

# Project report

Date: Tue May 2 2023 10:28:09  
Build with: Z+FLaserControl 9.0.2.24038  
Project: Casa Fantaneanu  
Master scan position: 1

105 scans registered.

## Quality standard deviation of the cloud to cloud registration

d:3.37 mm

## Superior matrix

1.000000	0.000000	0.000000	0.0000 m
0.000000	1.000000	0.000000	0.0000 m
0.000000	0.000000	1.000000	0.0000 m
0.000000	0.000000	0.000000	1.0000

# Scan position '1'

Scan position is member of group(s):  
 Status registration '[23h] preregistered'  
 Registration matrix:

0.364292	-0.931285	0.000000	0.0000 m
0.931285	0.364292	0.000000	0.0000 m
0.000000	0.000000	1.000000	0.0000 m
0.000000	0.000000	0.000000	1.0000

## Scan '1'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

```

Sensor
sensors: 3100 *barometric translation rotation gps
Barometer: 0.995387 bar * 50.032 m
nav translation: 0.0000 m 0.0000 m 148.2221 m accuracies: 5.1000 m 5.1000 m 0.0001 m
nav rotation: 0.00000 0.0000 0.9312850 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:44.430496 long:24.360282 satellites:4 height:184.4m hdoa:5.1 vdcpr:5.2m hacc: 8.0m vacc:18.0 tags:G3 'stand alone 3D solution'
north:1925078.239 m east:289888.166 m zere:35T
Initial pre position (300..toor)
0.364 -0.931 0.000 0.000
0.931 0.364 0.000 0.000
0.000 0.000 1.000 0.000
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



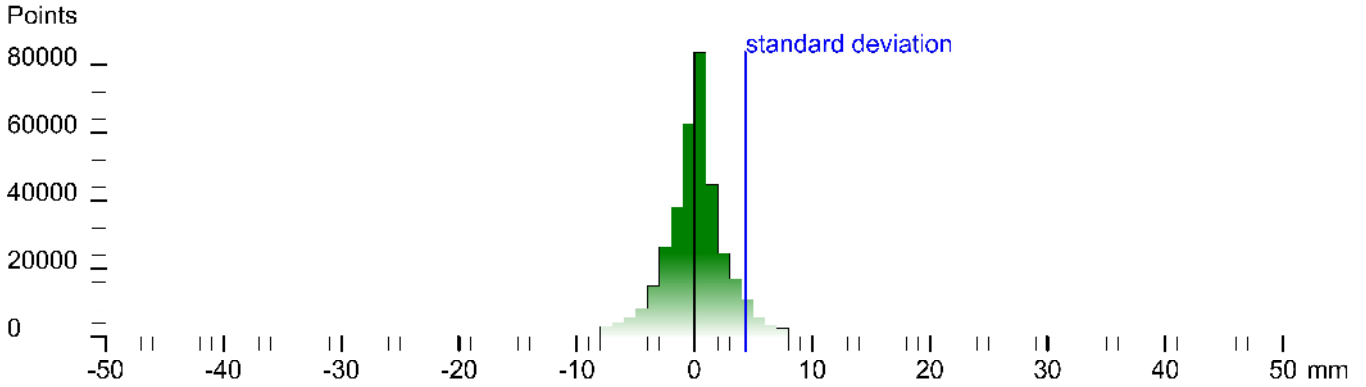
# Scan position '10'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.979736  0.200294  0.000251  15.8221 m
-0.200294 -0.979735 -0.001402  13.7795 m
-0.000035 -0.001424  0.999999  1.8465 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:4.4 mm

## Deviation histogram



## Scan '10'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: null
Sensor
sensors: 3100 *barome or transition rotation gps
Barometer: 0.995264 bar / 50.823 m
nav translation: -11.6781 m -4.2011 m 150.3800 m accuracies: 11.3595 m 11.3595 m 0.0000 m
nav rotation: 0.0000 0.0000 0.74738 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:44.430882 long:24.361153 satellites:3 height:109.5m hdop:5.1 vdoor:0m hacc:16.4m vacc:5.1 tags:G2 'stand alone 2D solution'
north:1923116.707 m east:289568.235 m zone:35T
Initial pre position (0:indoor)
-0.976 0.217 0.000 0.192
-0.217 -0.976 0.000 46.372
0.000 0.000 1.000 0.767
0.000 0.000 0.000 1.000
```

Level system info: no information about the level system stored in the zfs header



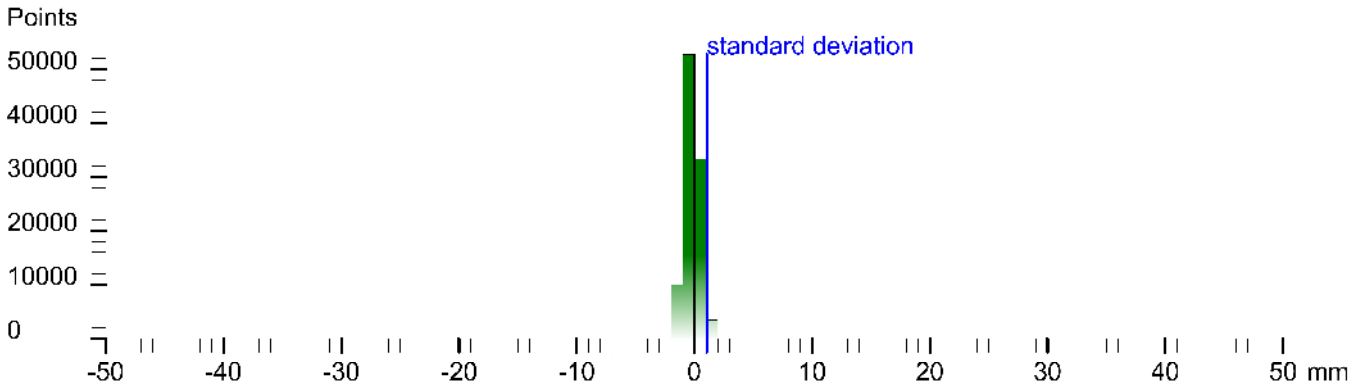
# Scan position '100'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

0.178427	0.983952	0.001306	8.5164 m
-0.983952	0.178429	-0.001445	0.4793 m
-0.001657	-0.001027	0.999998	8.2540 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



## Scan '100'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan comment: null  
Sensor  
sensors: 3096 \*barometric transition rotation\*  
Barometer: 0.993562 bar / 85.204 m  
nav translation: 1.6316 m -1.4939 m 104.8° 70 m accuracies: 0.290° m 0.290° m 0.0000 m  
nav rotation: 0.0000 0.0000 92.2183 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (Girdoor)  
-3.039 0.989 0.000 -21.760  
-0.999 -0.039 0.000 4.219  
0.000 0.000 1.000 15.294  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '101'

Scan position is member of group(s):

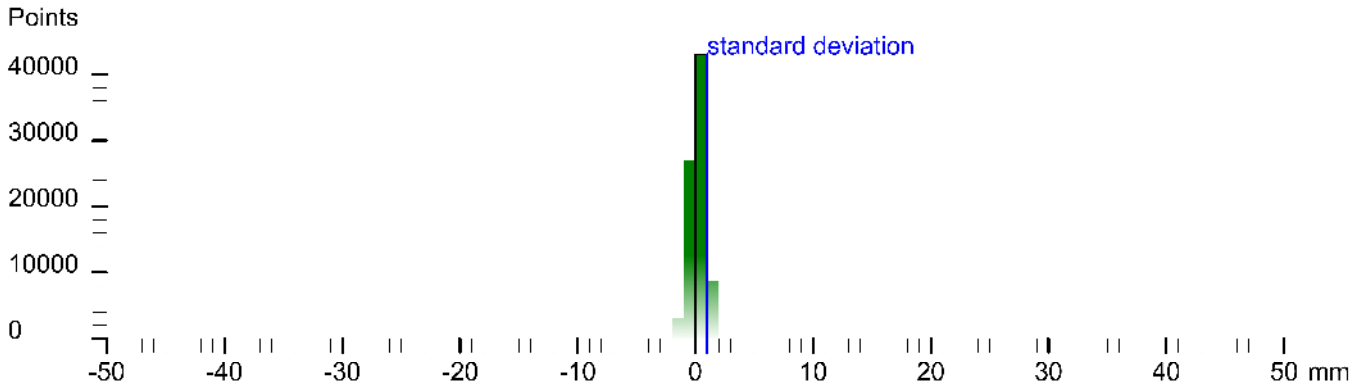
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

0.284722	0.958608	0.001897	9.3351 m
-0.958611	0.284723	-0.000224	6.2611 m
-0.000757	-0.001754	0.999998	8.2617 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



## Scan '101'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value

comment

operator

```
Scan comment: null; IP address: 192.168.1.14; Time: 14:01:10; Target: '01101h'; Core: 'Full'; Cloud: 'Cloud'; Features: 'spot'; Resolution: '400'; Compensation: 'on'; Position: '20'; Scan: 'Point'; Color: 'normal'; Resolution: 'high'; Median filter: '12'; Size: '640'; Format: '16-bit'; Color: '24-bit';  
Sensor:  
sensors: 3096; barometric compensation:  
Barometer: 0.993535 bar; 85.434 m  
nav translation: 5.3475 m 0.2315 m 10/.9900 m accuracies: 7.83/5 m 7.83/5 m 3.0000 m  
nav rotation: 0.0000 0.0000 6/.1899 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.049 0.998 0.000 -6.413  
-0.998 0.049 0.000 4.421  
0.000 0.000 1.000 15.377  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '103'

Scan position is member of group(s):

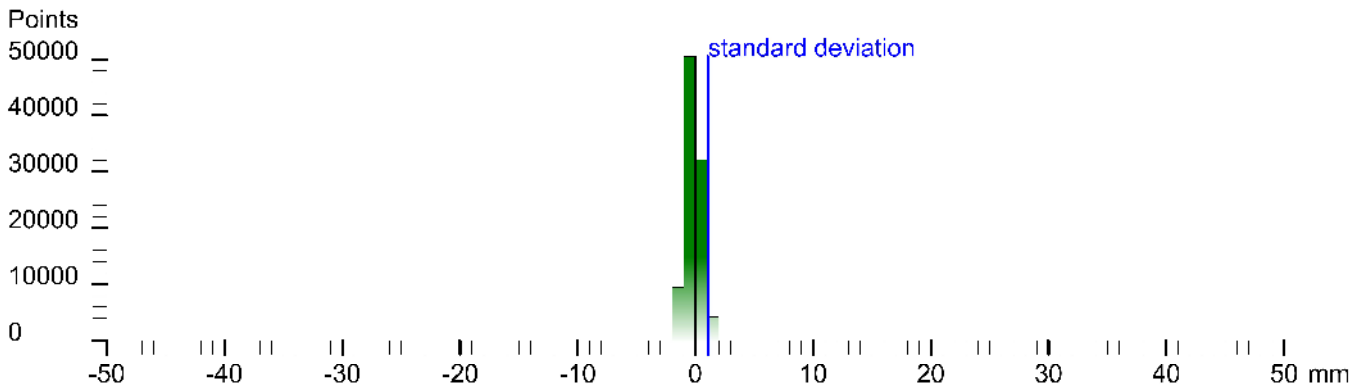
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

```
0.293221 0.956040 0.003062 13.9431 m
-0.956032 0.293233 -0.004445 5.9532 m
-0.005149 -0.001623 0.999985 8.2473 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.1 mm

## Deviation histogram



## Scan '103'

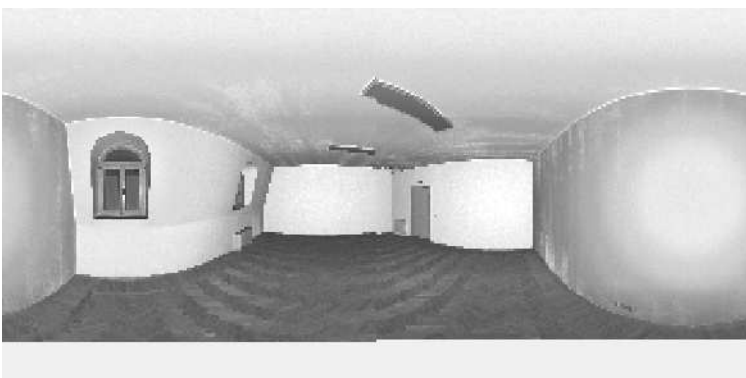
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: null [102h] registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.993473 bar / 85.963 m  
nav translation: 0.2611 m -0.5905 m 105.8285 m accuracies: 5.4329 m 5.4329 m 0.0000 m  
nav rotation: 0.0000 0.0000 91.0448° accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (Girdoor)  
-3.018 1.000 0.000 -11.354  
-1.000 -0.016 0.000 2.303  
0.000 0.000 1.000 16.215  
0.000 0.000 0.000 1.000
```

Level system info: no information about the level system stored in the zfs header



# Scan position '104'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

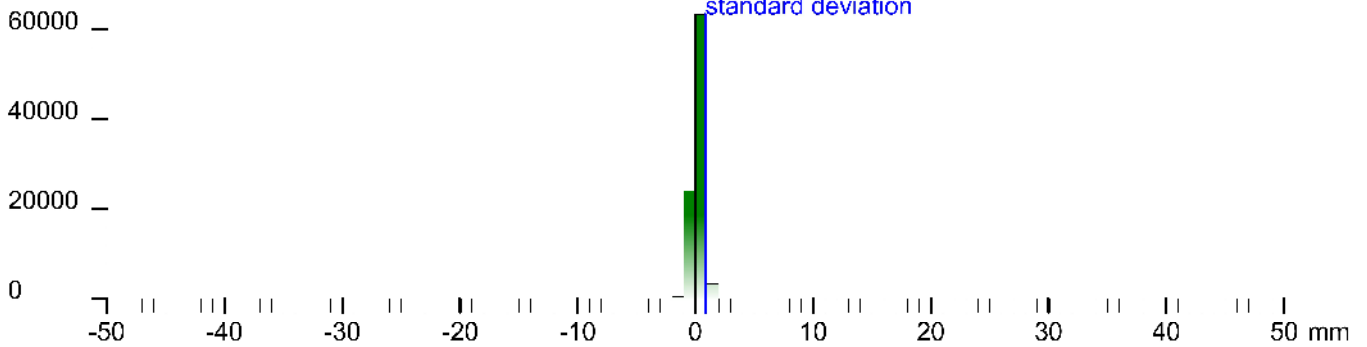
Registration matrix:

```
-0.924014 -0.382360 -0.000062 9.1510 m
0.382358 -0.924007 -0.003947 4.9574 m
0.001452 -0.003672 0.999992 8.2601 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:0.8 mm

## Deviation histogram

Points



## Scan '104'

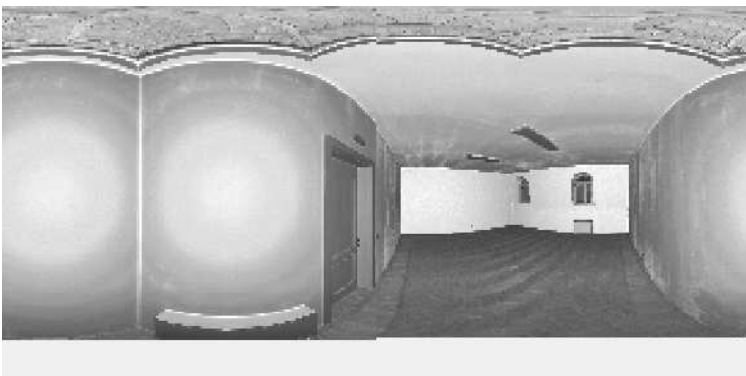
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '104' - name: '104' - group: '104' - type: 'Cloud to Cloud' - status: 'Registered' - registration: 'Cloud to Cloud' - standard deviation: 0.8 mm - registration matrix: [[[-0.924014, -0.382360, -0.000062, 9.151, 0.382358, -0.924007, -0.003947, 4.9574, 0.001452, -0.003672, 0.999992, 8.2601, 0.0, 0.0, 0.0, 1.0]]]
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.993387 bar * 86.886 m
nav translation: -3.4487 m 3.0777 m 105.7783 m accuracies: 5.3696 m 5.3696 m 0.0000 m
nav rotation: 0.0000 0.0000 219.5602 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position (0:indoor)
-3.771 -0.637 0.003 -11.804
0.637 -0.111 0.000 2.377
0.000 0.000 1.000 16.765
0.000 0.000 0.000 1.000
```

Level system info: no information about the level system stored in the zfs header



# Scan position '105'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

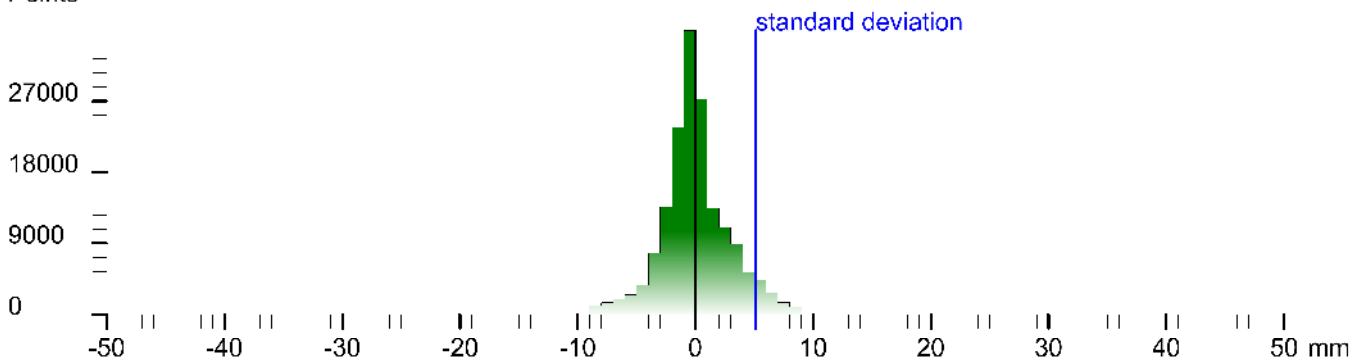
Registration matrix:

```
0.599037 -0.800721 0.000388 19.5852 m
0.800721 0.599037 0.000292 7.2695 m
-0.000466 0.000136 1.000000 0.4099 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:5.1 mm

## Deviation histogram

Points



## Scan '105'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: null  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.994232 bar / 59.544 m  
nav translation: 1.0486 m -3.4110 m 158.9678 m accuracies: 7.2374 m 7.2374 m 0.0000 m  
nav rotation: 0.0000 0.0000 537.6264 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.925 -0.381 0.000 -13.755  
0.381 0.925 0.000 -1.037  
0.000 0.000 1.000 9.254  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '106'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

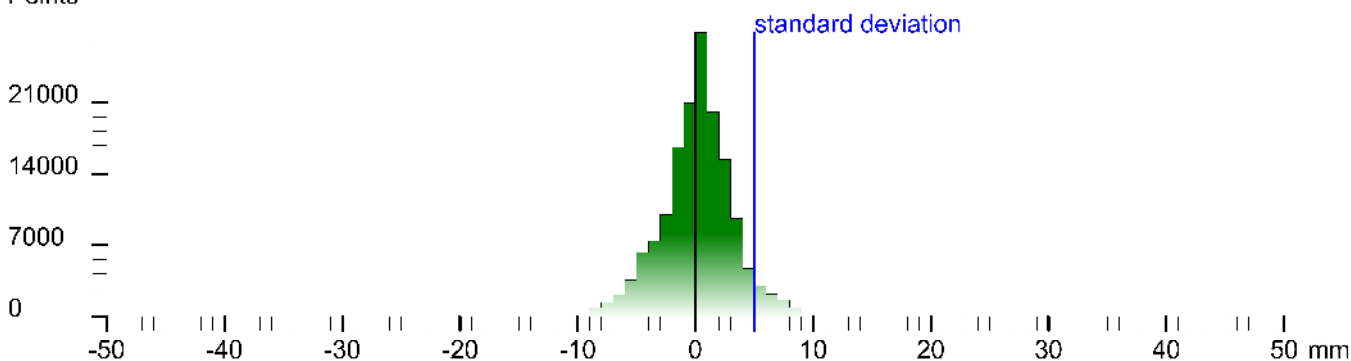
Registration matrix:

```
-0.044696 -0.999001 0.000065 13.5240 m  
0.999001 -0.044696 -0.000006 14.0574 m  
0.000009 0.000064 1.000000 0.4917 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:5.0 mm

## Deviation histogram

Points



## Scan '106'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '106' - name: '106' - group: '106' - type: 'Cloud to Cloud' - status: 'Registered' - registration: 'Cloud to Cloud' - standard deviation: 5.0 mm - resolution: 'High' - quality: 'Normal' - sensor: 'Z+F IMAGER 5016' - serial number: '5016-0100' - firmware: '9.0.3.6562-0' - scan resolution: 'High' - quality: 'Normal'
```

Sensors: 3096 \*barometric transition rotation\*  
Barometer: 0.994249 bar \*59.334 m  
nav translation: -1.5228 m 8.6927 m 159.1361 m accuracies: 9.5103 m 9.5103 m 0.0001 m  
nav rotation: 0.0000 0.0000 281.9228 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.200 -0.980 0.000 -15.278  
0.980 0.200 0.000 1.656  
0.000 0.000 1.000 9.523  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '11'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

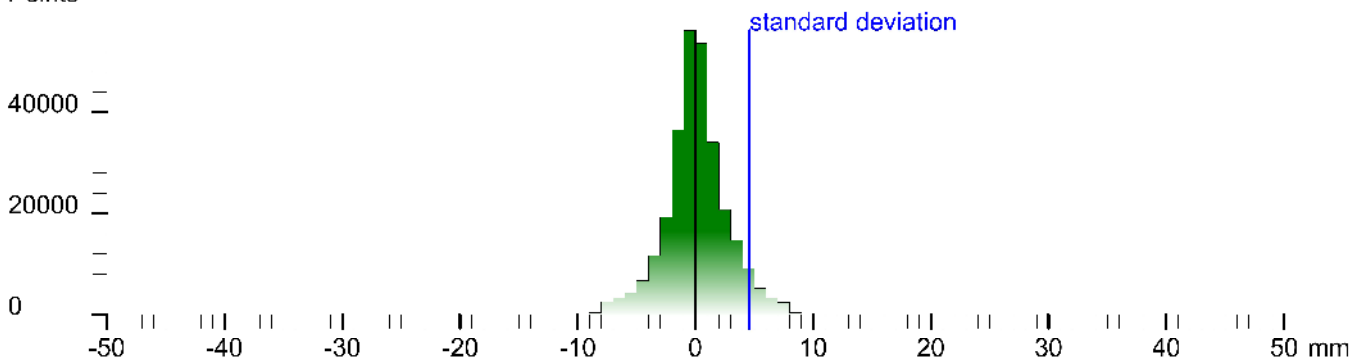
Registration matrix:

```
-0.148239 0.988951 0.000934 11.1381 m  
-0.988952 -0.148239 -0.000701 18.1197 m  
-0.000555 -0.001027 0.999999 2.2985 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.6 mm

## Deviation histogram

Points



## Scan '11'

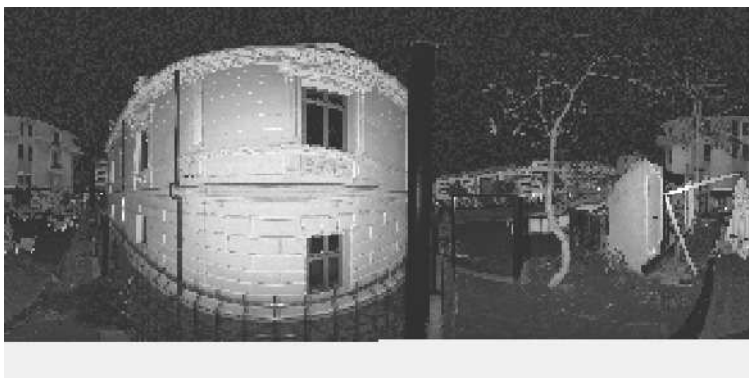
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: full 1908x1403 mm scale: 1.46 mm / pixel  
Sensor  
sensors: 3100 * barome or transition rotation gps  
Barometer: 0.995198 bar ~ 51.378 m  
nav translation: -3.8980 m 1.6926 m 150.6613 m accuracies: 10.1251 m 10.1251 m 0.0000 m  
nav rotation: 0.0000 0.0000 * 24.6075 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS lat:44.4306 lon:24.360486 satellites:5 height:181.6m hddo:*.5 vddcp:2.2m hacc:8.9m vacc:6.1 flags:G3 'stand alone 3D solution'  
north:1923093.890 m east:2899.29411 m zone:35T  
Initial pre position (3-coo. tooor)  
-0.588 0 873 0.000 4.167  
-0.823 -0.566 0.000 45.899  
0.000 0.000 1.000 1.048  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '12'

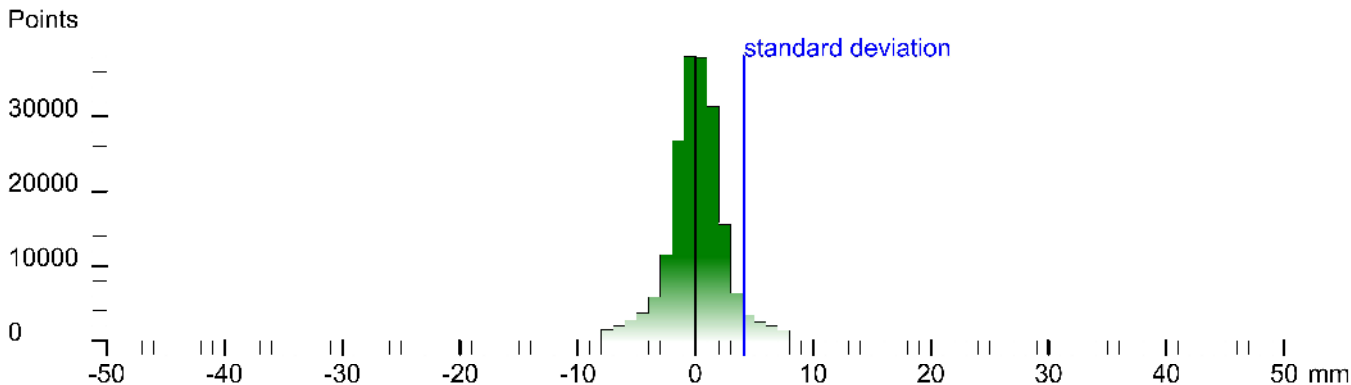
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.370515  0.928826  0.001167  5.6006 m
-0.928827 0.370515 -0.000277 24.2406 m
-0.000690 -0.000981 0.999999  1.1455 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation:4.1 mm

## Deviation histogram



## Scan '12'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```

Scan comment: '12'
Sensor
sensors: 3100 *barometer/transition rotation/gps
Barometer: 0.995377 bar ~49.865 m
nav translation: -3.40/5 m -8.41/8 m 1/9.5358 m accuracies: 8.7149 m 9.7149 m 0.0000 m
nav rotation: 0.0000 0.0000 /2.1666 accuracies: 0.0000 0.0000 /5.0000
upside-down: no
GPS: lat:44.30714 long:24.360403 satellites:8 height:182.8m hdop:0.9 vdcpr:1.7m hacc:4.6-m vacc:7.5 flags:G3 'stand alone 3D solution'
'alt':1923102.107 m east:289506.040 m zero:35T
Initial pre position (3-coor):
0.306 0.957 0.000 -0.750
-0.952 0.306 0.000 54.175
0.000 0.300 1.000 -0.077
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.







# Scan position '14'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

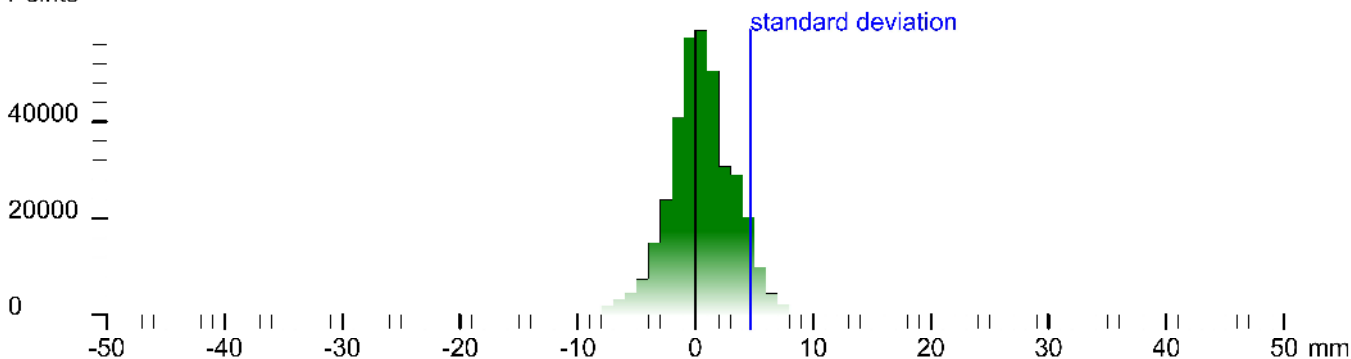
Registration matrix:

```
0.251700 0.967805 0.001321 -5.5115 m
-0.967805 0.251700 -0.000295 20.9962 m
-0.000618 -0.001204 0.999999 0.0049 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.7 mm

## Deviation histogram

Points



## Scan '14'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '14' [102h] registered with cloud to cloud  
Sensor  
sensors: 3100 * barometric transition rotation gps  
Barometer: 0.995464 bar * 49.133 m  
nav translation: -3.6987 m -10.0931 m 148.5165 m accuracies: 10.5149 m * 0.51 * 9 m 0.0000 m  
nav rotation: 0.0000 0.0000 63.0966 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
GPS: lat:44.30895 long:24.360285 satellites:6 height:182.1m hddo: * 2 vddcp:2.2m hacc:4.5m vacc:8.6 flags:G3 'stand alone 3D solution'  
north:1923100.292 m east:289898.558 m zone:35T  
Initial pre position (3.o. t.coor):  
0.73 0.985 0.000 -0.2710  
-0.985 0.173 0.000 62.367  
0.000 0.000 1.000 -0.067  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '15'

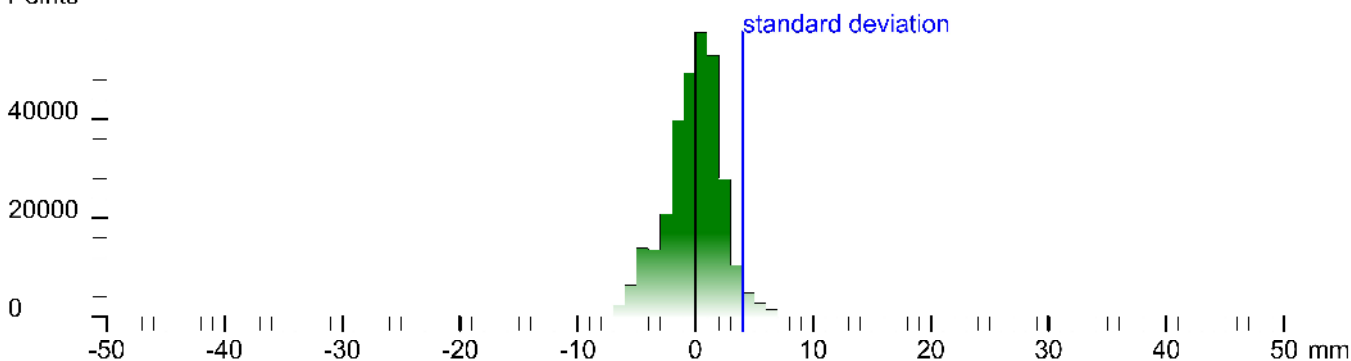
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
0.614534 0.788889 0.001371 -10.1452 m
-0.788890 0.614535 -0.000032 11.6642 m
-0.000868 -0.001061 0.999999 -0.3024 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.0 mm

## Deviation histogram

Points



## Scan '15'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: full 1.928x0.303 m range: 1.48-1.57 m scan: 15" type: "Close Range" name: "Close Range scan" position: "data" temperature: "none" scan date: "2023-08-15" scan duration: "00:00:00" scan resolution: "4.000000" scan distance: "10.1452" scan "15"
Sensor
sensors: 3100 * barome or transition rotation gps
Barometer: 0.995431 bar ~ 49.414 m
nav translation: -1.6012 m -10.1193 m ~ 18.7652 m accuracies: ~ 0.2964 m 10 2964 m 0 0000 m
nav rotation: 0.0000 0.0000 0.0000 ss: 87.66 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS: lat: 44.30611 lon: 24.360205 satellites: 5 height: 177.4 m hdop: 1.5 vdos: 2.7 m hacc: 5.8 m vacc: 9.6 flags: G3's anc store 3D solution!
north: 1923091.176 m east: 289891.882 m zone: 35T
Initial pre position (3.o. tocoo):
0.581 0.878 0.000 ~ 6.878
-0.828 0.561 0.000 43.242
0.000 0.000 1.000 -0.848
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



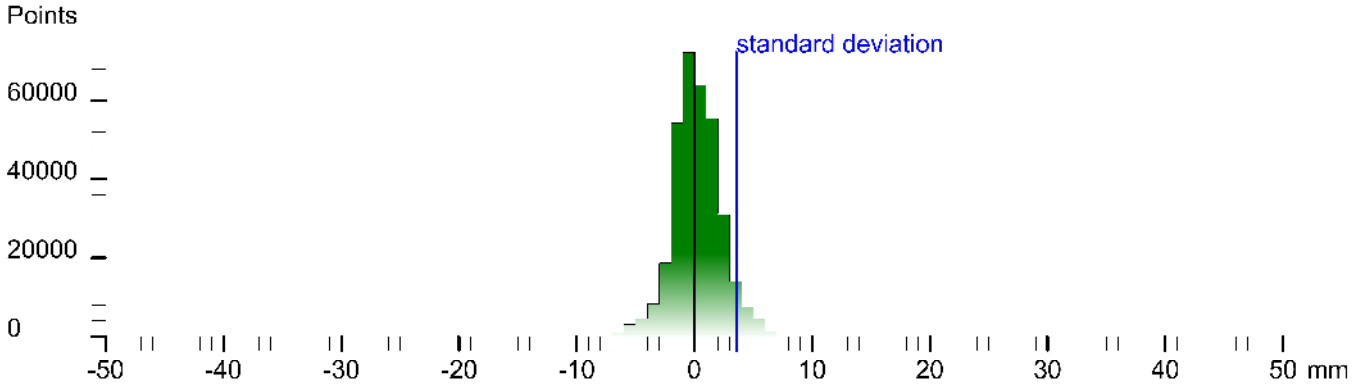
# Scan position '16'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.357167 0.934040 0.001060 -6.0703 m  
-0.934041 0.357168 -0.000369 5.8947 m  
-0.000723 -0.000858 0.999999 -0.1199 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.6 mm

## Deviation histogram



## Scan '16'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '16' member of group(s): '16' status: '16' registration: '16' registered with cloud to cloud  
Sensor  
sensors: 3100 * barometer transition rotation gps  
Barometer: 0.995386 bar ~ 49.792 m  
nav translation: 6.0799 m -7.7107 m 1° 9' 532 m accuracies: 10.0261 m 10.0261 m 0.0000 m  
nav rotation: 0.0000 0.0000 / 5.8102 accuracies: 0.0000 0.0000 / 5.0000  
upside-down: no  
GPS lat: 44.30576 long: 24.360245 satellites: 4 height: 177.0m hhdop: 1.9 vhdop: 1.0m hacc: 9.1m vacc: 12.0 flags: G2's are alone 2D solution'  
north: 1923087.260 m east: 289894.947 m zone: 35T  
Initial pre position (3-coor):  
0.745 0.968 0.000 ~ 3.82°  
-0.989 0.2-5 0.000 33.252  
0.000 0.000 1.000 -0.160  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



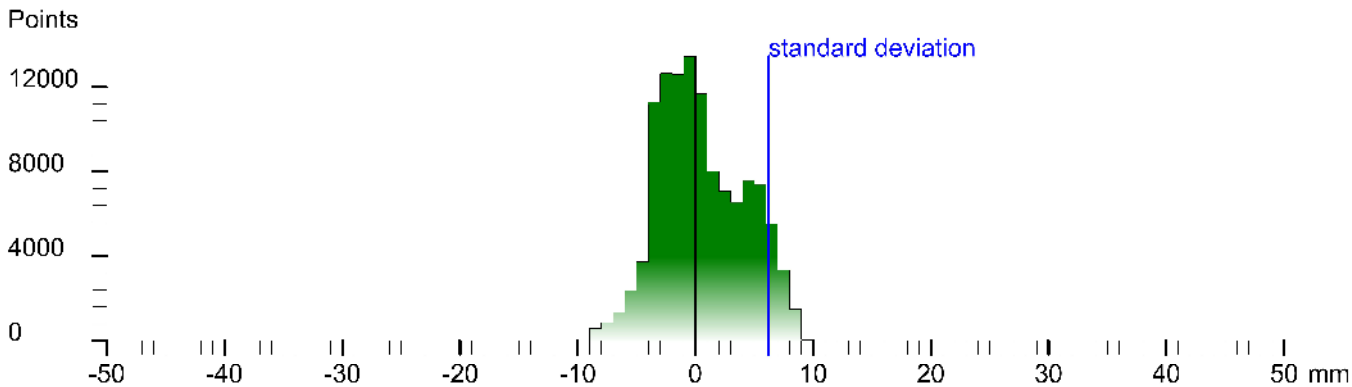
# Scan position '17'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

0.977042	-0.213047	-0.000268	-25.2356 m
0.213047	0.977042	0.000012	-1.2723 m
0.000259	-0.000069	1.000000	-1.5530 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:6.2 mm

### Deviation histogram



## Scan '17'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
----------	-------

comment  
operator

```
Sensor
sensors: 3100 *barometric transition rotation gps
Barometer: 0.995498 bar * 48.842 m
nav translation: -10.2885 m 1.1689 m 148.1300 m accuracies: 10.3511 m 10.3511 m 0.0000 m
nav rotation: 0.0000 0.0000 356.974 / accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:44.30615 long:24.360016 satellites:6 height:174.8m hddow:*.3 vdcop:2.8m hacc:7.5m vacc:10.0 flags:G3's ainc ainc 3D solution'
north:1923081.068 m east:289876.510 m zone:35T
Initial pre position (3.o. tcoor):
0.998 -0.070 0.000 -32.266
0.070 0.998 0.000 33.084
0.000 0.000 1.000 -.177
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '19'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

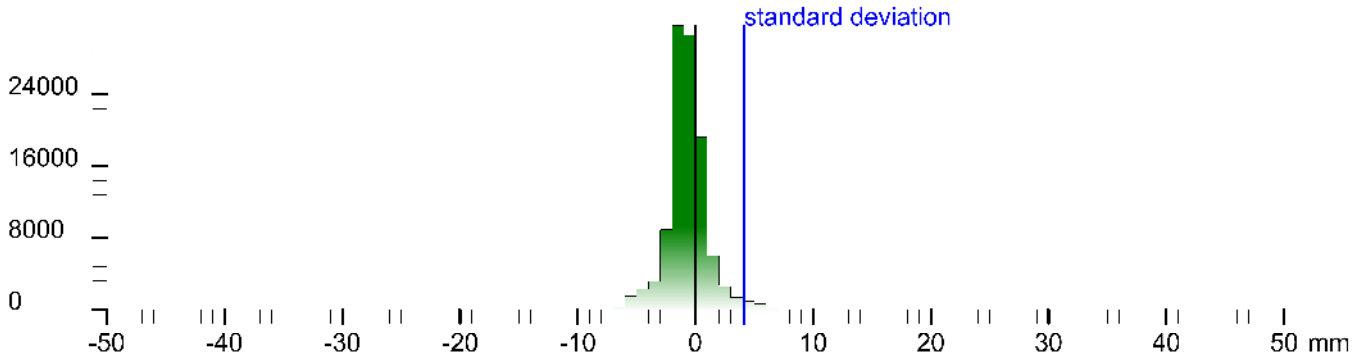
```

0.980256  0.197735  0.000439  -19.4723 m
-0.197735 0.980256 -0.000383 -19.3151 m
-0.000506 0.000288 1.000000  -2.1794 m
0.000000  0.000000  0.000000  1.0000
  
```

Result registration cloud to cloud standard deviation:4.1 mm

## Deviation histogram

Points



## Scan '19'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Scan ID: 190804031 - name: 14h19 - status: 101 - type: 'Cloud to Cloud' - registration: 'cloud to cloud' - registration matrix: '0.980256 0.197735 0.000439 -19.4723 m' - scan resolution: 'High' - scan quality: 'Normal'
Sensor
sensors: 3100 * barometric transition rotation gps
Barometer: 0.995499 bar ~ 48.838 m
nav translation: 0.9679 m -7.1100 m 1° 8.3' 38 m accuracies: 8.96/6 m 8.96/6 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 / 0.0000 0.0000 1s 0.0000
upside-down: no
GPS: lat:44.30087 long:24.360035 satellites:6 height:177.3m hddcc:1.4 vddcc:2.5m hacc:5.2m vacc:7.4 flags:G3 'stand alone 3D solution'
ortho:1923064.793 m east:289877.495 m zone:35T
Initial pre position (3-coor):
0.957 0.305 0.000 -31.284
-0.305 0.952 0.000 - 8.576
0.000 0.000 1.000 -1.308
0.000 0.000 0.000 1.000
  
```

Level system info: dynamic compensator available.



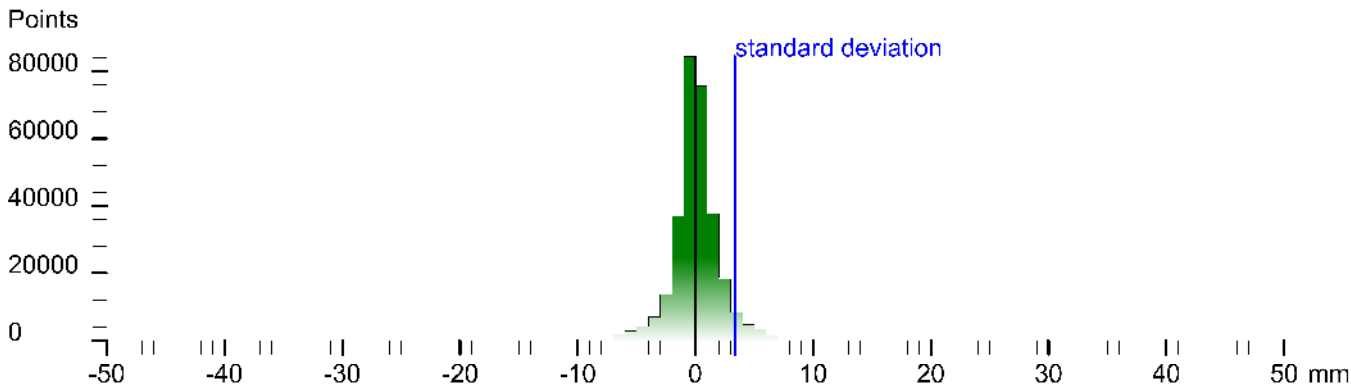
# Scan position '2'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.165659 -0.986183 0.000070 7.0798 m
0.986183 0.165659 -0.000403 -7.5650 m
0.000386 0.000136 1.000000 0.0527 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.4 mm

## Deviation histogram



## Scan '2'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

```
Scan on name: 1011308000031 - name: 14012 - sample: 2 - path: C:\Users\Francois\Documents\Z+F\Scan\5016\5016-0100\1011308000031 - scan on: 2024-04-16 11:17:41 - format: 1024x1024  
Sensor  
sensors: 3100 *barometric transition rotation gps  
Barometer: 0.995317 bar * 50.37 m  
nav translation: 1.7791 m 11.9193 m 150.0457 m accuracies: 11.1774 m 11.1774 m 0.0000 m  
nav rotation: 0.0000 0.0000 284.1172 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS lat:44.30435 long:24.360384 satellites:5 height:184.3m hhdop:2.3 vhdop:2.5m hacc:7.6m vacc:8.1 flags:G3 stand alone 3D solution  
north:1923071.224 m east:289905.523 m zone:35T  
Initial pre position (3o.,tooor):  
0.254 -0.987 0.000 -0.779  
0.987 0.254 0.000 11.319  
0.000 0.000 1.000 0.824  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '20'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

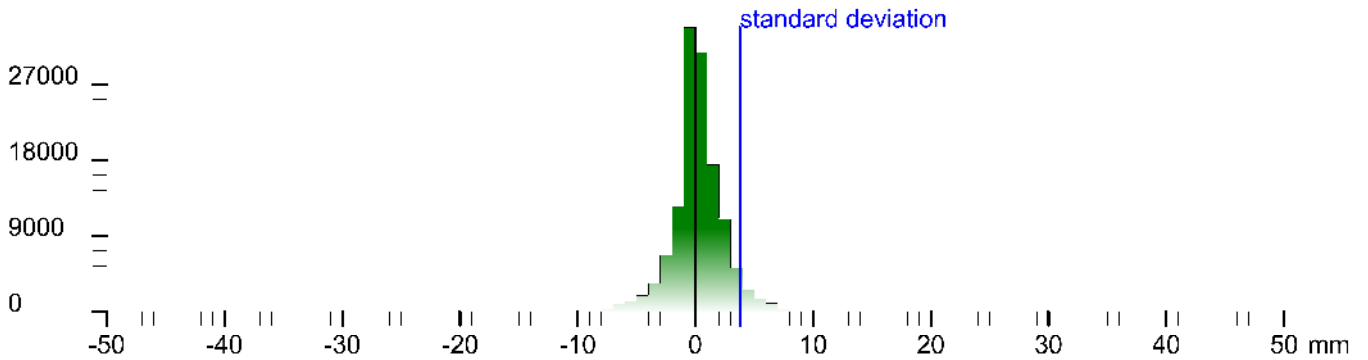
Registration matrix:

0.564568	-0.825387	0.000061	2.1147 m
0.825386	0.564568	-0.000877	-20.0503 m
0.000690	0.000545	1.000000	-0.3587 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 3.8 mm

## Deviation histogram

Points



## Scan '20'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

Scan comment: null  
Sensor  
sensors: 3100 \*barome or transition rotation gps  
Barometer: 0.995220 bar \* 51.196 m  
nav translation: 19.3062 m \* 5.0682 m 150.7308 m accuracies: 15.2266 m 15.2266 m 0.0001 m  
nav rotation: 0.0000 0.0000 513.733 / accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS lat: 44.430344 long: 24.360304 satellites: 6 height: 179.1m hhdop: 0.8 vhdop: 2.0m hacc: 5.0m vacc: 11.0 ftsgs: G3 \*stand alone 3D solution\*  
north: 1923061.260 m east: 289898.818 m zone: 35T  
Initial pre position (3.o. t.coord):  
0.691 -0.773 0.000 -9.956  
0.723 0.891 0.000 13.330  
0.000 0.000 1.000 1.124  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '21'

Scan position is member of group(s):

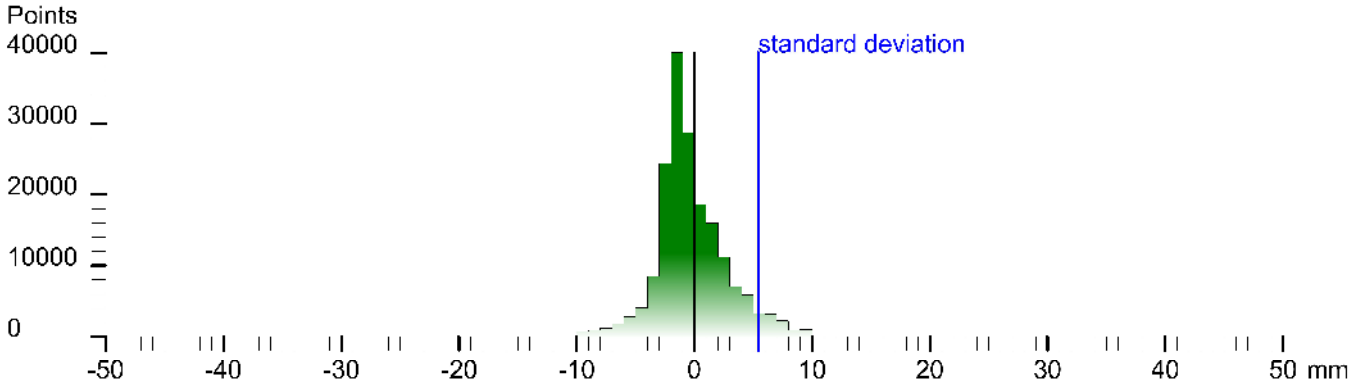
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

```
0.264488 -0.964390 0.000239 21.6994 m
0.964389 0.264488 -0.000657 -22.9061 m
0.000571 0.000404 1.000000 2.1549 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:5.4 mm

## Deviation histogram



## Scan '21'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

## Metadata Value

comment	operator
---------	----------

```
Scan ID: 1481384031 - name: 148121 - sensor: Z+F Imager 5016 - position: 44.430036 - longitude: 20.4052 - altitude: 20.4052 - height: 5.2 - vdep: 10.0 - hacc: 11.4 - vacc: 8.4 - flags: G3 'stand alone 3D solution'
Sensor
sensors: 3100 *barome or transition rotation gps
Barometer: 0.994813 bar ~ 54.834 m
nav translation: 20.4052 m ~ 8.2378 m 153.8681 m accuracies: 16.3216 m 16.3216 m 0.0000 m
nav rotation: 0.0000 0.0000 293.7356 accuracies: 0.0000 0.0000 16.0000
upside-down: no
GPS lat: 44.430036 long: 20.4052 satellites: 4 height: 180.3m hldoc: 5.2 vdep: 10.0m hacc: 11.4m vacc: 8.4 flags: G3 'stand alone 3D solution'
Initial pre position (3..tooor):
0.403 -0.915 0.000 0.448
0.915 0.403 0.000 5.092
0.000 0.000 1.000 4.265
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



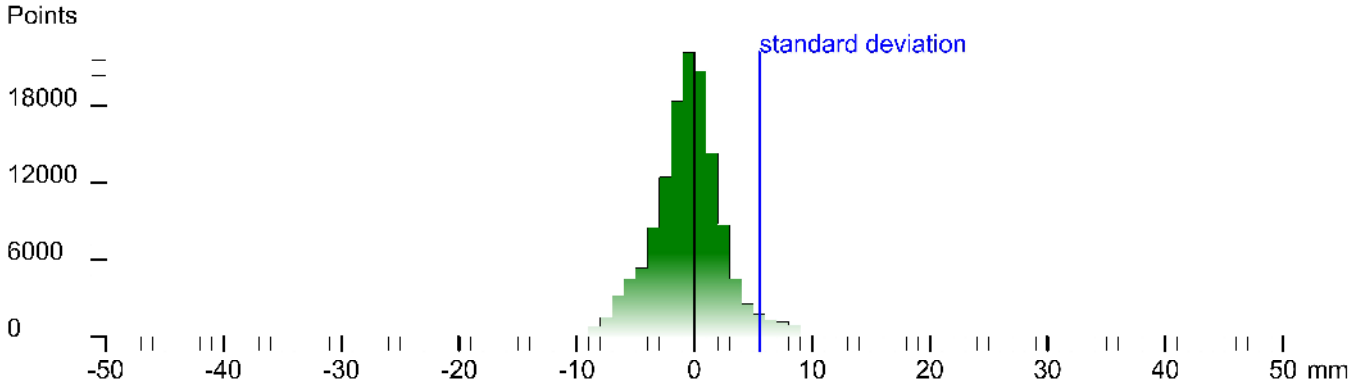
# Scan position '22'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.889282 -0.457359 0.000100 26.1025 m
0.457359 -0.889282 -0.001128 -23.4612 m
0.000604 -0.000958 0.999999 2.9957 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:5.5 mm

## Deviation histogram



## Scan '22'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '148' name: '148' scan: '22' type: 'Cloud to Cloud' status: 'Registered' registration: 'Cloud to Cloud' registration: 'Cloud to Cloud' registration: 'Cloud to Cloud'
Sensor
sensors: 3100 * barometric transition rotation gps
Barometer: 0.994720 bar * 55.414 m
nav translation: -3.8955 m -1.2972 m 154.9990 m accuracies: 7.1351 m 7.1351 m 0.0000 m
nav rotation: 0.0000 0.0000 211.3012 accuracies: 0.0000 0.0000 1s,0.0000
upside-down: no
GPS lat:44.430905 long:24.360483 satellites:5 height:188.5m hdop:5.8 vdcop:5.3m hacc: 8.0m vacc:8.5 flags:G3 's are able 3D solution'
north:1923056.562 m east:2899.2953 m zone:35T
Initial pre position (3-coor):
-0.85 -0.570 0.000 6.614
0.520 -0.854 0.000 3.795
0.000 0.000 1.000 5.353
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '23'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

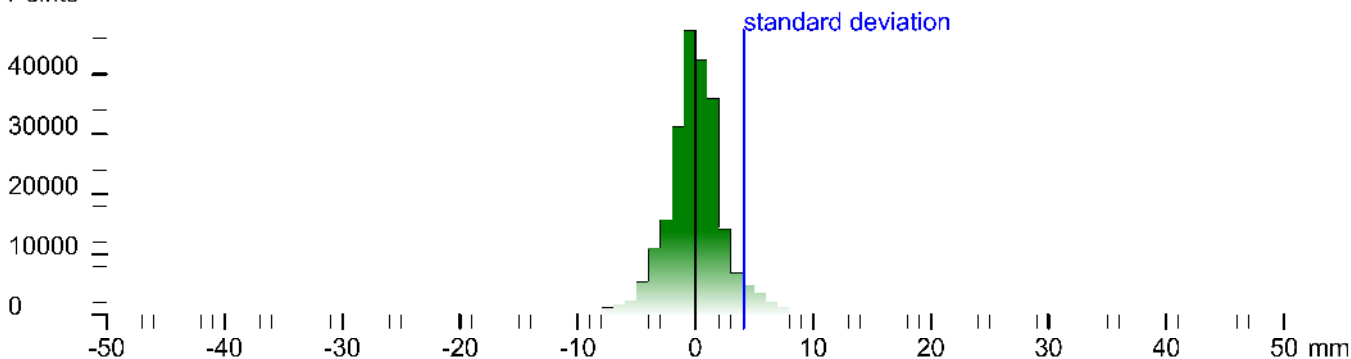
Registration matrix:

```
-0.999685 -0.025105 0.000773 33.8154 m
0.025104 -0.999684 -0.001354 -8.0072 m
0.000806 -0.001334 0.999999 2.5793 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.1 mm

