1. Laboratory: SU

Information Sheet

Laboratory:	SU
Date and hour of the beginning of measurements:	**2021-09-18 00:00:00 UTC (MJD 59475)**
Date and hour of the end of measurements:	**2021-09-22 12:28:00 UTC (MJD 59479)**

Information on the system

	Local:	**Travelling:**
4-character BIPM code	SU31	SU05
• Receiver maker and type: Receiver serial number:	DICOM (MESIT) GTR51 1604031	DICOM (MESIT) GTR51 1907005
1 PPS trigger level /V:	1.0 V	1.0 V
• Antenna cable maker and type: Phase stabilised cable (Y/N):	Andrew FSJ-1 Y	Andrew FSJ-1 Y
Length outside the building /m:	Approx. 15 m	Approx. 15 m
• Antenna maker and type: Antenna serial number:	Leica Geosystems LEIAR25.R4 LEIT 726435	NovAtel NOV850 NONE NMLK19250012J
Temperature (if stabilised) /°C	45.0 °C	45.0 °C

Measured delays /ns

(if needed fill box "Additional Information" below)

	Local:	**Travelling:**
• Delay from local UTC to receiver 1 PPS-in:	193.8 ns	193.8 ns
Delay from 1 PPS-in to internal Reference (if different): (see section 2 for details)	-	-
• Antenna cable delay:	143.2 ns	98.6 ns
Splitter delay (if any):	-	-
Additional cable delay (if any):	-	-

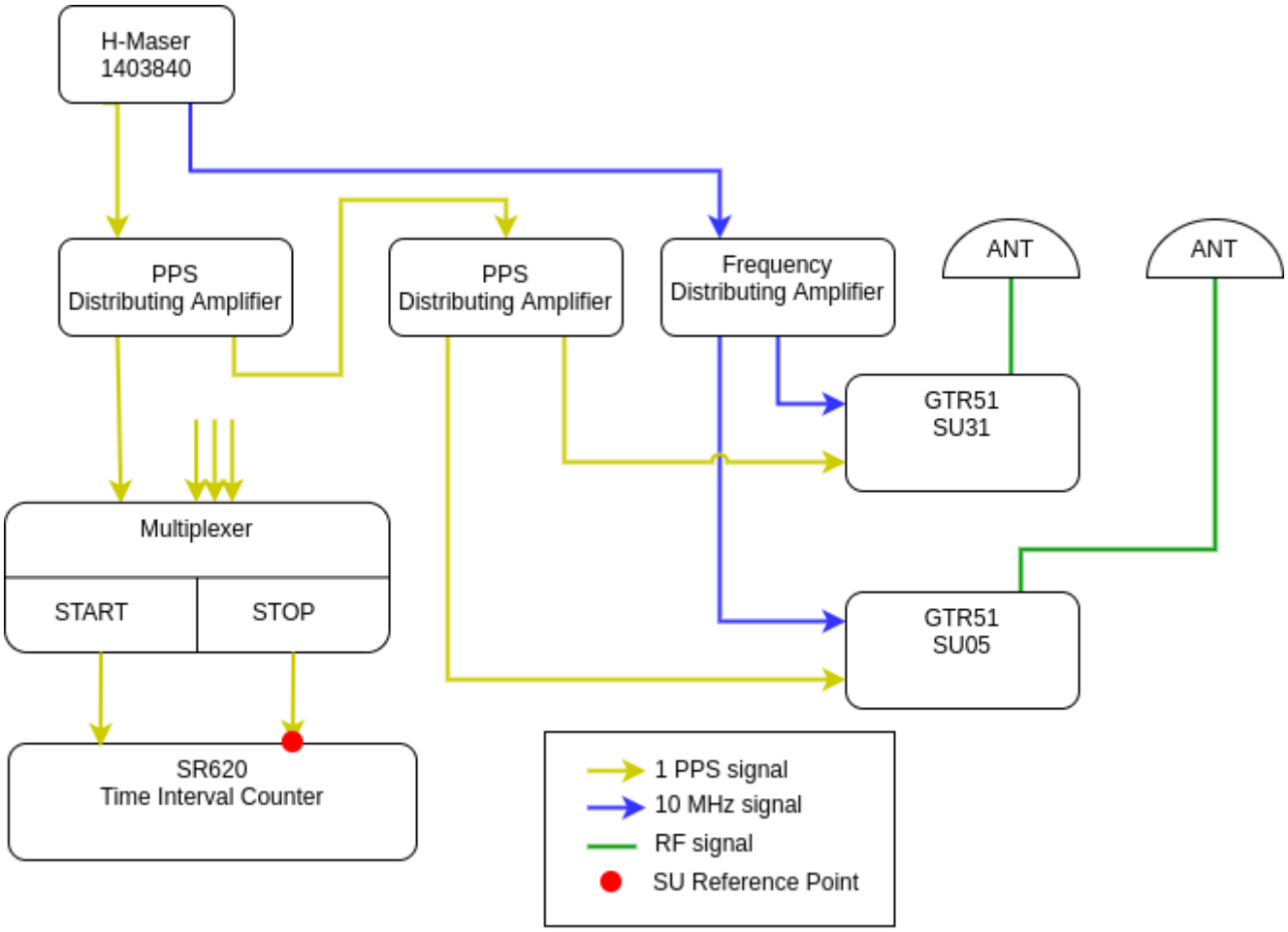
Data used for the generation of CGGTTS files

• INT DLY (GPS) /ns:	-
• INT DLY (Galileo) /ns:	-
• INT DLY (GLONASS) /ns:	-
• CAB DLY /ns:	-
• REF DLY /ns:	-
• Coordinates reference frame:	-
Latitude or X /m:	-
Longitude or Y /m:	-
Height or Z /m:	-

General information

• Rise time of the local UTC pulse:	2 ns
• Is the laboratory air conditioned:	Y
Set temperature value and uncertainty:	19.5 °C ± 0.5 °C
Set humidity value and uncertainty:	-

