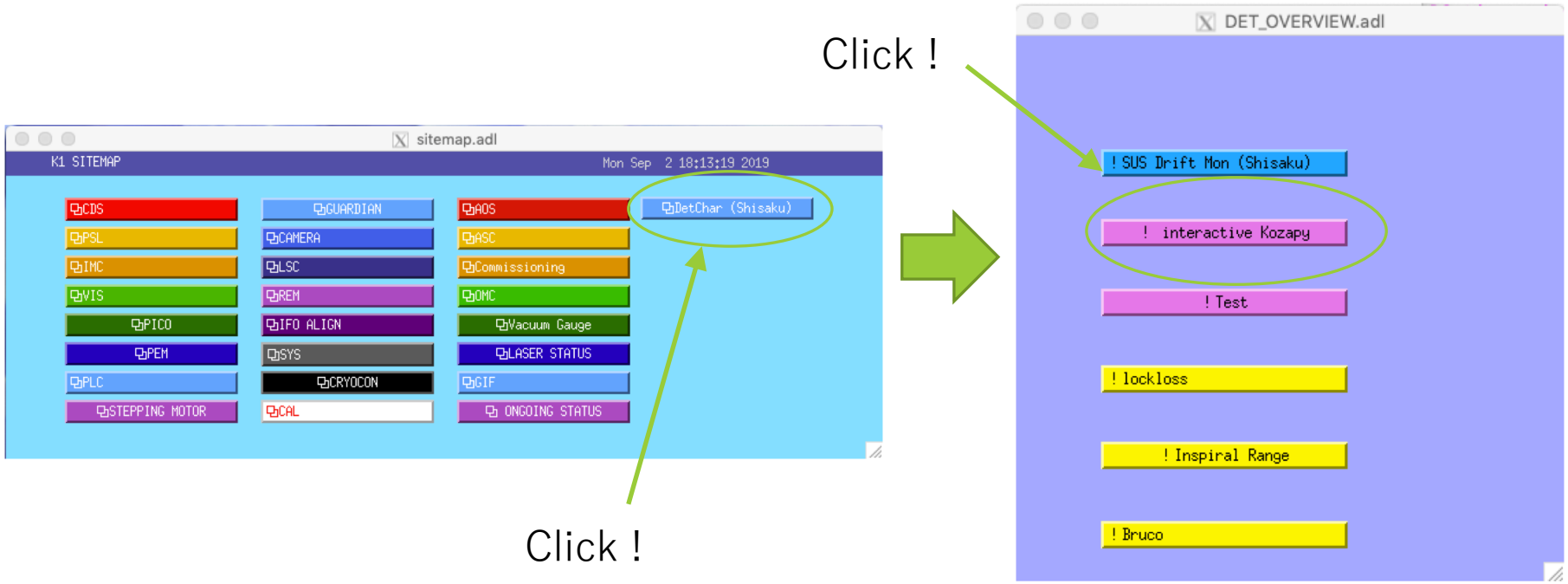
iKozapy tutorial

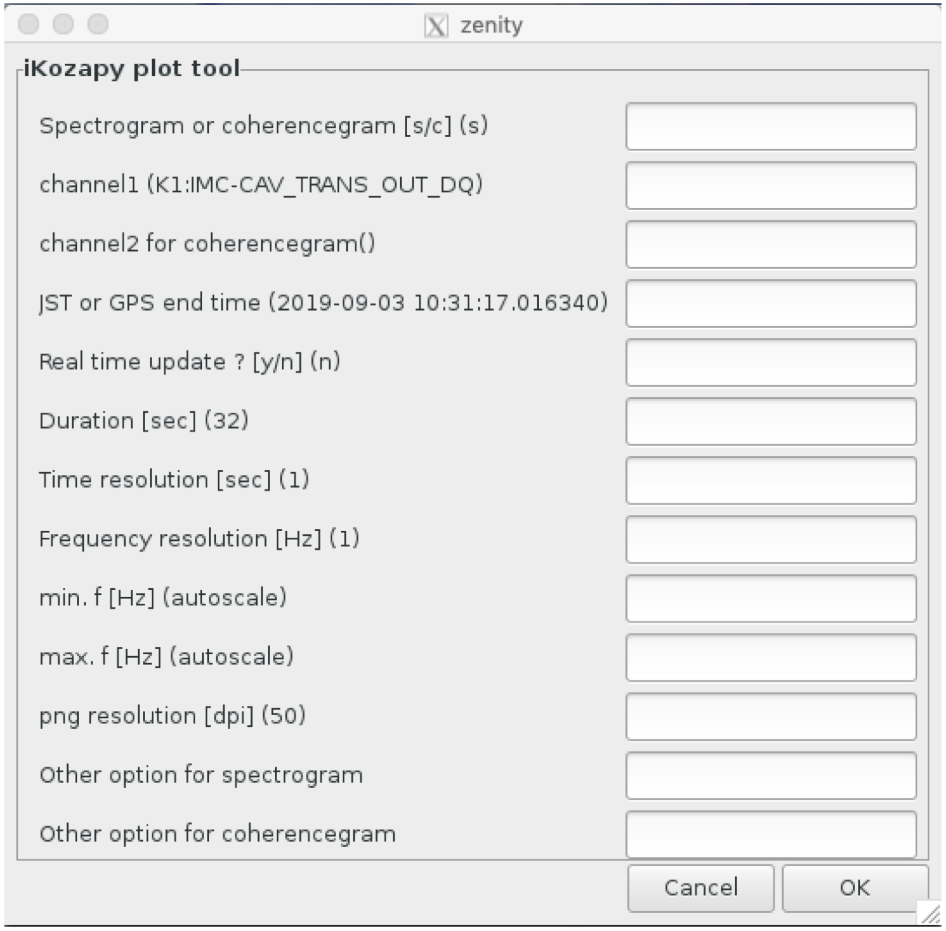
Chihiro Kozakai

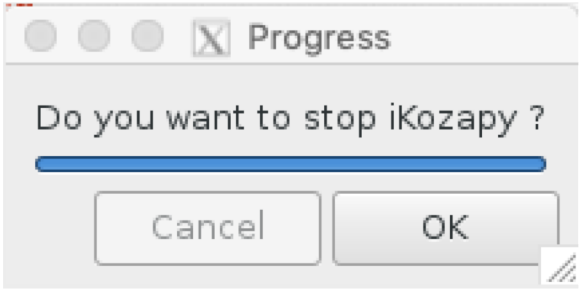
Spectrogram/coherencegram tool

- New GUI tool to make spectrogram or coherencegram. It is available on Kamioka PCs.



- You will get 2 windows. You can start from bigger window.





- If not filled default value is applied (value in ()).

