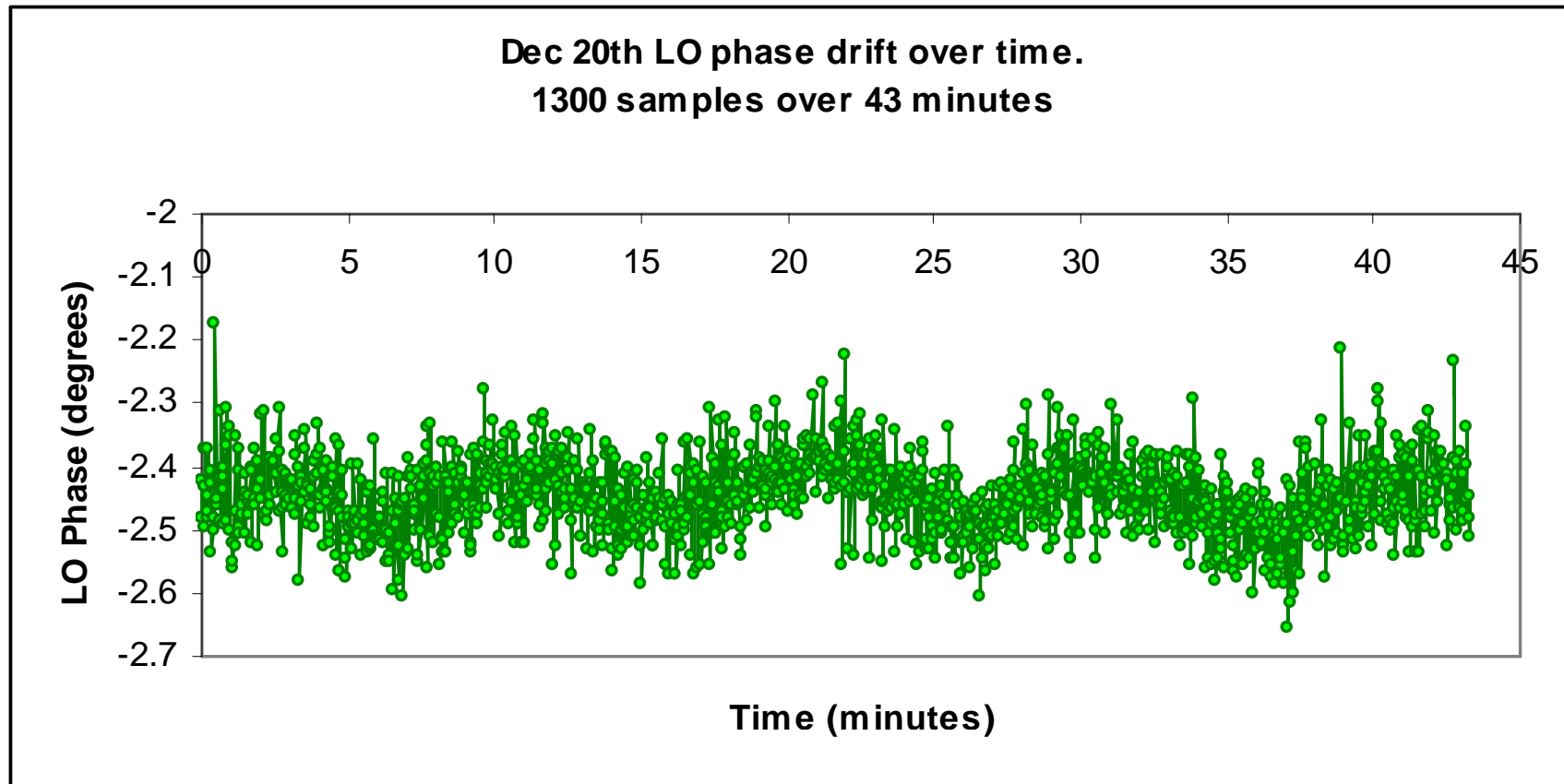
