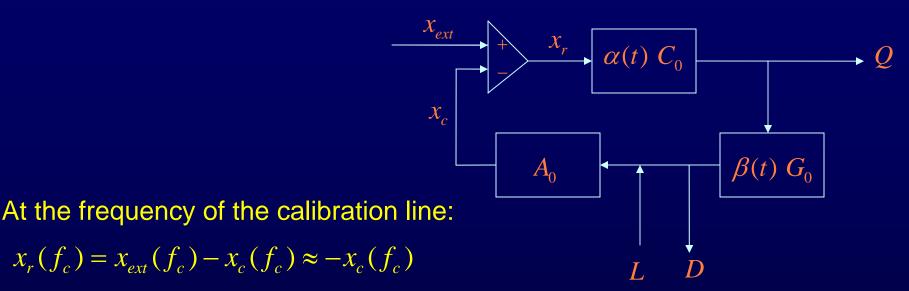
S3: Timescale for calibration factors



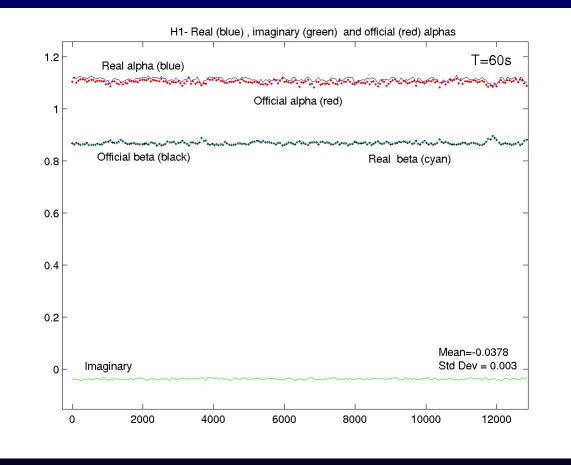
Using this and going around the loop we obtain:

 $\alpha(t) \beta(t) \approx -\frac{1}{H_0} \frac{D(f_c) / L(f_c)}{1 - D(f_c) / L(f_c)}$

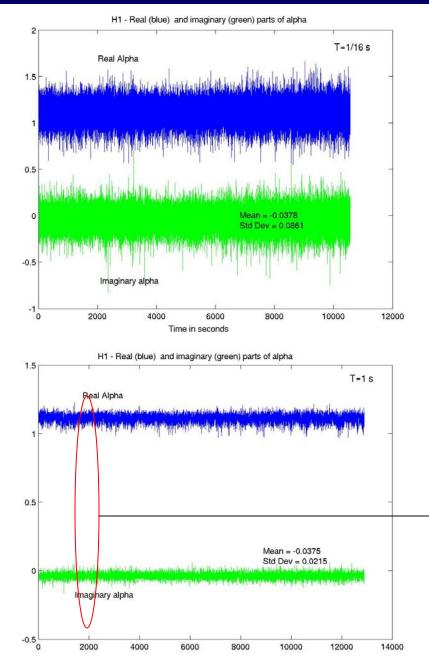
$$\alpha(t) \approx -\frac{1}{H_0} \frac{Q(f_c) \left(1 + \alpha(t)\beta(t)H_0(f_c)\right)}{C_0(f_c)A_0(f_c)L(f_c)}$$

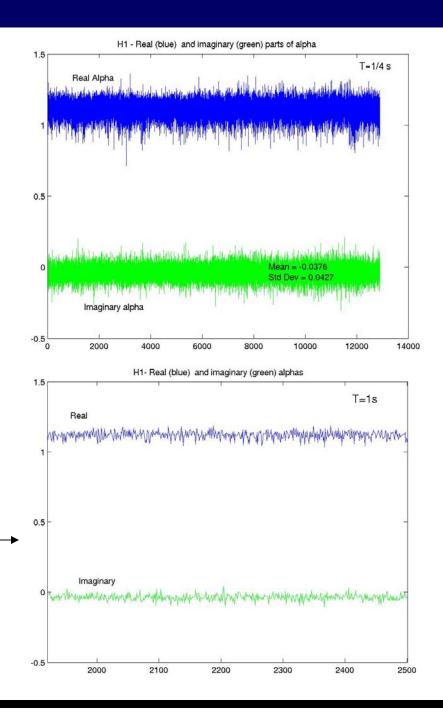
These quantities have an imaginary part to the extent to which the external signal contaminates the calibration line.

H1 - Comparison with official factors:

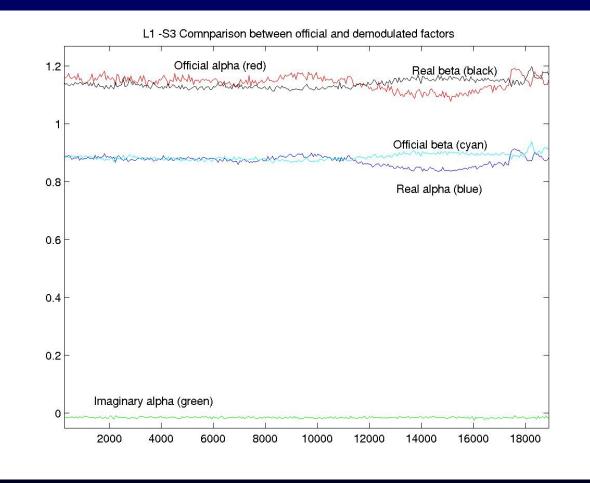


H1 – Different time-scales:



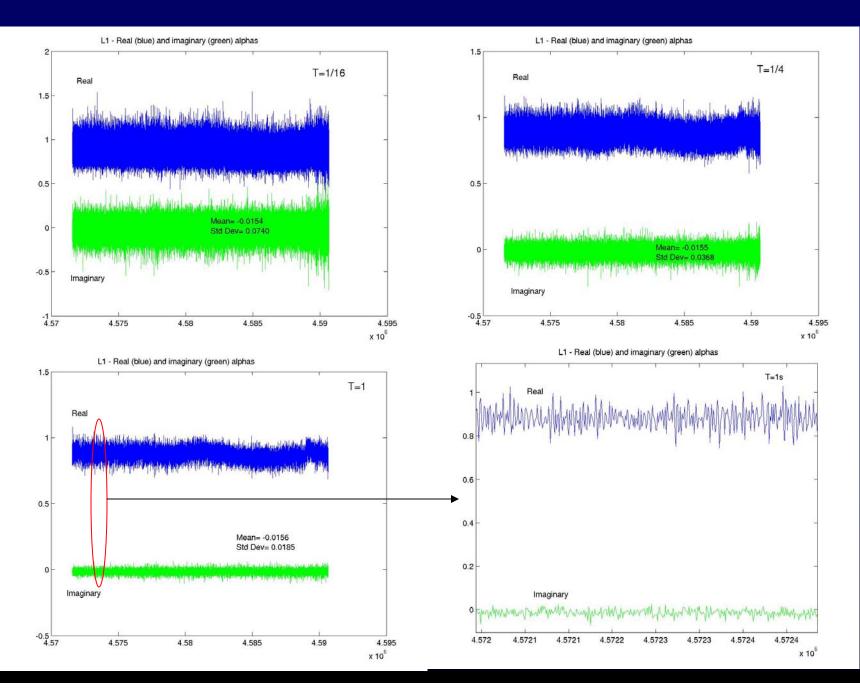


L1 - Comparison with official factors:



A bit of a mess...

L1 – Different time-scales:



Conclusion:

- Open up discussion about good time-scales (1s?)
- Claims of systematic errors believable ??
- What is going on with L1?