s for spectrogram, c for coherencegram

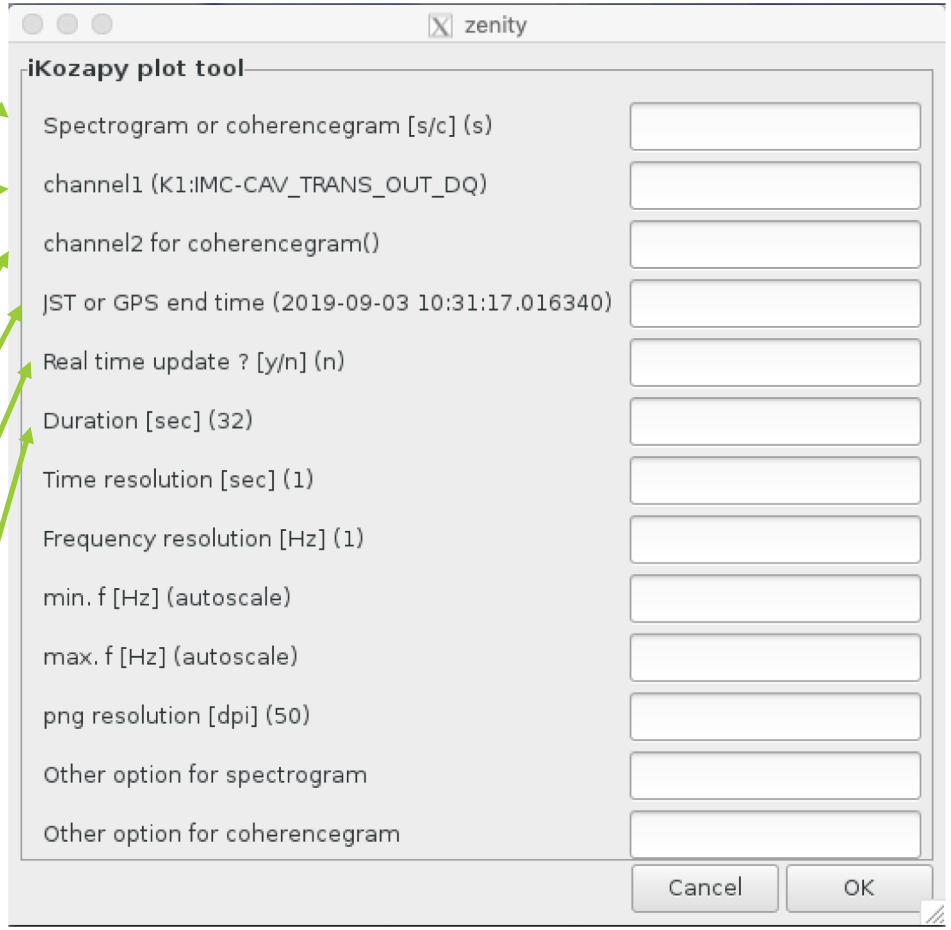
Channel name

2nd Channel name for coherencegram

END time (GPS or JST)

See p7

Data length.



- If not filled, default value is applied (value in ()).

Time resolution is time bin width

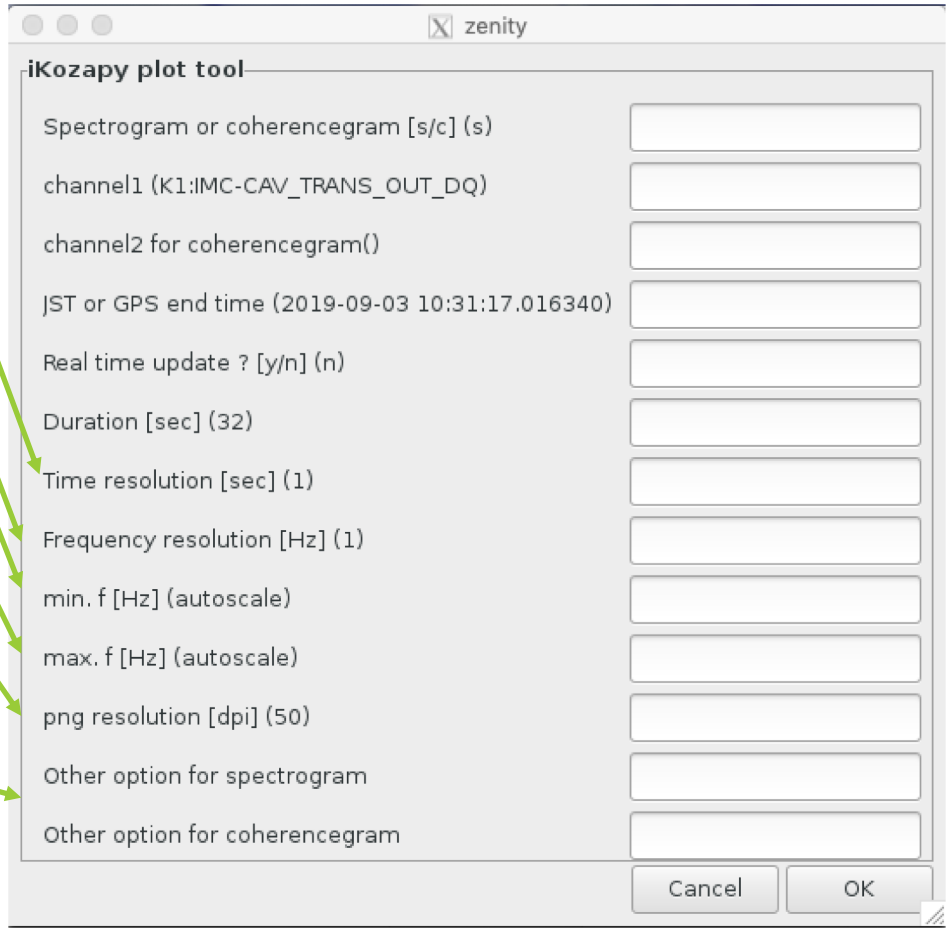
Frequency resolution
(* dt > 1/df is required)

