

# Project report

Date: Tue Oct 26 2021 13:28:31  
Build with: Z+FLaserControl 9.0.2.24038  
Project: Muzeul Bisericesc Eparhial Buzau  
Master scan position: 1

206 of 217 scan positions used for registration.  
206 of 217 scans registered.

## Quality standard deviation of the cloud to cloud registration

d:3.80 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:

```
-0.958318 -0.285705 0.000000 0.0000 m  
0.285705 -0.958318 0.000000 0.0000 m  
0.000000 0.000000 1.000000 0.0000 m  
0.000000 0.000000 0.000000 1.0000
```

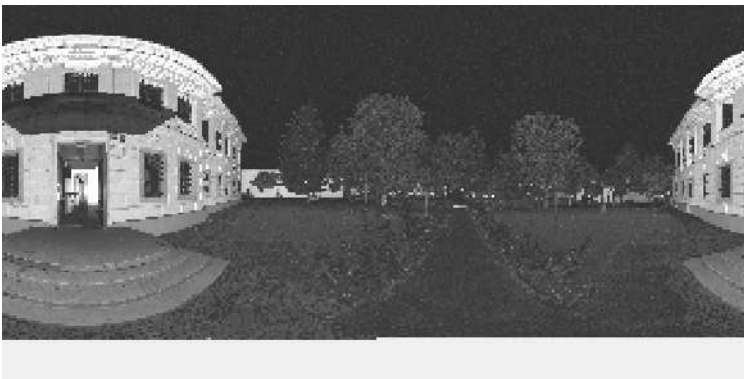
## Scan '1'

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

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

```
Scan comment: null  
Sensor  
sensors: 3100 *barometric transfer: rotation gps  
Barometer: 1,003983 bar 77,4367 m  
nav translation: 0,0000 m 0,0000 m 77,01' 0 m accuracies: 5,1000 m 5,1000 m 0,0000 m  
nav rotation: 0,00000 0,00000 * 96,36770 accuracies: 0,00000 0,00000 15,00000  
upside-down: no  
GPS lat:45.167952 long:26.819399 satellites:4 height:131.3m hdpv:3.1 vdcv:3.8m hacc: 2.0m vacv:13.0 tags:G3 stand alone 3D solution  
north:5000416.362 m east:486804.883 m zone:35T  
Initial pre position (300..toor)  
-0.958 -0.286 0,000 0,000  
0.286 -0.958 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'

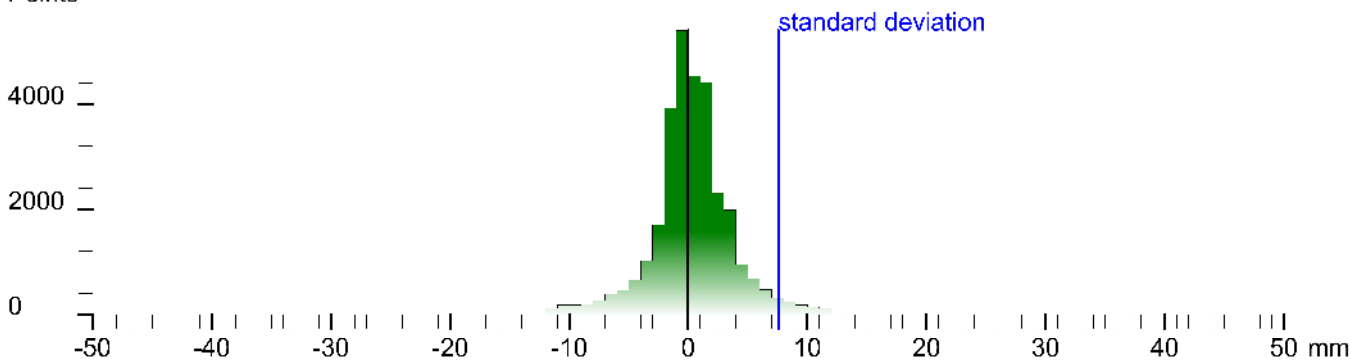
Registration matrix:

```
-0.153879  0.988090  0.000738  -6.7792 m
-0.988091 -0.153878 -0.000100 -26.3507 m
0.000015 -0.000745  1.000000   0.6343 m
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 7.6 mm

## Deviation histogram

Points



## Scan '10'

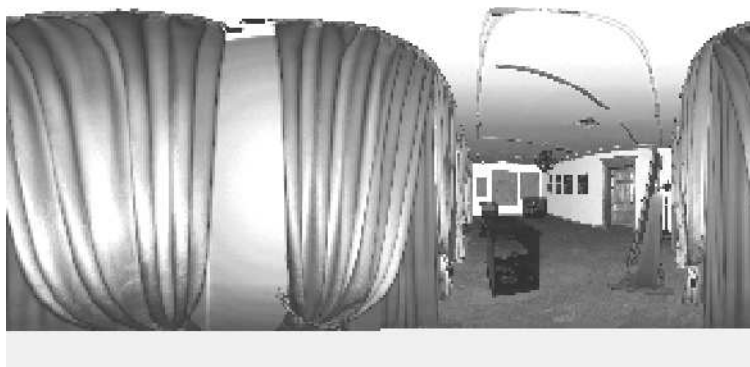
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan on name: '10' scan id: '102h' scan date: '10/20/2016' scan time: '10:20:00' scan location: 'MandBachhaus-Epfling-Baumhof' scan status: 'MandBachhaus-Epfling-Baumhof' scan type: 'Cloud to Cloud' scan quality: 'High' scan resolution: 'Normal' scan format: '32-bit'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.004124 bar 78.254 m
nav translation: 0.0000 0.0000 0.0000 m accuracies: 6.0809 m 6.0809 m 0.0000 m
nav rotation: 0.0000 0.0000 9.7292 / accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (Girdoor)
-3.127 0.982 0.000 -13.605
-0.992 -0.127 0.000 3.008
0.000 0.000 1.000 -0.344
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '100'

Scan position is member of group(s):

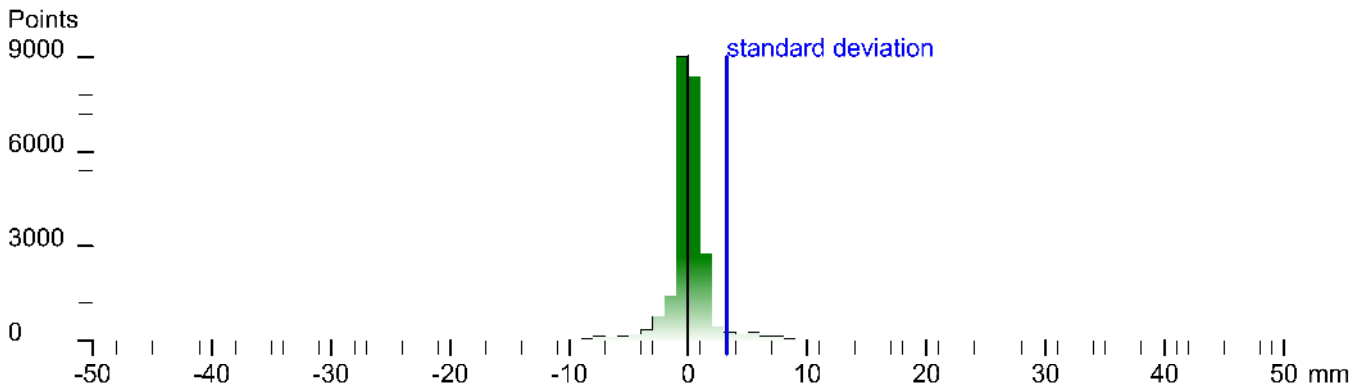
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

```
0.411313 0.911495 -0.000106 -16.7980 m
-0.911496 0.411313 -0.000439 -4.7151 m
-0.000356 0.000277 1.000000 10.6527 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.2 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	Value
---------	-------

```
operator  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.003477 bar 81.6788 m  
nav translation: -3.6184 m -0.3018 m 81.0069 m accuracies: 6.9782 m 5.9782 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 /s. /148 accuracies: 0.0000 0.0000 0.0000  
upside-down: no  
Initial pre position: (0:door)  
0.247 0.968 0.000 2.7 G  
-0.968 0.247 0.000 35.180  
0.000 0.000 1.000 3.988  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '101'

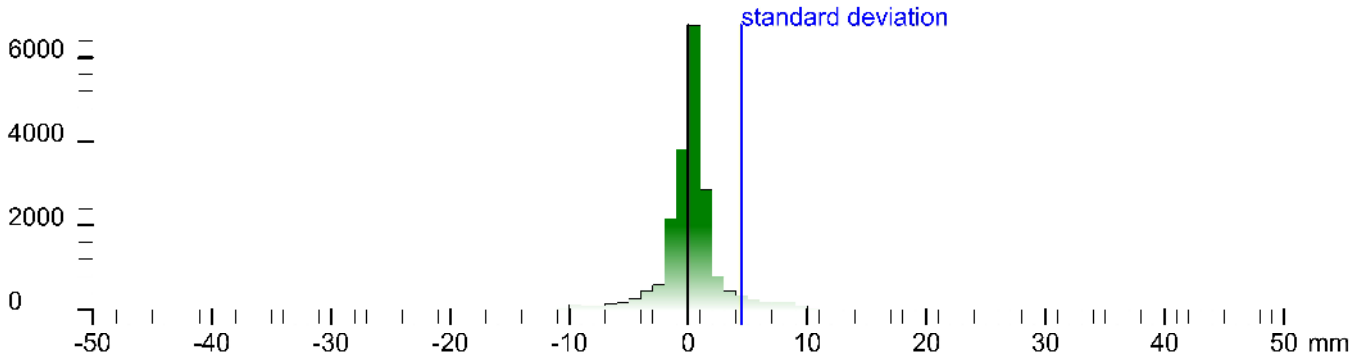
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.900921 -0.433857 0.010491 -19.7510 m
0.433949 -0.900896 0.008832 -5.1010 m
0.005620 0.012509 0.999906 10.8091 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.4 mm

### Deviation histogram

Points



### Scan '101'

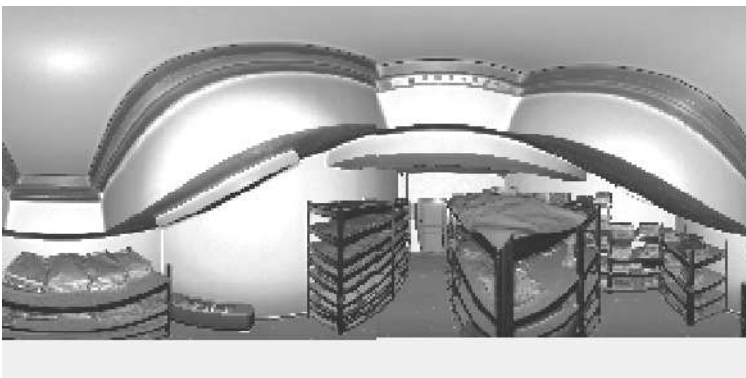
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata Value  
 comment  
 operator

Scan comment: col 1:000000 2:000000 3:000000 4:000000 5:000000 6:000000 7:000000 8:000000 9:000000 10:000000 11:000000 12:000000 13:000000 14:000000 15:000000 16:000000 17:000000 18:000000 19:000000 20:000000 21:000000 22:000000 23:000000 24:000000 25:000000 26:000000 27:000000 28:000000 29:000000 30:000000 31:000000 32:000000 33:000000 34:000000 35:000000 36:000000 37:000000 38:000000 39:000000 40:000000 41:000000 42:000000 43:000000 44:000000 45:000000 46:000000 47:000000 48:000000 49:000000 50:000000

Sensors: 3096 \*barome or transition rotation\*  
 Barometer: 1.003405 bar 62.284 m  
 nav translation: 0.1831 m -1.1776 m 81.8641 m accuracies: 5.8396 m 5.8396 m 0.0001 m  
 nav rotation: 0.0000 0.0000 0.0000 \*94.4108 accuracies: 0.0000 0.0000 15.0000  
 upside-down: no  
 Initial pos position: (0/door)  
 -0.968 -0.249 0.000 3.799  
 0.249 -0.968 0.000 3.799  
 0.000 0.000 1.000 4.835  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



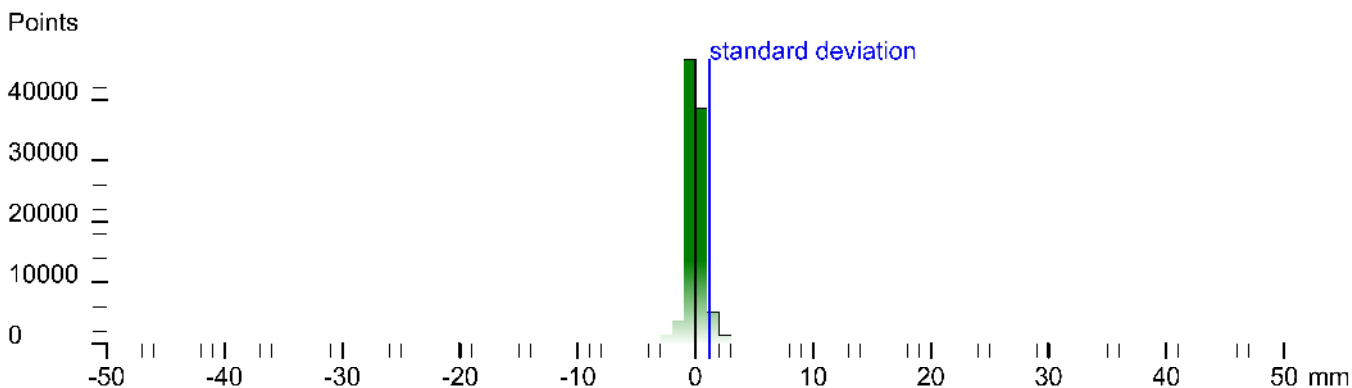
# Scan position '102'

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

```
-0.894364 -0.447340 -0.000814 -13.4005 m
 0.447341 -0.894364 -0.000540 -7.2727 m
-0.000486 -0.000847 1.000000 10.3197 m
 0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.2 mm

## Deviation histogram



## Scan '102'

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 name: 'LiDAR Sensor' serial: '140' scan speed: '02' pitch: 'M.Lens: Blue base Epulior Base' color: 'M.Lens: Blue base Epulior Base' optical: 'Empire' 'New' sensor type: 'temperature: 20' sensor type: 'operator' system: 'LiDAR Sensor' (ready status: 4) len: '0' to: '181' altitude: '20' for: '340'

Sensor  
 sensors: 3096 "barometric transition rotation"  
 Barometer: 1.003300 bar 83.18+3 m  
 nav translation: -3.09'6 m -1.3123 m 82.7433 m accuracies: 7.1791 m 7.1791 m 0.0005 m  
 nav rotation: 0.0000 0.0000 221.4+66 accuracies: 0.0000 0.0000 1s.0000  
 up/down: no  
 Initial pos position: (0 indoor)  
 -3.748 -0.662 0.000 3.741  
 0.662 -0.129 0.000 29.693  
 0.000 0.000 1.000 5.725  
 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:

```

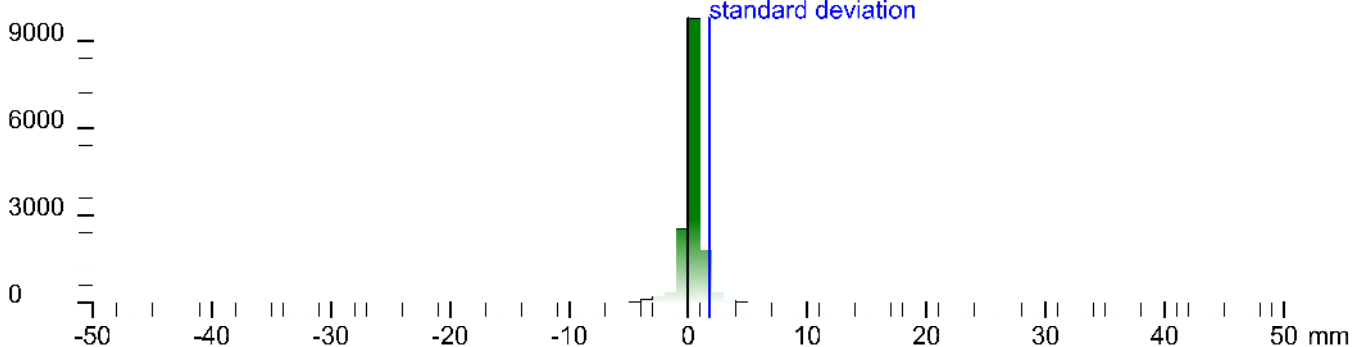
-0.785501  0.618861  -0.000999  -13.9483 m
-0.618860  -0.785502  -0.000858  -9.1042 m
-0.001316  -0.000056  0.999999  10.2842 m
0.000000  0.000000  0.000000  1.0000

```

Result registration cloud to cloud standard deviation: 1.8 mm

### Deviation histogram

Points



### 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

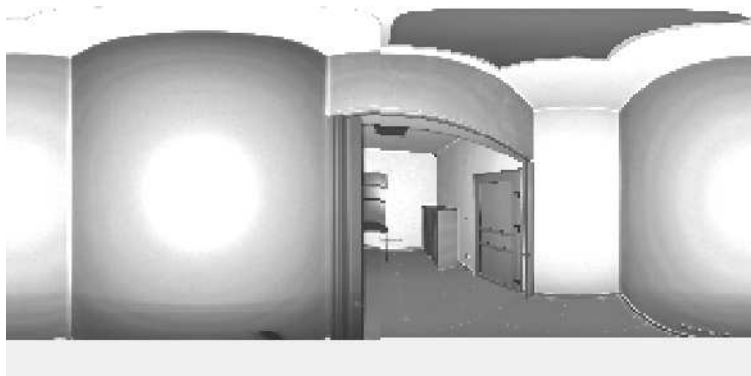
operator

```

Sensor:
  sensors: 3096 *barometric transition rotation*
  Barometer: 1.003188 bar 24.1057 m
  nav translation: -3.4833 m 2.4775 m 83.2866 m accuracies: 6.3709 m 6.3709 m 0.0000 m
  nav rotation: 0.0000 0.0000 0.73825 accuracies: 0.0000 0.0000 15.0000
  up/down: no
  Initial pre position: (Girdoor)
    -3.927 0.381 0.000 2.661
    -0.381 -0.924 0.000 32.167
    0.000 0.000 1.000 6.768
    0.000 0.000 0.000 1.000

```

Level system info: dynamic compensator available.



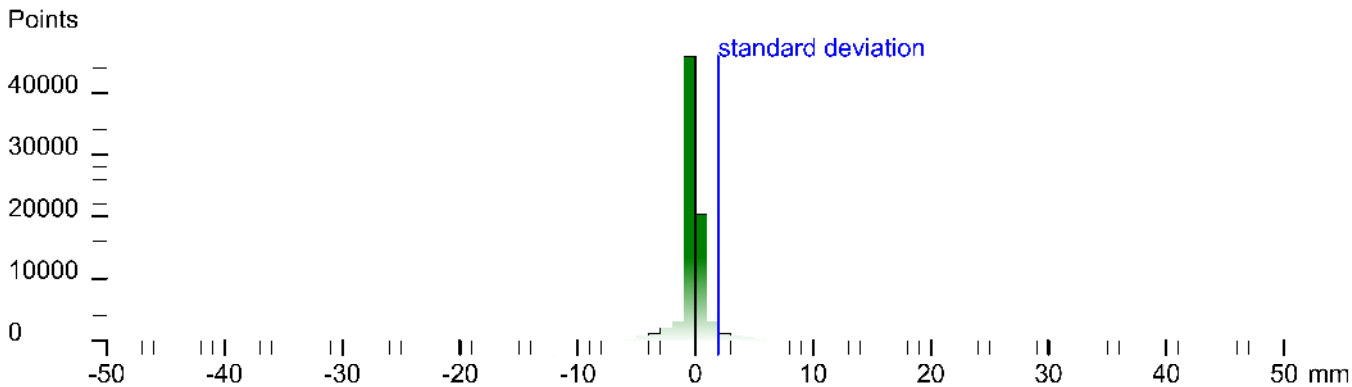
# Scan position '104'

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

```
-0.725344  0.688386  -0.000938  -15.5972 m
-0.688386  -0.725345  -0.000655  -8.3464 m
-0.001131  0.000171  0.999999  10.2836 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.9 mm

## Deviation histogram



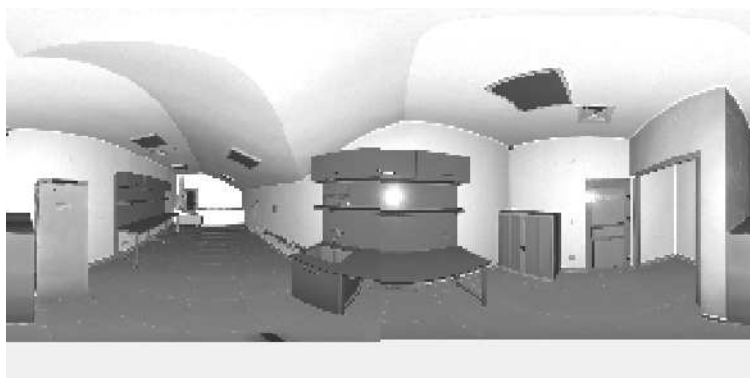
## Scan '104'

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 comment: '104'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.003135 bar 24.5509 m
nav translation: -3.3084 m 2.2159 m 8'.17'5 m accuracies: 5.251' m 0.2514 m 0.0000 m
nav rotation: 0.0000 0.0000 *31.7654 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0 indoor)
-3.666 0 7'6 0.000 2.293
-3.746 -0.666 0.000 34.382
0.000 0.000 1.000 7.153
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





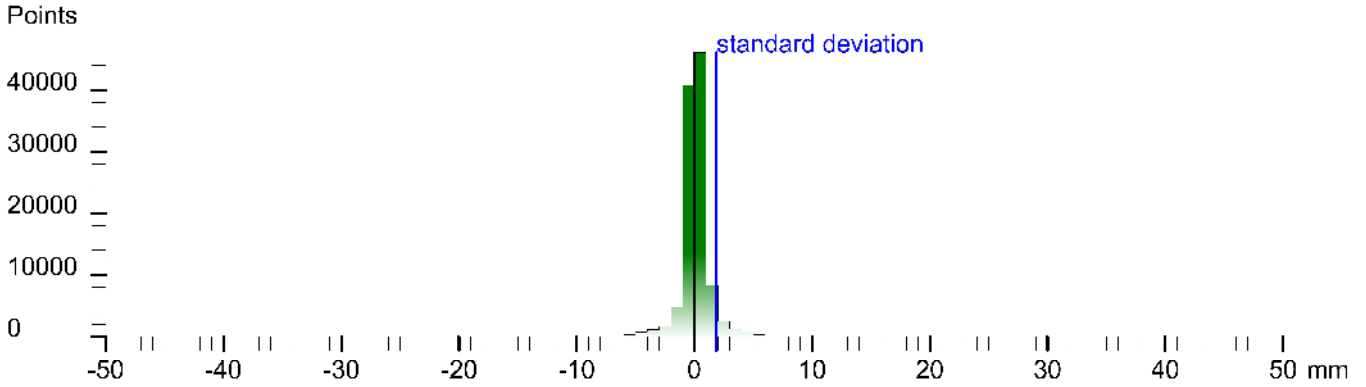
# Scan position '105'

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

```
-0.998207  0.059850  -0.001245  -18.9859 m
-0.059848  -0.998208  -0.001242  -12.1068 m
-0.001317  -0.001166  0.999999   10.2713 m
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 1.9 mm

### Deviation histogram



### Scan '105'

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>	

```

Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.003159 bar 84.3488 m
nav translation: -1.1011 m 2.2021 m 83.8889 m accuracies: 0.3524 m 0.3524 m 0.3000 m
nav rotation 0.0000 0.0000 0.0000 /s/ /099 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Gardoor)
-3.987 0.075 0.000 -1.132
-3.07s -0.987 0.000 36.58s
0.000 0.000 1.000 6.870
0.000 0.000 0.000 1.000
  
```

Level system info: dynamic compensator available.



# Scan position '106'

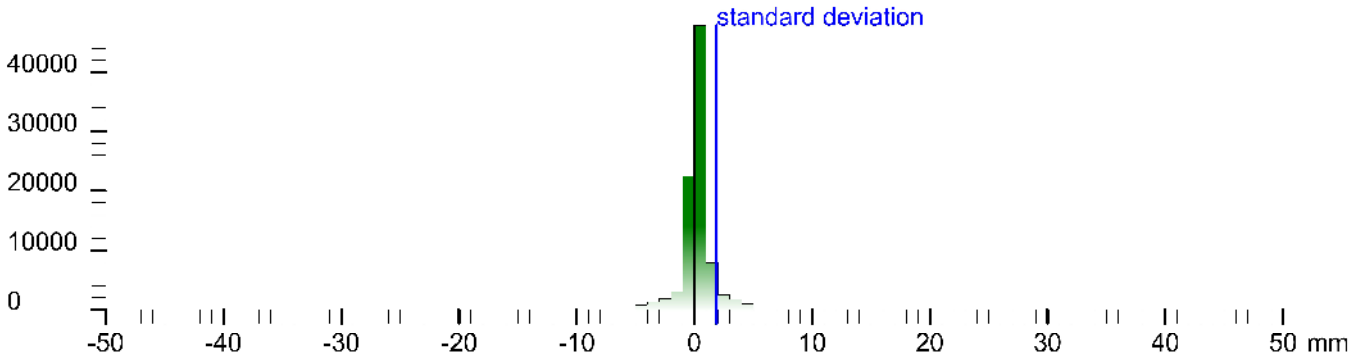
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.616994 -0.786967 -0.001557 -21.0753 m
 0.786969 -0.616994 -0.000558 -10.5543 m
-0.000521 -0.001570  0.999999  10.2769 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.9 mm

## Deviation histogram

Points



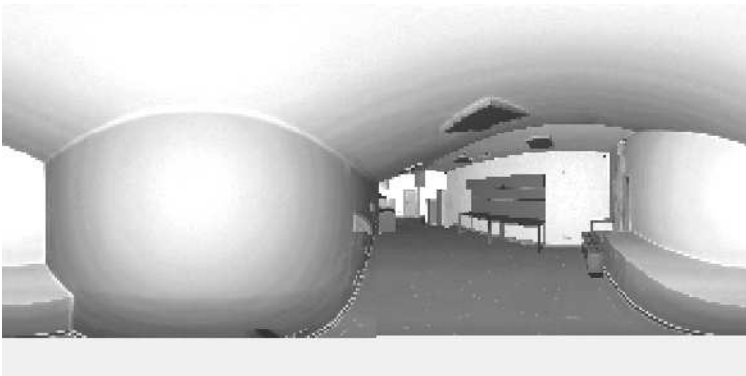
## Scan '106'

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

Metadata	Value
comment	
operator	

```
Sensor name: 'Z+F IMAGER 5016' serial: '5016-0100' firmware: '9.0.3.6562-0'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.003151 bar 84.4178 m
nav translation: 0.105 m 1.3805 m 8.416° 1 m accuracies: 5.8167 m 5.8167 m 0.0002 m
nav rotation: 0.0000 0.0000 258.7802 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0 indoor)
-3.195 -0.98° 0.000 1.242
0.981 -0.19s 0.000 3.966
0.000 0.000 1.000 7.14°
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '107'

Scan position is member of group(s):

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

Registration matrix:

0.844879	0.534960	-0.000546	-8.1434 m
-0.534960	0.844878	-0.000583	-8.7414 m
0.000149	0.000785	1.000000	10.2942 m
0.000000	0.000000	0.000000	1.0000

## Scan '107'

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

Scan resolution 'High' quality 'Normal'

### Metadata Value

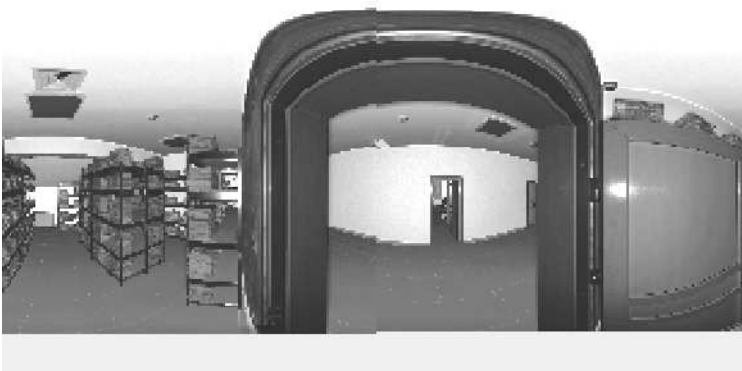
comment

operator

scan comment: null  
Sensor: 3096 \* barometric (translation: rotation)  
Sensor

Sensors: 3096 \* barometric (translation: rotation)  
Barometer: 1.003084 bar 85.1432 m  
nav translation: -2.8919 m -3.5147 m 87.58° 7 m accuracies: 7.5306 m 7.5306 m 0.0000 m  
nav rotation: 0.00000 0.0000 43.09753 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0:indoor)  
0.731 0.082 0.000 -1.650  
-0.689 0.731 0.000 34.121  
0.000 0.000 1.000 7.563  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '108'

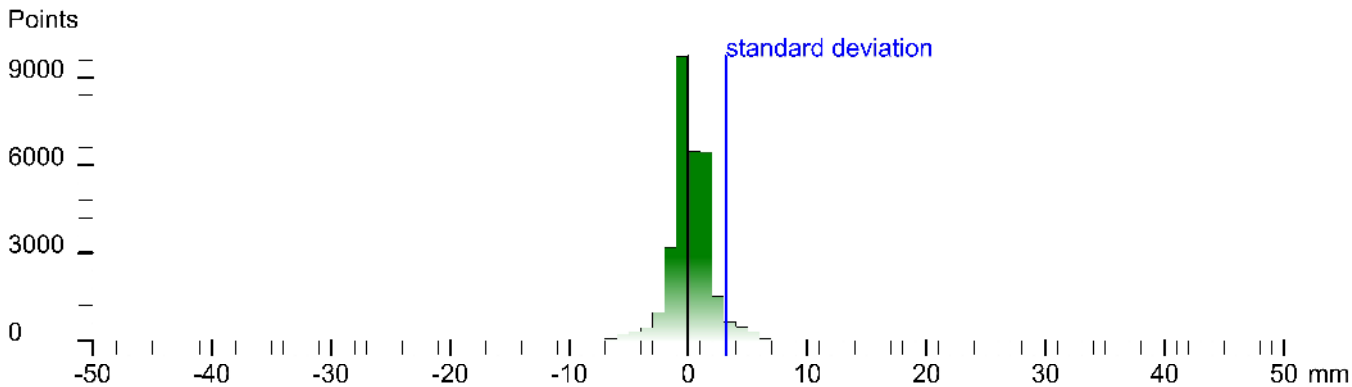
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.992542  0.121909  -0.000484  -5.0180 m
-0.121909  0.992542  -0.000321  -6.8019 m
0.000441  0.000377  1.000000  10.7123 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 3.1 mm

## Deviation histogram



## Scan '108'

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: 1.003015 bar 85.5585 m
nav translation: -1.3770 m -3.5004 m 85.1976 m accuracies: 7.0528 m 7.0528 m 0.0000 m
nav rotation: 0.0000 0.0000 *5.08e-6 accuracies: 0.0000 0.0000 0.0000
upside-down: no
Initial pre position: (Gardoor)
0.866 0.260 0.000 -3.027
-0.260 0.966 0.000 -0.000
0.000 0.000 1.000 8.479
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



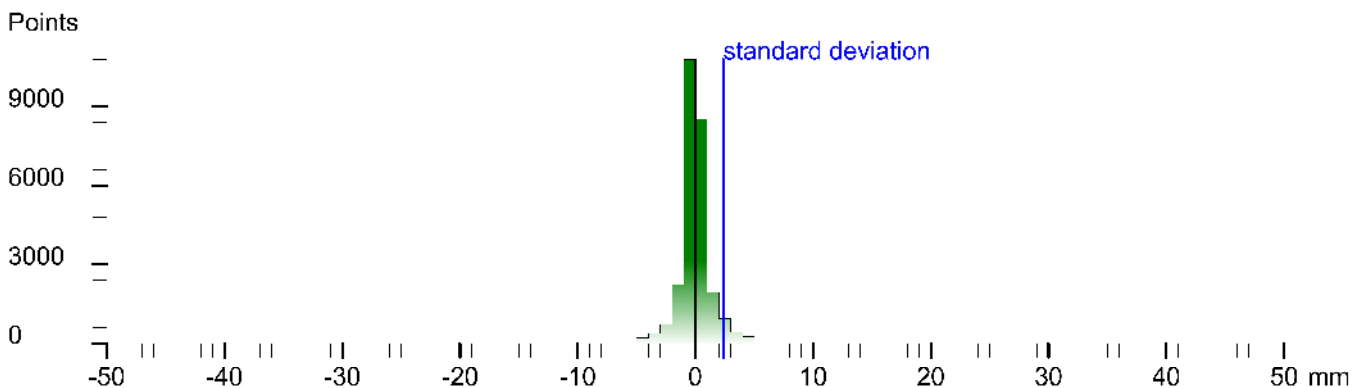
# Scan position '109'

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

```
0.775291 -0.631605 -0.000336 -3.7726 m  
0.631605 0.775291 -0.000530 -8.6791 m  
0.000596 0.000199 1.000000 10.7110 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:2.4 mm

## Deviation histogram



## Scan '109'

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: '109' - name: '109' - group: '102h' - M.Lat: 48.99999999999999 M.Lon: 10.000000000000000 M.Alt: 3.000000000000000  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.002971 bar 85.9277 m  
nav translation: -3.5056 m -1.7185 m 85.0050 m accuracies: 7.5134 m 7.5134 m 0.0001 m  
nav rotation: 0.0000 0.0000 538.3e2 / accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
0.929 0.369 0.000 -3.532  
0.369 0.928 0.000 25.606  
0.000 0.000 1.000 8.587  
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'

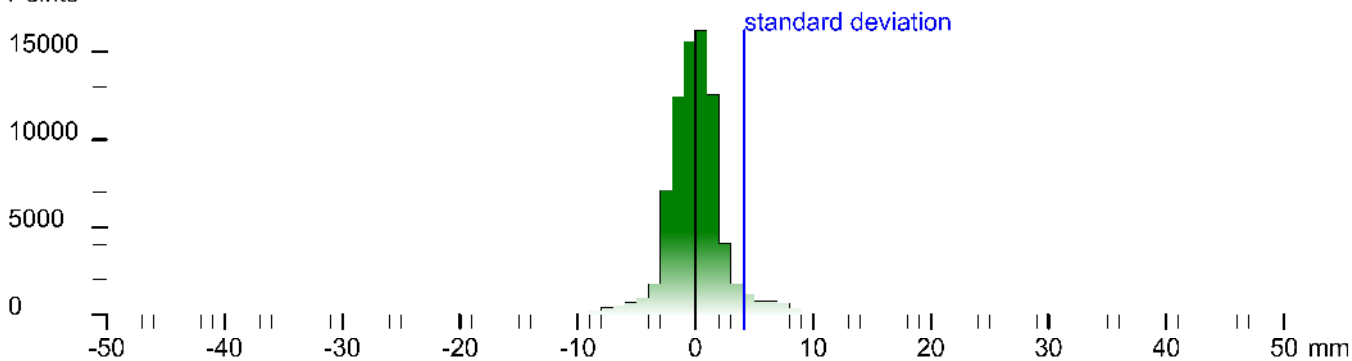
Registration matrix:

```
-0.997737  0.067254  0.000235 -10.5562 m
-0.067254 -0.997737 -0.000069 -21.0542 m
0.000229 -0.000085  1.000000  0.6342 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:4.2 mm

## Deviation histogram

Points



## Scan '11'

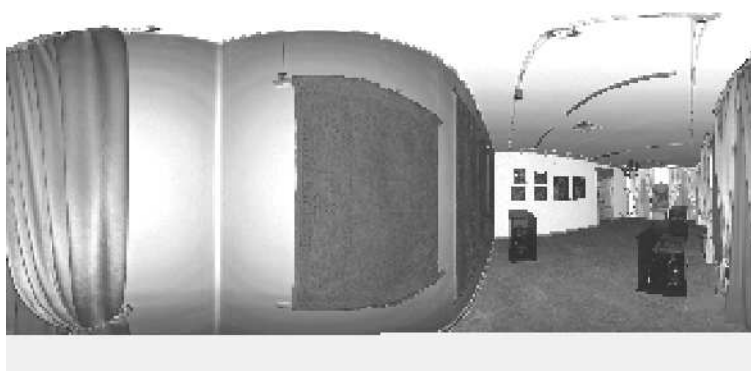
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
 Barometer: 1.004113 bar 76.3439 m  
 nav translation: 1.2493 m 2.2323 m 76.3742 m accuracies: 6.409 / m 6.409 / m 0.0000 m  
 nav rotation: 0.0000 0.0000 0.0000 \*60.1770 accuracies: 0.0000 0.0000 1s.0000  
 up/down: no  
 Initial pos position: (Girdoor)  
 -3.967 0.256 0.000 -12.355  
 -0.286 -0.967 0.000 1s.240  
 0.000 0.000 1.000 -0.937  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '110'

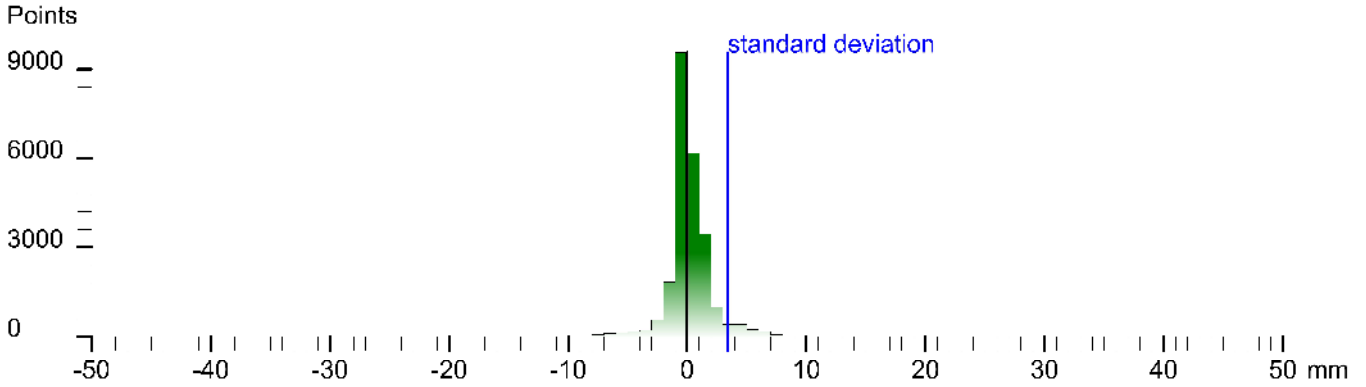
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.201531  0.979482  0.000325  -5.9161 m
-0.979483  0.201531  -0.000876  -10.2239 m
-0.000923  -0.000142  0.999999  10.7658 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation:3.4 mm

## Deviation histogram



## Scan '110'

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: '110' - name: '110' - status: '110' - type: 'M...'.
Sensor
sensors: 3096 *barometer (rotation)
Barometer: 1.003004 bar 85.6485 m
nav translation: 1.0987 m 0.0599 m 85.5069 m accuracies: 5.6881 m 5.6881 m 0.0000 m
nav rotation: 0.0000 0.0000 95.9824 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position: (Girdoor)
-3.068 0.988 0.000 -2.433
-0.998 -0.069 0.000 24.862
0.000 0.000 1.000 8.548
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '111'

Scan position is member of group(s):  
 Status registration '[10123h] preregistered with cloud to cloud, manually'  
 Registration matrix:

```
0.467464 -0.883990 -0.006414 -3.6598 m
0.884008 0.467425 0.006739 -13.9719 m
-0.002959 -0.008820 0.999957 10.2742 m
0.000000 0.000000 0.000000 1.0000
```

## Scan '111'

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: [10123h] preregistered with cloud to cloud, manually
Sensor
sensors: 3086 *barometric (translation: rotation)
Barometer: 1.002841 bar 86.1748 m
nav translation: -3.6514 m 0.7652 m 85.8694 m accuracies: 5.6777 m 5.6777 m 0.0000 m
nav rotation: 0.00000 0.0000 298.4794 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0/indoor)
0.476 -0.879 0.000 -3.085
0.879 0.476 0.000 26.627
0.000 0.000 1.000 8.851
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '112'

Scan position is member of group(s):

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

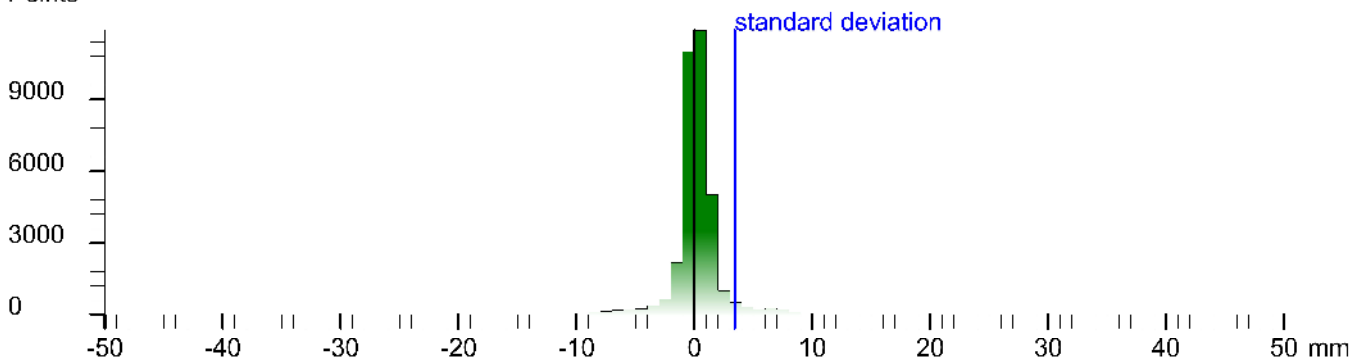
Registration matrix:

```
-0.358981 -0.933321 -0.006809 -4.3243 m  
0.933308 -0.359022 0.006370 -11.9853 m  
-0.008390 -0.004068 0.999957 10.8866 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 3.4 mm

## Deviation histogram

Points



## Scan '112'

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: 112  
Sensor: Z+F IMAGER 5016  
Sensors: 3096 *barometric transition rotation*  
Barometer: 1.002846 bar 88.9774 m  
nav translation: 3.5906 m 0.562 m 80.4519 m accuracies: 7.2155 m 7.2155 m 0.0000 m  
nav rotation: 0.0000 0.0000 257.9367 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pos position (0 indoor)  
-3.208 -0.978 0.000 0.812  
0.978 -0.209 0.000 26.784  
0.000 0.000 1.000 9.433  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



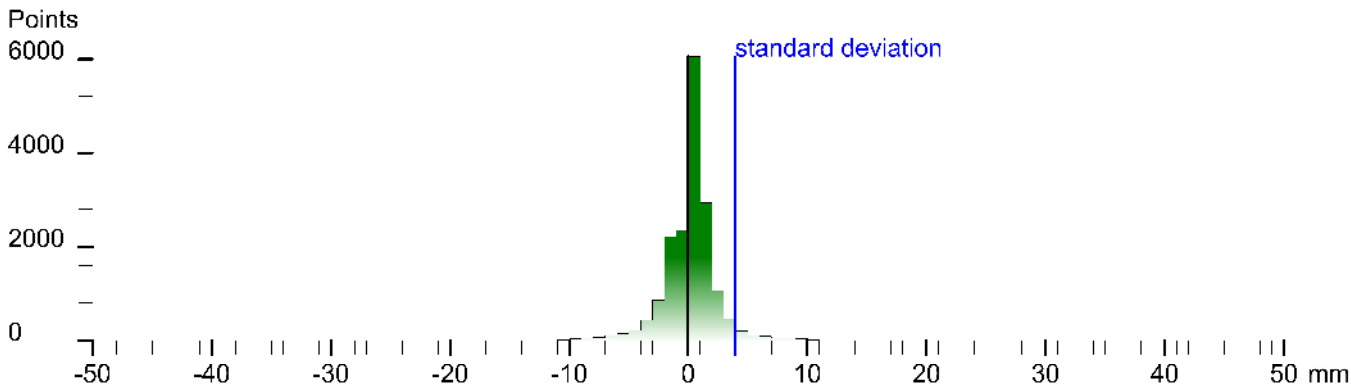
# Scan position '113'

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

```
-0.067292 -0.997715 -0.006154 -1.4943 m  
0.997707 -0.067335 0.007006 -10.9938 m  
-0.007404 -0.005668 0.999957 10.6150 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.9 mm

## Deviation histogram



## Scan '113'

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: '113' - name: '113' - scan: '113' - type: 'Normal' - status: 'Registered with cloud to cloud' - registration matrix: '[[[-0.067292, -0.997715, -0.006154, -1.4943], [0.997707, -0.067335, 0.007006, -10.9938], [-0.007404, -0.005668, 0.999957, 10.6150], [0.0, 0.0, 0.0, 1.0]]]' - standard deviation: 3.9 mm  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.002884 bar 88.6542 m  
nav translation: 5.2750 m 2.2802 m 80.5748 m accuracies: 3.0593 m 3.0593 m 0.0009 m  
nav rotation: 0.0000 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.551 -0.835 0.000 6.187  
0.630 0.001 0.000 29.070  
0.000 0.000 1.000 9.526  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '115'

