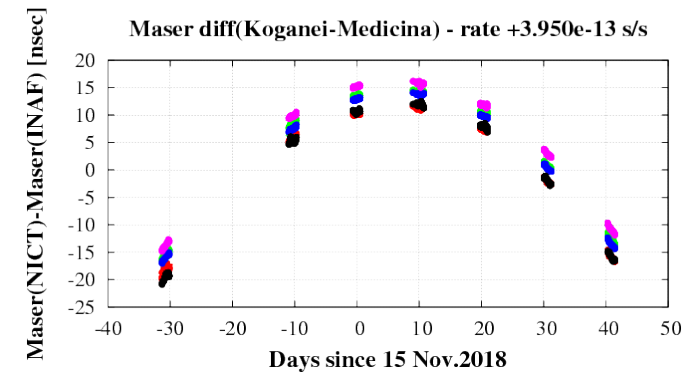
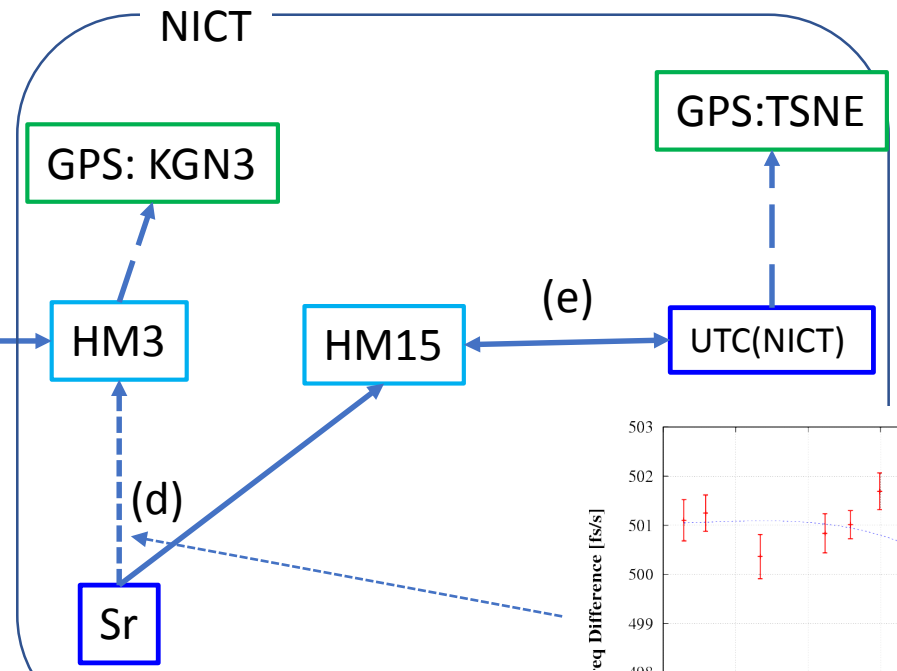
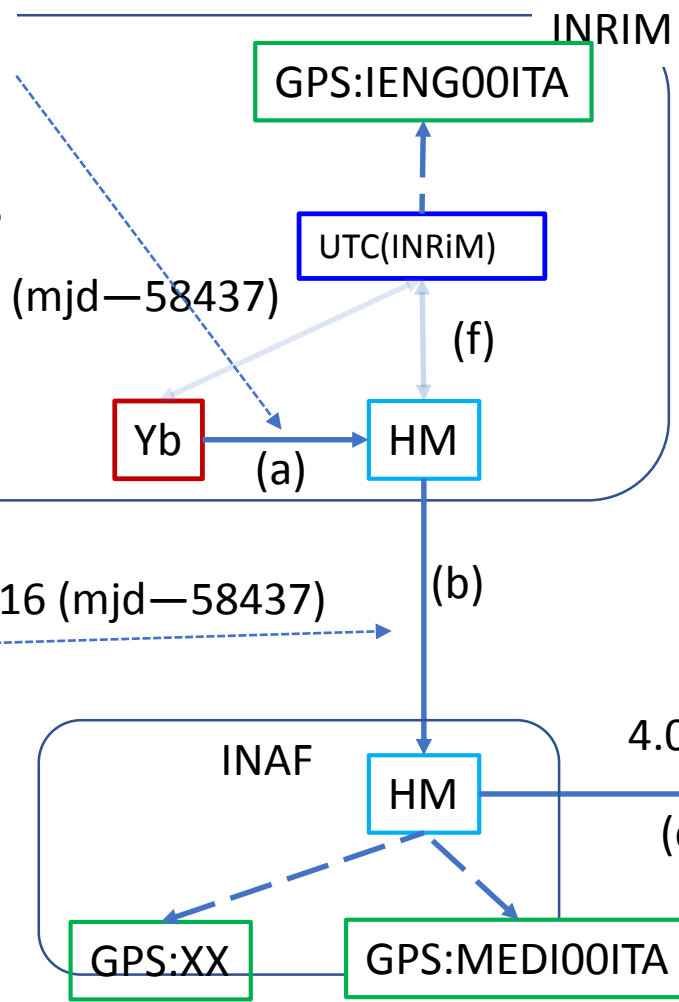
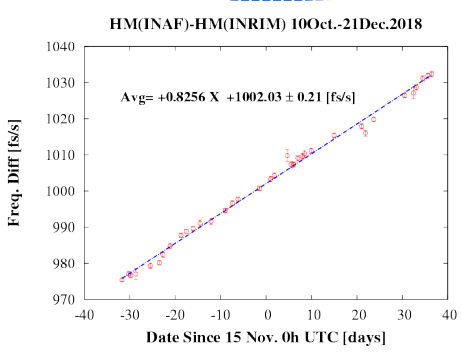


