

Set-up at DLR July 2006

ITRF 2000 (estimated with PPP)

Same cable for all receivers

	X	Y	Z	Ref to 1PPS in	Meas 3.1 / ns	Meas 3.2 / ns	Ant. Cable / ns
BIPC	4186739.960	834904.770	4723620.660	0.0 ns XP = 0.0 ns	11.5 Int ref - 1PPSin (XO) = 27.3 ns	Not measured	XC = 235.9 ns; XD = 0 Short base: XC+XD = 235.9 ns
OBE3 (Z12)	4186741.510	834903.840	4723619.390	0.0 ns XP = 0.0 ns	8.0 Int ref - 1PPSin (XO) = 23.8 ns		XC = 234.4 ns; XD = 10.5 + Sp Short base: XC+XD = 244.9 + Sp ns
OBET (Septentrio)	idem			0.0 ns XP = 0.0 ns	225.0 (provisional) Int ref - 1PPSin (XO) = 233.7 ns		XC = 234.4 ns; XD = 10.5 + Sp Short base: XC+XD = 244.9 + Sp ns
UTC2 (Septentrio)	idem			0.0 ns XP = 0.0 ns	225.0 (provisional) Int ref - 1PPSin (XO) = 233.7 ns		XC = 234.4 ns; XD = 10.5 + Sp Short base: XC+XD = 244.9 + Sp ns

Observations

Short baseline setup 2: doy 206-212 (25-31 July 2006)

Measurement results

24/08/2006 (L. Tisserand) via R2CGGTTs

Short baseline setup2

Delta (-XP-XO+XR1+XC+XD+XS1) (OBE3 - BIPC) = 20.0 ns

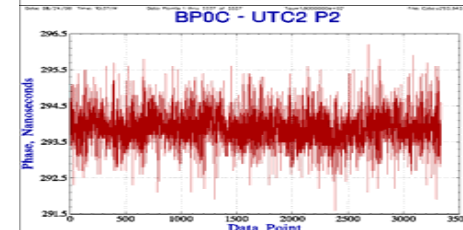
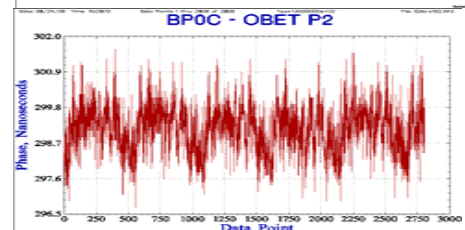
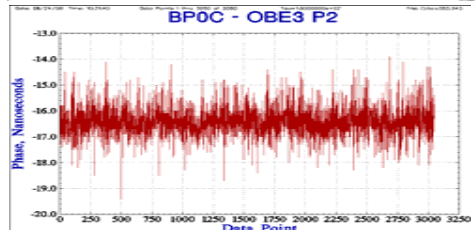
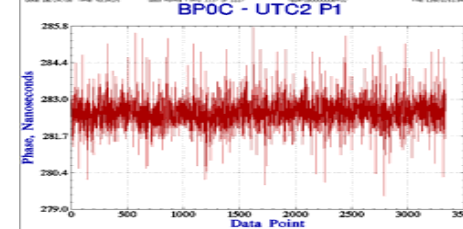
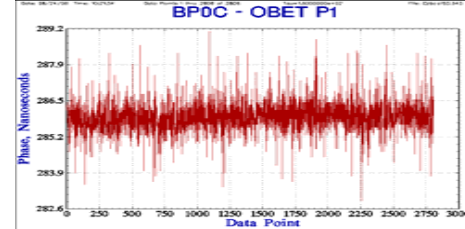
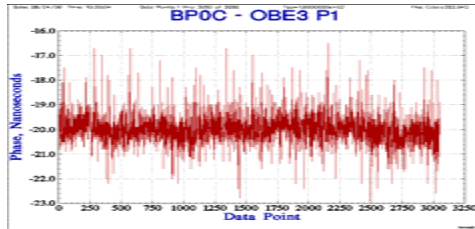
Delta (-XP-XO+XR2+XC+XD+XS2) (OBE3 - BIPC) = 16.4 ns

Delta (-XP-XO+XR1+XC+XD+XS1) (OBET - BIPC) = -285.9 ns

Delta (-XP-XO+XR2+XC+XD+XS2) (OBET - BIPC) = -299.2 ns

Delta (-XP-XO+XR1+XC+XD+XS1) (UTC2 - BIPC) = -282.5 ns

Delta (-XP-XO+XR2+XC+XD+XS2) (UTC2 - BIPC) = -293.9 ns



Calibration results

01/09/2006 (G. Petit) (provisional values)

Short baseline setup2

BIPC: -XP-XO+XR1+XC+XD+XS1 = 514.2 ns

BIPC: -XP-XO+XR2+XC+XD+XS2 = 530.5 ns

OBE3: -XP-XO+XC+XD = 221.1 + Sp ns

Therefore

OBE3: XR1+XS1 = 313.1 - Sp ns

OBE3: XR2+XS2 = 325.8 - Sp ns

BIPC: -XP-XO+XR1+XC+XD+XS1 = 514.2 ns

BIPC: -XP-XO+XR2+XC+XD+XS2 = 530.5 ns

OBET: -XP-XO+XC+XD = 11.2 + Sp ns

Therefore

OBET: XR1+XS1 = 217.1 - Sp ns

OBET: XR2+XS2 = 220.1 - Sp ns

BIPC: -XP-XO+XR1+XC+XD+XS1 = 514.2 ns

BIPC: -XP-XO+XR2+XC+XD+XS2 = 530.5 ns

UTC2: -XP-XO+XC+XD = 11.2 + Sp ns

Therefore

UTC2: XR1+XS1 = 220.5 - Sp ns

UTC2: XR2+XS2 = 225.4 - Sp ns