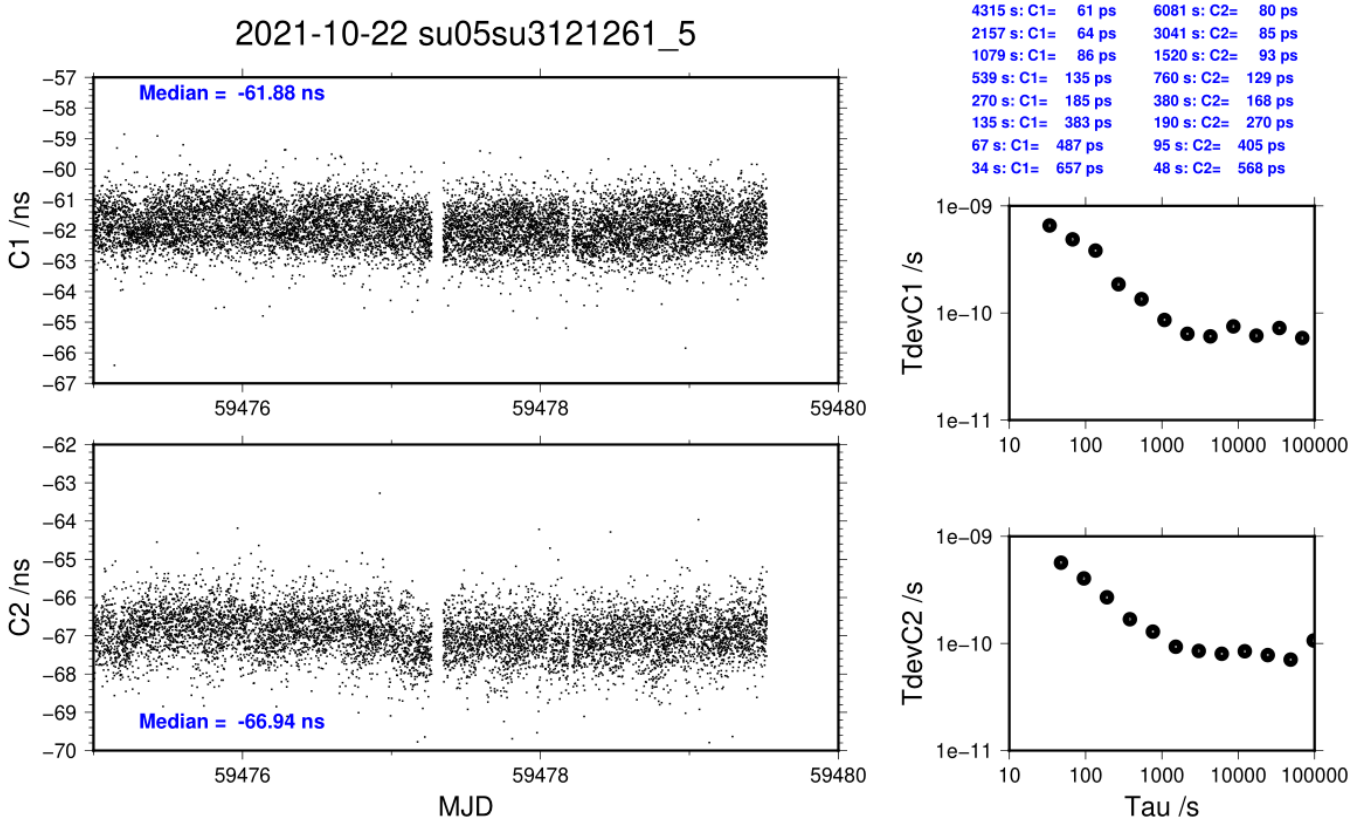
Diagram of the experiment setup

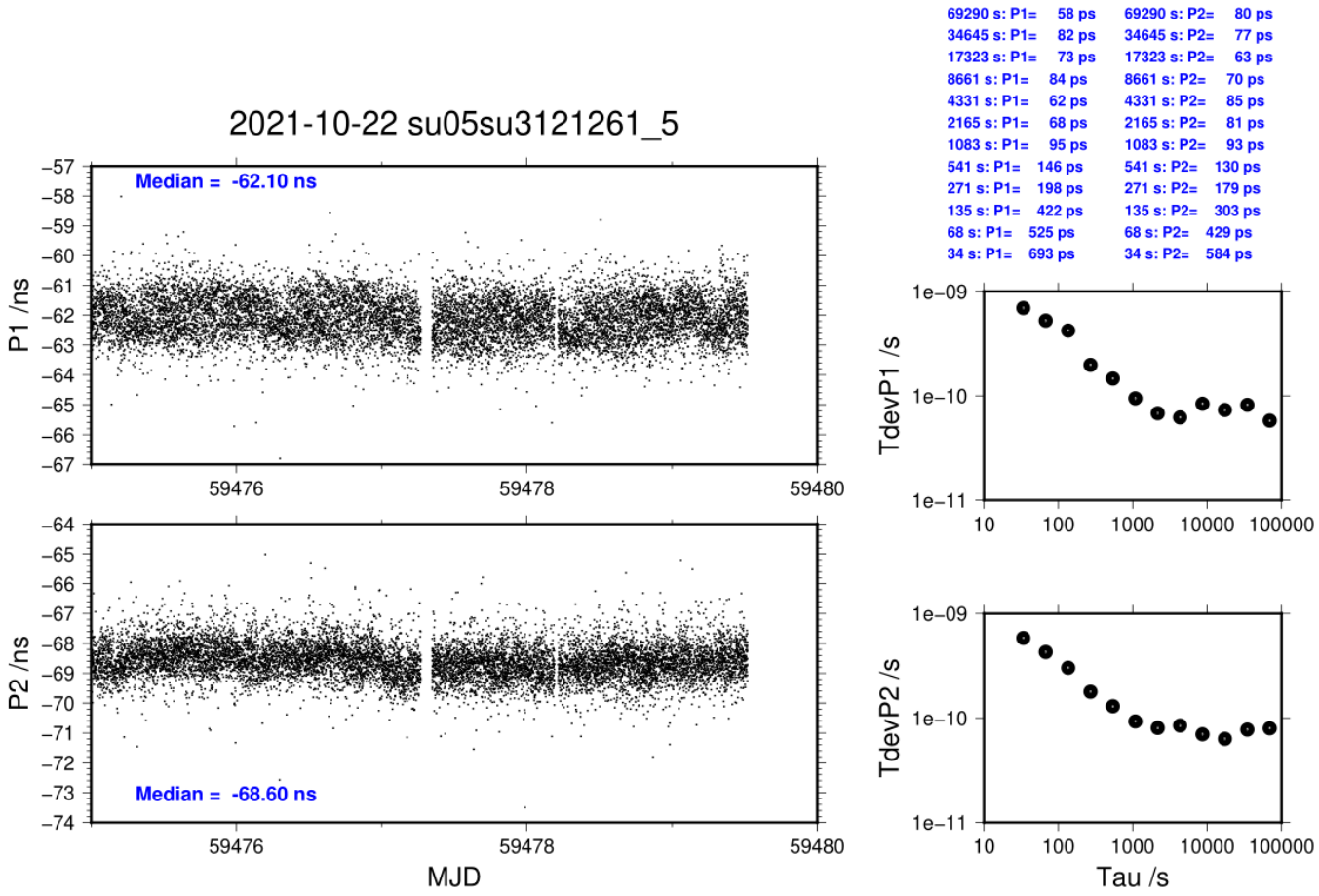


SU05 – SU31

```
COMPUTATION OF BASELINE

 Number of codes to fit baseline and biases = 115574
 Compute baseline with sin(elev) between 0.05 and 0.90
 Apriori codes biases from 14602 high elev obs : -17.449 -19.362
 Iteration   0: Obs used = 202935; Huge residuals =      7; Large residuals =    255
 Iteration   1: Obs used = 202935; Huge residuals =      0; Large residuals =    248
 Computed code bias (P1/P2)/m =    -18.105   -20.049
 Computed baseline (X,Y,Z)/m =      6.390     3.449    -5.302
 RMS of residuals /m =      0.381

 Number of phase differences to fit baseline
 L1/L2 = 114365
 L5    =  55856
 A priori baseline (X,Y,Z)/m =      6.390     3.449    -5.302
 12723 clock jitters computed out of  12723 intervals
 AVE jitter /ps =   -0.2 RMS jitter /ps =    9.8

 Iter  1 Large residuals L1=    2
 Iter  1 Large residuals L2=    1
 Iter  1 Large residuals L5=    3
 Computed baseline L1 (X,Y,Z)/m =      0.320     0.235     0.714
 RMS of residuals L1 /m =      0.004
 Computed baseline L2 (X,Y,Z)/m =      0.327     0.237     0.722
 RMS of residuals L2 /m =      0.004
 Computed baseline L5 (X,Y,Z)/m =      0.327     0.232     0.714
 RMS of residuals L5 /m =      0.004

 Iter  2 Large residuals L1=    2
 Iter  2 Large residuals L2=    1
 Iter  2 Large residuals L5=    3
 Computed baseline L1 (X,Y,Z)/m =      0.320     0.235     0.714
 RMS of residuals L1 /m =      0.004
 Computed baseline L2 (X,Y,Z)/m =      0.327     0.237     0.722
 RMS of residuals L2 /m =      0.004
 Computed baseline L5 (X,Y,Z)/m =      0.327     0.232     0.714
 RMS of residuals L5 /m =      0.004

 New iteration of baseline
 New apriori baseline (X,Y,Z)/m =      6.713     3.685    -4.584
 12723 clock jitters computed out of  12723 intervals
 AVE jitter /ps =    0.1 RMS jitter /ps =    1.3

 Iter  3 Large residuals L1=    2
 Iter  3 Large residuals L2=    1
 Iter  3 Large residuals L5=    3
 Computed baseline L1 (X,Y,Z)/m =      0.012     0.009     0.021
 RMS of residuals L1 /m =      0.004
 Computed baseline L2 (X,Y,Z)/m =      0.019     0.012     0.028
 RMS of residuals L2 /m =      0.004
 Computed baseline L5 (X,Y,Z)/m =      0.021     0.006     0.025
 RMS of residuals L5 /m =      0.004


 Final baseline L1 (X,Y,Z)/m =      6.725     3.695    -4.563