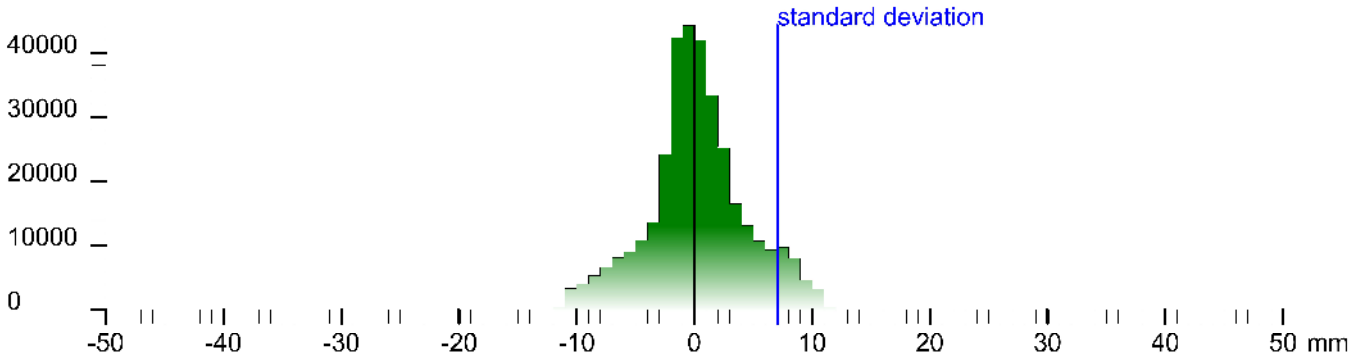
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

0.992963	0.117115	0.017594	-15.6105 m
-0.117183	0.993107	0.002880	18.1478 m
-0.017135	-0.004922	0.999841	4.0292 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 7.0 mm

## Deviation histogram

Points



## Scan '115'

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: local file: Full Scanfile Name: '115' File: 120-Full1340461117-Full_Voxel_Elastic_Em_1418.asx Project: Local Elastic_Em_1418.asx Sensor: '115' Scanfile: '115' Scanfile Name: '115' Scanfile Path: '115' Scanfile Size: 192,168,825 bytes Z+F Laser Sensor  
sensors: 3096 *barometric (transition rotation)  
Barometer: 1.003564 bar 80.9477 m  
nav translation: 19.1347 m 17.0623 m 77.4396 m accuracies: 17.3439 m 17.3439 m 0.0001 m  
nav rotation: 0.0000 0.0000 3.3673 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pos position: (Girdoor)  
0.973 0.231 0.000 26.789  
-0.231 0.973 0.000 41.944  
0.000 0.000 1.000 0.470  
0.000 0.000 0.000 1.000
```

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





# Scan position '118'

Scan position is member of group(s):

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

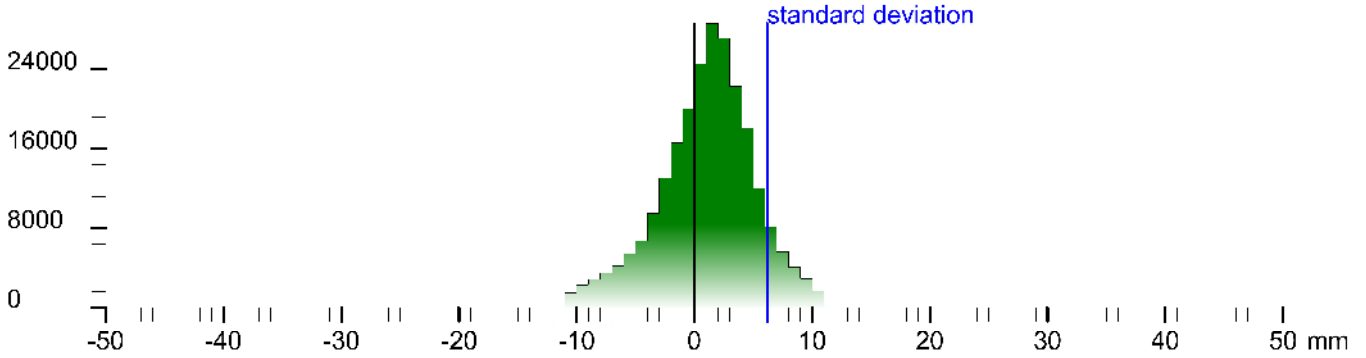
Registration matrix:

```
-0.440828 -0.897592 0.000282 -7.0216 m
0.897575 -0.440819 0.006074 -31.7523 m
-0.005327 0.002931 0.999982 3.9174 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:6.2 mm

## Deviation histogram

Points



## Scan '118'

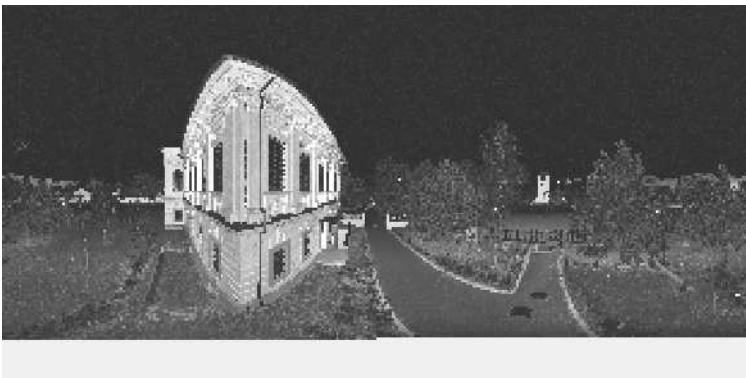
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

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

```
comment operator
Sensor
sensors: 3100 *barometric transducer rotation: gps
Barometer: 1.003428 bar 62.0889 m
nav translation: 0.0000 m 0.0000 m 78.1973 m accuracies: 5.1000 m 5.1000 m 0.0001 m
nav rotation: 0.0000 0.0000 248.1461 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat:45.157104 long:26.819252 satellites:7 height:136.7m hdop:*.6 vldcp:2.1m hacc:4.1m vacc:5.6 flags:G3 'stand alone 3D solution'
Initial pre position (3co. tcoord):
-0.377 -0.878 0.000 -18.453
0.920 -0.372 0.000 -24.461
0.000 0.000 1.000 2.179
0.000 0.000 0.000 1.000
```

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



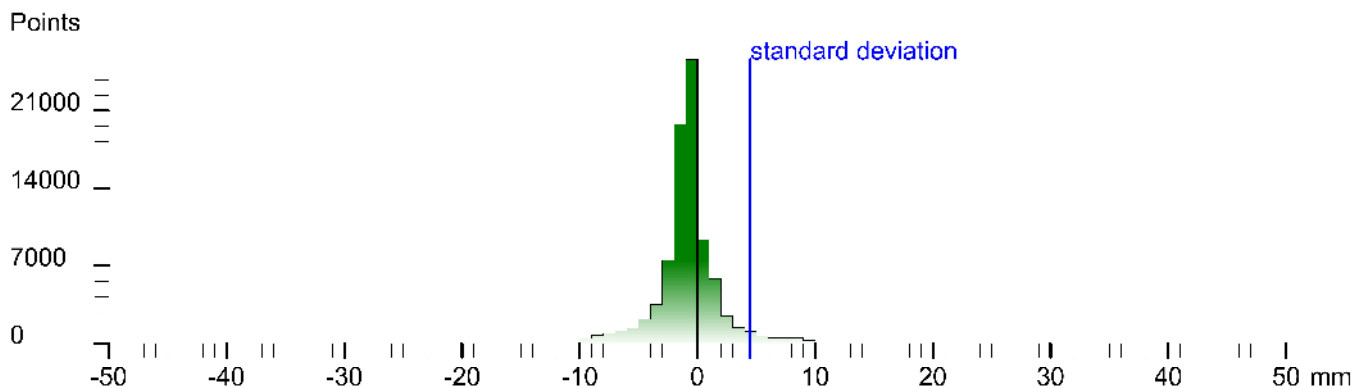
# Scan position '12'

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

```
-0.298574 -0.954387 0.000358 -5.6208 m  
0.954387 -0.298574 0.000061 -21.3684 m  
0.000048 0.000360 1.000000 0.6265 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 4.5 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 position: '12' of group '12' of scan '12' of project '12' of station '12' of date '12-12-2012' of time '12:12:12' of user '12' of system '12' of version '12' of status '12' of quality '12' of accuracy '12' of resolution '12' of scan '12'
```

Sensors: 3096 \* barometer (transition rotation)  
Barometer: 1.004087 bar 78.5659 m  
nav translation: -1.9032 m -0.4898 m 76.3637 m accuracies: 6.1152 m 6.1152 m 0.0000 m  
nav rotation: 0.0000 0.0000 249.4120 accuracies: 0.0000 0.0000 16.0000  
upside-down: no  
Initial pre position: (0 indoor)  
-0.352 -0.936 0.000 -11.259  
0.936 -0.352 0.000 4.130  
0.000 0.000 1.000 -0.647  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



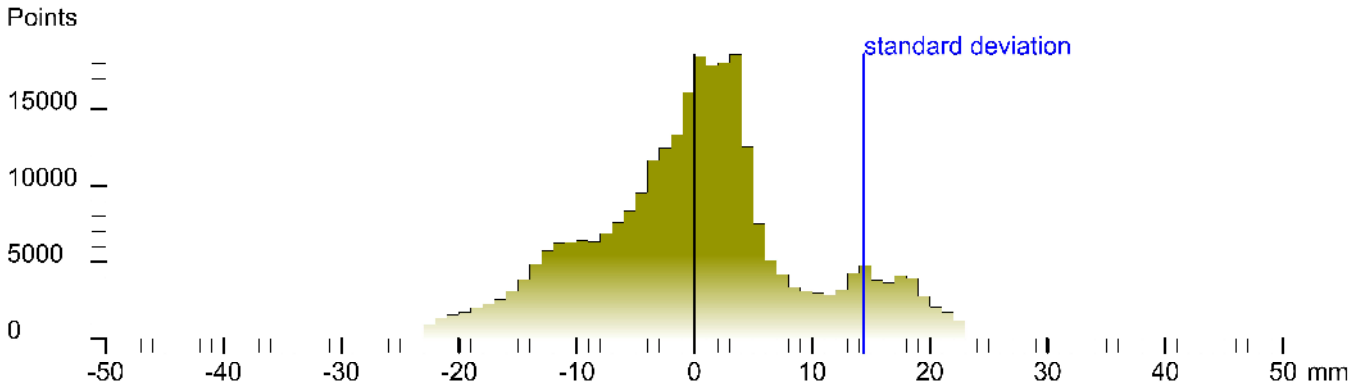
# Scan position '120'

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

```
0.307356 -0.951336 -0.022185 -22.8528 m  
0.951228 0.307801 -0.020600 -19.8895 m  
0.026426 -0.014773 0.999542 3.9088 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:14.4 mm

### Deviation histogram



### Scan '120'

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 *barome or transtation rotation gps  
Barometer: 1.003545 bar 81.1087 m  
nav translation: 0.0000 m 0.0000 m 77.915 * m accuracies: 5.1000 m 5.1000 m 0.0002 m  
nav rotation: 0.0000 0.0000 291.4131 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS:lat:45.157223 long:26.819086 satellites:8 height:137.7m hddos:1.1 vddcp:1.4m hacc:4.7-m vacc:5.7 flags:G3 'stand alone 3D solution'  
north:5000432.009 m east:487779.815 m zone:35T  
Initial pre position (3-coo. tocoor):  
0.355 -0.931 0.000 -31.942  
0.931 0.385 0.000 -1.211  
0.000 0.000 1.000 0.886  
0.000 0.000 0.000 1.000
```

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





# Scan position '121'

Scan position is member of group(s):

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

Registration matrix:

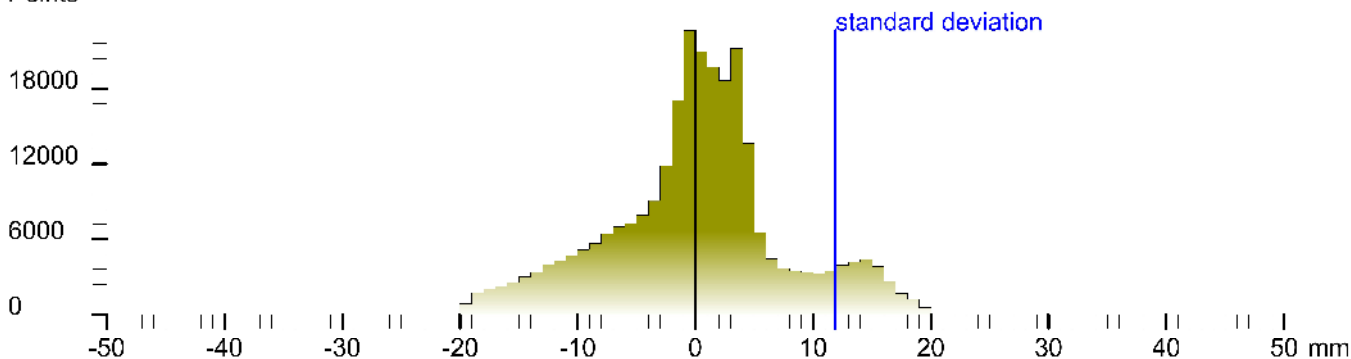
```

0.280516 -0.959834 0.005330 -28.5611 m
0.959843 0.280531 0.002317 -9.9077 m
-0.003719 0.004465 0.999983 3.9976 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 11.9 mm

## Deviation histogram

Points



## Scan '121'

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

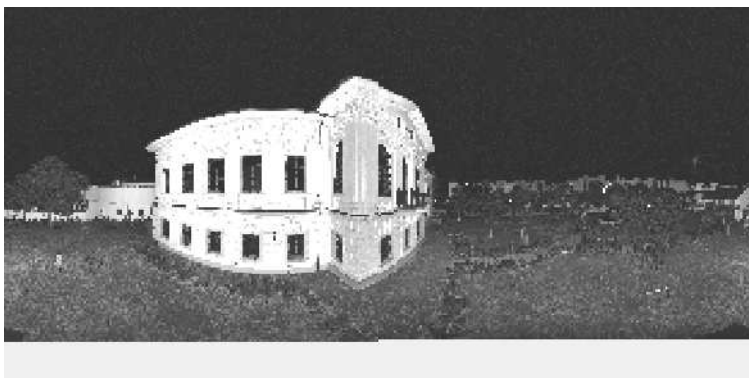
Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

```

Sensor: 3100 *barometric transition rotation gps
Barometer: 1.003564 bar 80.9537 m
nav translation: -3.1350 m 3.7439 m 77.5754 m accuracies: 5.4561 m 5.4561 m 0.0000 m
nav rotation: 0.0000 0.0000 294.6404 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.157326 long:26.819008 satellites:4 height:142.2m hdop:3.3 vdcop:3.8m hacc: 0.0m vacc:5.8 flags:G3 's are above 3D solution'
north:5000413.164 m east:485774.117 m zone:35T
Initial pre position (3-coor):
0.417 -0.909 0.000 -32.377
0.900 0.417 0.000 -3.487
0.000 0.000 1.000 0.527
0.000 0.000 0.000 1.000
    
```

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



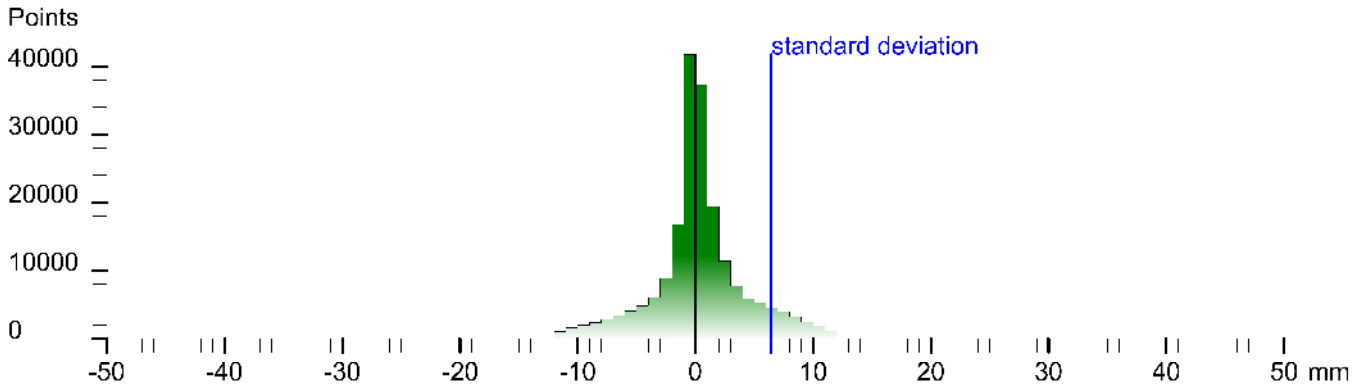
# Scan position '122'

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

```
0.294057 -0.955786 0.001628 -33.7267 m
0.955722 0.294016 -0.012280 5.7264 m
0.011258 0.005168 0.999923 4.0923 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:6.4 mm

## Deviation histogram



## Scan '122'

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 *baromet or transition rotation gps
Barometer: 1.003622 bar 60.4806 m
nav translation: 0.0000 m 0.0000 m 77.3079 m accuracies: 5.2328 m 5.2328 m 0.0087 m
nav rotation: 0.0000 0.0000 -67.2364 accuracies: 0.0000 0.0000 40.0392
upside-down: no
GPS lat:45.157490 long:26.819006 satellites:7 height:136.6m hhdop:1.0 vhdop:1.6m hacc:5.2m vacc:7.0 flags:G3 stand alone 3D solution
north:5000461.667 m east:485774.035 m zone:35T
Initial pre position (3.o. t.coor)
0.387 -0.999 0.000 -37.689
0.922 0.307 0.000 18.483
0.000 0.000 1.000 0.349
0.000 0.000 0.000 1.000

```

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





# Scan position '124'

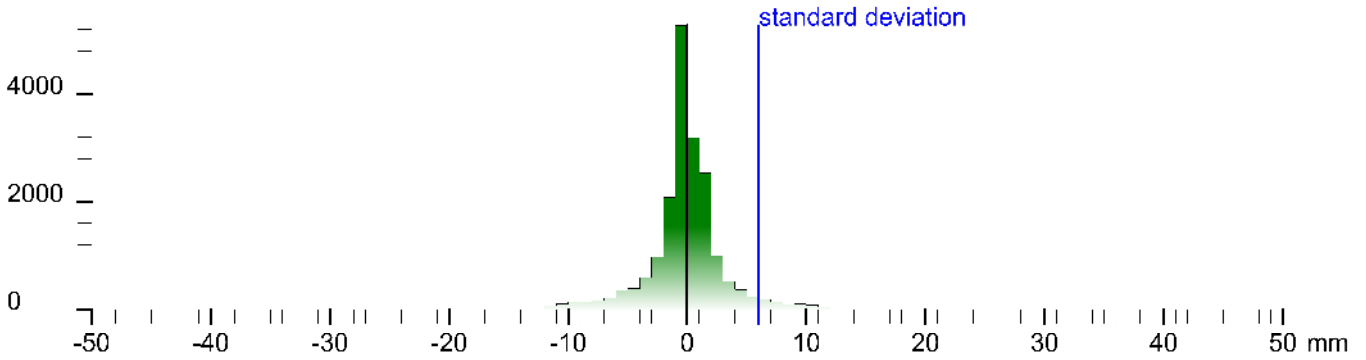
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.604686 -0.796463 -0.001730 -10.3776 m
0.796464 -0.604687 -0.000236 -19.2688 m
-0.000857 -0.001522 0.999999 10.3012 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:6.0 mm

## Deviation histogram

Points



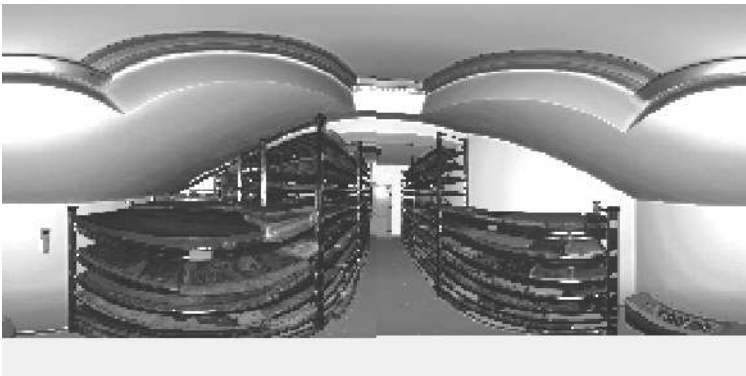
## Scan '124'

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 resolution: 0.25 mm @ 2000x2000 pixels  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.996639 bar / 39.211 m  
nav translation: -3.9153 m -0.2782 m 139.2098 m accuracies: 7.0707 m 7.0707 m 0.0000 m  
nav rotation: 0.0000 0.0000 229.2771 accuracies: 0.0000 0.0000 19.0000  
upside-down: no  
Initial pre position (Girdoor)  
-3.707 -0.711 0.000 -11.608  
0.711 -0.704 0.000 18.186  
0.000 0.000 1.000 62.391  
0.000 0.000 0.000 1.000
```

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



# Scan position '125'

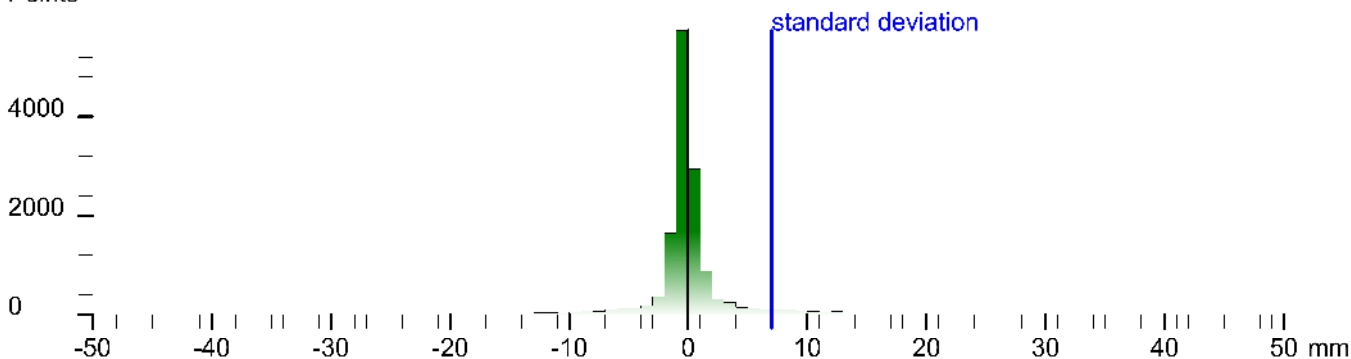
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.607955 -0.793970 -0.001680 -8.6093 m  
0.793971 -0.607957 0.000148 -15.2564 m  
-0.001137 -0.001244 0.999999 10.3059 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 7.0 mm

## Deviation histogram

Points



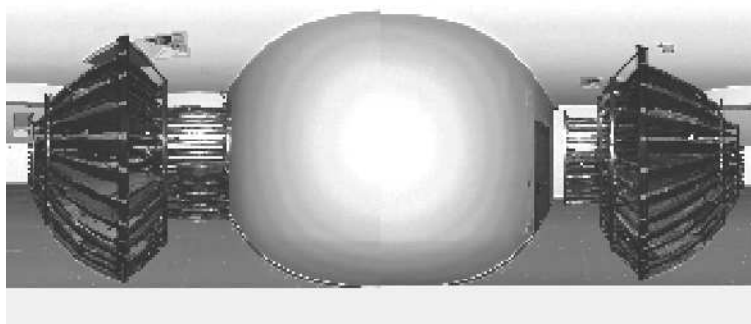
## Scan '125'

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: 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.996002 bar *38.998 m  
nav translation: -1.9065 m -1.3124 m 137.175 m accuracies: 7.6553 m 7.6553 m 0.0001 m  
nav rotation: 0.0000 0.0000 252.3321 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
-3.303 -0.953 0.000 -16.574  
0.953 -0.303 0.000 -7.173  
0.000 0.000 1.000 60.57  
0.000 0.000 0.000 1.000
```

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



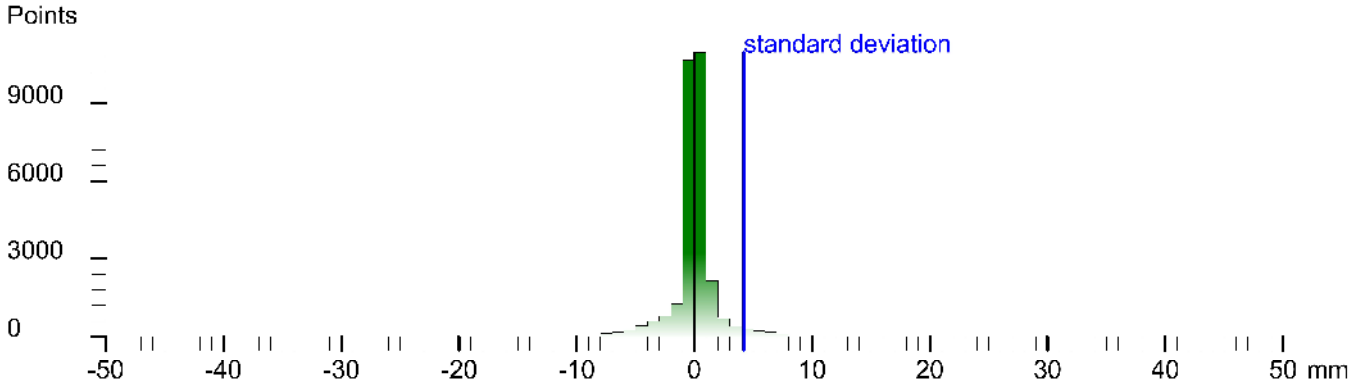
# Scan position '126'

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

```
-0.491023 -0.871146 -0.001747 -11.5795 m
 0.871147 -0.491023 -0.000130 -17.0688 m
-0.000745 -0.001586  1.000000  10.3015 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:4.2 mm

### Deviation histogram



### Scan '126'

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: 0.996061 bar 38.436 m

nav translation: -5.3795 m 2.5904 m 136.1835 m accuracies: 7.3593 m 7.3593 m 0.000 m

nav rotation: 0.0000 0.0000 256.1033 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pos position (0/door)

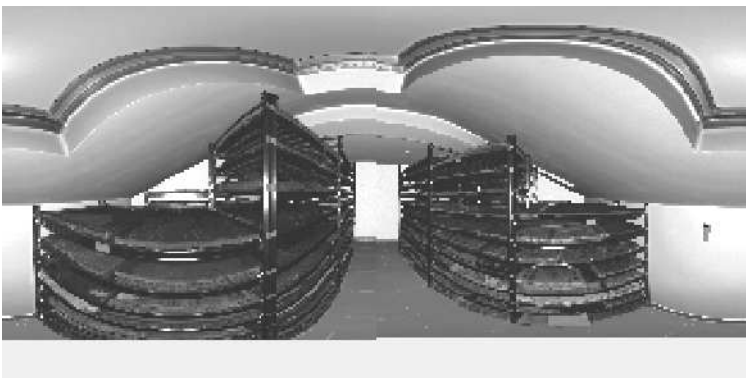
-3.558 -0.830 0.000 -19.854

0.630 -0.558 0.000 20.123

0.000 0.000 1.000 59.785

0.000 0.000 0.000 1.000

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



# Scan position '127'

Scan position is member of group(s):

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

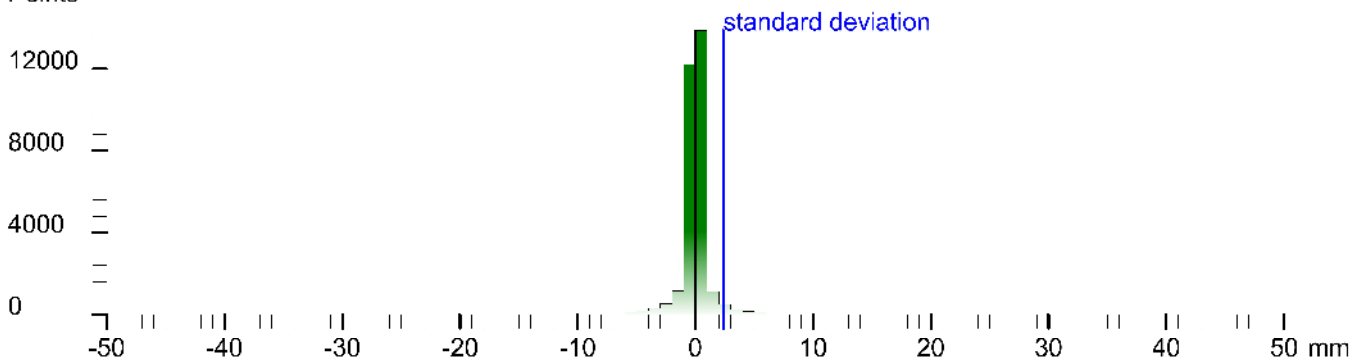
Registration matrix:

```
-0.761187 -0.648531 -0.001999 -9.6479 m
0.648532 -0.761188 0.000052 -13.8597 m
-0.001554 -0.001257 0.999998 10.3350 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.4 mm

## Deviation histogram

Points



## Scan '127'

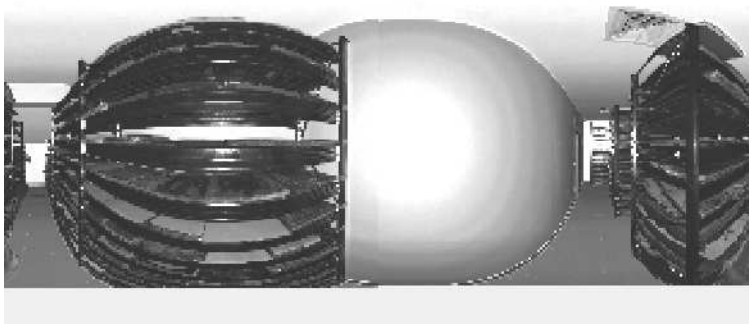
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '127' - name: '127' - group: '127' - M.Lat: [Baseline] M.Lon: [Baseline] M.Alt: [Baseline] M.Roll: [Baseline] M.Pitch: [Baseline] M.Yaw: [Baseline] M.Temp: [Baseline] M.Humidity: [Baseline] M.Pressure: [Baseline] M.Acceleration: [Baseline] M.Gyro: [Baseline] M.Magn: [Baseline] M.Bar: [Baseline] M.Nav: [Baseline] M.Sensor: [Baseline]
Sensors: 3096 * barometric (transition rotation)
Barometer: 0.997087 bar / 35.432 m
nav translation: -3.5398 m 1.4764 m 135.267 m accuracies: 7.3316 m 7.3316 m 0.000 * m
nav rotation: 0.0000 0.0000 209.6049 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position (Girdoor)
-3.868 -0.184 0.000 -53.494
0.494 -0.889 0.000 21.600
0.000 0.000 1.000 58.408
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '128'

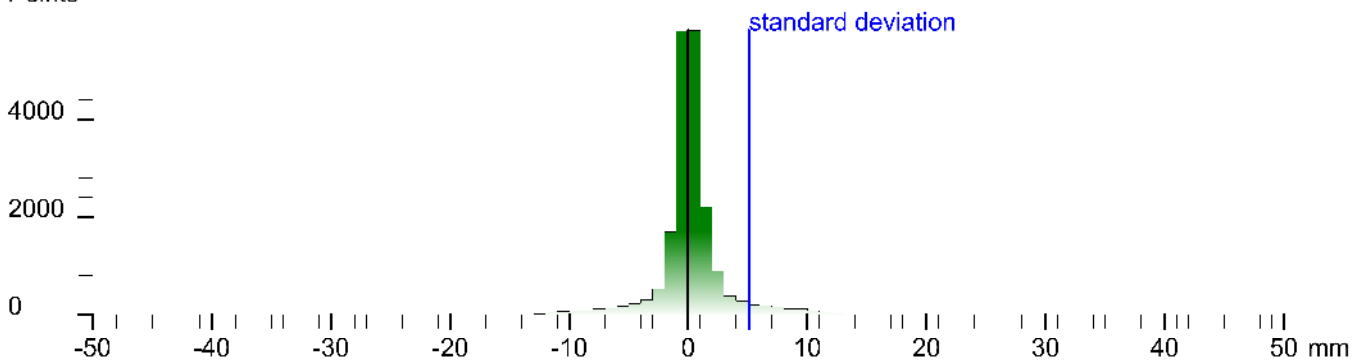
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.993567 -0.113240 -0.001786 -12.7012 m
 0.113239 -0.993568 -0.000336 -16.0422 m
-0.001736 -0.000537  0.999999  10.3310 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 5.1 mm

## Deviation histogram

Points



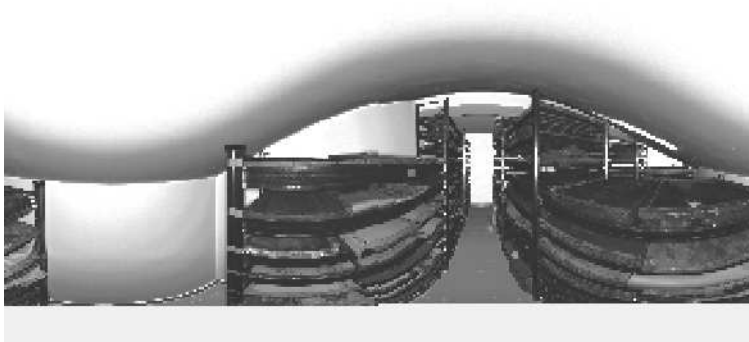
## Scan '128'

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: '128' - name: '128' - type: '2D' - M.A. | Base: 'Epsilon Base' - color: 'M.A.' | Base: 'Epsilon Base' - speed: 'Epsilon' | Base: 'Epsilon' - temperature: '20' - scan: 'Scan' - position: 'Scan' - quality: 'High' - resolution: '4' - scan: 'Scan' - scan: 'Scan'
Sensor
sensors: 3096 * barome or transition rotation*
Barometer: 0.997146 bar * 34.832 m
nav translation: -3.3930 m 1.6105 m 135.0582 m accuracies: 5.93/9 m 5.93/9 m 0.0002 m
nav rotation: 0.0000 0.0000 250.1659 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pos position: (Girdoor)
-3.641 -0.768 0.000 -53.887
0.758 -0.641 0.000 23.216
0.000 0.000 1.000 58.040
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '129'

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

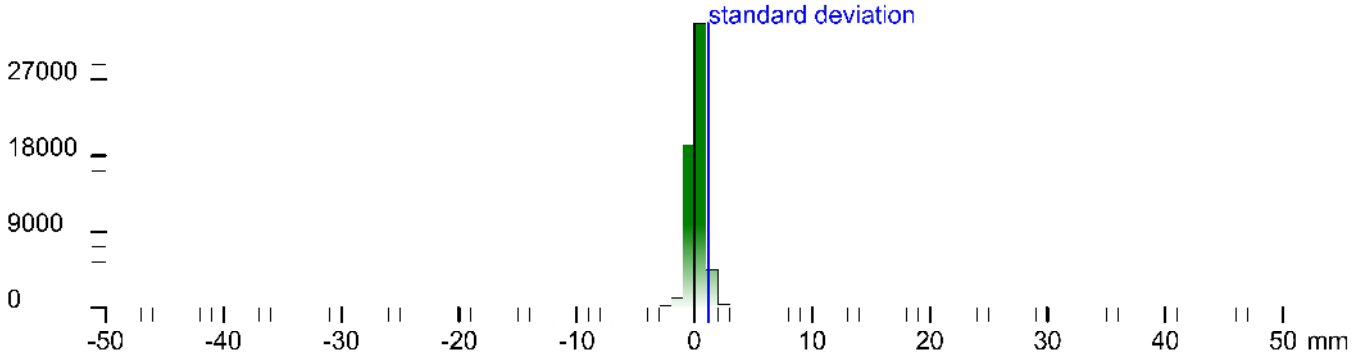
```

0.766457 -0.642297 -0.000240 -2.9781 m
0.642297 0.766457 -0.000728 -16.3794 m
0.000652 0.000404 1.000000 10.3376 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 1.2 mm

## Deviation histogram

Points



## Scan '129'

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: 0.997235 bar / 34.188 m
nav translation: -3.9961 m 2.1146 m 134.0532 m accuracies: 0.2846 m 0.2846 m 0.0001 m
nav rotation: 0.0000 0.0000 517.313 / accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0 indoor)
0.735 -0.678 0.000 -54.823
0.678 0.735 0.000 25.331
0.000 0.000 1.000 57.035
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '13'

Scan position is member of group(s):

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

Registration matrix:

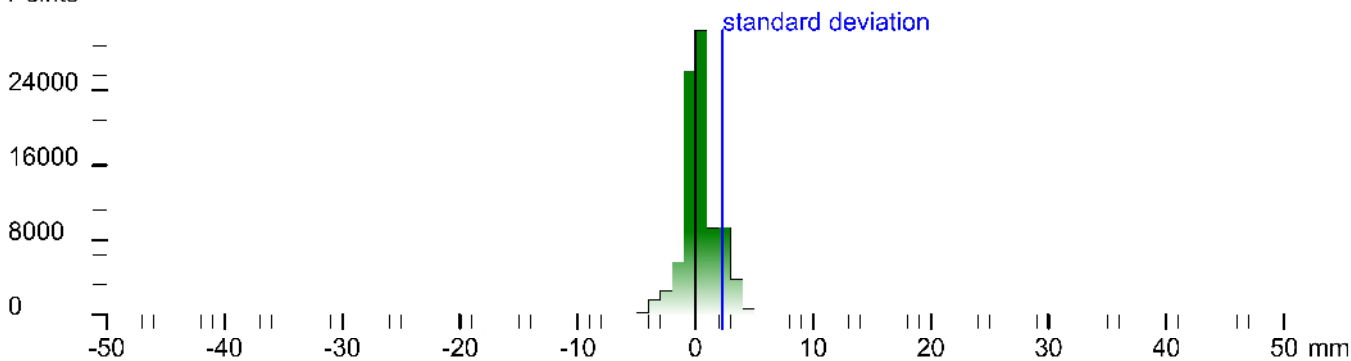
```

0.989852  0.142109  0.000244  -1.1641 m
-0.142109 0.989852  -0.000158 -17.8736 m
-0.000264 0.000122  1.000000   0.6237 m
0.000000  0.000000  0.000000   1.0000
    
```

Result registration cloud to cloud standard deviation: 2.3 mm

## Deviation histogram

Points



## Scan '13'

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: 1.004113 bar 76.3439 m
nav translation: 1.7815 m -1.2687 m 70.1723 m accuracies: 0.2506 m 0.2506 m 0.0000 m
nav rotation: 0.0000 0.0000 22.5942 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pos position: (Girdoor)
0.923 0.384 0.000 -2.477
-0.384 0.923 0.000 5.491
0.000 0.000 1.000 -0.838
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



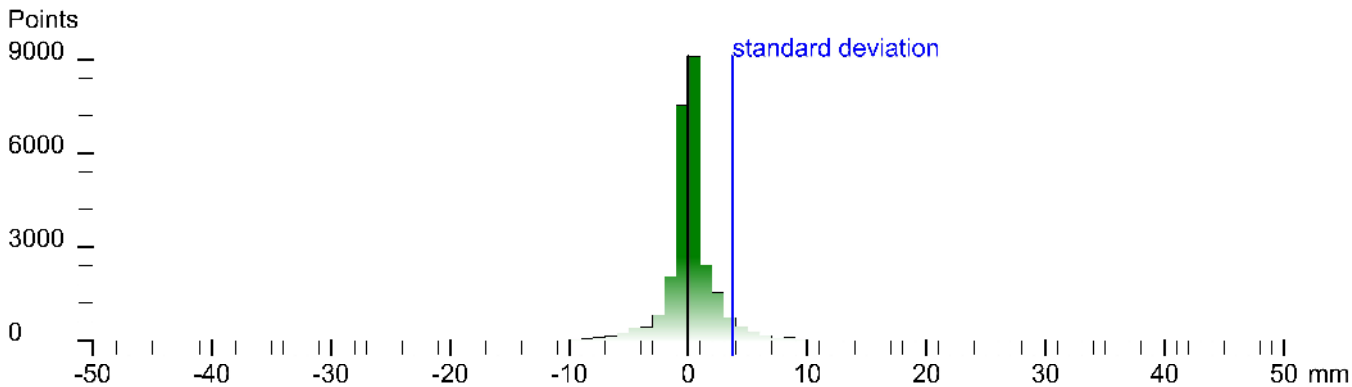
# Scan position '130'

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

```
0.085004  0.996381  0.000774  1.2181 m
-0.996381 0.085005 -0.001077 -15.1609 m
-0.001140 -0.000680 1.000000  10.3385 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:3.7 mm

## Deviation histogram



## Scan '130'

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: 'all 130 scans' matrix: '148' '30' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0' '0'
Sensor
sensors: 3096 'barometer transition rotation'
Barometer: 0.997283 bar '33.778 m
nav translation: -3.2552 m -2.2987 m 133.2087 m accuracies: 6.2655 m 6.2655 m 0.0000 m
nav rotation: 0.0000 0.0000 -0.8838 0 accuracies: 0.0000 0.0000 1s:0.0000
upside-down: no
Initial pre position: (0,0,0)
-3.315 0.949 0.000 -55.378
-3.949 -0.315 0.000 28.342
0.000 0.000 1.000 56.790
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '131'

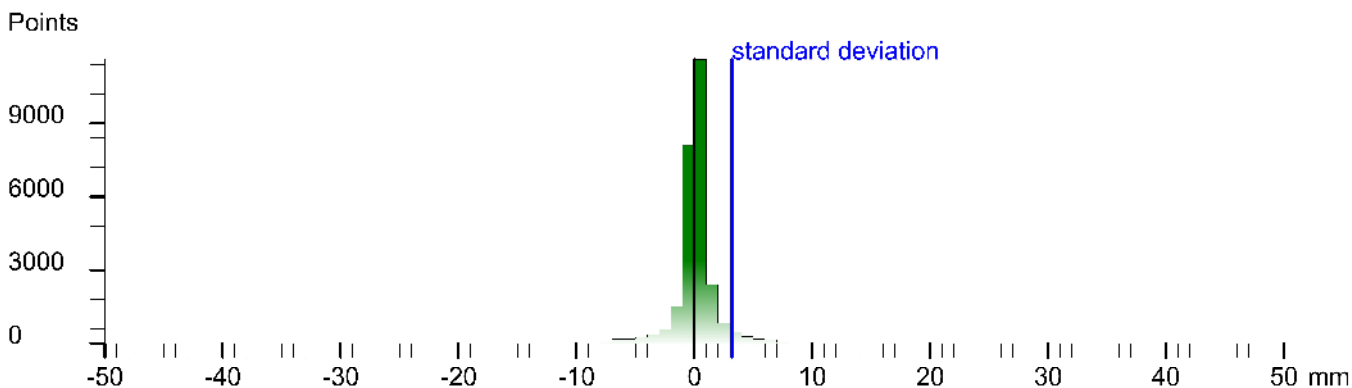
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.964628  0.263615  0.000928  2.6595 m
-0.263614  0.964628  -0.000824  -17.4808 m
-0.001112  0.000551  1.000000  10.3343 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 3.2 mm

## Deviation histogram



## Scan '131'

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: 0.997246 bar *34.003 m
nav translation: -1.5184 m 3.4882 m 133.8755 m accuracies: 5.9109 m 5.9109 m 0.0000 m
nav rotation: 0.0000 0.0000 41.2126 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (0/door)
0.752 0.658 0.000 -56.597
-0.669 0. r:2 0.000 23.531
0.000 0.000 1.000 56.657
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



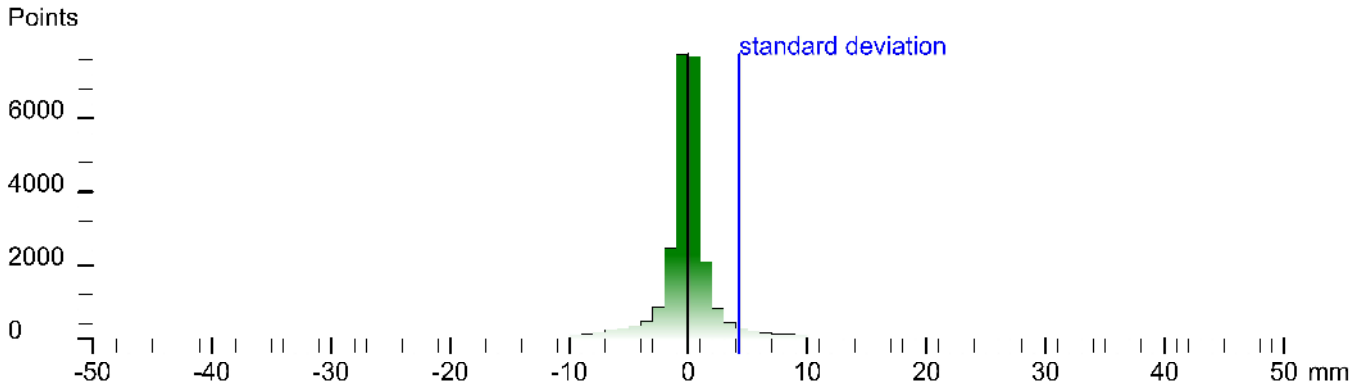
# Scan position '132'

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

```
-0.990808  0.135277  0.001105  0.5830 m
-0.135279 -0.990807 -0.001799 -18.7926 m
0.000851  -0.001933  0.999998  10.3383 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:4.3 mm

## Deviation histogram



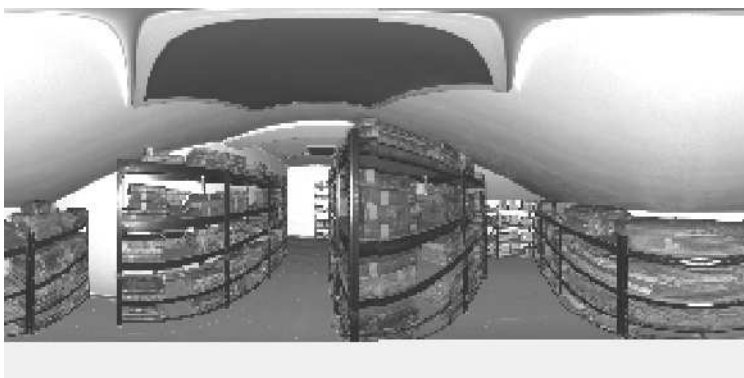
## Scan '132'

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: 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.997335 bar *33.345 m
nav translation: -3.3870 m 1.0138 m 133.2160 m accuracies: 5.618° m 5.918° m 0.0000 m
nav rotation: 0.0000 0.0000 *89.16°*3 accuracies: 0.0000 0.0000 16.0000
upside-down: no
Initial pre position: (0/door)
-3.987 -0.158 0.000 -56.984
0.159 -0.987 0.000 24.544
0.000 0.000 1.000 56.227
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '133'

