

Set-up at LNE/SYRTE August 2006

ITRF 97

	x	y	z	Maser-1PPS	Meas 3.1 (3.3) / n	Meas 3.2 / ns	Ant. Cable / ns
BIPC				41.9 XP = 41.9 ns	7.9 (7.1 ns) Int ref - 1PPSin (XO) = 23.7 ns (3.1)	27.8	235.9 XC+XD = 235.9 ns
OPMT (Z12T)				31.2 XP = 31.2 ns	20.9 (18.4) Int ref - 1PPSin (XO) = 36.7 ns (3.1)	40.5 (40.8/40.2)	XC=151.7 (including Novatel splitter); XD=4.2 (Cable 2)+0.7 Short baseline: XC+XD = 156.6 ns (including 2 splitters)
OPM2 (Z12T)				37.6 XP = 37.6 ns	9.2 (6.5) Int ref - 1PPSin (XO) = 25.0 ns (3.1)	N/A	XC=151.7 (including Novatel splitter); XD=5.3 (Cable 3)+0.7 Short baseline: XC+XD = 157.7 ns (including 2 splitters)
OPM3 (Septentrio)				61.4 XP = 61.4 ns	230.7 Int ref - 1PPSin (XO) = 239.4 ns	N/A	XC= N/A (including splitter); XD=N/A (Cable 8) Short baseline: XC+XD = N/A ns

Observations

Short baseline: 53968-53977 doy 233-242 (21-30 August 2006)

Measurement results

22/09/2006 (L. Tisserand) with BIPC coordinates computed by CNES

Short baseline: from MJD 53968-53977

Delta (-XP-XO+XR1+XC+XD+XS1) (OPMT - BIPC) = -74.9 ns

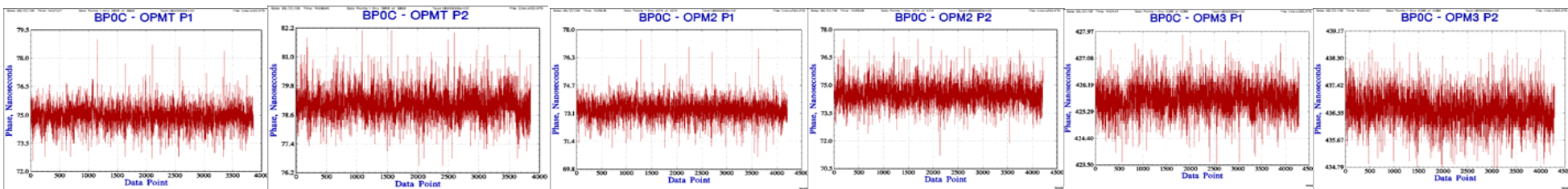
Delta (-XP-XO+XR2+XC+XD+XS2) (OPMT - BIPC) = -79.0 ns

Delta (-XP-XO+XR1+XC+XD+XS1) (OPM2 - BIPC) = -73.3 ns

Delta (-XP-XO+XR2+XC+XD+XS2) (OPM2 - BIPC) = -74.5 ns

Delta (-XP-XO+XR1+XC+XD+XS1) (OPM3 - BIPC) = -425.7 ns

Delta (-XP-XO+XR2+XC+XD+XS2) (OPM3 - BIPC) = -436.6 ns



Calibration results

20/10/2006 (G. Petit)

Short baseline

BIPC: -XP-XO+XR1+XC+XD+XS1 = 475.9 ns

BIPC: -XP-XO+XR2+XC+XD+XS2 = 492.2 ns

OPMT: -XP-XO+XC+XD = 88.7 ns

Therefore

OPMT: XR1+XS1 = 312.3 ns

OPMT: XR2+XS2 = 324.5 ns

OPM2: -XP-XO+XC+XD = 95.1 ns

OPM2: XR1+XS1 = 307.5 ns

OPM2: XR2+XS2 = 322.6 ns

OPM3: -XP-XO+XC+XD = -300.8 ns

OPM3 results include antenna cable

OPM3: XR1+XS1 = 351.0 ns

OPM3: XR2+XS2 = 356.4 ns