 Final baseline L2 (X,Y,Z)/m =      6.732     3.697    -4.556
 Final baseline L5 (X,Y,Z)/m =      6.734     3.691    -4.559

 COMPUTATION OF CODE DIFFERENCES

 Total number of code differences = 116015

 Global average of individual differences
 Code #pts, ave/ns, rms/ns
 C1: 115820   -61.862     1.029
 C2:  82189   -66.938     1.016
 P1: 115491   -62.082     1.137
 P2: 115482   -68.582     1.086
```

```
Number of  300s epochs in out file =  1277
Code #pts, median/ns, ave/ns, rms/ns
C1:  11580   -61.876   -61.862     0.679
C2:   8216   -66.938   -66.941     0.585
P1:  11537   -62.103   -62.085     0.728
P2:  11537   -68.596   -68.588     0.608
```




2021-10-22 su05su3121261_5
Median = -62.10 ns
Median = -68.60 ns
P1 /ns
P2 /ns
MJD
59476
59478
59480
69290 s: P1= 58 ps
34645 s: P1= 82 ps
17323 s: P1= 73 ps
8661 s: P1= 84 ps
4331 s: P1= 62 ps
2165 s: P1= 68 ps
1083 s: P1= 95 ps
541 s: P1= 146 ps
271 s: P1= 198 ps
135 s: P1= 422 ps
68 s: P1= 525 ps
34 s: P1= 693 ps
69290 s: P2= 80 ps
34645 s: P2= 77 ps
17323 s: P2= 63 ps
8661 s: P2= 70 ps
4331 s: P2= 85 ps
2165 s: P2= 81 ps
1083 s: P2= 93 ps
541 s: P2= 130 ps
271 s: P2= 179 ps
135 s: P2= 303 ps
68 s: P2= 429 ps
34 s: P2= 584 ps
TdevP1 /s
TdevP2 /s
Tau /s

2. Laboratory BY

Information Sheet (BY46)

Laboratory:	BY
Date and hour of the beginning of measurements:	**2021-09-24 11:23:00 UTC (MJD 59481)**
Date and hour of the end of measurements:	**2021-09-28 13:23:00 UTC (MJD 59485)**

Information on the system

	Local:	**Travelling:**
4-character BIPM code	BY46	SU05
• Receiver maker and type: Receiver serial number:	Piktime TTS-4 0146	DICOM (MESIT) GTR51 1907005
1 PPS trigger level /V:	1.0 V	1.0 V
• Antenna cable maker and type: Phase stabilised cable (Y/N):	Andrew FSJ-1 Y	Andrew FSJ-1 Y
Length outside the building /m:	Approx. 5 m	Approx. 25 m
• Antenna maker and type: Antenna serial number:	Javad GNSS JAV_RINGANT_G3T JAVC 00646	NovAtel NOV850 NONE NMLK19250012J
Temperature (if stabilised) /°C	-	45.0 °C

Measured delays /ns

(if needed fill box "Additional Information" below)

	Local:	**Travelling:**
• Delay from local UTC to receiver 1 PPS-in:	51.48 ns	193.8 ns
Delay from 1 PPS-in to internal Reference (if different):	minus 10.76 ns	-
• Antenna cable delay:	144.14 ns	98.6 ns
Splitter delay (if any):	-	-
Additional cable delay (if any):	-	-

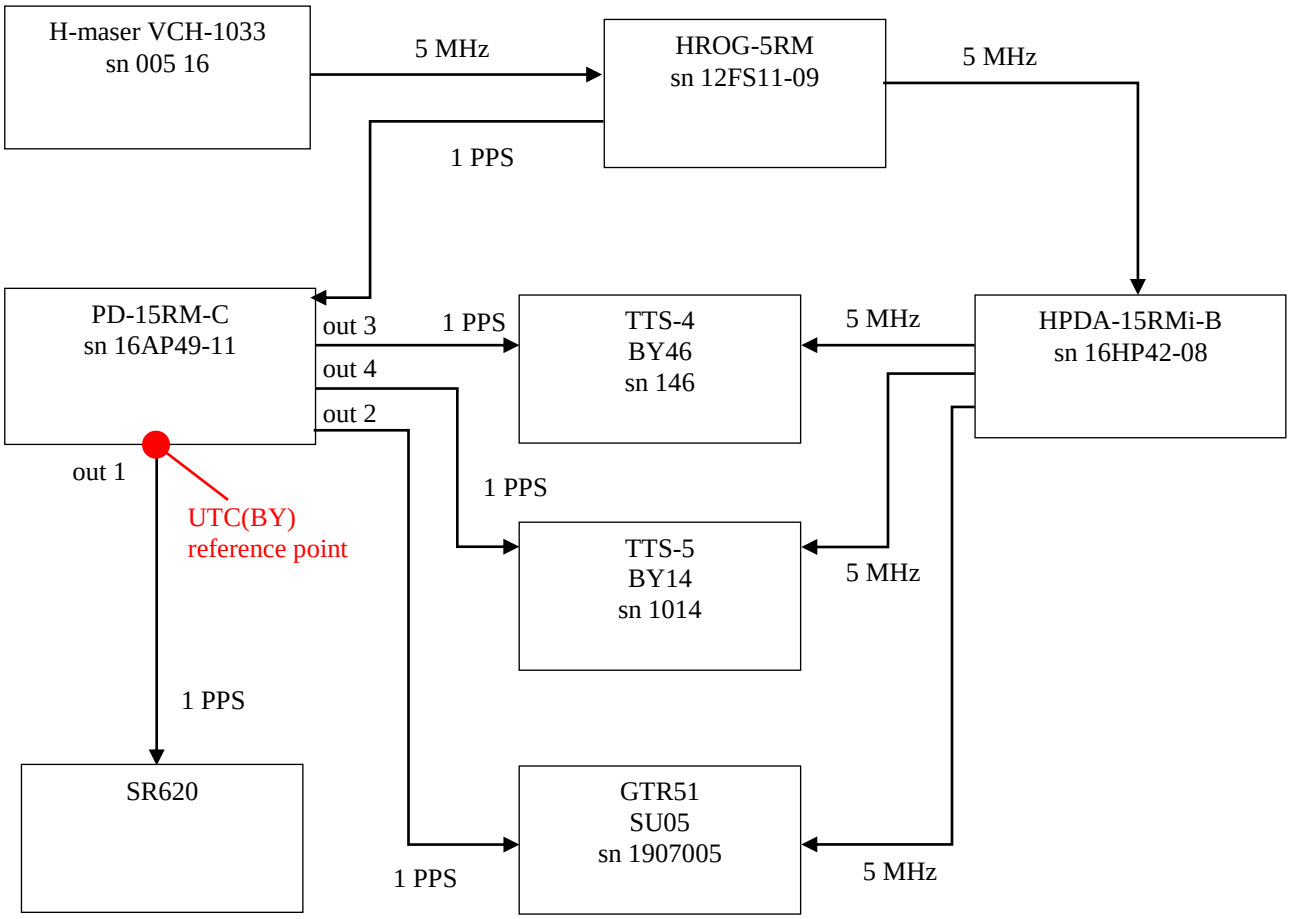
Data used for the generation of CGGTTS files

