

Pecný, station report



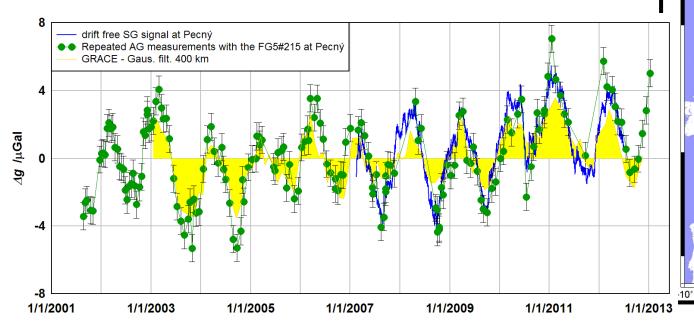
Vojtech Pálinkáš, Miloš Vaľko and Jakub Kostelecký

Research Institute of Geodesy, Topography and Cartography, Czech Republic



Pecný station

OSG-050 running from February 2007



	Number of campaigs	Duration in total [days]	Average daily tidal variation [µGal]	Drops in total	Calibration factor
AG>2 days	9	21	240	73650	-733.49 ± 0.28
AG < 2 days	35	37	180	103450	-733.52 ± 0.29



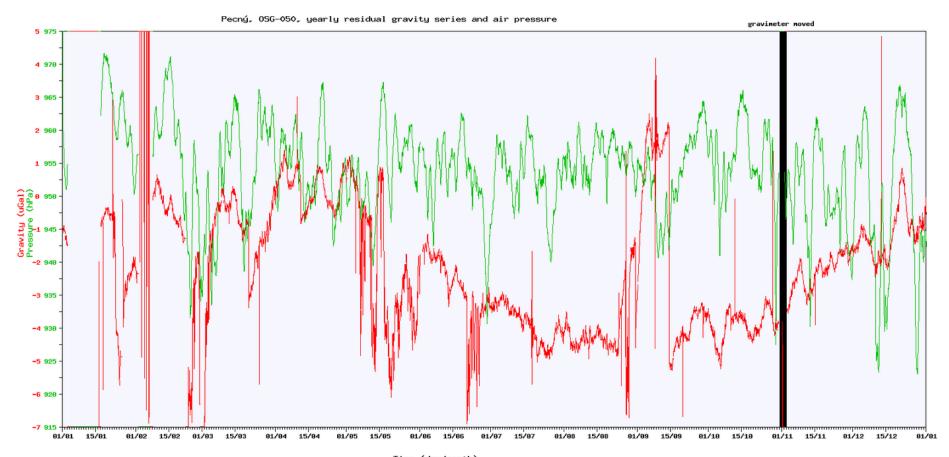
GGP European Stations 1997-2010



Troubles at the Pecný station

Since December 2016 we had several troubles with data storage, DAC and finally with the tilt compensation system. This system was out of operation since 25 January 2017. Tilt corrections have been applied based on Tilt X and Tilt Y balances.

PE - 2017





PE, new location

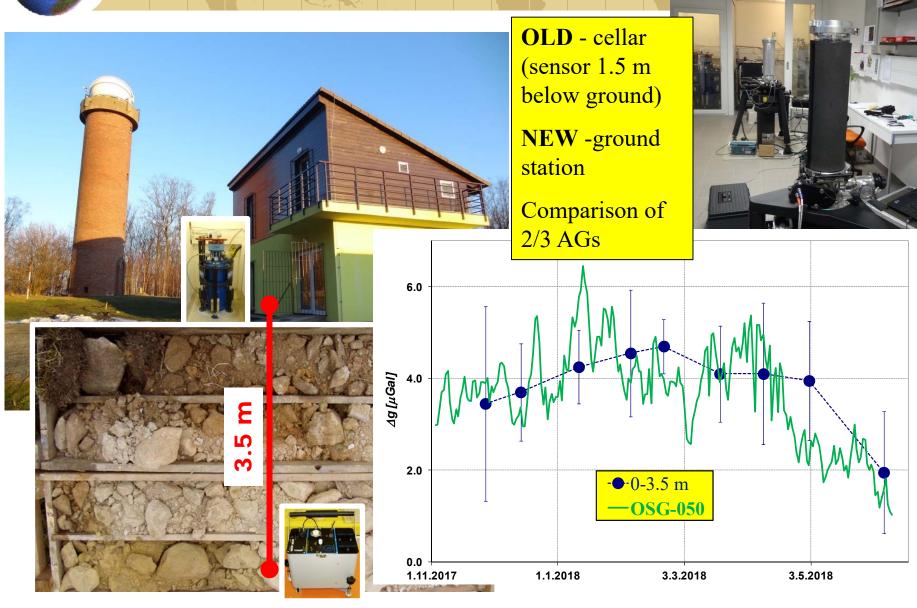
Gravimeter moved to the new laboratory in 1 November 2017. Tilt compesations system

repaired, too.