Scan position is member of group(s):

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

Registration matrix:

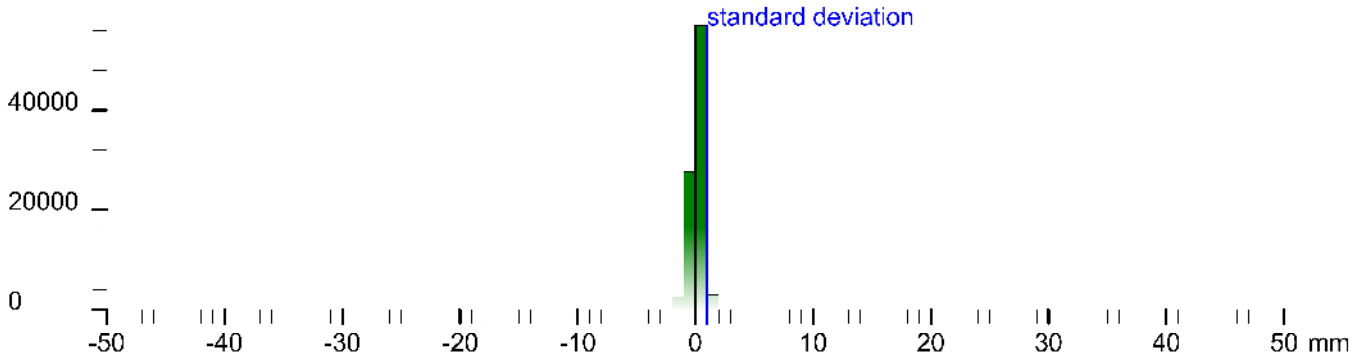
```

-0.248450  0.968646  0.000108  -3.6617 m
-0.968645  -0.248449  -0.000796  -17.4934 m
-0.000745  -0.000303  1.000000   10.3373 m
0.000000   0.000000   0.000000   1.0000
    
```

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram

Points



## Scan '133'

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: 133 Scan Date: 2023-10-10 14:35:00 Scan Position: 133
Sensor
sensors: 3096 *barometer transition rotation*
Barometer: 0.997396 bar *32.828 m
nav translation: 2.5515 m 1.2979 m 132.3530 m accuracies: 6.54/1 m 6.54/1 m 3.0001 m
nav rotation: 0.0000 0.0000 *23.4961 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0/indoor)
-3.552 0.834 0.000 -54.430
-0.882 -0.052 0.000 26.842
0.000 0.000 1.000 55.534
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '134'

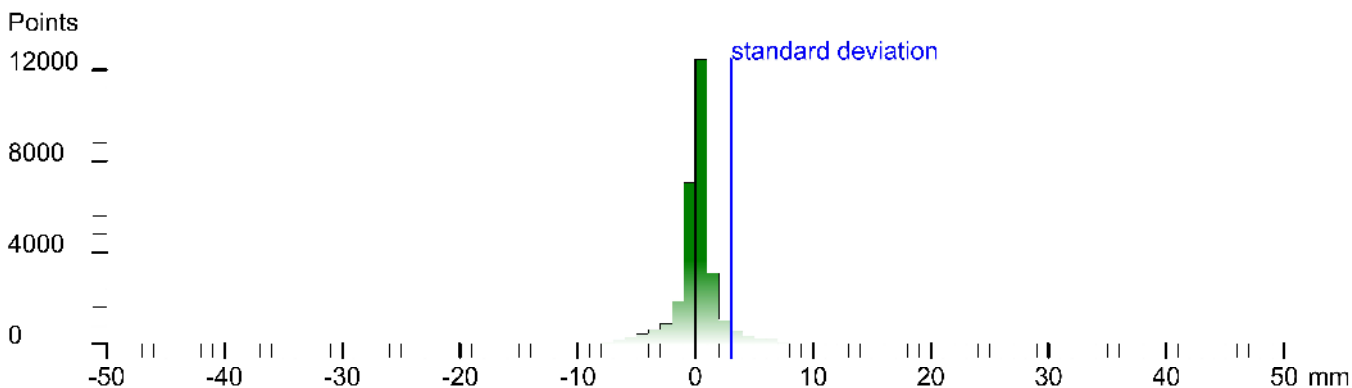
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.075754  0.997128  0.000101  -1.5467 m
-0.997127  0.075754  -0.000910  -20.9273 m
-0.000916  -0.000032  1.000000  10.3342 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 3.0 mm

## Deviation histogram



## Scan '134'

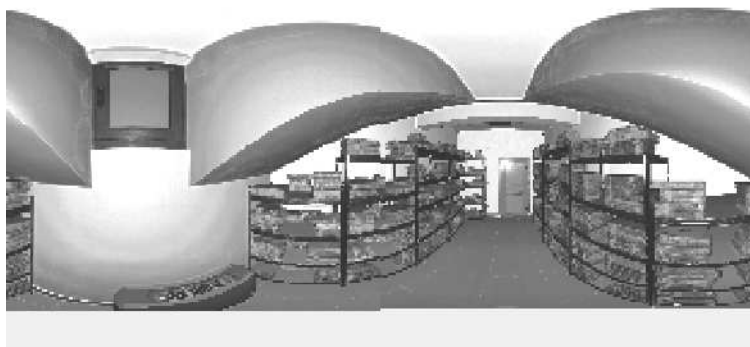
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Sensor:
sensors: 3096 *barometric transition rotation*
Barometer: 0.997458 bar *32.307 m
nav translation: -2.4867 m 0.8987 m 132.043 m accuracies: 0.42/6 m 0.42/6 m 0.0000 m
nav rotation: 0.0000 0.0000 93.8190 accuracies: 0.0000 0.0000 1s/0.000
up/down: no
Initial pre position: (0/door)
-3.01/ 1.000 0.000 -56.917
-1.000 -0.014 0.000 26.702
0.000 0.000 1.000 54.996
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '135'

Scan position is member of group(s):

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

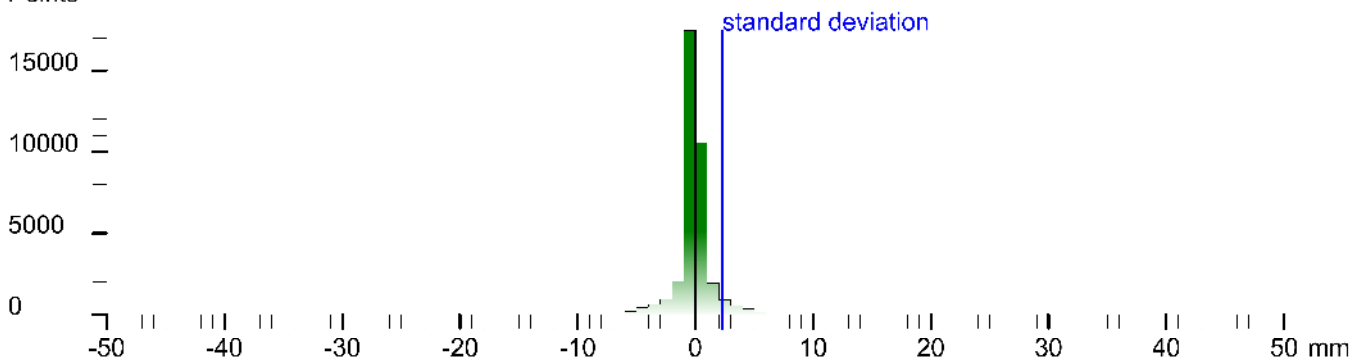
Registration matrix:

```
0.965674 0.259763 -0.000352 -3.4470 m
-0.259763 0.965673 -0.000737 -18.2509 m
0.000148 0.000804 1.000000 10.3386 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:2.3 mm

## Deviation histogram

Points



## Scan '135'

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: [102h] registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.997440 bar / 32.458 m  
nav translation: -1.4066 m -1.4787 m 132.1911 m accuracies: 6.1586 m 6.1586 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 0.0000  
upside-down: no  
Initial pre position: (0 indoor)  
0.613 0.582 0.000 -58.323  
-0.682 0.813 0.000 25.224  
0.000 0.000 1.000 55.777  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '136'

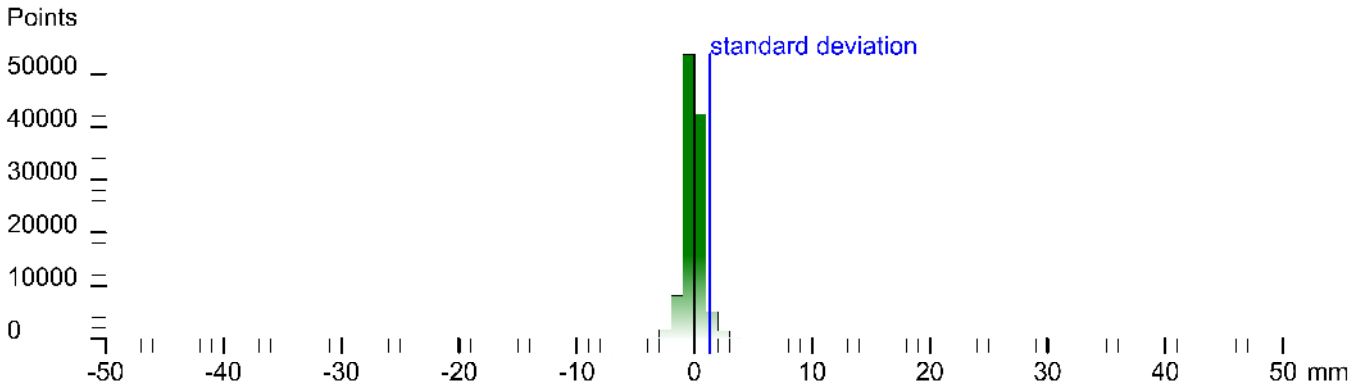
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

-0.907563 -0.419917 -0.000976 -11.1654 m
 0.419917 -0.907563 -0.000784 -10.2822 m
-0.000557 -0.001121  0.999999  10.3456 m
 0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 1.3 mm

## Deviation histogram



## Scan '136'

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: 0.997296 bar / 33.87 m
nav translation: 1.7507 m -3.4027 m 133./920 m accuracies: 0.3257 m 0.3257 m 0.0000 m
nav rotation: 0.0000 0.0000 *96.3/98 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0/door)
-3.949 -0.315 0.000 -56.507
0.315 -0.949 0.000 24.822
0.000 0.000 1.000 56.473
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



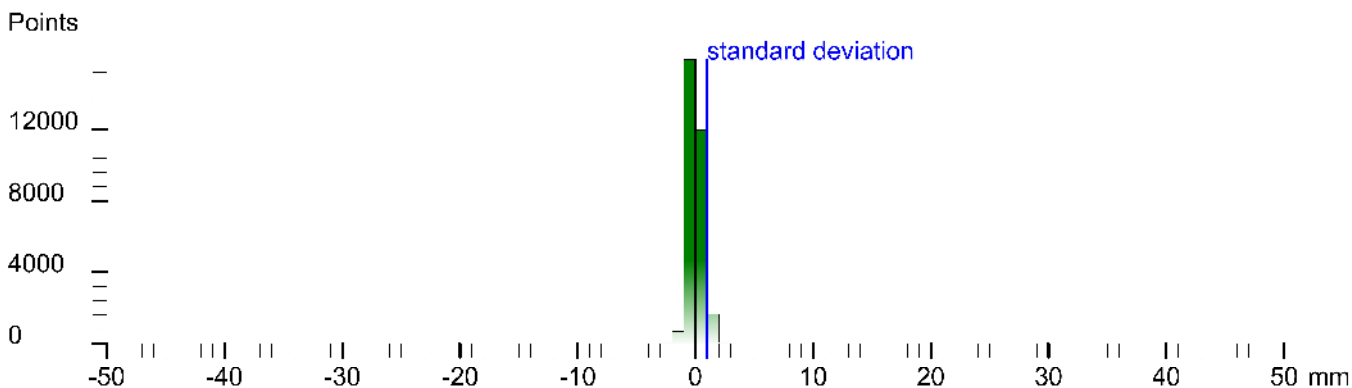
# Scan position '137'

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

```
-0.251578 -0.967837 -0.001125 -13.1559 m  
0.967838 -0.251578 -0.000493 -10.0095 m  
0.000192 -0.001213 0.999999 10.3413 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



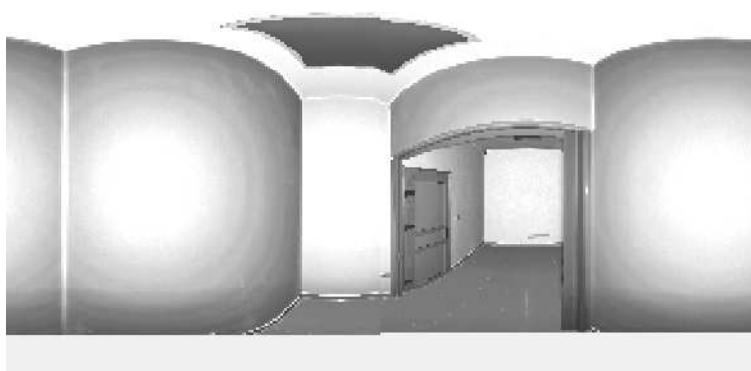
## Scan '137'

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: -501.1388888888889 -1411.3777777777778 133.3471111111111  
Sensors: 3096 *barometric transition rotation*  
Barometer: 0.997340 bar / 33.304 m  
nav translation: 0.5651 m 0.6324 m 133.3471 m accuracies: 5.6271 m 5.6271 m 0.0000 m  
nav rotation: 0.0000 0.0000 2.774701 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
0.992 0.130 0.000 25.624  
0.000 0.000 1.000 56.378  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '138'

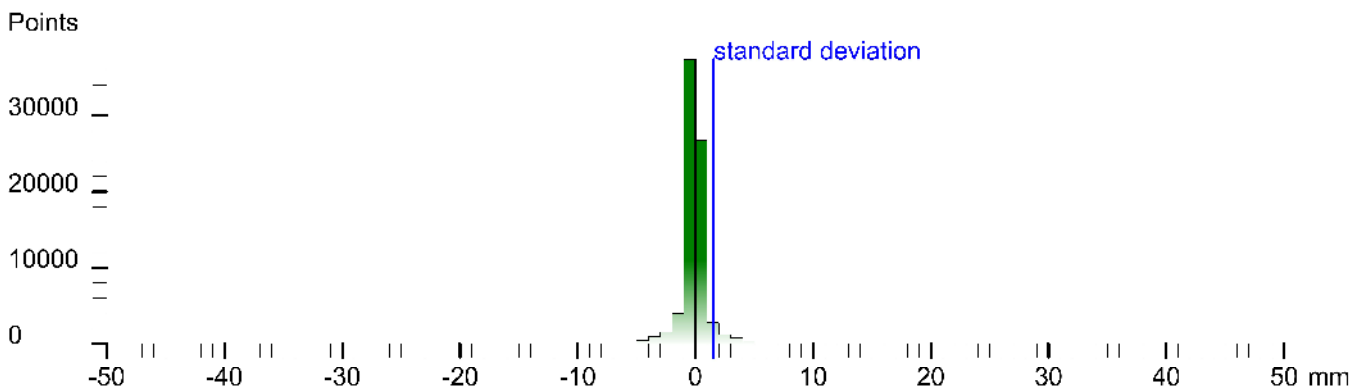
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

-0.617362 -0.786680 -0.000903 -12.1916 m
 0.786680 -0.617361 -0.001088 -12.7943 m
 0.000298 -0.001382 0.999999 10.3363 m
 0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 1.6 mm

## Deviation histogram



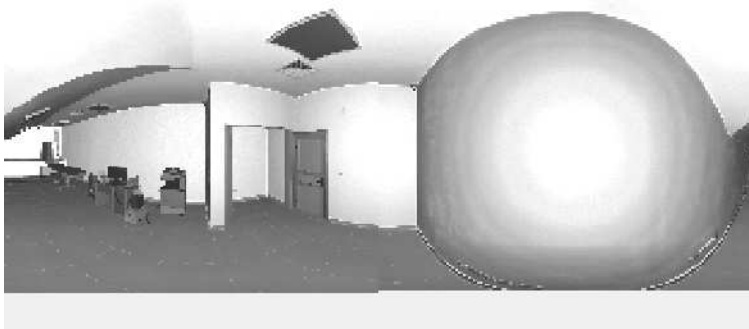
## Scan '138'

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: -41.193824, 3.337711, 1.467327  
 sensors: 3096 \*barometric transition rotation\*  
 Barometer: 0.997302 bar / 33.82 m  
 nav translation: 1.7976 m -3.0778 m 133.7913 m accuracies: 0.3187 m 0.3187 m 0.0000 m  
 nav rotation: 0.0000 0.0000 250.2973 accuracies: 0.0000 0.0000 15.0000  
 up/down: no  
 Initial pos position: (0/door)  
 -3.638 -0.769 0.000 -51.104  
 0.759 -0.639 0.000 25.146  
 0.000 0.000 1.000 56.473  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '139'

Scan position is member of group(s):

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

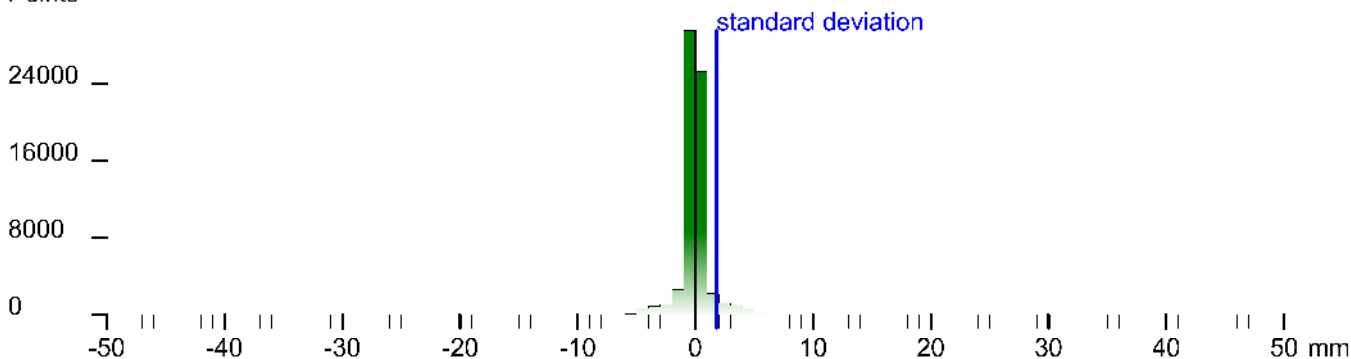
Registration matrix:

```
-0.923697  0.383125 -0.001173 -17.1188 m
-0.383124 -0.923697 -0.001390 -16.1866 m
-0.001616 -0.000833  0.999998  10.3269 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## Scan '139'

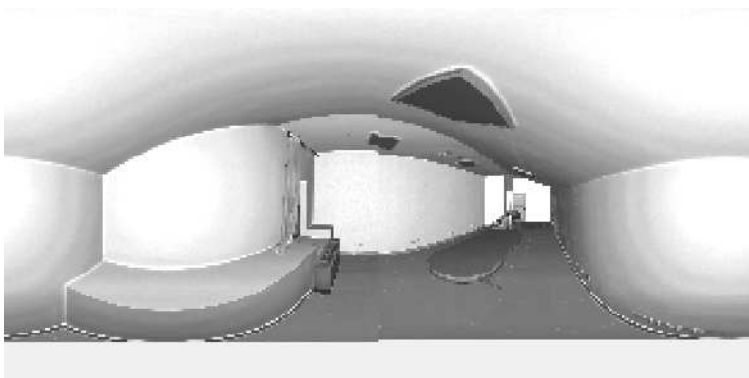
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

```
Scan position: [102h] registered with cloud to cloud
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.997348 bar / 33.237 m
nav translation: 1.4838 m 3.5282 m 133.1098 m accuracies: 7.0930 m 7.0930 m 0.0000 m
nav rotation: 0.0000 0.0000 -58.22° accuracies: 0.0000 0.0000 1s,0.000
upside-down: no
Initial pre position: (0 indoor)
-3.928 0.371 0.000 -52.620
-0.371 -0.929 0.000 29.074
0.000 0.000 1.000 56.091
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '14'

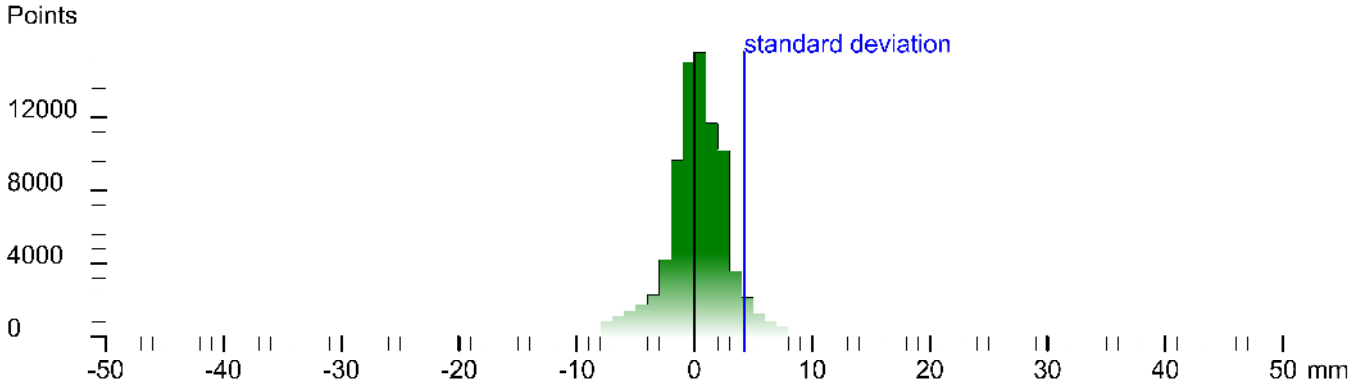
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.333720 -0.942673 -0.000096 0.1811 m
0.942673 0.333720 -0.000422 -14.1283 m
0.000430 0.000050 1.000000 0.6218 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 4.2 mm

## Deviation histogram



## 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	

```

Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.004066 bar 78.7388 m
nav translation: 0.4392 m -1.5633 m 70.0793 m accuracies: 5.9255 m 5.9255 m 0.0000 m
nav rotation: 0.0000 0.0000 338.9932 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
0.629 -0.777 0.000 -12.335
0.777 0.628 0.000 1.928
0.000 0.000 1.000 -0.962
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



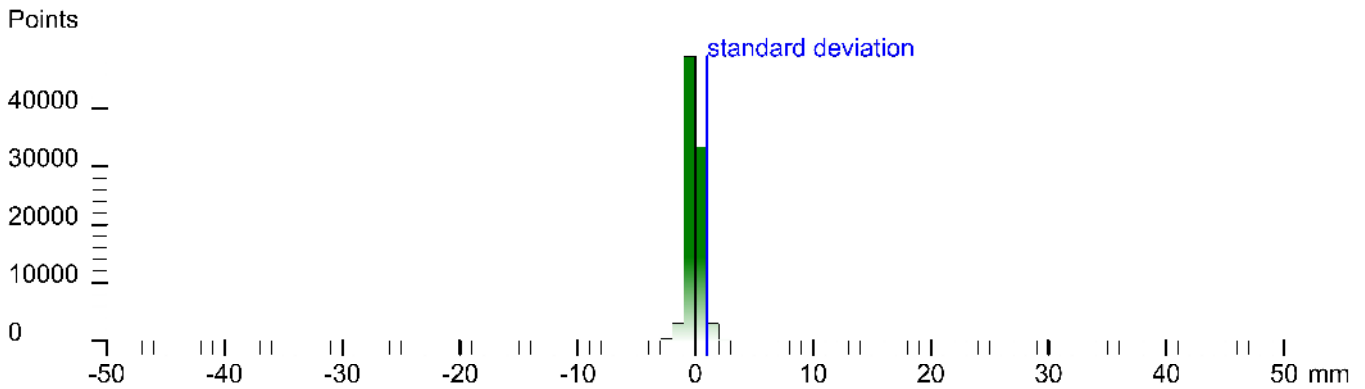
# Scan position '140'

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

```
-0.600598 -0.799551 -0.001386 -17.8195 m
0.799552 -0.600598 -0.000830 -13.1759 m
-0.000170 -0.001607 0.999998 10.3259 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



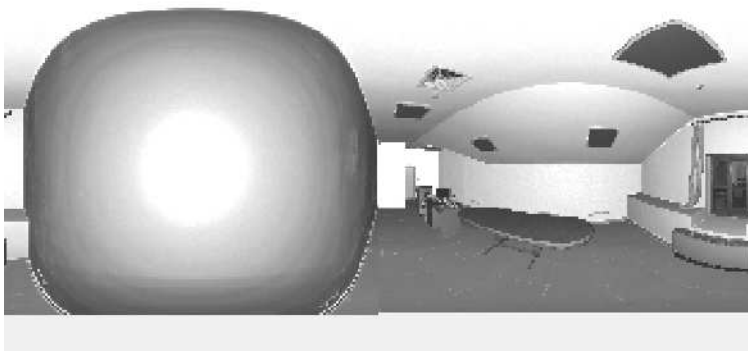
## Scan '140'

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: 'Z+F Imager 5016' serial: '5016-0100' firmware: '9.0.3.6562-0' sensor: 'Sensor'
sensors: 3096 'barometric transition rotation'
Barometer: 0.997358 bar 133.148 m
nav translation: 0.7602 m 0.8274 m 132.9500 m accuracies: 5.7106 m 5.7106 m 3.0002 m
nav rotation: 0.0000 0.0000 216.1263 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position (Girdoor)
-3.808 -0.580 0.000 -51.860
0.690 -0.808 0.000 30.002
0.000 0.000 1.000 55.931
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '141'

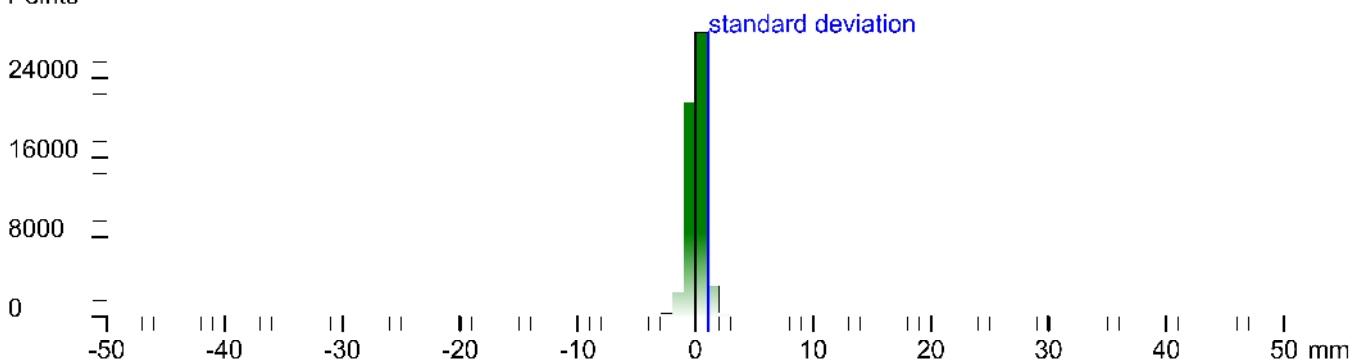
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.936995 -0.349346 -0.000493 -5.7116 m  
0.349346 -0.936993 -0.001420 -18.1931 m  
0.000035 -0.001504 0.999999 10.3408 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.1 mm

## Deviation histogram

Points



## Scan '141'

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: '141' [102h] registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.997374 bar / 33.012 m  
nav translation: -3.9531 m -5.3900 m 133.1639 m accuracies: 7.0942 m 7.6942 m 0.0000 m  
nav rotation: 0.0000 0.0000 213.770 / accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
-3.831 -0.556 0.000 -52.813  
0.656 -0.831 0.000 24.912  
0.000 0.000 1.000 56.745  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '142'

Scan position is member of group(s):

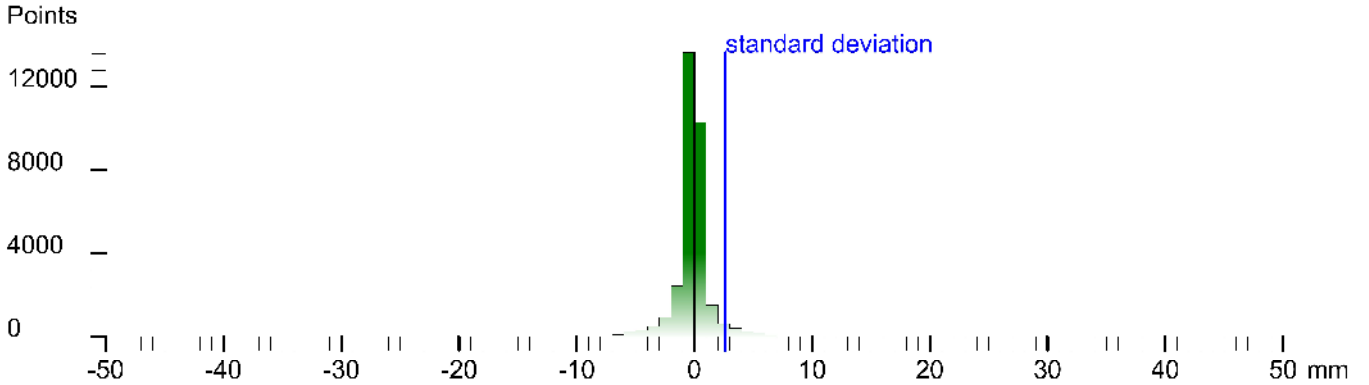
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

```
-0.867807  0.496904  -0.000142  -6.0719 m  
-0.496903  -0.867805  -0.001422  -19.5522 m  
-0.000830  -0.001164  1.000000  10.3350 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 2.6 mm

## Deviation histogram



## Scan '142'

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: 0.997440 bar / 32.46" m  
nav translation: 0.2010 m 1.6172 m 132.389 m accuracies: 5.9204 m 5.9204 m 3.0000 m  
nav rotation: 0.0000 0.0000 -61.8678 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position (0irdoor)  
-3.950 0 311 0.000 -52.009  
-3.311 -0.550 0.000 26.529  
0.000 0.000 1.000 55.470  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.







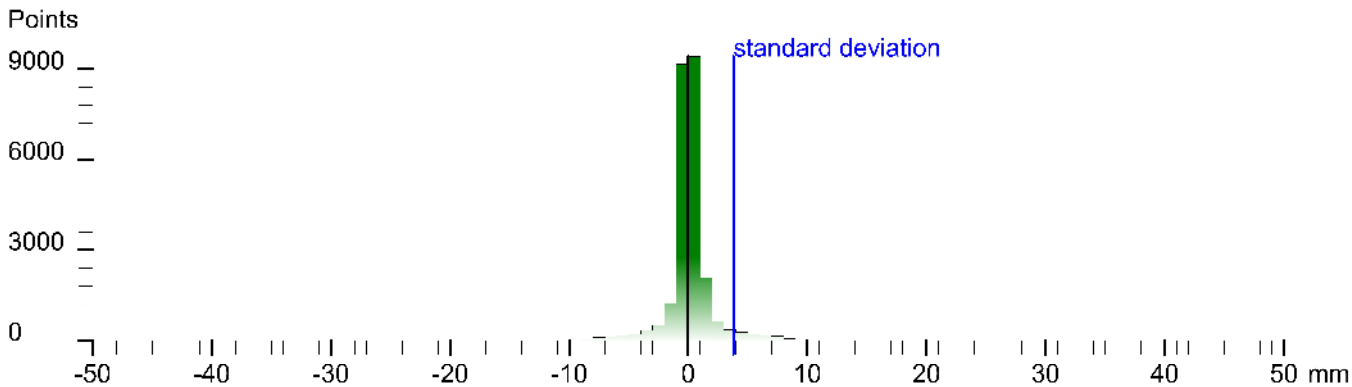
# Scan position '144'

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

```
-0.979953 -0.199231 0.000190 -6.6557 m
0.199230 -0.979952 -0.001660 -24.0336 m
0.000517 -0.001590 0.999999 10.3307 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.8 mm

## Deviation histogram



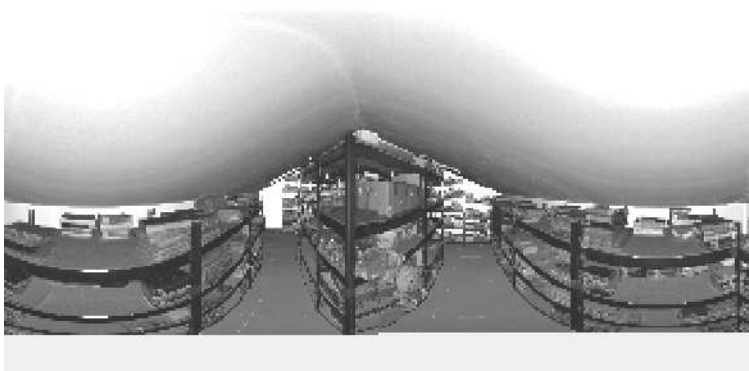
## Scan '144'

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: '144'
Sensor
sensors: 3096 *barometric rotation*
Barometer: 0.997441 bar / 32.448 m
nav translation: -3.0756 m 1.6379 m 132.2614 m accuracies: 5.9374 m 5.9374 m 0.0000 m
nav rotation: 0.0000 0.0000 203.7473 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0 indoor)
-3.915 -0.103 0.000 -51.102
0.403 -0.915 0.000 29.623
0.000 0.000 1.000 55.246
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



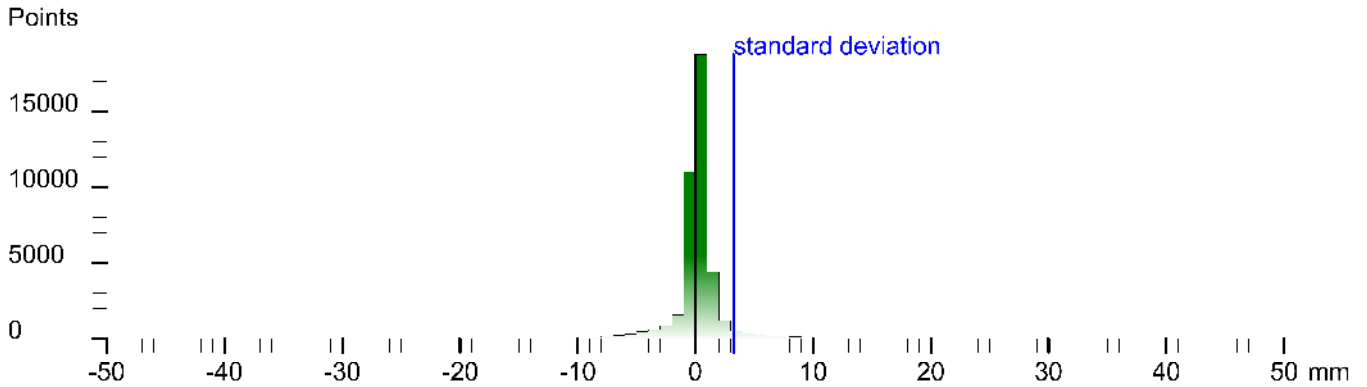
# Scan position '145'

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

-0.997535	-0.070181	-0.000721	-8.7076 m
0.070182	-0.997533	-0.001638	-21.1239 m
-0.000604	-0.001685	0.999999	10.3312 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:3.2 mm

## Deviation histogram



## Scan '145'

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: 0.997446 bar / 32.41 m
nav translation: 2.6510 m -3.2976 m 132.2525 m accuracies: 0.4503 m 0.4503 m 0.0000 m
nav rotation: 0.0000 0.0000 *89.9302 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
-3.987 -0.162 0.000 -51.478
0.152 -0.987 0.000 29.32s
0.000 0.000 1.000 55.234
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '146'

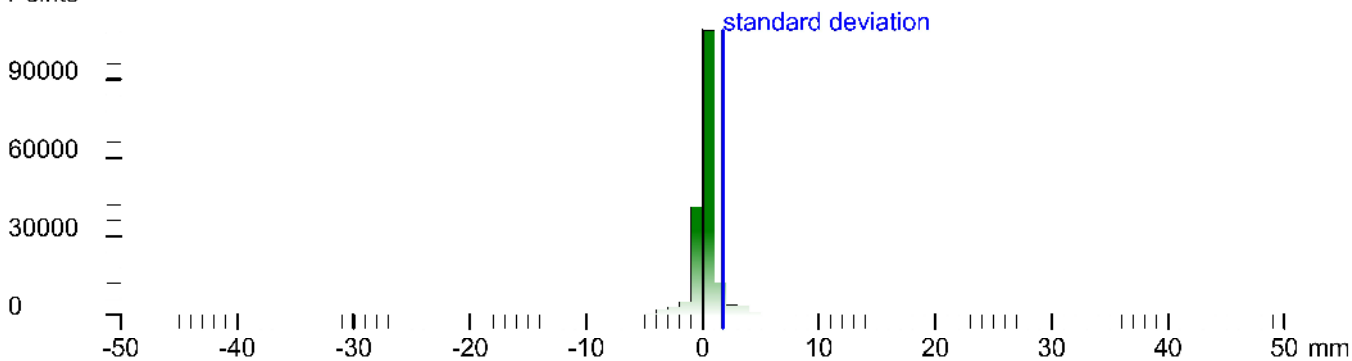
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
0.596192  0.802842  -0.000015  -6.0732 m
-0.802842  0.596192  -0.000063  -5.6412 m
-0.000042  0.000050  1.000000  4.7365 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## Scan '146'

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: '146' - name: '146' - group: '102h' - status: 'Registered with cloud to cloud' - registration matrix: '0.596192 0.802842 -0.000015 -6.0732 m
-0.802842 0.596192 -0.000063 -5.6412 m
-0.000042 0.000050 1.000000 4.7365 m
0.000000 0.000000 0.000000 1.0000'
Sensor
sensors: 3096 'barometric transition rotation'
Barometer: 0.998040 bar / 27.402 m
nav translation: 31.816 m 8.7821 m 126.7860 m accuracies: 23.2647 m 23.2647 m 0.0000 m
nav rotation: 0.0000 0.0000 63.4080 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position (Girdoor)
0.418 0.894 0.000 -6.632
-0.894 0.418 0.000 38.108
0.000 0.000 1.000 49.788
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



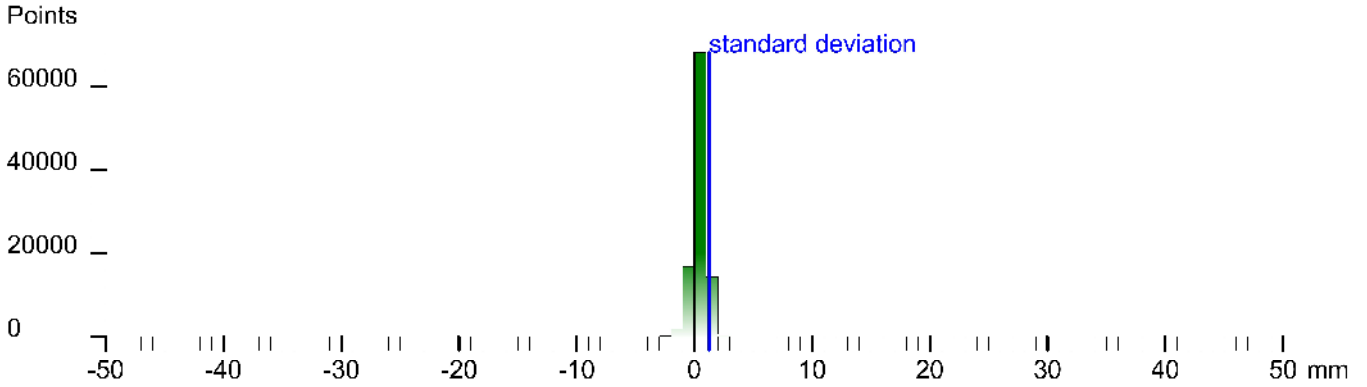
# Scan position '147'

