

Set-up at ROA December 2008

ITRF 2000 (estimated with PPP)

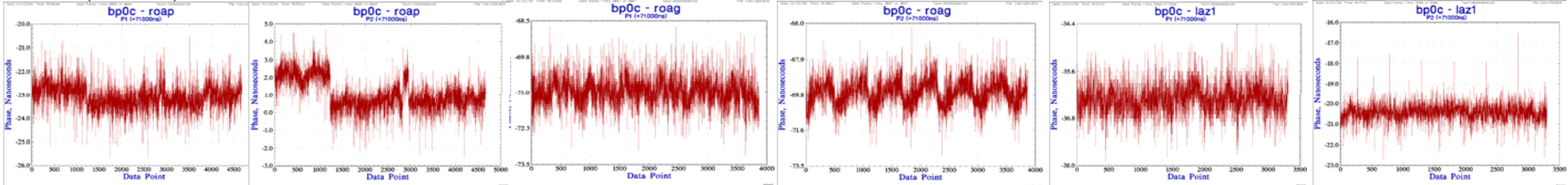
	x	y	z	UTC(ROA) to 1PPS in	Meas 3.1 (3.3) / ns	Meas 3.2 / ns	Ant. Cable / ns
BP0C				147.5 ns	15.8/15.9 (15.0/15.2)	34.4	XC = 235.9 ns; XD = 0
				XP = 147.5 ns	Int ref - 1PPSin (XO) = 31.6 (30.8) ns		Short base: XC+XD = 235.9 ns
ROAP (Septentrio)				95.0 ns	227.8		XC = 0 ns; XD = 0
				XP = 95.0 ns	Int ref - 1PPSin (XO) = 236.5 ns		Short base: XC+XD = 0.0 ns
ROAG (GTR50 V1.6.0)							Cable delay is included in receiver calibration (approximately 107 ns)
				XP = 106.5 ns			Short base: XC+XD = 127.5 ns
LAZ1 (GTR50 V1.5.4)							CAB DLY = 127.5 ns
				XP = 126.5 ns			Short base: XC+XD = 207.5 ns
				REF DLY = 106.1 ns			CAB DLY = 127.8 ns

Observations

Short baseline: doy 354-363 (19-28 December 2008, MJD 54819-54828)

Measurement results

23/01/2009 (L. Tisserand) via R2CGGTTS



Short baseline: MJD 54819.5-54822.5

Delta (-XP-XO+XR1+XC+XD+XS1) (ROAP - BP0C) = -377.1 ns
 Delta (-XP-XO+XR2+XC+XD+XS2) (ROAP - BP0C) = -401.7 ns

Short baseline: MJD 54822.5-54828

Delta (-XP-XO+XR1+XC+XD+XS1) (ROAP - BP0C) = -376.9 ns
 Delta (-XP-XO+XR2+XC+XD+XS2) (ROAP - BP0C) = -401.1 ns

P2 results are unstable: the average value is taken above

Results corrected by 81400 ns to account for phase offset of BP0C

Delta (-XP-XO+XR1+XC+XD+XS1) (ROAG - BP0C) = -328.4 ns
 Delta (-XP-XO+XR2+XC+XD+XS2) (ROAG - BP0C) = -329.9 ns

Results corrected by 71400 ns to account for phase offset of BP0C

Delta (-XP-XO+XR1+XC+XD+XS1) (ROAG - BP0C) = -329.0 ns
 Delta (-XP-XO+XR2+XC+XD+XS2) (ROAG - BP0C) = -330.4 ns

Delta (-XP-XO+XR1+XC+XD+XS1) (LAZ1 - BP0C) = -362.9 ns
 Delta (-XP-XO+XR2+XC+XD+XS2) (LAZ1 - BP0C) = -378.8 ns

Delta (-XP-XO+XR1+XC+XD+XS1) (LAZ1 - BP0C) = -363.7 ns
 Delta (-XP-XO+XR2+XC+XD+XS2) (LAZ1 - BP0C) = -379.6 ns

Calibration results

24/06/2009 (G. Petit)

Short baseline
 BP0C: -XP-XO+XR1+XC+XD+XS1 = 362.4 ns
 BP0C: -XP-XO+XR2+XC+XD+XS2 = 378.7 ns
 ROAP: -XP-XO+XC+XD = -331.5 ns

assuming measurement 3.1

ROAG: -XP-XO+XC+XD = 21.0 ns
V 1.6.0 remove to above value (127.5-106.1) = 21.4 ns
 Therefore (using 54822.5-54828)
 ROAG: XR1+XS1 = 33.8 ns
 ROAG: XR2+XS2 = 48.7 ns

LAZ1: -XP-XO+XC+XD = 81.0 ns
V 1.5.4 remove to above value (127.8 - 46.8) = 81.0 ns
 Therefore (using 54822.5-54828)
 LAZ1: XR1+XS1 = -0.5 ns
 LAZ1: XR2+XS2 = -0.1 ns

Therefore (using 54822.5-54828)

ROAP: XR1+XS1 = 317.0 ns
 ROAP: XR2+XS2 = 309.1 ns

Results above include antenna cable delay

Using XC=107.0 ns
ROAP: XR1+XS1 = 210.0 ns
ROAP: XR2+XS2 = 202.1 ns

Results above provide corrections to the values of Int_dly and P1P2_dif in the file config_1ck

Results above provide corrections to the values of Int_dly0 and Dif_dly in the file config_1ck