

Set-up at PTB April 2008

ITRF 2000

	X	Y	Z	UTC(PTB) to 1PPS in	3.1 (3.3) (before / aft	Meas 3.2 / ns	Ant. Cable / ns
BIPC	3844054.920	709665.700	5023132.890	50.1 XP = 50.1 ns	9.5 (8.7) / 9.6 (8.7) Int ref - 1PPSin (XO) = 25.3 ns (24.5 ns) Using 3.1 (resp.3.3)	27.6	XC = 235.9 ns; XD = 0.0 ns (short base only) Short base: XC+XD = 235.9 ns
BP00 (Pola	3844064.450	709657.650	5023126.530	80.5 XP = 80.5 ns	221.5/ 221.5 Int ref - 1PPSin (XO) = 230.2 ns ACCOUNTING FOR SEVERAL 100-NS STEPS!!!		XC = 235.7 ns; XD = 0.0 ns (short base only) Short base: XC+XD = 235.7 ns
PTBB	3844059.940	709661.330	5023129.540	38.2 XP = 38.2 ns	11.6 (11.6) / 11.6 Int ref - 1PPSin (XO) = 27.4 ns (27.4 ns) Using 3.1 (resp.3.3)	Not available	Short base: XC = 301.7 ns; XD=0 Short base: XC+XD = 301.7 ns
PTBG (Z12)	3844060.000	709661.270	5023129.510	54.6 XP = 54.6 ns	27.0 (25.3) / 27.1 Int ref - 1PPSin (XO) = 42.8 ns (41.1 ns) Using 3.1 (resp.3.3)	Not available	Short base: XC = 0.0 ns; XD=0 Short base: XC+XD = 0.0 ns

Observations

Short baseline: 54566-54576 doy 102-112 (10-20 April 2008)

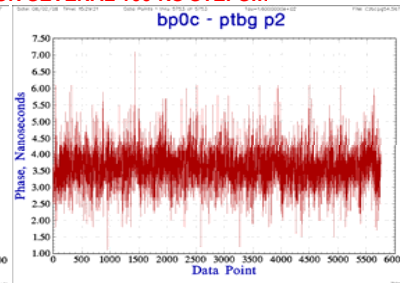
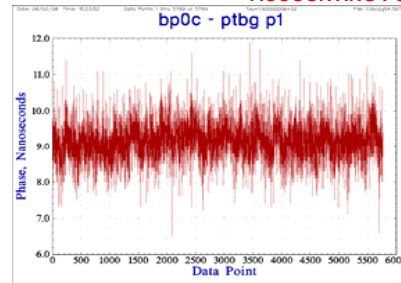
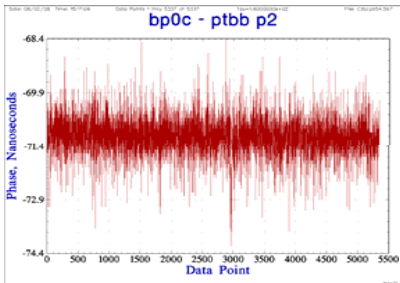
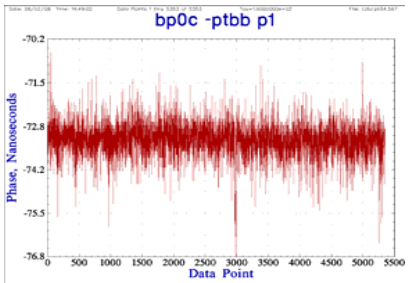
Measurement results

02/06/2008 (L. Tisserand) via R2CGGTTS

Short baseline:

Delta (-XP-XO+XR1+XC+XD+XS1) (PTBB - BP0C) = +73.2 ns
Delta (-XP-XO+XR2+XC+XD+XS2) (PTBB - BP0C) = +71.1 ns
Delta (-XP-XO+XR1+XC+XD+XS1) (PTBG - BP0C) = -9.2 ns
Delta (-XP-XO+XR2+XC+XD+XS2) (PTBG - BP0C) = -3.6 ns

Delta (-XP-XO+XR1+XC+XD+XS1) (BP00 - BP0C) = -329.0 ns
Delta (-XP-XO+XR2+XC+XD+XS2) (BP00 - BP0C) = -343.2 ns
ACCOUNTING FOR SEVERAL 100-NS STEPS!!!



Calibration results

Final 16/06/2008 (G. Petit)

Short baseline

BP0C: -XP-XO+XR1+XC+XD+XS1 = 466.1 ns (466.9 ns)
BP0C: -XP-XO+XR2+XC+XD+XS2 = 482.4 ns (483.2 ns)
PTBB: -XP-XO+XC+XD = 236.1 ns (236.1 ns)

PTBG: -XP-XO+XC+XD = -97.4 ns (-95.7 ns)

BP00: -XP-XO+XC+XD = -75.0 ns

Therefore

Therefore (including antenna cable)

Therefore

PTBB: XR1+XS1 = 303.2 ns (304.0 ns)

PTBG: XR1+XS1 = 554.3 ns (553.4 ns)

BP00: XR1+XS1 = 212.1 ns (212.9 ns)

PTBB: XR2+XS2 = 317.4 ns (318.2 ns)

PTBG: XR2+XS2 = 576.2 ns (575.3 ns)

BP00: XR2+XS2 = 214.2 ns (215.0 ns)

Results using "3.1" measurements (resp. using "3.3" measurements)