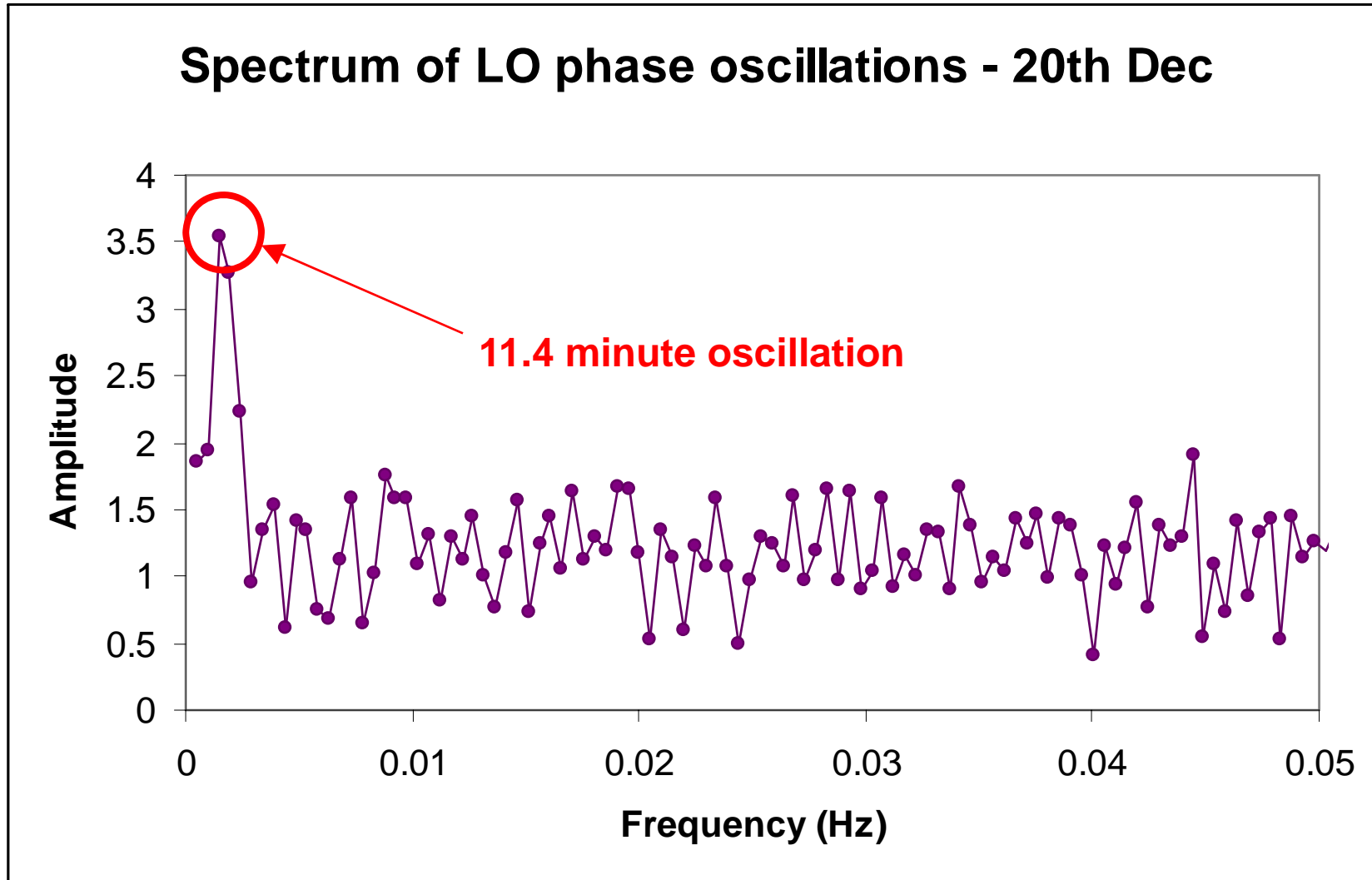