- Band-A(6.0GHz)Spol + Band-B(8.5GHz)Dpol ●
- Band-B(8.5GHz)Spol + Band-C(10.4GHz)Dpol ●
- Band-C(10.4GHz)Spol + Band-D(13.3GHz)Dpol ●
- Band-D(13.3GHz)Spol + WBWS.Dpol ●
- Band-A(6.0GHz)Dpol ●



$-9.00383e-13 -2.885e-16$ (mjd-58437)

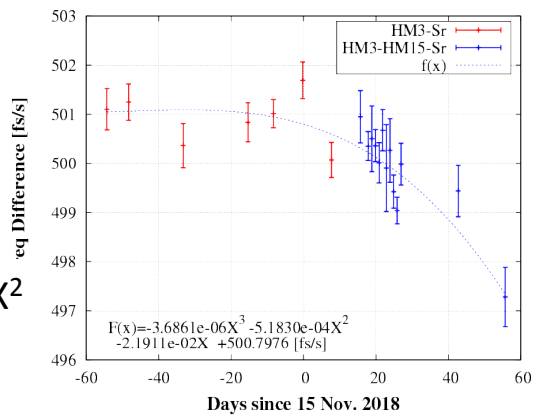
$-1.00203e-12 +8.256e-16$ (mjd-58437)