Minimum frequency of the plot

Minimum frequency of the plot

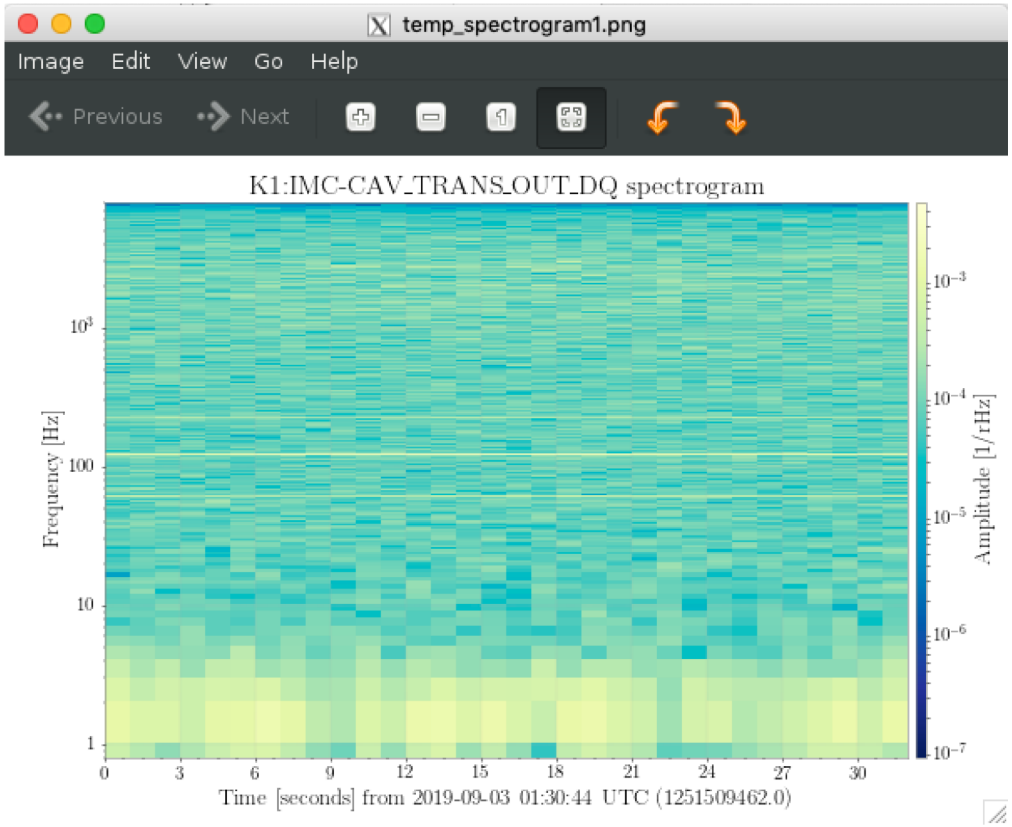
PNG resolution, dot per inch

You can add any option available in kozapy code.
e.g.) -w will apply whitening.