PE, NEW gravity lab

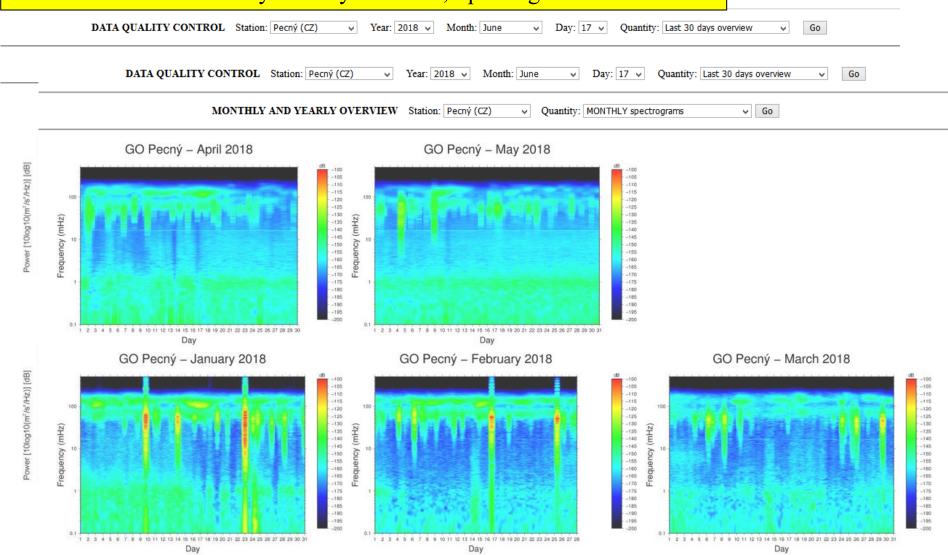




Noise level monitoring, http://oko.pecny.cz/grav/

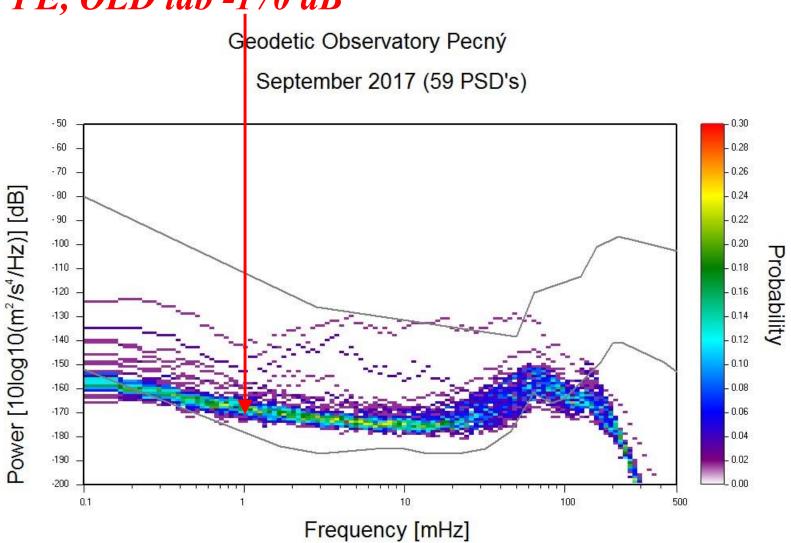
Each Day ⇒ Power Spectral Density from residuals