$4.0e-13$ s/s

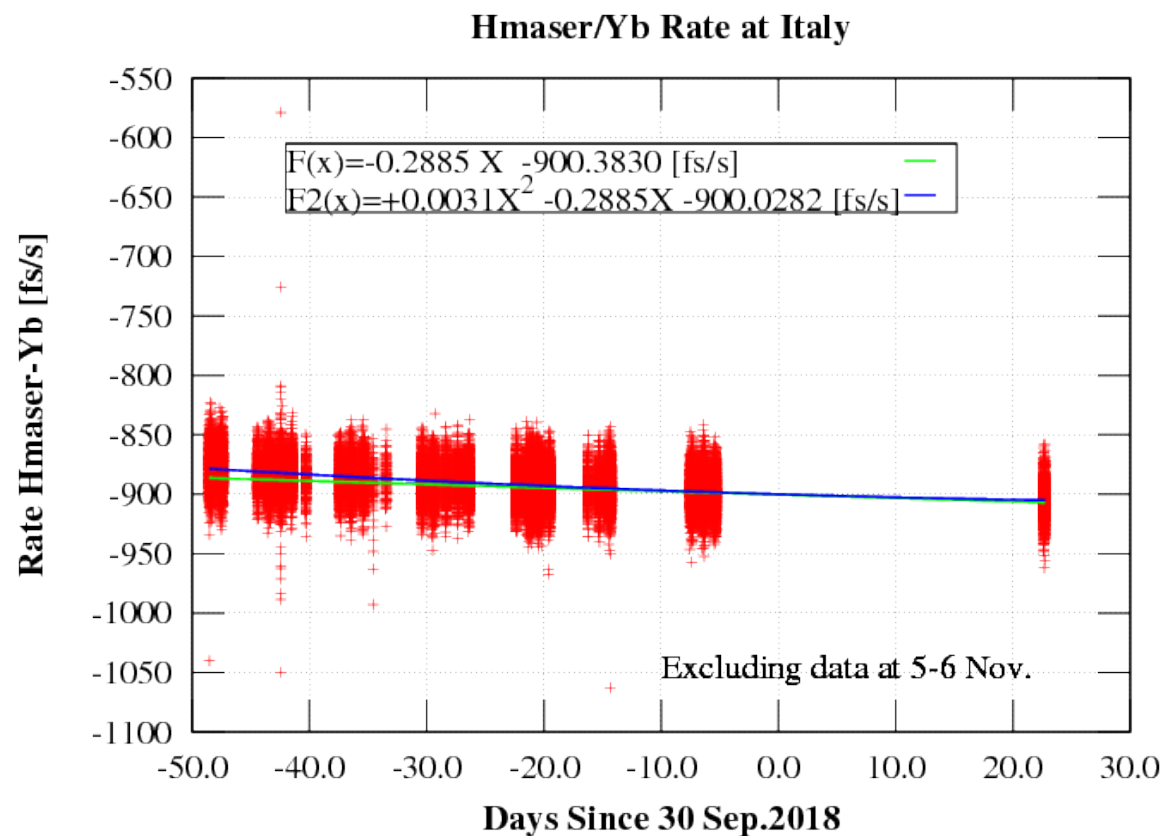
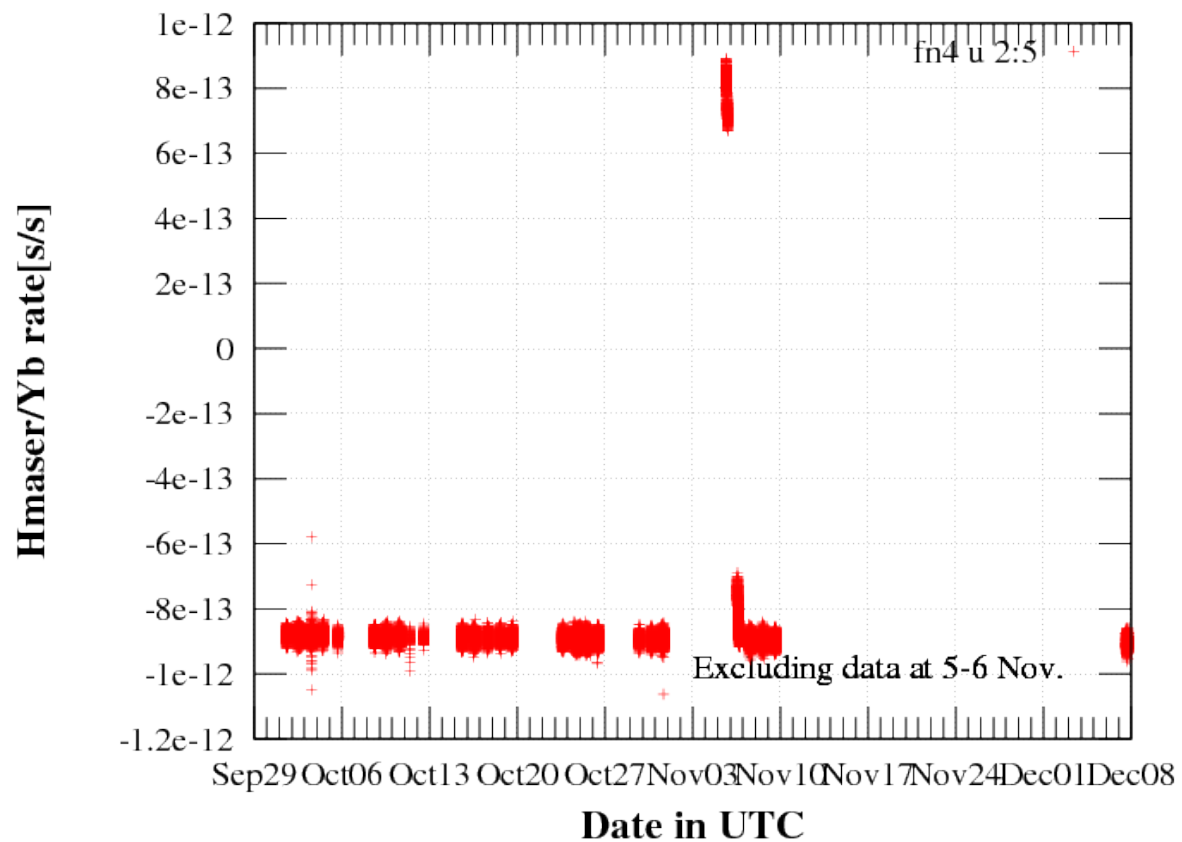
$$F(X) = -3.6861e-6X^3 - 5.1830e-4X^2 - 2.1911e-2X + 500.7976,$$