# LO stability 20<sup>th</sup> Dec

- Aligned data that were affected by scope sampling (1300 samples)

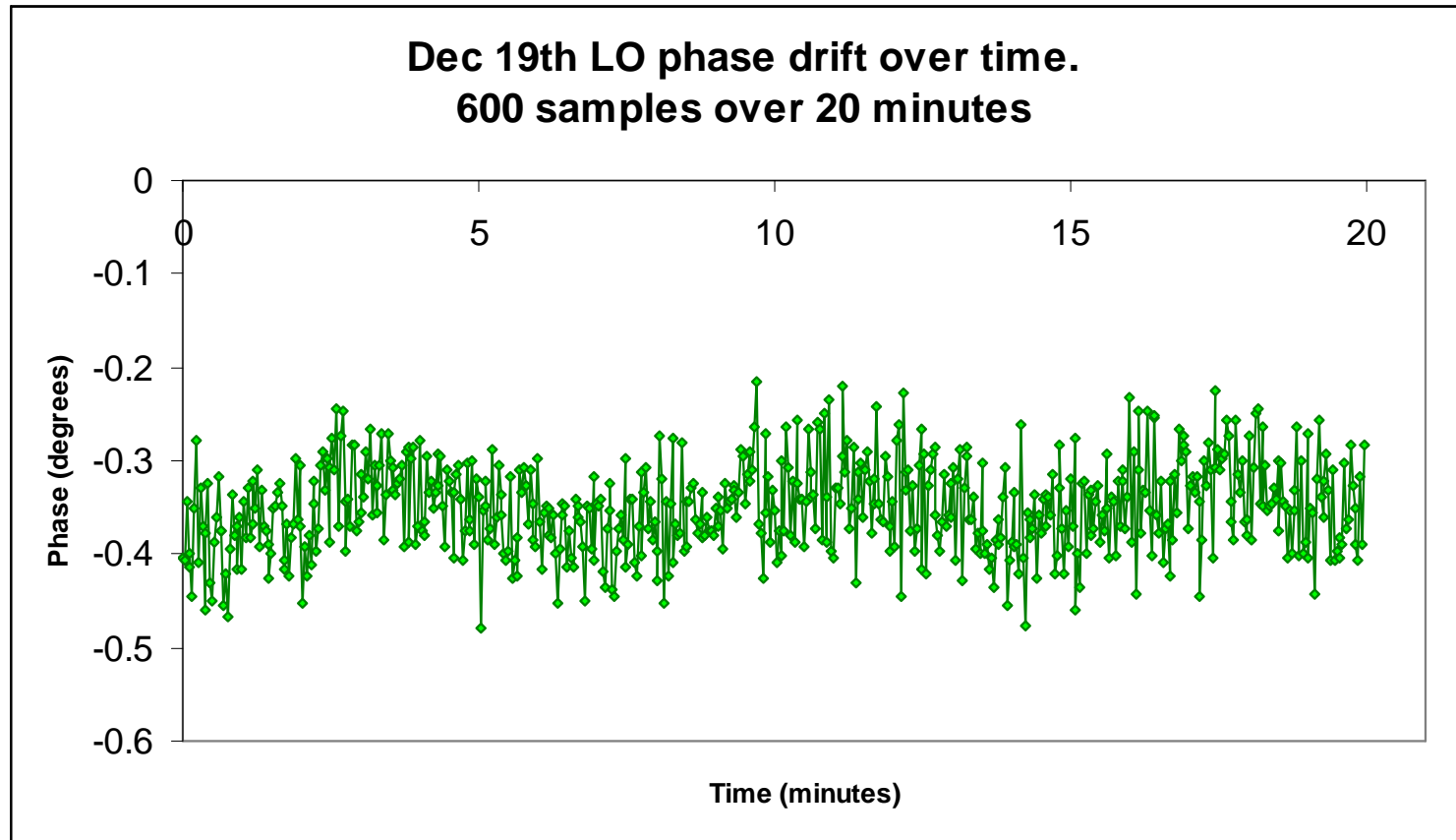