Each Month ⇒ Probability Density Function, Spectrograms



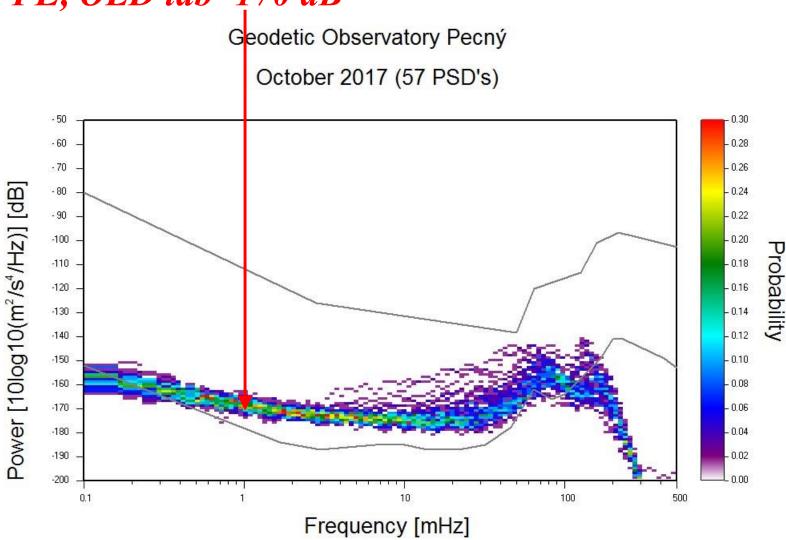


PE, OLD lab -170 dB



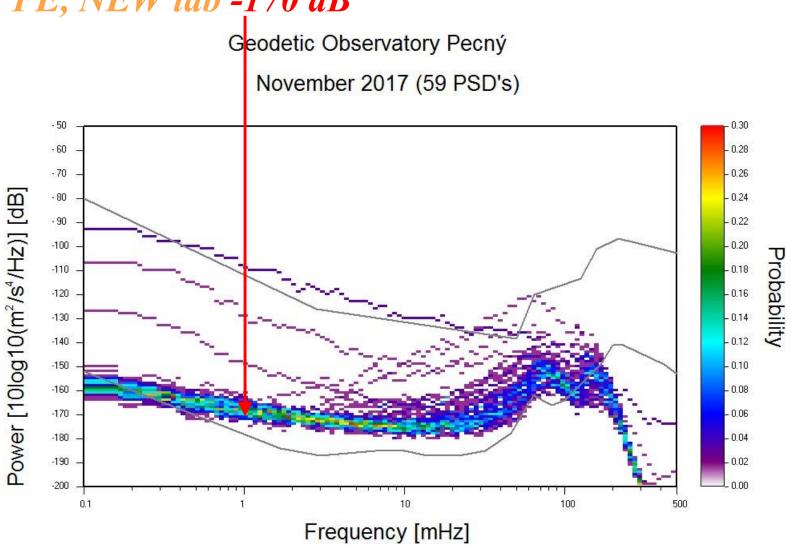


PE, OLD lab -170 dB

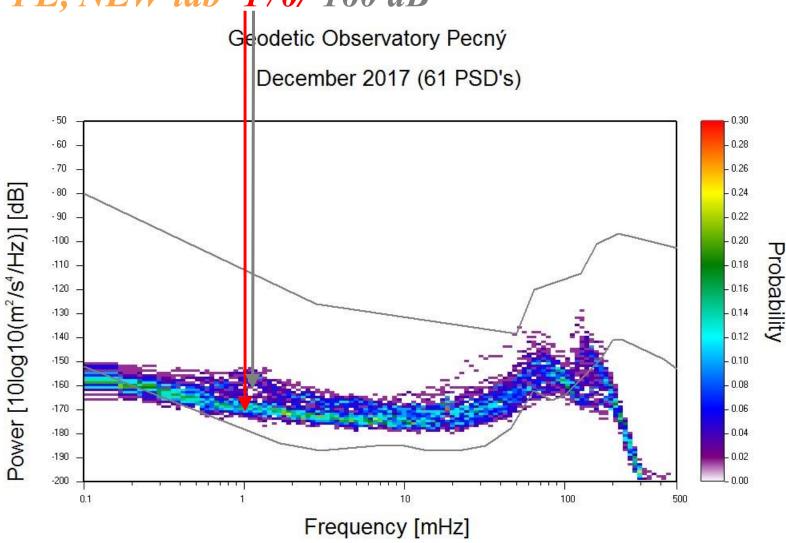




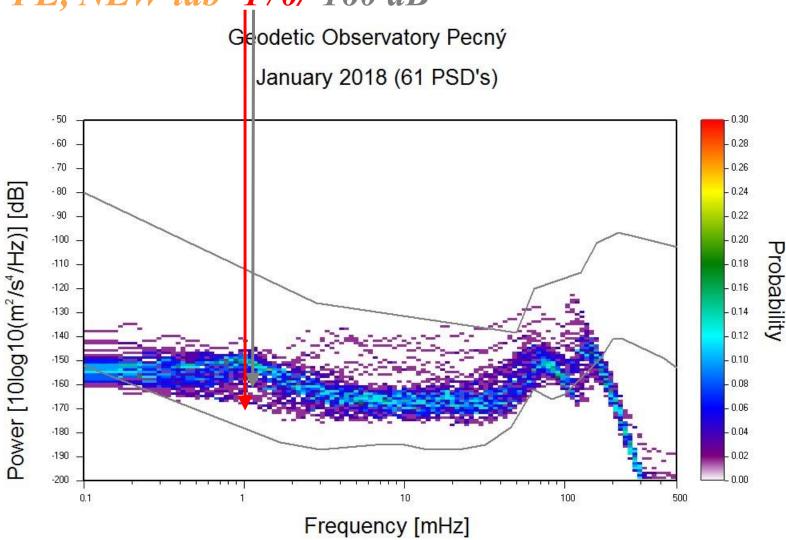