$X = \text{MJD} - 58437$

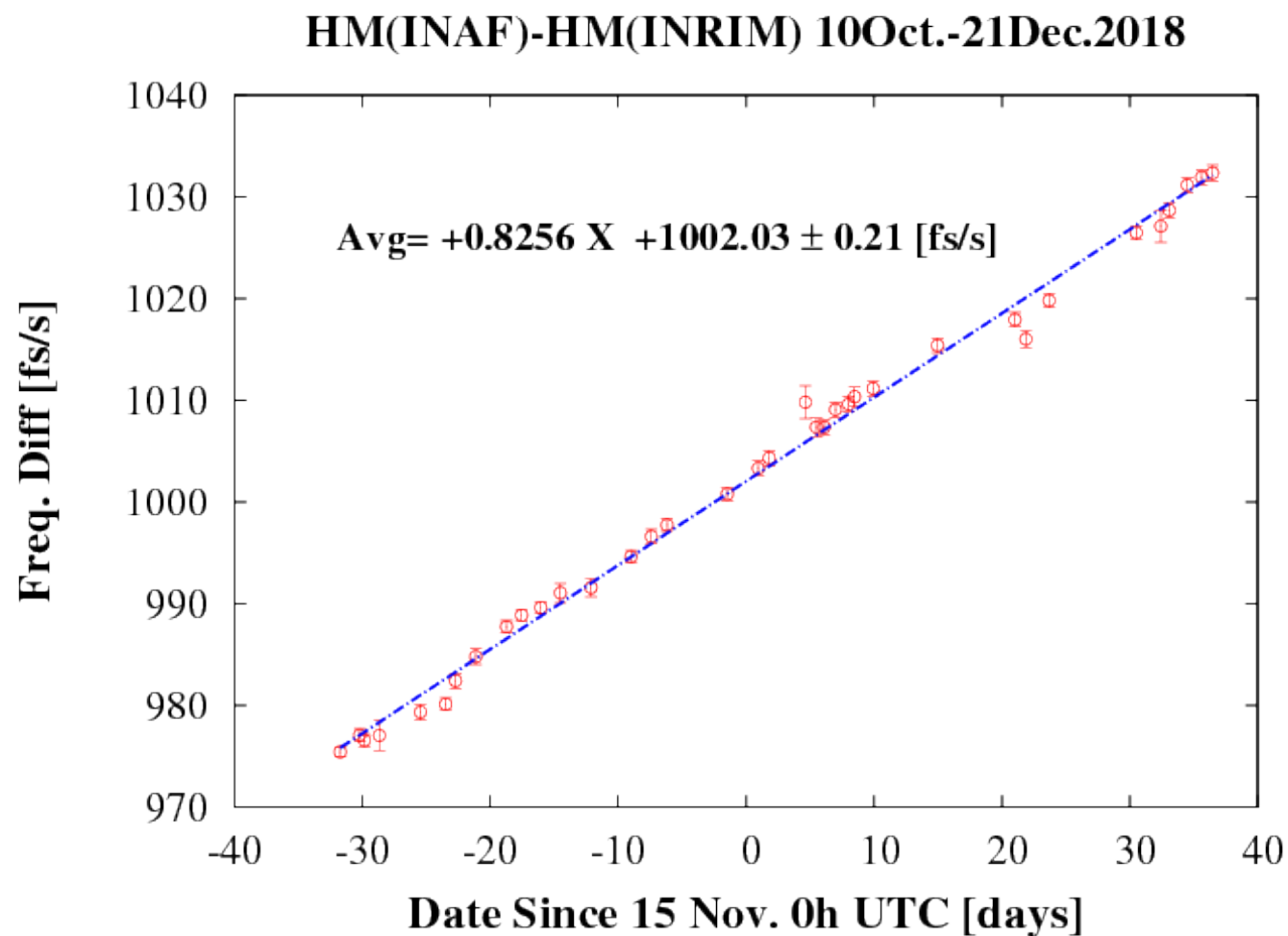


	Longitude	Latitude	Ellipsoid Height [m]	Geoid Height [m]	Height [m]	gh/c^2
INRIM	+7:38:21.85897473	+45:00:54.47698314	316.620	52.909	263.711	2.8773E-14
NICT	+139:29:16.554789	+35:42:28.418658	140.002	42.736	97.266	1.0613E-14

Link(a): HM-Yb(INRIM)



Link(b): HM(INAF)-HM(INRIM)

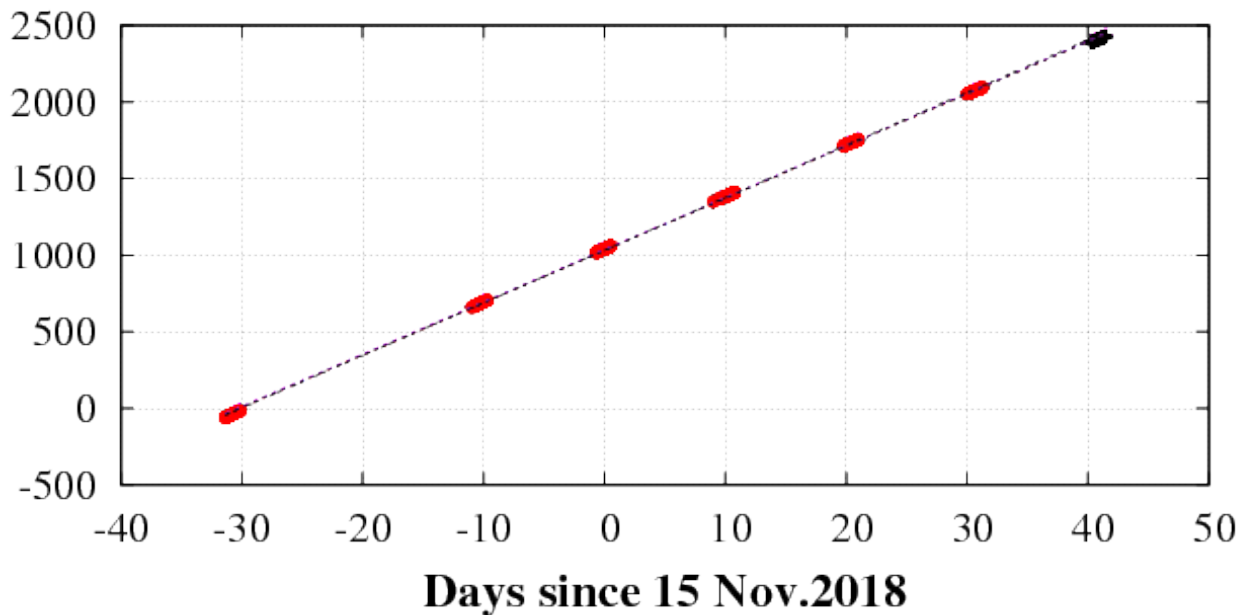


Link(c): HM3(NICT)-HM(INAF)