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

```
0.770011 -0.638031 -0.000196 -2.9512 m
0.638031 0.770011 0.000066 -5.2183 m
0.000109 -0.000176 1.000000 4.7383 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.2 mm

## Deviation histogram



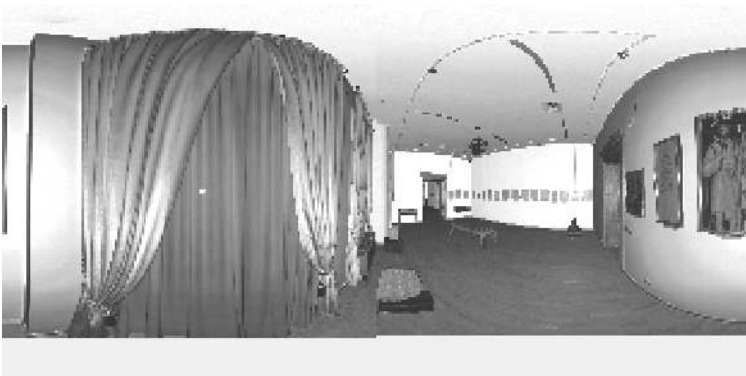
## Scan '147'

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: '147' - name: '147' - group: '102h' - M: 0.770011 -0.638031 -0.000196 -2.9512 m
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.997977 bar / 27.833 m
nav translation: 4.6132 m -3.7937 m 127.2215 m accuracies: 7.4532 m 7.4532 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 536.0003 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position (Girdoor)
0.911 -0.107 0.000 -12.318
0.401 0.914 0.000 37.314
0.000 0.000 1.000 50.206
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '148'

Scan position is member of group(s):

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

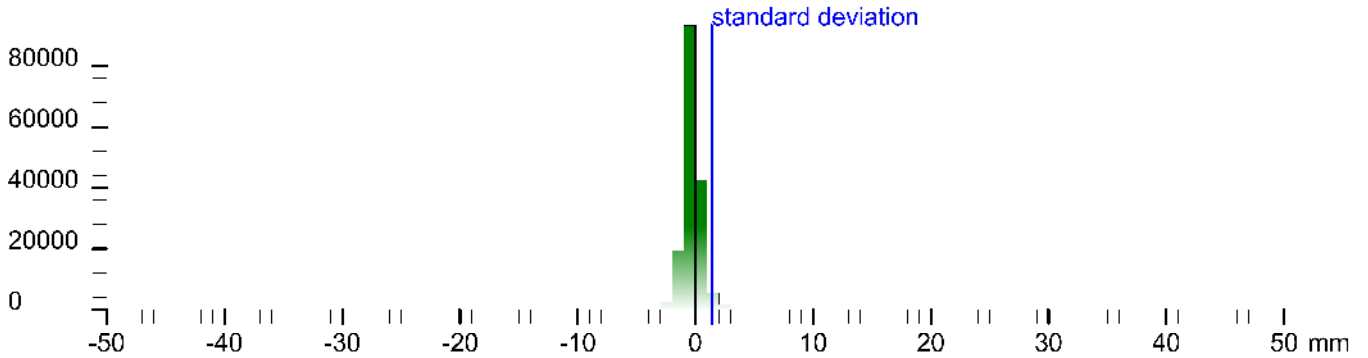
Registration matrix:

-0.955352	-0.295473	-0.000591	-4.8582 m
0.295473	-0.955351	-0.000802	-10.9218 m
-0.000328	-0.000941	1.000000	4.7329 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:1.4 mm

## Deviation histogram

Points



## Scan '148'

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: 0.998007 bar / 27.876 m  
nav translation: 1.2038 m 2.3528 m 127.9355 m accuracies: 6.4117 m 6.4117 m 3.0000 m  
nav rotation: 0.0000 0.0000 232.9077 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no

Initial pos position: (0 indoor)  
-3.921 -0.389 0.000 -10.815  
0.389 -0.921 0.000 59.667  
0.000 0.000 1.000 59.917  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '149'

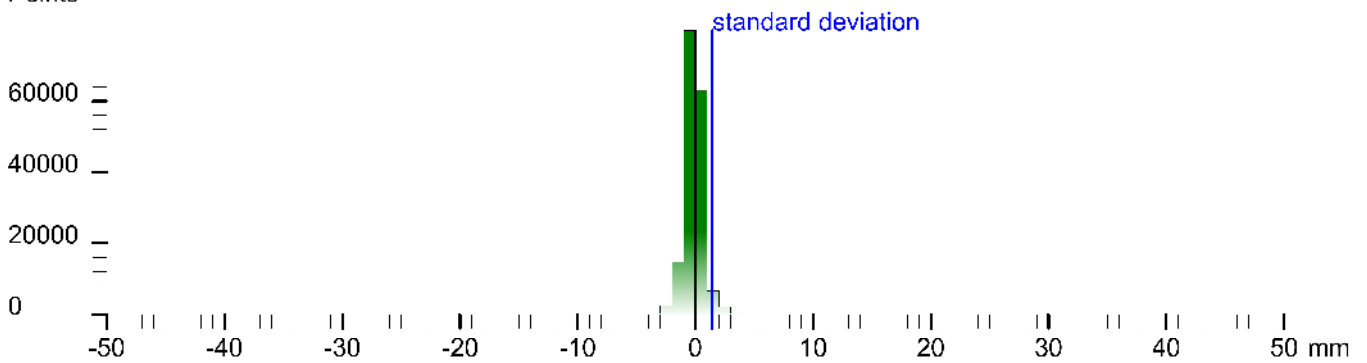
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
0.320460 -0.947263 -0.000273 -1.3913 m
0.947262 0.320461 -0.000531 -12.1939 m
0.000590 -0.000088 1.000000 4.7292 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.4 mm

## Deviation histogram

Points



## Scan '149'

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: '149'
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 0.997959 bar / 28.078 m
nav translation: -3.9004 m 2.1165 m 127.1590 m accuracies: 0.2703 m 0.2703 m 0.0001 m
nav rotation: 0.0000 0.0000 510.1735 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position (Girdoor)
0.645 -0.764 0.000 -11.715
0.754 0.545 0.000 41.753
0.000 0.000 1.000 50.440
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'

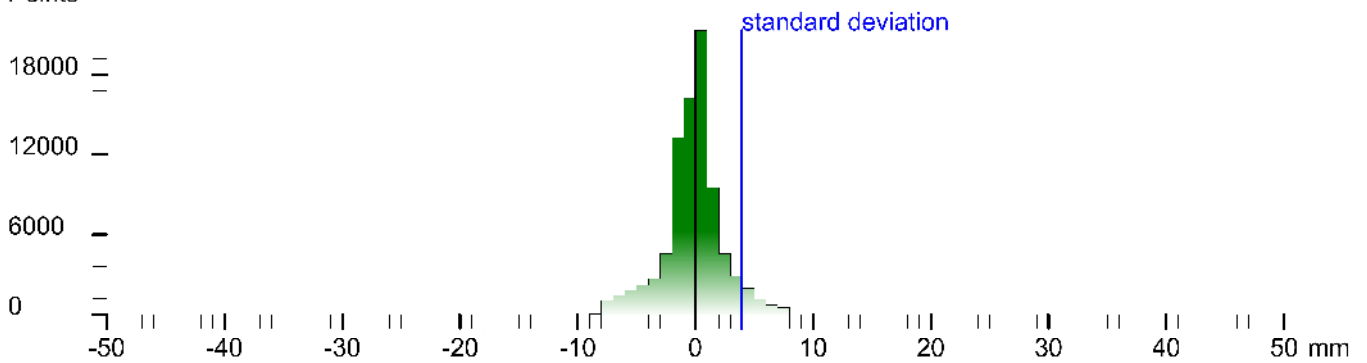
Registration matrix:

0.666980	0.745076	-0.000063	2.5409 m
-0.745076	0.666980	-0.000296	-18.2027 m
-0.000178	0.000244	1.000000	0.6180 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:3.9 mm

## Deviation histogram

Points



## Scan '15'

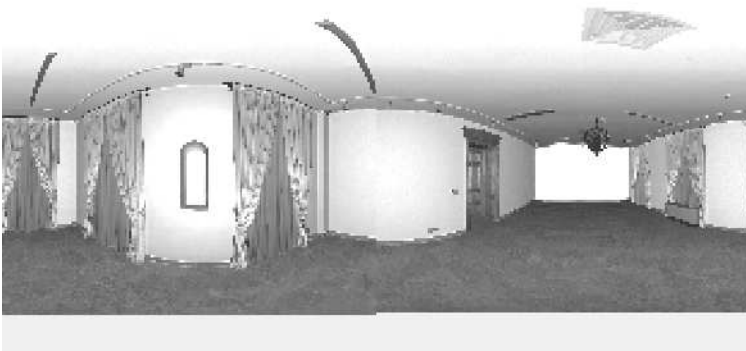
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barome or transition rotation\*  
Barometer: 1.003996 bar 77.3267 m  
nav translation: 0.511 m -2.5028 m 70.6766 m accuracies: 0.3362 m 0.3362 m 0.0000 m  
nav rotation: 0.0000 0.0000 63.4147 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (Gardoor)  
0.491 0.870 0.000 -1.88°  
-0.870 0.494 0.000 -0.579°  
0.000 0.000 1.000 -0.334°  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





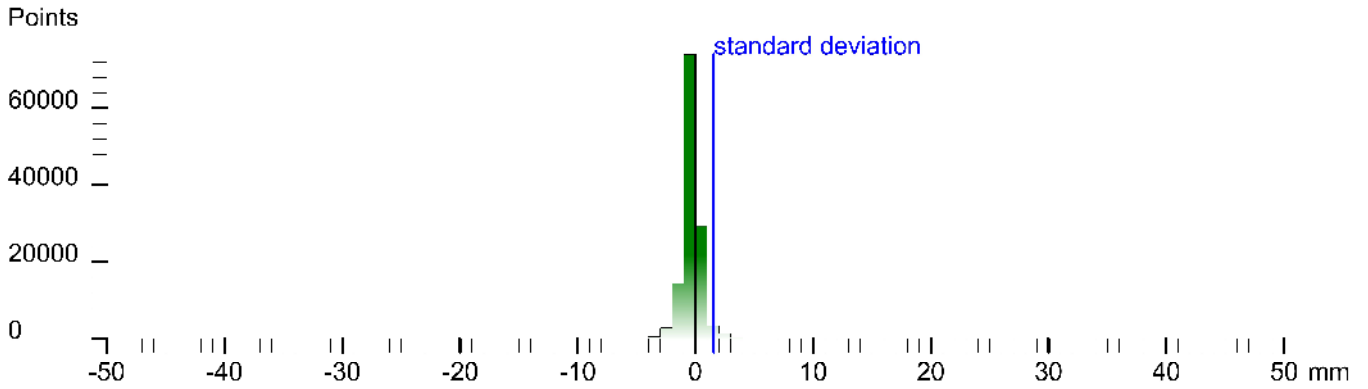
# Scan position '150'

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

0.999967	0.008288	0.000320	2.9133 m
-0.008289	0.999966	-0.000439	-14.8379 m
-0.000325	0.000436	1.000000	4.7300 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.6 mm

## Deviation histogram



## Scan '150'

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: 0.997887 bar \*28.89\* m  
nav translation: -1.7425 m -2.3914 m 127.5998 m accuracies: 0.1686 m 0.1686 m 0.0000 m  
nav rotation: 0.0000 0.0000 \*5.2620 accuracies: 0.0000 0.0000 0.0000  
upside-down: no  
Initial pre position: (Gardoor)  
0.950 0.280 0.000 -1.458  
-0.280 0.960 0.000 39.692  
0.000 0.000 1.000 50.581  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '151'

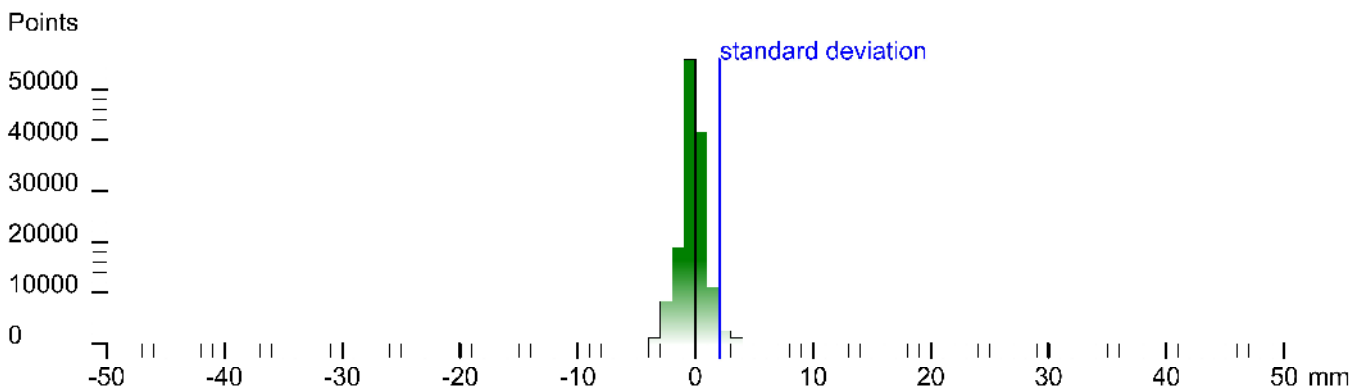
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.997553 -0.069931 0.000435 1.7549 m
0.069931 0.997552 -0.001188 -19.0767 m
-0.000351 0.001215 1.000000 4.7293 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 2.1 mm

## Deviation histogram



## Scan '151'

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: 0.997944 bar *28.209 m
nav translation: -2.3107 m -0.7513 m 128.0209 m accuracies: 6.3881 m 6.3881 m 0.0000 m
nav rotation: 0.0000 0.0000 *2.9810 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
0.971 0.225 0.000 -1.5798
-0.225 0.974 0.000 38.940
0.000 0.000 1.000 51.000?
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



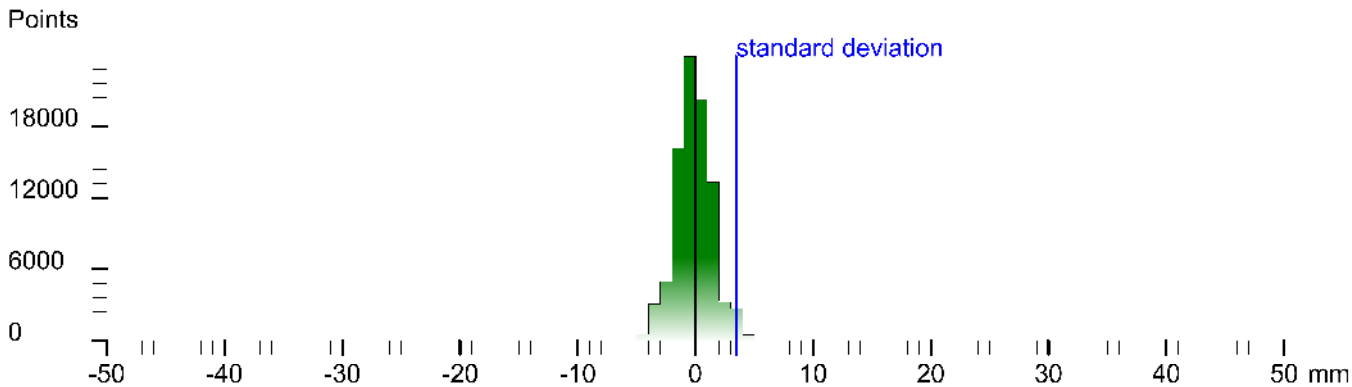
# Scan position '152'

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

```
-0.603966 -0.797011 -0.000507 -1.1187 m
0.797010 -0.603965 -0.001406 -17.8687 m
0.000814 -0.001253 0.999999 4.7265 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.5 mm

## Deviation histogram



## Scan '152'

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 name: 'Z+F IMAGER 5016' serial: '5016-0100' firmware: '9.0.3.6562-0'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 0.997884 bar *28.712 m
nav translation: 0.5735 m -0.6734 m 127.9933 m accuracies: 5.5768 m 5.5768 m 0.0000 m
nav rotation: 0.0000 0.0000 258.9378 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pos position: (0/door)
-3.521 -0.854 0.000 -15.225
0.654 -0.521 0.000 38.261
0.000 0.000 1.000 50.977
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '153'

Scan position is member of group(s):

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

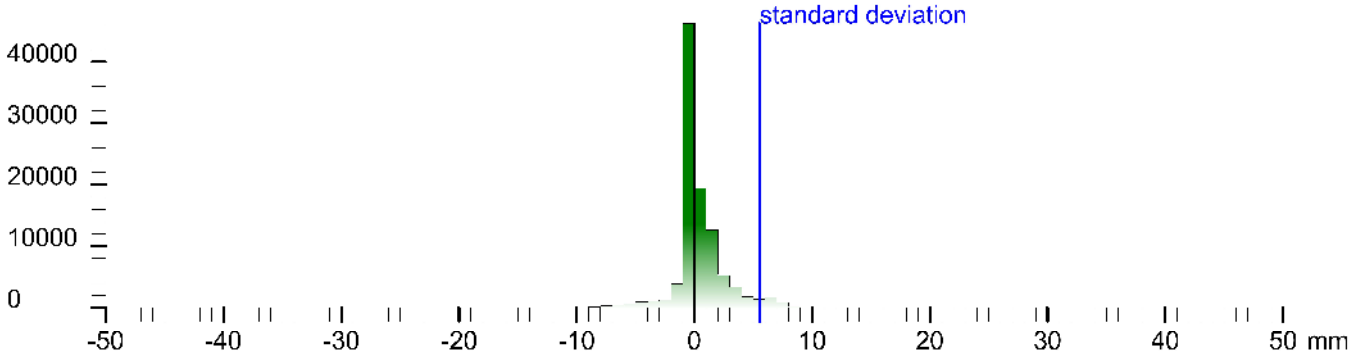
Registration matrix:

-0.597021	0.802200	-0.006635	-3.9708 m
-0.802189	-0.597052	-0.004802	-22.3346 m
-0.007813	0.002456	0.999967	4.7176 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:5.5 mm

## Deviation histogram

Points



## Scan '153'

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: '153' - name: '153' - group: '153' - type: 'M.La.' - Base: 'Epsilon Base' - coord: 'M.La.' - Base: 'Epsilon Base' - coord: 'Epsilon' - type: 'Epsilon' - temperature: '20' - status: 'Scan' - position: '153' - quality: 'High' - resolution: '4000' - format: '20' - bit: '30'
```

Sensor

sensors: 3096 \*barome or transition rotation\*

Barometer: 0.997066 bar \*28.026 m

nav translation: -1.5987 m 2.0650 m 128.5913 m accuracies: 0.4305 m 0.4305 m 0.0000 m

nav rotation: 0.0000 0.0000 \*33.1458 accuracies: 0.0000 0.0000 1s.0000

upside-down: no

Initial pre position: (Girdoor)

-3.687 0.730 0.000 -16.824

-0.780 -0.684 0.000 40.326

0.000 0.000 1.000 51.576

0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '154'

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

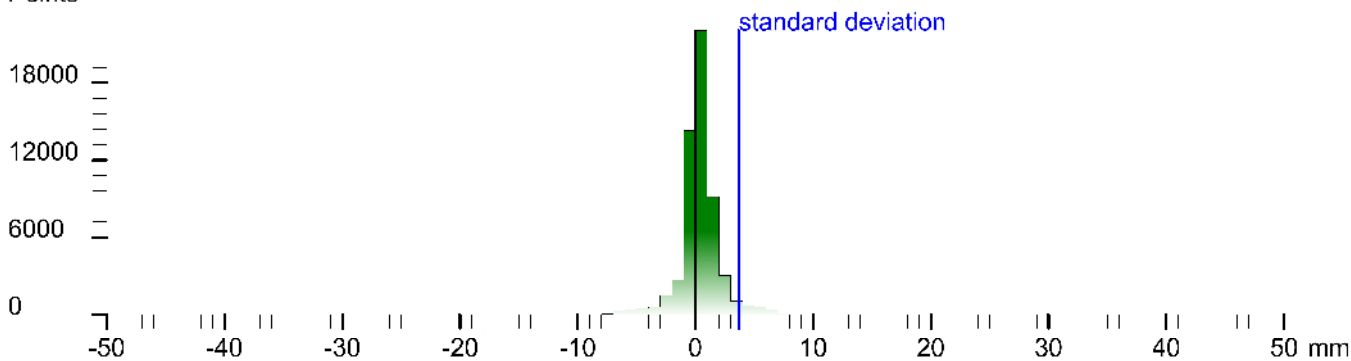
```

0.013386  0.999888  -0.006866  -7.3373 m
-0.999899  0.013352  -0.005087  -24.6386 m
-0.004995  0.006934  0.999964  4.6843 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 3.7 mm

## Deviation histogram

Points



## Scan '154'

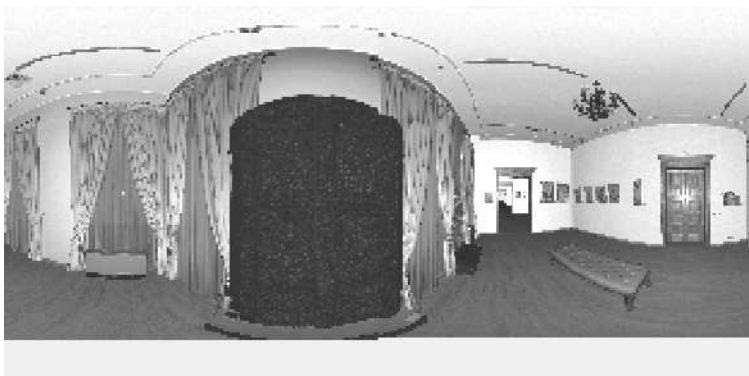
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

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

```

Sensor:
sensors: 3096 *barometric transition rotation*
Barometer: 0.997929 bar /28.336 m
nav translation: 1.2117 m 3.7865 m 128.3273 m accuracies: 7.1166 m 7.1166 m 0.0000 m
nav rotation: 0.0000 0.0000 91.5773 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
-3.028 1.000 0.000 -15.610
-1.000 -0.026 0.000 44.113
0.000 0.000 1.000 51.308
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '155'

Scan position is member of group(s):

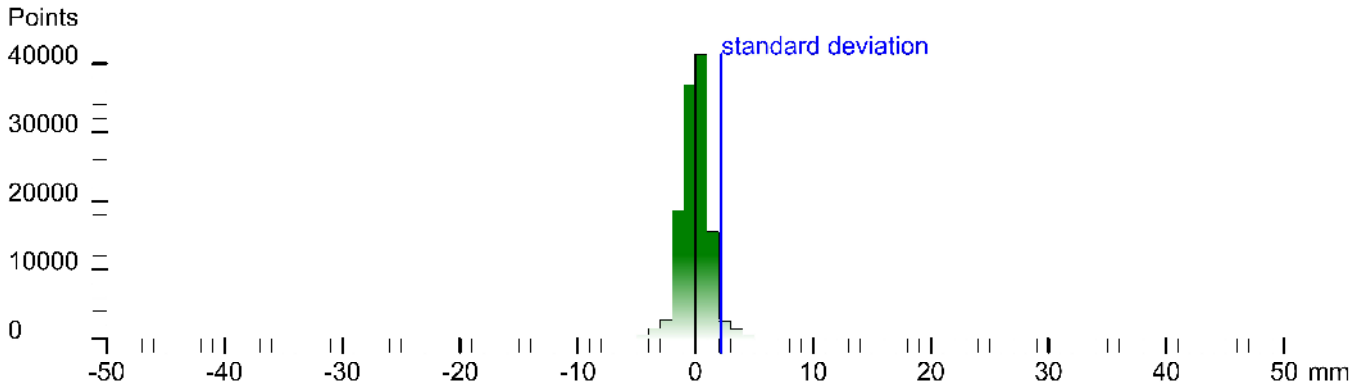
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

```
-0.291015 -0.956691 -0.007467 -9.6584 m
0.956717 -0.290987 -0.004810 -19.8813 m
0.002428 -0.008545 0.999961 4.6984 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.2 mm

## Deviation histogram



## Scan '155'

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: 0.997897 bar / 28.808 m  
 nav translation: 1.7284 m -3.5835 m 128.0394 m accuracies: 0.328° m 0.328° m 0.0000 m  
 nav rotation: 0.0000 0.0000 2/2.2/09 accuracies: 0.0000 0.0000 1s.0000  
 up/down: no

Initial position (Girdoor)  
 0.040 -0.899 0.000 -13.884  
 0.999 0.040 0.000 43.529  
 0.000 0.000 1.000 51.071  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



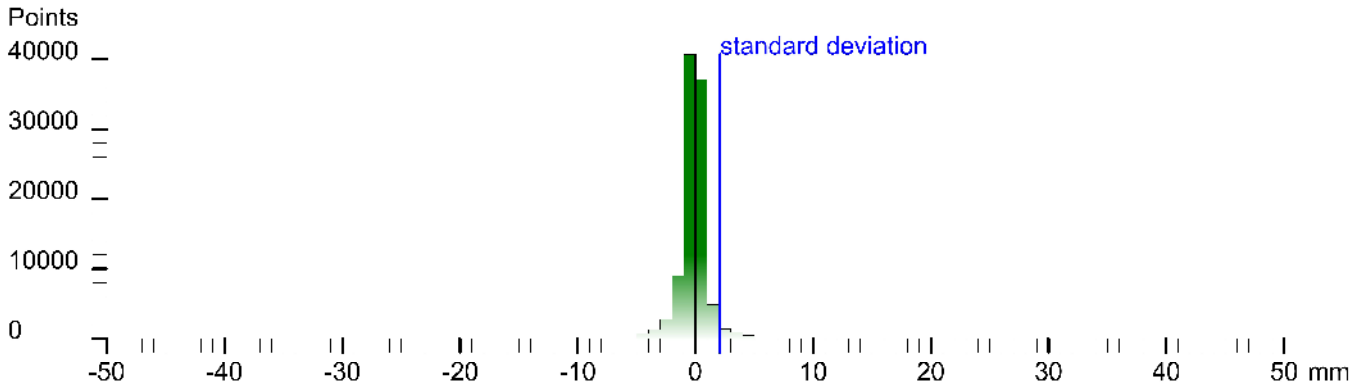
# Scan position '156'

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

-0.098321	0.995132	-0.007100	-13.2283 m
-0.995143	-0.098353	-0.004413	-14.9463 m
-0.005088	0.006632	0.999966	4.6925 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:2.1 mm

### Deviation histogram



### Scan '156'

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

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

comment	operator
<small>Scan position: '156' - name: '156' - group: '156' - M.Lat: '156' - M.Lon: '156' - M.Alt: '156' - M.Roll: '156' - M.Pitch: '156' - M.Yaw: '156' - M.Sensor: '156'</small>	
sensors: 3096 *barometer (transition rotation)	
Barometer: 0.997990 bar / 27.819 m	
nav translation: 2.2670 m -1.0362 m 127.6739 m accuracies: 0.3737 m 0.3737 m 0.0000 m	
nav rotation: 0.0000 0.0000 95.1407 accuracies: 0.0000 0.0000 0.0000	
upside-down: no	
Initial pre position: (Girdoor)	
-3.055 0.988 0.000 -11.617	
-0.998 -0.086 0.000 42.492	
0.000 0.000 1.000 50.555	
0.000 0.000 0.000 1.000	

Level system info: dynamic compensator available.



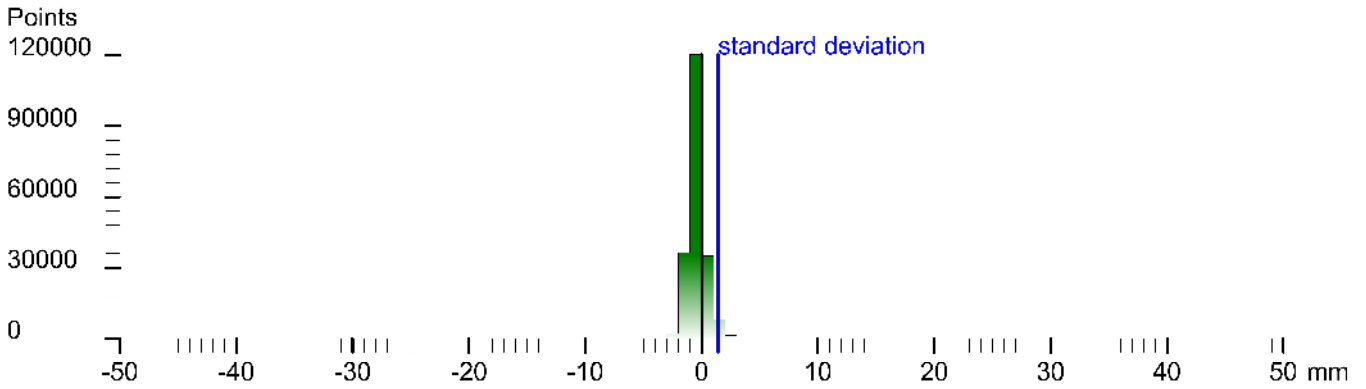
# Scan position '157'

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

```
-0.327767 -0.944730 -0.007592 -16.3496 m  
0.944759 -0.327744 -0.004027 -11.7918 m  
0.001315 -0.008493 0.999964 4.6821 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.4 mm

## Deviation histogram



## Scan '157'

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: '157' - name: '157' - group: '57' - type: 'M.L. (Basic) Epulor Basic' - color: 'M.L. (Basic) Epulor Basic' - position: '157' - sensor: 'Z+F IMAGER 5016' - resolution: 'High' - quality: 'Normal' - format: '20' - scan: '157' - sensor: 'Z+F IMAGER 5016' - resolution: 'High' - quality: 'Normal' - format: '20' - scan: '157'  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 0.997908 bar *28.51 m  
nav translation: 0.9106 m 1.313 m 127.7763 m accuracies: 5.8385 m 5.8385 m 0.0000 m  
nav rotation: 0.0000 0.0000 259.3931 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pos position: (0 indoor)  
-3.252 -0.968 0.000 -10.70°  
0.968 -0.252 0.000 43.62°  
0.000 0.000 1.000 50.758  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '158'

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

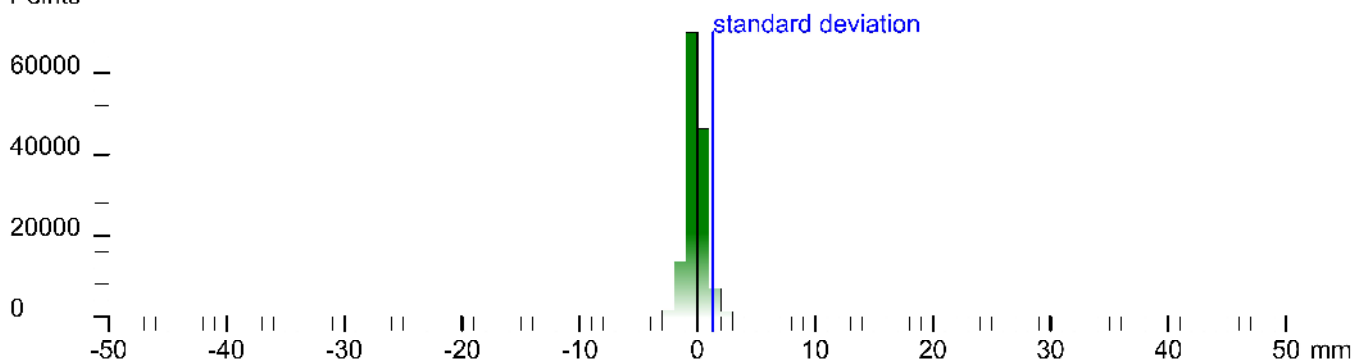
```

-0.157469 -0.987497 -0.007449 -16.8826 m
 0.987518 -0.157436 -0.004931 -16.5619 m
 0.003695 -0.008134  0.999961  4.6569 m
 0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 1.3 mm

### Deviation histogram

Points



### Scan '158'

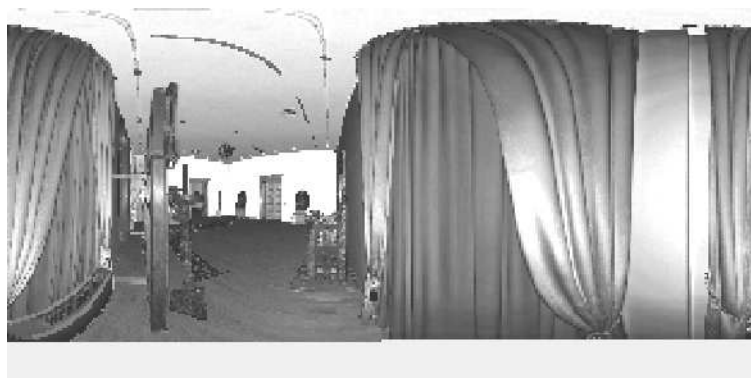
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 0.997973 bar /27.962 m
nav translation: 0.3208 m 2.2806 m 128.2374 m accuracies: 6.2722 m 6.2722 m 3.0002 m
nav rotation: 0.0000 0.0000 2/3.9899 accuracies: 0.0000 0.0000 16.0000
upside-down: no
Initial pos position: (Girdoor)
0.070 -0.998 0.000 -10.386
0.998 0.070 0.000 48.914
0.000 0.000 1.000 51.218
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'

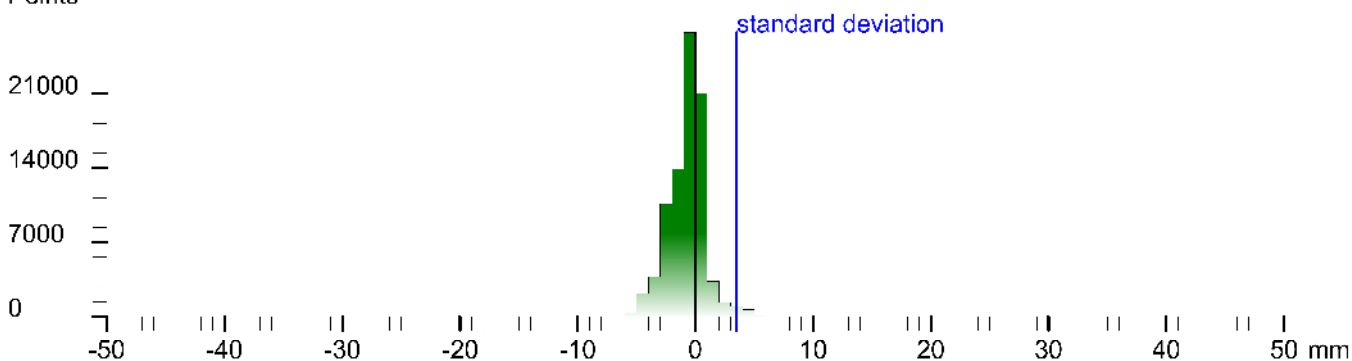
Registration matrix:

```
-0.984776 -0.173831 0.000123 -8.8769 m
0.173831 -0.984776 -0.000136 -15.5896 m
0.000144 -0.000113 1.000000 0.6239 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.5 mm

## Deviation histogram

Points



## 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 command: 'cd "/>

```

Level system info: dynamic compensator available.



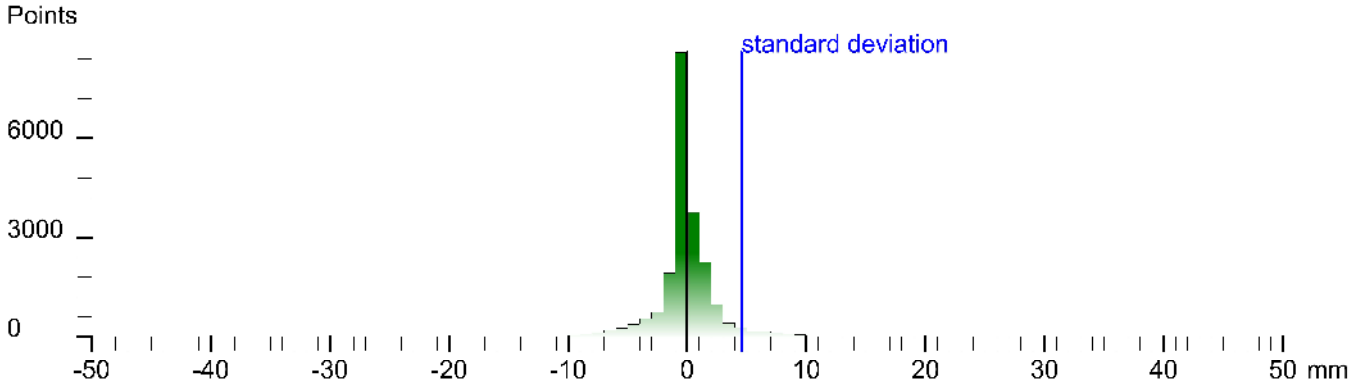
# Scan position '160'

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

```
-0.469301  0.883008  -0.007560  -19.3391 m
-0.883015  -0.469334  -0.003542  -13.7096 m
-0.006676  0.005014  0.999966   3.2669 m
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation:4.6 mm

## Deviation histogram



## Scan '160'

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: -41.1308103 3.3171461 1.4811907 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000
Sensor
sensors: 3096 "barometric transition rotation"
Barometer: 0.998103 bar / 28.864 m
nav translation: 0.0000 m 0.0000 m 126.0048 m accuracies: 5.1000 m 5.1000 m 3.0000 m
nav rotation: 0.0000 0.0000 24.1054 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
-3.561 0.828 0.000 -13.435
-0.828 -0.006 0.000 44.998
0.000 0.000 1.000 49.586
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '161'

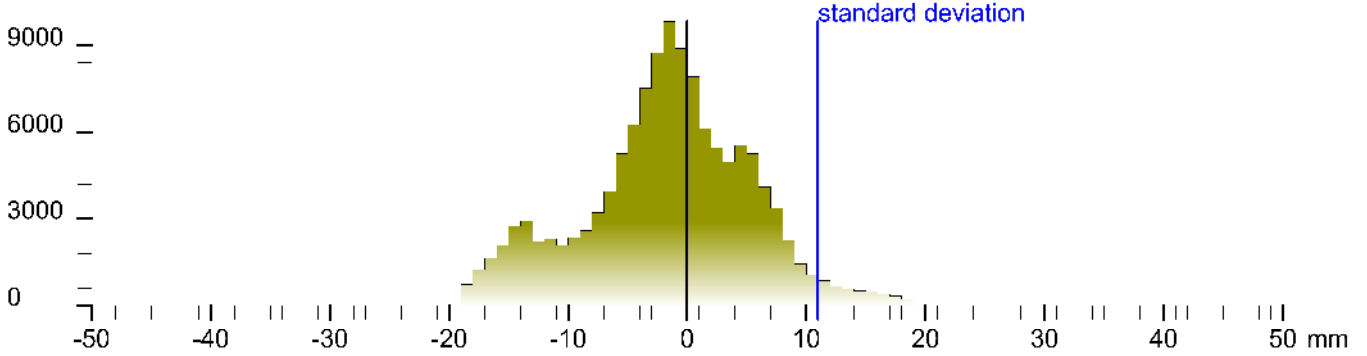
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.433048  0.901366  0.003198 -20.3100 m  
-0.901364  0.433056 -0.002616 -15.4204 m  
-0.003742 -0.001749  0.999992  4.9167 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 11.0 mm

## Deviation histogram

Points



## Scan '161'

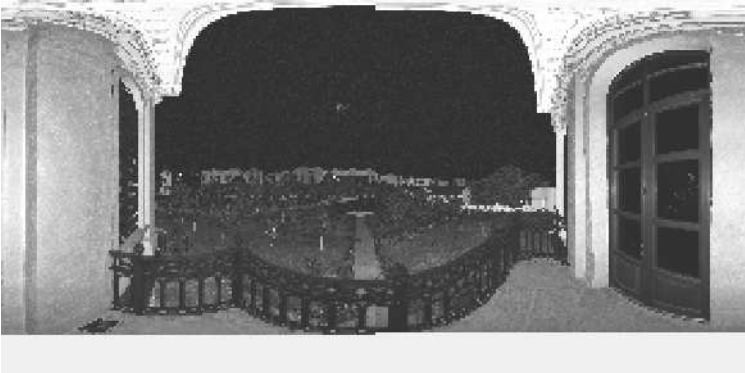
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

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

comment	
operator	

```
Scan position: '161' [102h] registered with cloud to cloud  
Sensor  
sensors: 3100 *barometric transition rotation gps  
Barometer: 0.998036 bar *27.43 m  
nav translation: -1.7007 m 3.5285 m 127.5011 m accuracies: 7.1946 m 7.1946 m 0.0001 m  
nav rotation: 0.0000 0.0000 /6.2129 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
GPS lat: 45.157285 long: 26.819105 satellites: 6 height: 134.6m hddo: 2.2 vdcv: 2.8m hacc: 8.0m vacc: 6.6 flags: G3's are alone 3D solution'  
north: 5000438.209 m east: 489781.780 m zone: 35T  
Initial pre position (3.o. t.coord)  
0.238 0.971 0.000 - 8.136  
-0.971 0.238 0.000 45.526  
0.000 0.000 1.000 50.482  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



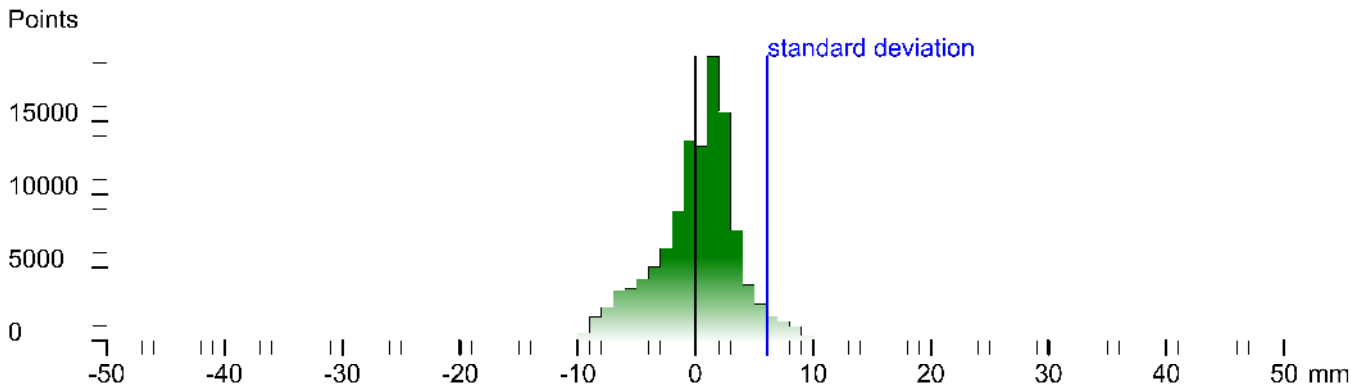
# Scan position '162'

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

```
0.857425 -0.514602 0.002780 -21.3173 m
0.514608 0.857423 -0.002553 -14.0932 m
-0.001068 0.003619 0.999993 4.9409 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:6.1 mm

## Deviation histogram



## Scan '162'

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: 0.998035 bar *27.442 m
nav translation: -3.4222 m -1.3958 m 127.1952 m accuracies: 5.9517 m 5.8517 m 0.0000 m
nav rotation: 0.0000 0.0000 345.7768 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS: lat:45.157291 long:26.819113 satellites:6 height:102.8 m hdop:2.4 vdos:2.8 m hacc:0.4 m vacc:11.0 fllgs:G3 *stand alone 3D solution*
north:5000438.632 m east:488782.381 m zcra:35T
Initial pre position (3-coo. tocoor):
0.989 -0.246 0.000 -18.558
0.248 0.989 0.000 44.31
0.000 0.000 1.000 50.77
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '164'

Scan position is member of group(s):

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

Registration matrix:

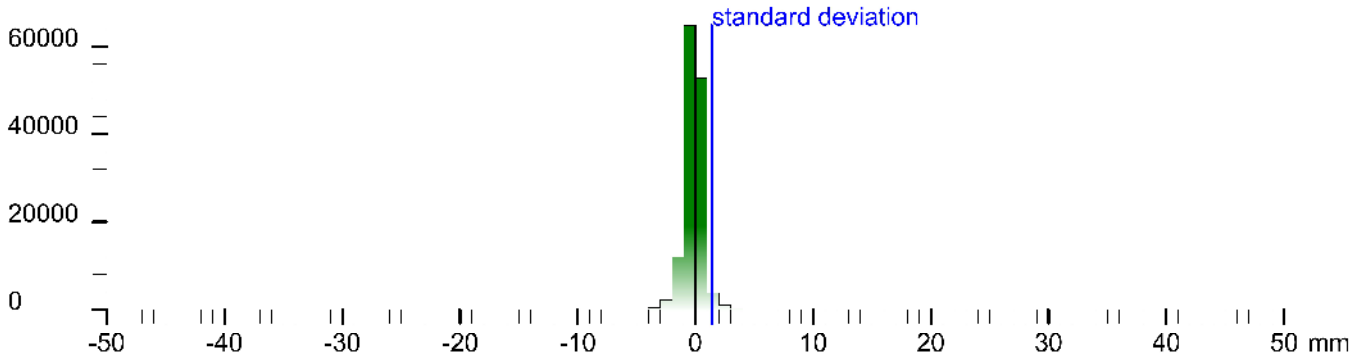
```

0.680967  0.732277  -0.007644  -21.0278 m
-0.732313  0.680957  -0.004307  -10.6169 m
0.002053  0.008532  0.999963    4.6576 m
0.000000  0.000000  0.000000    1.0000
    
```

Result registration cloud to cloud standard deviation: 1.4 mm

## Deviation histogram

Points



## Scan '164'

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

Scan resolution 'High' quality 'Normal'

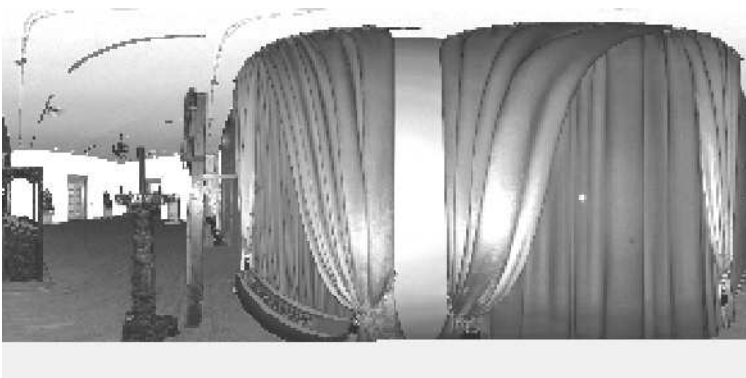
Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*

Barometer: 0.998092 bar / 28.957 m  
 nav translation: 0.0000 m 0.0000 m 126.7600 m accuracies: 5.1000 m 5.1000 m 0.0000 m  
 nav rotation: 0.0000 0.0000 0.17804 accuracies: 0.0000 0.0000 0.0000  
 up/down: no

Initial position (Girdoor)  
 0.619 0.786 0.000 -9.409  
 -0.786 0.619 0.000 3.531  
 0.000 0.000 1.000 49.447  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '166'

Scan position is member of group(s):

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

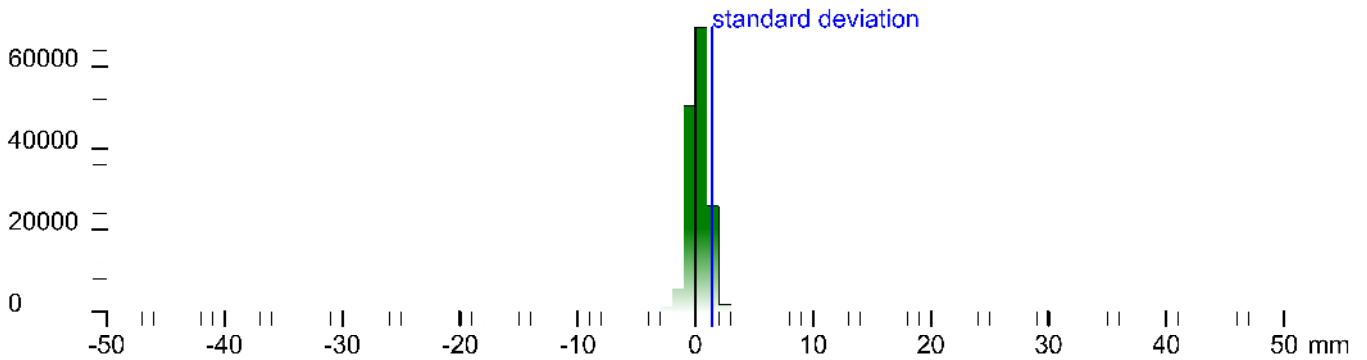
Registration matrix:

```
0.929194 -0.369538 -0.006558 -11.6342 m
0.369520 0.929216 -0.003963 -12.7098 m
0.007559 0.001257 0.999972 4.7208 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.4 mm

## Deviation histogram

Points



## Scan '166'

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: 0.998071 bar / 27.137 m  
nav translation: 0.0000 m 0.0000 m 126.9620 m accuracies: 5.1000 m 5.1000 m 3.0000 m  
nav rotation: 0.0000 0.0000 346.468 / accuracies: 0.0000 0.0000 1s.0000  
upside-down: no

Initial pnc position: (Girdoor)  
0.972 -0.234 0.000 -18.294  
0.234 0.972 0.000 32.456  
0.000 0.000 1.000 49.944  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '168'

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

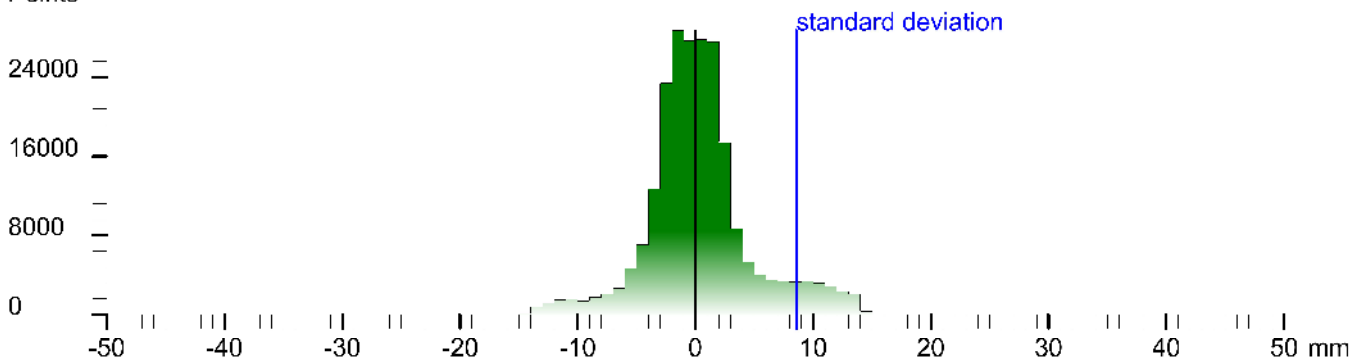
```

0.976507  0.215489  0.000347  -6.7632 m
-0.215489  0.976506  -0.000887  25.5111 m
-0.000529  0.000791  1.000000  0.4304 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation:8.6 mm

## Deviation histogram

Points



## Scan '168'

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: 0.998592 bar / 22.745 m
nav translation: 0.0000 m 0.0000 m 122.8603 m accuracies: 5.1000 m 5.1000 m 3.0000 m
nav rotation: 0.0000 0.0000 23.5895 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.157639 long:26.819408 satellites:5 height:119.1 m hdop:3.0 vdox:3.5 m hacc:15.0m vecc:14.0 fsgs:G3 'stand alone 3D solution'
north:5000478.143 m east:489805.707 m zone:35T
Initial pre position (3-coo, tocoo):
0.937 0.348 0.000 - 6.166
-0.348 0.937 0.000 31.485
0.000 0.000 1.000 45.542
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.







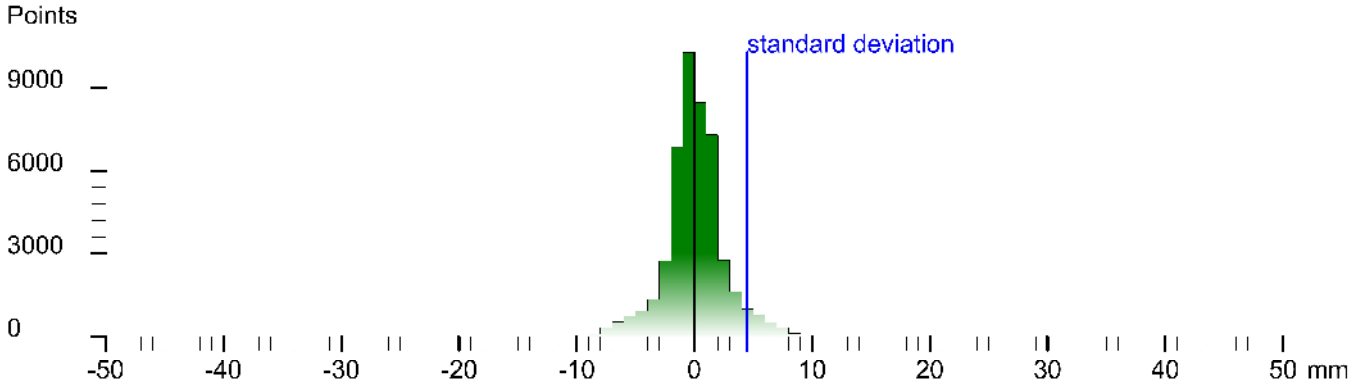
# Scan position '17'

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