## Deviation histogram

Points



## Scan '23'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '148' name: '148' group: '23' type: 'Cloud to Cloud' status: 'Registered' registration: 'Cloud to Cloud' registration: 'Cloud to Cloud' registration: 'Cloud to Cloud'
Sensor
sensors: 3100 * barometric transition rotation gps
Barometer: 0.994719 bar * 55.429 m
nav translation: 0.0000 m 0.0000 m 155.2118 m accuracies: 5.2348 m 5.2348 m 0.0000 m
nav rotation: 0.0000 0.0000 * / 9.3953 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS: lat: 44.30405 long: 24.36072 satellites: 6 height: 175.4m hdop: 1.9 vldcp: 2.1m hacc: 7.1m vacc: 8.8 flags: G3 'stand alone 3D solution'
Initial pre position (3-coo. tocoor):
-1.000 0.011 0.000 23.533
-0.011 -1.000 0.000 18.032
0.000 0.000 1.000 5.568
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



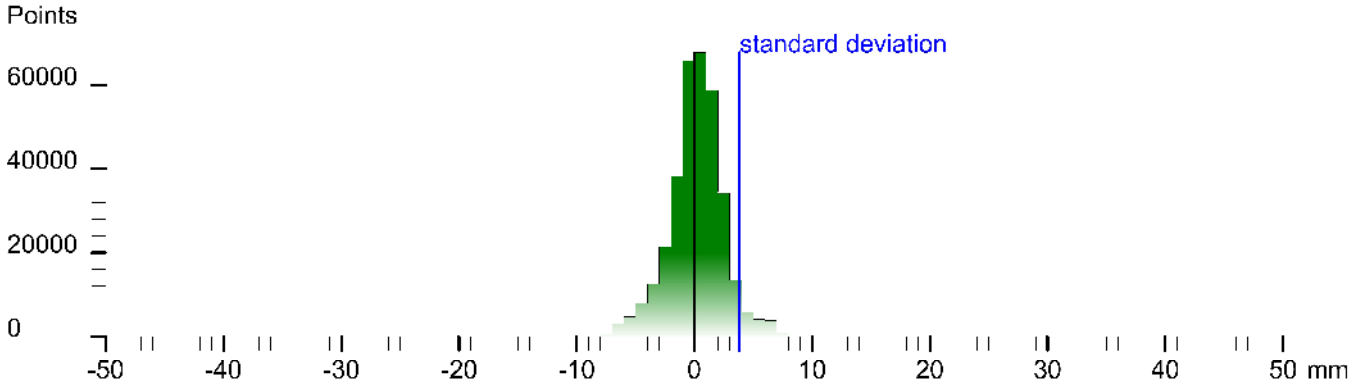
# Scan position '24'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.382487 -0.923961 0.000530 41.1925 m
0.923960 -0.382488 -0.000995 -16.2617 m
0.001122 0.000109 1.000000 3.1062 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.8 mm

## Deviation histogram



## Scan '24'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan on name: cal_1988000_303 * name: 148:24 * name: 24 * type: 'Z+F Imager' serial: '5016-0100' firmware: '9.0.3.6562-0' scanner: 'Z+F Imager 5016' resolution: 'High' quality: 'Normal'
Sensor
sensors: 3100 * barome or transition rotation gps
Barometer: 0.994597 bar * 58.457 m
nav translation: 1.0187 m -1.89/3 m 155.8047 m accuracies: 7.6064 m 7.9064 m 0.0000 m
nav rotation: 0.0000 0.0000 259.346s accuracies: 0.0000 0.0000 1s,0.0000
upside-down: no
GPS lat:44.43037 long:24.360790 satellites:7 height:185.9m hdop:.2 vdcop:1.6m hacc:6.7-m vacc:0.2 flags:G3 'stand alone 3D solution'
north:1923000/34 m east:289937.515 m zone:35T
Initial pre position (3-coor):
-0.510 -0.860 0.000 78.738
0.880 -0.510 0.000 -2.415
0.000 0.000 1.000 6.191
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



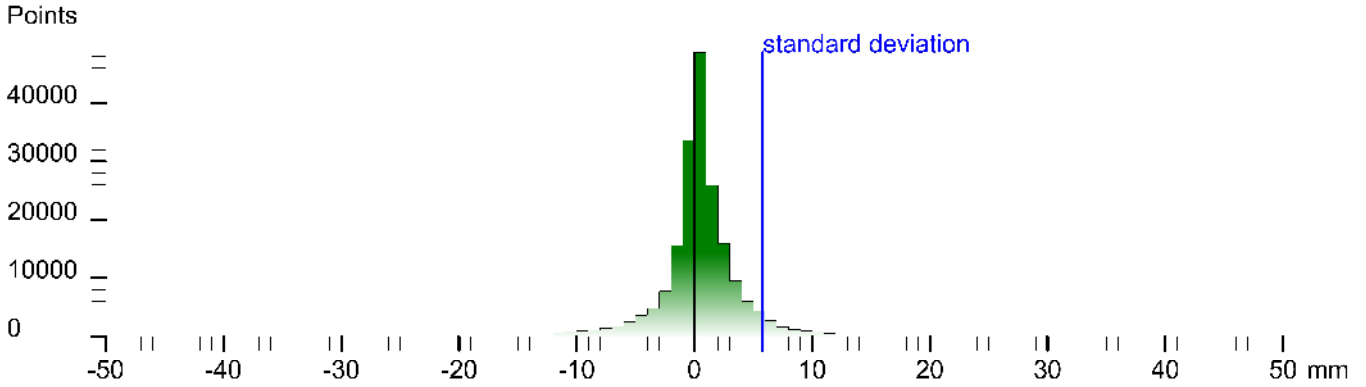
# Scan position '25'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.937313  0.348488  -0.000207  25.6518 m  
-0.348488  -0.937313  -0.000738  26.7867 m  
-0.000451  -0.000620  1.000000  4.8927 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:5.8 mm

## Deviation histogram



## Scan '25'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '148' - name: '148-25' - status: '25' - type: 'Cloud to Cloud' - registration: 'cloud to cloud' - registration matrix: '[[[-0.937313, 0.348488, -0.000207, 25.6518], [-0.348488, -0.937313, -0.000738, 26.7867], [-0.000451, -0.00062, 1.0, 4.8927], [0, 0, 0, 1]]]' - resolution: 'High' - quality: 'Normal'
```

Sensors: 3100 \* barometric transition rotation gps  
Barometer: 0.994381 bar \* 58.285 m  
nav translation: 21.2760 m 51.8381 m 157.9197 m accuracies: 33.5630 m 33.5630 m 0.0000 m  
nav rotation: 0.0000 0.0000 \* /6.4371 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS: lat:44.430725 long:24.360556 satellites:5 height:191.4m hhdop:2.8 vhdop:2.0m hacc:1.0m vacc:7.5 tags:G3 'stand alone 3D solution'  
north:1923102.886 m east:289523.226 m zone:35T  
Initial pre position (3-coo. to coord):  
-0.998 0 0E? 0.000 50.014  
-0.082 -0.085 0.000 64.253  
0.000 0.000 1.000 8.306  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '26'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

Registration matrix:

```

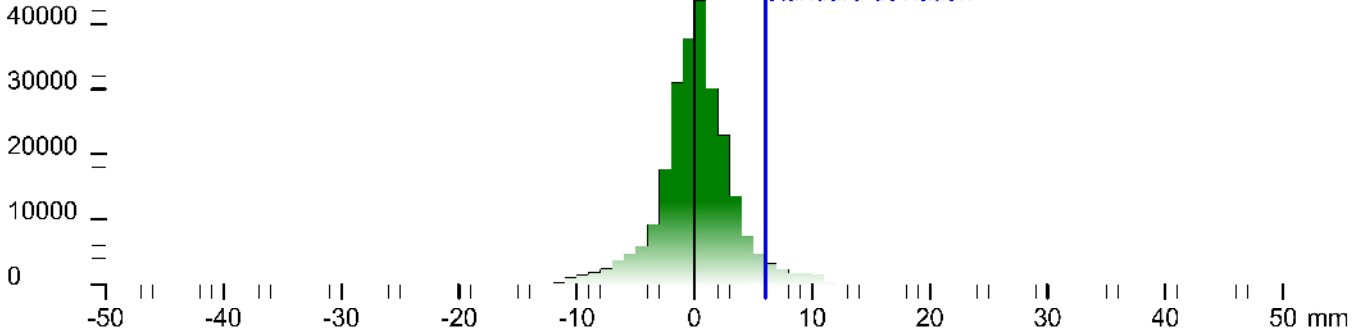
-0.999956 -0.009425 0.000570 21.0499 m
0.009425 -0.999956 -0.000537 28.8684 m
0.000575 -0.000532 1.000000 4.8533 m
0.000000 0.000000 0.000000 1.0000

```

Result registration cloud to cloud standard deviation: 6.0 mm

## Deviation histogram

Points



## Scan '26'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```

Scan ID: 102h - full 1308x1024 - 148:22° - scan: 26 - path: 'C:\ProgramData\Z+F\Scan Data\102h\102h_26\102h_26_0100_0100_0100_0100'
Sensor
sensors: 3100 * barome or transition rotation gps
Barometer: 0.994380 bar / 58.203 m
nav translation: -5.6256 m 4.3690 m 158.3391 m accuracies: 8.1176 m 8.1176 m 0.0000 m
nav rotation: 0.0000 0.0000 -89.7720 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat: 44.430801 long: 24.360538 satellites: 5 height: 103.6m hdop: 5.9 vdcpr: 6.6m hacc: 5.0m vacc: 17.0 tags: G3 *stand alone 3D solution
initial pre position (3-coo. tocoor)
-0.985 -0.170 0.000 43.388
0. 70 -0.985 0.000 66.617
0.000 0.000 1.000 8.726
0.000 0.000 0.000 1.000

```

Level system info: dynamic compensator available.



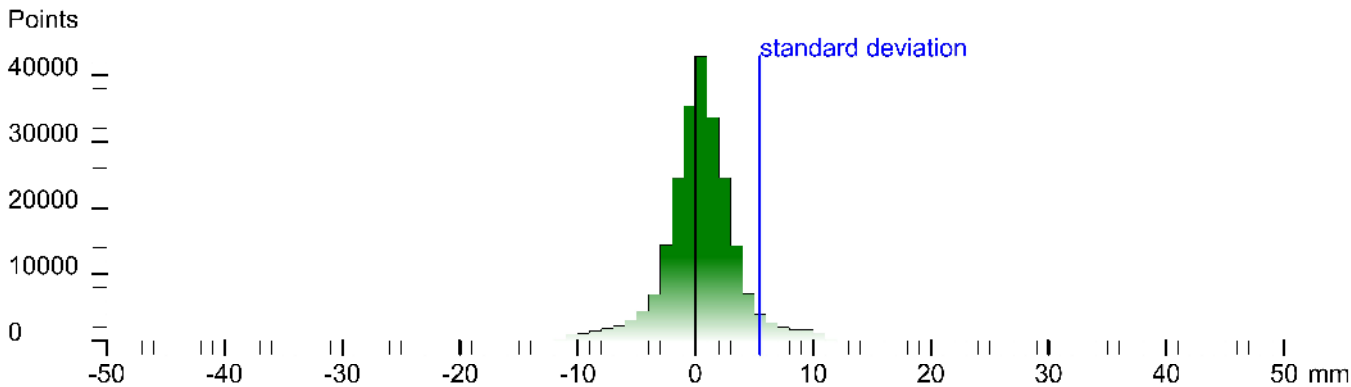
# Scan position '27'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.683859 -0.729614 -0.000093 20.2983 m
0.729614 -0.683859 -0.000539 32.0935 m
0.000330 -0.000436 1.000000 4.8468 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:5.5 mm

## Deviation histogram



## Scan '27'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: '14: 1923130'
Sensor
sensors: 3100 *barometric transition rotation gps
Barometer: 0.994356 bar * 58.489 m
nav translation: -1.15038 m 1.5911 m 158.0179 m accuracies: 0.1895 m 0.1895 m 0.0000 m
nav rotation: 0.0000 0.0000 231.8942 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:44.30089 lon:24.360537 satellites:5 height:213.9m hdop:9.6 vdcpr:11.1m hacc:10.0m vacc: 12.0 flags:G3 'stand alone 3D solution'
north:1923130.154 m east:289919.583 m zone:35T
Initial pre position (3-coo. tocoor)
-0.617 -0.787 0.000 41.937
0.787 -0.817 0.000 70.205
0.000 0.000 1.000 8.405
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '28'

Scan position is member of group(s):

Status registration '[122h] preregistered with cloud to cloud'

Registration matrix:

-0.576532	0.817074	0.001250	8.1573 m
-0.817075	-0.576532	-0.000574	40.3120 m
0.000252	-0.001352	0.999999	2.0962 m
0.000000	0.000000	0.000000	1.0000

## Scan '28'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

Scan comment: null  
Sensor

sensors: 3100 \* barometric translation: rotation: gps  
Barometer: 0.994886 bar \* 59.708 m  
nav translation: -21.9205 m 2.6129 m 155.680 m accuracies: 16.2350 m 16.2350 m 0.0000 m  
nav rotation: 0.00000 0.00000 \* 7.72e52 accuracies: 0.00000 0.00000 15.00000  
upside-down: no  
GPS lat:44.430855 long:24.360470 satellites:8 height:184.0m hdop:1.0 vdcpr:1.5m hacc:6.6m vacc:7.0 flags:G3 stand alone 3D solution  
north:4925117.614 m east:289913.859 m zone:36T  
Initial pre position (300..toor)  
-0.605 0.796 0.000 5.088  
-0.796 -0.605 0.000 69.865  
0.000 0.000 1.000 5.565  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '29'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

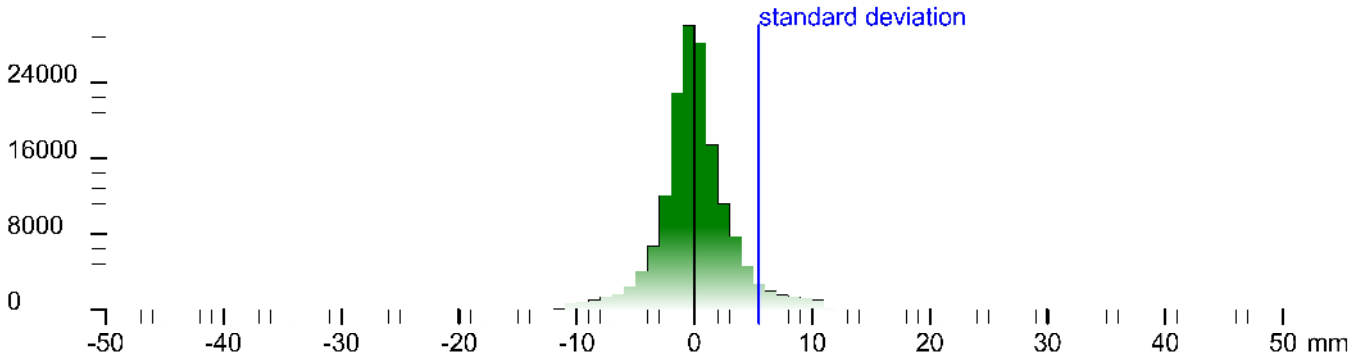
Registration matrix:

```
-0.098474  0.995139  0.001183  -7.4245 m  
-0.995140  -0.098474  -0.000393  36.4328 m  
-0.000275  -0.001216  0.999999  1.1914 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:5.5 mm

## Deviation histogram

Points



## Scan '29'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan ID: 1488440311 - name: 148-29 - status: 2019-08-29 10:00:00 - sensor: Z+F IMAGER 5016 - temperature: 20.0 - resolution: 0.1 - quality: 100 - scan ID: 1488440311  
Sensor  
sensors: 3100 * barometer transition rotation gps  
Barometer: 0.994814 bar * 54.825 m  
nav translation: -3.75/3 m -3.977 m 154.3839 m accuracies: 10./005 m 10.4003 m 0.0000 m  
nav rotation: 0.0000 0.0000 99.6394 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS: lat:44.-30836 long:24 360249 satellites:9 height:179.6m hddos:0 vddcp:1.5m hacc:4.9m vacc:6.5 flags:G3 stand alone 3D solution  
north:1923115.063 m east:289596.180 m zone:35T  
Initial pre position (3-coo. tocoo):  
-0.167 0.986 0.000 -12.57C  
-0.968 -0.167 0.000 66.122  
0.000 0.000 1.000 4.771  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





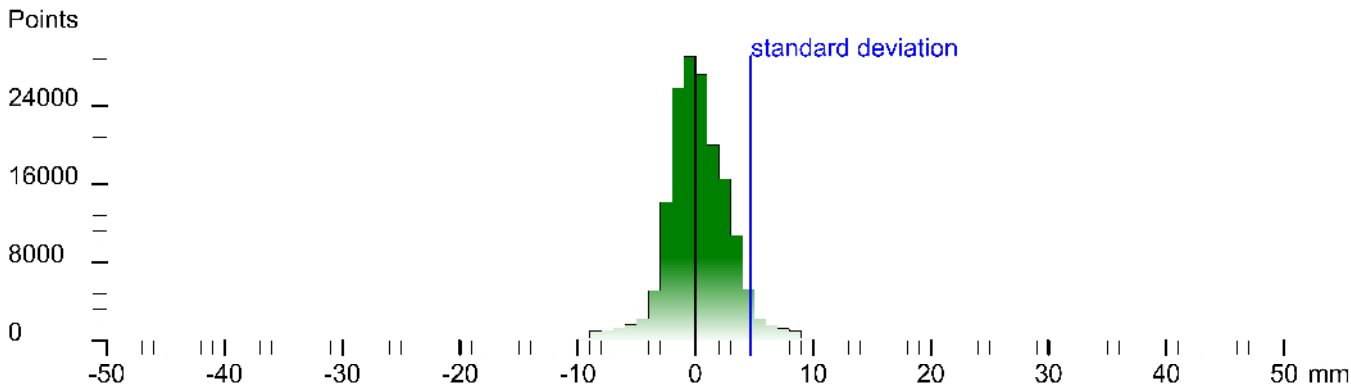
# Scan position '30'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
0.231006  0.972952  0.001261 -22.6051 m
-0.972952 0.231006 -0.000426 25.9715 m
-0.000706 -0.001128 0.999999  1.3442 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:4.7 mm

## Deviation histogram



## Scan '30'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: null
Sensor
sensors: 3100 *barometric transition rotation gps
Barometer: 0.994796 bar * 54.777 m
nav translation: -10.3771 m -8.9432 m 154.630 m accuracies: 11.3584 m 11.3594 m 0.0000 m
nav rotation: 0.0000 0.0000 /8.6247 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat:44.430756 long:24.360046 satellites:7 height:179.5m hddc:2.0 vddc:2.4m hacc:8.2m vacc:0.5 flags:G3 stand alone 3D solution
north:1923107.685 m east:289879.801 m zcra:35T
Initial pre position (3o. tcoord)
0.97 0.980 0.000 -22.947
-0.980 0.197 0.000 81.178
0.000 0.000 1.000 4.563
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '31'

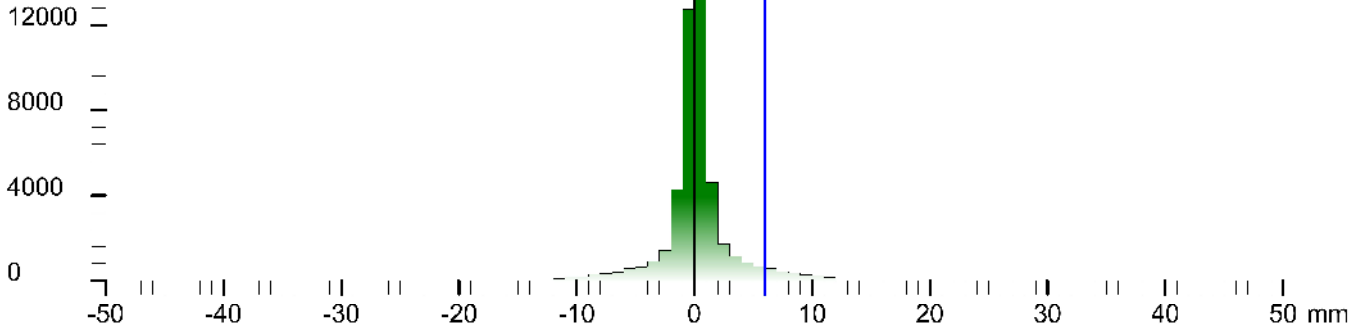
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
0.997375  0.072412  0.000352 -34.3161 m
-0.072411 0.997375 -0.000210 -10.6202 m
-0.000366 0.000184  1.000000  -2.2571 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:6.0 mm

## Deviation histogram

Points



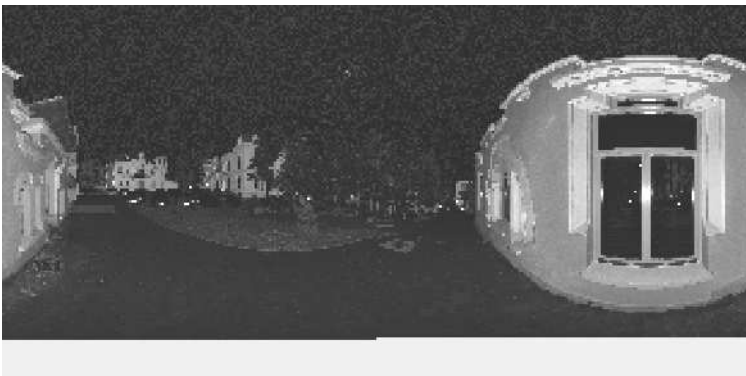
## Scan '31'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
<b>comment</b>	
<b>operator</b>	

```
Scan position: full 1.508m x 3.33 m x 1.48; 51' scan no: 31' type: 'Cloud to Cloud' status: 'Registered' position: '40.1' temperature: '18.0' scale: '20' units: 'mm' scan duration: '1m 50.000s' resolution: '0.500000' scan to disk: 'for 120.000' for 120.000' 1940'
Sensor
sensors: 3100 * barometer translation rotation gps
Barometer: 0.995211 bar 151.269 m
nav translation: -5.2986 m -25.8997 m 150.9594 m accuracies: 19.0565 m * 9.0565 m 0.0000 m
nav rotation: 0.0000 0.0000 * 3.5710 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat: 44.430447 long: 24.359802 satellites: 7 height: 178.3m hdop: 1.6 vdcop: 2.0m hacc: 7.4m vacc: 0.5 flags: G3 'stand alone 3D solution'
north: 1923073.759 m east: 289866.396 m zone: 35T
Initial pre position (3-coo. to coord):
0.977 0.735 0.000 -42.378
-0.235 0.972 0.000 25.830
0.000 0.000 1.000 1.346
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '32'

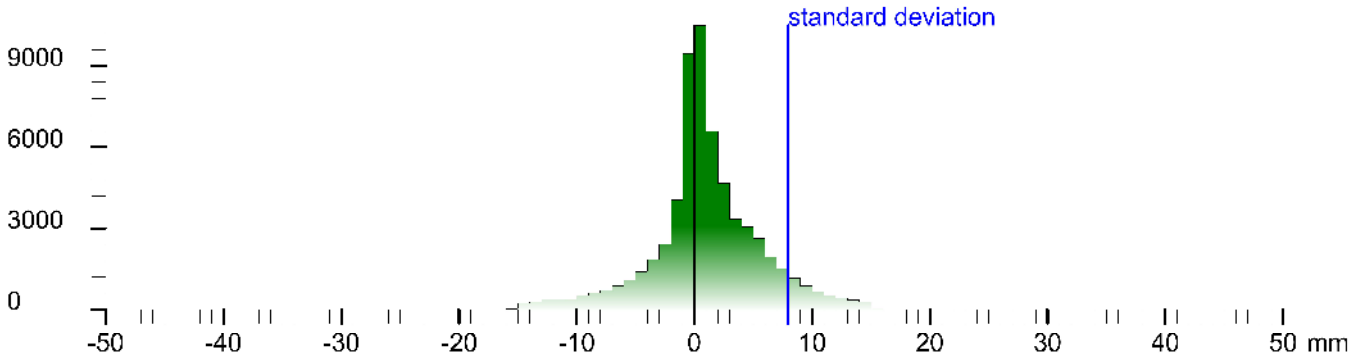
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.877419 -0.479725 -0.000099 -24.4475 m  
0.479725 0.877419 0.000291 -29.0728 m  
-0.000053 -0.000303 1.000000 -2.3386 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:8.0 mm

## Deviation histogram

Points



## Scan '32'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: full 1.908sec 303° elevation 1.4h:52 minutes 32° pitch 'Z+F Imager 5016' serial: '5016-0100' firmware: '9.0.3.6562-0' scan resolution: 'High' quality: 'Normal' sensor: 'Z+F IMAGER 5016' for '120' dist '50'  
Sensor  
sensors: 3100 * barometric transition rotation gps  
Barometer: 0.995212 bar * 51.26° m  
nav translation: -3.1737 m -5.2817 m 15° 1.1425 m accuracies: 10 / 223 m 0.0000 m  
nav rotation: 0.0000 0.0000 334.8360 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
GPS lat: 44.302556 long: 24.359950 satellites: 8 height: 178.6m hhdop: 1.0 vhdop: 1.8m hacc: 4.9m vacc: 7.0 flags: G3 'stand alone 3D solution'  
north: 1923352 / 01 m east: 289871.026 m zone: 35T  
Initial pre position (3-coo. tocoo):  
0.905 -0.475 0.000 -37.731  
0.425 0.905 0.000 4.441  
0.000 0.000 1.000 1.529  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



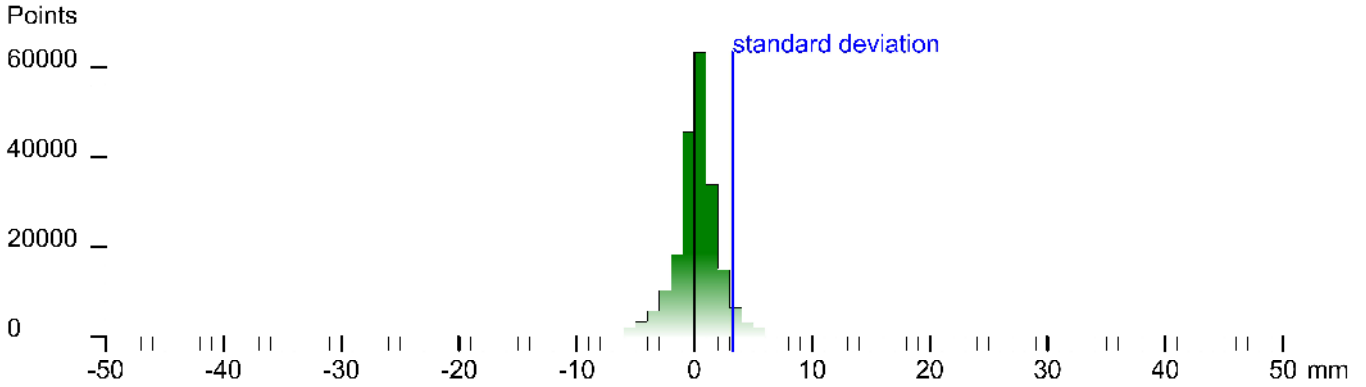
# Scan position '33'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.415481  0.909602  0.000930  2.8474 m
-0.909602 -0.415480 -0.001100  2.6054 m
-0.000614 -0.001302  0.999999  0.6094 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:3.2 mm