Band-A(6.0GHz)Dpol	+	$+3.949e-13 \pm 1.1e-16$ s/s	- - -
Band-B(8.5GHz)Dpol	+	$+3.947e-13 \pm 1.1e-16$ s/s	- - -
Band-C(10.4GHz)Dpol	+	$+3.947e-13 \pm 1.1e-16$ s/s	- - -
Band-D(13.3GHz)Dpol	+	$+3.945e-13 \pm 1.1e-16$ s/s	- - -
WBWS,Dpol	+	$+3.950e-13 \pm 1.1e-16$ s/s	- - -
WBWS,Dpol(test-v1)	•	$+3.980e-13 \pm 1.0e-16$ s/s	- - -

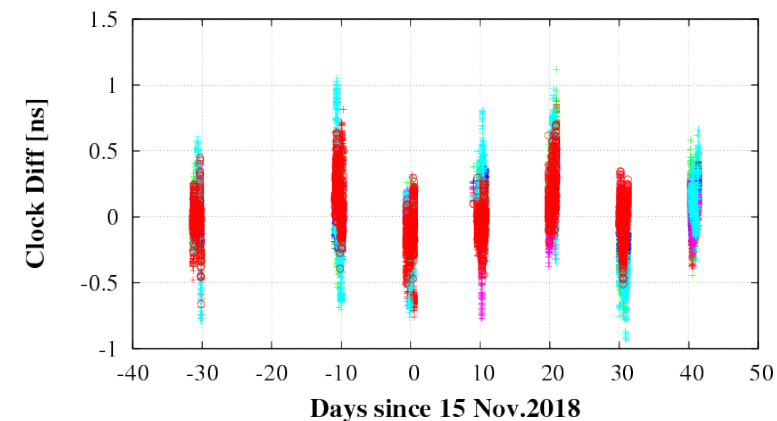
Maser(NICT)-Maser(INAF) [nsec]

Koganei-Medicina



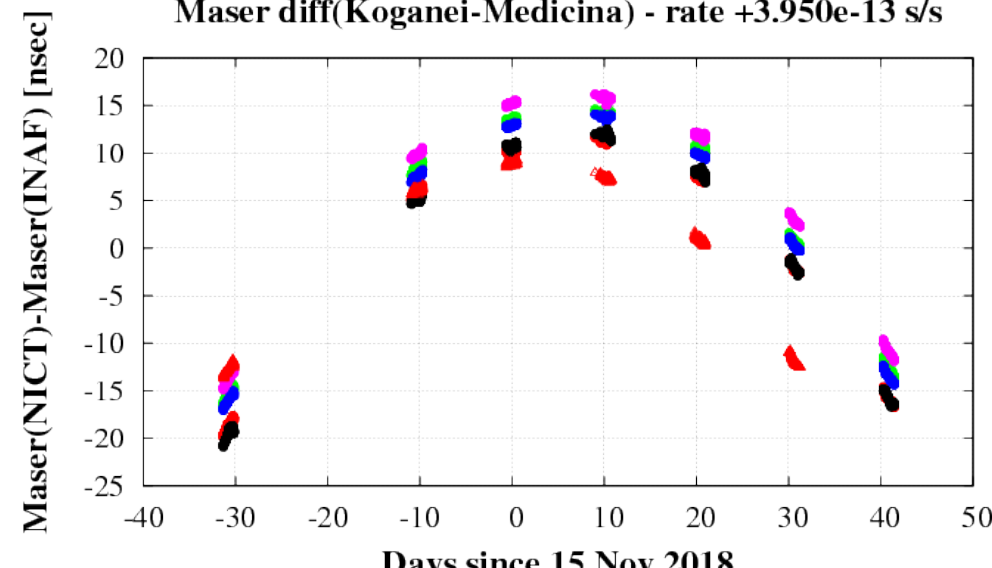
Band-A DualPol	+	Band-D DualPol	+
Band-B DualPol	+	WBWS DualPol	+
Band-C DualPol	+	WBWS DualPol(test-v1)	•

Maser(NICT)-Maser(INAF) 3rd Poly Fit Residual



Band-A(6.0GHz)Dpol	•	Band-D(13.3GHz)Dpol	•
Band-B(8.5GHz)Dpol	•	WBWS,Dpol	•
Band-C(10.4GHz)Dpol	•	WBWS,Dpol(test-v1)	•