• INT DLY (GPS) /ns:	-
• INT DLY (Galileo) /ns:	-
• INT DLY (GLONASS) /ns:	-
• CAB DLY /ns:	-
• REF DLY /ns:	-
• Coordinates reference frame:	-
Latitude or X /m:	-
Longitude or Y /m:	-
Height or Z /m:	-

General information

• Rise time of the local UTC pulse:	1 ns
• Is the laboratory air conditioned:	Y
Set temperature value and uncertainty:	20 °C ± 3 °C
Set humidity value and uncertainty:	-

Diagram of the experiment setup



Set-up at BY was changed after the arrival of VNIIFTRI staff. Current set-up is presented on the figure above.

All delay measurements were carried out using TIC Keysight 52230A with typical measurement uncertainty of 0.5 ns (when connected to external reference frequency source). TTS-4 (BY46) and TTS-5 (BY14) delays were measured with the full accordance to BIPM recommendations (Annex C of Operational procedures for a visit of the traveling equipment).

RF cable delay was taken from manufacturer certificate.

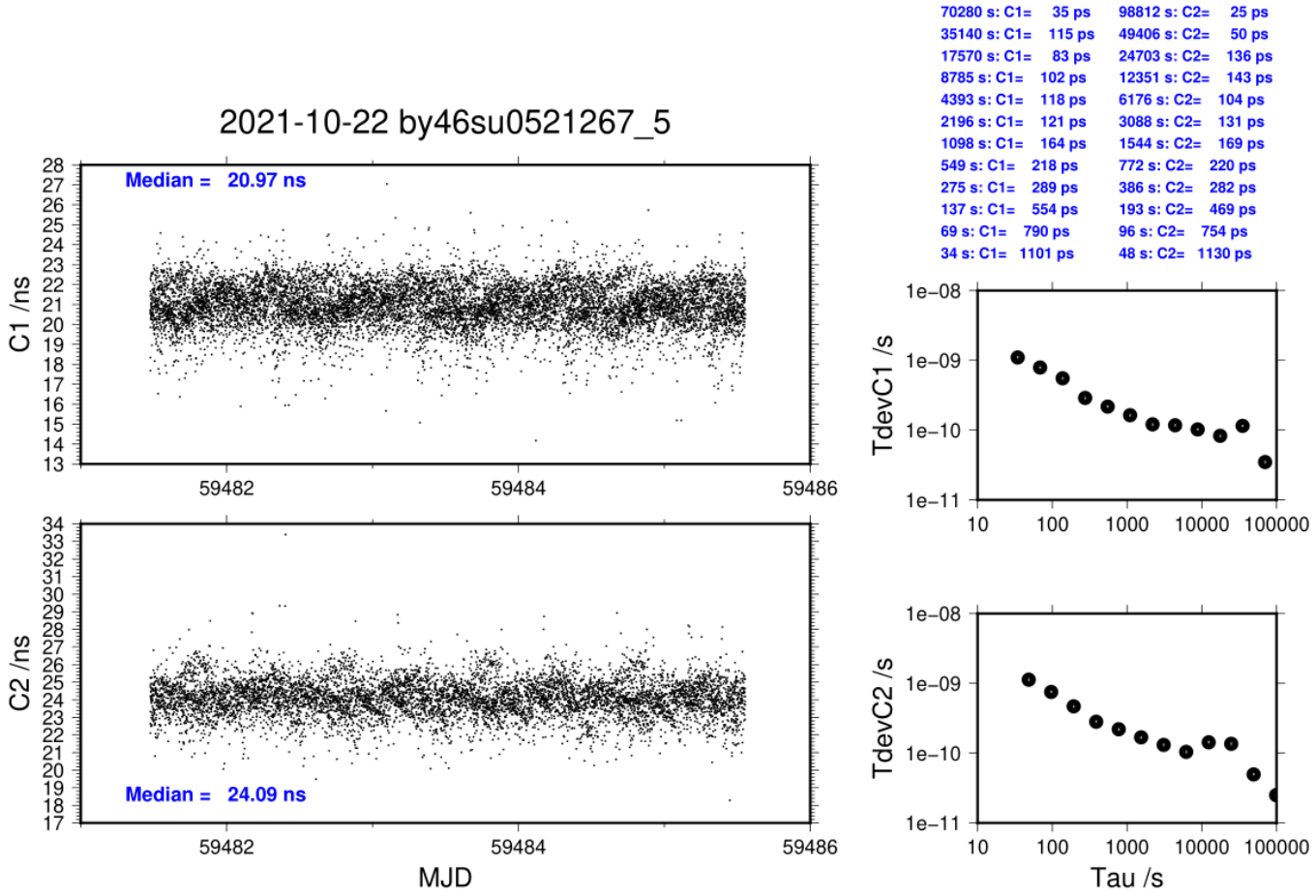
BY46 delays:

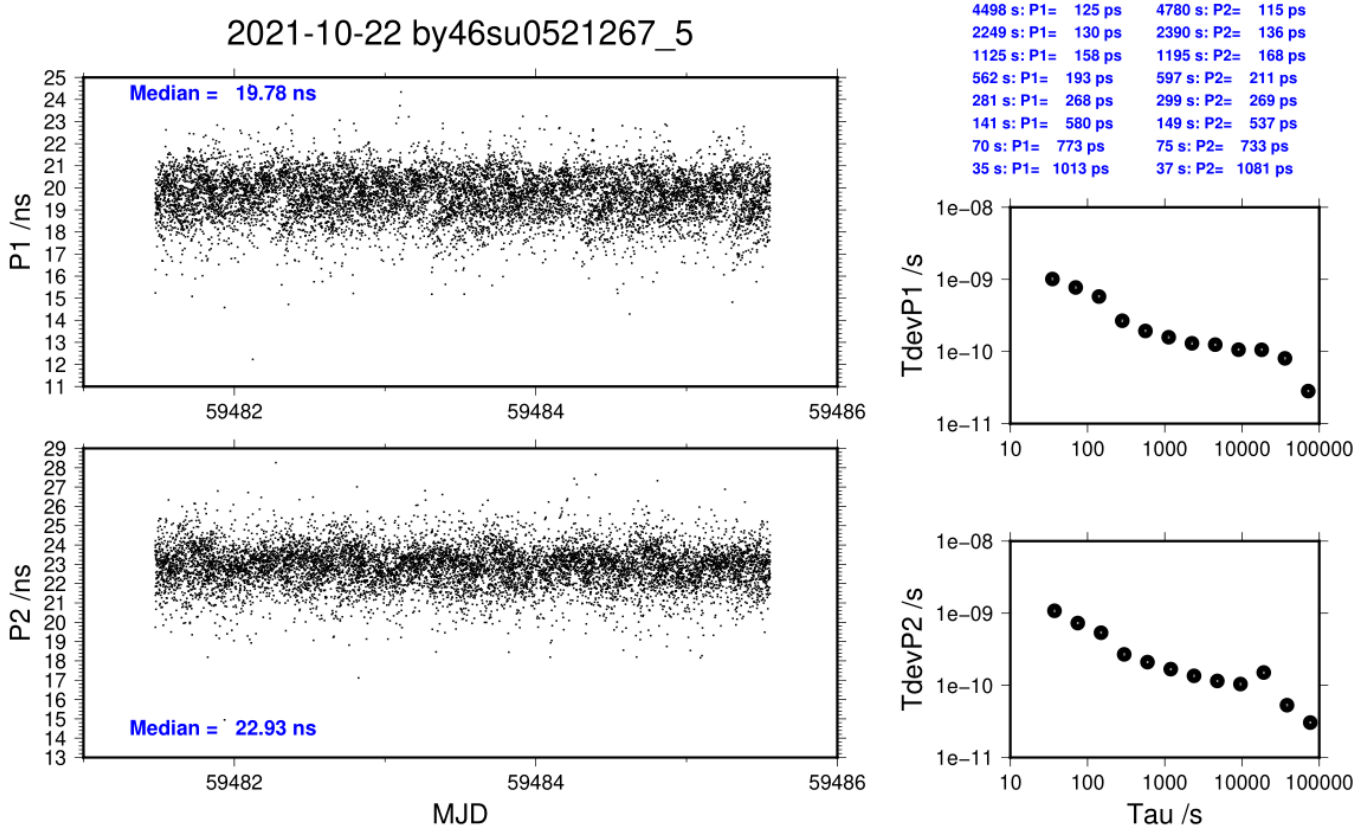
Delay type	**Value, ns**	
	MJD 59481	**MJD 59485**
Between laboratory reference source UTC(BY) and the 1 PPS input connector of the receiver	51.48	51.49
Between the 1 PPS input connector and the 10 MHz input connector	76.74	76.82
1 PPS – frequency correction (after measured delays being input into TTS)	-10.76	-10.68
Total reference delay (REF)	40.72	40.81

Mean REF = 40.77

BY46 – SU05

```
COMPUTATION OF BASELINE

 Number of codes to fit baseline and biases = 101467
 Compute baseline with sin(elev) between 0.05 and 0.90
 Apriori codes biases from 14447 high elev obs :   2.364   5.172
 Iteration   0: Obs used = 172761; Huge residuals =     48; Large residuals =   2279
 Iteration   1: Obs used = 172769; Huge residuals =      0; Large residuals =   2207
 Computed code bias (P1/P2)/m =      4.447     5.614
 Computed baseline (X,Y,Z)/m =     -2.709    -5.466     2.327
 RMS of residuals /m =      0.626

 Number of phase differences to fit baseline
 L1/L2 = 100387
 L5    =  49610
 A priori baseline (X,Y,Z)/m =     -2.709    -5.466     2.327
 11736 clock jitters computed out of  11739 intervals
 AVE jitter /ps =    0.3 RMS jitter /ps =    4.8

 Iter  1 Large residuals L1=    0
 Iter  1 Large residuals L2=    0
 Iter  1 Large residuals L5=    0
 Computed baseline L1 (X,Y,Z)/m =     -1.032    -0.506    -1.959
 RMS of residuals L1 /m =      0.004
 Computed baseline L2 (X,Y,Z)/m =     -1.033    -0.504    -1.963
 RMS of residuals L2 /m =      0.004
 Computed baseline L5 (X,Y,Z)/m =     -1.054    -0.504    -1.941
 RMS of residuals L5 /m =      0.003

 New iteration of baseline
 New apriori baseline (X,Y,Z)/m =     -3.741    -5.971     0.366
 11736 clock jitters computed out of  11739 intervals
 AVE jitter /ps =   -0.2 RMS jitter /ps =    3.2

 Iter  2 Large residuals L1=    0
 Iter  2 Large residuals L2=    0
 Iter  2 Large residuals L5=    0
 Computed baseline L1 (X,Y,Z)/m =     -0.041    -0.010    -0.051
 RMS of residuals L1 /m =      0.003
 Computed baseline L2 (X,Y,Z)/m =     -0.043    -0.009    -0.055
 RMS of residuals L2 /m =      0.004
 Computed baseline L5 (X,Y,Z)/m =     -0.046    -0.007    -0.056
 RMS of residuals L5 /m =      0.003


 Final baseline L1 (X,Y,Z)/m =     -3.782    -5.981     0.316
 Final baseline L2 (X,Y,Z)/m =     -3.783    -5.979     0.312
 Final baseline L5 (X,Y,Z)/m =     -3.787    -5.978     0.310

 COMPUTATION OF CODE DIFFERENCES

 Total number of code differences = 103031

 Global average of individual differences
 Code #pts, ave/ns, rms/ns
 C1: 102898    20.970     1.687
 C2:  73208    24.082     1.803
 P1: 100331    19.683     1.588
 P2:  94521    22.871     1.733

 Number of  300s epochs in out file =  1176
 Code #pts, median/ns, ave/ns, rms/ns
 C1:  10273    20.971    20.973     1.079
 C2:   7307    24.095    24.094     1.062
 P1:  10031    19.777    19.685     1.039
 P2:   9441    22.932    22.881     1.042
```


2021-10-22 by46su0521267_5
Median = 20.97 ns
C1 /ns
Median = 24.09 ns
C2 /ns
MJD
70280 s: C1= 35 ps
35140 s: C1= 115 ps
17570 s: C1= 83 ps
8785 s: C1= 102 ps
4393 s: C1= 118 ps
2196 s: C1= 121 ps
1098 s: C1= 164 ps
549 s: C1= 218 ps
275 s: C1= 289 ps
137 s: C1= 554 ps
69 s: C1= 790 ps
34 s: C1= 1101 ps
98812 s: C2= 25 ps
49406 s: C2= 50 ps
24703 s: C2= 136 ps
12351 s: C2= 143 ps
6176 s: C2= 104 ps
3088 s: C2= 131 ps
1544 s: C2= 169 ps
772 s: C2= 220 ps
386 s: C2= 282 ps
193 s: C2= 469 ps
96 s: C2= 754 ps
48 s: C2= 1130 ps
TdevC1 /s
TdevC2 /s
Tau /s