## Deviation histogram



## Scan '33'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: null
Sensor
sensors: 3100 *barometer, transition, rotation, gps
Barometer: 0.994789 bar / 54.832 m
nav translation: -20.9321 m 32.7486 m 153.8832 m accuracies: 24.5128 m 24.5128 m 0.0000 m
nav rotation: 0.0000 0.0000 *1. / / / sds accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:44.30435 long:24.360128 satellites:4 height:177.8m hhdop:5.1 vhdop:2.0m hacc:14.2m vacc:15.0 flags:GS 'stand alone 3D solution'
north:1923071.880 m east:289885.180 m zone:35T
Initial pre position (3-coo. tooor):
-0.361 0.933 0.000 -58.864
-0.933 -0.361 0.000 36.890
0.000 0.000 1.000 4.273
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '34'

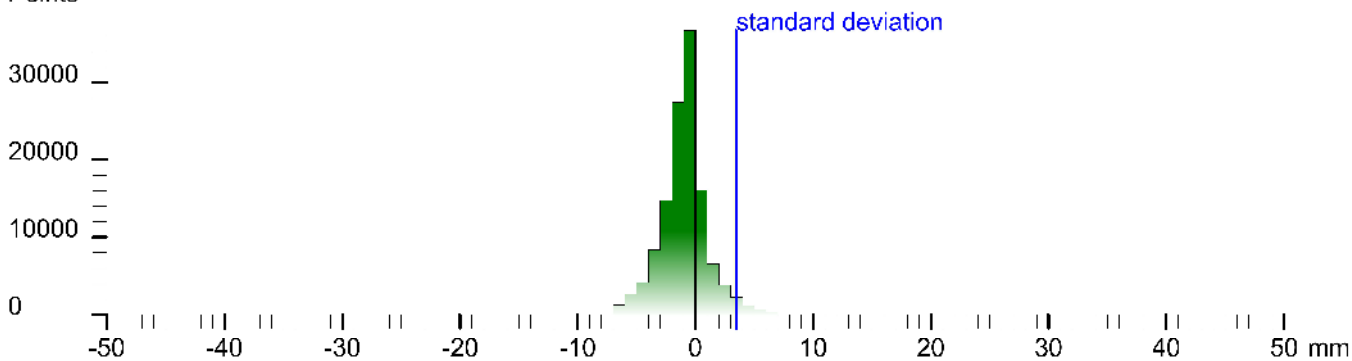
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.973258 -0.229718 0.000635 6.9087 m  
0.229718 0.973258 0.000171 7.0518 m  
-0.000657 -0.000020 1.000000 0.5989 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.5 mm

## Deviation histogram

Points



## Scan '34'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan ID: 102h - File: 102h - Name: 102h - Date: 2023-08-08 14:00:00  
Sensor  
sensors: 3096 *barometric*  
Barometer: 0.994806 bar / 55.818 m  
nav translation: 3.3203 m 2.7591 m 15 / .7651 m accuracies: 7.2696 m 7.2696 m 0.0000 m  
nav rotation: 0.0000 0.0000 348.2365 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pos position: (0/door)  
0.979 -0.204 0.000 -55.314  
0.204 0.979 0.000 39.619  
0.000 0.000 1.000 5.152  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '35'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

Registration matrix:

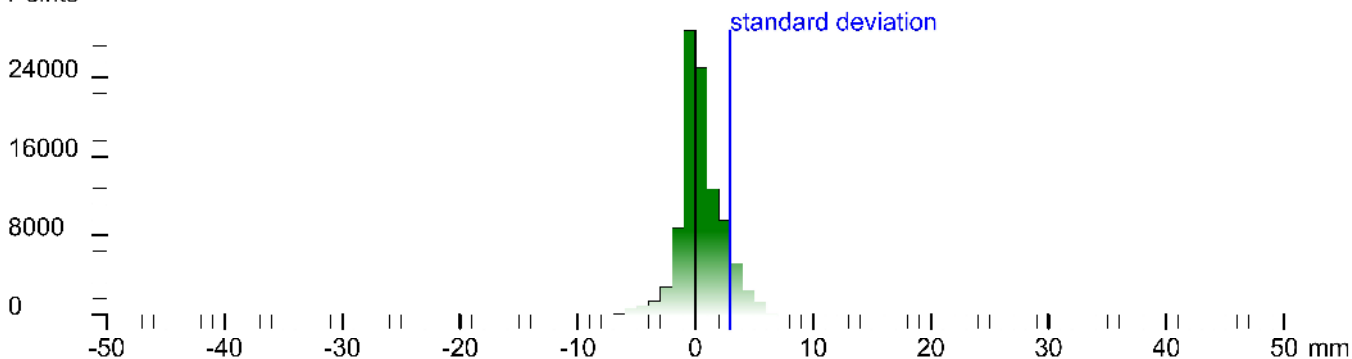
```

0.979356  0.202141  0.001186  10.6082 m
-0.202142 0.979357  0.000414  13.0622 m
-0.001078 -0.000646 0.999999  0.6002 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 2.9 mm

## Deviation histogram

Points



## Scan '35'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Scan position: '35' - name: '148:35' - status: '35' - type: 'Cloud to Cloud' - registration: 'cloud to cloud' - resolution: 'High' - quality: 'Normal'
Sensor
sensors: 3096 *barometric (rotation)
Barometer: 0.9946-0 bar *58.03 m
nav translation: 3.2085 m 2.2596 m 155.7483 m accuracies: 7.0931 m 7.0931 m 0.0000 m
nav rotation: 0.0000 0.0000 26.8417 accuracies: 0.0000 0.0000 0.0000
upside-down: no
Initial pre position: (Girdoor)
0.692 0.452 0.000 -52.137
-0.462 0.892 0.000 41.918
0.000 0.000 1.000 6.135
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.





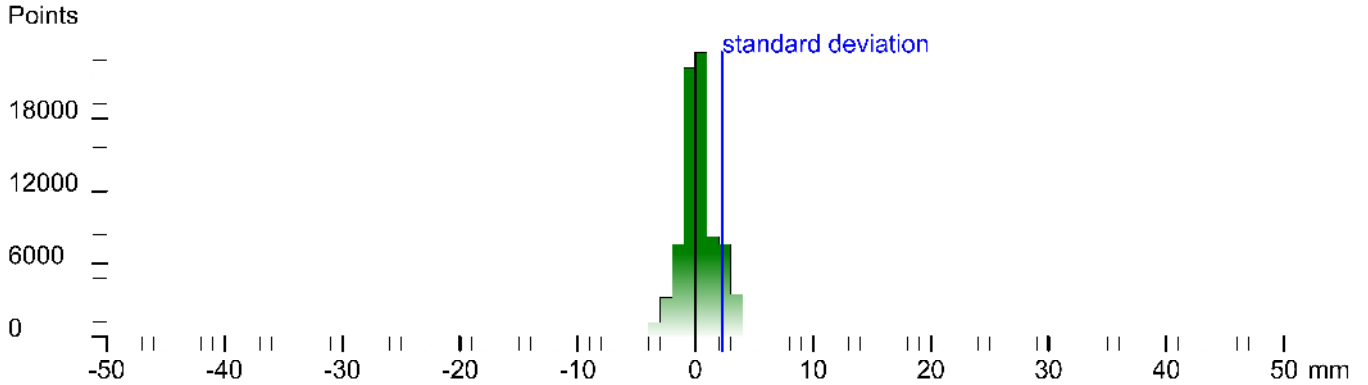
# Scan position '36'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

-0.996498 0.083619 0.000008 3.0579 m  
-0.083619 -0.996498 -0.000872 6.0458 m  
-0.000065 -0.000870 1.000000 0.5990 m  
0.000000 0.000000 0.000000 1.0000

Result registration cloud to cloud standard deviation: 2.3 mm

### Deviation histogram



### Scan '36'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan id: scan\_041\_19082019\_0331\_filename\_140\_19082019\_0331\_posh\_036 Status: 102h; Date: 19/08/2019; Time: 15:00:00; Location: ...

Sensor:  
sensors: 3096 \*barometer transition rotation\*  
Barometer: 0.994587 bar \* 58.537 m  
nav translation: -5.8655 m -1.9825 m 155.0038 m accuracies: 8.2019 m 8.2019 m 0.0000 m  
nav rotation: 0.0000 0.0000 \* 67.2324 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0 indoors)  
-0.975 0.221 0.000 -57.990  
-0.221 -0.975 0.000 39.936  
0.000 0.000 1.000 6.390  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '37'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

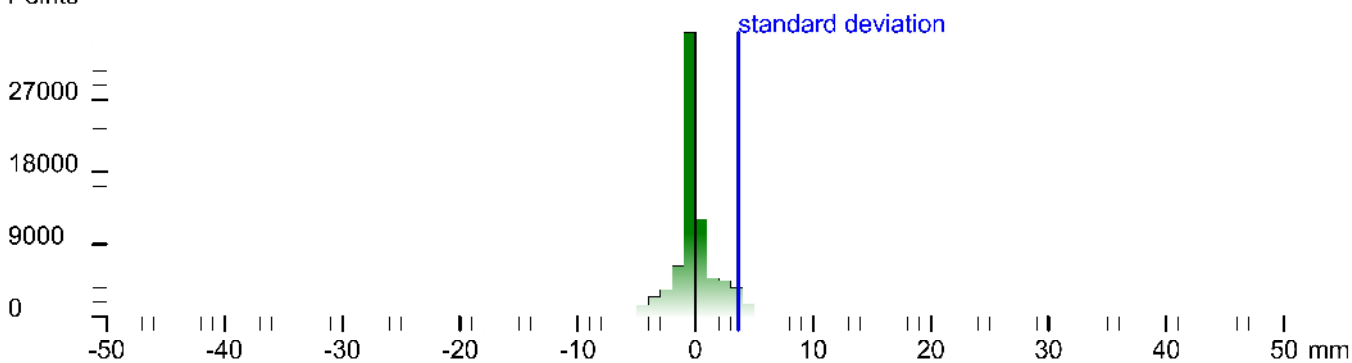
Registration matrix:

```
-0.440093 -0.897953 -0.000039 1.8282 m  
0.897953 -0.440092 -0.000956 7.4373 m  
0.000841 -0.000456 1.000000 0.6012 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.6 mm

## Deviation histogram

Points



## Scan '37'

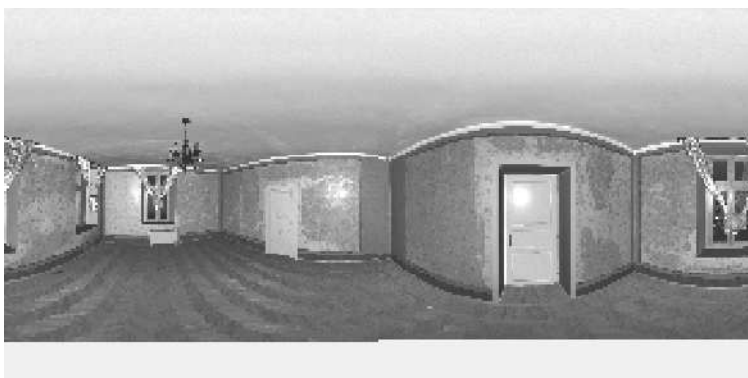
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '37' in group: '148:57' scan: '37' type: 'Cloud to Cloud' status: 'Registered' registration: 'cloud to cloud' standard deviation: '3.6' mm  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.994475 bar / 57.488 m  
nav translation: -3.7050 m -0.9002 m 156.7327 m accuracies: 5.0828 m 5.0828 m 0.0001 m  
nav rotation: 0.0000 0.0000 245.3262 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial position (Girdoor)  
-3.117 -0.909 0.000 -58.086  
0.909 -0.417 0.000 39.036  
0.000 0.000 1.000 7.119  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



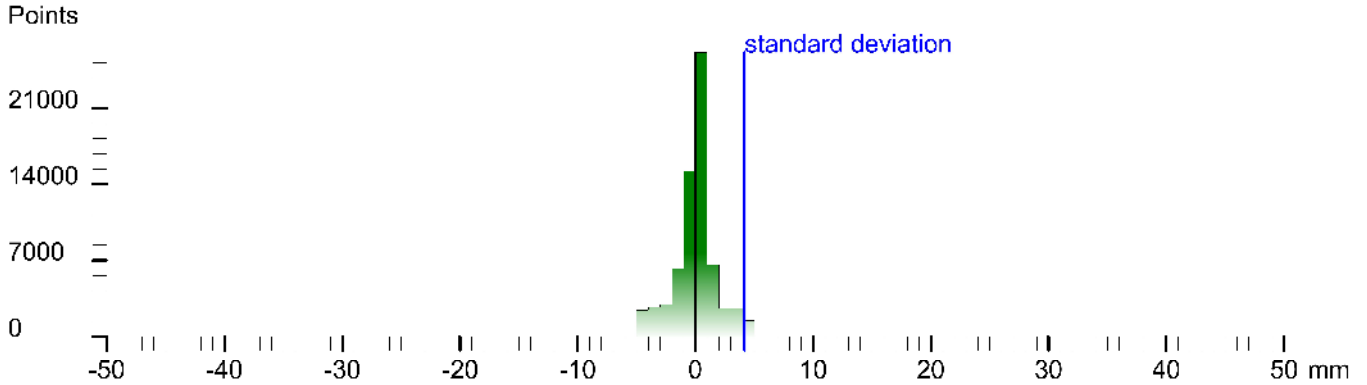
# Scan position '38'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.712848 -0.701319 0.000070 0.7623 m  
0.701319 -0.712848 -0.000430 10.8915 m  
0.000352 -0.000257 1.000000 0.6028 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 4.2 mm

## Deviation histogram



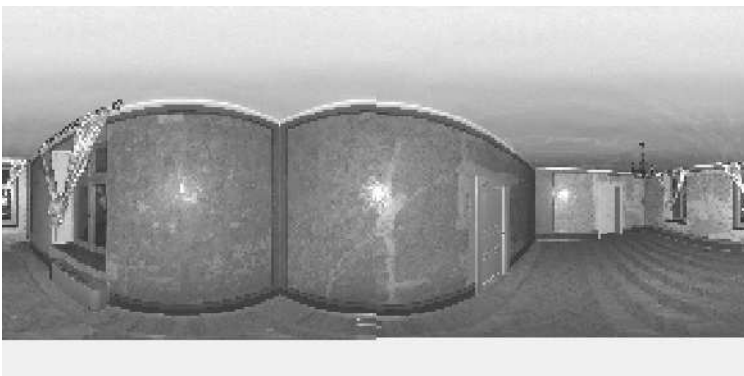
## Scan '38'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan ID: 102h; File: 102h; Date: 2023-10-27 10:27:15; Location: ...  
Sensor  
sensors: 3096 (barometric rotation)  
Barometer: 0.994408 bar / 58.05 m  
nav translation: -1.4038 m 1.457 m 157.3931 m accuracies: 0.1110 m 0.1110 m 0.0000 m  
nav rotation: 0.0000 0.0000 211.881 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial position (0/door)  
-3.848 -0.528 0.000 -60.158  
0.629 -0.849 0.000 40.490  
0.000 0.000 1.000 7.760  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '39'

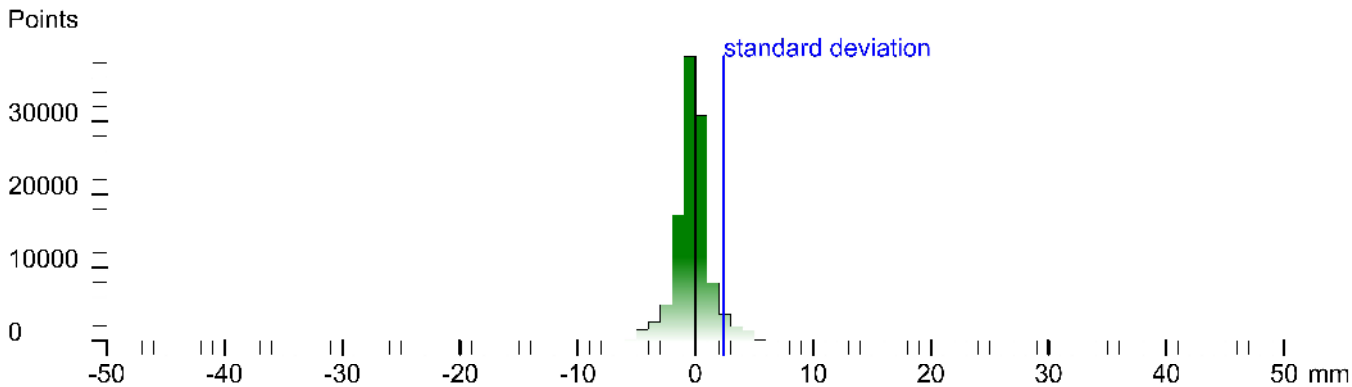
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.844769  0.535130  0.001236  10.6500 m
-0.535131 0.844770  0.000095  9.2218 m
-0.000994 -0.000741 0.999999  0.5988 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 2.4 mm

## Deviation histogram



## Scan '39'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Scan position: '39' - name: '14h:59:00:00' - type: 'Cloud to Cloud' - status: 'Registered' - registration: 'Cloud to Cloud' - standard deviation: '2.4 mm' - quality: 'Normal'
Sensor
sensors: 3096 *barometric rotation*
Barometer: 0.994319 bar *58.808 m
nav translation: 9.7412 m 0.6126 m 157.181 m accuracies: 10.0047 m 10.0047 m 0.0000 m
nav rotation: 0.0000 0.0000 4.11924 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position (Girdoor)
0.680 0.734 0.000 -53.417
-0.782 0.680 0.000 41.103
0.000 0.000 1.000 7.805
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.





# Scan position '40'

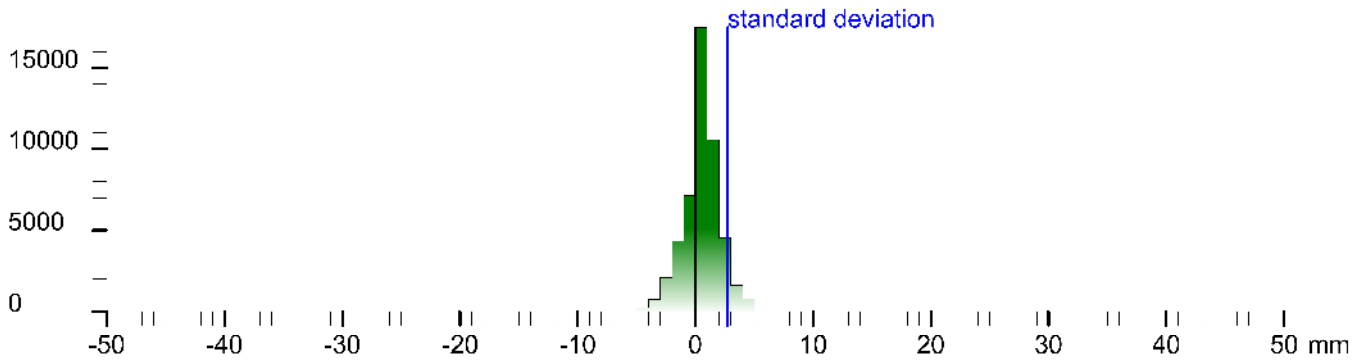
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

0.716962	-0.697113	-0.000102	8.9447 m
0.697113	0.716962	-0.000087	12.9610 m
0.000134	-0.000009	1.000000	0.5996 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 2.7 mm

## Deviation histogram

Points



## Scan '40'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan ID: 19080001-303 - name: 140-MP-scans-40-pth-Cies-Futurum-2018-08-20-16:00:00 - registration: cloud-to-cloud - resolution: 0.33774m x 0.33774m x 0.5996m - sensor: Z+F IMAGER 5016

Sensor:  
sensors: 3096 \*barome or transition rotation\*  
Barometer: 0.994250 bar / 59.387 m  
nav translation: 0.3774 m 2.5627 m 158.03° 7 m accuracies: 6.40°/6 m 6.40°/6 m 3.0000 m  
nav rotation: 0.0000 0.0000 331.3150 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.877 -0.480 0.000 -50.310  
0.480 0.877 0.000 43.669  
0.000 0.000 1.000 90° 8  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '41'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

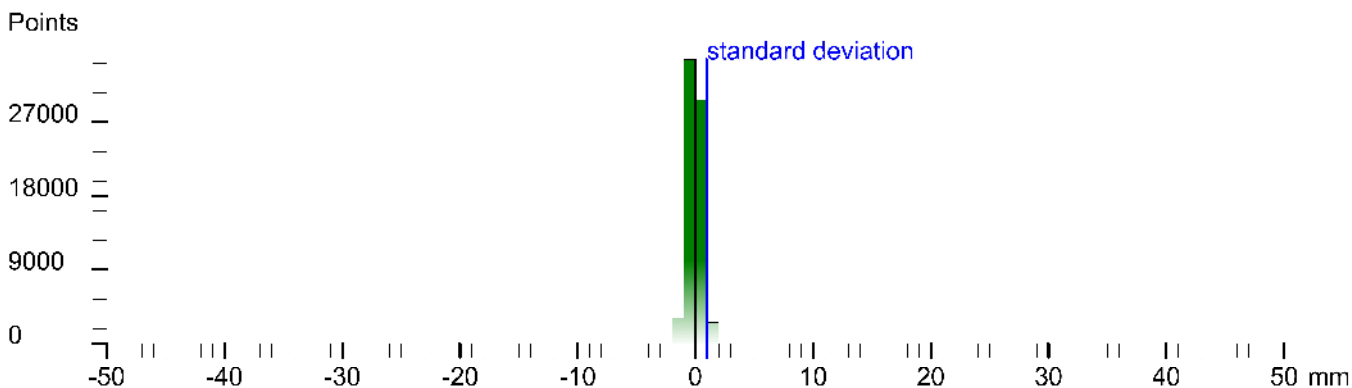
Registration matrix:

```

0.347553 -0.937661 -0.000230 8.1106 m
0.937661 0.347553 0.000169 15.3457 m
-0.000079 -0.000275 1.000000 0.6006 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



## Scan '41'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

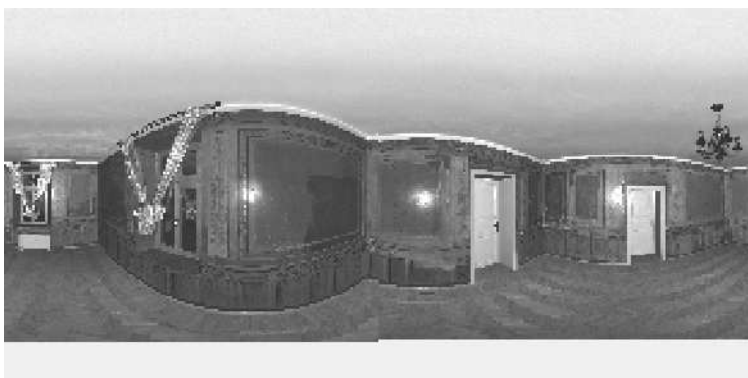
Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```

Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 0.994215 bar / 59.887 m
nav translation: 0.7690 m 1.0380 m 159.2633 m accuracies: 5.6384 m 5.6384 m 0.0001 m
nav rotation: 0.0000 0.0000 299.8108 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pos position: (Girdoor)
0.497 -0.868 0.000 -19.871
0.658 0.497 0.000 44.703
0.000 0.000 1.000 9.650
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.







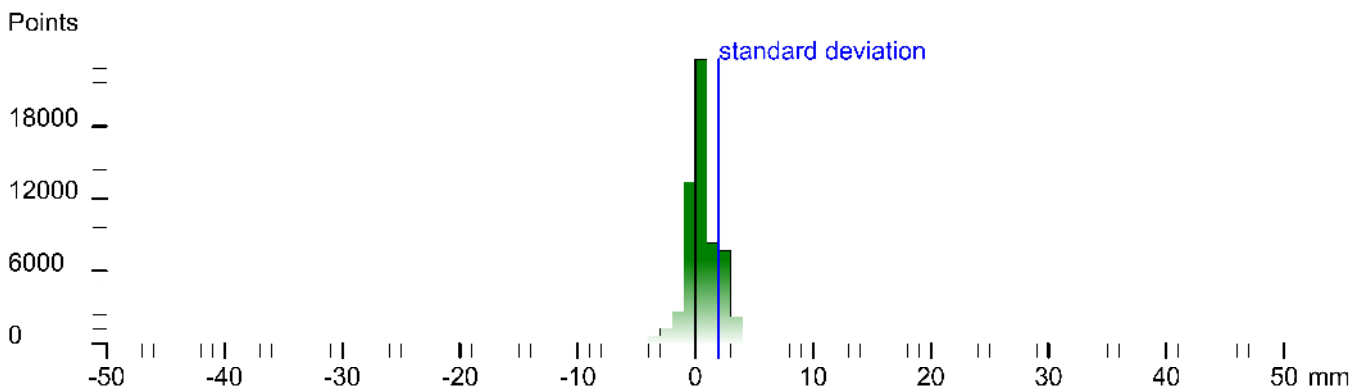
# Scan position '43'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
0.644968 -0.764211 0.000443 6.1075 m
0.764211 0.644967 -0.000399 9.7782 m
0.000020 0.000596 1.000000 0.5933 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.0 mm

## Deviation histogram



## Scan '43'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '43' - name: '148:43' - sensor: 'S100' - status: 'OK' - scan mode: 'Standard' - position: '43' - registration: 'cloud to cloud' - resolution: 'High' - quality: 'Normal' - scan resolution: 'High' - scan quality: 'Normal'
Sensor
sensors: 3096 *barometer transition rotation*
Barometer: 0.994032 bar / 81.234 m
nav translation: -1.3174 m 2.5178 m 100./021 m accuracies: 0.5530 m 0.5530 m 0.0000 m
nav rotation: 0.0000 0.0000 519.4674 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (0/door)
0.760 0.650 0.000 -51.038
0.650 0.760 0.000 49.219
0.000 0.000 1.000 10.788
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '44'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

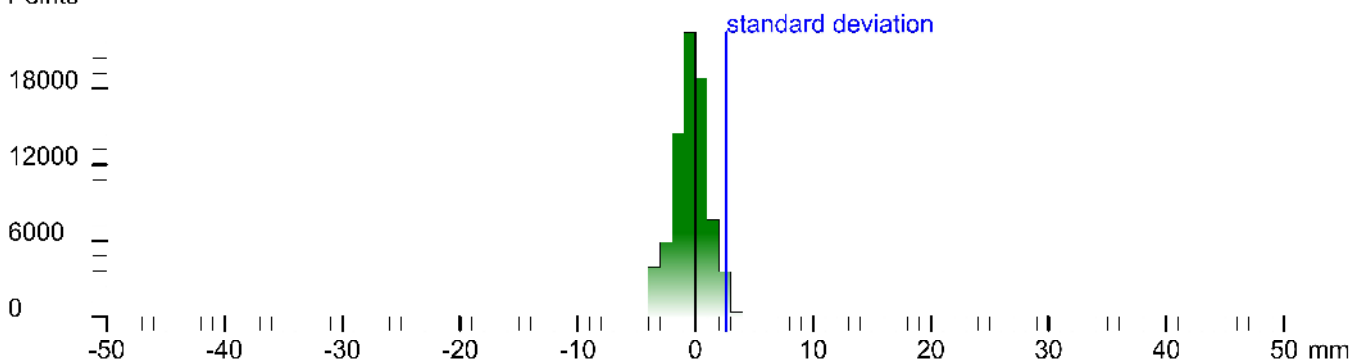
Registration matrix:

```
-0.292379 -0.956304 -0.000109 4.6352 m
0.956303 -0.292379 -0.000416 12.5394 m
0.000366 -0.000226 1.000000 0.5998 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.6 mm

## Deviation histogram

Points



## Scan '44'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan comment: '44' [102h] registered with cloud to cloud'
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 0.994014 bar * 81.386 m
nav translation: -3.0636 m 3.5915 m 100.8962 m accuracies: 5.4024 m 5.4024 m 0.0000 m
nav rotation: 0.0000 0.0000 247.9366 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pos position: (0 indoor)
-3.376 -0.927 0.000 -51.10°
0.927 -0.376 0.000 49.810°
0.000 0.000 1.000 11.383°
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



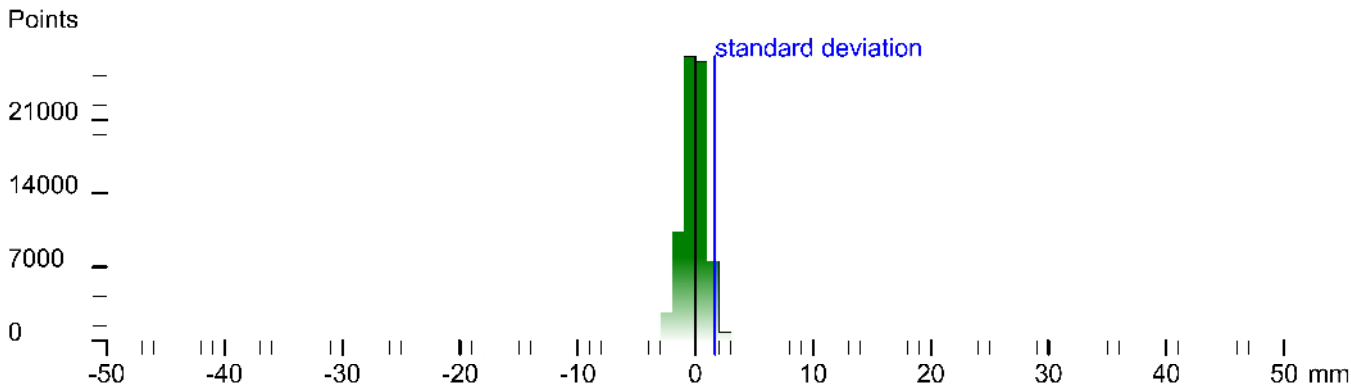
# Scan position '45'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.259388 -0.965774 -0.000346 2.1721 m
0.965774 -0.259388 -0.000425 12.4026 m
0.000321 -0.000444 1.000000 0.5997 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.7 mm

## Deviation histogram



## Scan '45'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '45' - member of group(s): '102h' - registered with cloud to cloud  

Sensor  

sensors: 3096 *barometric transition rotation*  

Barometer: 0.993957 bar / 81.87 m  

nav translation: -3.90/8 m 3.8187 m 101.5019 m accuracies: 5.73/8 m 5.7348 m 0.0000 m  

nav rotation: 0.0000 0.0000 256.8669 accuracies: 0.0000 0.0000 1s.0000  

upside-down: no  

Initial pre position: (0/door)  

-3.517 -0.837 0.000 -52.066  

0.637 -0.547 0.000 50.630  

0.000 0.000 1.000 11.889  

0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '46'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

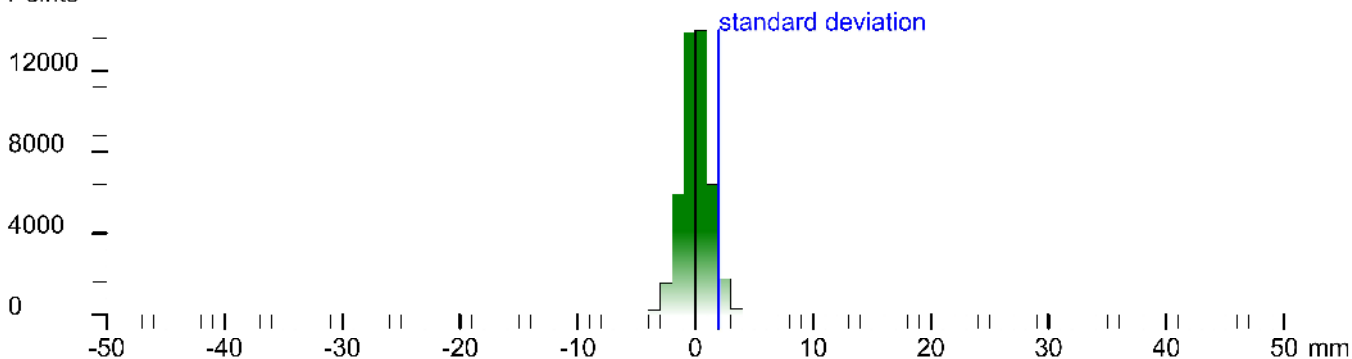
Registration matrix:

```
0.387505 0.921868 0.001255 6.4623 m
-0.921868 0.387505 -0.000248 2.6680 m
-0.000716 -0.001060 0.999999 0.5917 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.0 mm

## Deviation histogram

Points



## Scan '46'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
Barometer: 0.993919 bar / 82.184 m  
nav translation: 1.9183 m -5.5088 m 101.8328 m accuracies: 8.3706 m 8.3706 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.999999 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial position (Girdoor)  
0.296 0.955 0.000 -53.148  
-0.955 0.296 0.000 45.020  
0.000 0.000 1.000 17.220  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '47'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

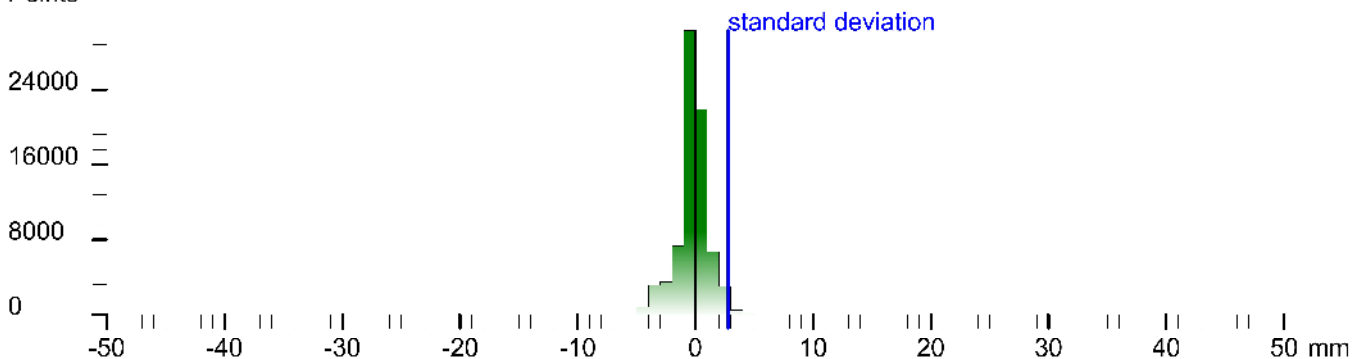
Registration matrix:

```
0.654665 0.755919 0.001280 8.3704 m
-0.755920 0.654665 -0.000005 3.0374 m
-0.000842 -0.000964 0.999999 0.5923 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.8 mm

## Deviation histogram

Points



## Scan '47'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '47' [102h] registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.993821 bar / 83.013 m  
nav translation: 0.6670 m -0.2937 m 102.2281 m accuracies: 5.4684 m 5.4684 m 0.0000 m  
nav rotation: 0.0000 0.0000 69.8827 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.532 0.865 0.000 -19.181  
-0.886 0.502 0.000 44.727  
0.000 0.000 1.000 12.615  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '48'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

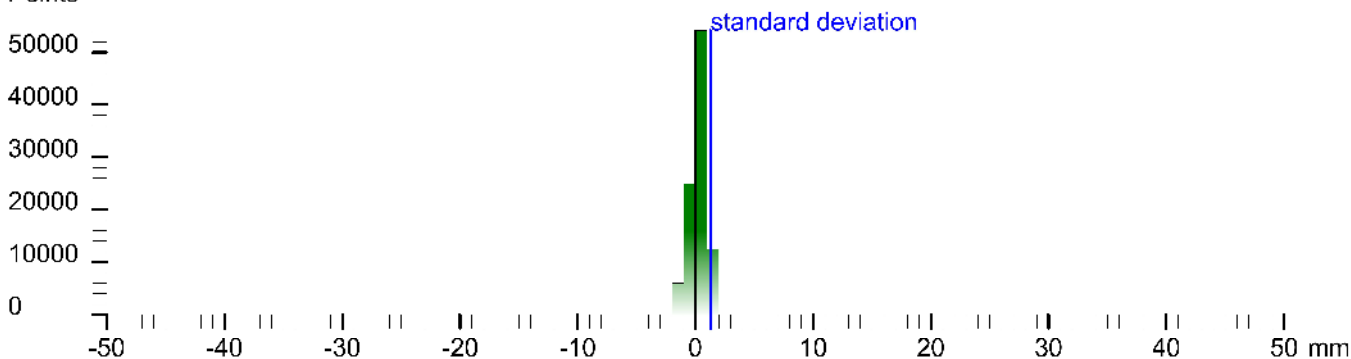
Registration matrix:

```
0.408499 0.912759 0.001471 9.1137 m
-0.912759 0.408500 -0.000757 -1.4698 m
-0.001293 -0.001033 0.999999 0.5903 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.3 mm

## Deviation histogram

Points



## Scan '48'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

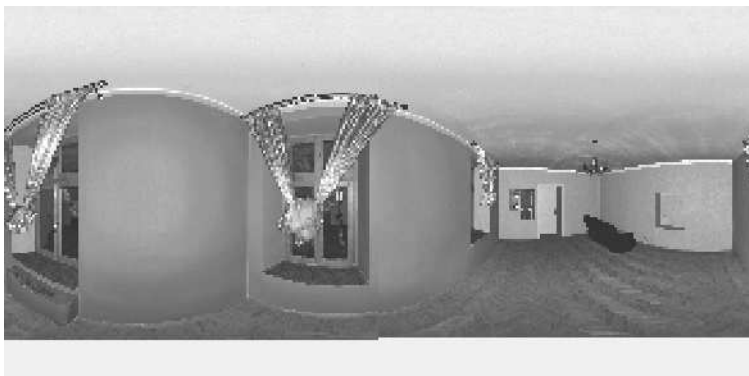
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '48' - name: '48' - type: 'Cloud to Cloud' - registration: 'cloud to cloud' - resolution: 'High' - quality: 'Normal' - sensor: 'Z+F IMAGER 5016' - serial number: '5016-0100' - firmware: '9.0.3.6562-0' - scan resolution: 'High' - quality: 'Normal' - registration: 'cloud to cloud' - standard deviation: '1.3 mm' - points: '50000' - sensor: 'Z+F IMAGER 5016' - serial number: '5016-0100' - firmware: '9.0.3.6562-0' - scan resolution: 'High' - quality: 'Normal' - registration: 'cloud to cloud' - standard deviation: '1.3 mm' - points: '50000'
```

Sensors: 3096 \*barometric transition rotation\*  
Barometer: 0.993697 bar / 84.068 m  
nav translation: 0.4377 m -2.3220 m 103./630 m accuracies: 0.2964 m 0.2964 m 0.0000 m  
nav rotation: 0.0000 0.0000 /1.1520 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
0.323 0.916 0.000 -19.043  
-0.946 0.323 0.000 42.400  
0.000 0.000 1.000 13.650  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '49'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

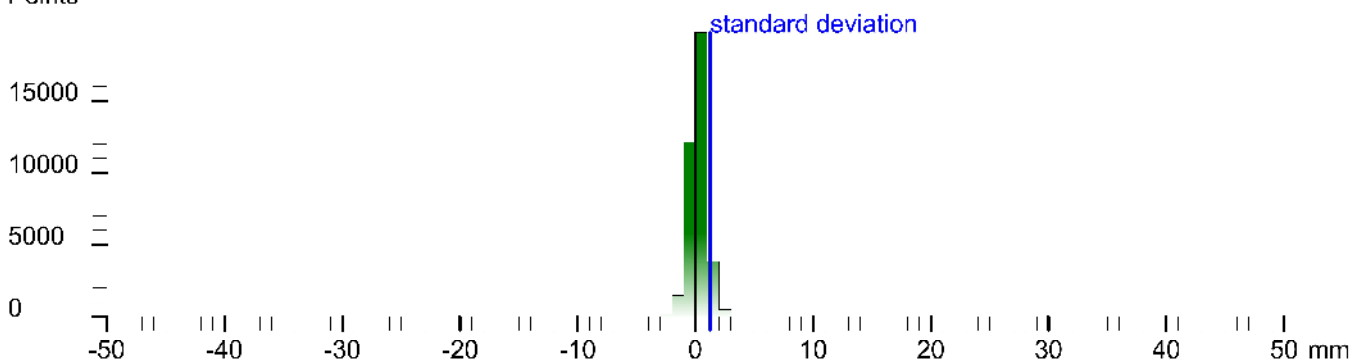
Registration matrix:

```
-0.077107  0.997022  0.001727  11.9299 m  
-0.997023 -0.077106 -0.000776  7.8341 m  
-0.000641 -0.001782  0.999998  1.1353 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.3 mm

## Deviation histogram

Points



## Scan '49'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: null  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.993489 bar / 85.824 m  
nav translation: 1.7589 m 4.3302 m 10 / .9383 m accuracies: 7.4898 m 7.4898 m 3.0000 m  
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0 indoor)  
-3.315 0 9 / 9 0.000 -47.284  
-3.949 -0.315 0.000 46.736  
0.000 0.000 1.000 15.375  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '5'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

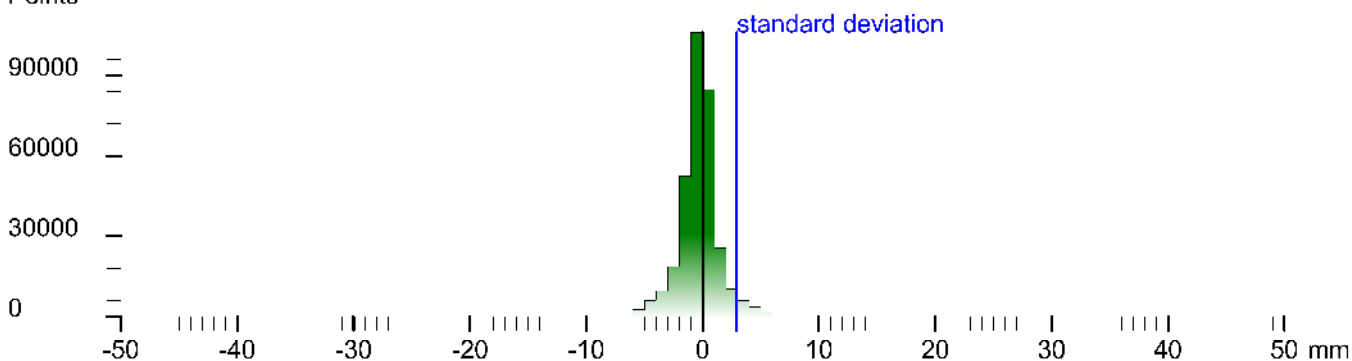
Registration matrix:

```
0.982435 -0.186603 0.000722 20.3138 m
0.186603 0.982436 -0.000095 -3.3665 m
-0.000692 0.000229 1.000000 1.1555 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:2.9 mm

## Deviation histogram

Points



## Scan '5'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan on name: cal_190804_031 - name: 148-15 - sample 15 - path: C:\Users\user\Desktop\Z+F\5016\cal_190804_031 - computer: m - scan date: 2019-08-04 12:46:16 - scan time: 00:00:00 - scan resolution: 0.1 mm - scan date: 2019-08-04 12:46:16  

Sensor  

sensors: 3100 * barome or transition rotation gps  

Barometer: 0.995191 bar * 51.436 m  

nav translation: 0.0000 m 0.0000 m 151.0673 m accuracies: 5.1000 m 5.1000 m 3.0000 m  

nav rotation: 0.0000 0.0000 346.2728 accuracies: 0.0000 0.0000 1s.0000  

upside-down: no  

GPS lat:44.30523 long:24.360610 satellites:3 height:187.6m hdop:9.3 vdcpr:1.0m hacc: 7.4m vacc:9.3 flags:G2 's are alone 2D solution'  

north:1923080.367 m east:289521.511 m zone:35T  

Initial pre position (3-coo. tocoor)  

0.971 -0.237 0.000 5.203  

0.237 0.971 0.000 16.592  

0.000 0.000 1.000 2.654  

0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '50'

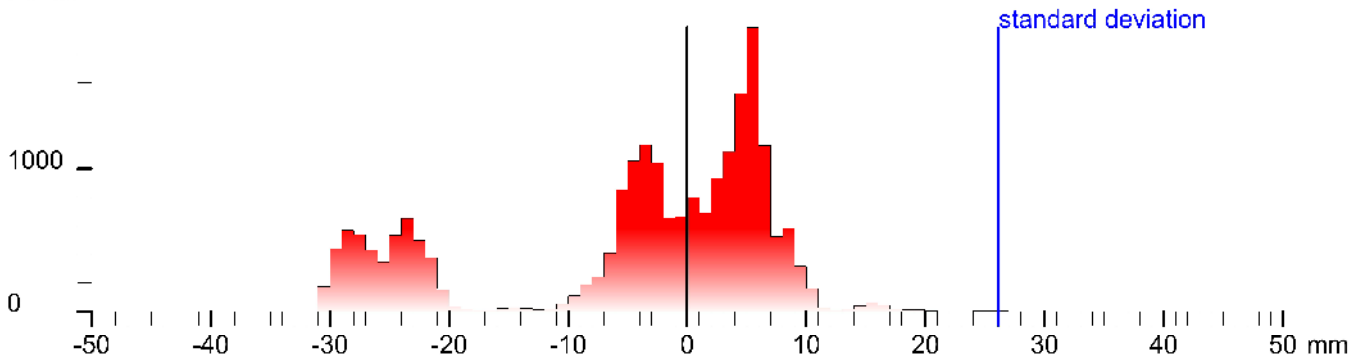
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.875779 -0.482710 0.001452 10.9185 m  
0.482705 -0.875779 -0.003109 6.6455 m  
0.002773 -0.002023 0.999994 1.1290 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 26.1 mm

## Deviation histogram

Points



## Scan '50'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan comment: null  
Sensor  
sensors: 3096 \*barometric transition rotation\*  
Barometer: 0.993464 bar / 66.032 m  
nav translation: -3.3607 m -0.4160 m 165.4701 m accuracies: 5.3960 m 5.3960 m 0.0000 m  
nav rotation: 0.0000 0.0000 217.0us8 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
-3.798 -0.603 0.000 -17.665  
0.603 -0.798 0.000 46.268  
0.000 0.000 1.000 15.657  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



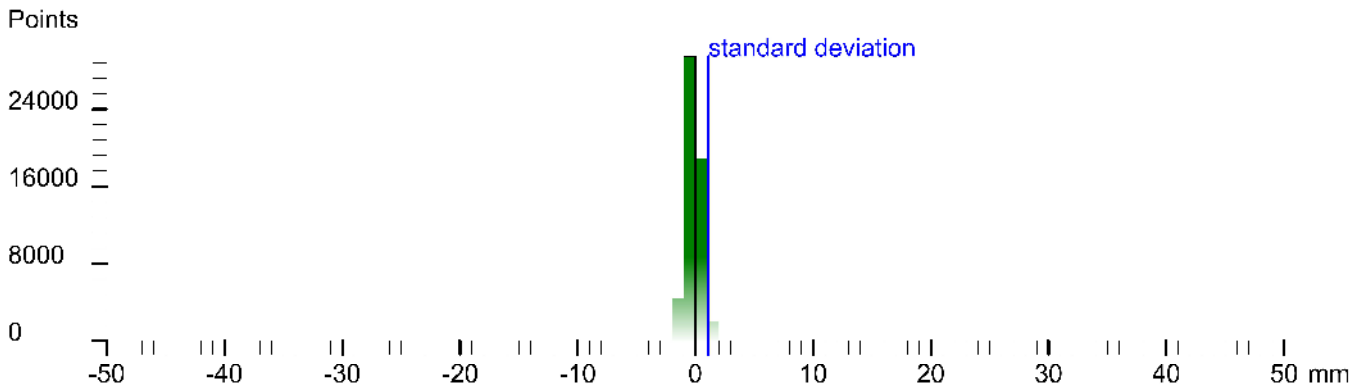
# Scan position '51'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.894972  0.446120  0.001312  10.0176 m
-0.446123 -0.894966 -0.003589  4.2015 m
-0.000427 -0.003799  0.999993  1.1203 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.1 mm

## Deviation histogram



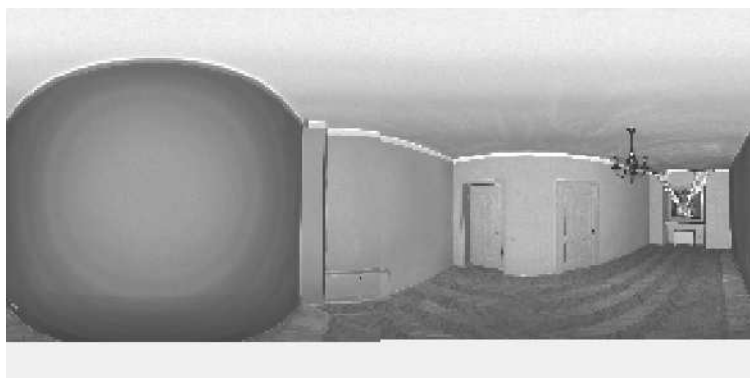
## Scan '51'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '51' [102h] registered with cloud to cloud
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.993366 bar / 86.863 m
nav translation: -3.5823 m -0.5621 m 166.1863 m accuracies: 5.5098 m 5.5098 m 0.0000 m
nav rotation: 0.0000 0.0000 0.534039 accuracies: 0.0000 0.0000 16.0000
upside-down: no
Initial pre position: (0/door)
-3.897 0.478 0.000 -18.217
-0.448 -0.884 0.000 46.727
0.000 0.000 1.000 16.573
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '52'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

Registration matrix:

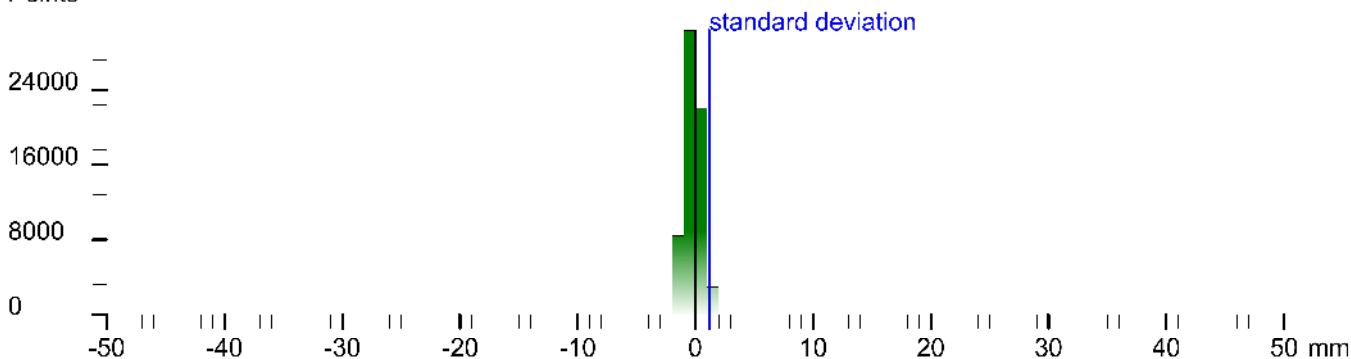
```

0.913721  0.406337  0.001981  12.3761 m
-0.406333 0.913724 -0.002155  5.1559 m
-0.002686 0.001165  0.999996  1.1199 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 1.2 mm

## Deviation histogram

Points



## Scan '52'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```

Scan comment: null
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 0.993310 bar / 87.34 m
nav translation: 3.9716 m -1.1055 m 106.6583 m accuracies: 7.1804 m 7.1804 m 0.0000 m
nav rotation: 0.0000 0.0000 26.8612 accuracies: 0.0000 0.0000 15.0000
up/down: no
Initial pre position: (0/door)
0.692 0.452 0.000 -11.276
-0.442 0.892 0.000 44.621
0.000 0.000 1.000 17.045
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '53'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

Registration matrix:

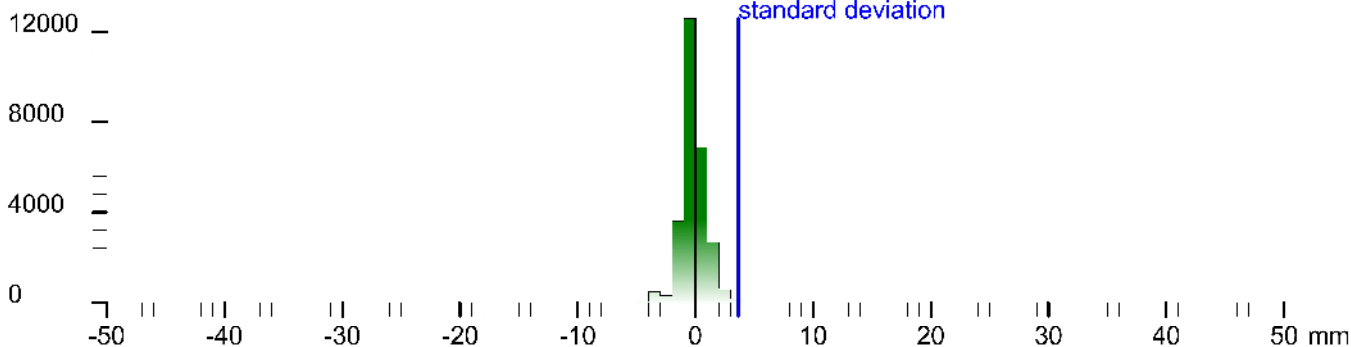
```

0.971774 -0.235912 0.001419 13.2461 m
0.235915 0.971774 -0.001881 6.2405 m
-0.000935 0.002164 0.999997 1.1216 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation:3.7 mm

## Deviation histogram

Points



## Scan '53'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Scan position: '53' - name: '14h:53' - status: 'Registered' - type: 'Cloud to Cloud' - registration: 'cloud to cloud' - resolution: 'High' - quality: 'Normal'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.993253 bar / 87.819 m
nav translation: 0.3762 m 0.3376 m 167.3446 m accuracies: 5.3464 m 5.3464 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 1s:0.0000
upside-down: no
Initial pre position: (0/door)
0.999 -0.013 0.000 -13.899
0.043 0.998 0.000 44.929
0.000 0.000 1.000 17.731
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '54'