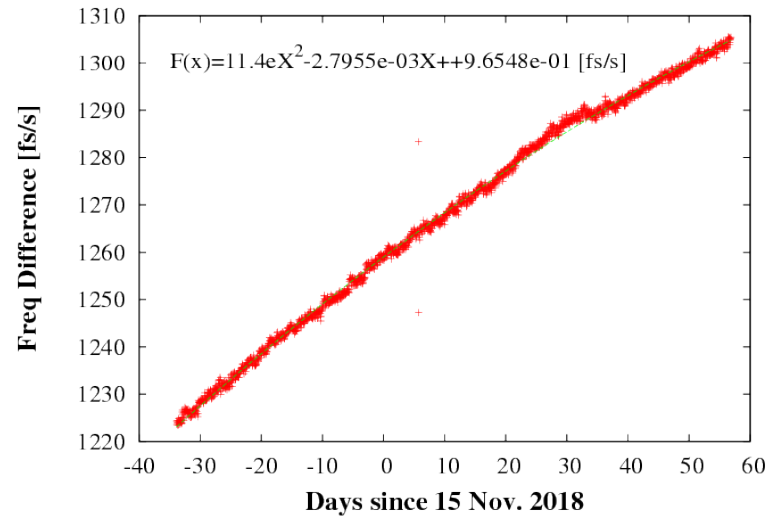
Maser diff(Koganei-Medicina) - rate $+3.950e-13$ s/s



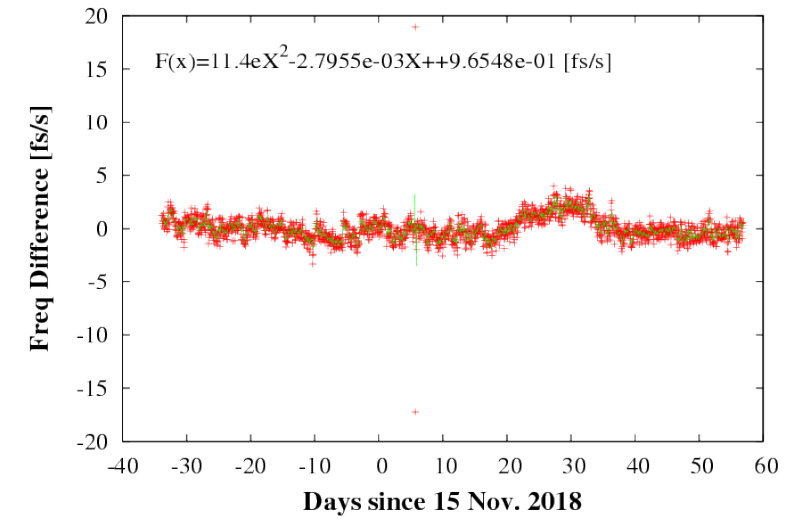
Link(d) : **HM3 (NICT)-Sr**

from Dec.2018
(HM3-HM15)+(HM15-Sr)

