Relative Calibration:

But what If (P1-P2)(ref) is biased?

- → getting UTC(k)-GPST with P1 or P2 would be different and
- → P3 would be affected too

We try to validate de results of calibration for P1-P2.

By the same way we look at its stability

$$P_{1,2} = \rho_{1,2} - c\Delta t_{rec} + c(\Delta t_{sat} - \delta_{1,2}^{sat}) + I_{1,2} + Tr + \delta_{1,2}^{rec} + \varepsilon_{1,2}^{P}$$

$$(\delta_{1}^{rec} - \delta_{2}^{rec}) = P_{1} - P_{2} - (\rho_{1} - \rho_{2}) + (\delta_{1}^{sat} - \delta_{2}^{sat}) - (I_{1} - I_{2}) + \varepsilon_{1,2}^{P}$$

$$= (1 - \frac{f_1^2}{f_2^2}).TGD$$

$$=40.3\frac{f_1^2-f_2^2}{f_1^2f_2^2}.10^{16}.TEC.mapping$$

1 TECU error \rightarrow 300 ps for a sat at the zenith.