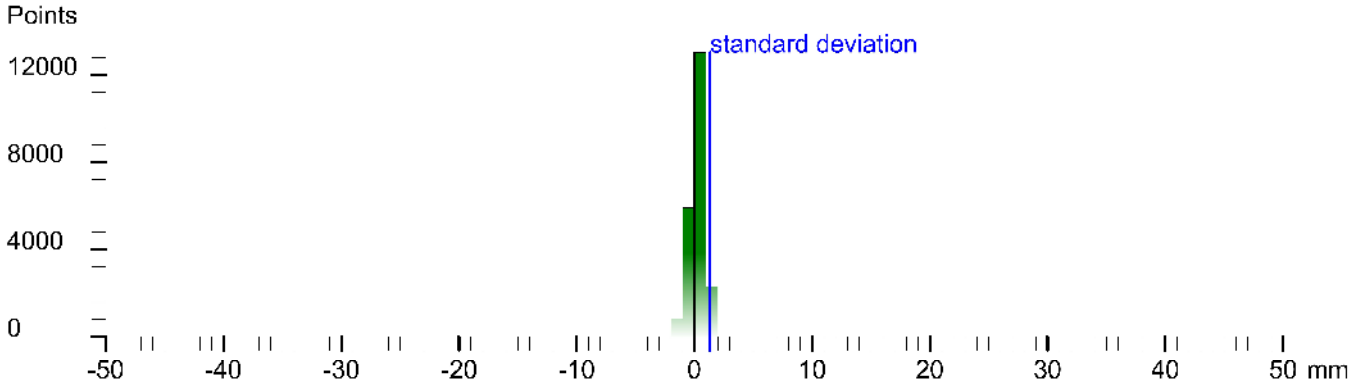
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.948119 -0.317919 0.000417 12.8498 m
0.317918 0.948118 0.000464 8.7828 m
-0.000543 -0.000307 1.000000 1.1349 m
0.000000 0.000000 0.000000 1.0000
  
```

Result registration cloud to cloud standard deviation: 1.3 mm

## Deviation histogram



## Scan '54'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

### Metadata Value

comment  
operator

```

Scan position: '54' [102h] registered with cloud to cloud
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.993184 bar / 88.40° m
nav translation: 1.8461 m 0.8225 m 107.8590 m accuracies: 6.12/6 m 6.12/6 m 3.0000 m
nav rotation: 0.0000 0.0000 353.1660 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0/door)
0.993 -0.119 0.000 -12.053
0.118 0.993 0.000 4s.ru2
0.000 0.000 1.000 18.246
0.000 0.000 0.000 1.000
  
```

Level system info: dynamic compensator available.



# Scan position '55'

Scan position is member of group(s):

Status registration '[10123h] preregistered with cloud to cloud, manually'

Registration matrix:

0.168579	0.985345	-0.026024	13.6580 m
-0.985686	0.168453	-0.006942	8.5691 m
-0.002457	0.026821	0.999637	1.1255 m
0.000000	0.000000	0.000000	1.0000

## Scan '55'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

Scan comment: null  
Sensor

sensors: 3096 "barometric (translation: rotation)"

Barometer: 0.993160 bar ~ 68.805 m

nav translation: 1.2704 m 0.712 m 168.36° 5 m accuracies: 5.7460 m 5.7460 m 0.0000 m

nav rotation: 0.00000 0.00000 / 6.9953 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position: (0:indoor)

0.226 0.974 0.000 -10.783

-0.974 0.226 0.000 45.926

0.000 0.000 1.000 18.748

0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '56'

Scan position is member of group(s):

Status registration '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

-0.515275	0.856613	-0.026590	15.0859 m
-0.856805	-0.515598	-0.006655	6.9481 m
-0.019410	0.019353	0.999624	1.1524 m
0.000000	0.000000	0.000000	1.0000

## Scan '56'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value

comment  
operator

```
Scan position: 56110123h [10123h] preregistered with cloud to cloud, manually'
Sensor
sensors: 3096 "barometric (translation: rotation)"
Barometer: 0.993072 bar "89.35" m
nav translation: 1.3832 m -2.779" m 168.8" 33 m accuracies: 6.6704 m 6.6704 m 0.0000 m
nav rotation: 0.00000 0.00000 "03.2579" accuracies: 0.00000 0.00000 15.00000
upside-down: no
Initial pre position: (0:indoor)
-0.237 0.972 0.000 -39.400
-0.977 -0.234 0.000 43.147
0.000 0.000 1.000 19.300
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



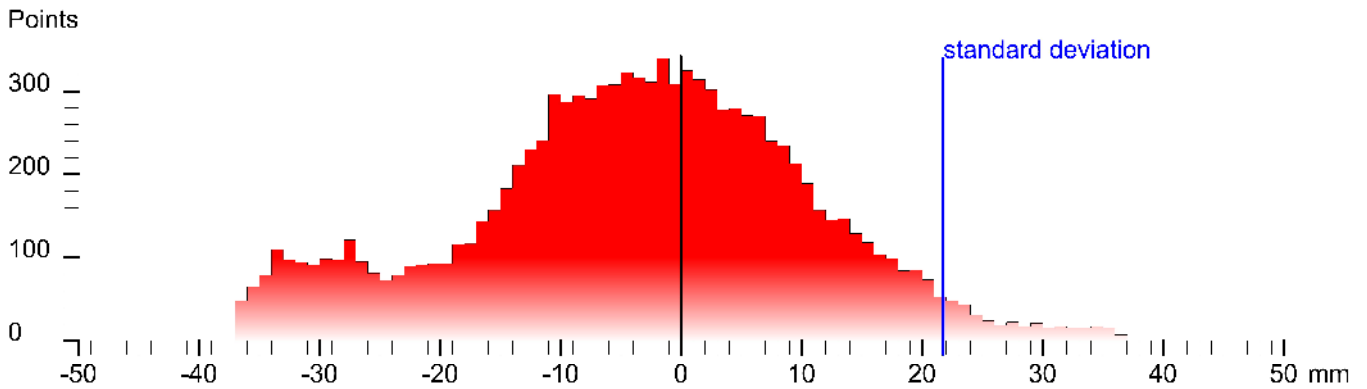
# Scan position '57'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.745384  0.666013  -0.028839  15.9006 m
-0.665661  -0.745936  -0.021834  6.2256 m
-0.036054  0.002921  0.999345  1.1691 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:21.8 mm

## Deviation histogram



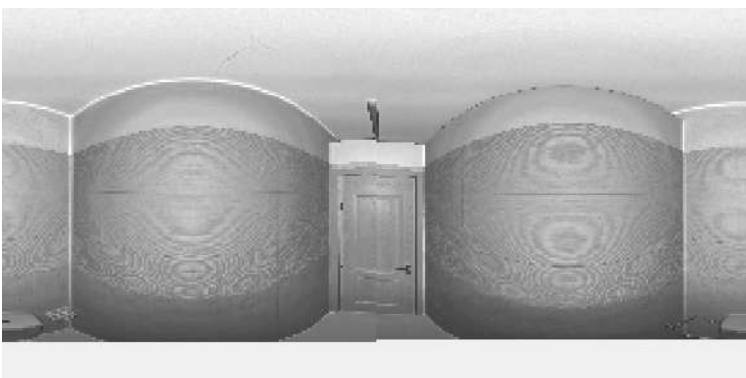
## Scan '57'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan on name: 'all' 1908000 303 1 146:57 5016-0100 'Z+F IMAGER 5016' 'Z+F IMAGER 5016' 'Z+F IMAGER 5016' 'Z+F IMAGER 5016' 'Z+F IMAGER 5016' 'Z+F IMAGER 5016' 'Z+F IMAGER 5016' 'Z+F IMAGER 5016' 'Z+F IMAGER 5016'
Sensor
sensors: 3096 'barome or transition rotation'
Barometer: 0.992998 bar / 89.98 m
nav translation: 0.0412 m -1.1936 m 109.6° 97 m accuracies: 5.68/6 m 5.98/6 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 33.0865 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (0 indoor)
-3.683 0 730 0.000 -39.355
-0.780 -0.685 0.000 41.992
0.000 0.000 1.000 19.906
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '58'

Scan position is member of group(s):

Status registration '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

-0.403573	0.914948	-0.000133	14.4352 m
-0.914948	-0.403573	0.000170	9.3450 m
0.000101	0.000190	1.000000	1.1308 m
0.000000	0.000000	0.000000	1.0000

## Scan '58'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

Scan comment: null  
Sensor

sensors: 3096 "barometric (translation: rotation)"

Barometer: 0,993019 bar ~ 69,8 m

nav translation: -3,3736 m -1,5341 m 169,1382 m accuracies: 6,0°/29 m 6,0°/29 m 0,0000 m

nav rotation: 0,00000 0,0000 93,8997° accuracies: 0,0000 0,0000 15,0000

upside-down: no

Initial pre position: (0/indoor)

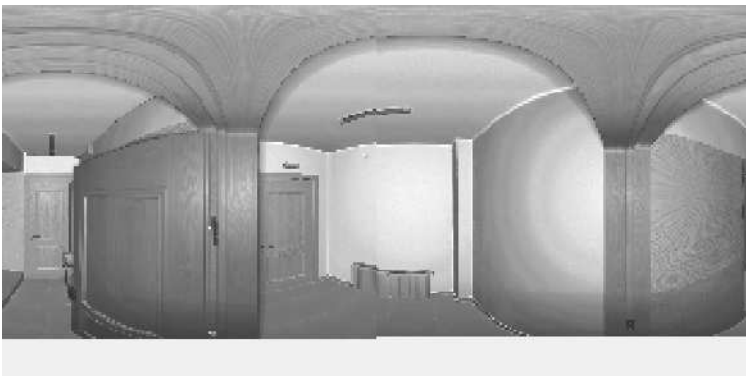
-0,068 0,998 0,000 -39,729

-0,998 -0,065 0,000 40,129

0,000 0,000 1,000 19,525

0,000 0,000 0,000 1,000

Level system info: dynamic compensator available.



# Scan position '59'

Scan position is member of group(s):

Status registration '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

-0.592045	0.805906	-0.000019	15.8782 m
-0.805905	-0.592046	-0.000013	7.8249 m
-0.000022	0.000007	1.000000	1.1302 m
0.000000	0.000000	0.000000	1.0000

## Scan '59'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

Scan comment: null  
Sensor

sensors: 3096 "barometric (translation: rotation)"

Barometer: 0.992952 bar ~ 70.364 m

nav translation: 1.6372 m -1.4873 m 170.3590 m accuracies: 6.3017 m 6.3017 m 0.0006 m

nav rotation: 0.00000 0.00000 70.2906 / accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0/indoor)

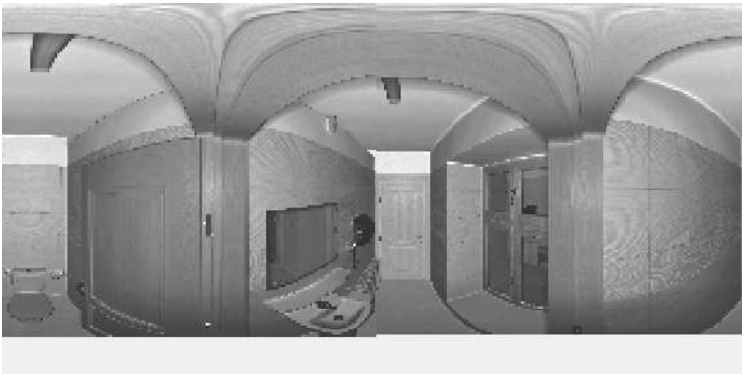
-0.593 0.804 0.000 -37.892

-0.804 -0.593 0.000 38.875

0.000 0.000 1.000 20.745

0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '6'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

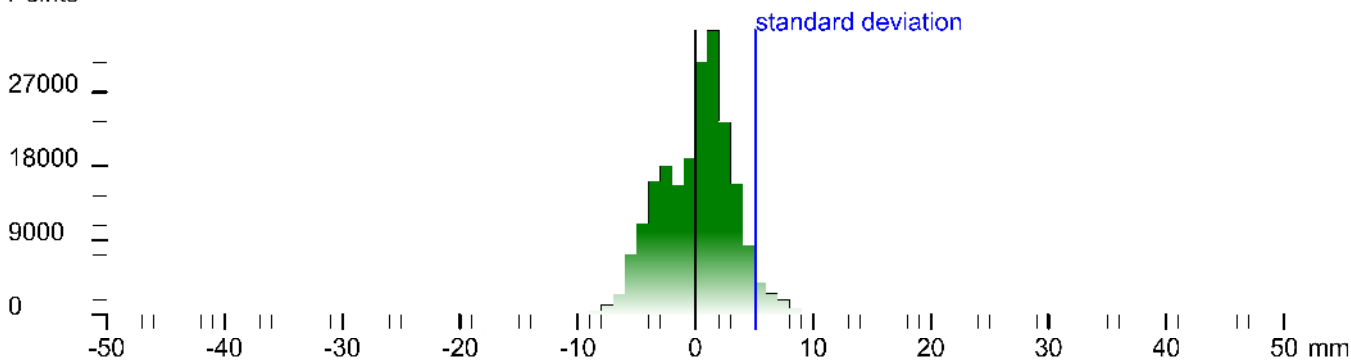
```

0.313802 -0.949488 0.000380 25.9010 m
0.949489 0.313802 0.000183 4.7193 m
-0.000293 0.000304 1.000000 1.4945 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation:5.1 mm

## Deviation histogram

Points



## Scan '6'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```

Scan on name: cal_130816_1031 - name: 1401 - 10 - sample: 10 - path: C:\Users\... - ...
Sensor
sensors: 3100 * barome or transition rotation gps
Barometer: 0.995238 bar ~ 51.037 m
nav translation: 7.4929 m 16.3922 m 15.0223 m accuracies: 1.11367 m 14.1367 m 0.00000 m
nav rotation: 0.0000 0.0000 2/9.0461 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat:44.430515 long:24.360681 satellites:5 height:183.6m hdox:2.6 vdcpx:1.8m hacc: 5.0m vacc:7.3 flags:G3 's are alone 3D solution'
north:1923079.712 m east:289927.823 m zone:35T
Initial pre position (3-coo. tocoor)
0.57 -0.988 0.000 7.6986
0.960 0.157 0.000 32.904
0.000 0.000 1.000 1.413
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '60'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

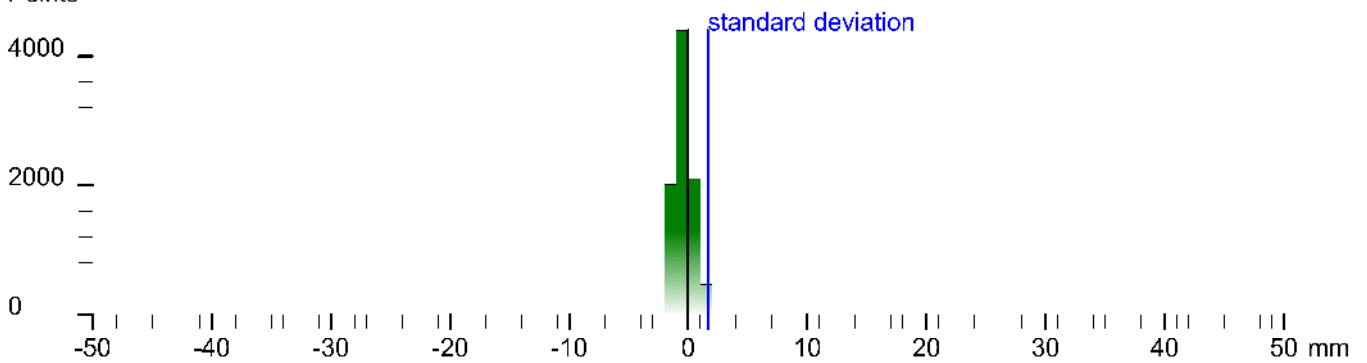
Registration matrix:

```
-0.933040  0.359776  0.000351  16.4929 m  
-0.359775 -0.933039 -0.000351  7.1353 m  
0.000202 -0.000454  1.000000  1.1284 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.6 mm

## Deviation histogram

Points



## Scan '60'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '60' [102h] registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.992953 bar * 70.363 m  
nav translation: -1.1285 m -2.4328 m 169.8282 m accuracies: 0.4607 m 0.4607 m 0.0000 m  
nav rotation: 0.0000 0.0000 * 5.14046 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0 indoor)  
-3.878 0.479 0.000 -39.322  
-0.478 -0.876 0.000 36.242  
0.000 0.000 1.000 20.215  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '62'

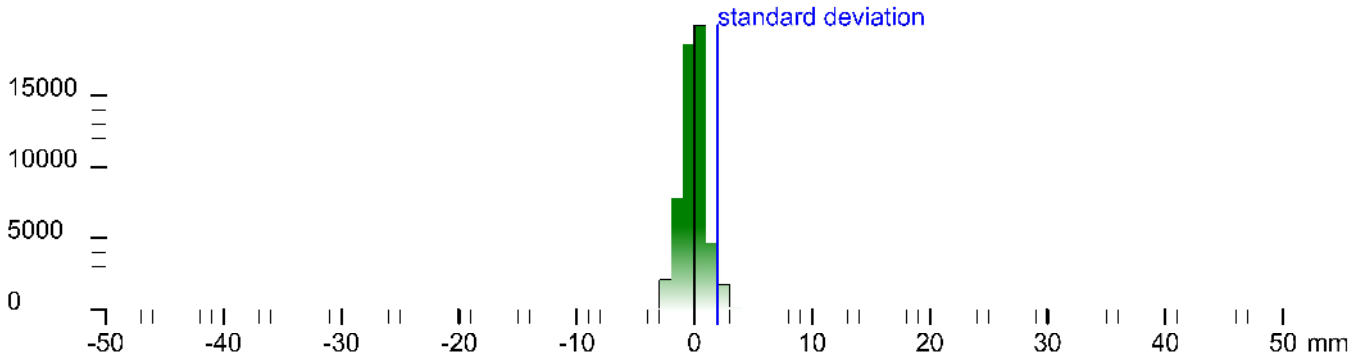
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.891322  0.453369  0.001526  14.3726 m  
-0.453370 0.891324 -0.000216  5.0630 m  
-0.001458 -0.000500 0.999999 -1.9470 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 2.0 mm

## Deviation histogram

Points



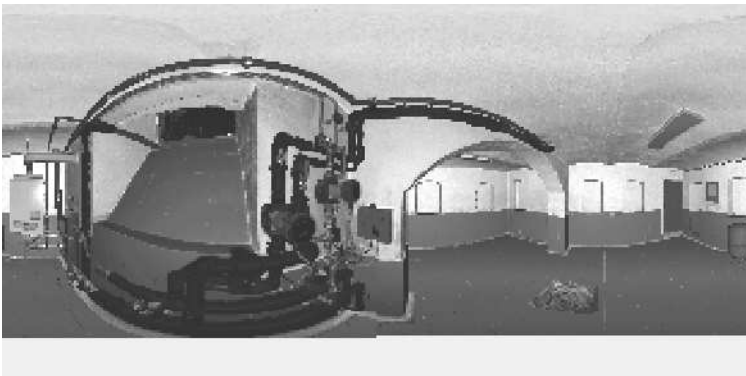
## Scan '62'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
----------	-------

comment	
operator	
Sensor	
sensors:	3096 *barome or transition rotation*
Barometer:	0.993221 bar - 88.034 m
nav translation:	0.2713 m -1.5983 m 107.7833 m accuracies: 5.9316 m 5.9316 m 0.0002 m
nav rotation:	0.0000 0.0000 4.28e-4 accuracies: 0.0000 0.0000 1s.0000
upside-down:	no
Initial pre position: (Girdoor)	
	0.859 0.217 0.000 -38.310
	-0.247 0.989 0.000 36.148
	0.000 0.000 1.000 18.770
	0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '63'

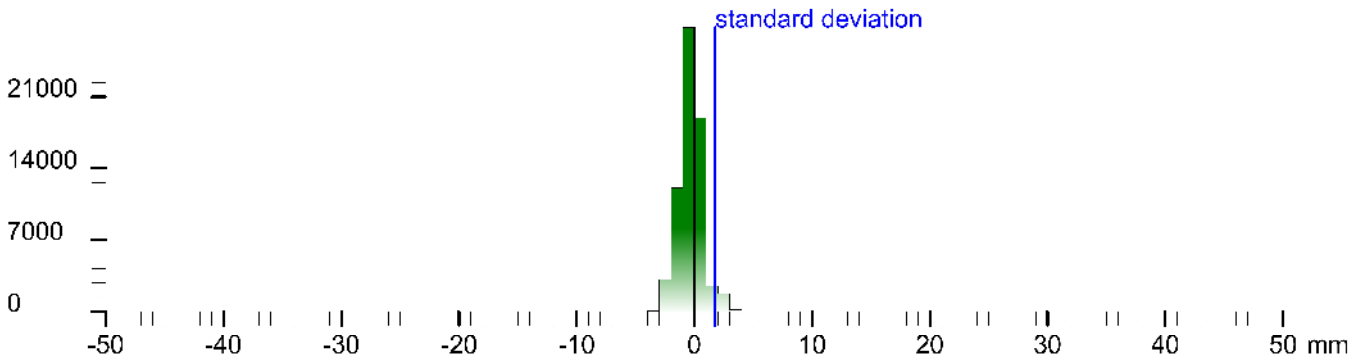
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.324968  -0.945725  0.000396  10.7372 m
 0.945726  -0.324968  -0.000696  4.8359 m
 0.000786  0.000149  0.999999  -1.9653 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



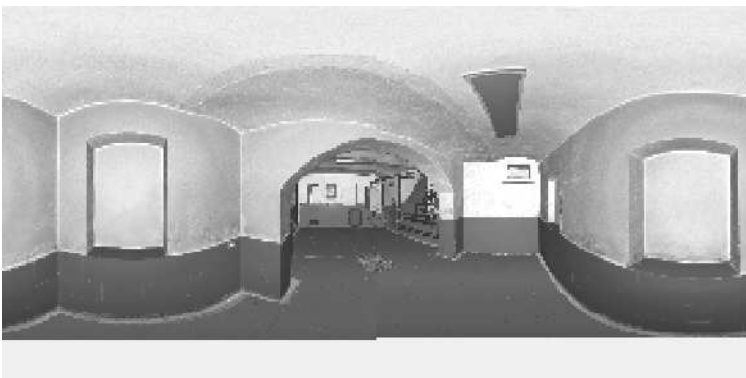
## Scan '63'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '63' - member of 148: '63' - member of 102: 'h' - member of 102: 'h' - member of 102: 'h' - member of 102: 'h'
Sensor
sensors: 3096 *barometer (transition rotation)
Barometer: 0.993275 bar / 87.83 m
nav translation: -1.6481 m 3.5765 m 106.8451 m accuracies: 5.97/3 m 5.9743 m 0.0000 m
nav rotation: 0.0000 0.0000 263.9392 accuracies: 0.0000 0.0000 1s:0.0000
upside-down: no
Initial pre position: (0/door)
-3.106 -0.984 0.000 -40.859
0.994 -0.106 0.000 37.126
0.000 0.000 1.000 17.339
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '64'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

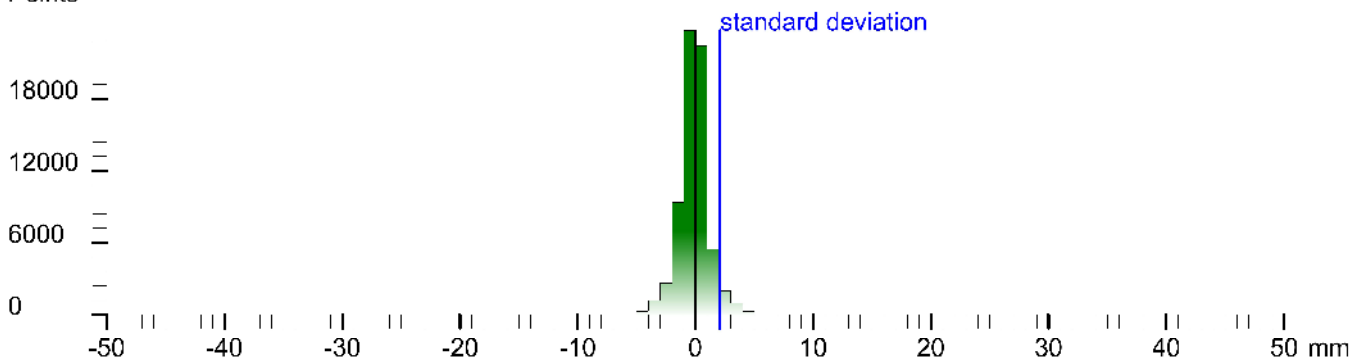
Registration matrix:

```
-0.203976  0.978976  0.000548  12.5377 m  
-0.978977  -0.203977  0.000003  11.4854 m  
0.000114  -0.000537  1.000000  2.0497 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 2.1 mm

## Deviation histogram

Points



## Scan '64'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '64' [102h] registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.992826 bar *71.43* m  
nav translation: 0.0000 m 0.0000 m 171.0858 m accuracies: 7.8909 m 7.8909 m 0.0000 m  
nav rotation: 0.0000 0.0000 *09.7/e2/ accuracies: 0.0000 0.0000 1s.0000  
up/down: no  
Initial pre position: (Girdoor)  
-3.398 0 9/1 0.000 -10.959  
-0.941 -0.336 0.000 3/.12s  
0.000 0.000 1.000 *1.47*  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.













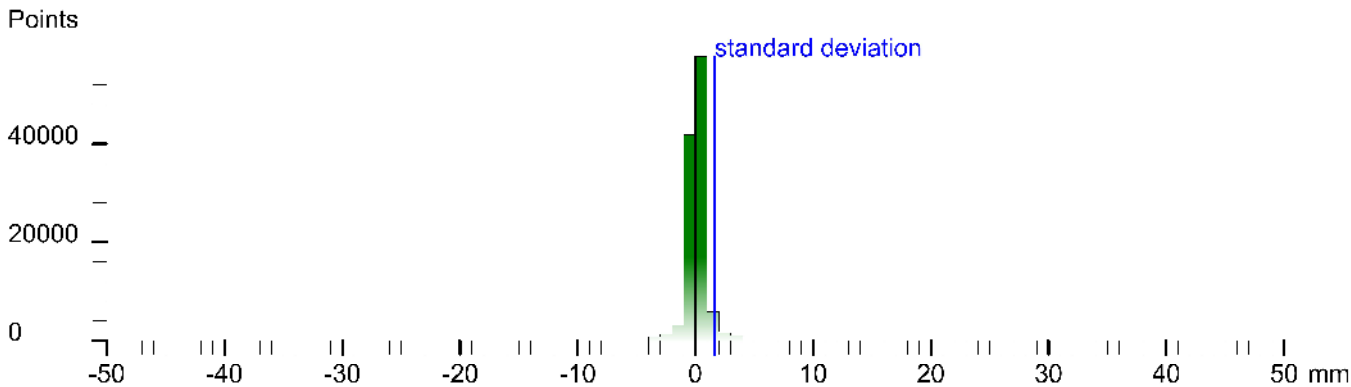
# Scan position '69'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.983806  0.179238  0.000277  2.9622 m
-0.179238 -0.983806 -0.001133  2.7364 m
0.000069 -0.001165  0.999999  4.2445 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.6 mm

## Deviation histogram



## Scan '69'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '69' - name: '148:69' - status: 'OK' - sensor: 'Z+F IMAGER 5016' - registration: 'cloud to cloud' - standard deviation: '1.61' - resolution: 'High' - quality: 'Normal'
Sensor
sensors: 3096 *barometer transition rotation*
Barometer: 0.992915 bar ~ 70.885 m
nav translation: -0.9235 m -0.9071 m 170.4280 m accuracies: 5.7530 m 5.7530 m 0.0000 m
nav rotation: 0.0000 0.0000 47.1868 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0 indoor)
-0.810 0 5/2 0.000 -47.398
-0.142 -0.840 0.000 37.342
0.000 0.000 1.000 20.815
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.







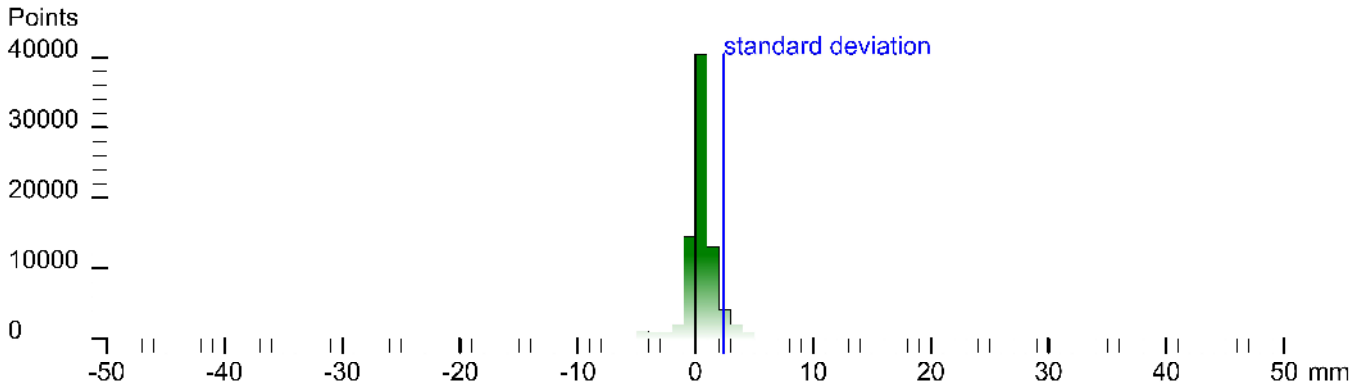
# Scan position '71'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.042102 -0.999113 -0.000368 8.5293 m
0.999115 0.042102 -0.000232 12.4250 m
0.000249 -0.000359 1.000000 4.1798 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.4 mm

## Deviation histogram



## Scan '71'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan comment: null
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 0.993157 bar / 88.837 m
nav translation: 5.5158 m -7.4288 m 108.0712 m accuracies: 9.780° m 9.780° m 0.0000 m
nav rotation: 0.0000 0.0000 277.2132 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (0/door)
0.726 -0.992 0.000 -2.716
0.992 0.126 0.000 22.502
0.000 0.000 1.000 18.458
0.000 0.000 0.000 1.000
```