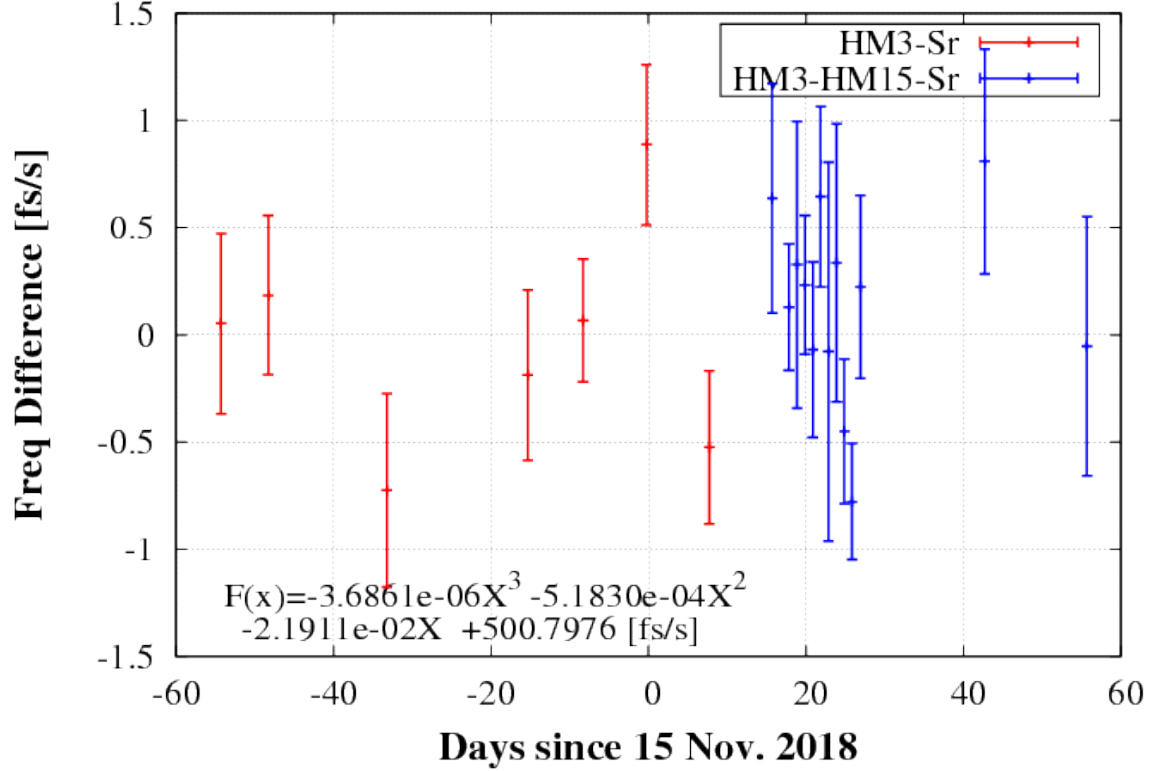
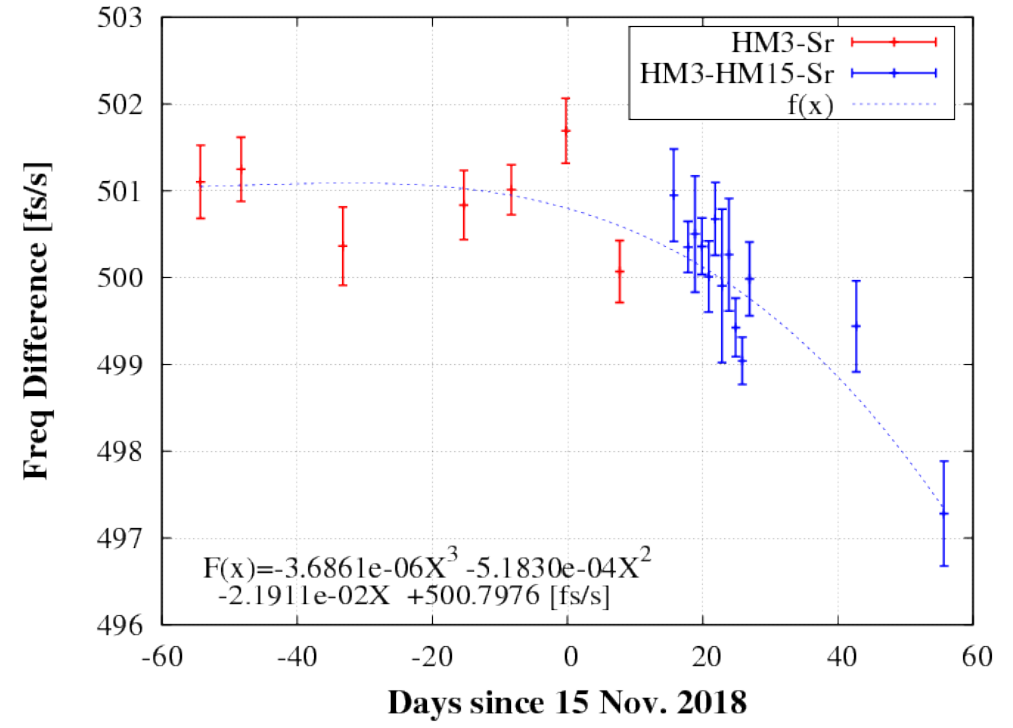
Frq diff HM3-HM15 at NICT



HM3-HM15-F(x) at NICT



H3-Sr - F(x)



Sr-Yb Freq Link; Polynomial=[], Data=()

(a)

(b)

(c)

(d)