PE, NEW lab -170 dB



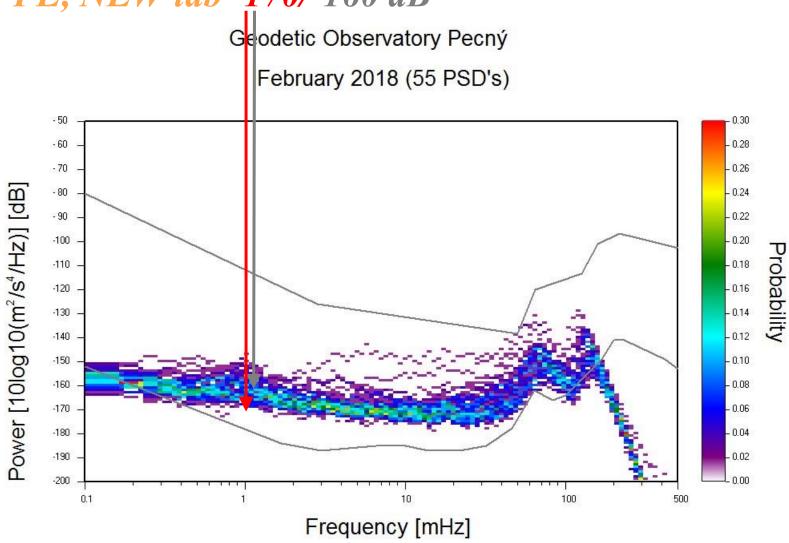




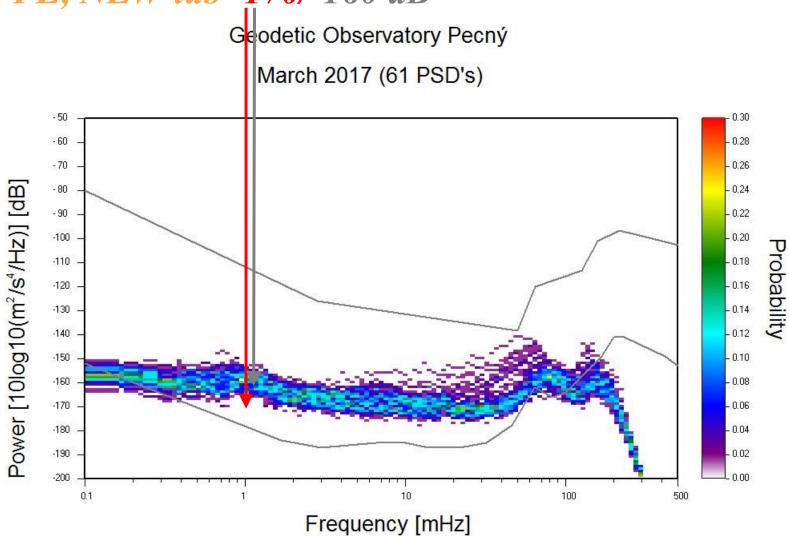


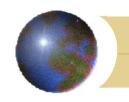


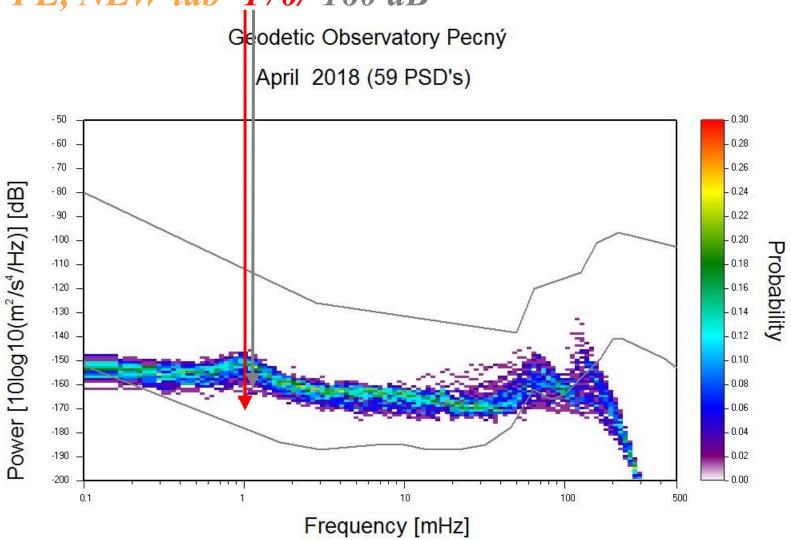




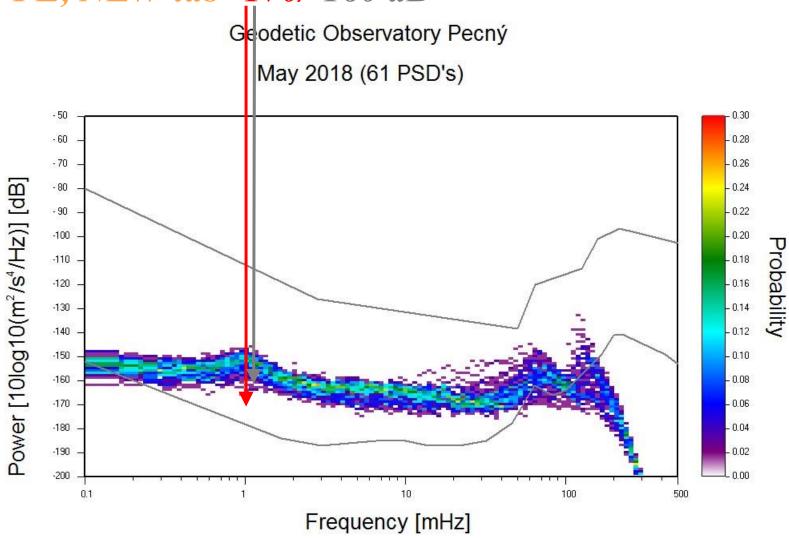








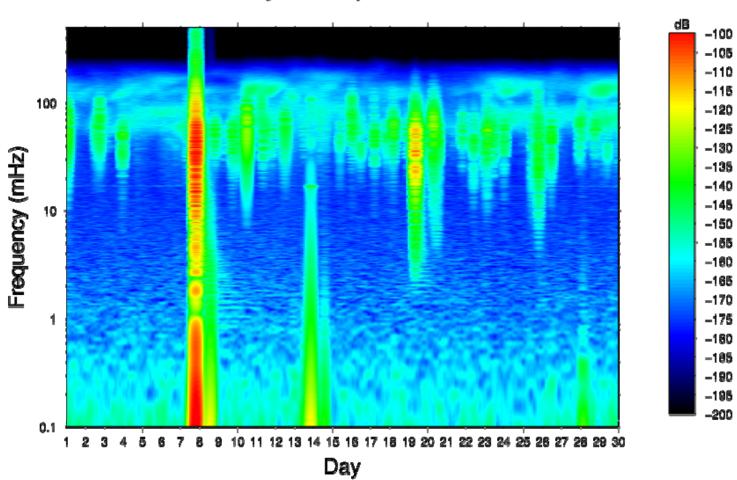






