

Experiment in 2018

VLBI uncertainty is computed from the output of SOLVE software

14-15 Oct. 2018

		Value [0.1fs/s]	Error [1.e-16]
VLBI HM3(NICT)-HM(INAF)	VMF3(Dry+Wet+Grad)INAF	4137.1	3.9
IPPP			
Sr-HM13		-5008.7	0.6
Fiber Link HM(INAF)-HM3(INRiM)		9754.0	1.3
HM(3)-Yb		-8875.4	1.2
Sub Summary (Sr/Yb-1)	VMF3(Dry+Wet+Grad)INAF	7.0	4.3
Final Solution	VMF3(Dry+Wet+Grad)INAF	7	4.3

4-5 Nov. 2018 IPPP

Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
4027.6	2.6		
		4029.7	2.3
-5010.9	1.2	-5010.9	1.2
9940.0	2.0	9940.0	2.0
-8964.3	1.4	-8964.3	1.4
-7.6	3.8		3.6
-7.6	3.8	-5.5	3.6

14-15 Nov. 2018 IPPP

Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
3982.1	2.3		
		3991.6	3.2
-5015.1	0.6	-5015.1	0.6
10028.0	3.0	10028.0	3.0
-8993.5	1.0	-8993.5	1.0
1.5	4.0		4.5
1.5	4.0	11.0	4.5

24-25 Nov. 2018 IPPP

Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
3921.7	2.8		
		3935.8	1.5
-4994.6	0.6	-4994.6	0.6
10111.7	4.3	10111.7	4.3
-9025.0	1.0	-9025.0	1.0
13.8	5.3		4.7
13.8	5.3	27.9	4.7

4-6 Dec. 2018 IPPP

		Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
VLBI HM3(NICT)-HM(INAF)	VMF3(Dry+Wet+Grad)INAF	3863.5	2.2		
IPPP				3872.1	2.0
DMTD HM3(NICT)-HM15(NICT)		12773.0	0.9	12773.0	0.9
Sr-HM15		7773.3	0.6	7773.3	0.6
Fiber Link HM(INAF)-HM3(INRiM)		10173.0	8.0	10173.0	8.0
HM(3)-Yb		-9042.0	4.0	-9042.0	4.0
Summary (Sr/Yb-1)	VMF3(Dry+Wet+Grad)INAF	-5.2	9.3	3.4	9.2
Final Solution	VMF3(Dry+Wet+Grad)INAF	-5.2	9.3	3.4	9.2

Avg (Sr/Yb-1)

#REF! #REF!

15-16 Dec. 2018 IPPP

Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
3814.8	1.6		
		3814.5	2.0
12880.5	0.8	12880.5	0.8
7880.0	7.0	7880.0	7.0
10264.0	3.0	10264.0	3.0
-9092.3	2.1	-9092.3	2.1
-14.0	8.1		8.2
-14	8.1	-14.3	8.2

#REF! #REF!

25-26 Dec. 2018 IPPP

Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
3784.4	1.9		
		3778.6	1.7
12933.6	0.6	12933.6	0.6
7950.1	0.6	7950.1	0.6
10369.0	3.0	10369.0	3.0
-9159.7	4.0	-9159.7	4.0
10.2	5.4		5.3
10.24	5.4	4.5	5.3

#REF! #REF!

Experiment in 2019

15-16 Jan. 2019

IPPP

25-26 Jan. 2019

IPPP

14-15 Feb. 2019

IPPP

		Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
VLBI HM3(NICT)-HM(INAF)	VMF3(Dry+Wet+Grad)INAF	7175.5	1.5		
IPPP				7176.5	0.2
DMTD HM3(NICT)-HM15(NICT)		13084.0	0.9	13084.0	0.9
Sr-HM15		8118.1	0.6	8118.1	0.6
Fiber Link HM(INAF)-HM3(INRiM)		7050.0	6.0	7050.0	6.0
		7.251(6)e-13 s/s			
HM(3)-Yb		-9254.0	1.0	-9254.0	1.0
Summary (Sr/Yb-1)	VMF3(Dry+Wet+Grad)INAF	5.6	6.4	6.6	9.0
Final Solution	VMF3(Dry+Wet+Grad)INAF	5.6	6.4	6.6	9.0

Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
7111.0	1.9		
		7105.8	0.2
13158.8	0.8	13158.8	0.8
8208.6	0.6	8208.6	0.6
7131.0	2.7	7131.0	2.7
-9275.9	0.6	-9275.9	0.6
15.9	3.5	10.8	7.9
15.95	3.5	10.8	7.9

Value [0.1fs/s]	Error [1.e-16]	Value [0.1fs/s]	Error [1.e-16]
7007.0	1.9		
		7015.9	0.2
13344.0	1.0	13344.0	1.0
8393.7	0.6	8393.7	0.6
7241.3	4.5	7241.3	4.5
-9295.8	1.5	-9295.8	1.5
2.2	5.2	11.1	5.1
2.24	5.2	11.1	5.1

Sr/Yb-1 Summary

Year/Doy	MJD(mid)	Using VLBI [1.e-16]	uncertainty [1.e-16]	using IPPP [1.e-16]	uncertainty [1.e-16]
gv8288	2018/287	58,406.2517	7.0	4.3	
gv8308	2018/308	58,427.2069	-7.6	3.8	-5.5
gv8318	2018/318	58,436.9375	1.5	4.0	11.0
gv8328	2018/327	58,447.1667	13.8	5.3	27.9
gv8338	2018/338	58,457.3958	-5.2	9.3	3.4
gv8349	2018/349	58,467.6337	-14.0	8.1	-14.3
gv8359	2018/359	58,477.8542	10.2	5.4	4.5
gv9015	2019/015	58,498.8542	5.6	6.4	6.6
gv9025	2019/025	58,508.8750	15.9	3.5	10.8
gv9045	2019/045	58,528.8750	2.2	5.2	11.1
Weighted average		4.1	1.5	6.8	1.8
		WRMS	8.8	13.0	
		chi2	3.7	2.6	

VLBI uncertainty is computed from the output of SOLVE software

resd/sigma	1/sigma	resd/sigma	1/sigma
0.6812	0.23124865		
-3.0971	0.265747	-3.4310	0.28071731
-0.6457	0.25278007	0.9359	0.22032632
1.8520	0.19003716	4.4985	0.21271781
-0.9979	0.1078265	-0.3686	0.10835693
-2.2289	0.12345679	-2.5651	0.12212388
1.1422	0.18464773	-0.4252	0.18695672
0.2431	0.15729027		
3.3974	0.28559774		
-0.3462	0.19079662		
0.0000	32.89249	1.98942852	
WRMS	8.8	0.42778185	WRMS
chi2	3.7	1.5	chi2
		39.780638	1.13119897
		13.0	0.23420304
		2.6	2.1