Level system info: no information about the level system stored in the zfs header









# Scan position '74'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

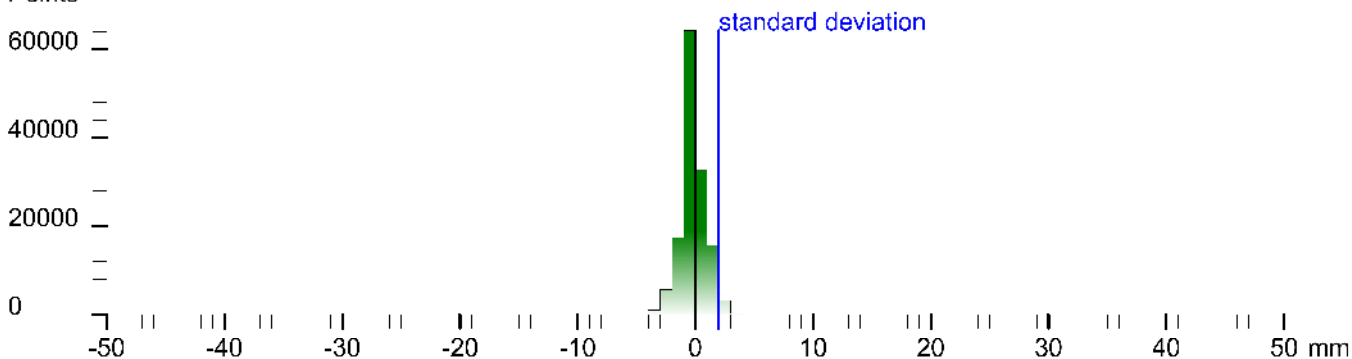
Registration matrix:

```
-0.830608  0.556858 -0.000012  4.0135 m
-0.556858 -0.830609 -0.000892  10.2360 m
-0.000508 -0.000734  1.000000  4.1746 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 2.0 mm

## Deviation histogram

Points



## Scan '74'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: '148:74' - name: '148:74' - scan: '74' - type: 'Cloud to cloud' - status: 'Registered' - registration: 'Cloud to cloud' - standard deviation: '2.0 mm' - resolution: 'High' - quality: 'Normal'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.993071 bar / 89.362 m
nav translation: -0.2083 m -1.1854 m 168.2338 m accuracies: 5.7138 m 5.7138 m 0.0000 m
nav rotation: 0.0000 0.0000 -0.598146 accuracies: 0.0000 0.0000 18.0000
upside-down: no
Initial pre position: (0/door)
-0.78° 0.675 0.000 -5.690
-0.64° -0.764 0.000 21.002
0.000 0.000 1.000 18.670
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





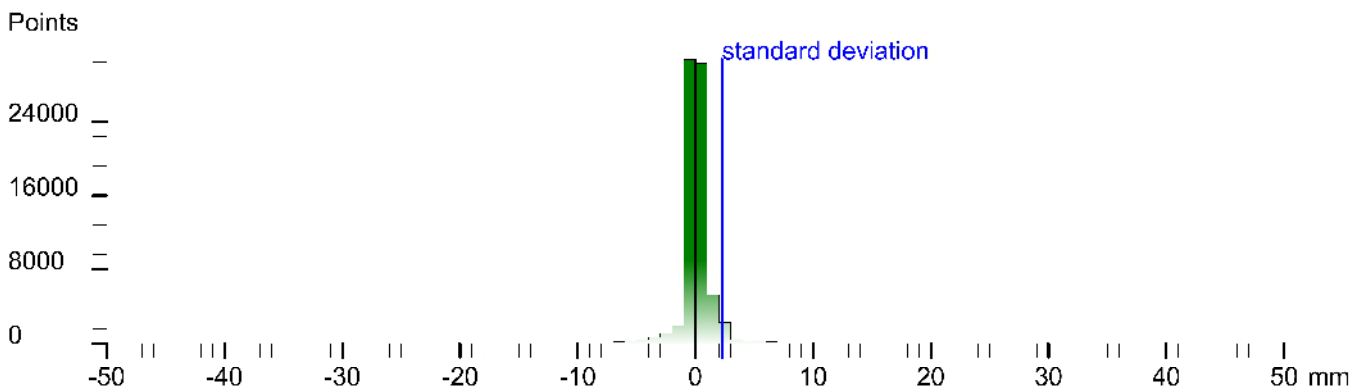
# Scan position '76'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.058068  0.998312  0.001276  6.6346 m
-0.998313 -0.058068 -0.000583  3.1958 m
-0.000509 -0.001307  0.999999  4.1745 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 2.3 mm

## Deviation histogram



## Scan '76'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '148:76' - name: '148:76' - scan: '76' - type: 'Cloud to Cloud' - registration: 'cloud to cloud' - resolution: 'High' - quality: 'Normal' - sensor: 'Z+F IMAGER 5016' - serial: '5016-0100' - firmware: '9.0.3.6562-0' - scan resolution: 'High' - quality: 'Normal'
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 0.994061 bar / 80.987 m
nav translation: 0.0000 m 0.0000 m 100.351 m accuracies: 5.1000 m 5.1000 m 3.0000 m
nav rotation: 0.0000 0.0000 92.8900 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
-3.050 0.999 0.000 -6.725
-0.999 -0.050 0.000 19.932
0.000 0.000 1.000 10.677
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '77'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

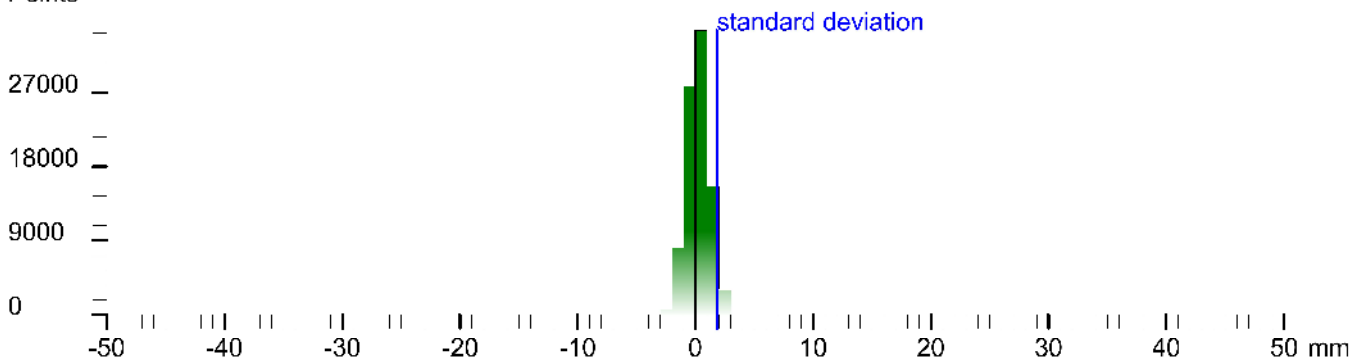
Registration matrix:

0.191114	0.981568	0.001062	9.3451 m
-0.981568	0.191114	-0.001241	-1.2072 m
-0.001422	-0.000804	0.999998	4.1630 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## Scan '77'

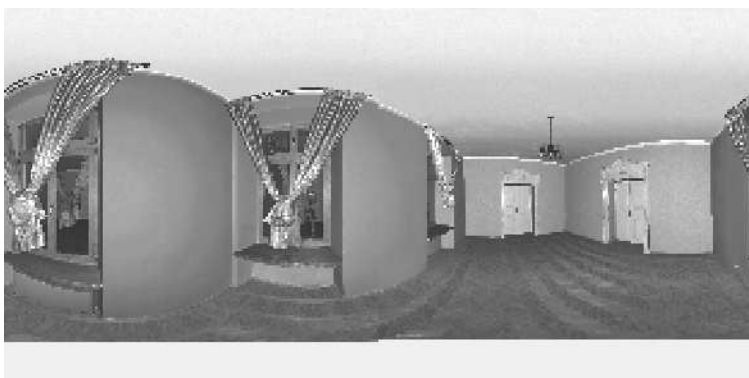
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan comment: null  
Sensor  
sensors: 3096 \*barometric rotation\*  
Barometer: 0.994072 bar / 80.894 m  
nav translation: 1.6500 m -1.3819 m 100.8058 m accuracies: 0.1895 m 0.1895 m 0.0000 m  
nav rotation: 0.0000 0.0000 93.4244 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
-3.007 1.000 0.000 -5.075  
-1.000 -0.000 0.000 18.147  
0.000 0.000 1.000 10.693  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '79'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

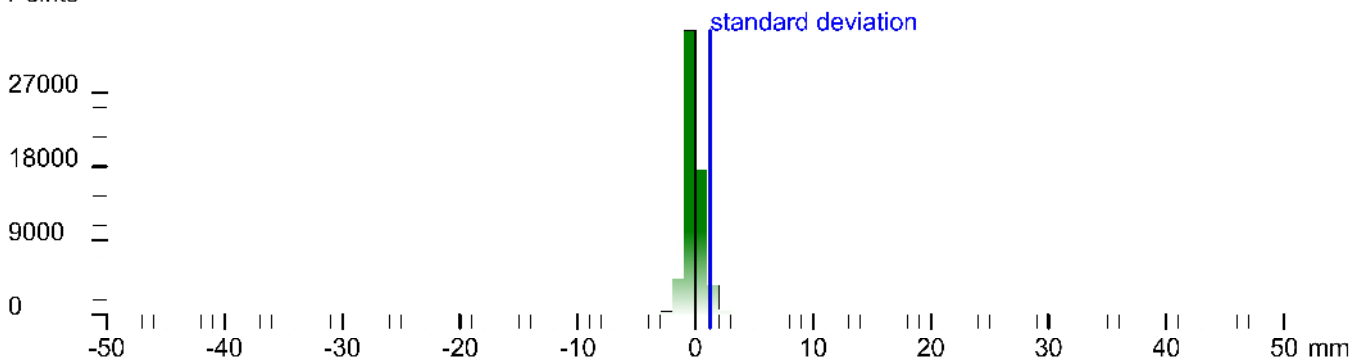
Registration matrix:

0.834852	-0.550475	0.000316	11.0314 m
0.550474	0.834853	0.000654	5.2192 m
-0.000623	-0.000372	1.000000	4.1718 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.3 mm

## Deviation histogram

Points



## Scan '79'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
Barometer: 0.994144 bar / 80.283 m  
nav translation: 0.7715 m 0.4235 m 158.7628 m accuracies: 5.5163 m 5.5163 m 0.0000 m  
nav rotation: 0.0000 0.0000 342.1302 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
0.852 -0.307 0.000 -3.471  
0.307 0.852 0.000 18.810  
0.000 0.000 1.000 10.150  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '8'

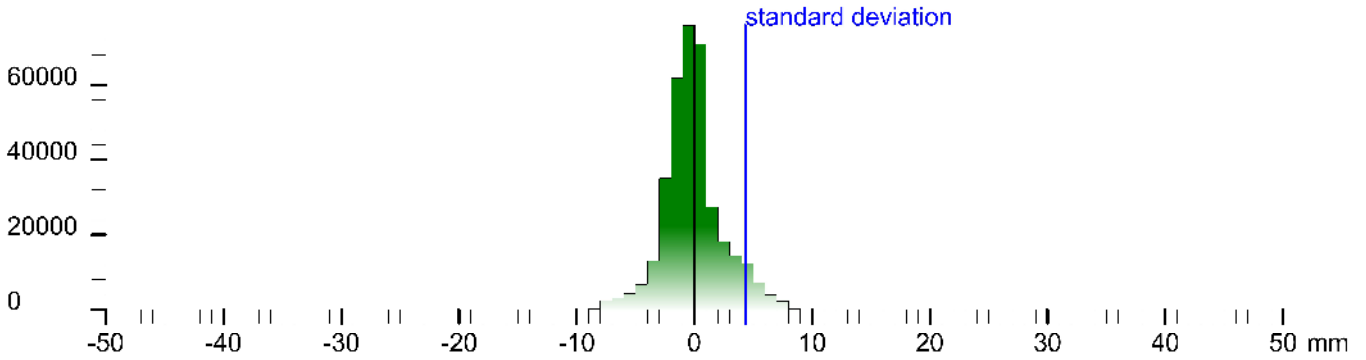
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.949896  0.312564  0.001340  24.5039 m
-0.312564  0.949897  0.000108  15.5128 m
-0.001239 -0.000521  0.999999  1.7183 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:4.3 mm

## Deviation histogram

Points



## Scan '8'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: full 1.938sec 3031 samples 1.48/15" sample 50" pitch "Close-Futurance/Futurance/Close-Futurance" speed: 0.5487" s/m horizontal 27" vertical 27" scan rate 1.000000 resolution 1.000000/1.000000/1.000000 "1246.1811" form "2074x217540"
Sensor
sensors: 3100 *barome or transtion rotation gps
Barometer: 0.995206 bar / 51.202 m
nav translation: 2.7178 m 6.6703 m 151.0128 m accuracies: 8.7325 m 8.7325 m 3.0000 m
nav rotation: 0.0000 0.0000 27.2204 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:14.430894 long:24.360617 satellites:4 height:177.7m htdop:3.8 vdop:4.3m hacc:2.0m vacc:14.0 tags:G3 'stand alone 3D solution'
Initial pre position (3-coo. tocoor):
0.889 0.457 0.000 12.293
-0.457 0.889 0.000 47.767
0.000 0.000 1.000 1.403
0.000 0.000 0.000 1.000
```

Level system info: no information about the level system stored in the zfs header



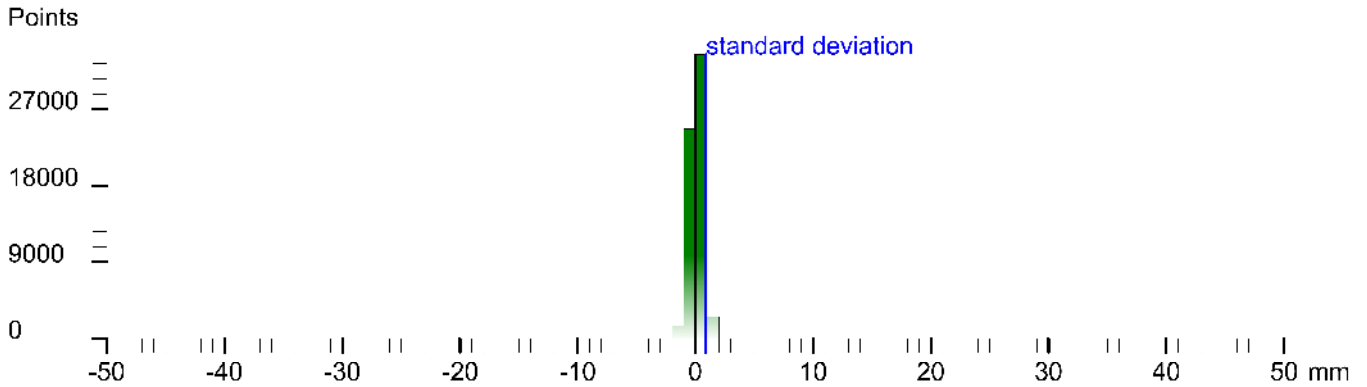
# Scan position '80'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
0.981035 -0.193831 0.000940 12.3124 m
0.193830 0.981036 0.000358 5.3866 m
-0.000991 -0.000168 0.999999 4.1700 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:0.9 mm

## Deviation histogram



## Scan '80'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan ID: 1308000033 - name: 140107 - status: 80 - type: Data - Date: 2018-11-20 10:40:00 - Computer: - user: user - time: 2018-11-20 10:40:00 - File: scan\_data - resolution: 0.250000 - for: 1240 x 1024 - for: 1200x1200  
 Sensor:  
 sensors: 3096 \*barometer transition: rotation\*  
 Barometer: 0.994088 bar \* 80.755 m  
 nav translation: 0.6794 m 0.6378 m 159.9281 m accuracies: 5.6610 m 5.6610 m 0.0000 m  
 nav rotation: 0.0000 0.0000 6.4604 accuracies: 0.0300 0.0000 15.0000  
 up/down: no  
 Initial pre position: (Girdor)  
 0.991 0.113 0.000 -2.587  
 -0.113 0.994 0.000 19.248  
 0.000 0.000 1.000 10.315  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '81'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

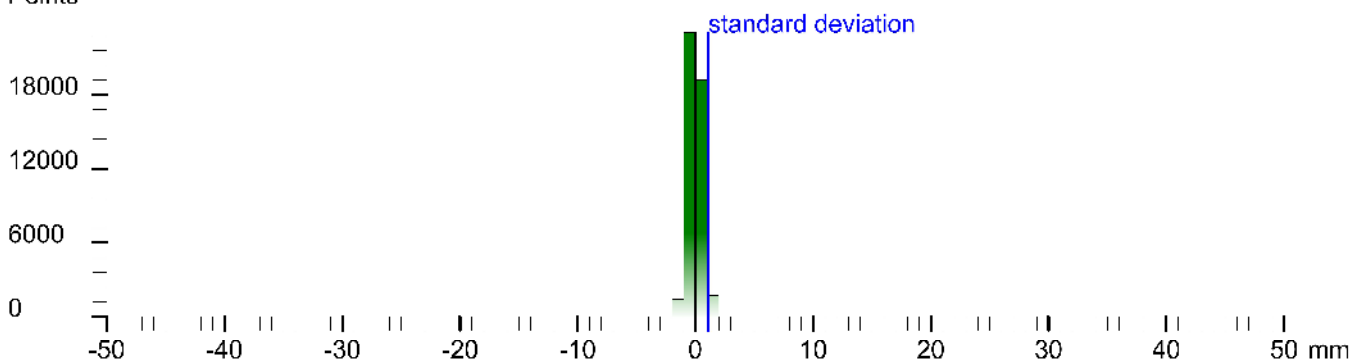
Registration matrix:

0.967500	-0.252870	0.001318	14.0409 m
0.252869	0.967501	0.000660	7.0971 m
-0.001442	-0.000305	0.999999	4.1702 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.1 mm

## Deviation histogram

Points



## Scan '81'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
Barometer: 0.994074 bar / 80.879 m  
nav translation: 0.3697 m 0.1654 m 100.5901 m accuracies: 5.3038 m 5.3038 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0/door)  
0.999 -0.014 0.000 -2.225  
0.044 0.998 0.000 19.414  
0.000 0.000 1.000 10.977  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '82'

Scan position is member of group(s):

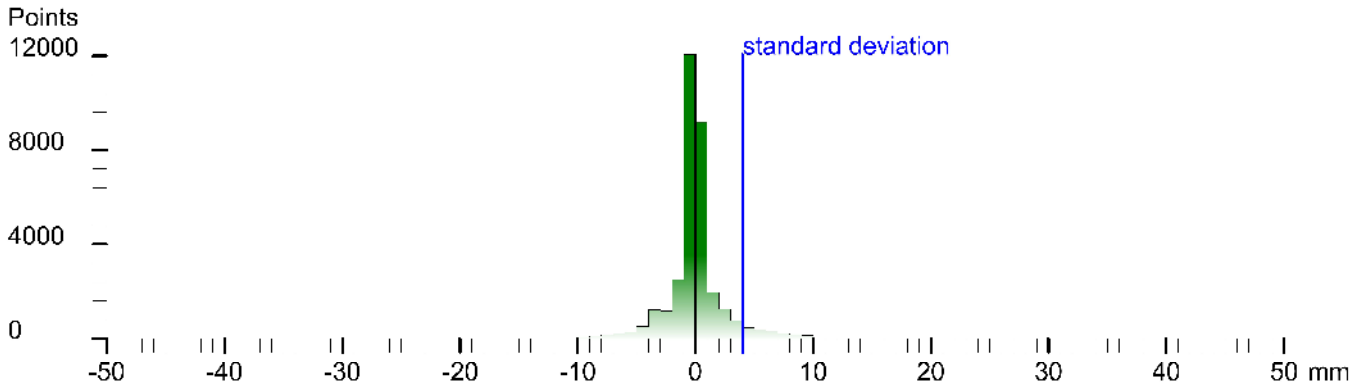
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

0.911371	0.411583	0.001704	13.1052 m
-0.411585	0.911372	0.000690	10.4585 m
-0.001270	-0.001329	0.999998	4.6794 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:4.0 mm

## Deviation histogram



## Scan '82'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan comment: null  
Sensor  
sensors: 3096 \*barometric transition rotation\*  
Barometer: 0.994041 bar \*81.153 m  
nav translation: 1.8430 m 0.4487 m 100.54 \*0 m accuracies: 0.0000 m 0.0000 m 0.0000 m  
nav rotation: 0.0000 0.0000 42.0986 accuracies: 0.0000 0.0000 0.0000  
upside-down: no  
Initial pre position: (0/door)  
0.742 0.570 0.000 -0.382  
-0.670 0 /z2 0.000 \*9.862  
0.000 0.000 1.000 10.978  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '83'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

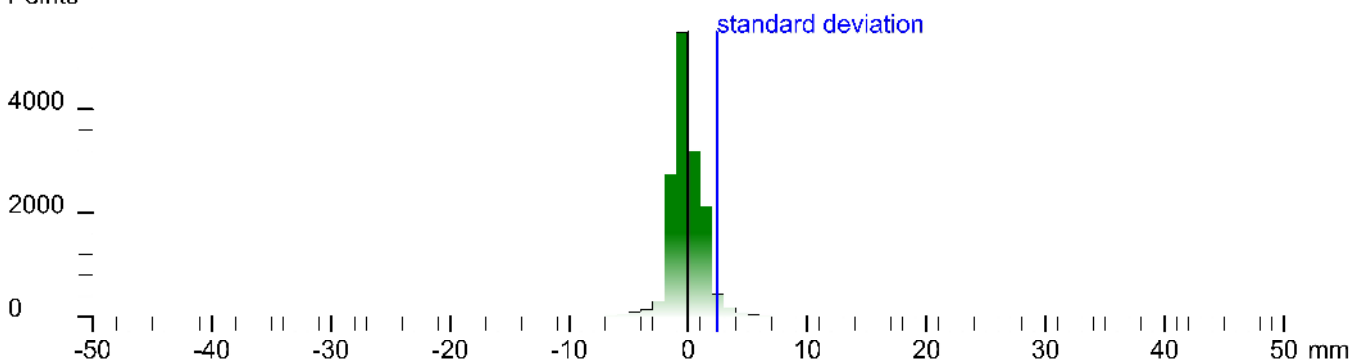
Registration matrix:

0.824487	0.565877	0.002137	14.5542 m
-0.565880	0.824489	0.000349	9.0244 m
-0.001565	-0.001496	0.999997	4.6788 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:2.4 mm

## Deviation histogram

Points



## Scan '83'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan comment: null  
Sensor  
sensors: 3096 \*barometric transition rotation\*  
Barometer: 0.994124 bar \* 80.454 m  
nav translation: 2.2552 m \*3.8918 m 100.0769 m accuracies: 0.3209 m 0.3209 m 0.0000 m  
nav rotation: 0.0000 0.0000 43.0287 accuracies: 0.0000 0.0000 15.0000  
up/down: no  
Initial pre position: (Girdoor)  
0.766 0.513 0.000 \* 8.74  
-0.643 0.766 0.000 \* 8.971  
0.000 0.000 1.000 10.464  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '84'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

Registration matrix:

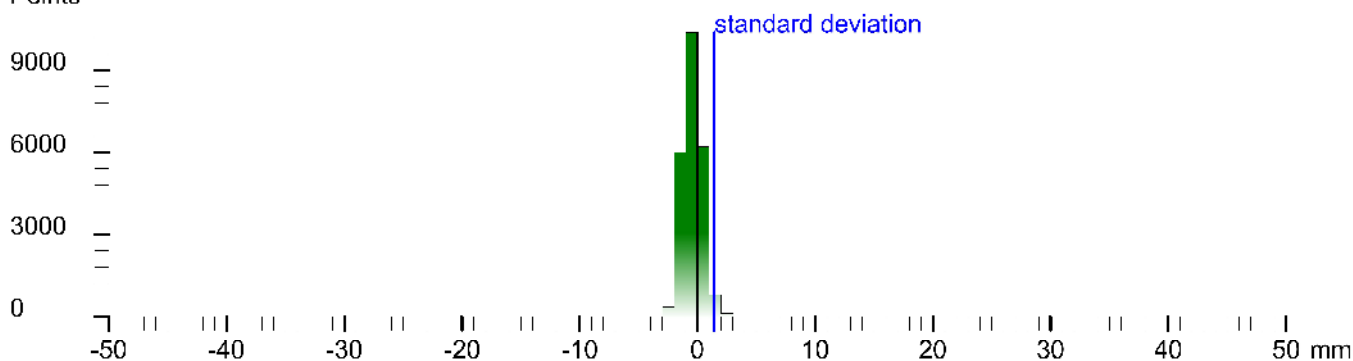
```

0.177956  0.984037  0.001749  16.2351 m
-0.984039 0.177956  0.000111  6.8523 m
-0.000203 -0.001741  0.999998  4.6769 m
0.000000  0.000000  0.000000  1.0000
  