```
-0.880233  0.474543  0.000249 -11.3414 m
-0.474543 -0.880233  0.000297 -19.6702 m
0.000361  0.000143  1.000000  0.6327 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:4.5 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	

```
Scan position: '17' group: '102h' name: '17' type: 'Local Backdoor Epifluor Backdoor'...
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.004008 bar 77.2267 m
nav translation: -3.9285 m 2.0519 m 70.9922 m accuracies: 6.2382 m 6.2382 m 0.0000 m
nav rotation: 0.0000 0.0000 *53.4204 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
-3.89 / 0.477 0.000 -12.057
-0.44 / -0.884 0.000 8.202
0.000 0.000 1.000 -0.029
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '170'

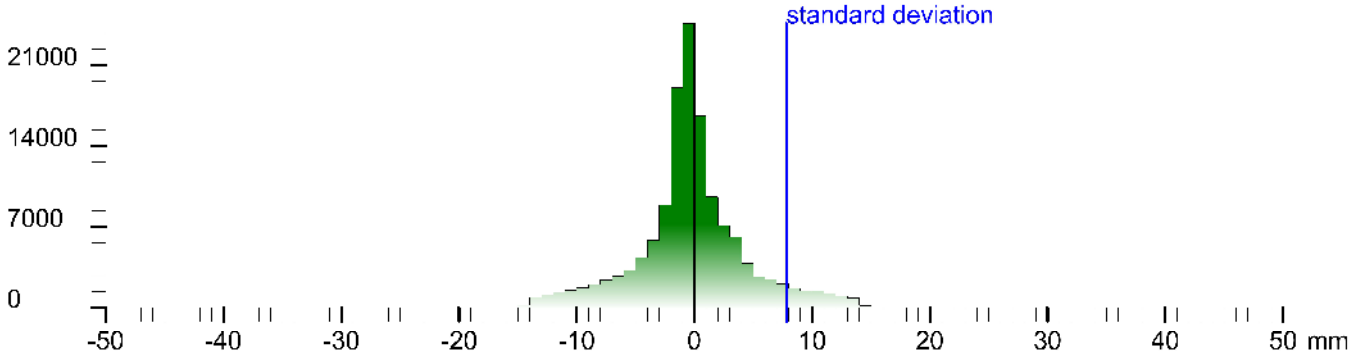
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.935697 -0.352805 -0.000487 12.9396 m
0.352805 -0.935697 0.000690 8.9460 m
-0.000699 0.000474 1.000000 0.0391 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 7.8 mm

## Deviation histogram

Points



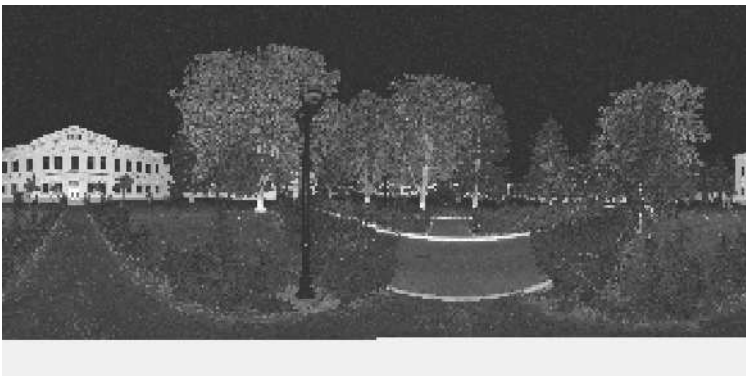
## Scan '170'

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: -41.139846 3.331114 1.461170 70.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000
Sensor
sensors: 3100 *barome or transition rotation gps
Barometer: 0.998891 bar / 21.814 m
nav translation: -3.7180 m -0.9903 m 12.14708 m accuracies: 5.7219 m 5.7219 m 0.0000 m
nav rotation: 0.0000 0.0000 202.4/48 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat: 45.157395 long: 26.819502 satellites: 5 height: 133.8m hdx: 2.5 vdc: 3.0m hacc: 3.0m vacc: 17.0 tags: G3 *stand alone 3D solution
north: 5000451.1 / 13 m east: 489820.036 m zone: 35T
Initial pre position (3-coor):
-0.992 -0.382 0.000 6.253
0.362 -0.924 0.000 6.430
0.000 0.000 1.000 44.452
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '172'

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

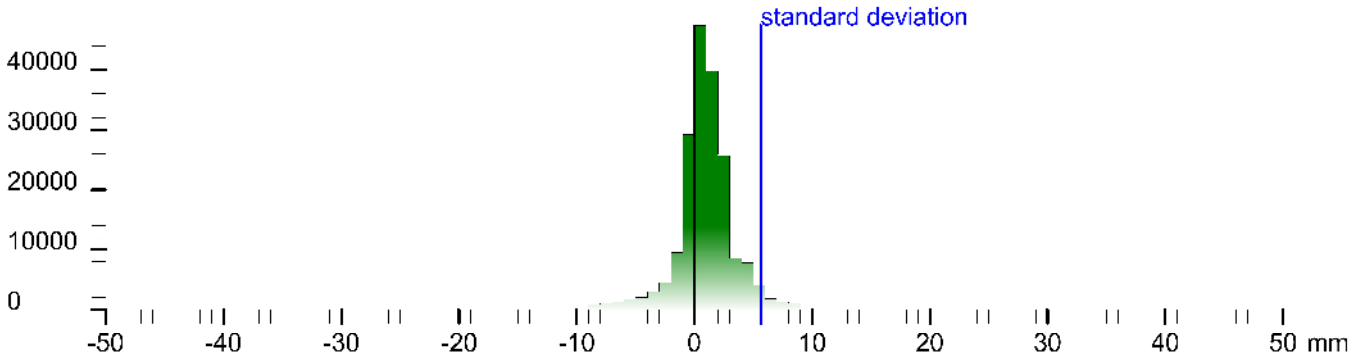
```

0.778246 -0.627960 -0.000201 8.0225 m
0.627960 0.778246 0.000926 -28.4445 m
-0.000425 -0.000846 1.000000 0.4859 m
0.000000 0.000000 0.000000 1.0000
  
```

Result registration cloud to cloud standard deviation:5.6 mm

## Deviation histogram

Points



## Scan '172'

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: '172' in group(s): '172'
Sensor
sensors: 3100 *barometric transition rotation gps
Barometer: 0.998637 bar / 22.367 m
nav translation: -20.9858 m -0.8915 m 122.0574 m accuracies: 15.7908 m * 5.7908 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 15.0000
upside-down: no
GPS: lat:45.157116 lng:26.819420 satellites:4 height:135.3 m hdop:1.8 vdoop:1.0 m hacc:15.0 m vacc:7.5 tags:G2 'stand alone 2D solution'
Initial pre position (3-coord):
0.680 -0.476 0.000 -5.245
0.478 0.800 0.000 -23.157
0.000 0.000 1.000 45.039
0.000 0.000 0.000 1.000
  
```

Level system info: dynamic compensator available.



# Scan position '173'

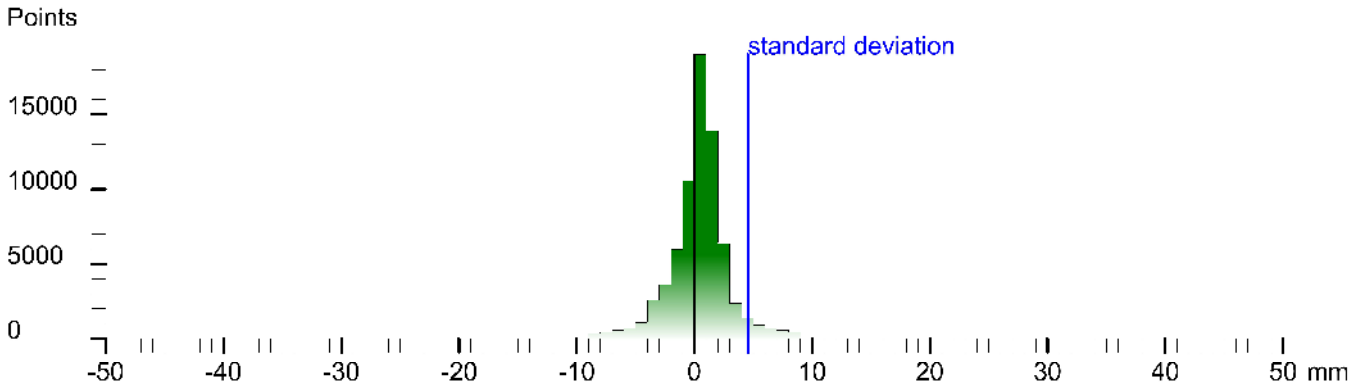
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.940428 -0.339996 0.000273 -3.0390 m
0.339995 0.940428 0.000964 -39.9550 m
-0.000584 -0.000813 1.000000 0.8136 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation:4.5 mm

## Deviation histogram



## Scan '173'

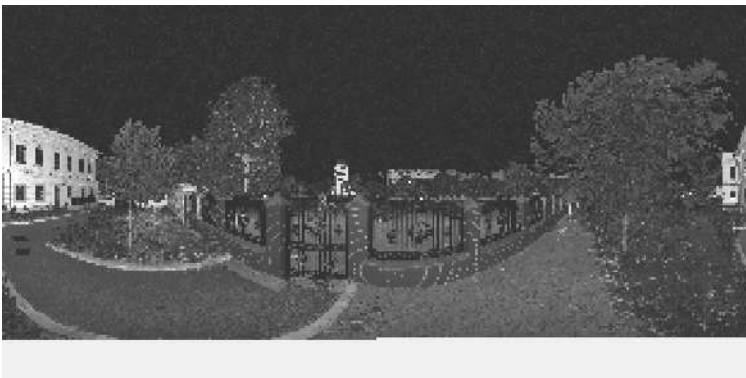
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Scan comment: '173'
Sensor
sensors: 3100 *barome or transition rotation gps
Barometer: 0.998631 bar * 22.419 m
nav translation: -5.0124 m 8.3079 m 122.1084 m accuracies: 11.2787 m 11.2787 m 0.0000 m
nav rotation: 0.0000 0.0000 347.3122 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat:45.157032 long:26.819256 satellites:6 height:128.8m hddo:*.3 vdcpl:1.6m hacc:6.0-m vacc:7.4 flags:G3 stand alone 3D solution
north:5000410.790 m east:488793.560 m zone:35T
Initial pre position (3-coo. tocoor)
0.976 -0.270 0.000 -18.156
0.220 0.376 0.000 -32.480
0.000 0.000 1.000 45.090
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



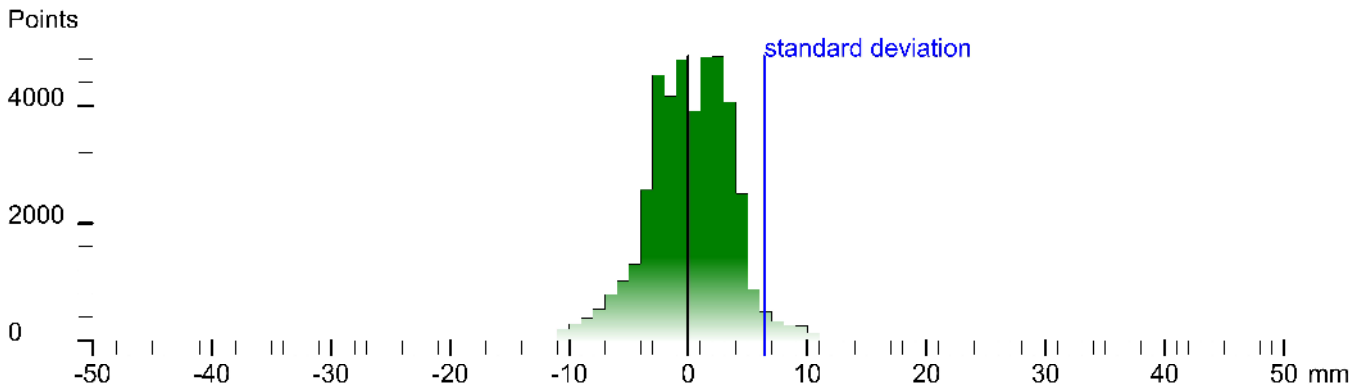
# Scan position '174'

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

```
0.279318 -0.960196 0.002646 -24.1382 m
0.960198 0.279312 -0.002529 -30.9637 m
0.001689 0.003247 0.999994 0.2622 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:6.4 mm

## Deviation histogram



## Scan '174'

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: 'Z+F IMAGER 5016' serial: '5016-0100' firmware: '9.0.3.6562-0'
Sensor
sensors: 3100 * barometric transition rotation gps
Barometer: 0.998875 bar * 22.047 m
nav translation: -3.5553 m 21.1350 m 122.0336 m accuracies: 15.8759 m 15.8758 m 0.0000 m
nav rotation: 0.0000 0.0000 294.6742 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat: 45.157135 long: 26.819033 satellites: 7 height: 125.5m hddo: 1.1 vdcpl: 1.5m hacc: 4.6-m vaccl: 6.2 flags: G3 'stand alone 3D solution'
north: 5000422.271 m east: 485776.045 m zone: 35T
Initial pre position (3-coo. tocoor):
0.417 -0.909 0.000 -35.859
0.900 0.417 0.000 -20.970
0.000 0.000 1.000 45.015
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



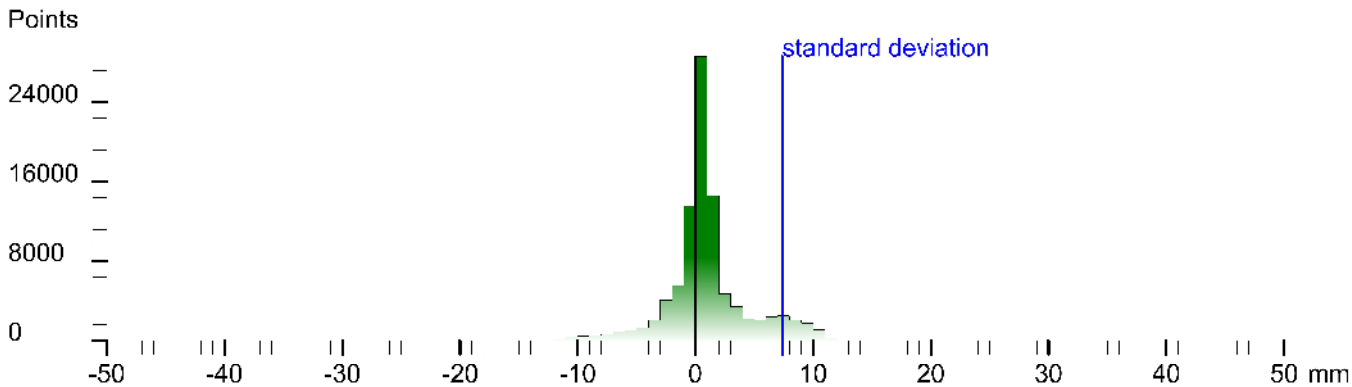
# Scan position '175'

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

```
0.972344  0.233532  0.003359 -33.8905 m
-0.233525 0.972348 -0.002341 -24.1637 m
-0.003813 0.001492 0.999992  0.4177 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 7.4 mm

## Deviation histogram



## Scan '175'

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: lat: 150848.333 longitude: 146175 longitude: 757514.118 altitude: 21.559 m elevation: 21.559 m  
Sensor  
sensors: 3100 * barometric transition rotation gps  
Barometer: 0.998733 bar * 21.559 m  
nav translation: 1.0433 m 10.914 m 12.1432 m accuracies: 10.0458 m 10.6458 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 0.0000  
upside-down: no  
GPS: lat: 45.157200 long: 26.818924 satellites: 6 height: 128.4m hdd: 2.0 vdd: 3.7m hacc: 8.0 m vacc: 14.0 flags: G3 's: a: s: b: 3D solution'  
north: 5000428.794 m east: 489767.516 m zone: 35T  
Initial pre position (300, tocoor):  
0.947 0.321 0.000 -34.615  
-0.321 0.947 0.000 -10.034  
0.000 0.000 1.000 41.25  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.







# Scan position '177'

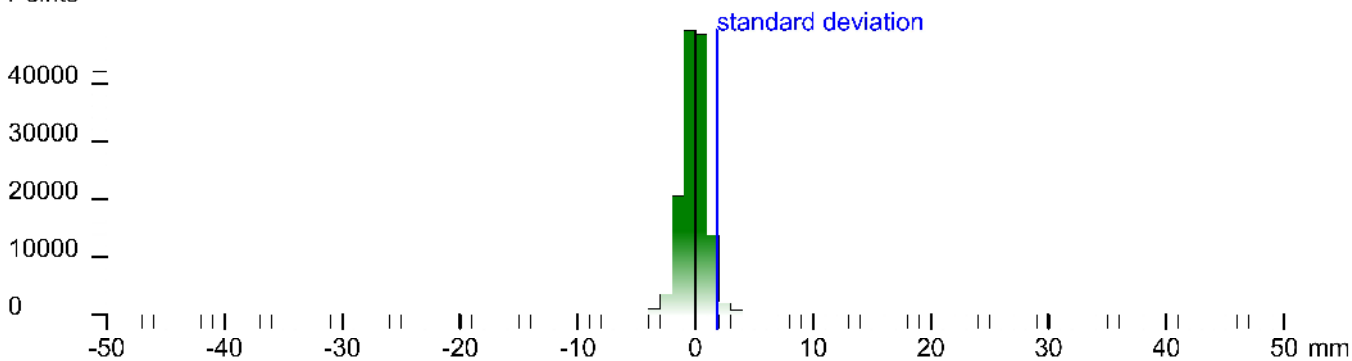
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.282776 -0.959159 -0.007433 -18.5767 m
0.959186 -0.282755 -0.003778 -3.2841 m
0.001520 -0.008199 0.999966 4.7422 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## Scan '177'

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: '177' - name: '177' - group: '77' - M.Lat: [Baseline] - M.Lon: [Baseline] - M.Alt: [Baseline] - M.Roll: [Baseline] - M.Pitch: [Baseline] - M.Yaw: [Baseline] - M.Temp: [Baseline] - M.Humidity: [Baseline] - M.Pressure: [Baseline] - M.Acceleration: [Baseline] - M.Magnetic: [Baseline] - M.Gyro: [Baseline] - M.Imagery: [Baseline] - M.Lens: [Baseline] - M.Filter: [Baseline] - M.Exposure: [Baseline] - M.Focus: [Baseline] - M.Shutter: [Baseline] - M.Sensor: [Baseline]
Sensors: 3096 *barometric transition rotation*
Barometer: 1.003101 bar 84.839 m
nav translation: 3.0025 m -0.6987 m 8° 3023 m accuracies: 6.6491 m 6.6491 m 0.0001 m
nav rotation: 0.0000 0.0000 259.6721 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
-3.247 -0.969 0.000 -31.613
0.959 -0.282 0.000 -10.734
0.000 0.000 1.000 7.263
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '178'

Scan position is member of group(s):

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

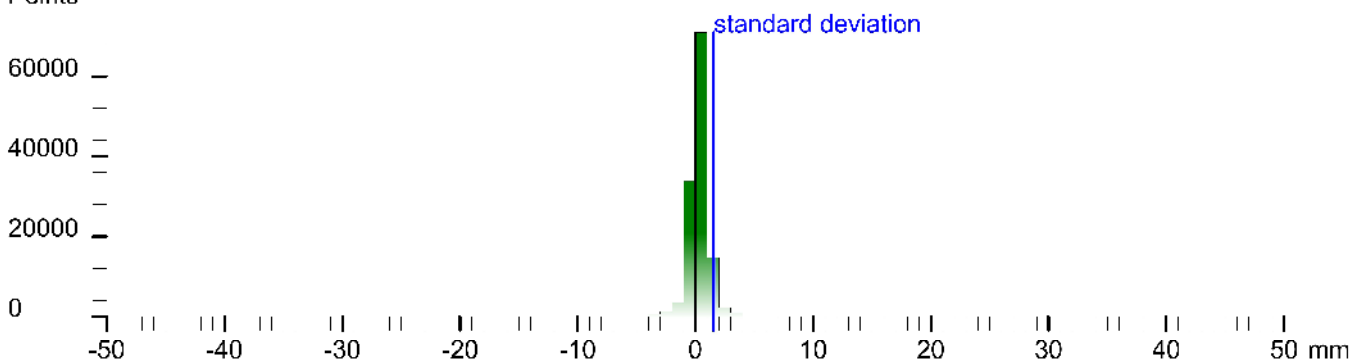
Registration matrix:

-0.732179	-0.681070	-0.007898	-24.0098 m
0.681107	-0.732176	-0.003753	-1.8876 m
-0.003227	-0.008128	0.999963	4.7100 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.6 mm

## Deviation histogram

Points



## Scan '178'

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: 178
Sensor: 3096
Barometer: 1.003110 bar 54.757 m
nav translation: 3.7484 m 1.8216 m 81.4385 m accuracies: 7.2287 m 7.2287 m 0.0000 m
nav rotation: 0.0000 0.0000 228.042 / accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial position (0/indoor)
-3.668 -0.744 0.000 -27.864
0.744 -0.669 0.000 -8.613
0.000 0.000 1.000 7.470
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '179'

Scan position is member of group(s):

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

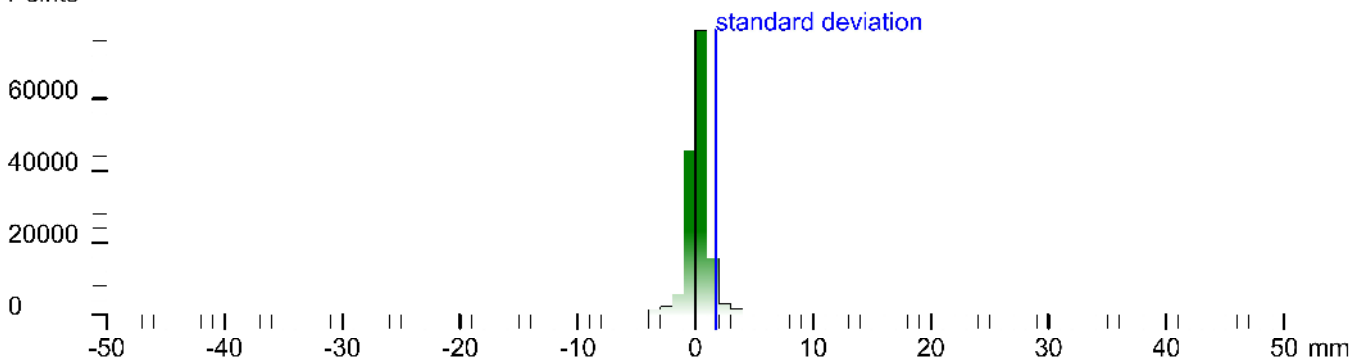
Registration matrix:

-0.895500	-0.444995	-0.007865	-22.9079	m
0.445030	-0.895511	-0.003334	-0.8228	m
-0.005561	-0.006485	0.999965	4.7204	m
0.000000	0.000000	0.000000	1.0000	

Result registration cloud to cloud standard deviation:1.7 mm

## Deviation histogram

Points



## Scan '179'

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

Scan resolution 'High' quality 'Normal'

<b>Metadata</b>	<b>Value</b>
-----------------	--------------

<b>comment</b>	Scan position: '179'
<b>operator</b>	
<b>Sensor</b>	Sensors: 3096 *barometric transition rotation*
	Barometer: 1.003138 bar 84.5239 m
	nav translation: 1.0382 m 0.8115 m 81.5004 m accuracies: 5.7843 m 5.7843 m 0.0000 m
	nav rotation: 0.0000 0.0000 218.1963 accuracies: 0.0000 0.0000 15.0000
	upside-down: no
	Initial prec position: (Girdoor)
	-3.786 -0.618 0.000 -26.826
	0.618 -0.786 0.000 -7.998
	0.000 0.000 1.000 7.542
	0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '18'

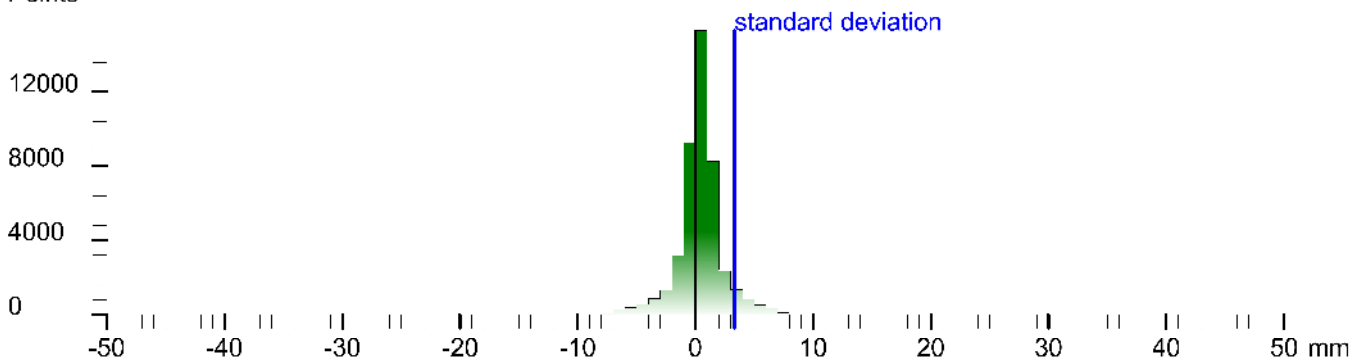
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.963240  0.268644  0.000122 -10.9485 m
-0.268644 -0.963240  0.000263 -14.1462 m
0.000189  0.000221  1.000000  0.6359 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:3.3 mm

## Deviation histogram

Points



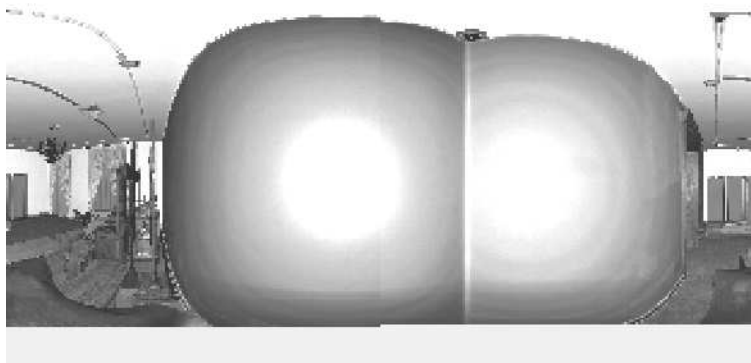
## Scan '18'

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: '18' - name: '18' - group: '18' - type: 'Point Cloud' - status: 'Registered' - registration: 'Cloud to Cloud' - standard deviation: '3.3 mm' - quality: 'Normal' - resolution: 'High' - sensor: 'Z+F IMAGER 5016'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.004000 bar 77.2937 m
nav translation: 2.0129 m 1.8417 m 77.1157 m accuracies: 6.4837 m 6.4837 m 0.0000 m
nav rotation: 0.0000 0.0000 *73.7936 accuracies: 0.0000 0.0000 1s:0.0000
upside-down: no
Initial pre position (Girdoor)
-3.997 0.108 0.000 -10.314
-3.108 -0.984 0.000 10.347
0.000 0.000 1.000 0.135
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



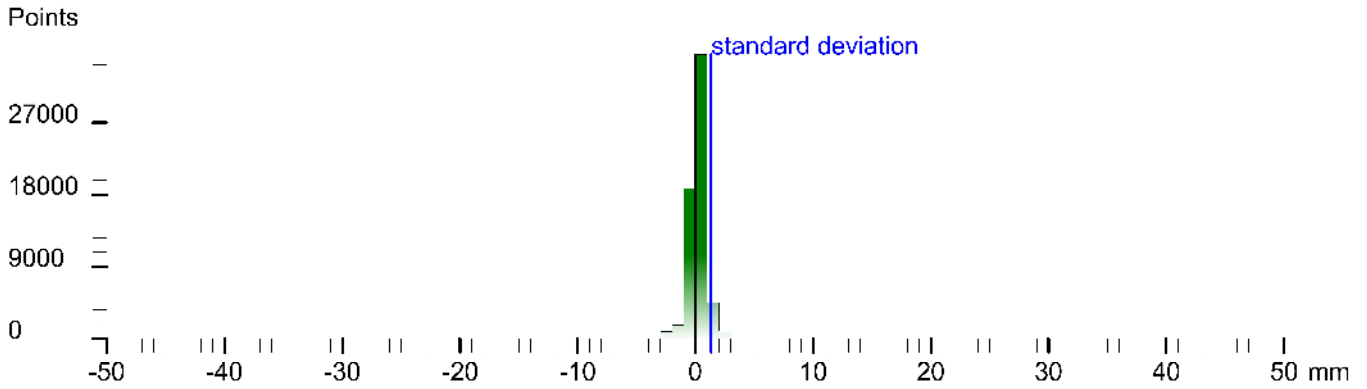
# Scan position '180'

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

```
-0.955610 -0.294539 -0.007772 -24.8571 m
 0.294573 -0.955623 -0.003640 -0.3860 m
-0.006356 -0.005768 0.999964 4.6983 m
 0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.4 mm

## Deviation histogram



## Scan '180'

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: '180' - channel: '180' - target: '180' - position: '180' - orientation: '180'

Sensors: 3096 'barometric transition rotation'  
Barometer: 1.003189 bar 84.0937 m  
nav translation: 1.2005 m 1.2380 m 83.7048 m accuracies: 5.9803 m 5.9803 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 \* 90.1355 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/0/0)  
-3.965 -0.26 0.000 -25 020  
0.261 -0.965 0.000 -6.760  
0.000 0.000 1.000 6.666  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '182'

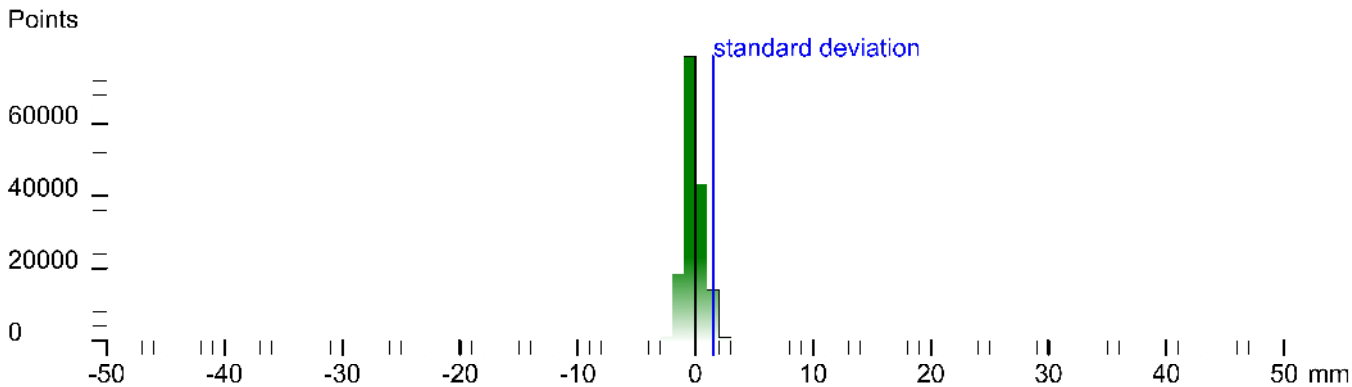
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.998974  0.044739  -0.007214  -22.0593 m
-0.044756  0.998997  -0.002363   3.3237 m
0.007102  0.002683  0.999972   4.7335 m
0.000000  0.000000  0.000000   1.0000
    
```

Result registration cloud to cloud standard deviation: 1.5 mm

## Deviation histogram



## Scan '182'

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: '182'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.003281 bar 83.3253 m
nav translation: 0.9208 m -1.0416 m 83.1997 m accuracies: 5.0707 m 6.0707 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0621 accuracies: 0.0000 0.0000 0.0000
upside-down: no
Initial pre position: (0 indoor)
0.966 0.260 0.000 -23.828
-0.260 0.966 0.000 -7.076
0.000 0.000 1.000 6.161
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.





# Scan position '183'

Scan position is member of group(s):

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

Registration matrix:

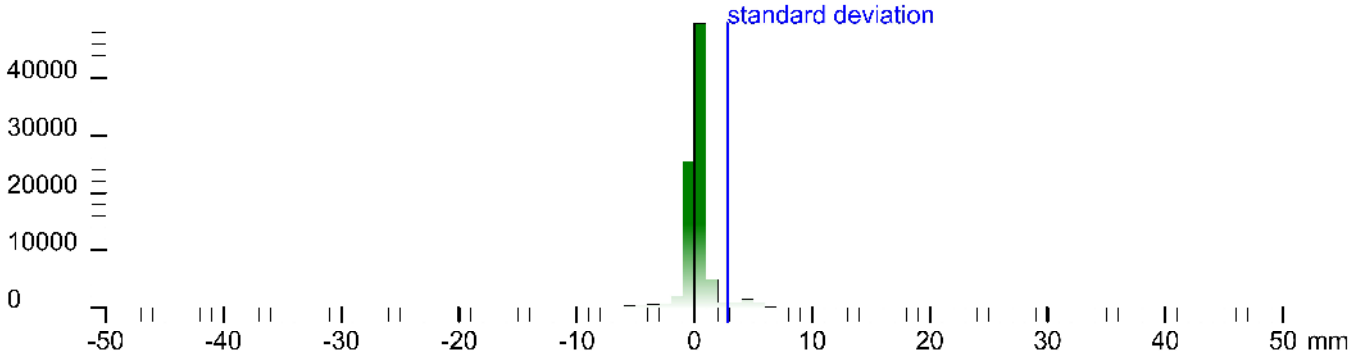
```

0.941367 -0.337316 -0.007073 -21.4706 m
0.337311 0.941393 -0.001982 10.6711 m
0.007328 -0.000521 0.999974 4.7583 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 2.8 mm

## Deviation histogram

Points



## Scan '183'

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: 1.003261 bar 83.4894 m
nav translation: -3.4850 m -2.0275 m 83.1655 m accuracies: 6.4555 m 5.4555 m 0.0000 m
nav rotation: 0.0000 0.0000 558.4/84 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
1.000 -0.027 0.000 -21.313
0.027 1.000 0.000 -9.703
0.000 0.000 1.000 6.147
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '184'

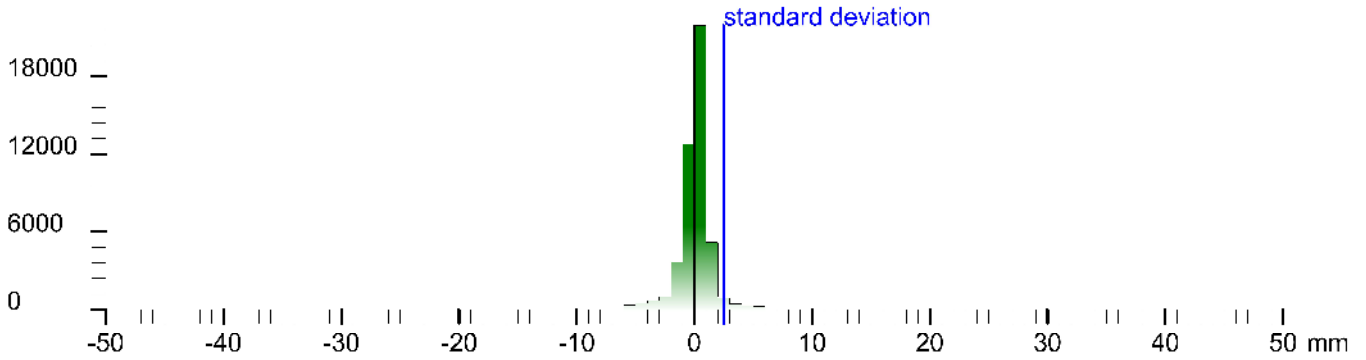
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.324919 -0.945717 -0.007113 -19.2435 m
0.945744 -0.324913 -0.002250 12.2250 m
-0.000184 -0.007460 0.999973 4.7807 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:2.5 mm

## Deviation histogram

Points



## Scan '184'

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 *barome or transition rotation*
Barometer: 1.003343 bar 62.808 m
nav translation: -1.0002 m -2.3293 m 82.5321 m accuracies: 6.2504 m 6.2504 m 0.0001 m
nav rotation: 0.0000 0.0000 2b2a349 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pos position: (Girdoor)
-3.250 -0.968 0.000 -25.373
0.968 -0.2=0 0.000 -11.732
0.000 0.000 1.000 5.5*4
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '185'

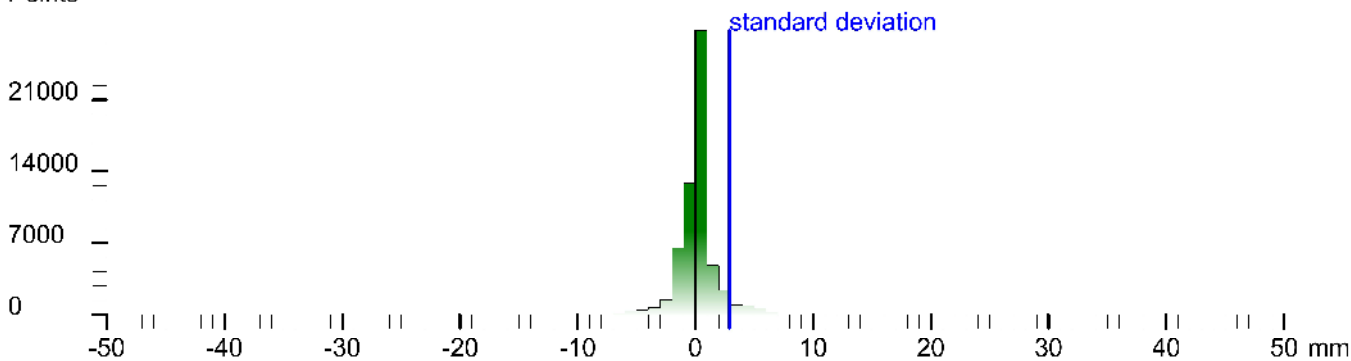
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.760406 0.649419 -0.006554 -16.0417 m
-0.649441 0.760411 -0.002185 11.5682 m
0.003566 0.005918 0.999978 4.7972 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:2.9 mm

## Deviation histogram

Points



## Scan '185'

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: 1.003306 bar 83.1183 m
nav translation: -3.1975 m 3.7088 m 82.8773 m accuracies: 5.9928 m 5.9928 m 0.0000 m
nav rotation: 0.0000 0.0000 55.5124 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position (Girdoor)
0.595 0.804 0.000 -25.508
-0.804 0.595 0.000 -8.023
0.000 0.000 1.000 5.859
0.000 0.000 0.000 1.000

```

Level system info: dynamic compensator available.