PE, OLD lab

GO Pecný – September 2017

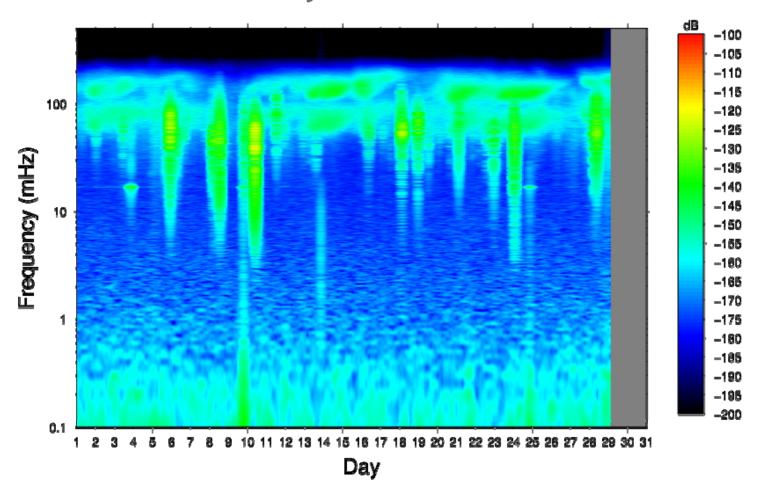






PE, OLD lab

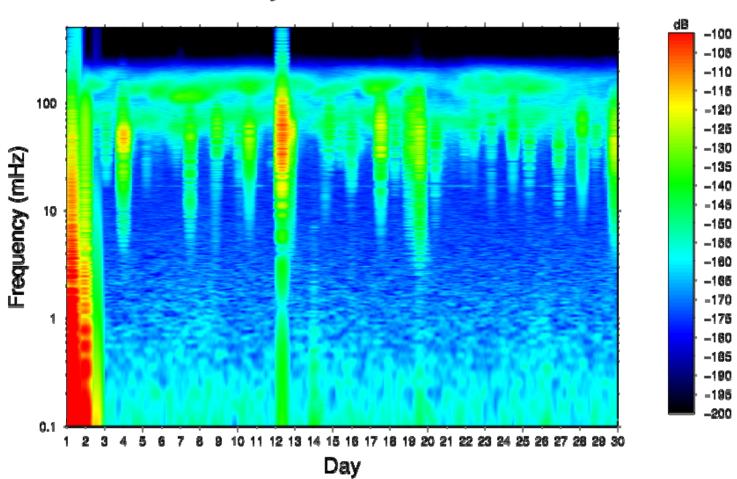
GO Pecný – October 2017



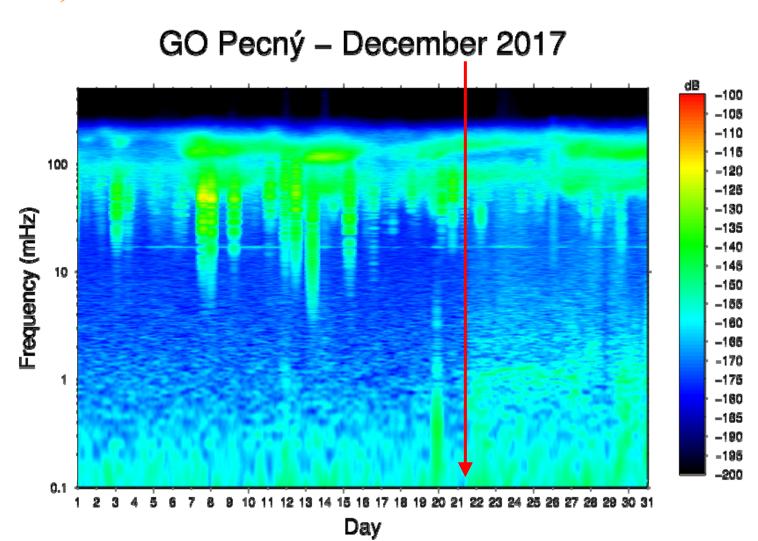


PE, NEW lab

GO Pecný – November 2017