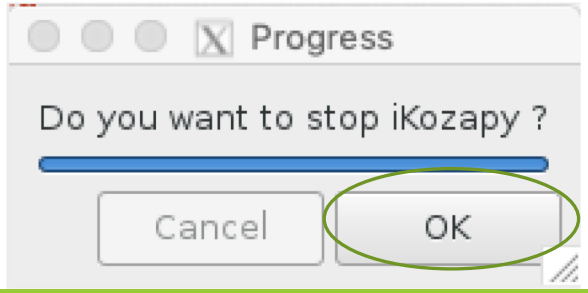
- Click “OK” and you will get the plot in ~10 sec (depends on parameter)

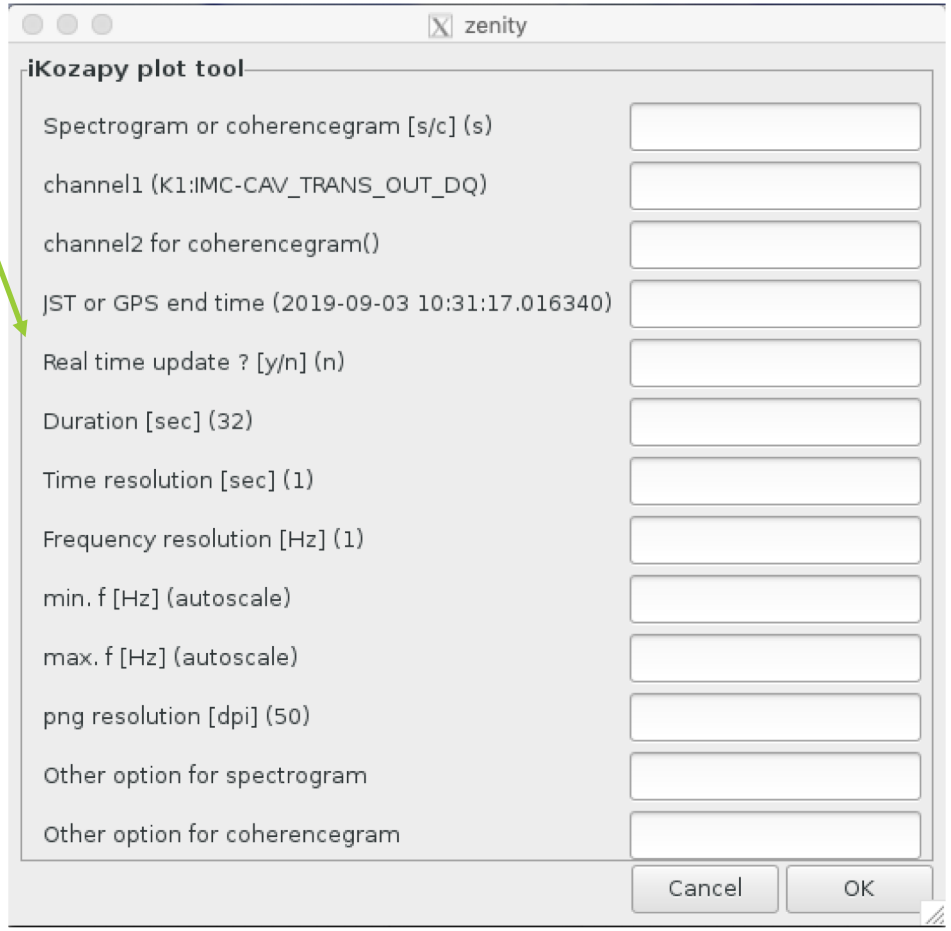
If you need to save the picture, please do it from “Image” tab. Or it will vanish later.



Real time update

- If you set y, the spectrogram will be updated automatically using the most recent data with interval of ~10 sec (depends on parameter).
- When you want to stop it, please press the “OK” in the small window to break infinity loop.





If you don't like GUI...

- Please try Kozapy. https://github.com/gw-detchar/Kozapy
- You can start with only 3 commands in k1sum0/k1sum1/k1det0.
  - http://klog.icrr.u-tokyo.ac.jp/osl/?r=9923
- More flexible and better for multiple plots.
- No function for real time update.