2021-10-22 by46su0521267_5
Median = 19.78 ns
P1 /ns
Median = 22.93 ns
P2 /ns
MJD
71976 s: P1= 28 ps
35988 s: P1= 80 ps
17994 s: P1= 106 ps
8997 s: P1= 106 ps
4498 s: P1= 125 ps
2249 s: P1= 130 ps
1125 s: P1= 158 ps
562 s: P1= 193 ps
281 s: P1= 268 ps
141 s: P1= 580 ps
70 s: P1= 773 ps
35 s: P1= 1013 ps
76475 s: P2= 31 ps
38237 s: P2= 53 ps
19119 s: P2= 151 ps
9559 s: P2= 104 ps
4780 s: P2= 115 ps
2390 s: P2= 136 ps
1195 s: P2= 168 ps
597 s: P2= 211 ps
299 s: P2= 269 ps
149 s: P2= 537 ps
75 s: P2= 733 ps
37 s: P2= 1081 ps
TdevP1 /s
TdevP2 /s
Tau /s

Information Sheet (BY14)

Laboratory:	BY
Date and hour of the beginning of measurements:	**2021-09-24 11:23:00 UTC (MJD 59481)**
Date and hour of the end of measurements:	**2021-09-28 13:23:00 UTC (MJD 59485)**

Information on the system

	Local:	**Travelling:**
4-character BIPM code	BY14	SU05
• Receiver maker and type: Receiver serial number:	Piktime TTS-5 1014	DICOM (MESIT) GTR51 1907005
1 PPS trigger level /V:	1.0 V	1.0 V
• Antenna cable maker and type: Phase stabilised cable (Y/N):	Andrew FSJ-1 Y	Andrew FSJ-1 Y
Length outside the building /m:	Approx. 5 m	Approx. 25 m
• Antenna maker and type: Antenna serial number:	Leica Geosystems LEIAR25.R4 LEIT 726819	NovAtel NOV850 NONE NMLK19250012J
Temperature (if stabilised) /°C	-	45.0 °C

Measured delays /ns

(if needed fill box "Additional Information" below)

	Local:	**Travelling:**
• Delay from local UTC to receiver 1 PPS-in:	43.22 ns	193.8 ns
Delay from 1 PPS-in to internal Reference (if different):	minus 2.98 ns	-
• Antenna cable delay:	140.59 ns	98.6 ns
Splitter delay (if any):	-	-
Additional cable delay (if any):	-	-

Data used for the generation of CGGTTS files

• INT DLY (GPS) /ns:	-
• INT DLY (Galileo) /ns:	-
• INT DLY (GLONASS) /ns:	-
• CAB DLY /ns:	-
• REF DLY /ns:	-
• Coordinates reference frame:	-
Latitude or X /m:	-
Longitude or Y /m:	-
Height or Z /m:	-

General information

• Rise time of the local UTC pulse:	1 ns
• Is the laboratory air conditioned:	Y
Set temperature value and uncertainty:	20 °C ± 3 °C
Set humidity value and uncertainty:	-

COMMENTS

All delay measurements were carried out using TIC Keysight 52230A with typical measurement uncertainty of 0.5 ns (when connected to external reference frequency source).
TTS-4 (BY46) and TTS-5 (BY14) delays were measured with the full accordance to BIPM recommendations (Annex C of Operational procedures for a visit of the traveling equipment).
RF cable delay was taken from manufacturer certificate.

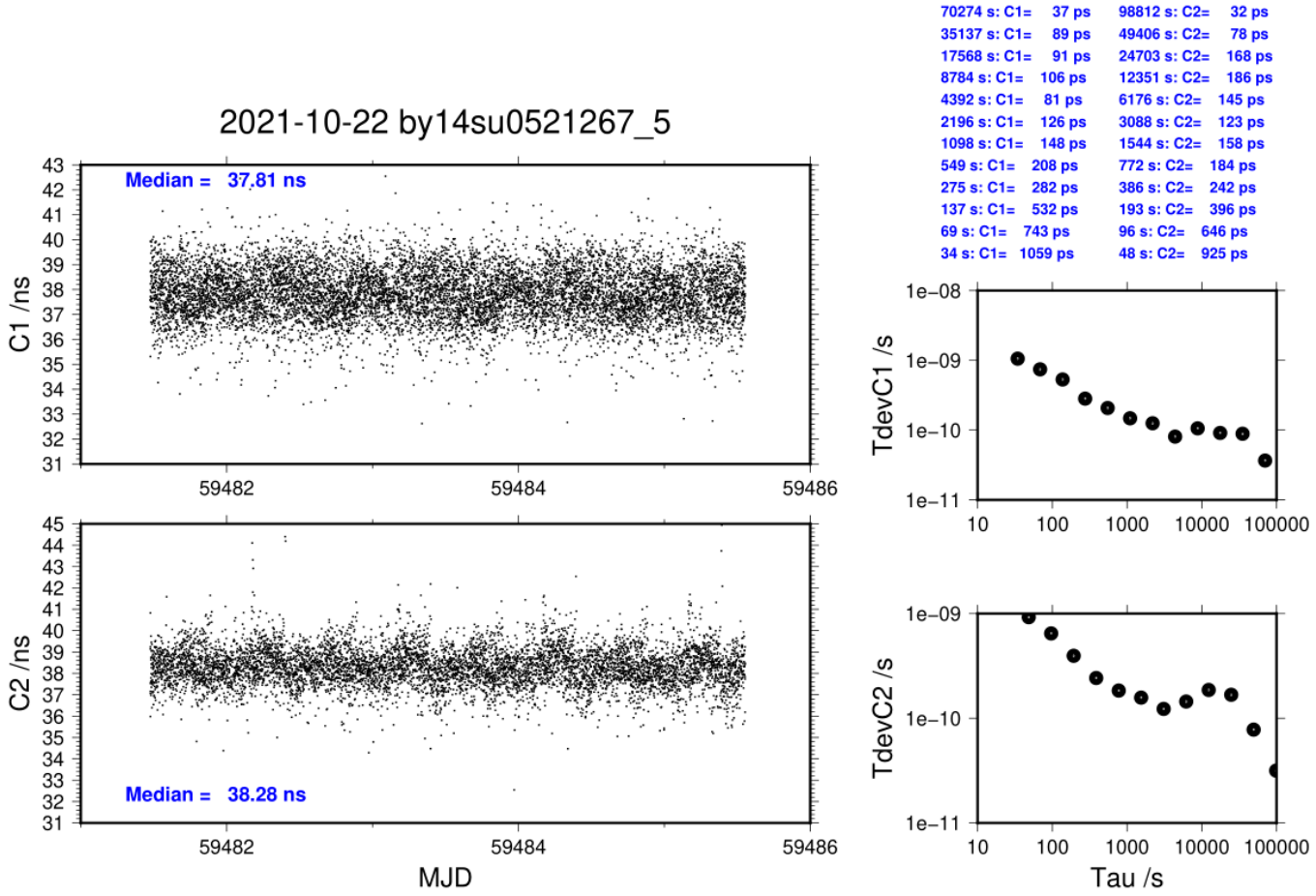
BY14 delays:

