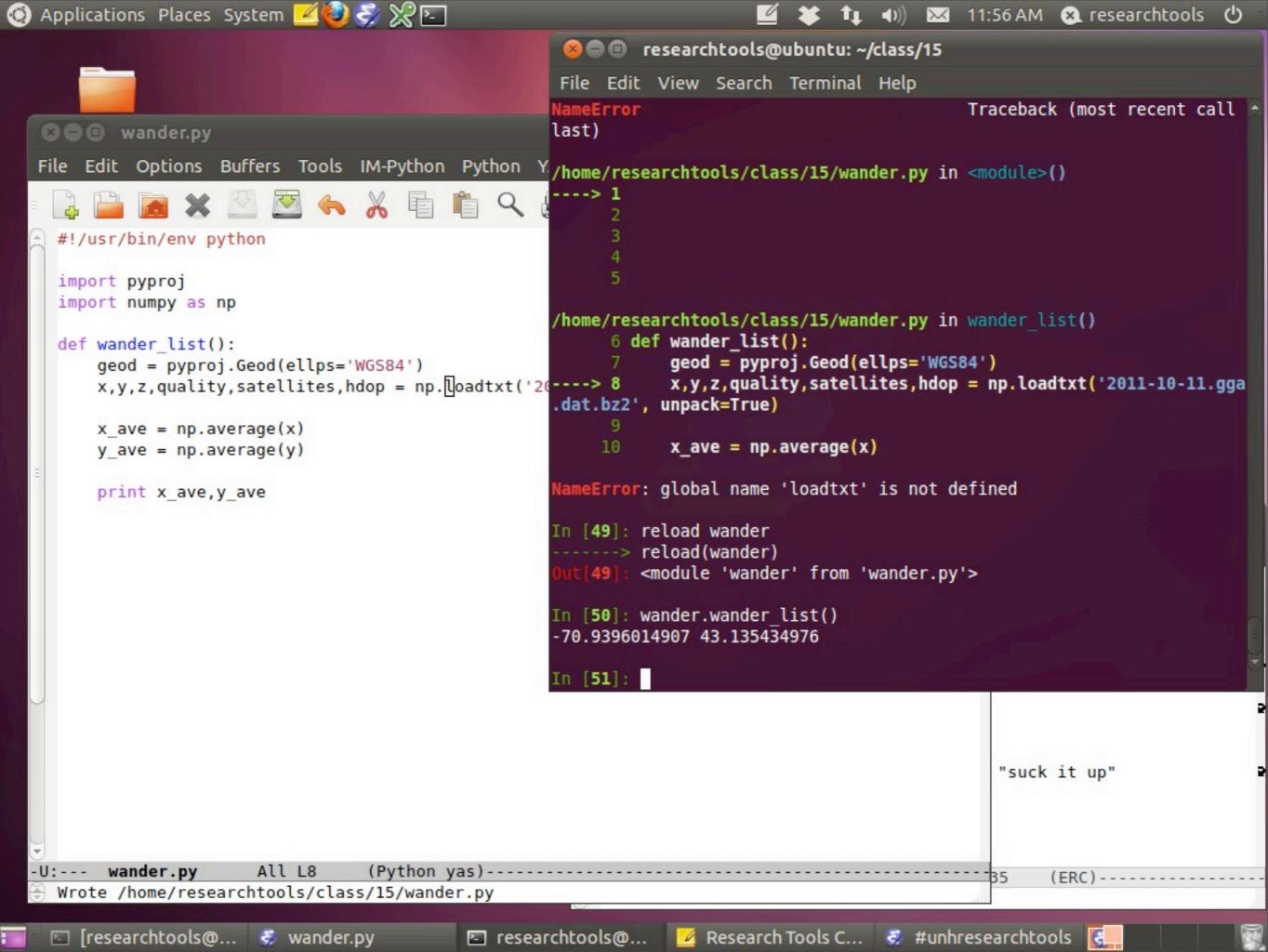


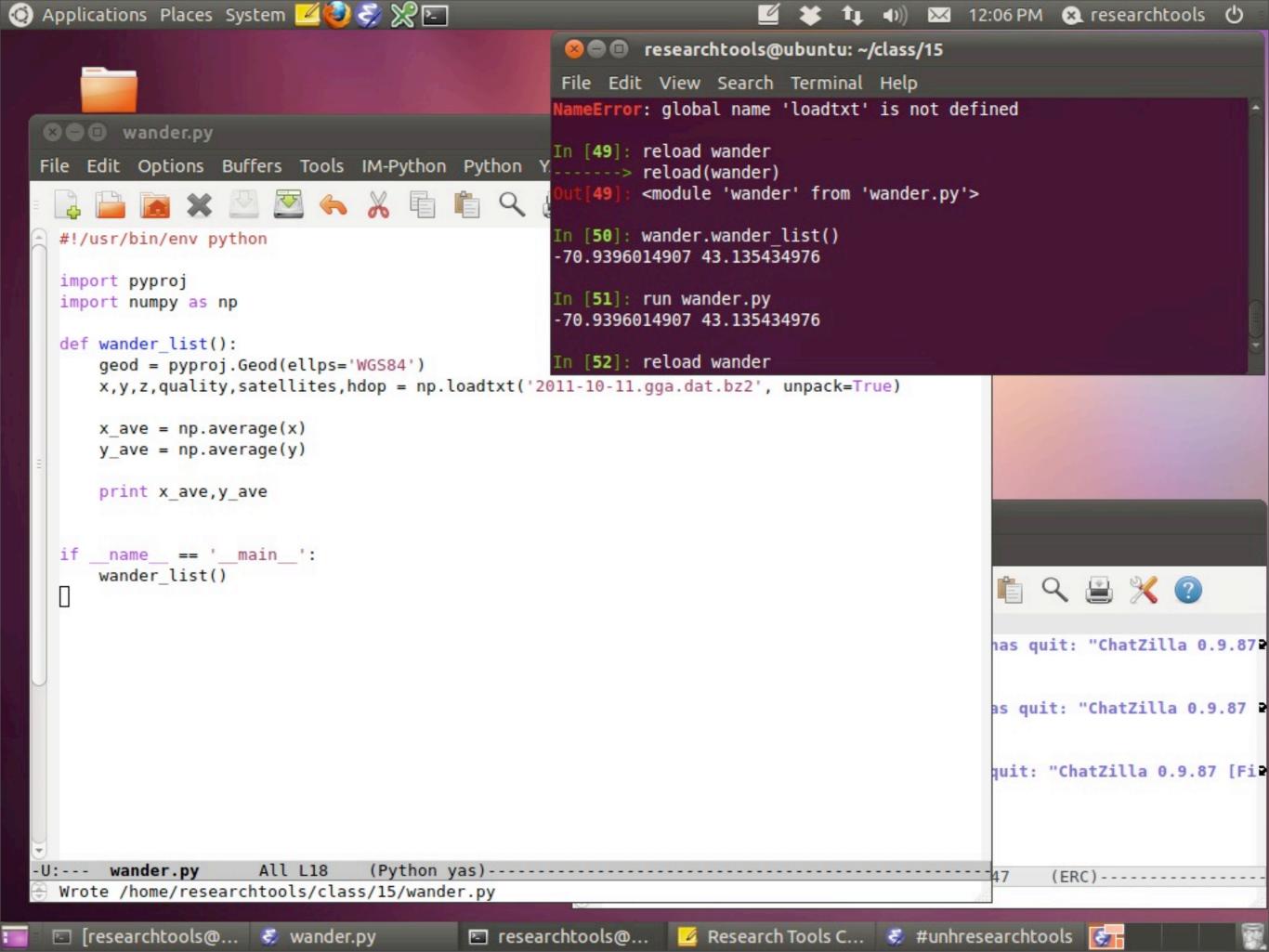