# Spectrum 20<sup>th</sup> Dec



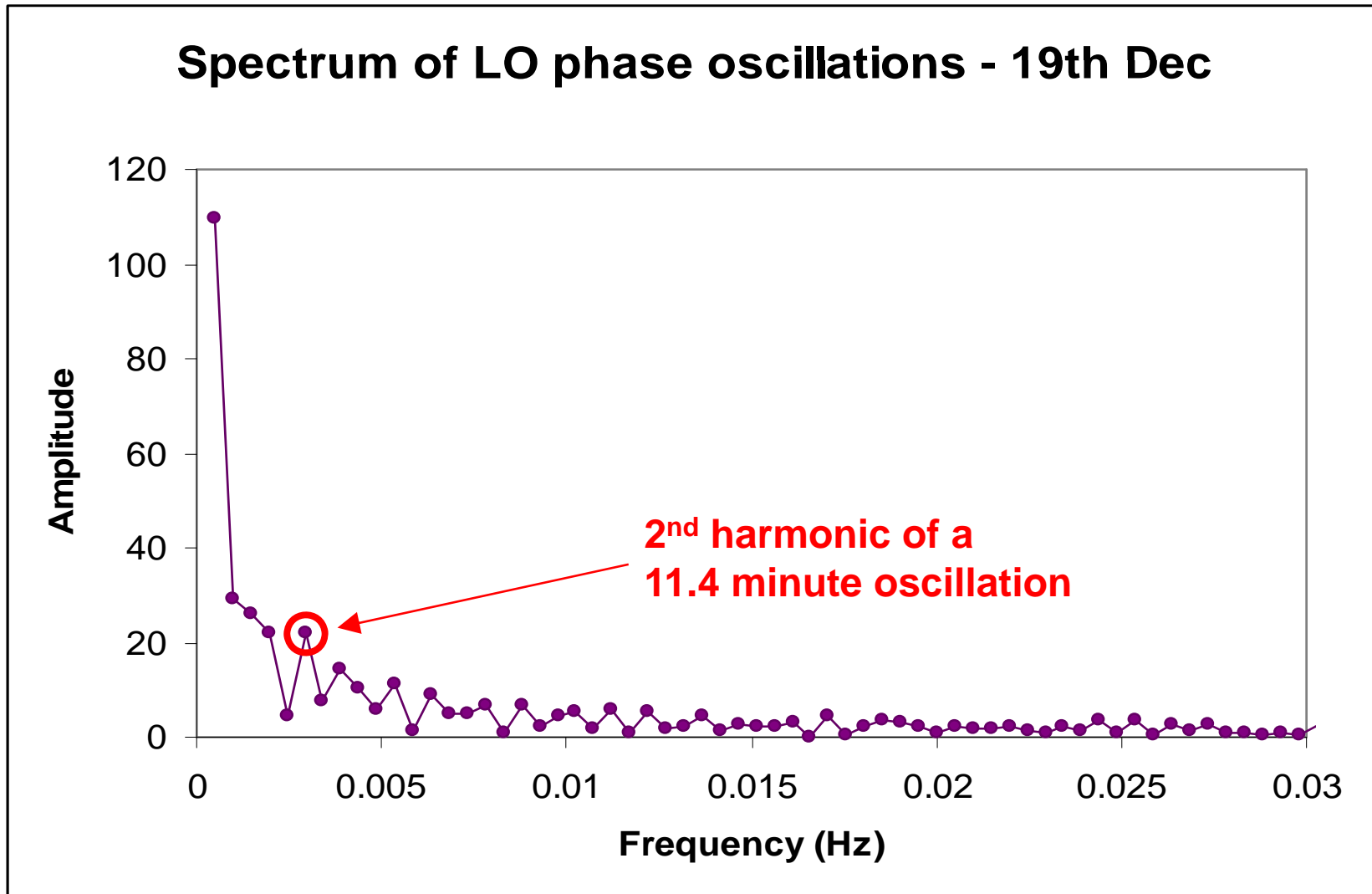
# LO stability 20<sup>th</sup> Dec

- Aligned data again (600 samples)

