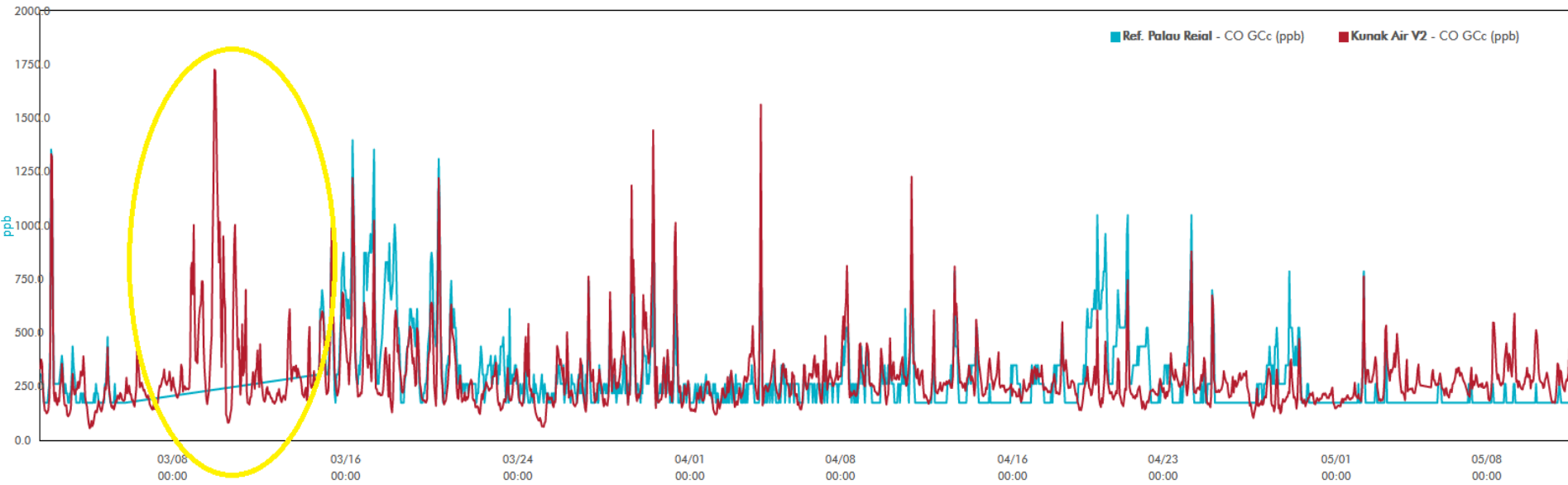
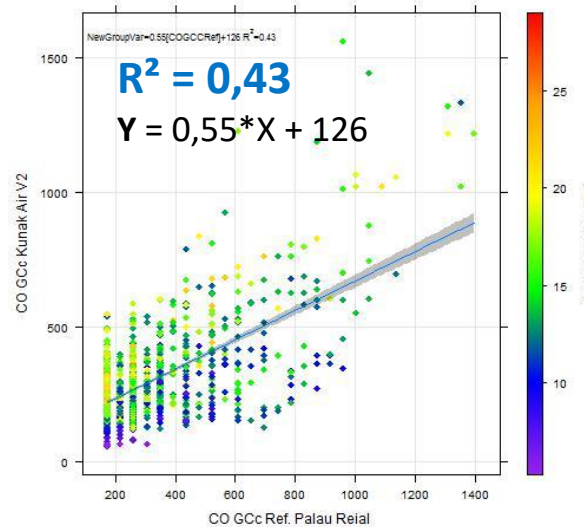


# CARBON MONOXIDE (CO), BARCELONA (Spain), MAR'17-MAY'17

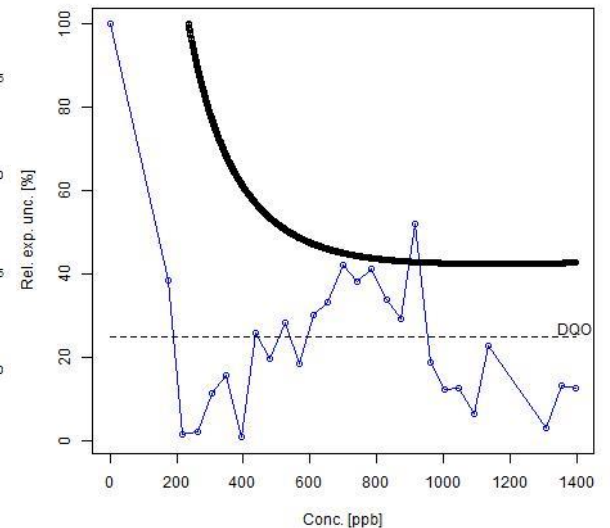


**Comments:** The Reference AQS is not accurate enough for low CO concentrations. Besides, there was lot of missing data from the reference station (yellow bubble inside the time series) and many weeks the station was broken reporting only baseline values. In the time series and statistics all the available data is presented, even if it is not valid, just to show that reference instruments can suffer from errors due to their bigger complexity and the high cost and efforts for maintenance.