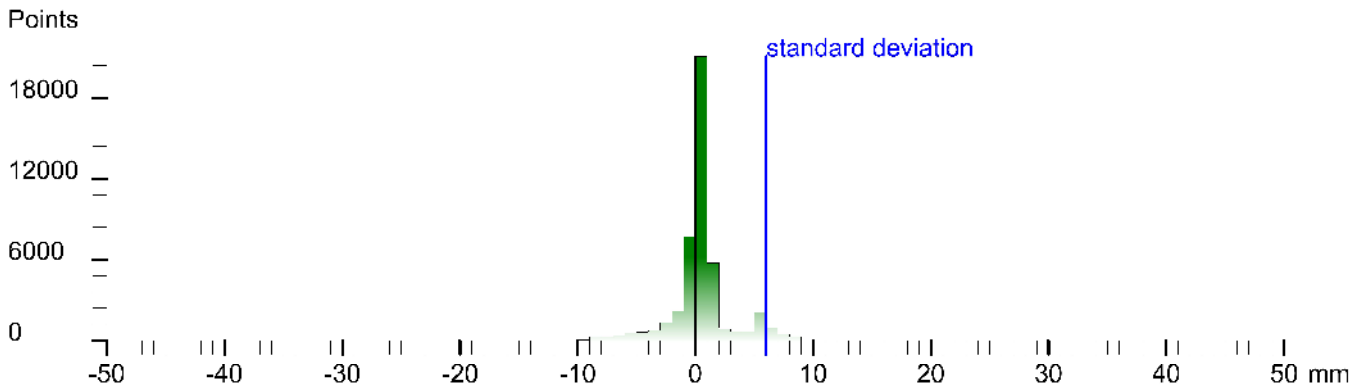
# Scan position '186'

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

```
0.293290  0.956006  -0.006255  -16.5800 m
-0.956026 0.293283  -0.002094  10.2640 m
-0.000167 0.006596  0.999979   4.7885 m
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation:6.0 mm

## Deviation histogram



## Scan '186'

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: '186' - name: '186' - group: '102h' - status: 'Registered with cloud to cloud' - registration matrix: '0.293290 0.956006 -0.006255 -16.5800 m
-0.956026 0.293283 -0.002094 10.2640 m
-0.000167 0.006596 0.999979 4.7885 m
0.000000 0.000000 0.000000 1.0000'
Sensor
sensors: 3096 'barometer (transition rotation)'
Barometer: 1.003254 bar 83.5514 m
nav translation: -3.0985 m -0.5935 m 82.98° 7 m accuracies: 6.6927 m 5.6927 m 0.0000 m
nav rotation: 0.0000 0.0000 95.6563 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
-3.150 0.989 0.000 -28.607
-0.989 -0.150 0.000 -8.616
0.000 0.000 1.000 5.963
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



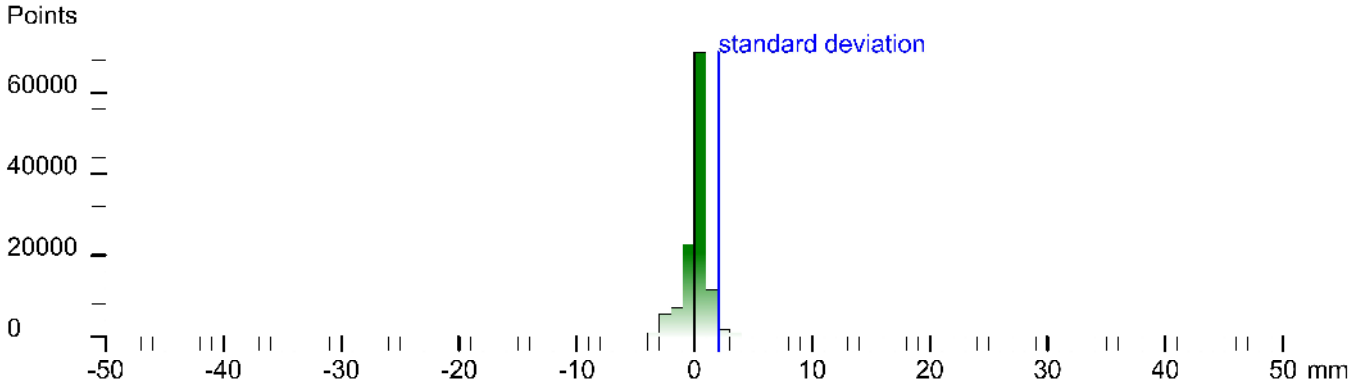
# Scan position '187'

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

-0.973450	-0.228809	-0.006807	-17.2384 m
0.228827	-0.973468	-0.002140	8.8965 m
-0.006137	-0.003640	0.999975	4.7807 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:2.1 mm

## Deviation histogram



## Scan '187'

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

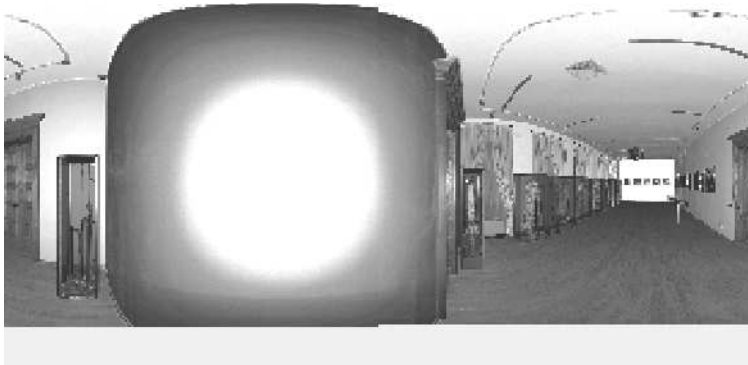
Metadata	Value
comment	
operator	

```

Scan position: '187' - name: '187' - group: '187' - type: 'Normal' - status: 'Registered' - registration: 'cloud to cloud' - standard deviation: '2.1 mm' - scan: 'Z+F IMAGER 5016' - serial: '5016-0100' - firmware: '9.0.3.6562-0'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.003286 bar 83.2783 m
nav translation: -1.39 / 9 m 3.8764 m 82.9748 m accuracies: 5.8153 m 5.8153 m 0.0000 m
nav rotation: 0.0000 0.0000 211.8991 accuracies: 0.0000 0.0000 18.0000
upside-down: no
Initial pre position (Girdoor)
-3.848 -0.528 0.000 -29.962
0.828 -0.849 0.000 -7.741
0.000 0.000 1.000 5.956
0.000 0.000 0.000 1.000

```

Level system info: dynamic compensator available.





# Scan position '189'

Scan position is member of group(s):

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

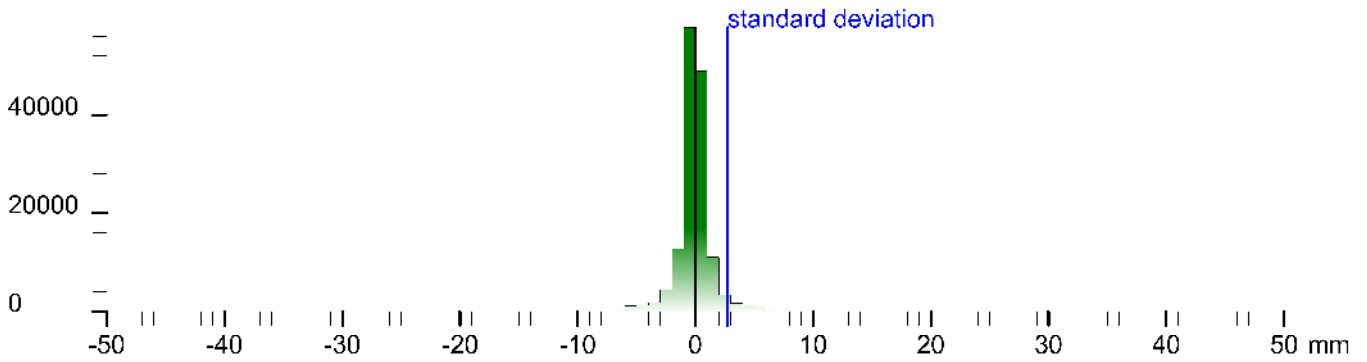
Registration matrix:

```
-0.179425  0.983755  -0.006222  -12.2936 m
-0.983768  -0.179443  -0.002605  -0.4947 m
-0.003679  0.005655  0.999978   4.7820 m
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 2.7 mm

## Deviation histogram

Points



## Scan '189'

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: '189' in group '189' of '189'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.003258 bar 83.5164 m
nav translation: -2.5055 m 0.8657 m 83.0508 m accuracies: 6.1165 m 6.1165 m 0.0000 m
nav rotation: 0.0000 0.0000 10.3640 accuracies: 0.0000 0.0000 10.0000
upside-down: no
Initial pos position (Girdoor)
-3.348 0.937 0.000 -31.977
-0.987 -0.346 0.000 -5.980
0.000 0.000 1.000 6.032
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'

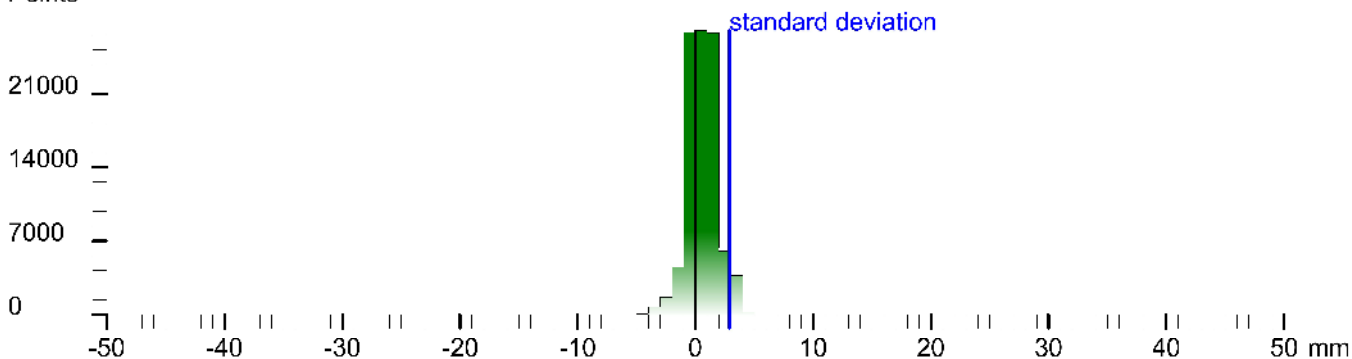
Registration matrix:

```
-0.638046 0.769999 -0.000290 -13.2564 m  
-0.769999 -0.638046 0.000000 -9.4137 m  
-0.000185 0.000223 1.000000 0.6246 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.9 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 position: '19' (102h) registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.003962 bar 77.6137 m  
nav translation: 2.311 m 2.318 m 76.7319 m accuracies: 6.6248 m 6.6248 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)  
-3.71 / 0.700 0.000 -7.810  
-3.700 -0.714 0.000 12.152  
0.000 0.000 1.000 -0.279  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '190'

Scan position is member of group(s):

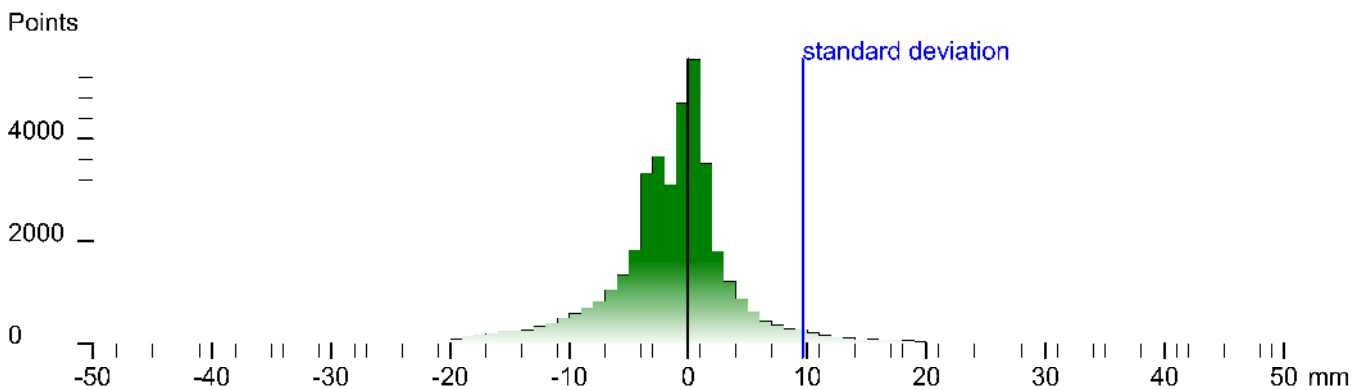
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

0.992666	-0.120768	-0.005874	-13.5184 m
0.120759	0.992682	-0.001975	9.4526 m
0.006070	0.001250	0.999982	3.3177 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:9.6 mm

## Deviation histogram



## Scan '190'

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: '190' in group '102h' registration matrix: '102h' registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.003360 bar 82.683 m  
nav translation: -2.1897 m -0.5530 m 82.0761 m accuracies: 8.7230 m 8.7230 m 0.0000 m  
nav rotation: 0.0000 0.0000 *5.5366 accuracies: 0.0000 0.0000 0.0000  
up/down: no  
Initial pre position: (0/door)  
0.991 0.264 0.000 -37.467  
-0.264 0.964 0.000 -12.508  
0.000 0.000 1.000 5.658  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '191'

Scan position is member of group(s):

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

Registration matrix:

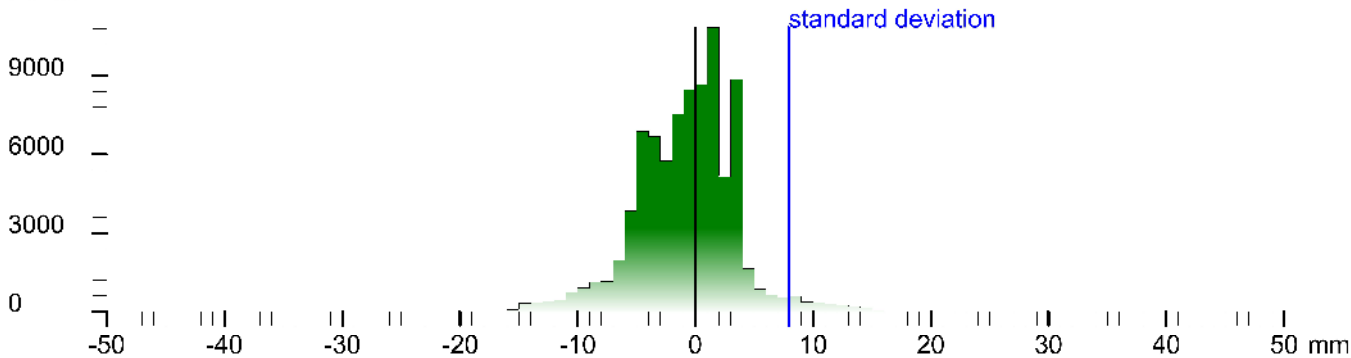
```

0.843217 -0.537540 -0.006471 -12.2580 m
0.537542 0.843239 -0.001680 7.6828 m
0.006361 -0.002063 0.999978 3.3229 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 7.9 mm

## Deviation histogram

Points



## Scan '191'

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

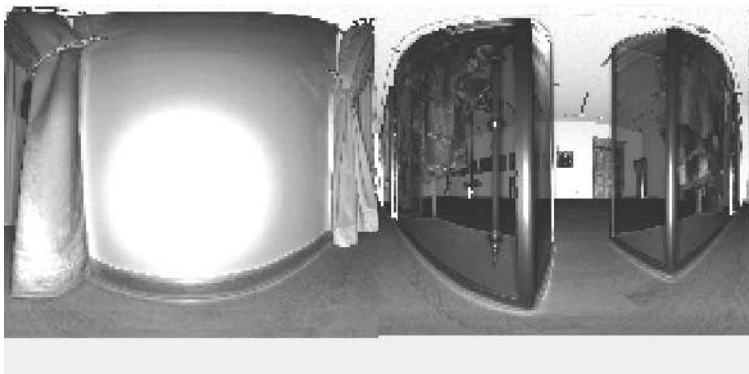
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 1.003270 bar 83.4174 m
nav translation: 0.6351 m 4.2317 m 82.785 m accuracies: 7.2962 m 7.2962 m 0.0000 m
nav rotation: 0.0000 0.0000 346.8760 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pnc position: (Girdoor)
0.973 -0.232 0.000 -36.661
0.232 0.973 0.000 -5.273
0.000 0.000 1.000 5.767
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '192'

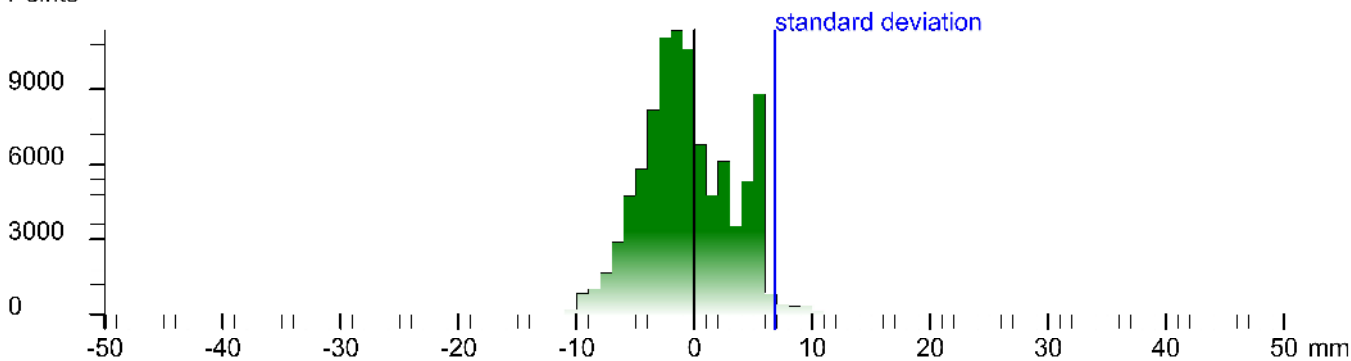
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.414157 -0.910184 -0.006694 -10.8690 m
0.910198 0.414175 -0.001762 5.6337 m
0.004376 -0.005363 0.999977 3.3260 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 6.8 mm

## Deviation histogram

Points



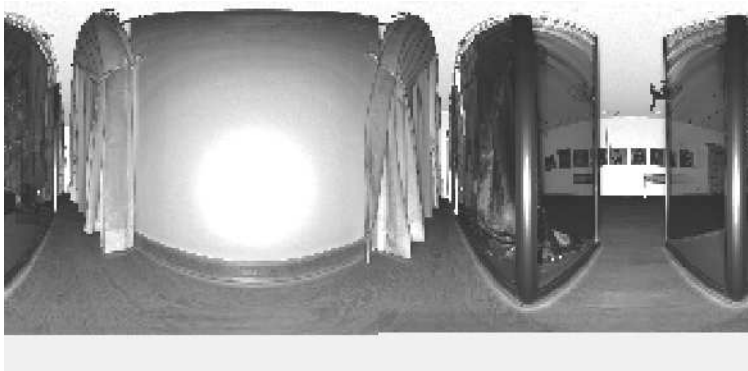
## Scan '192'

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 name: 'Z+F IMAGER 5016' serial: '5016-0100' firmware: '9.0.3.6562-0' sensor type: 'Z+F IMAGER 5016' sensor status: 'Ready' sensor ID: '4141191-192' sensor ID: '192' sensor ID: '192'  
Sensor  
sensors: 3096 'barome or transition rotation'  
Barometer: 1.003248 bar 83.6035 m  
nav translation: -5.9473 m 0.7715 m 83.3283 m accuracies: 8.1331 m 8.1331 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pos position: (0 indoor)  
0.538 -0.873 0.000 -12.609  
0.543 0.538 0.000 -7.501  
0.000 0.000 1.000 6.370  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '193'

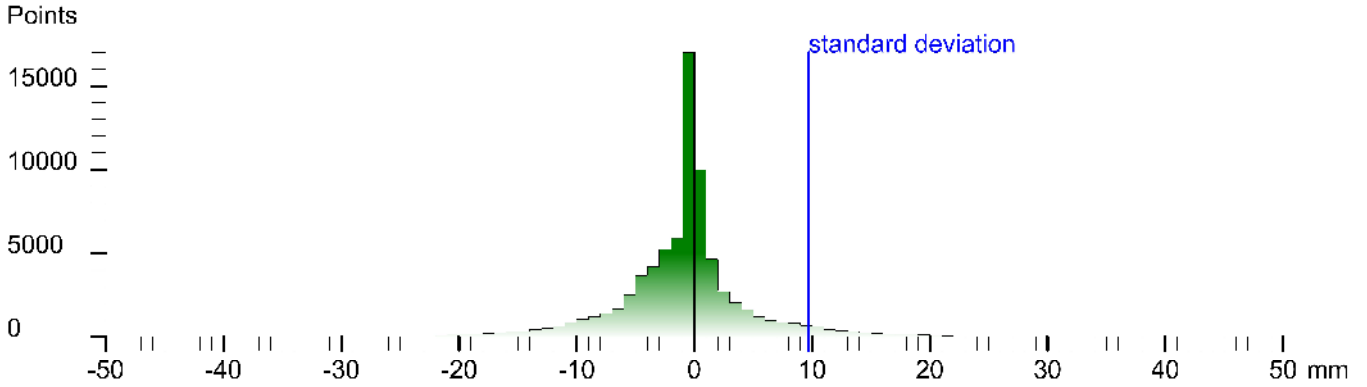
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.839651 -0.543102 -0.005709 -9.4001 m
0.543101 0.839668 -0.001967 3.5894 m
0.005863 -0.001450 0.999982 3.3338 m
0.000000 0.000000 0.000000 1.0000
  
```

Result registration cloud to cloud standard deviation: 9.7 mm

## Deviation histogram



## Scan '193'

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: '193' - name: '193' - group: '102h' - status: 'Registered with cloud to cloud'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.003194 bar 84.0516 m
nav translation: 0.5032 m -0.1689 m 83.0/75 m accuracies: 5.3891 m 5.3891 m 0.0004 m
nav rotation: 0.0000 0.0000 0.0000 349.6/45 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
0.869 -0.278 0.000 -12.106
0.248 0.968 0.000 -7.670
0.000 0.000 1.000 6.079
0.000 0.000 0.000 1.000
  
```

Level system info: dynamic compensator available.



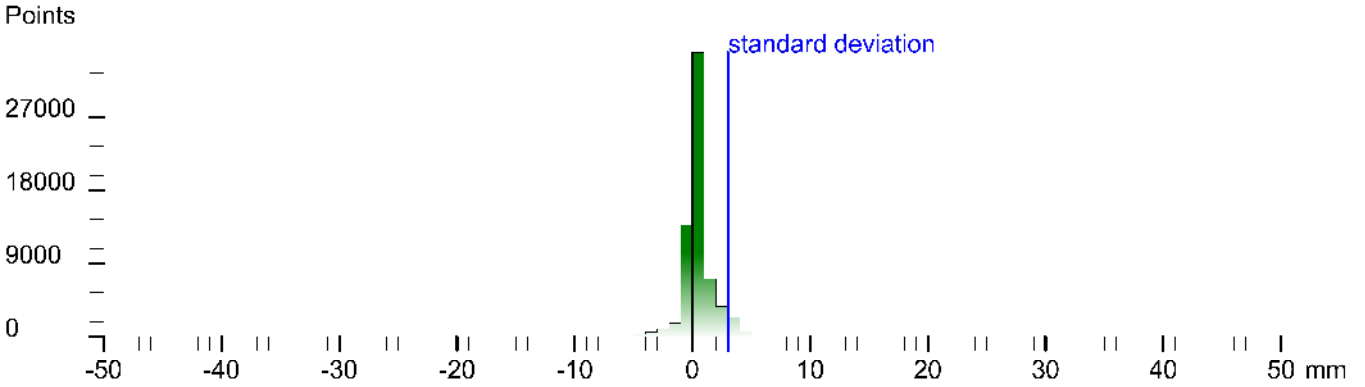
# Scan position '194'

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

```
-0.106805  0.994262  -0.006446  -18.2594 m
-0.994279  -0.106819  -0.002003   6.1230 m
-0.002679  0.006196   0.999979   4.7710 m
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation:3.0 mm

### Deviation histogram



### Scan '194'

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: '194' name: '194' group: '194' M.Lat: 50.000000 M.Long: 10.000000 M.Alt: 0.000000 M.AltDiff: 0.000000 M.AltDiff2: 0.000000 M.AltDiff3: 0.000000 M.AltDiff4: 0.000000 M.AltDiff5: 0.000000
Sensor
sensors: 3096 *barometric (transition: rotation)
Barometer: 1.002069 bar 85.9417 m
nav translation: -3.9572 m 3.4658 m 85.3151 m accuracies: 0.2650 m 10.2650 m 0.0000 m
nav rotation: 0.0000 0.0000 0.9992 / accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position: (Girdoor)
-3.275 0.961 0.000 -16.360
-3.961 -0.275 0.000 1.616
0.000 0.000 1.000 8.297
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



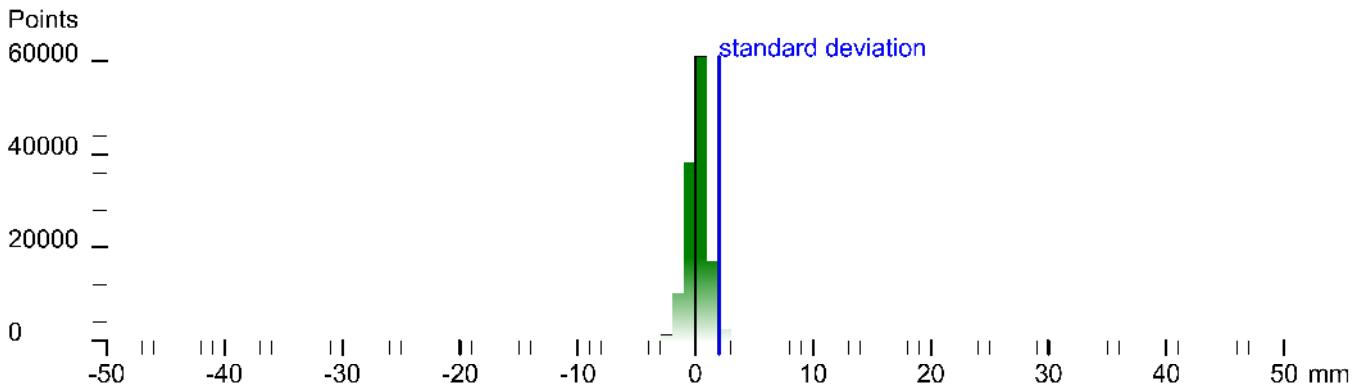
# Scan position '195'

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

```
-0.764747 -0.644290 -0.007579 -22.8924 m
0.644321 -0.764753 -0.002606 7.2851 m
-0.004118 -0.006876 0.999969 4.7372 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.0 mm

## Deviation histogram



## Scan '195'

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: -41.130846; 3.33771; 1.461195; sensor: "02" path: "M:\data\Biosense\Bpulsor\Biosense\correc...M:\data\Biosense\Bpulsor\Biosense\spike\Empire..."; temp: sensor: "temp" temperature: "20" sensor: "temp" position: "spike" status: "ok" quality: "ok" id: "195" format: "20" for: "340"
Sensor
sensors: 3096 "barome or transition rotation"
Barometer: 1.002953 bar 88.0748 m
nav translation: -3.9181 m 3.2988 m 85.1135 m accuracies: 6.8133 m 6.8133 m 0.0000 m
nav rotation: 0.0000 0.0000 258.2839 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pos position: (0 indoor)
-3.526 -0.85 0.000 -16.978
0.681 -0.526 0.000 5.074
0.000 0.000 1.000 8.395
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



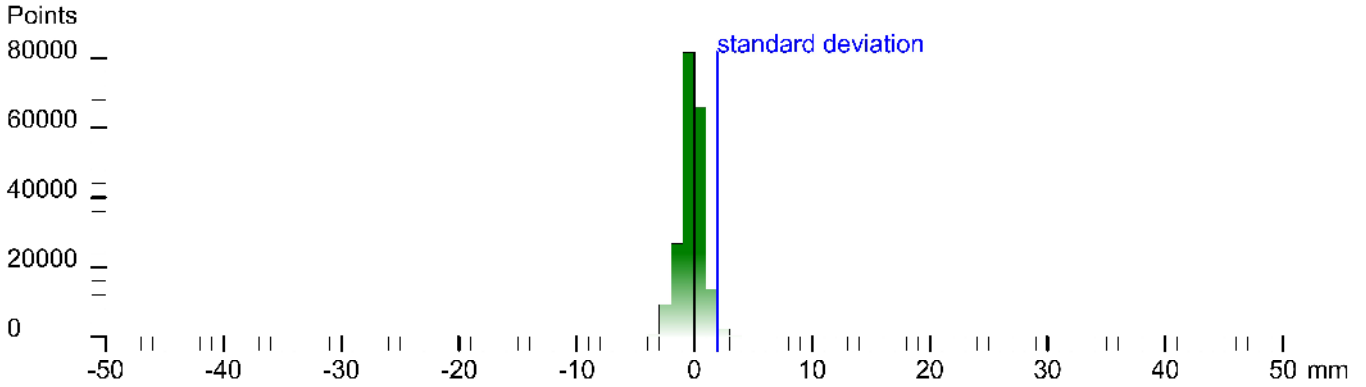
# Scan position '196'

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

0.302952	0.952985	-0.006789	-15.7832 m
-0.953008	0.302940	-0.002822	-2.9281 m
-0.000632	0.007325	0.999974	4.7554 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.9 mm

## Deviation histogram



## Scan '196'

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: '196' - name: '196' - group: '102h' - matrix: [0.302952 0.952985 -0.006789 -15.7832 -0.953008 0.302940 -0.002822 -2.9281 -0.000632 0.007325 0.999974 4.7554 0.000000 0.000000 0.000000 1.000000]
Sensor
sensors: 3096 "barometric rotation"
Barometer: 1.002853 bar 88.9184 m
nav translation: -2.7860 m 2.0127 m 80.1906 m accuracies: 5.8163 m 6.8163 m 0.0000 m
nav rotation: 0.0000 0.0000 66.7725 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pos position: (Girdoor)
0.056 0.988 0.000 -19.767
-0.998 0.016 0.000 -1.087
0.000 0.000 1.000 9.477
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.







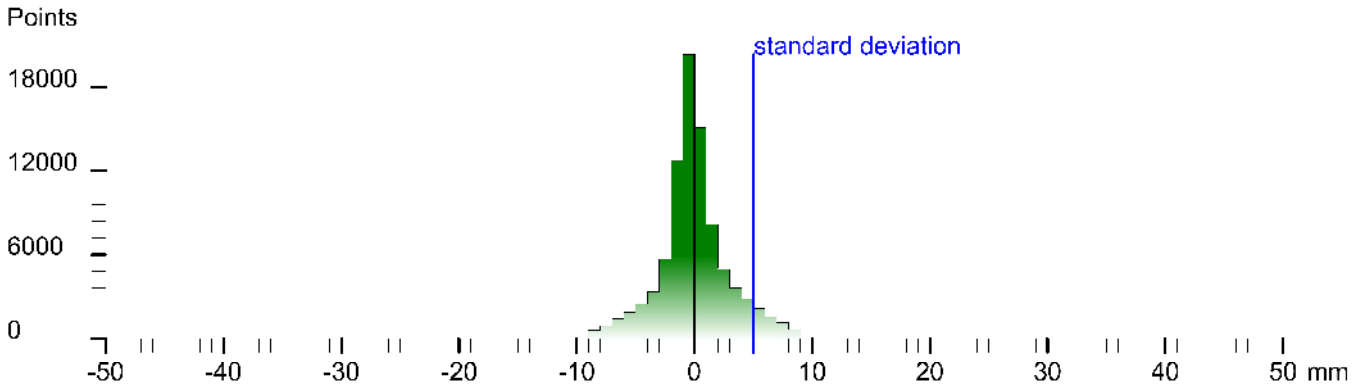
# Scan position '2'

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

```
-0.805177  0.593035  -0.000442  -3.3053 m  
-0.593035  -0.805177  -0.000040  -2.3988 m  
-0.000380  0.000230  1.000000  0.6124 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:5.0 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 position: '1' [102h] registered with cloud to cloud  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.003900 bar 78.1336 m  
nav translation: -5.1413 m -3.5954 m 77.9976 m accuracies: 8.2479 m 8.2479 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 40.6831 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
-3.777 0.634 0.000 -5.741  
-0.634 -0.774 0.000 -3.696  
0.000 0.000 1.000 0.987  
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'

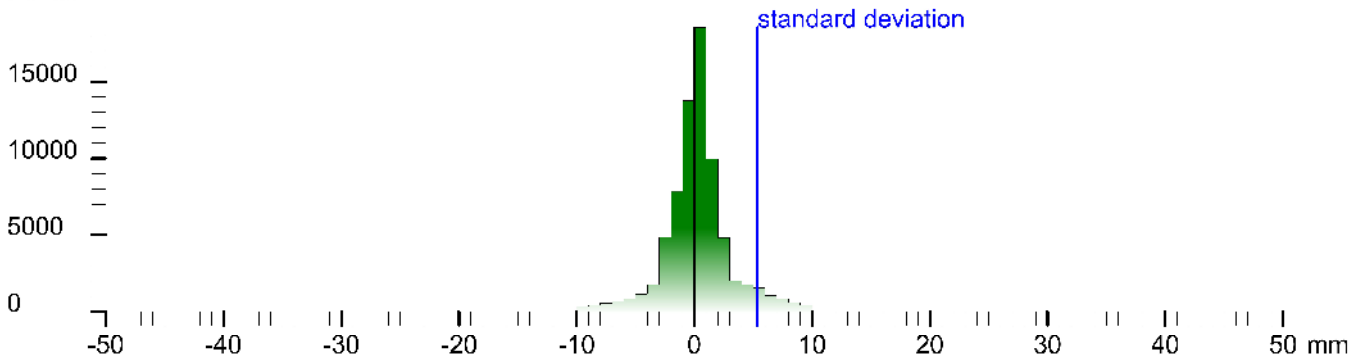
Registration matrix:

```
-0.277023  0.960864  0.000098  -17.1640 m  
-0.960864  -0.277023  -0.000049  -16.4527 m  
-0.000020  -0.000107  1.000000   0.6191 m  
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 5.4 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: "L198345111" filename: "L198345111" scanname: "20" type: "Manual" base: "Epothel Base" scene: "Manual Base (Epothel Base)" type: "Epothel Base" sensor: "Z+F IMAGER 5016" resolution: "High" quality: "Normal" format: "32"
```

Sensor

```
sensors: 3096 *barometric transition rotation*  
Barometer: 1.003825 bar 78.7815 m  
nav translation: -2.8450 m 1.8375 m 78.1362 m accuracies: 5.8377 m 5.8374 m 0.0000 m  
nav rotation: 0.0000 0.0000 15.8044 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0 indoor)  
-3.432 0.902 0.000 -10.755  
-0.902 -0.432 0.000 13.986  
0.000 0.000 1.000 1.125  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



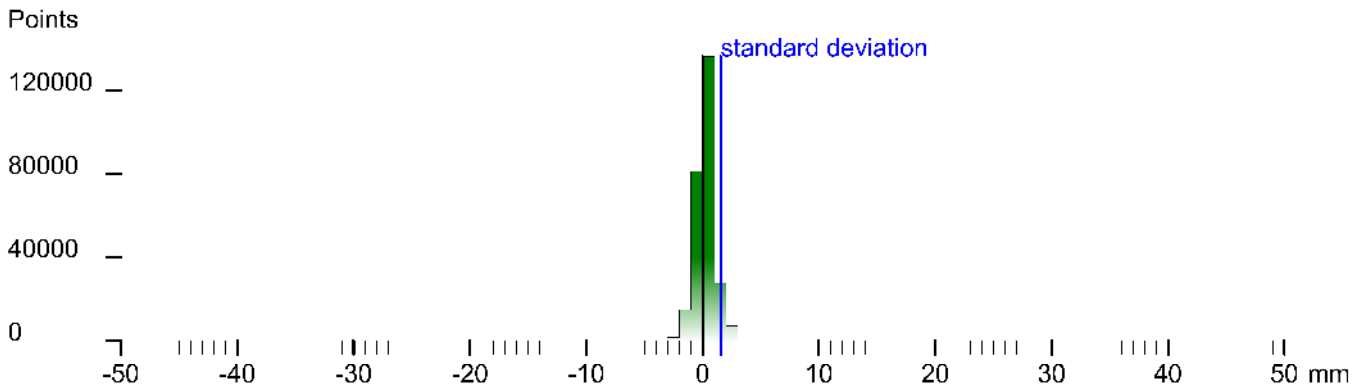
# Scan position '200'

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

```
0.773628 0.633609 -0.006672 -4.4196 m
-0.633635 0.773629 -0.003092 -15.7182 m
0.003204 0.006620 0.999974 4.7926 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.5 mm

## Deviation histogram



## Scan '200'

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 resolution: 'High' quality: 'Normal'

Sensor

sensors: 3096 "barometric transition rotation"

Barometer: 1.002674 bar 88.4216 m

nav translation: 0.0000 m 0.0000 m 88.3042 m accuracies: 5.1000 m 5.1000 m 0.0000 m

nav rotation: 0.0000 0.0000 43.4490 accuracies: 0.0000 0.0000 1s.0000

upside-down: no

Initial pre position: (Girdoor)

```
0.726 0.088 0.000 -56.112
-0.688 0.726 0.000 2.944
0.000 0.000 1.000 11.346
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '201'

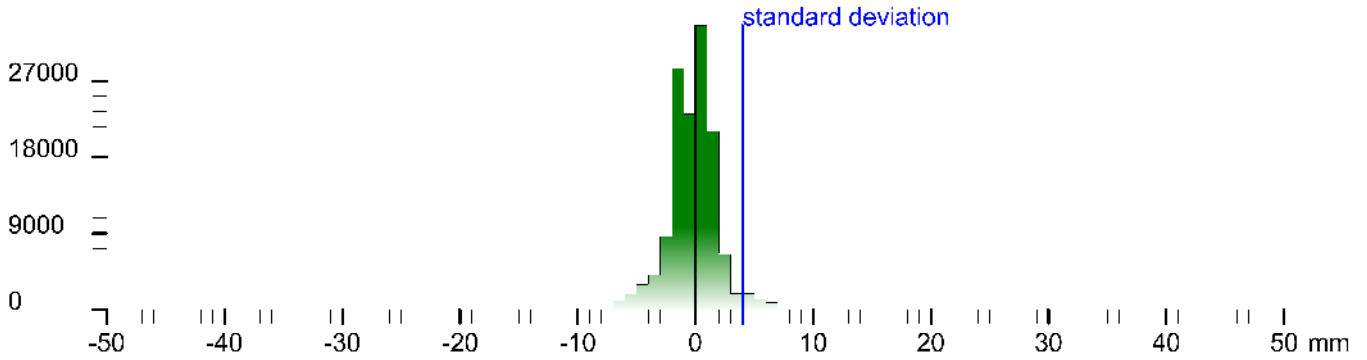
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.132083 0.991222 -0.006345 0.3217 m
-0.991232 -0.132106 -0.003389 -21.1199 m
-0.004198 0.005843 0.999975 4.8017 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 4.0 mm

## Deviation histogram

Points



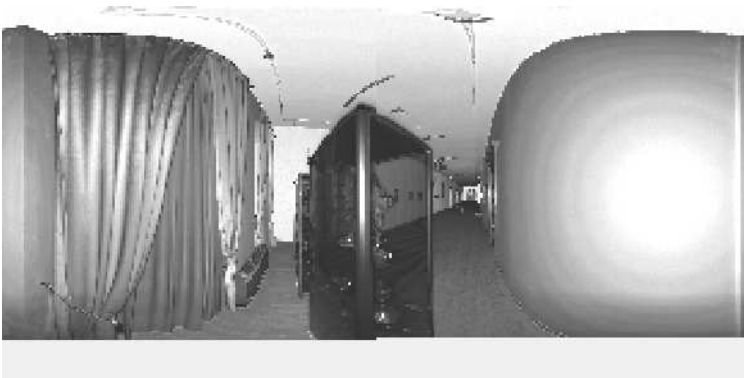
## Scan '201'

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 \*barome or transition rotation?  
 Barometer: 1.002801 bar 83.0342 m  
 nav translation: -2.2171 m -1.4180 m 88.0611 m accuracies: 0.4/55 m 0.4/55 m 0.0000 m  
 nav rotation: 0.0000 0.0000 0.0000 \* 33.9/99 accuracies: 0.0000 0.0000 1s.0000  
 upside-down: no  
 Initial pre position: (0 indoor)  
 -3.242 0.970 0.000 -58.629  
 -0.9/0 -0.242 0.000 1.496  
 0.000 0.000 1.000 11.842  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '202'

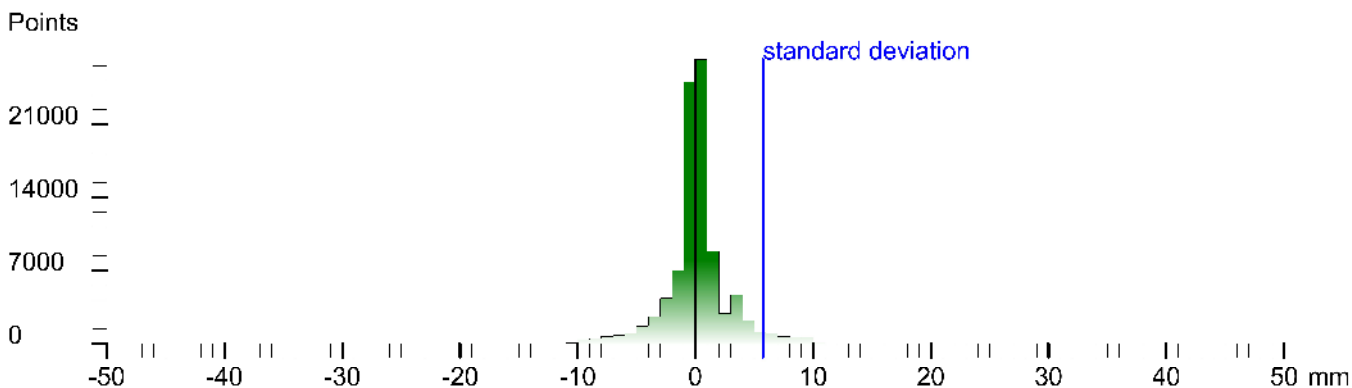
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.974480  0.224400  -0.006307  -2.5864 m
-0.224423  0.974489  -0.003354  -23.2468 m
0.005395  0.004684  0.999976  4.7780 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation:5.7 mm

## Deviation histogram



## Scan '202'

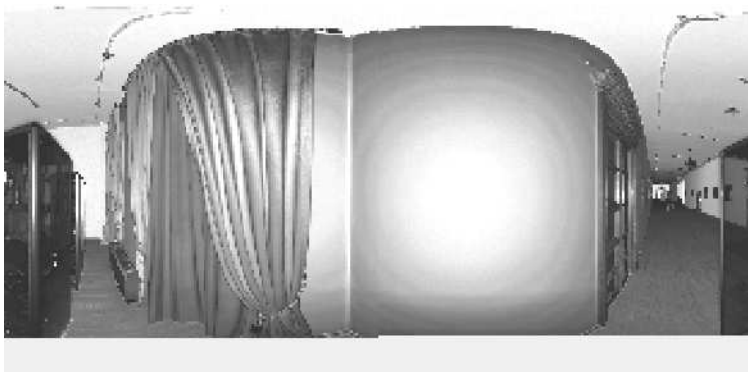
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 1.002587 bar 83.1483 m
nav translation: -2.7454 m 3.1936 m 88.9/21 m accuracies: 5.5337 m 5.5337 m 0.0000 m
nav rotation: 0.0000 0.0000 *6.8835 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pos position: (Girdoor)
0.857 0.290 0.000 -51.37/
-0.290 0.957 0.000 *6.90
0.000 0.000 1.000 11.8923
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '203'

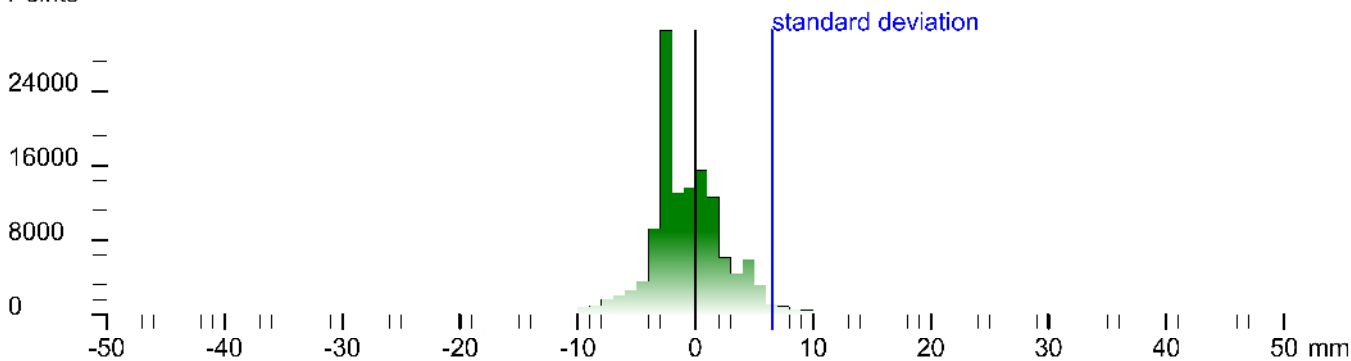
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
1.000000 -0.000712 -0.000315 -0.6698 m
0.000712 1.000000 0.000773 -24.7162 m
0.000314 -0.000773 1.000000 0.6221 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:6.5 mm

## Deviation histogram

Points



## Scan '203'

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: '203' - name: '148:203' - group: '203' - path: 'M:\a\B\scans\B\pulsar\B\scans\203\scans\203' - sensor: 'Z+F IMAGER 5016' - quality: 'High' - resolution: 'Normal' - comment: '' - operator: ''
Sensor
sensors: 3100 *barometer transition rotation gps
Barometer: 1.002857 bar 88.8823 m
nav translation: 1.4408 m -11.5034 m 87.0078 m accuracies: 10.9616 m 10.9616 m 0.0000 m
nav rotation: 0.0000 0.0000 22.8026 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.157162 long:26.819357 satellites:3 height:120.4m hdop:3.1 vdcpr:1.0m hacc: 3.0m vacc:15.0 tags:G2 'stand alone 2D solution'
Initial pre position (3-coor):
0.927 0.388 0.000 -59.927
-0.388 0.922 0.000 -3.814
0.000 0.000 1.000 9.869
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '204'

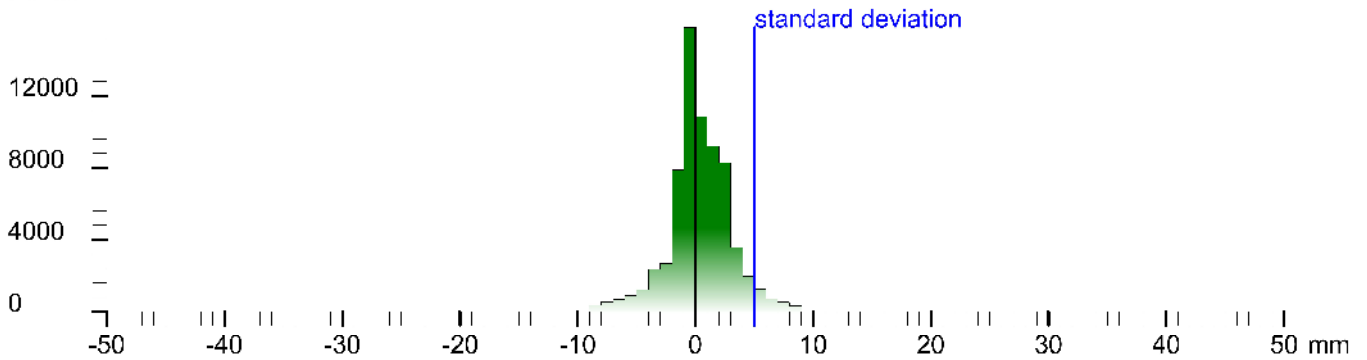
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
0.820065 -0.572272 -0.000297 1.9968 m
0.572272 0.820064 0.000749 -22.8564 m
-0.000185 -0.000784 1.000000 -1.0728 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:5.0 mm

## Deviation histogram

Points



## Scan '204'

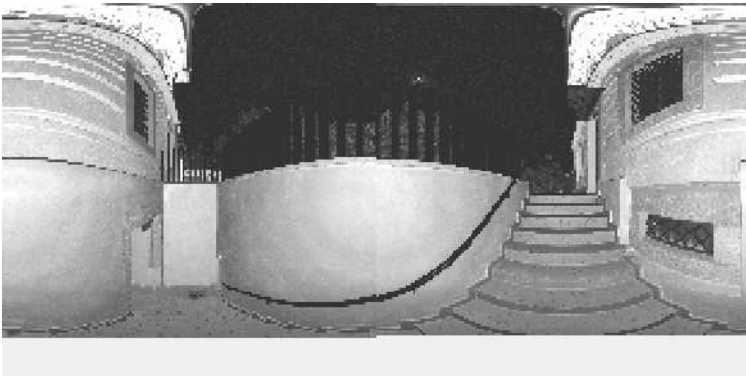
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

### Metadata Value

comment  
operator

```
Scan position: 44.130840231 m x 148.120407368 m y 148.120407368 m z 148.120407368 m  
Sensor  
sensors: 3100 *barometric transition rotation gps  
Barometer: 1.003016 bar 85.5525 m  
nav translation: 11.1429 m 3.8467 m 85.3329 m accuracies: 1' 0.013 m 1 0.015 m 0 0.000 m  
nav rotation: 0.0000 0.0000 0.0000 351.0073 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS lat:45.157032 long:26.819496 satellites:3 height:123.2m hddo:6.1 vddcp:1.0m hacc: 8.4m vacc:23.0 tags:G2 'stand alone 2D solution'  
north:5000410.748 m east:4898.2450 m zero:35T  
Initial pre position (0:indoor)  
0.989 -0 1.8 0.000 -48.784  
0. 48 0.000 0.000 -5.587  
0.000 0.000 1.000 8.3 * 4  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '205'

Scan position is member of group(s):

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

Registration matrix:

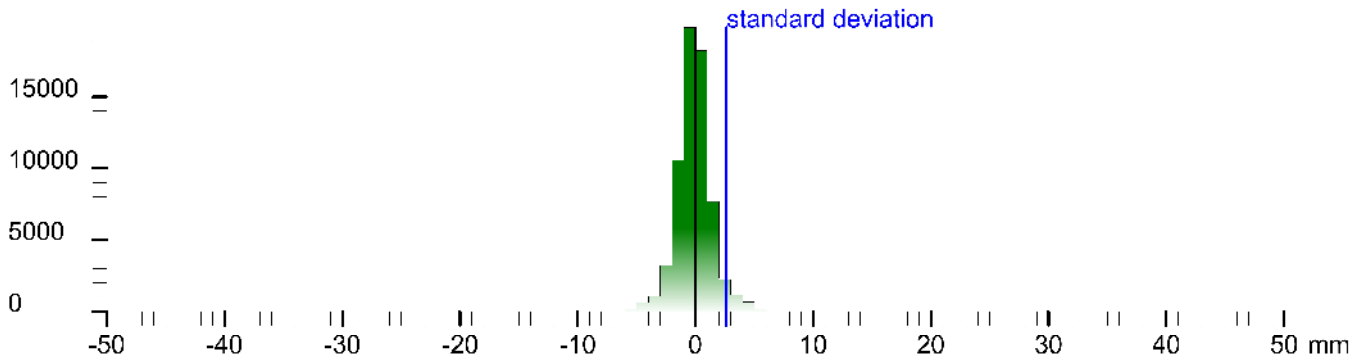
```

0.823699  0.567028  0.000479  4.2963 m
-0.567029 0.823699  0.000338 -21.4052 m
-0.000203 -0.000550 1.000000  -2.6066 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 2.6 mm