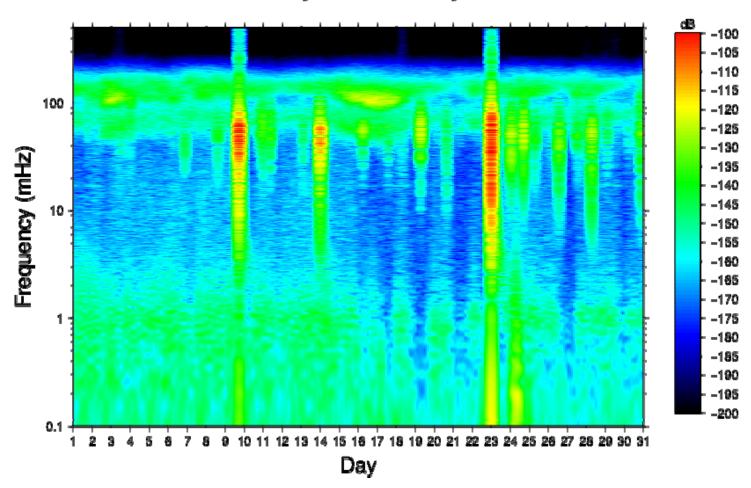
PE, NEW lab





PE, NEW lab

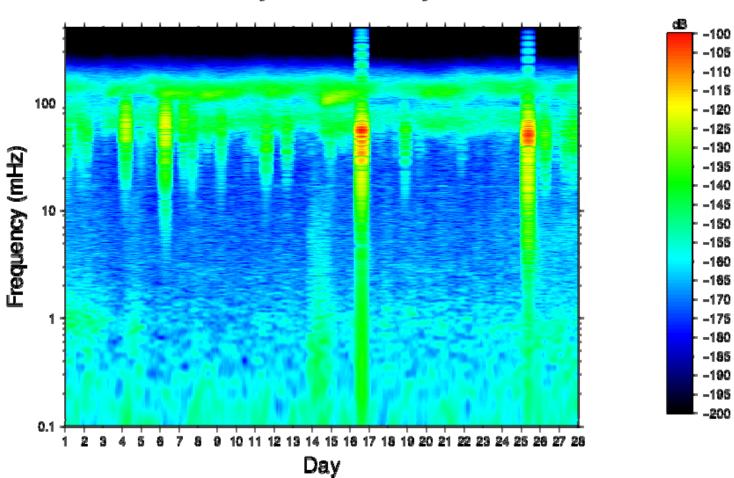
GO Pecný – January 2018





PE, NEW lab

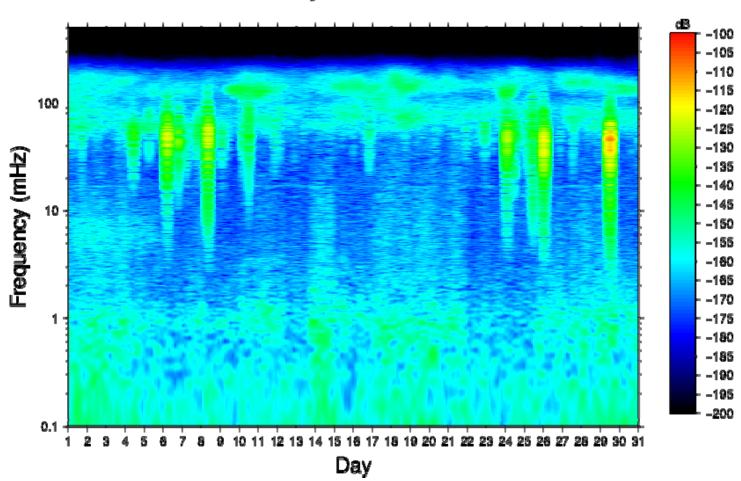
GO Pecný – February 2018





PE, NEW lab

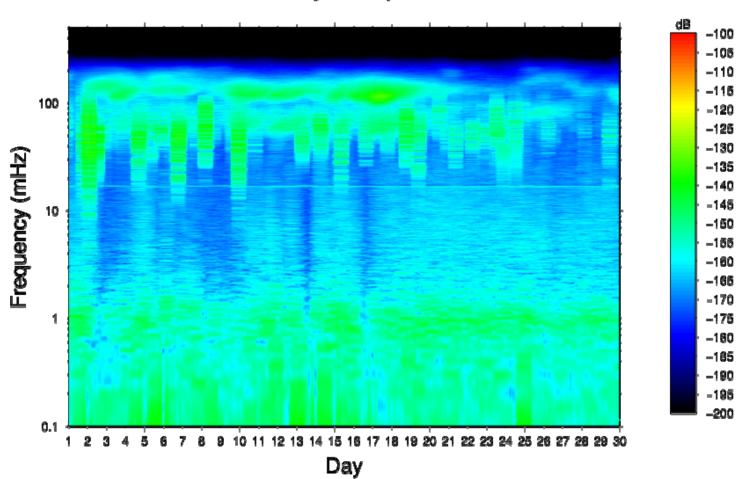
GO Pecný – March 2018