**Version:** KUNAKAIR V2.

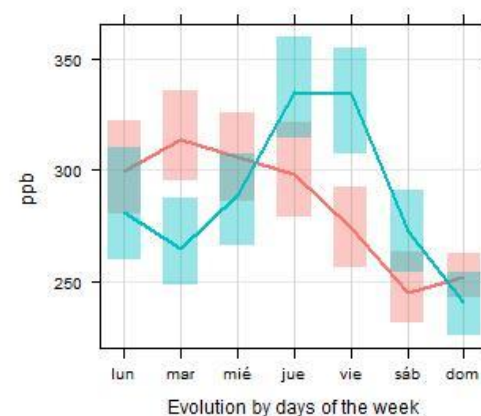
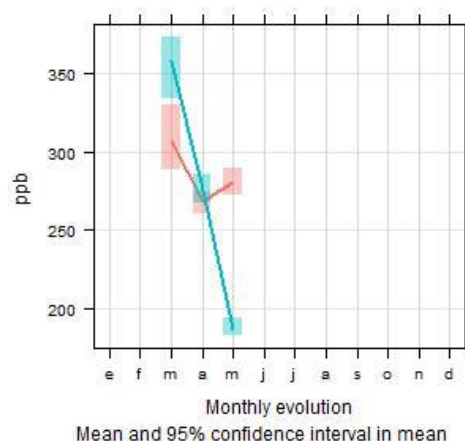
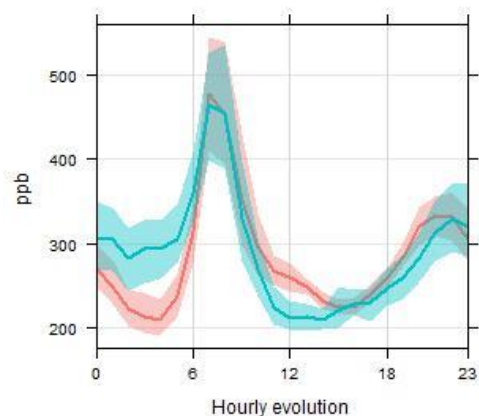
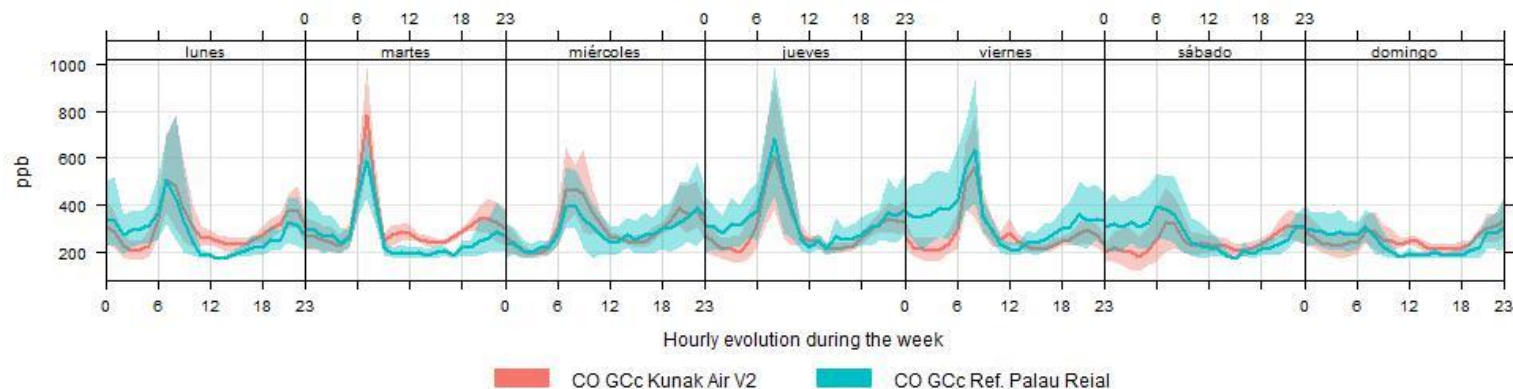


## DQO / Relative error / Expanded Uncertainty



# CARBON MONOXIDE (CO), BARCELONA (Spain), MAR'17-MAY'17

Time variation of Kunak Air V2 and Ref. Palau Reial : CO GCc



R <sup>2</sup>	ACCY (PPB)	90% CONF. (PPB)	DOQ (PPB)	AVG. GC. REF (PPB)	AVG. GC. DUT (PPB)	AV REF/DUT
0,43	97,66	207,07	-	289,16	283,92	87% / 99,3%

**Comments:** The KunakAir V2 shows higher reliability and availability than the reference instrument. The missing and invalid data from the reference instrument doesn't allow us to make any conclusions regarding the co-locations results instead for the availability of the instruments, where KunakAir V2 showed a greater performance.