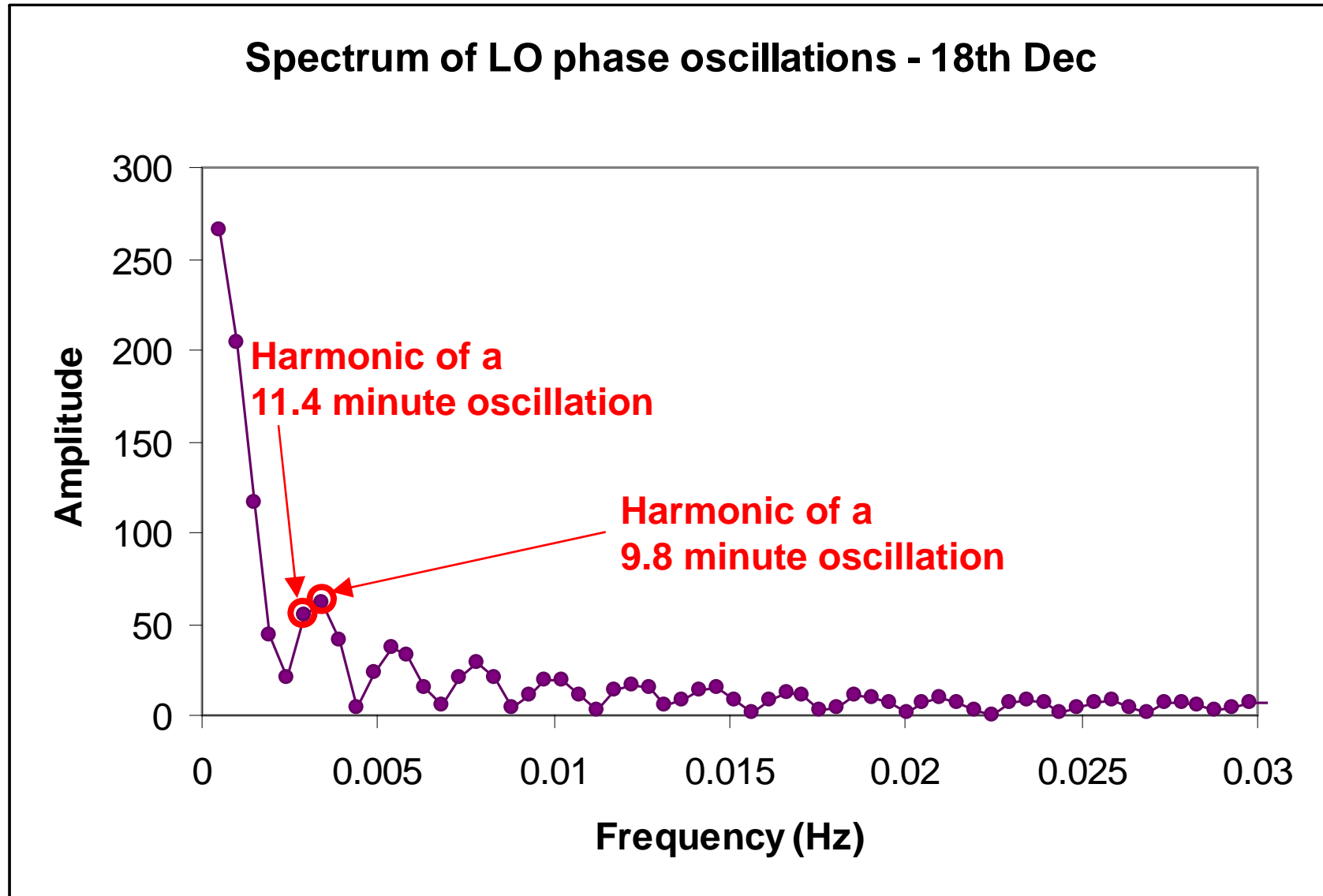


- Had to pad data to get required resolution
- Oscillation frequency hidden, 2<sup>nd</sup> harmonic visible

# Spectrum 19th Dec



# Spectrum 19th Dec



## LO summary

Date	Sigma (long term)	Phase drift period
18 <sup>th</sup> Dec	1.0 deg.	?
19 <sup>th</sup> Dec	1.2 deg.	11.4 min?
20 <sup>th</sup> Dec	1.6 deg.	11.4 min

- Future investigations should run >40 minutes to further investigate oscillations