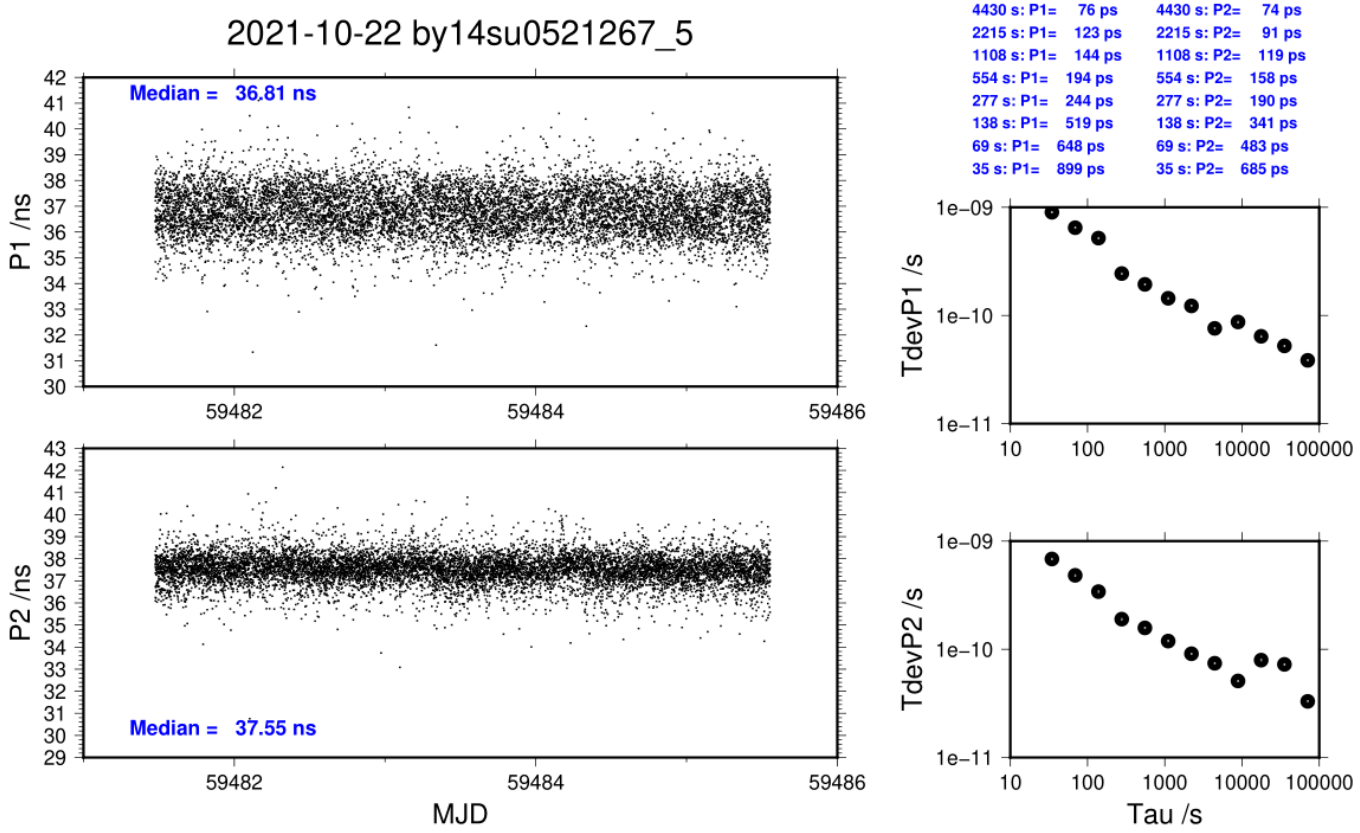
Delay type	Value, ns	
	MJD 59481	**MJD 59485**
Between laboratory reference source UTC(BY) and the 1 PPS input connector of the receiver	43.22	43.25
Between the 1 PPS input connector and the 10 MHz input connector	84.52	84.62
1 PPS – frequency correction (after measured delays being input into TTS)	-2.98	-2.88
Total reference delay (REF)	40.24	40.37

Mean REF = 40.31

COMPUTATION OF BASELINE

```
Number of codes to fit baseline and biases = 102074
Compute baseline with sin(elev) between 0.05 and 0.90
Apriori codes biases from 14547 high elev obs :   7.408   7.501
Iteration   0: Obs used = 174853; Huge residuals =      0; Large residuals =   1213
Iteration   1: Obs used = 174853; Huge residuals =      0; Large residuals =   1213
Computed code bias (P1/P2)/m =      9.341     9.548
Computed baseline (X,Y,Z)/m =     -3.950    -4.129     3.132
RMS of residuals /m =      0.673

Number of phase differences to fit baseline
L1/L2 = 101310
L5    =  49868
A priori baseline (X,Y,Z)/m =     -3.950    -4.129     3.132
11730 clock jitters computed out of  11730 intervals
AVE jitter /ps =    0.3 RMS jitter /ps =    4.9

Iter  1 Large residuals L1=    0
Iter  1 Large residuals L2=    0
Iter  1 Large residuals L5=    0
Computed baseline L1 (X,Y,Z)/m =     -1.143    -0.574    -2.429
RMS of residuals L1 /m =      0.003
Computed baseline L2 (X,Y,Z)/m =     -1.152    -0.577    -2.440
RMS of residuals L2 /m =      0.003
Computed baseline L5 (X,Y,Z)/m =     -1.166    -0.578    -2.408
RMS of residuals L5 /m =      0.003

New iteration of baseline
New apriori baseline (X,Y,Z)/m =     -5.097    -4.704     0.697
11730 clock jitters computed out of  11730 intervals
AVE jitter /ps =   -0.3 RMS jitter /ps =    3.8

Iter  2 Large residuals L1=    0
Iter  2 Large residuals L2=    0
Iter  2 Large residuals L5=    0
Computed baseline L1 (X,Y,Z)/m =     -0.041    -0.008    -0.058
RMS of residuals L1 /m =      0.003
Computed baseline L2 (X,Y,Z)/m =     -0.050    -0.011    -0.068
RMS of residuals L2 /m =      0.003
Computed baseline L5 (X,Y,Z)/m =     -0.049    -0.010    -0.065
RMS of residuals L5 /m =      0.003


Final baseline L1 (X,Y,Z)/m =     -5.139    -4.713     0.640
Final baseline L2 (X,Y,Z)/m =     -5.147    -4.716     0.629
Final baseline L5 (X,Y,Z)/m =     -5.146    -4.715     0.632

COMPUTATION OF CODE DIFFERENCES

Total number of code differences = 103024

Global average of individual differences
Code #pts, ave/ns, rms/ns
C1: 102902    37.827     1.622
C2:  73198    38.288     1.497
P1: 101950    36.809     1.346
P2: 101946    37.524     1.136

Number of  300s epochs in out file =  1176
Code #pts, median/ns, ave/ns, rms/ns
C1:  10274    37.812    37.832     1.029
C2:   7307    38.285    38.299     0.909
P1:  10186    36.809    36.814     0.907
P2:  10186    37.553    37.527     0.677
```