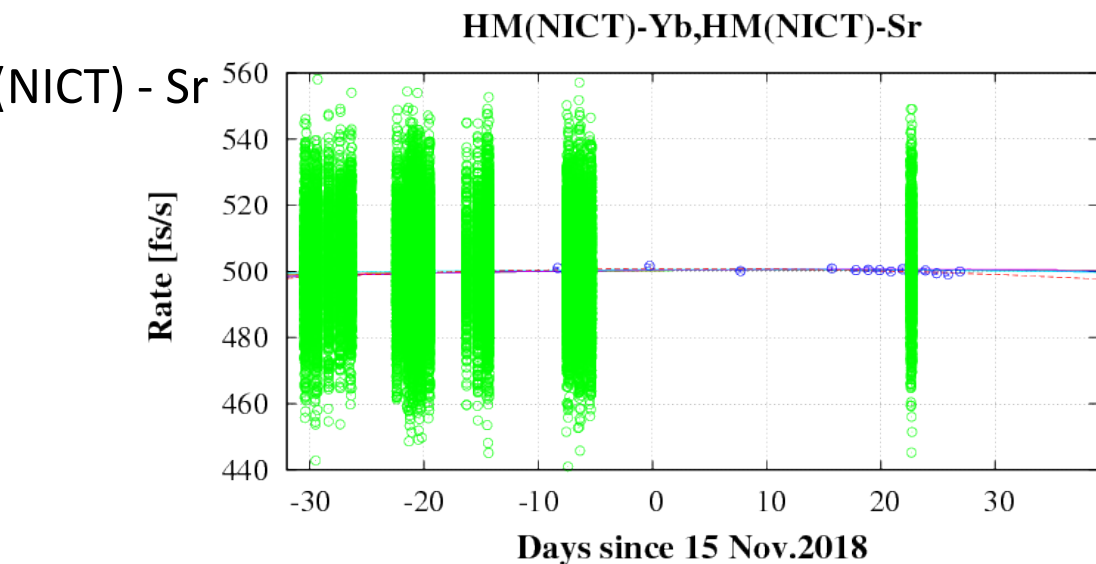
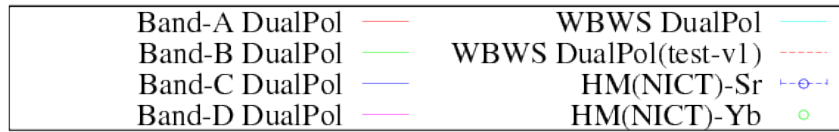
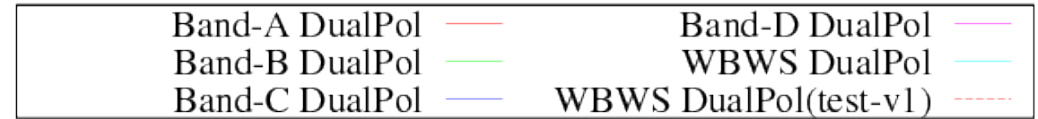
$$[\text{HM(INRIM)-Yb}] + [\text{HM(INAF)-HM(INRIM)}] + [\text{HM3(NICT)-HM(INAF)}] - [\text{HM3(NICT) - Sr}] = [\text{Sr - Yb}]$$

$$(\text{HM3-Sr}) - [\text{HM3-Sr}]$$

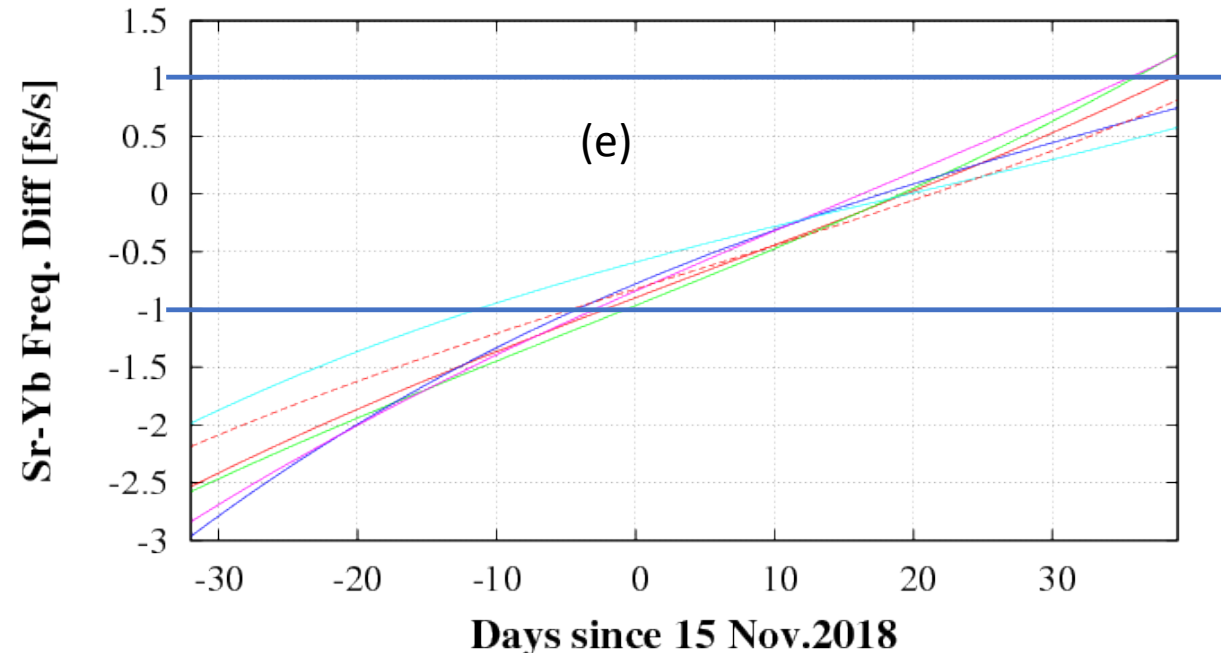
$$[\text{HM(INRIM)-Yb}] + [\text{HM(INAF)-HM(INRIM)}] + [\text{HM3(NICT)-HM(INAF)}] = [\text{HM3 - Yb}]$$

$$(\text{HM(INRIM)-Yb}) + [\text{HM(INAF)-HM(INRIM)}] + [\text{HM3(NICT)-HM(INAF)}]$$

$$(\text{HM3-Sr})$$



Sr-Yb by link(VLBI,DMTD,opt)



GPS Receivers