PE, NEW lab

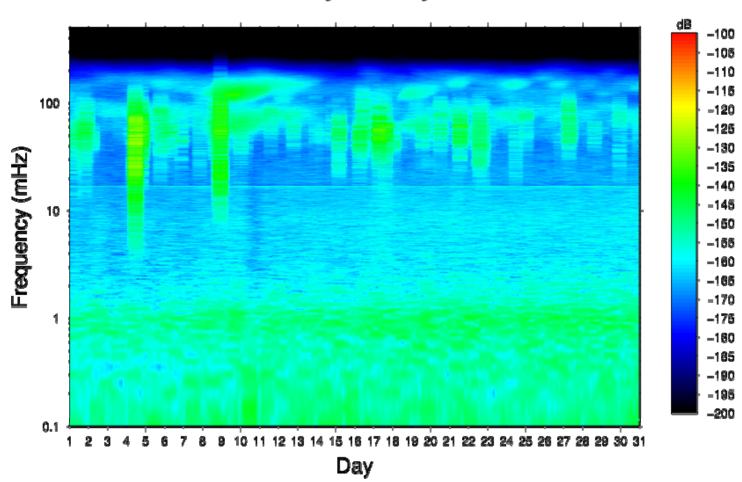
GO Pecný – April 2018



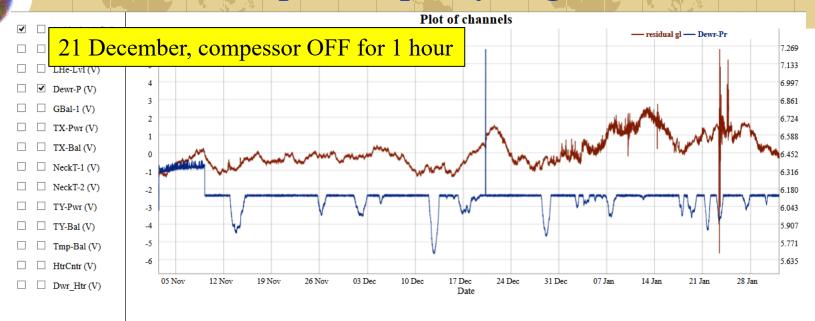


PE, NEW lab

GO Pecný – May 2018

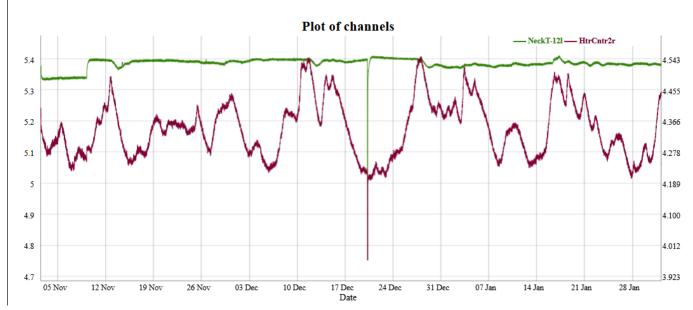


http://oko.pecny.cz/grav/

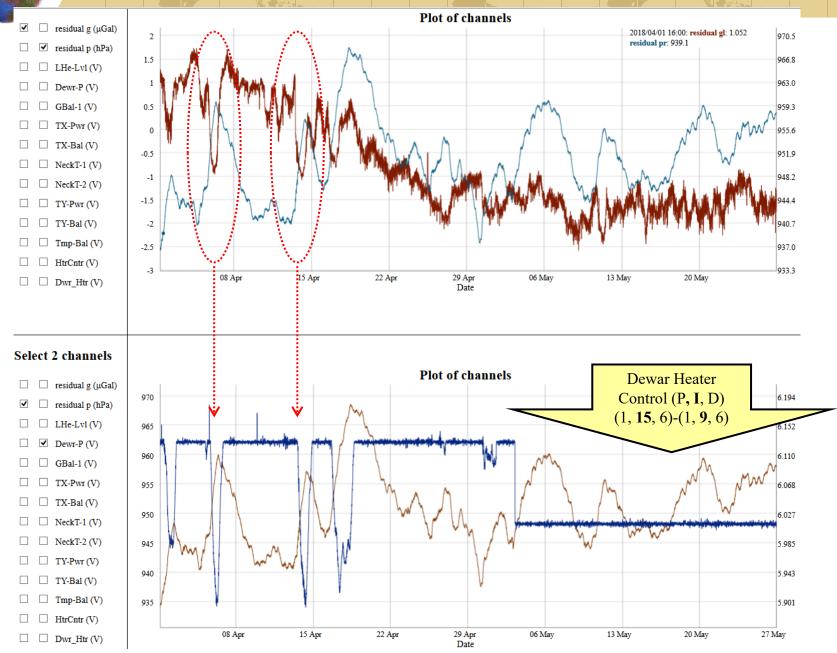