## Deviation histogram

Points



## Scan '205'

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

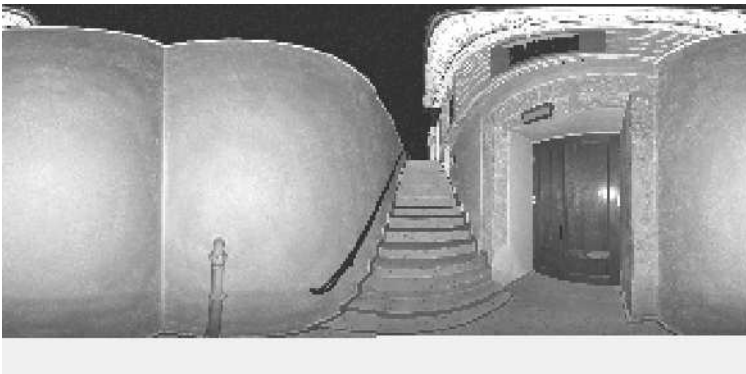
Scan resolution 'High' quality 'Normal'

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

```

Scan position: -11.130846, 4.33777, 1.481295
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.003141 bar 84.5009 m
nav translation: 4.7978 m -2.7778 m 87.0571 m accuracies: 7.8896 m 7.8896 m 0.3007 m
nav rotation: 0.0000 0.0000 /4.9667/ accuracies: 0.3000 0.0000 15.0000
upside-down: no
Initial position: (Girdoor)
0.259 0.966 0.000 -18.987
-0.966 0.259 0.000 -8.748
0.000 0.000 1.000 7.033
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.







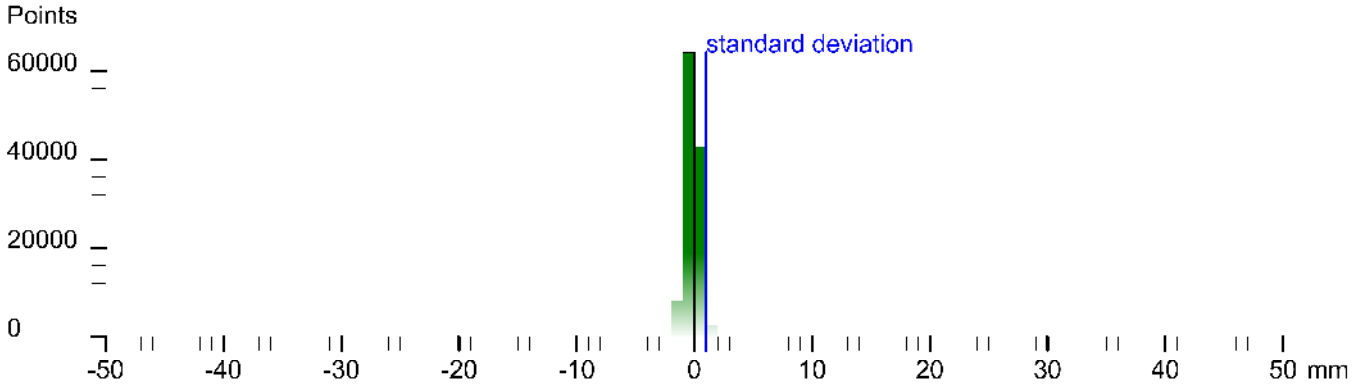
# Scan position '207'

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

0.172848	-0.984949	-0.000419	0.2865	m
0.984946	0.172847	0.002424	-12.7385	m
-0.002314	-0.000831	0.999997	-2.7242	m
0.000000	0.000000	0.000000	1.0000	

Result registration cloud to cloud standard deviation: 1.0 mm

### Deviation histogram



## Scan '207'

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: 1.003116 bar 54.712 m  
nav translation: -3.0422 m 3.3106 m 87.1904 m accuracies: 6.7572 m 6.7572 m 0.0001 m  
nav rotation: 0.0000 0.0000 288.1964 accuracies: 0.0000 0.0000 15.0000  
upside-down: no

Initial pos position: (0 indoor)  
0.312 -0.850 0.000 -43.418  
0.950 0.312 0.000 -6.613  
0.000 0.000 1.000 7.172  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '209'

Scan position is member of group(s):

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

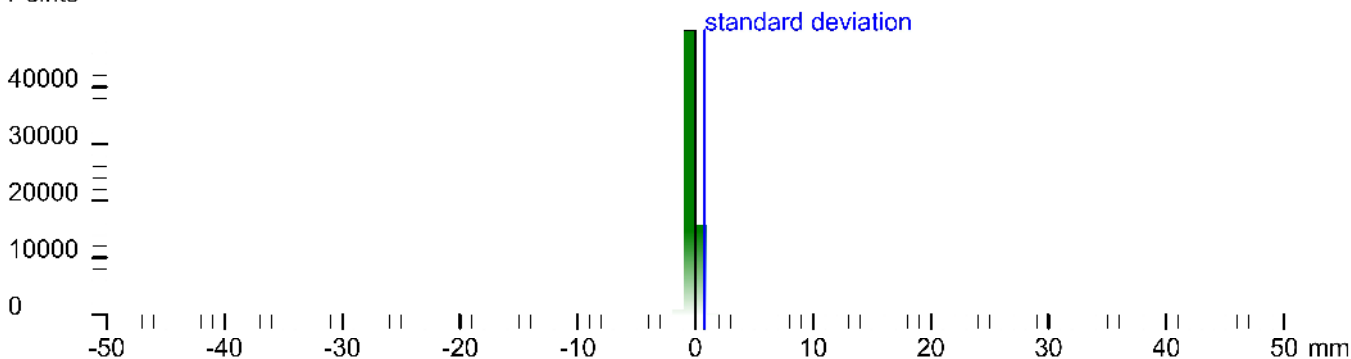
Registration matrix:

-0.383479	0.923550	0.000054	0.1524 m
-0.923550	-0.383479	0.001010	-21.5610 m
0.000953	0.000337	1.000000	-2.7176 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:0.8 mm

## Deviation histogram

Points



## Scan '209'

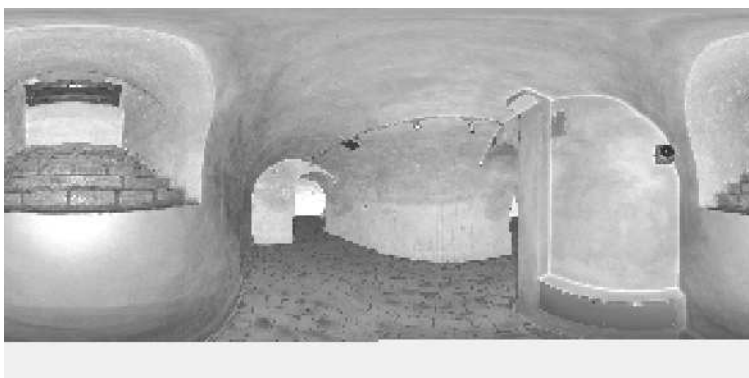
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
Barometer: 1.003066 bar 85.1262 m  
nav translation: -3.9057 m -1.0118 m 84.7767 m accuracies: 0.0344 m 0.0344 m 0.0000 m  
nav rotation: 0.0000 0.0000 43.6651 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0 indoor)  
-3.805 0.584 0.000 -6.390  
-3.692 -0.800 0.000 -6.961  
0.000 0.000 1.000 7.758  
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'

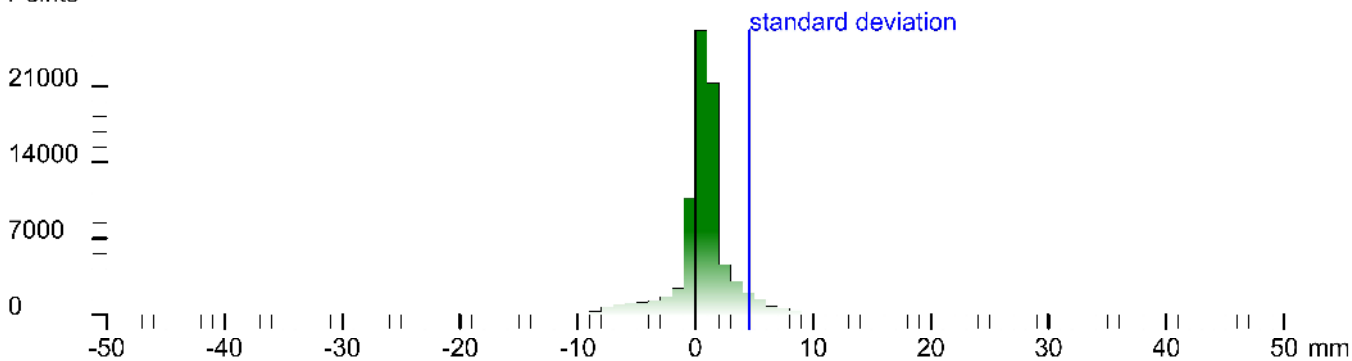
Registration matrix:

0.254479	-0.967079	-0.000248	-17.3860 m
0.967079	0.254479	0.000439	-7.6663 m
-0.000361	-0.000351	1.000000	0.6250 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:4.6 mm

## Deviation histogram

Points



## 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	

Sensor: 3096 \*barome or transition rotation\*  
Barometer: 1.003755 bar 73.3475 m  
nav translation: 4.5919 m -0.6632 m 79.7656 m accuracies: 7.3497 m 7.3497 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 500.0024 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.508 -0.862 0.000 -6.300  
0.662 0.002 0.000 13.333  
0.000 0.000 1.000 1.755  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



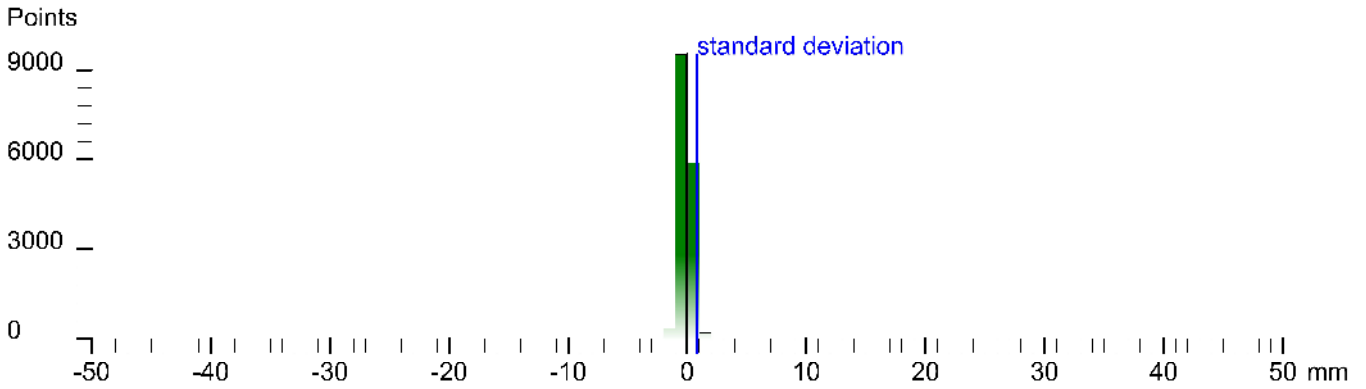
# Scan position '210'

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

```
-0.989244  0.146281  -0.000563  -4.6721 m
-0.146281  -0.989244  0.001064  -22.7725 m
-0.000401  0.001134  0.999999  -2.7151 m
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 0.8 mm

## Deviation histogram



## Scan '210'

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; ESCAN: 210; filename: 1-48-210; target: 210; path: M:\scans\Basilica\Basilica\scan_...; M:\scans\Basilica\Basilica\scans; timestamp: 2019-08-08 14:00:00; sensor: Z+F IMAGER 5016; resolution: 1.5 mm; quality: High; scan: 210; format: 210; file: 1947  

    Metadata: null  

    Sensor:  

    sensors: 3096 'barometric transition rotation'  

    Barometer: 1.003030 bar 85.3553 m  

    nav translation: -3.7968 m -0.2650 m 87.7691 m accuracies: 5.4955 m 5.4955 m 0.0000 m  

    nav rotation: 0.0000 0.0000 0.0000 '65.02''1 accuracies: 0.0000 0.0000 15.0000  

    upside-down: no  

    Initial pose position (0airdoor)  

    -3.968 0.258 0.000 -7.127  

    -0.218 -0.966 0.000 -7.226  

    0.000 0.000 1.000 7.750  

    0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '212'

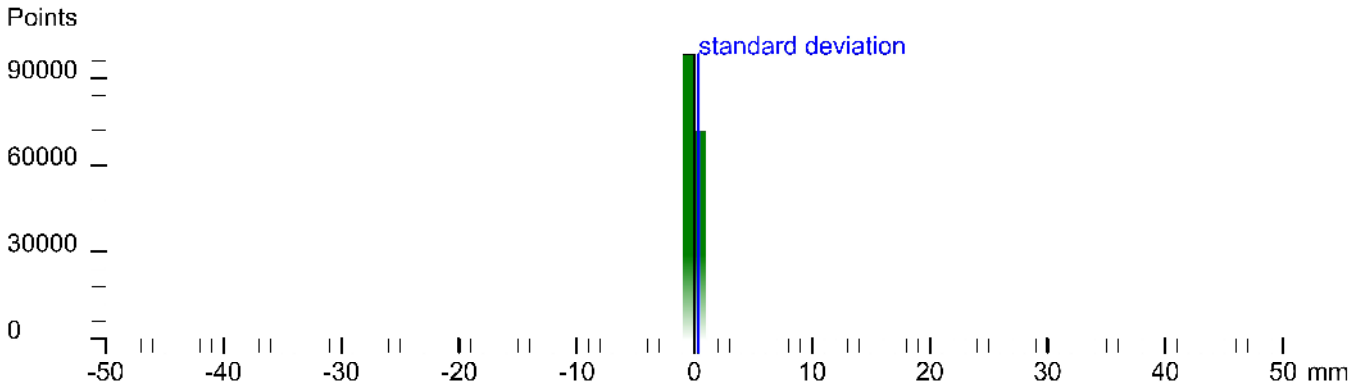
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

-0.992589  0.121528 -0.000684  -4.8982 m
-0.121529 -0.992589  0.000943  -22.9940 m
-0.000564  0.001018  1.000000  -2.7070 m
0.000000  0.000000  0.000000  1.0000
  
```

Result registration cloud to cloud standard deviation: 0.4 mm

## Deviation histogram



## Scan '212'

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: 1.003050 bar 85.2653 m
nav translation: -3.7196 m 3.5774 m 85.3393 m accuracies: 5.562/ m 5.5524 m 0.0000 m
nav rotation: 0.0000 0.0000 *69.4124 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial position (Girdoor)
-3.983 0 184 0.000 -48.201
-3.182 -0.985 0.000 -7.014
0.000 0.000 1.000 8.370
0.000 0.000 0.000 1.000
  
```

Level system info: dynamic compensator available.



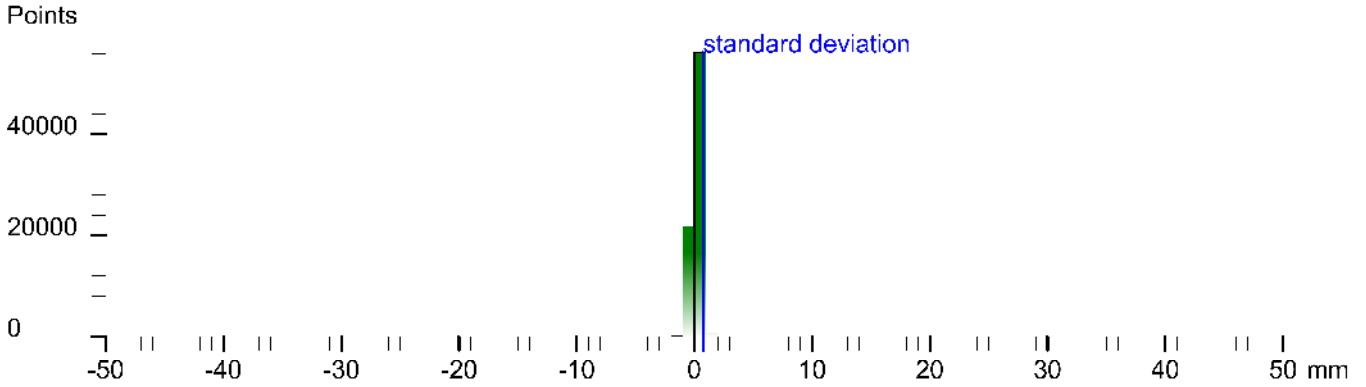
# Scan position '213'

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

```
-0.753988 -0.656889 -0.000873 -7.5040 m  
0.656886 -0.753988 0.002006 -19.5193 m  
-0.001976 0.000939 0.999998 -2.7090 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:0.7 mm

## Deviation histogram



## Scan '213'

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: 1.002022 bar 86.339 m  
nav translation: -0.5352 m 0.0496 m 85.2526 m accuracies: 5.3906 m 5.3906 m 0.0300 m  
nav rotation: 0.0000 0.0000 238.0909 accuracies: 0.0000 0.0300 15.0000  
upside-down: no  
Initial pre position (0airdoor)  
-0.882 -0.177 0.000 -49.736  
0.471 -0.882 0.000 -6.964  
0.000 0.000 1.000 8.234  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '214'

Scan position is member of group(s):

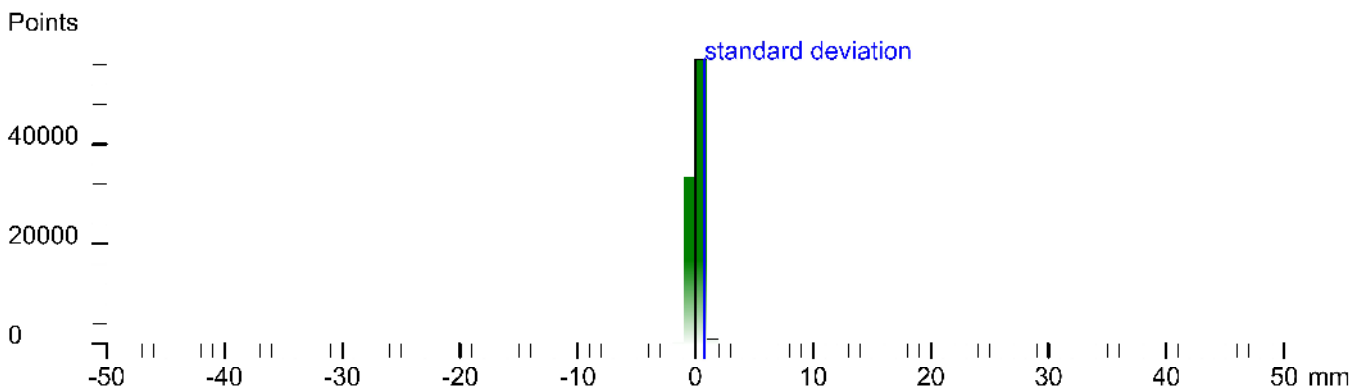
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

```
-0.965022 -0.262172 -0.001006 -8.0919 m
0.262170 -0.965021 0.001663 -20.0616 m
-0.001406 0.001340 0.999998 -2.7070 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:0.8 mm

## Deviation histogram



## Scan '214'

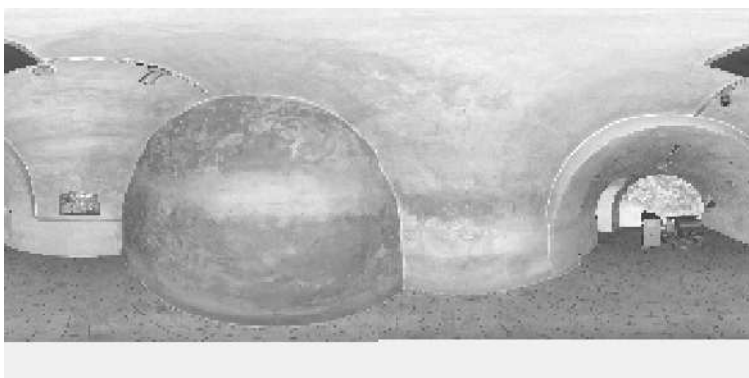
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '214' - name: '214' - group: '214' - path: 'M:\a\B\scans\B\pulsar\B\scans\214\scans\214' - sensor: 'Z+F IMAGER 5016' - resolution: 'High' - quality: 'Normal' - scan: '214' - scan: '214' - scan: '214'
sensors: 3096 *barometer transition rotation*
Barometer: 1.002923 bar 88.3249 m
nav translation: -3.3970 m -0.1711 m 85.5739 m accuracies: 5.3174 m 5.3174 m 0.0000 m
nav rotation: 0.0000 0.0000 *83.3104 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position (Girdoor)
-3.988 -0.055 0.000 -49.130
0.058 -0.998 0.000 -7.73s
0.000 0.000 1.000 8.555
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '215'

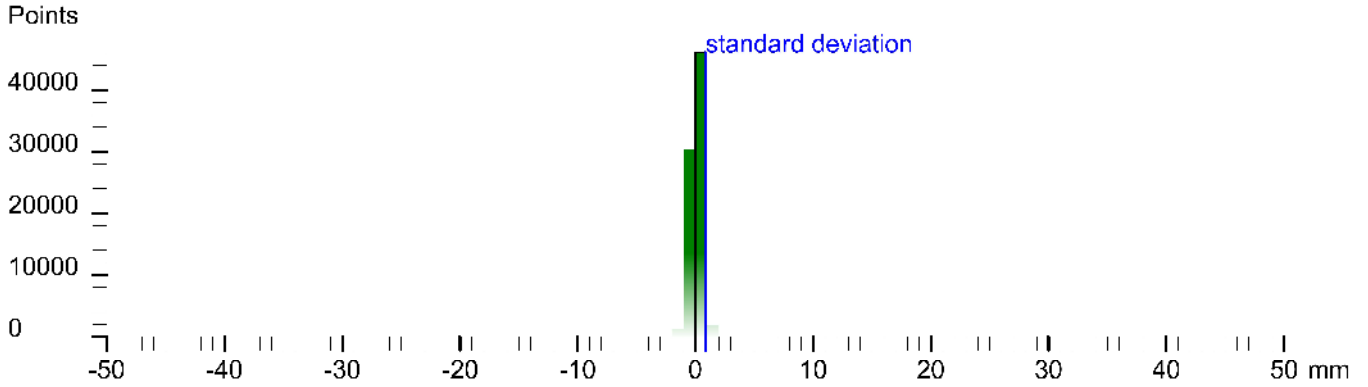
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

-0.609898 -0.792480 -0.001290 -9.7009 m
 0.792479 -0.609900  0.001419 -21.4918 m
-0.001910 -0.000157  0.999998 -3.9335 m
 0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 0.9 mm

## Deviation histogram



## Scan '215'

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: '41139846103' - name: '141:215' - group: '215' - path: 'M:\a\B\scans\Epulim\Basil\corde...M\sc\B\scans\Epulim\Basil\scans\Epulim\...
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.002973 bar 85.9097 m
nav translation: -3.1089 m -0.2002 m 85.7483 m accuracies: 6.7103 m 5.7103 m 0.0000 m
nav rotation: 0.0000 0.0000 218.4854 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pnc position (Girdoor)
-3.783 -0.622 0.000 -52.300
0.622 -0.783 0.000 -7.336
0.000 0.000 1.000 8.730
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.





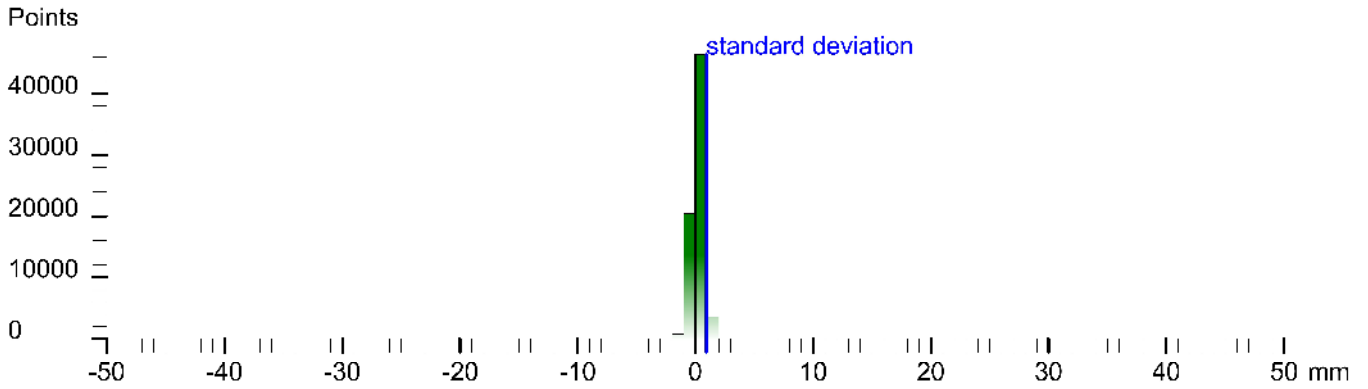
# Scan position '217'

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

```
-0.603861 -0.797089 -0.001384 -10.0781 m
 0.797090 -0.603862  0.000694 -21.6541 m
-0.001388 -0.000684  0.999999  -3.2319 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 0.9 mm

## Deviation histogram



## Scan '217'

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* (rotation)
  Barometer: 1.002654 bar 88.5897 m
  nav translation: 0.5728 m 0.2204 m 88.1829 m accuracies: 6.0800 m 6.0800 m 0.0000 m
  nav rotation: 0.0000 0.0000 229.99° 2 accuracies: 0.0000 0.0000 1s.0000
  upside-down: no
  initial prc position: (0|door)
  -3.643 -0.766 0.000 -55.157
  0.756 -0.643 0.000 -9.707
  0.000 0.000 1.000 11.164
  0.000 0.000 0.000 1.000
```

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



# Scan position '218'

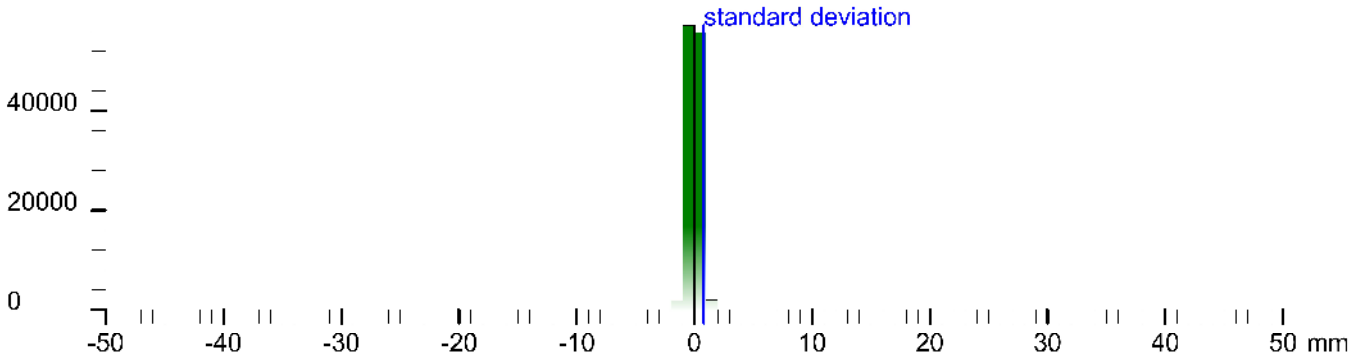
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

0.531073	0.847327	0.000227	1.7586 m
-0.847325	0.531070	0.002536	-12.3753 m
0.002027	-0.001539	0.999997	-3.2347 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:0.8 mm

## Deviation histogram

Points



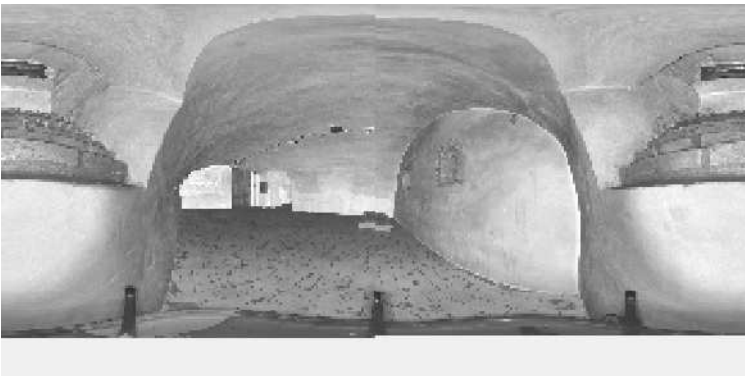
## Scan '218'

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: '218' - name: '148:218' - group: '218' - path: 'M:\a\B\scans\B\p\B\scans\218\scans\218' - sensor: 'Z+F IMAGER 5016' - scan resolution: 'High' - quality: 'Normal' - scan date: '2018-06-27 10:30:00'  
Sensor  
sensors: 3096 'barometric transition rotation'  
Barometer: 1.002564 bar 83.3454 m  
nav translation: 20.7218 m 4.1121 m 88.5025 m accuracies: 15.7637 m 15.7637 m 0.0000 m  
nav rotation: 0.0000 0.0000 59.4537 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position (Girdoor)  
0.508 0.861 0.000 -34.135  
-0.861 0.508 0.000 -5.289  
0.000 0.000 1.000 11.484  
0.000 0.000 0.000 1.000

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



# Scan position '219'

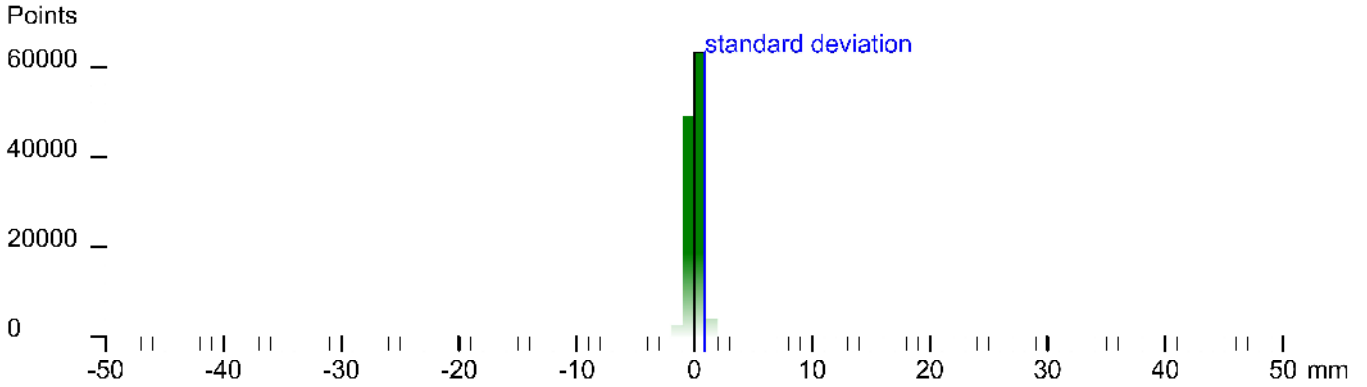
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.476378  0.879241  0.000637  4.9563 m
-0.879240  0.476375  0.002494  -16.8455 m
0.001889  -0.001748  0.999997  -3.2424 m
0.000000  0.000000  0.000000  1.0000
  
```

Result registration cloud to cloud standard deviation:0.9 mm

## Deviation histogram



## Scan '219'

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: '148:219'
Sensor:
sensors: 3096 'barometric transition rotation'
Barometer: 1.002863 bar 88.5077 m
nav translation: 6.6300 m -0.6962 m 89.8762 m accuracies: '1.1355 m 11.335 m 0.0000 m
nav rotation: 0.0000 0.0000 64.5726 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)
0.433 0.902 0.000 -27.589
-0.902 0.433 0.000 -14.961
0.000 0.000 1.000 11.858
0.000 0.000 0.000 1.000
  
```

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



# Scan position '22'

Scan position is member of group(s):

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

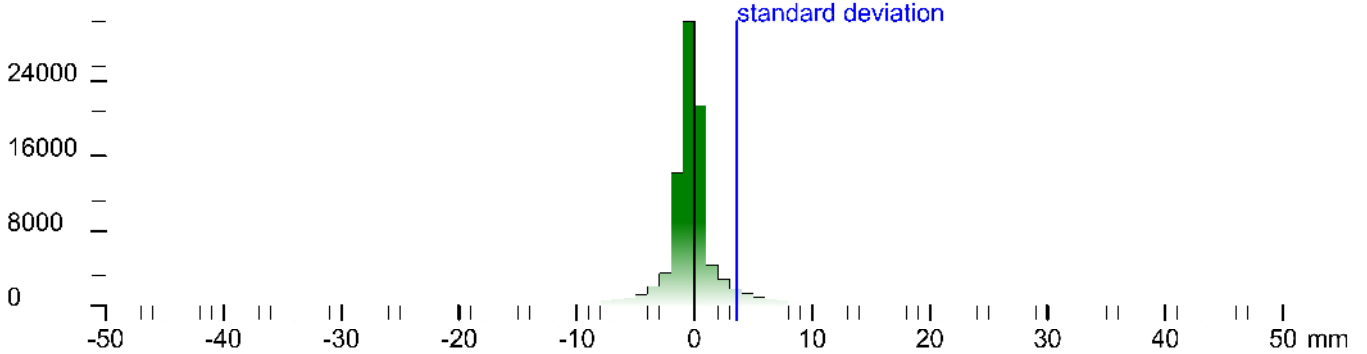
Registration matrix:

```
-0.683009  0.730410  -0.000052  -12.6975 m  
-0.730410  -0.683009  0.000161  -11.4055 m  
0.000082  0.000147  1.000000   0.6244 m  
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 3.6 mm

## Deviation histogram

Points



## Scan '22'

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

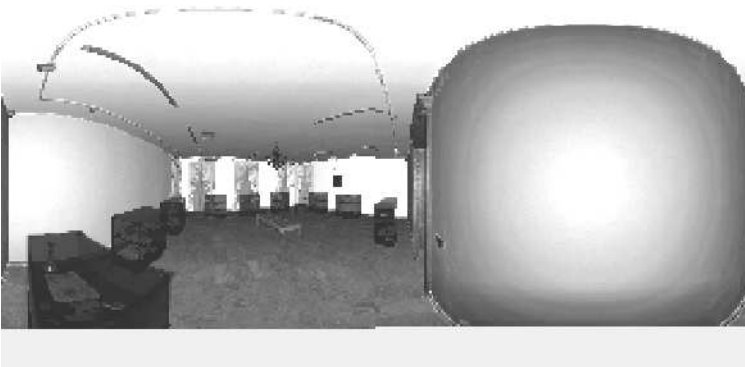
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan command: 'cat 19288000 0.03' filename: '14h-22-scans-22.gpx' 'Main Backdoor Epulim Base' series: 'Main Backdoor Epulim Base' points: 746907651 range: 20' camera: 'zue' position: 'epulim base' date: '2014-08-18 15:40:00' file: '14h-22'

Sensor  
sensors: 3096 \*barometer transition rotation\*  
Barometer: 1.003717 bar 73.6835 m  
nav translation: 1.0003 m 0.7517 m 78.1569 m accuracies: 5.7580 m 5.7680 m 0.0000 m  
nav rotation: 0.0000 0.0000 \*36.5621 accuracies: 0.0000 0.0000 1s.0000  
up/down: no  
Initial pos position: (0/door)  
-3.726 0.688 0.000 -5.239  
-0.688 -0.726 0.000 14.086  
0.000 0.000 1.000 2.146  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '220'

Scan position is member of group(s):

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

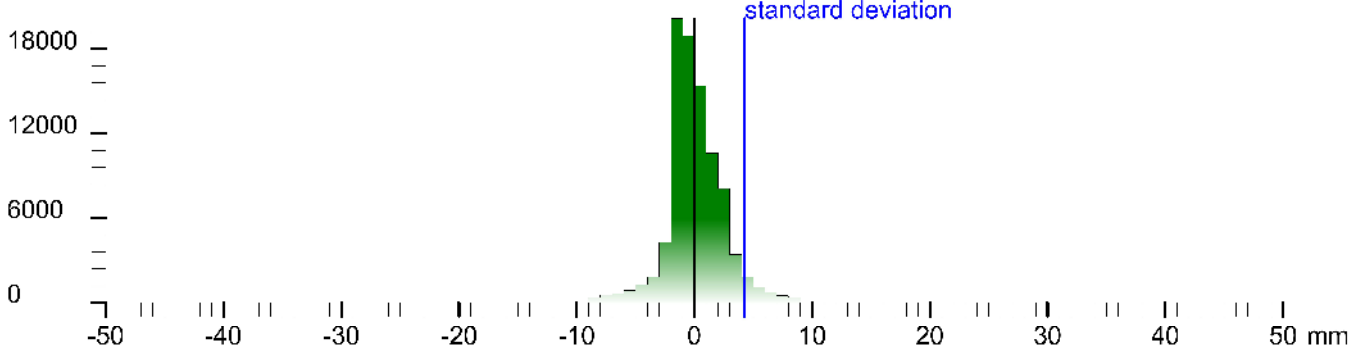
Registration matrix:

```
0.943600 -0.331077 0.003056 -10.0055 m
0.331084 0.943599 -0.002496 -27.0253 m
-0.002057 0.003368 0.999993 -0.6413 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.3 mm

## Deviation histogram

Points



## Scan '220'

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: 1.002355 bar 91.0973 m  
nav translation: -20.2237 m 0.1703 m 90.7631 m accuracies: 18.1839 m 18.4839 m 0.0000 m  
nav rotation: 0.0000 0.0000 348.1885 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS lat:45.157135 long:26.819170 satellites:5 height:131.7m hdop:3.8 vdcop:3.0m hacc: 3.0m vacc:9.2 flags:G3's airc sbno 3D solution'  
north:5000422.247 m east:489786.889 m zone:35T  
Initial pre position (3-coor):  
0.979 -0.295 0.000 -53.82°  
0.205 0.975 0.000 -4.82°  
0.000 0.000 1.000 13.741  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





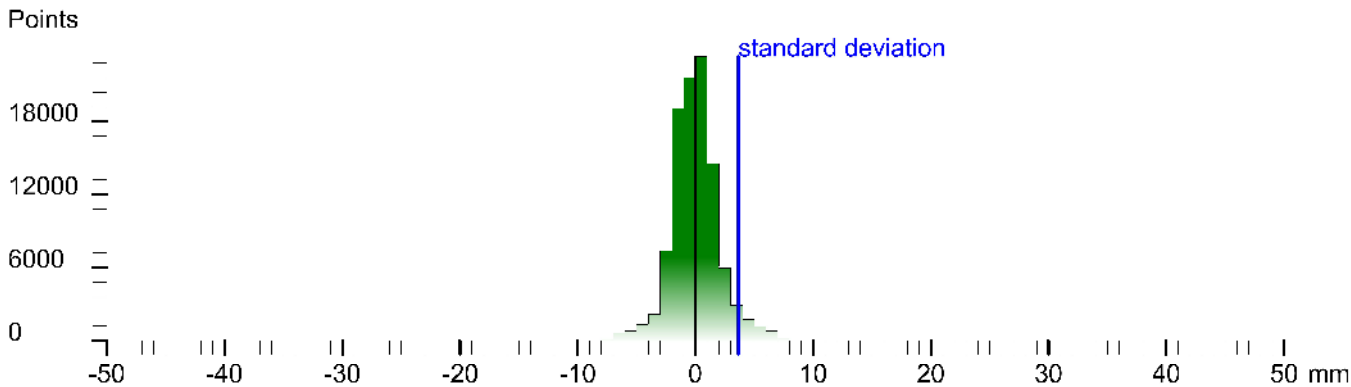
# Scan position '221'

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

```
0.303739 0.952750 0.003344 -12.7704 m  
-0.952749 0.303748 -0.003033 -23.2952 m  
-0.003906 -0.002265 0.999990 -0.6141 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 3.6 mm

## Deviation histogram



## Scan '221'

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 * barome or transition rotation gps  
Barometer: 1.002200 bar 91.6459 m  
nav translation: 0.4302 m 3.3588 m 90.8243 m accuracies: 6.8342 m 6.8342 m 0.0000 m  
nav rotation: 0.0000 0.0000 63.6945 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
GPS lat: 45.157158 long: 26.819128 satellites: 6 height: 139.0m hddc: 2.3 vdcpc: 3.1m hacc: 9.3-m vacc: 12.0 flags: G3 's' snc sbrnc 3D solution'  
north: 5000424.797 m east: 489783.517 m zone: 35T  
Initial pre position (3-coor):  
0.10 0.954 0.000 -53.383  
-0.990 -0.110 0.000 -11.462  
0.000 0.000 1.000 13.536  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



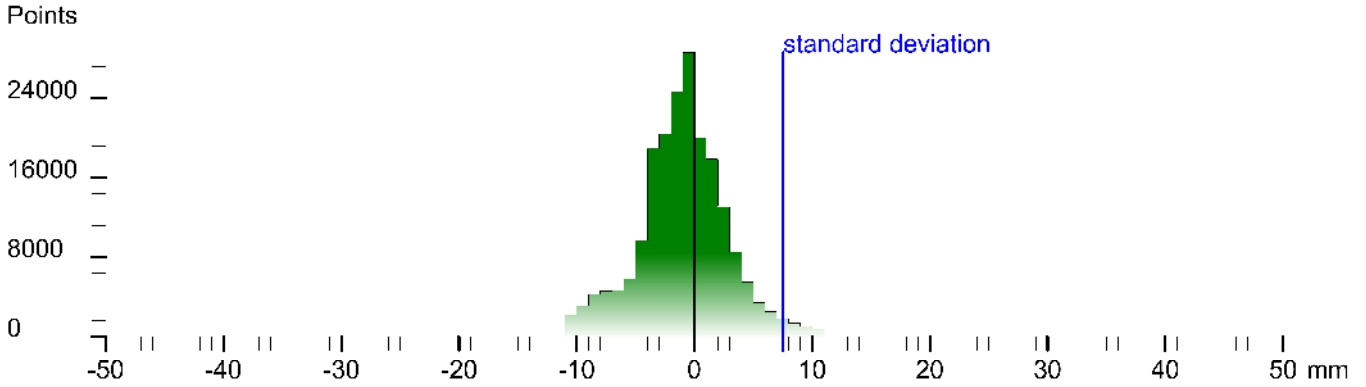
# Scan position '222'

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

0.976268	0.216526	0.004072	-29.2197 m
-0.216512	0.976274	-0.003599	3.0531 m
-0.004754	0.002632	0.999985	0.2763 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:7.5 mm

## Deviation histogram



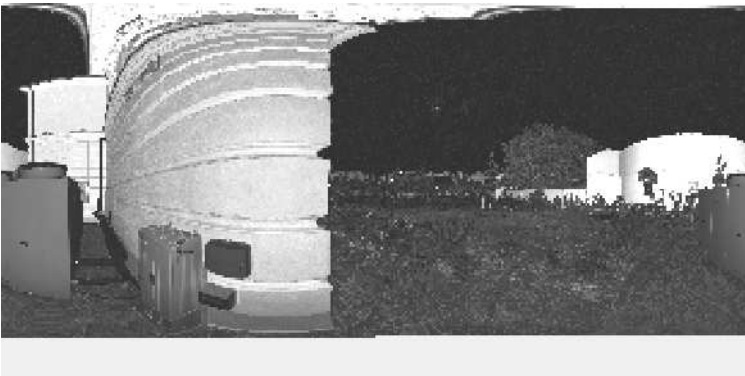
## Scan '222'

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: 1.002043 bar 93.7146 m  
nav translation: -10 2.776 m 29.7907 m 92.9328 m accuracies: 20.8278 m 20.8278 m 0.0000 m  
nav rotation: 0.0000 0.0000 2.9896 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
GPS: lat:45.157455 long:26.819016 satellites:4 height:130.8m hdop:4.3 vdcop:3.7m hacc:0.4-m vacc:17.0 flags:G3 's:anc:stbno 3D solution'  
initial pre position (3-coor):  
0.974 0.225 0.000 -63.641  
-0.225 0.974 0.000 -5.020  
0.000 0.000 1.000 15.581  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '223'

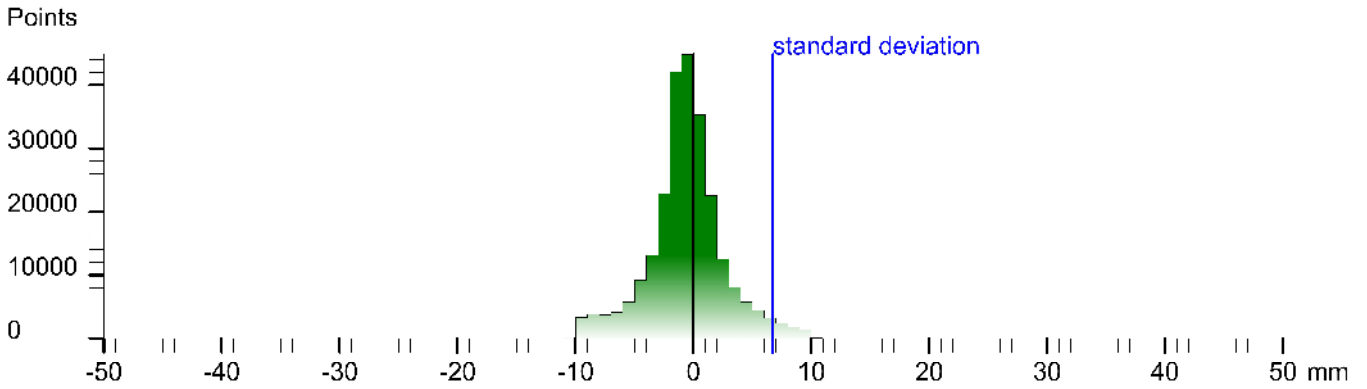
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.643210  0.765680  0.003984  -29.2413 m
-0.765671 0.643222 -0.003715  7.7403 m
-0.005406 -0.000662 0.999985   0.4726 m
0.000000  0.000000  0.000000   1.0000
  
```

Result registration cloud to cloud standard deviation:6.7 mm

## Deviation histogram



## Scan '223'

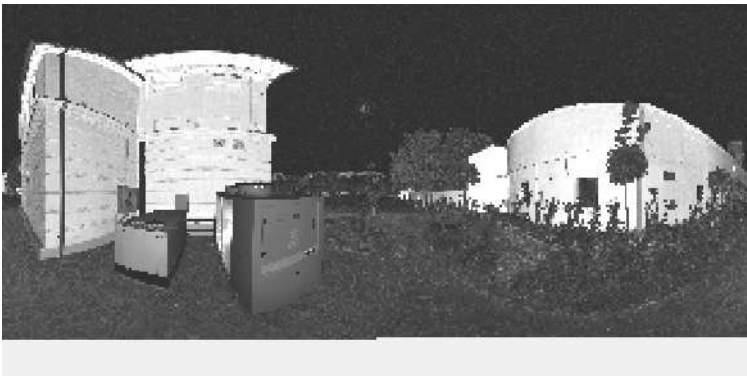
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