```

Result registration cloud to cloud standard deviation: 1.4 mm

## Deviation histogram

Points



## Scan '84'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

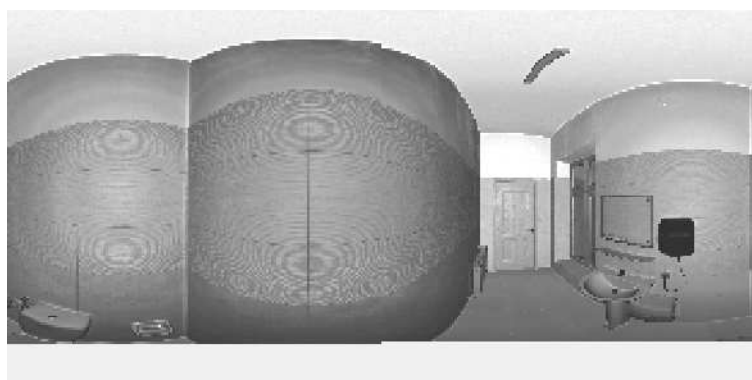
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Scan position: '1508h' - '1484037' - '16.2351' - '0.177956' - '0.984037' - '0.001749' - '16.2351'
Sensor
sensors: 3096 (barometric transition rotation)
Barometer: 0.994172 bar / 80.047 m
nav translation: 0.5183 m -0.8707 m 159.8066 m accuracies: 5.6210 m 5.5210 m 0.0000 m
nav rotation: 0.0000 0.0000 62.8377 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial position (Girdoor)
0.25 0.992 0.000 2.392
-0.992 0.125 0.000 8.100
0.000 0.000 1.000 9.993
0.000 0.000 0.000 1.000
  
```

Level system info: dynamic compensator available.



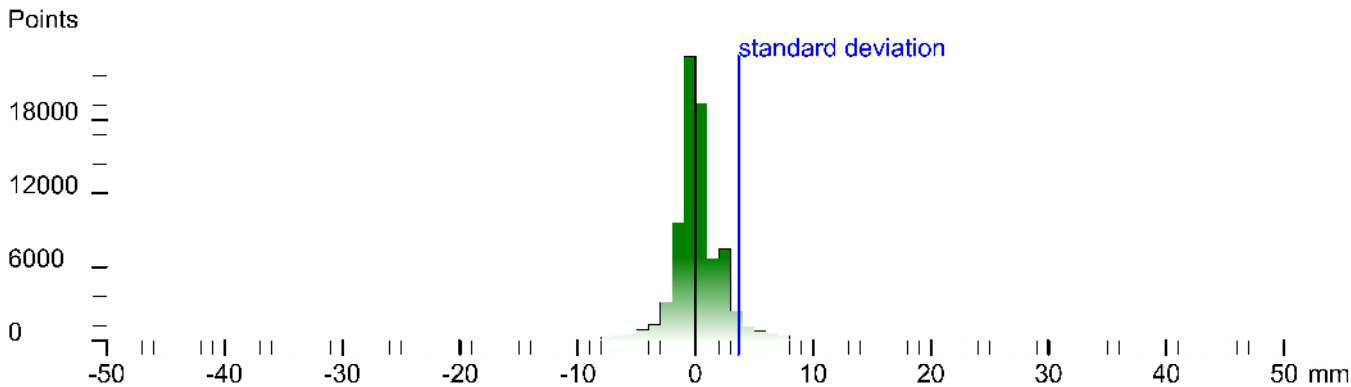
# Scan position '85'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.859462 -0.511199 -0.000235 11.9198 m
 0.511200 -0.859462  0.000153 12.6618 m
-0.000280  0.000010  1.000000  5.7359 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:3.7 mm

## Deviation histogram



## Scan '85'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan on name: '1418262013' on date: '14/01/2013' on time: '09:46:00' on site: 'C:\Data\ScanData\1418262013' on project: '1418262013' on computer: '... on date: '2013-01-14 09:46:00' on scan: 'Scan' on camera: 'Z+F IMAGER 5016' on resolution: 'High' on quality: 'Normal' on registration: 'Cloud to Cloud' on method: 'ICP' on filter: '1418262013'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.994042 bar * 81.146 m
nav translation: -5.2221 m 2.3228 m 100.8596 m accuracies: 7.9833 m 7.9833 m 0.0001 m
nav rotation: 0.0000 0.0000 240.8198 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0 indoor)
-3.486 -0.874 0.000 -2.830
0.674 -0.486 0.000 23.423
0.000 0.000 1.000 11.246
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '86'

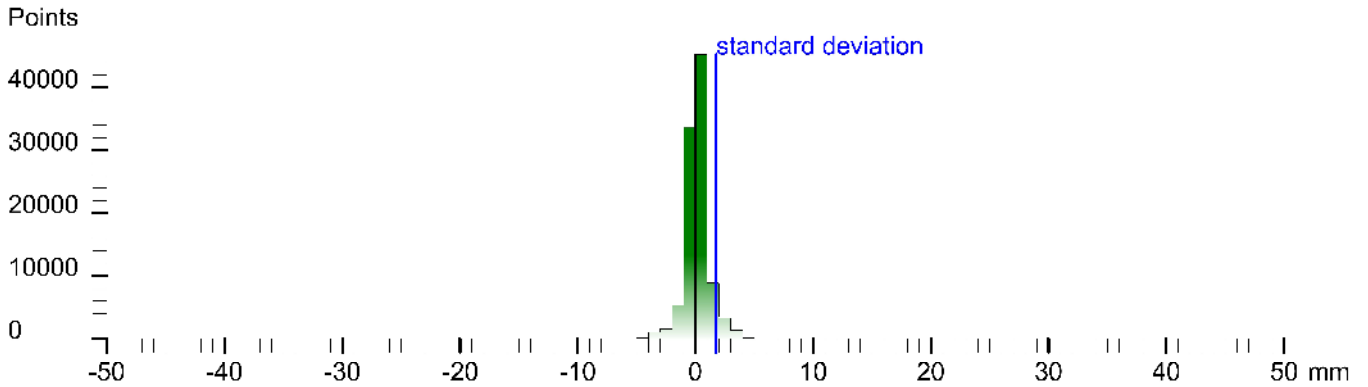
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

-0.950892 -0.309521 0.000425 10.2519 m
 0.309521 -0.950893 -0.000691 13.2196 m
 0.000618 -0.000527 0.999999 6.9854 m
 0.000000 0.000000 0.000000 1.0000
  
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram



## Scan '86'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Sensor
sensors: 3096 "barometric transition rotation"
Barometer: 0.993001 bar / 82.339 m
nav translation: -1.3985 m -0.9865 m 16.7733 m accuracies: 7.9645 m 7.9645 m 0.0000 m
nav rotation: 0.0000 0.0000 241.6969 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial position: (0 indoor)
-3.477 -0.880 0.000 -7.230
0.680 -0.474 0.000 -9.436
0.000 0.000 1.000 17.:00
0.000 0.000 0.000 1.000
  
```

Level system info: dynamic compensator available.







# Scan position '88'

Scan position is member of group(s):

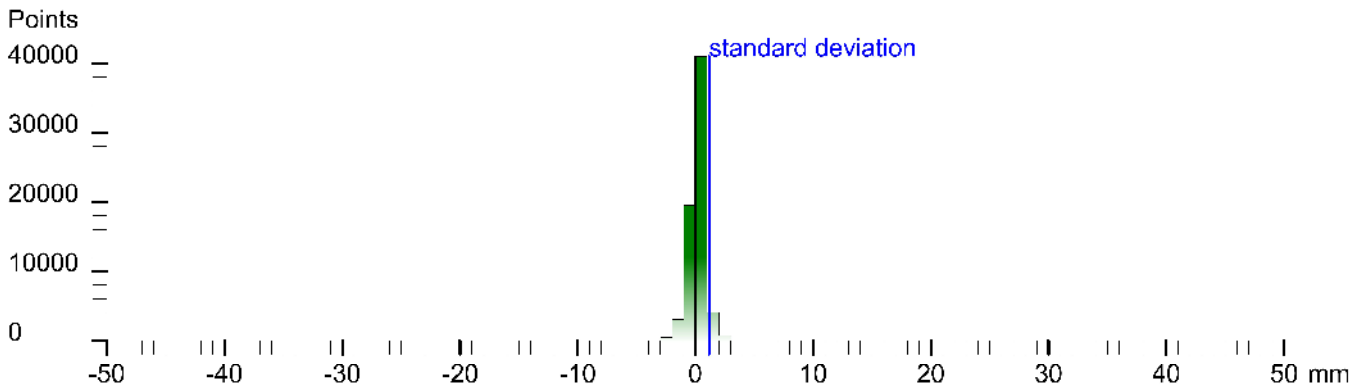
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

0.392159	0.919895	0.002141	12.9101 m
-0.919897	0.392160	-0.000436	10.5701 m
-0.001242	-0.001798	0.999997	8.2264 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.2 mm

## Deviation histogram



## Scan '88'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan comment: null  
Sensor  
sensors: 3096 \*barome or transition rotation\*  
Barometer: 0.993805 bar / 83.149 m  
nav translation: 2.4981 m -5.6682 m 102.7327 m accuracies: 8.2016 m 8.2016 m 0.0000 m  
nav rotation: 0.0000 0.0000 29.4236 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0/door)  
-3.580 0.815 0.000 -10.380  
-0.815 -0.280 0.000 13.832  
0.000 0.000 1.000 12.819  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '89'

Scan position is member of group(s):

Status registration '[10123h] preregistered with cloud to cloud, manually'

Registration matrix:

0.410969	0.911649	0.000009	14.2985 m
-0.911650	0.410968	-0.000916	8.2392 m
-0.000840	0.000369	0.999999	8.2236 m
0.000000	0.000000	0.000000	1.0000

## Scan '89'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

Scan comment: null  
Sensor

sensors: 3096 "barometric (translation: rotation)"

Barometer: 0.993789 bar ~ 63.286 m

nav translation: 0.2126 m -3.5760 m 162.6921 m accuracies: 6.9068 m 6.9068 m 0.0000 m

nav rotation: 0.0000 0.0000 69.9962 accuracies: 0.0000 0.0000 16.0000

upside-down: no

Initial pre position: (0/door)

0.001 1.000 0.000 -0.167

-1.000 0.000 0.000 0.254

0.000 0.000 1.000 12.979

0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '90'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

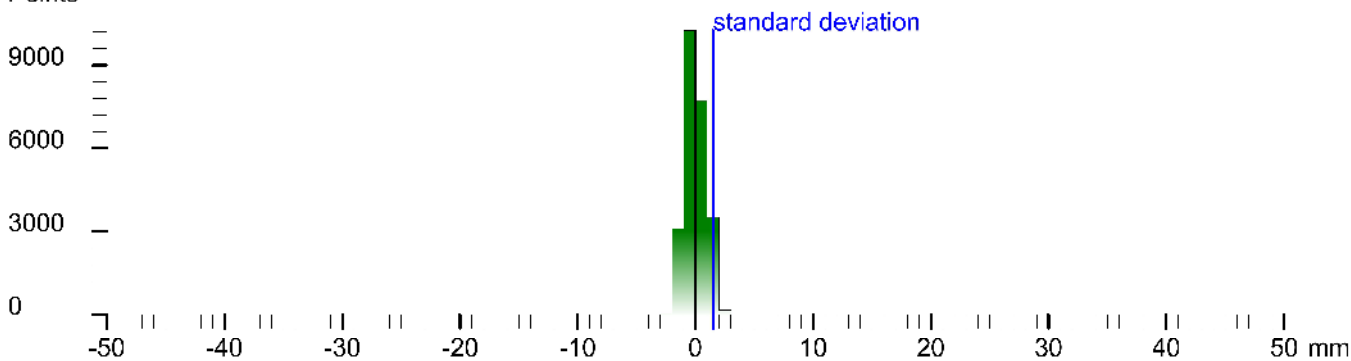
Registration matrix:

```
-0.218544  0.975827  0.000425  15.8215 m
-0.975826 -0.218543 -0.002007  6.4382 m
-0.001867 -0.000854  0.999997  8.2224 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.5 mm

## Deviation histogram

Points



## Scan '90'

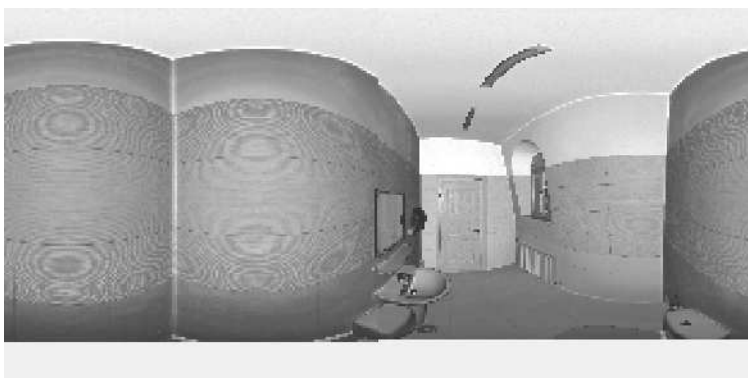
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '90' - member of group(s): '102h' - registered with cloud to cloud
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.993713 bar / 83.932 m
nav translation: -3.1834 m -2.9867 m 163.3521 m accuracies: 6.5/84 m 6.5/84 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
-3.250 0.968 0.000 -10.351
-3.968 -0.250 0.000 7.368
0.000 0.000 1.000 13.738
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '91'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

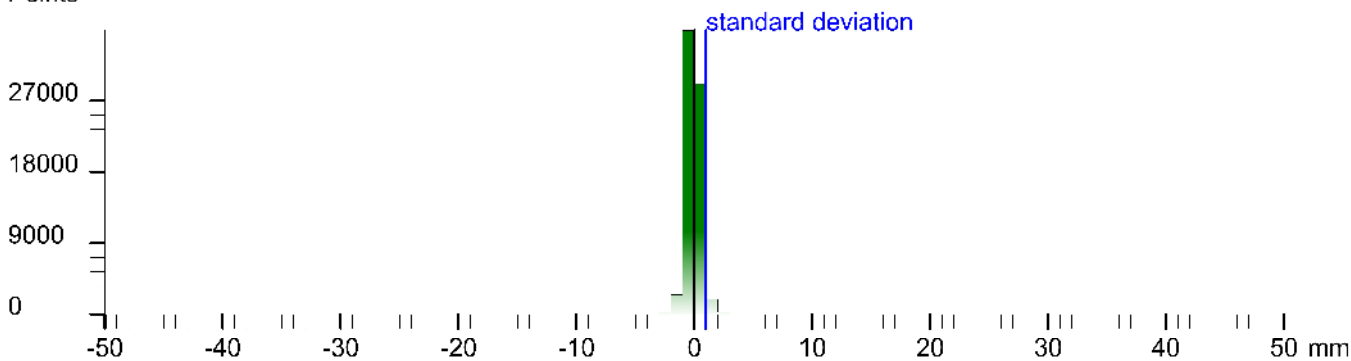
Registration matrix:

0.901490	-0.432799	0.000733	8.8272 m
0.432799	0.901491	0.000359	9.2932 m
-0.000816	-0.000005	0.999999	8.2603 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram

Points



## Scan '91'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
Barometer: 0.993684 bar / 84.175 m  
nav translation: 0.0057 m 2.6107 m 163.0353 m accuracies: 6.5373 m 6.5373 m 0.0000 m  
nav rotation: 0.0000 0.0000 550.161 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.507 -0.498 0.000 -10.315  
0.498 0.867 0.000 10.779  
0.000 0.000 1.000 14.022  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



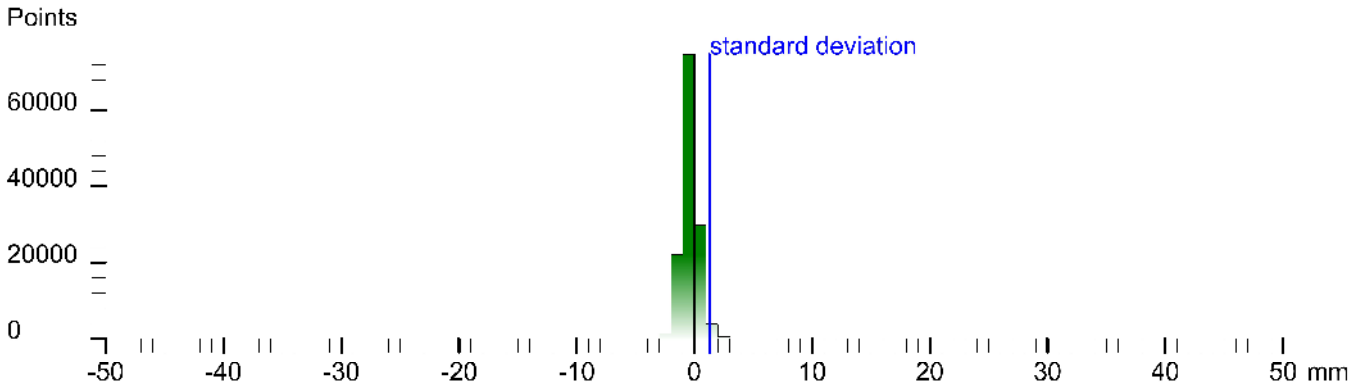
# Scan position '92'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.916273  0.400554  0.000890  6.2834 m
-0.400554 -0.916273 -0.001262  6.4331 m
 0.000309 -0.001514  0.999998  8.2620 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.3 mm

## Deviation histogram



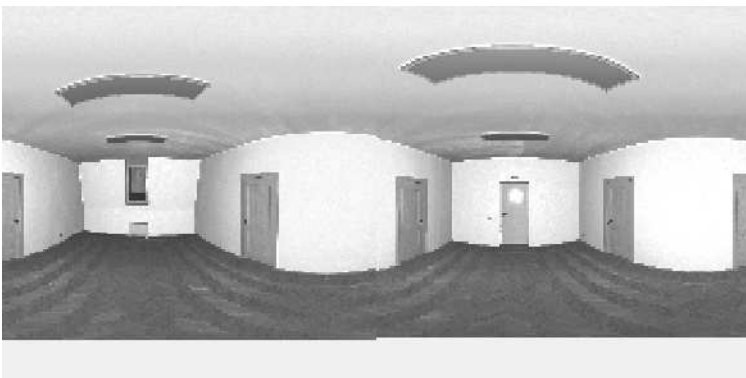
## Scan '92'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: '14082016 10:31' - channel: '14082016 10:31' - scan: '92' - type: 'Cloud to Cloud' - status: 'Registered' - registration: 'cloud to cloud' - resolution: 'High' - quality: 'Normal' - scan resolution: 'High' - scan quality: 'Normal' - scan resolution: 'High' - scan quality: 'Normal'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.993693 bar * 84.10" m
nav translation: -3.4216 m -1.3375 m 163.4923 m accuracies: 5.9182 m 5.8182 m 0.0000 m
nav rotation: 0.0000 0.0000 * 59.2825 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
-3.758 0.652 0.000 -10.767
-0.652 -0.758 0.000 8.642
0.000 0.000 1.000 13.679
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



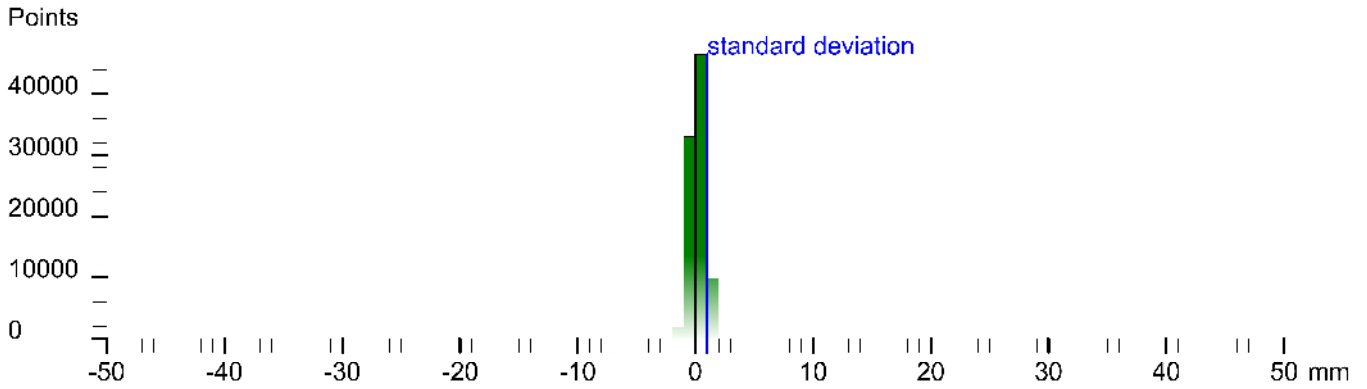
# Scan position '93'

Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.183733 -0.982976 0.000149 5.8659 m  
0.982977 -0.183732 -0.000320 9.3667 m  
0.000344 0.000087 0.999999 8.2648 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



## Scan '93'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan comment: null  
Sensor  
sensors: 3096 \*barometric transition rotation\*  
Barometer: 0.993874 bar / 84.262 m  
nav translation: -1.5170 m 3.5180 m 103.9027 m accuracies: 5.9927 m 5.9927 m 0.0000 m  
nav rotation: 0.0000 0.0000 243.8162 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0/door)  
-3.441 -0.887 0.000 -12.284  
0.697 -0.441 0.000 9.460  
0.000 0.000 1.000 14.298  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.









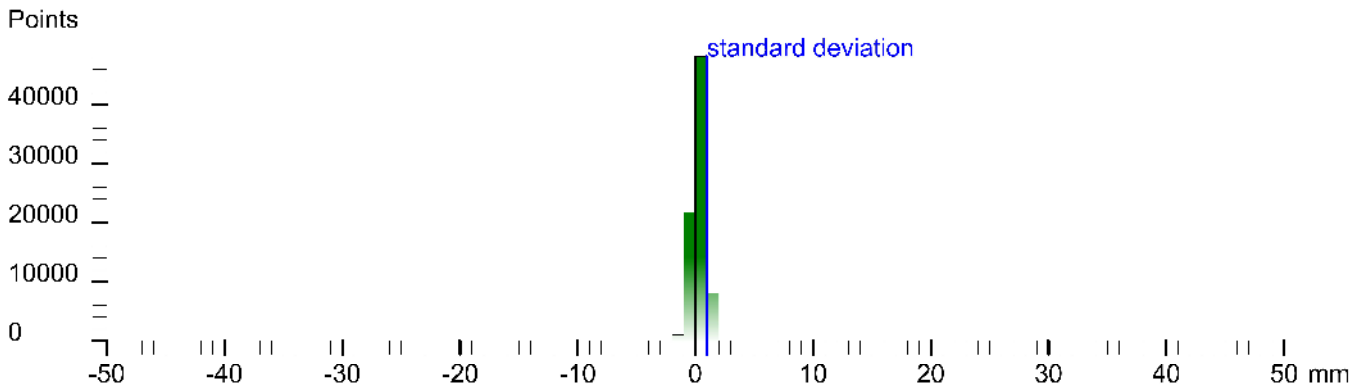
# Scan position '96'

Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.308233 -0.951311 -0.000315 3.5025 m
0.951311 -0.308233 -0.000744 6.9478 m
0.000612 -0.000530 0.999999 8.2645 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



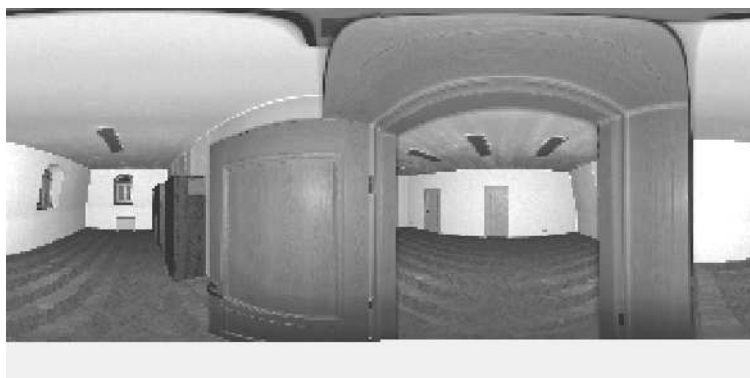
## Scan '96'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan position: '148' - name: '148' - scan: '96' - type: 'Cloud to Cloud' - registration: 'cloud to cloud' - resolution: 'High' - quality: 'Normal' - sensor: 'Z+F IMAGER 5016' - serial: '5016-0100' - firmware: '9.0.3.6562-0' - scan resolution: 'High' - quality: 'Normal'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.993867 bar / 84.318 m
nav translation: -5.0776 m -3.6736 m 163.8288 m accuracies: 8.6771 m 8.6771 m 0.0000 m
nav rotation: 0.0000 0.0000 234.7959 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0 indoor)
-3.576 -0.817 0.000 -21.530
0.617 -0.576 0.000 6.921
0.000 0.000 1.000 14.316
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.







# Scan position '99'

Scan position is member of group(s):

Status registration '[102h] registered with cloud to cloud'

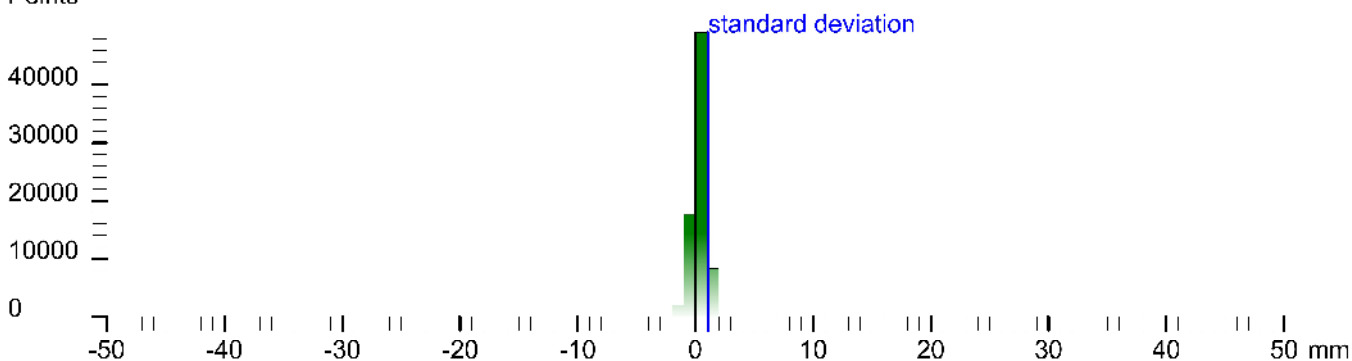
Registration matrix:

```
0.982552 0.185984 0.001617 7.5397 m
-0.185983 0.982553 -0.000847 3.9842 m
-0.001747 0.000533 0.999998 8.2630 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.1 mm

## Deviation histogram

Points



## Scan '99'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

**Metadata**    **Value**  
**comment**  
**operator**

```
Scan comment: null  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.993553 bar / 85.287 m  
nav translation: 2.4322 m -1.0763 m 104.3369 m accuracies: 6.4326 m 6.4326 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.4191 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0/door)  
0.981 0.181 0.000 -23.595  
-0.181 0.984 0.000 6.653  
0.000 0.000 1.000 14.774  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Labels

No labels stored in project

# Links

No links stored in project



# Summary

Number of scans: **105** used in **105** scan positions

Point clouds: **0**

Scans with color: **0** mapped **0**

Scans with thermal data: **0** mapped **0**

Scans with errors:**0** warnings:**0** messages:**0**

Missed or corrupted scans files: **0**

Scanners used in the project: **5016-0100**

**0** known targets used

**0** targets used in **0** of **105** scan positions

First scan taken at: **19.4.2023 08:20::07** last scan at: **20.4.2023 13:01:23**

Duration: **1d 4h 41min 16sec**