Select 2 channels



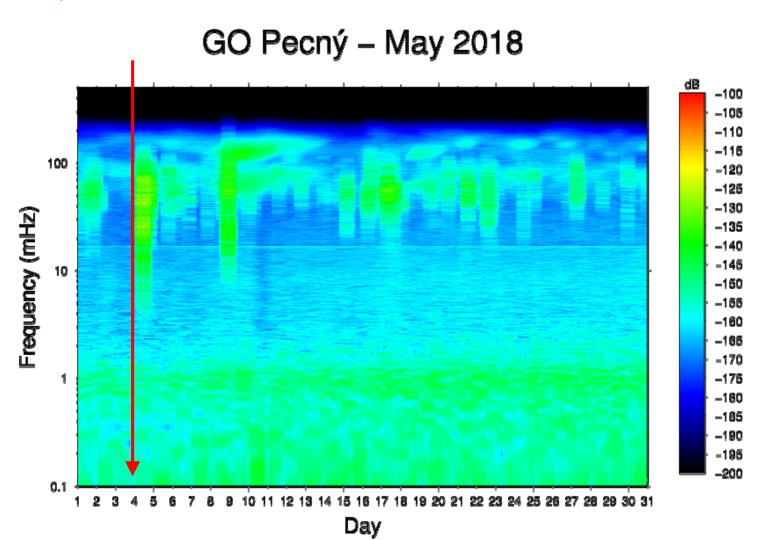


http://oko.pecny.cz/grav/





PE, NEW lab





http://oko.pecny.cz/grav/

Last 30 days overview of residuals

Last week spectral overview

Yearly overview of residuals

Yearly overview of missing data

PE - 2018