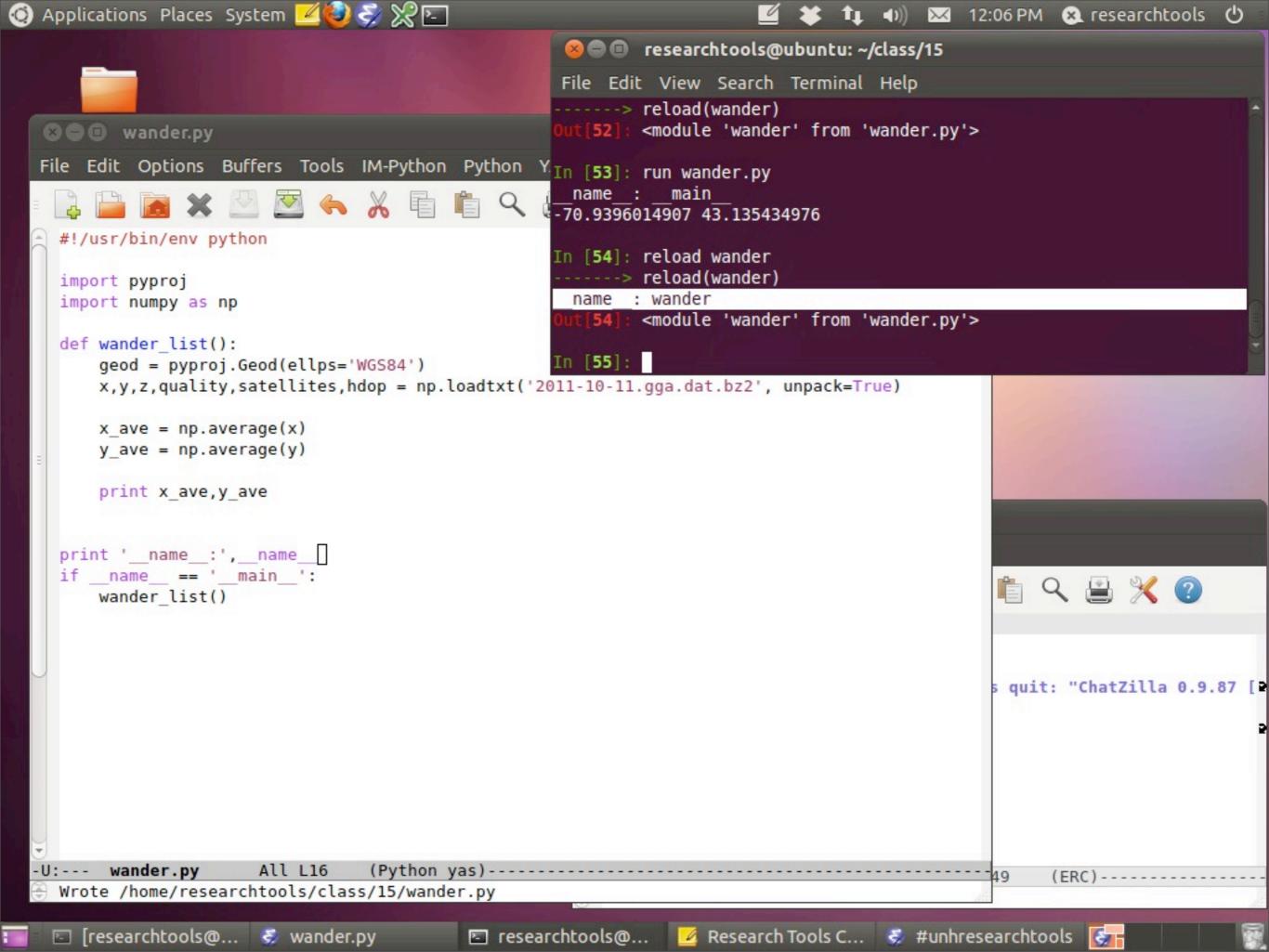


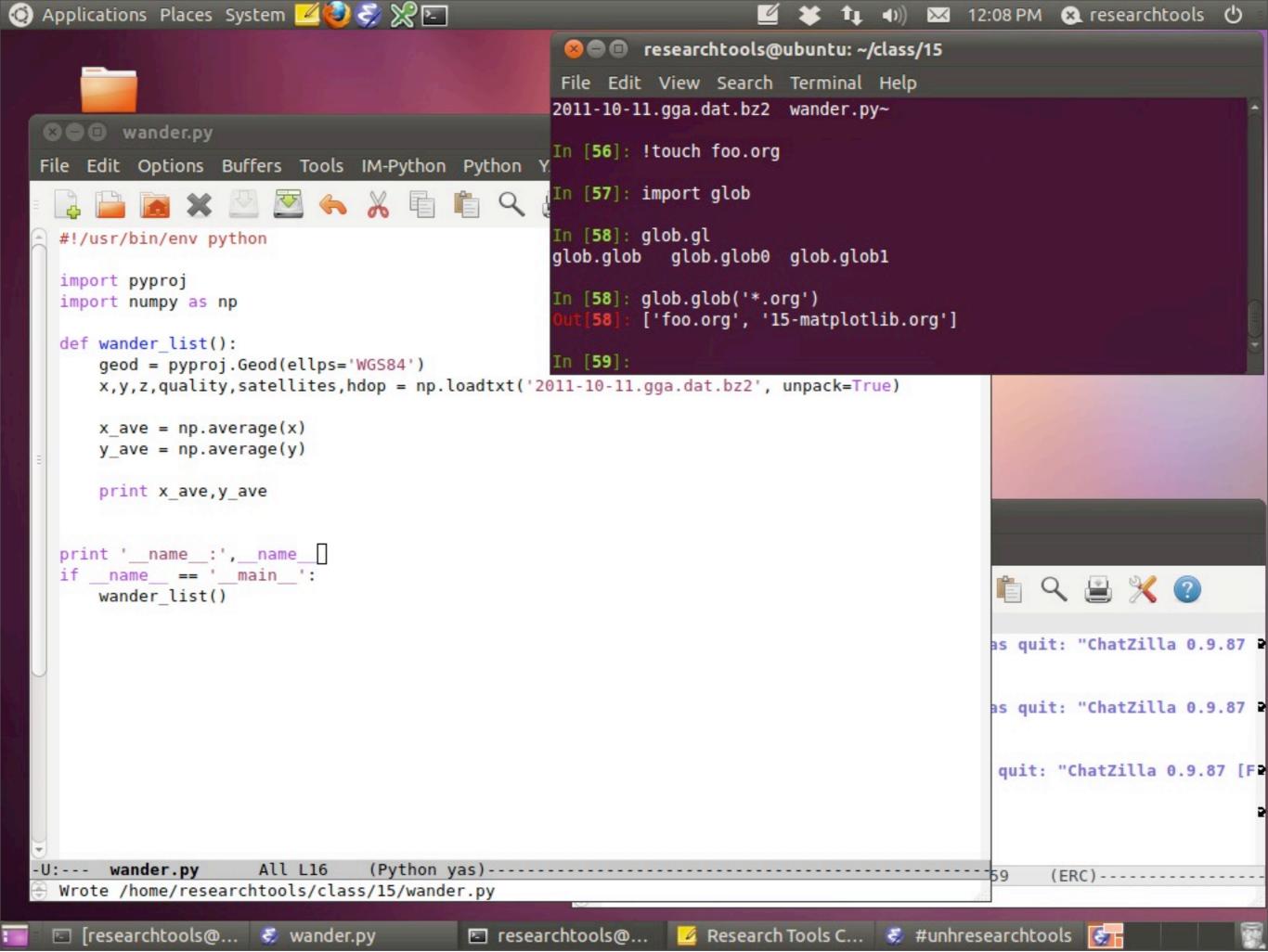












There was a question outside of class about "glob" for finding files. I will try to do a video that talks more about working with files and directories.