2021-10-22 by14su0521267_5
Median = 37.81 ns
C1 /ns
Median = 38.28 ns
C2 /ns
MJD
70274 s: C1= 37 ps
35137 s: C1= 89 ps
17568 s: C1= 91 ps
8784 s: C1= 106 ps
4392 s: C1= 81 ps
2196 s: C1= 126 ps
1098 s: C1= 148 ps
549 s: C1= 208 ps
275 s: C1= 282 ps
137 s: C1= 532 ps
69 s: C1= 743 ps
34 s: C1= 1059 ps
98812 s: C2= 32 ps
49406 s: C2= 78 ps
24703 s: C2= 168 ps
12351 s: C2= 186 ps
6176 s: C2= 145 ps
3088 s: C2= 123 ps
1544 s: C2= 158 ps
772 s: C2= 184 ps
386 s: C2= 242 ps
193 s: C2= 396 ps
96 s: C2= 646 ps
48 s: C2= 925 ps
TdevC1 /s
TdevC2 /s
Tau /s


2021-10-22 by14su0521267_5
Median = 36.81 ns
P1 /ns
Median = 37.55 ns
P2 /ns
MJD
70881 s: P1= 39 ps
35440 s: P1= 52 ps
17720 s: P1= 64 ps
8860 s: P1= 87 ps
4430 s: P1= 76 ps
2215 s: P1= 123 ps
1108 s: P1= 144 ps
554 s: P1= 194 ps
277 s: P1= 244 ps
138 s: P1= 519 ps
69 s: P1= 648 ps
35 s: P1= 899 ps
70881 s: P2= 33 ps
35440 s: P2= 73 ps
17720 s: P2= 79 ps
8860 s: P2= 51 ps
4430 s: P2= 74 ps
2215 s: P2= 91 ps
1108 s: P2= 119 ps
554 s: P2= 158 ps
277 s: P2= 190 ps
138 s: P2= 341 ps
69 s: P2= 483 ps
35 s: P2= 685 ps
TdevP1 /s
TdevP2 /s
Tau /s

3. Laboratory: SU

Information Sheet

Laboratory:	SU
Date and hour of the beginning of measurements:	**2021-09-29 12:02:00 UTC (MJD 59486)**
Date and hour of the end of measurements:	**2021-10-03 23:59:30 UTC (MJD 59490)**

Information on the system

	Local:	**Travelling:**
4-character BIPM code	SU31	SU05
• Receiver maker and type: Receiver serial number:	DICOM (MESIT) GTR51 1604031	DICOM (MESIT) GTR51 1907005
1 PPS trigger level /V:	1.0 V	1.0 V
• Antenna cable maker and type: Phase stabilised cable (Y/N):	Andrew FSJ-1 Y	Andrew FSJ-1 Y
Length outside the building /m:	Approx. 15 m	Approx. 15 m
• Antenna maker and type: Antenna serial number:	Leica Geosystems LEIAR25.R4 LEIT 726435	NovAtel NOV850 NONE NMLK19250012J
Temperature (if stabilised) /°C	45.0 °C	45.0 °C

Measured delays /ns

(if needed fill box "Additional Information" below)

	Local:	**Travelling:**
• Delay from local UTC to receiver 1 PPS-in:	193.8 ns	193.8 ns
Delay from 1 PPS-in to internal Reference (if different): (see section 2 for details)	-	-
• Antenna cable delay:	143.2 ns	98.6 ns
Splitter delay (if any):	-	-
Additional cable delay (if any):	-	-

Data used for the generation of CGGTTS files

• INT DLY (GPS) /ns:	-
• INT DLY (Galileo) /ns:	-
• INT DLY (GLONASS) /ns:	-
• CAB DLY /ns:	-
• REF DLY /ns:	-
• Coordinates reference frame:	-
Latitude or X /m:	-
Longitude or Y /m:	-
Height or Z /m:	-

General information

• Rise time of the local UTC pulse:	2 ns
• Is the laboratory air conditioned:	Y
Set temperature value and uncertainty:	19.5 °C ± 0.5 °C
Set humidity value and uncertainty:	-

COMPUTATION OF BASELINE

```
Number of codes to fit baseline and biases = 121023
Compute baseline with sin(elev) between 0.05 and 0.90
Apriori codes biases from 15277 high elev obs : -17.469 -19.357
Iteration   0: Obs used = 212477; Huge residuals =     12; Large residuals =    291
Iteration   1: Obs used = 212479; Huge residuals =      0; Large residuals =    277
Computed code bias (P1/P2)/m =    -18.108   -20.044
Computed baseline (X,Y,Z)/m =      6.400     3.453    -5.293
RMS of residuals /m =      0.385

Number of phase differences to fit baseline
L1/L2 = 119903
L5    =  57375
A priori baseline (X,Y,Z)/m =      6.400     3.453    -5.293
12955 clock jitters computed out of  12955 intervals
AVE jitter /ps =   -0.1 RMS jitter /ps =    3.9

Iter  1 Large residuals L1=    3
Iter  1 Large residuals L2=    3
Iter  1 Large residuals L5=    1
Computed baseline L1 (X,Y,Z)/m =      0.312     0.226     0.710
RMS of residuals L1 /m =      0.004
Computed baseline L2 (X,Y,Z)/m =      0.323     0.226     0.715
RMS of residuals L2 /m =      0.004
Computed baseline L5 (X,Y,Z)/m =      0.323     0.223     0.703
RMS of residuals L5 /m =      0.004

Iter  2 Large residuals L1=    3
Iter  2 Large residuals L2=    3
Iter  2 Large residuals L5=    1
Computed baseline L1 (X,Y,Z)/m =      0.312     0.226     0.710
RMS of residuals L1 /m =      0.004
Computed baseline L2 (X,Y,Z)/m =      0.323     0.226     0.715
RMS of residuals L2 /m =      0.004
Computed baseline L5 (X,Y,Z)/m =      0.323     0.223     0.703
RMS of residuals L5 /m =      0.004

New iteration of baseline
New apriori baseline (X,Y,Z)/m =      6.718     3.679    -4.580
12955 clock jitters computed out of  12955 intervals
AVE jitter /ps =    0.1 RMS jitter /ps =    1.2

Iter  3 Large residuals L1=    3
Iter  3 Large residuals L2=    3
Iter  3 Large residuals L5=    1
Computed baseline L1 (X,Y,Z)/m =      0.008     0.011     0.020
RMS of residuals L1 /m =      0.004
Computed baseline L2 (X,Y,Z)/m =      0.019     0.012     0.025
RMS of residuals L2 /m =      0.004
Computed baseline L5 (X,Y,Z)/m =      0.019     0.005     0.021
RMS of residuals L5 /m =      0.004


Final baseline L1 (X,Y,Z)/m =      6.726     3.691    -4.560
Final baseline L2 (X,Y,Z)/m =      6.737     3.691    -4.555
Final baseline L5 (X,Y,Z)/m =      6.737     3.685    -4.559

COMPUTATION OF CODE DIFFERENCES

Total number of code differences = 121367

Global average of individual differences
Code #pts, ave/ns, rms/ns
C1: 121258   -61.818     1.034
C2:  84172   -66.907     1.036
P1: 120943   -62.056     1.158
P2: 120938   -68.528     1.105
```

```
Number of  300s epochs in out file =  1296
Code #pts, median/ns, ave/ns, rms/ns
C1:  12118   -61.833   -61.820     0.681
C2:   8414   -66.896   -66.910     0.577
P1:  12086   -62.069   -62.062     0.734
P2:  12085   -68.549   -68.534     0.609
```