Scan position: '223' - member of group(s): '[102h] registered with cloud to cloud' - status registration '[102h] registered with cloud to cloud' - registration matrix: '0.643210 0.765680 0.003984 -29.2413 m -0.765671 0.643222 -0.003715 7.7403 m -0.005406 -0.000662 0.999985 0.4726 m 0.000000 0.000000 0.000000 1.0000' - standard deviation: '6.7 mm' - result registration: 'cloud to cloud standard deviation: 6.7 mm' - scan resolution: 'High' - quality: 'Normal'

Sensor  
 sensors: 3100 \* barometric transition rotation gps  
 Barometer: 1.002026 bar 93.8608 m  
 nav translation: 5.7693 m 1.1619 m 93.136° m accuracies: 8,0976 m 8,0976 m 0,0000 m  
 nav rotation: 0,0000 0,0000 61,1722 accuracies: 0,0000 0,0000 0,0000  
 upside-down: no  
 GPS: 14:51:57489 long: 26 819050 satellites: 5 height: 133.2m hddop: 3.8 vddop: 2.3m hacc: 9.8m vacc: 12.0 flags: 63 's:anc:abcnc 3D solution'  
 north: 5000482.287 m east: 485776.225 m zone: 35T  
 Initial pre position (3-coor):  
 0.487 0.876 0.000 -57.871  
 -0.878 0.482 0.000 -9.199  
 0.000 0.000 1.000 16.117  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



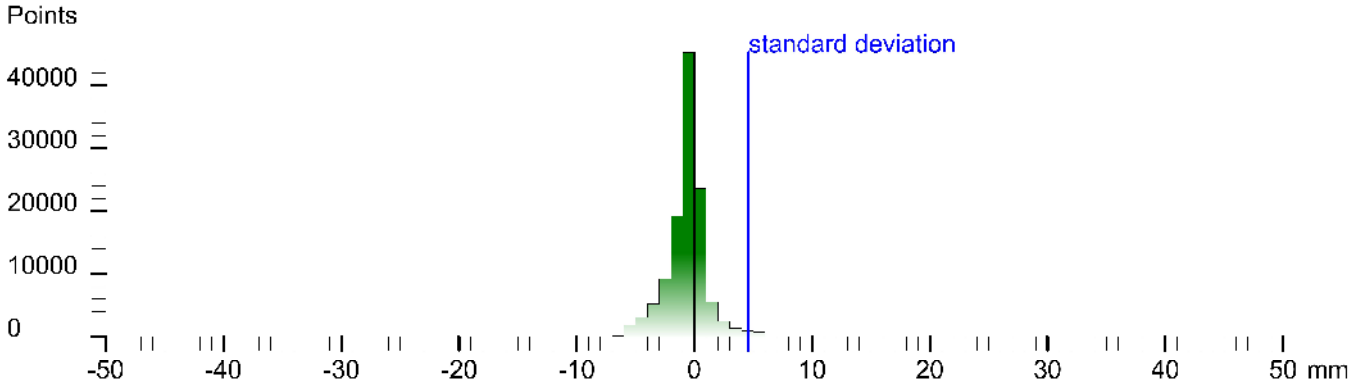
# Scan position '224'

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

```
0.812312 -0.583222 0.000649 -28.6423 m
0.583222 0.812313 0.000304 10.6892 m
-0.000704 0.000131 1.000000 0.3960 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.6 mm

## Deviation histogram



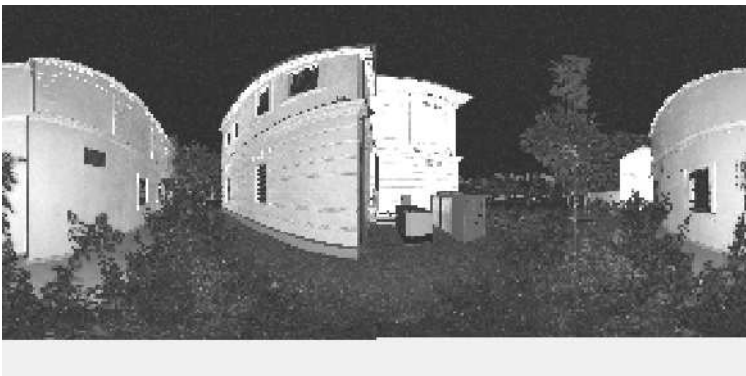
## Scan '224'

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 *barome or transition rotation gps
Barometer: 1.001986 bar 94.1993 m
nav translation: 3.2514 m 1.9981 m 93.586° m accuracies: 7.0300 m 7.0300 m 0.0000 m
nav rotation: 0.0000 0.0000 338.7444 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat:45.157632 long:26.819059 satellites:4 height:127.5m hddo:2.8 vdcpl:5.2m hacc:6.8-m vacc:8.6 flags:G3 stand alone 3D solution
north:5000466.339 m east:485778.213 m zone:35T
Initial pre position (3.o. t.coor):
0.937 -0.363 0.000 -54.87C
0.383 0.032 0.000 21.°B2
0.000 0.000 1.000 16.567
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



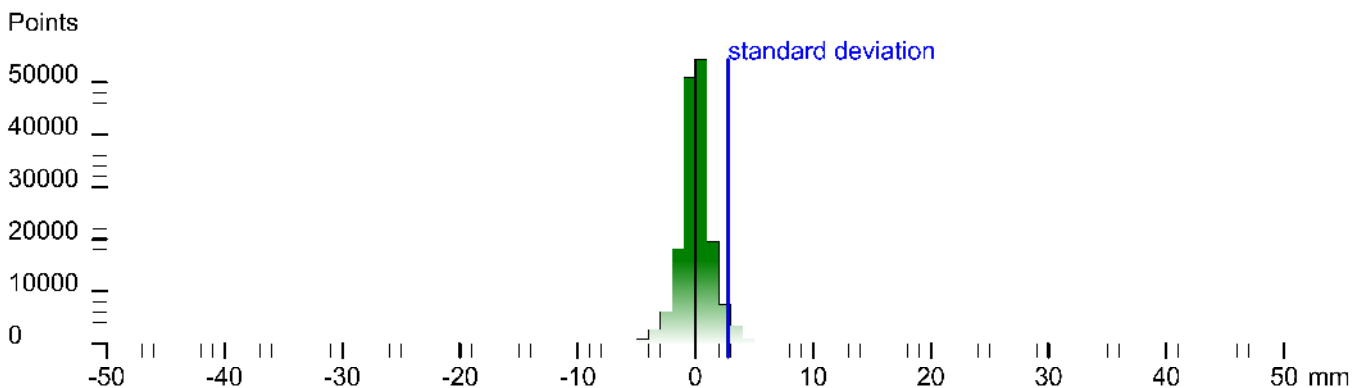
# Scan position '225'

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

```
0.918097 -0.396358 0.000419 -23.7039 m
0.396358 0.918097 0.000248 13.9754 m
-0.000483 -0.000062 1.000000 0.4314 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.8 mm

## Deviation histogram



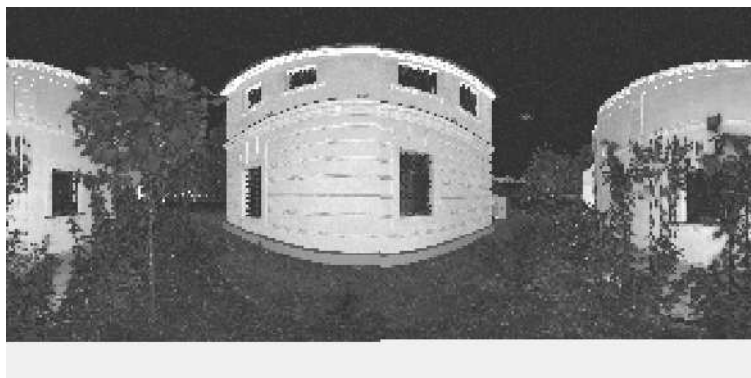
## Scan '225'

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: '145.157558; 26.819117; 123.4' height: 4.4 m; v-dop: 4.0; h-dop: 12.0; acc: 14.0; flags: 'G3' 'stand alone 3D solution'  
Sensor  
sensors: 3100 * barometric transition rotation gps  
Barometer: 1.001973 bar 94.3104 m  
nav translation: 3.2937 m 3.8905 m 91.3949 m accuracies: 7.7115 m 7.7115 m 0.0000 m  
nav rotation: 0.0000 0.0000 348.6301 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS lat: 45.157558 long: 26.819117 satellites: 4 height: 123.4 m h-dop: 4.4 v-dop: 4.0 h-acc: 12.0 m v-acc: 14.0 flags: 'G3' 'stand alone 3D solution'  
Initial pre position (3-coor):  
0.980 -0.197 0.000 -51.326  
0.097 0.300 0.000 25.72  
0.000 0.300 1.000 17.076  
0.000 0.300 0.000 1.000
```

Level system info: dynamic compensator available.





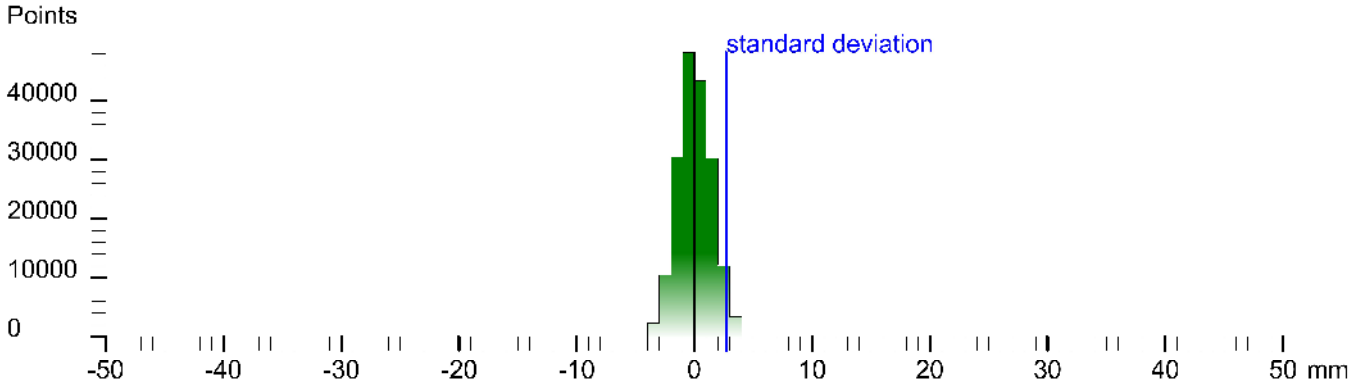
# Scan position '227'

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

```
-0.971672 -0.236336 -0.000057 -29.7381 m  
0.236336 -0.971672 0.000066 12.6829 m  
-0.000071 0.000051 1.000000 0.5167 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.7 mm

## Deviation histogram



## Scan '227'

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 command: 'cd /usr/bin/303' filename: '148:227' filepath: '227' path: 'M:\a\B\scans\Epulis\Basic\correc...M\sc\B\scans\Epulis\Basic\spike\Tempik...' temp: 20.000000 temp: 20.000000 temp: 20.000000 temp: 20.000000 temp: 20.000000 temp: 20.000000 temp: 20.000000 temp: 20.000000 temp: 20.000000 temp: 20.000000  
Sensor  
sensors: 3100 *barome or transition rotation gps  
Barometer: 1.001849 bar 95.3511 m  
nav translation: -1.5784 m -1.3752 m 95.3079 m accuracies: 6.1556 m 5.1556 m 0.0001 m  
nav rotation: 0.0000 0.0000 208.2060 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS lat: 45.157524 long: 26.819089 satellites: 4 height: 130.4m hdop: 2.9 vldcp: 4.2m hacc: 2.0m vacc: 12.0 tags: G3 *stand alone 3D solution  
north: 5000465.90 m east: 489778.991 m zone: 35T  
Initial pre position (3-coor):  
-0.881 -0.473 0.000 -52.722  
0.473 -0.881 0.000 25.526  
0.000 0.000 1.000 18.289  
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'

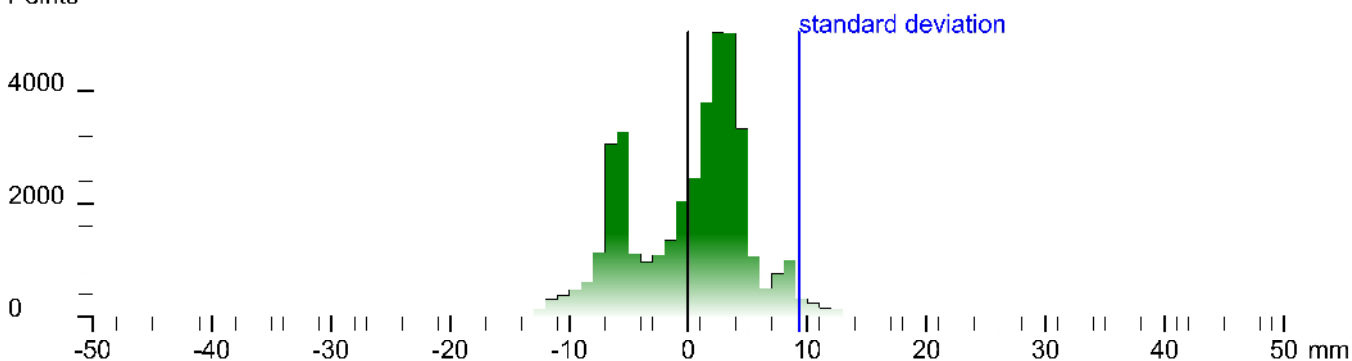
Registration matrix:

```
0.337444 -0.941346 -0.000877 -12.4947 m  
0.941337 0.337445 -0.004063 -13.5805 m  
0.004120 0.000545 0.999991 -0.8252 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:9.3 mm

## Deviation histogram

Points



## Scan '23'

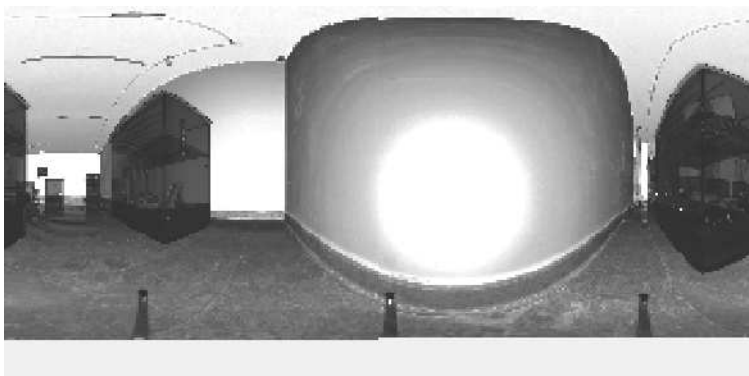
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

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

```
Scan comment: null  
Sensor  
sensors: 3096 "barometric transition rotation"  
Barometer: 1.003821 bar 78.7955 m  
nav translation: 0.9138 m 0.2573 m 78.282" m accuracies: 5.6645 m 5.6645 m 0.0000 m  
nav rotation: 0.0000 0.0000 342.2671 accuracies: 0.0000 0.0000 1s:0.0000  
upside-down: no  
Initial pre position: (0/door)  
0.852 -0.395 0.000 -1.386  
0.300 0.962 0.000 14.342  
0.000 0.000 1.000 1.271  
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'

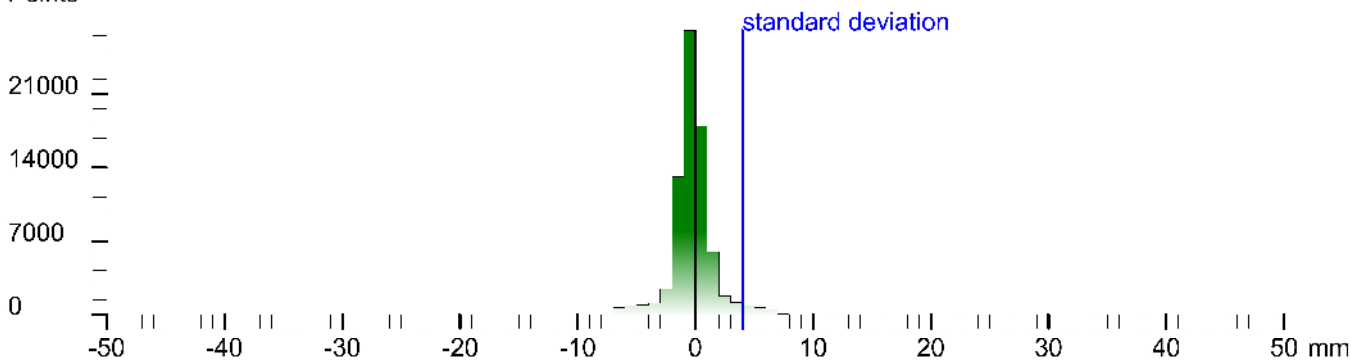
Registration matrix:

```
-0.205927 -0.978568 -0.000197 -13.7328 m
0.978568 -0.205927 0.000411 -0.3818 m
-0.000442 -0.000108 1.000000 0.6222 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.0 mm

## Deviation histogram

Points



## 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 comment: '148:25' filename: '148:25' scanid: '25' path: 'M:\scans\Bosch\Bosch\scans\M...\M...\Bosch\Bosch\Bosch\scans\148:25' sensor: 'Z+F IMAGER 5016' sensor serial: '5016-0100' sensor firmware: '9.0.3.6562-0' scan resolution: 'High' scan quality: 'Normal'
Sensor
sensors: '3096' (barometric transition rotation)
Barometer: 1.003529 bar 81.2337 m
nav translation: 4.2218 m 5.4385 m 80.0972 m accuracies: 3.6758 m 3.6758 m 0.0000 m
nav rotation: 0.0000 0.0000 263.6920 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
-3.110 -0.584 0.000 3.427
0.994 -0.110 0.000 16.996
0.000 0.000 1.000 3.666
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 '[102h] registered with cloud to cloud'

Registration matrix:

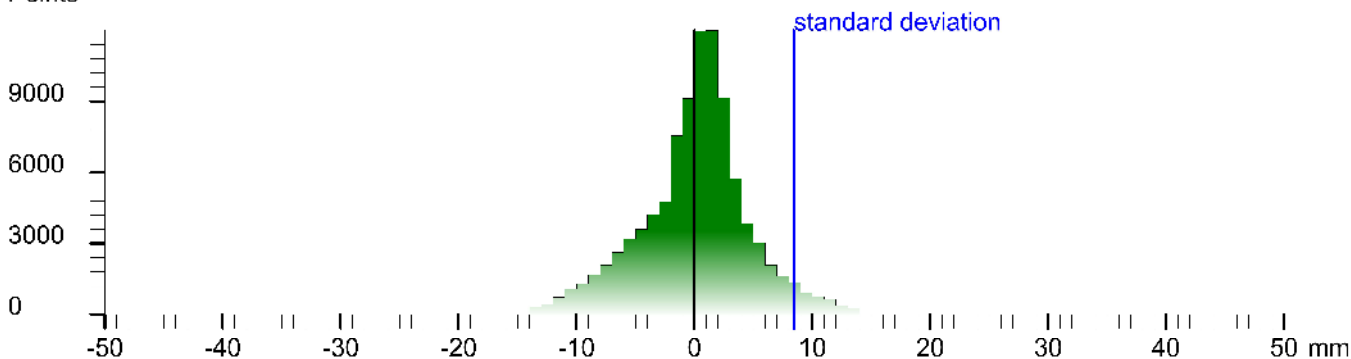
```

0.970589  0.240743  0.000340  -6.3871 m
-0.240743  0.970588  0.001751  -10.7510 m
0.000092  -0.001781  0.999998  0.6230 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation:8.4 mm

## Deviation histogram

Points



## 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 position: '148:28' - name: '148:28' - scan: '28' - type: 'Laser-Based' - sensor: 'Laser-Based' - position: '148:28' - status: 'Registered' - registration: 'Cloud to Cloud' - standard deviation: '8.4 mm' - quality: 'High' - resolution: 'Normal'
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.003496 bar 81.5228 m
nav translation: -5.1081 m -1.5016 m 81.1037 m accuracies: 8.3476 m 8.3476 m 0.0000 m
nav rotation: 0.0000 0.0000 22.1484 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
0.926 0.377 0.000 3.031
-0.377 0.926 0.000 6.562
0.000 0.000 1.000 4.393
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'

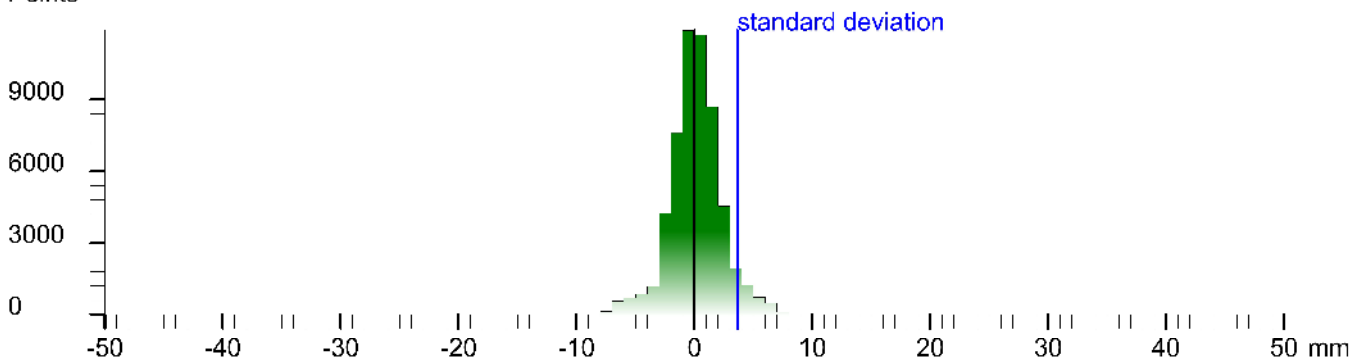
Registration matrix:

0.999329	-0.036645	0.000108	-1.8082 m
0.036645	0.999328	0.001414	-7.4731 m
-0.000160	-0.001410	0.999999	0.6190 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 3.6 mm

## Deviation histogram

Points



## Scan '29'

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

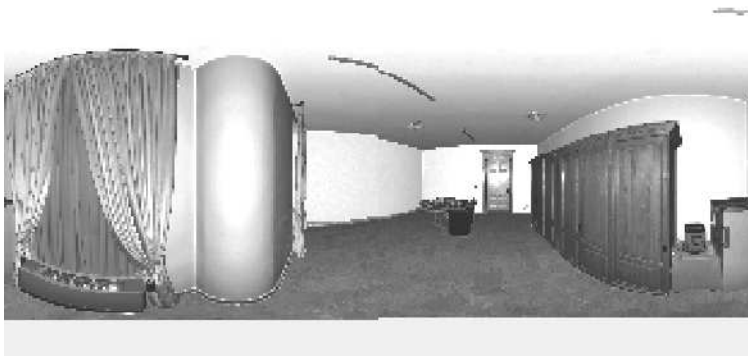
Scan resolution 'High' quality 'Normal'

### Metadata Value

comment	Value
operator	

```
Sensor: 3096 *barome or transition rotation*  
Barometer: 1.003446 bar 81.9359 m  
nav translation: -1.1763 m -1.3072 m 81.3095 m accuracies: 5.98/2 m 5.98/2 m 0.0000 m  
nav rotation: 0.0000 0.0000 4.7216 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position (Girdoor)  
0.997 0.082 0.000 1.865  
-0.082 0.997 0.000 1.526  
0.000 0.000 1.000 4.299  
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'

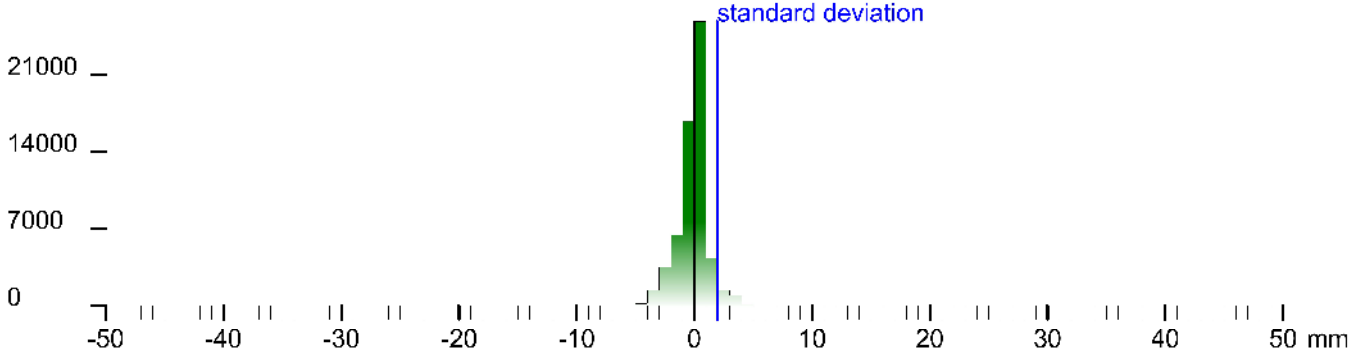
Registration matrix:

-0.277501	-0.960726	0.000064	-6.5513 m
0.960726	-0.277501	0.001251	-8.5934 m
-0.001184	0.000409	1.000000	0.6184 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:1.9 mm

## Deviation histogram

Points



## 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: '01.19.2016 10:31' filename: '146:59' scanDate: '30' type: 'Manual' Base coordinate: 'Epolite Base' scene: 'Manuf Base' Base coordinate: 'Epolite Base' scene: 'Epolite' Time coordinate: 'Stamp' Date: '2016-09-29 10:31:31' Location: 'Manuf Base' Scan resolution: 'High' quality: 'Normal' type: '3D'
Sensor
sensors: '3096 *barometer transition rotation'
Barometer: 1.003389 bar 82.414 m
nav translation: -3.6900 m 1.8185 m 81.3781 m accuracies: 5.0819 m 5.0819 m 0.0000 m
nav rotation: 0.0000 0.0000 262.8262 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pos position: '(0 indoor)'
-3.125 -0.982 0.000 1.165
0.992 -0.125 0.000 1.073
0.000 0.000 1.000 4.337
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'

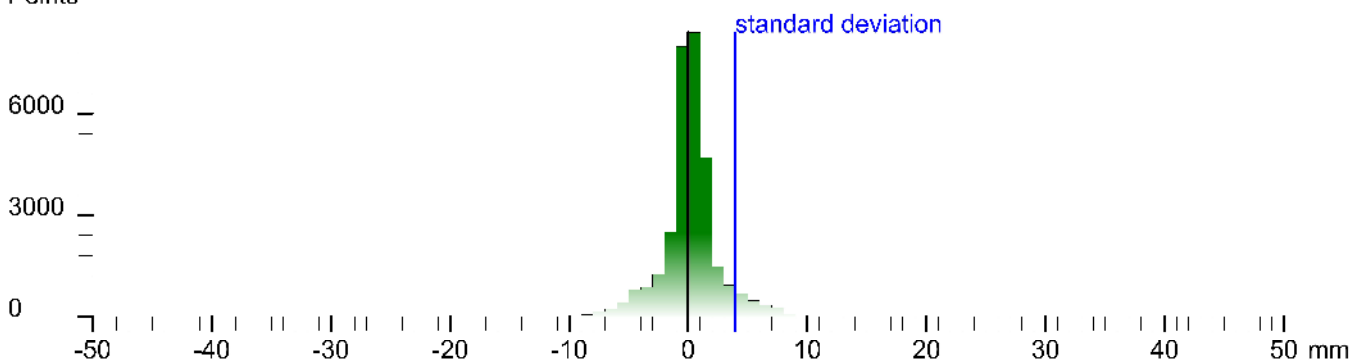
Registration matrix:

```
0.704734 0.709473 0.000025 -4.7005 m
-0.709472 0.704733 0.001692 -4.8683 m
0.001183 -0.001212 0.999999 0.6177 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.9 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
comment	
operator	

```
Sensor: 3096 *barometer transition rotation*
Barometer: 1.003282 bar 83.3173 m
nav translation: 1.170 m -2.8905 m 82.8234 m accuracies: 0.7080 m 0.7080 m 0.3000 m
nav rotation: 0.0000 0.0000 69.3037 accuracies: 0.3000 0.0000 15.0000
upside-down: no
Initial pre position: (0 indoor)
0.510 0.860 0.060 2.282
-0.860 0.510 0.060 -4.083
0.000 0.000 1.000 5.817
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 '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

```
0.669420 -0.742871 0.004553 -2.9766 m
0.742825 0.669431 0.008657 -4.8655 m
-0.009479 -0.002413 0.999952 -0.8345 m
0.000000 0.000000 0.000000 1.0000
```

## 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	

```
Sensor: 3096 "barometric translation rotation"
Barometer: 1.003421 bar 82.1479 m
nav translation: -2.0086 m -1.6967 m 81.7671 m accuracies: 0.4616 m 0.4616 m 0.0000 m
nav rotation: 0.00000 0.00000 0.00000 / accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0/indoor)
0.781 -0.621 0.000 0.273
0.671 0.784 0.000 12.386
0.000 0.000 1.000 4.756
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'

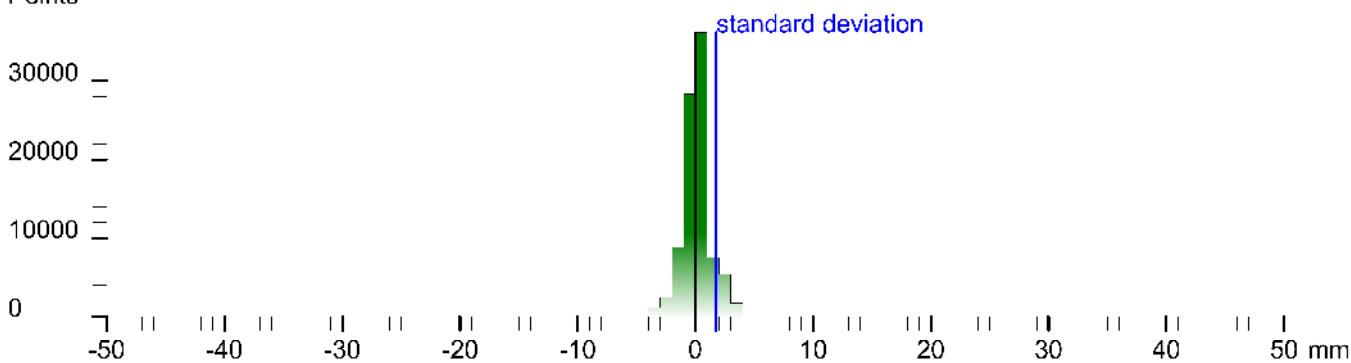
Registration matrix:

```
-0.981591 -0.191000 -0.000357 -19.7512 m
 0.191000 -0.981591  0.000559  -0.3514 m
-0.000457  0.000481  1.000000   0.6269 m
 0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## 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: 3096 *barome or transition rotation*
Barometer: 1.003081 bar 24.915° m
nav translation: -3.9977 m 1.5659 m 8° 1683 m accuracies: 0.0803 m 0.0803 m 0.0001 m
nav rotation: 0.0000 0.0000 *99.0:03 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pos position: (0 indoor)
-3.945 -0.326 0.000 -3.72/
 0.326 -0.945 0.000 *3.9/2
 0.000 0.000 1.000 7.157
 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 '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

-0.660520	0.750788	-0.005559	-22.2867 m
-0.750805	-0.660473	0.008325	-0.8534 m
0.002579	0.009673	0.999950	0.5952 m
0.000000	0.000000	0.000000	1.0000

## 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 position: 34 [10123h] preregistered with cloud to cloud, manually'
Sensor
sensors: 3096 "barometric (translation: rotation)"
Barometer: 1,002988 bar 85,6985 m
nav translation: 0,2309 m 1,6501 m 84,7789 m accuracies: 6,0569 m 6,0569 m 0,0002 m
nav rotation: 0,0000 0,0000 -79,5749 accuracies: 0,0000 0,0000 15,0000
upside-down: no
Initial pre position: (0/indoor)
-0,656 0,771 0,000 -0,491
-0,771 -0,656 0,000 15,882
0,000 0,000 1,000 7,738
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 '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

-0.979927	0.199306	0.004750	-20.8708 m
-0.199302	-0.979938	0.001308	-2.8359 m
0.004915	0.000335	0.999988	0.6207 m
0.000000	0.000000	0.000000	1.0000

## 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 comment: null  
Sensor

sensors: 3096 "barometric (translation: rotation)"

Barometer: 1,002856 bar 58,8903 m

nav translation: -2,3774 m -0,9146 m 85,9590 m accuracies: 6,4037 m 5,4037 m 0,0006 m

nav rotation: 0,00000 0,00000 "16,0009 accuracies: 0,00000 0,00000 15,0000"

upside-down: no

Initial pre position (0/indoor)

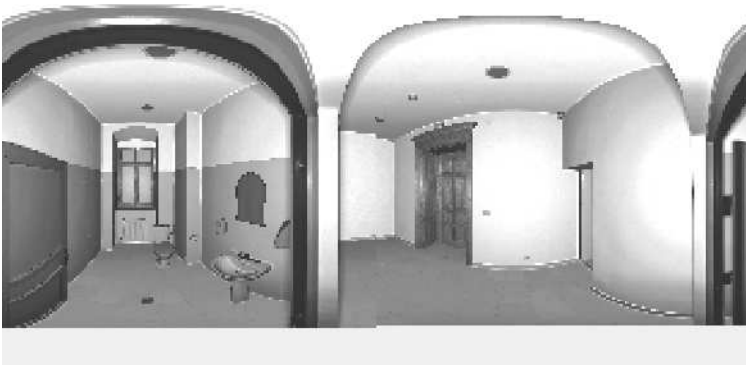
-0,438 0,899 0,000 -3,777

-0,899 -0,435 0,000 16,328

0,000 0,000 1,000 5,945

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'

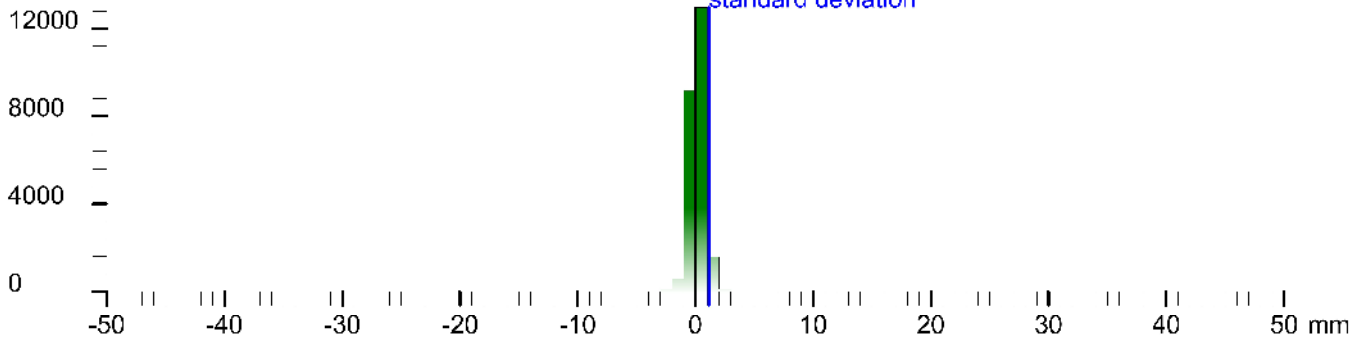
Registration matrix:

0.675556	0.737289	0.005451	-18.9095 m
-0.737305	0.675560	0.001358	-2.9249 m
-0.002681	-0.004936	0.999984	0.6165 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.1 mm

## Deviation histogram

Points



## 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 on name: 'M:\38\scan\_38' filename: '146758' scan no: '38' path: 'M:\38\scan\_38' folder: 'M:\38\scan\_38' file name: 'Equirect' base folder: 'M:\38\scan\_38' file extension: 'equirect.20' camera: 'Z+F' position: '5016-0100' camera type: 'Z+F' resolution: 'High' quality: 'Normal' scan no: '38'

Sensor

sensors: 3096 \*barome or transition rotation\*

Barometer: 1.002729 bar 87.9812 m

nav translation: 0.4890 m -2.9824 m 87.3345 m accuracies: 0.6338 m 0.6338 m 0.0002 m

nav rotation: 0.0000 0.0000 46.9473 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pos position: (0,0,0)

0.683	0.731	0.000	-3.272
-0.731	0.683	0.000	-4.492
0.000	0.000	1.000	10.374
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'

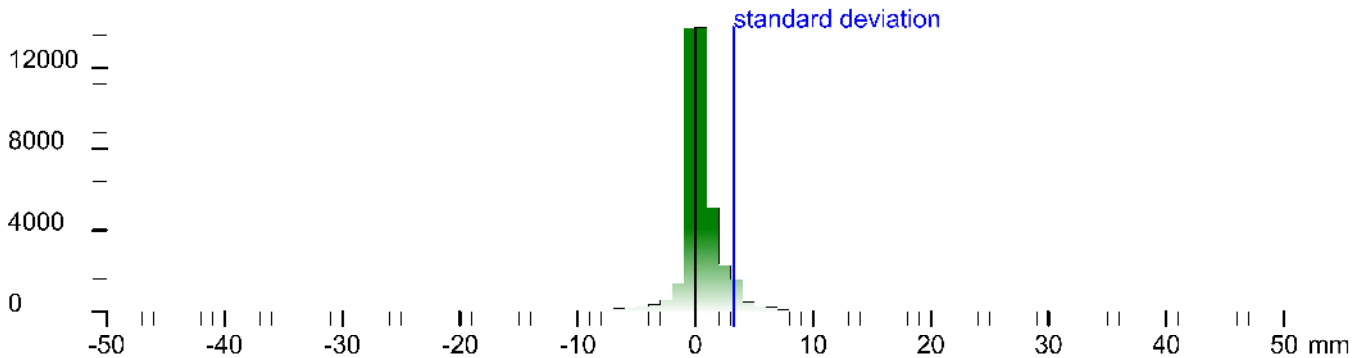
Registration matrix:

```
-0.695031  0.718964  0.004871 -19.8257 m
-0.718970 -0.695042  0.000932  -6.8345 m
 0.004056 -0.002854  0.999988   0.6188 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:3.2 mm

## Deviation histogram

Points



## Scan '39'

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

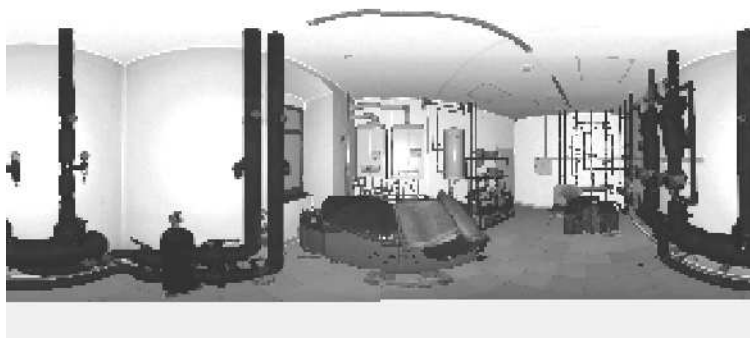
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '39' - name: '14h:59:00' - sensor: 'Z+F IMAGER 5016' - serial: '5016-0100' - firmware: '9.0.3.6562-0' - resolution: 'High' - quality: 'Normal' - scan: '39'
```

Sensors: 3096 'barometric transition rotation'  
Barometer: 1.002875 bar 88.4146 m  
nav translation: -2.5526 m 1.1883 m 87.5901 m accuracies: 0.5327 m 0.5327 m 0.0000 m  
nav rotation: 0.0000 0.0000 47.9921 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0/door)  
-3.818 0.530 0.000 -5.625  
-0.580 -0.846 0.000 15.681  
0.000 0.000 1.000 10.568  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '4'

Scan position is member of group(s):

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

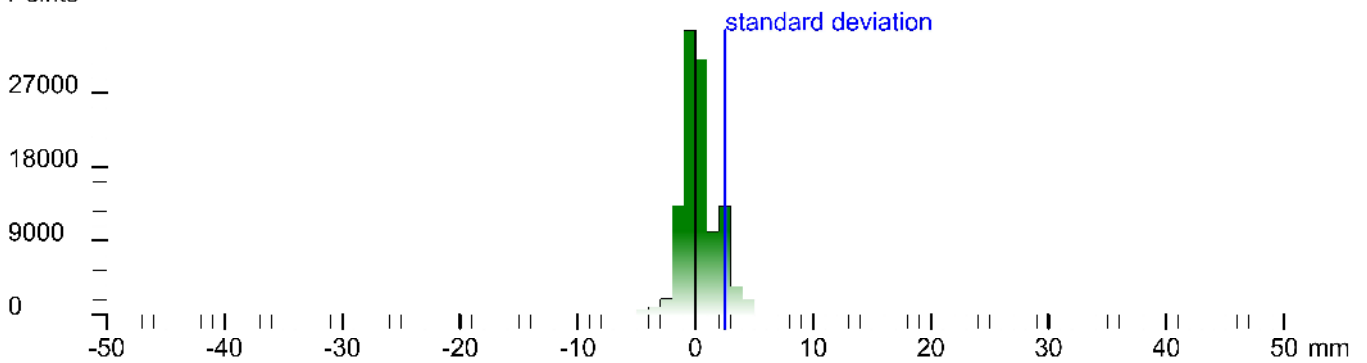
Registration matrix:

-0.920588	-0.390536	0.000763	-11.3445 m
0.390537	-0.920587	0.000785	-2.0132 m
0.000395	0.001021	0.999999	0.6242 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:2.5 mm

## Deviation histogram

Points



## Scan '4'

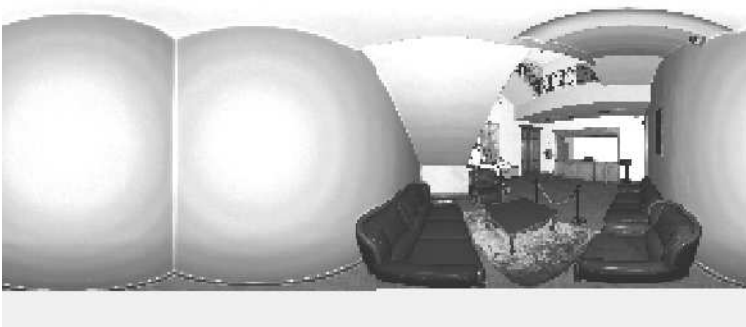
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 1.004056 bar 78.8258 m
nav translation: -2.3082 m 0.0056 m 70.1011 m accuracies: 6.3361 m 6.3361 m 0.0000 m
nav rotation: 0.0000 0.0000 218.9661 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (0/door)
-3.778 -0.628 0.000 -6.288
0.629 -0.778 0.000 -6.288
0.000 0.000 1.000 -0.607
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '40'

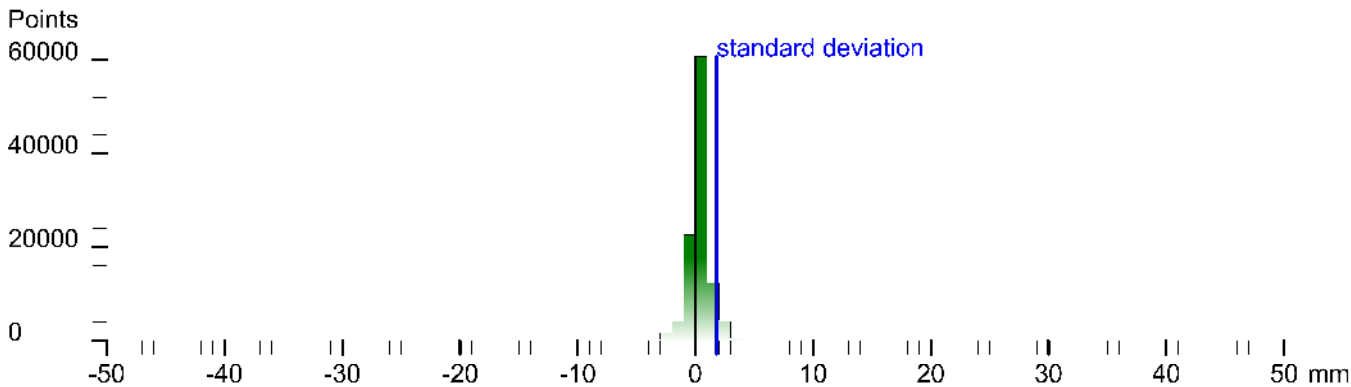
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

0.226416 -0.974032 -0.000594 -20.6645 m
0.974031 0.226415 0.000652 3.1723 m
-0.000501 -0.000727 1.000000 0.6205 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram



## 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	

Sensor: 3096 \*barometric transition rotation\*  
 Barometer: 1.002545 bar 83.5046 m  
 nav translation: 8.529 m 1.6184 m 88.417 m accuracies: 9.3116 m 9.3116 m 0.0000 m  
 nav rotation: 0.0000 0.0000 293.1071 accuracies: 0.0000 0.0000 1s.0000  
 up/down: no  
 Initial pre position: (Girdoor)  
 0.392 -0.920 0.000 2.328  
 0.920 0.392 0.000 17.330  
 0.000 0.000 1.000 11.491  
 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 '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

-0.974824	-0.222922	0.005039	-22.1910 m
0.222810	-0.974718	-0.016817	3.4450 m
0.008660	-0.015271	0.999846	0.6066 m
0.000000	0.000000	0.000000	1.0000

## 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

Scan comment: null  
Sensor

sensors: 3096 "barometric (translation: rotation)"

Barometer: 1,002882 bar 69,1913 m

nav translation: 2,9100 m 0,4102 m 88,9630 m accuracies: 6,5808 m 6,5808 m 0,0000 m

nav rotation: 0,0000 0,0000 204,9029 accuracies: 0,0000 0,0000 15,0000

upside-down: no

Initial pre position: (0/indoor)

-0,907 -0,121 0,000 5,238

0,421 -0,907 0,000 7,740

0,000 0,000 1,000 11,972

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

Level system info: dynamic compensator available.



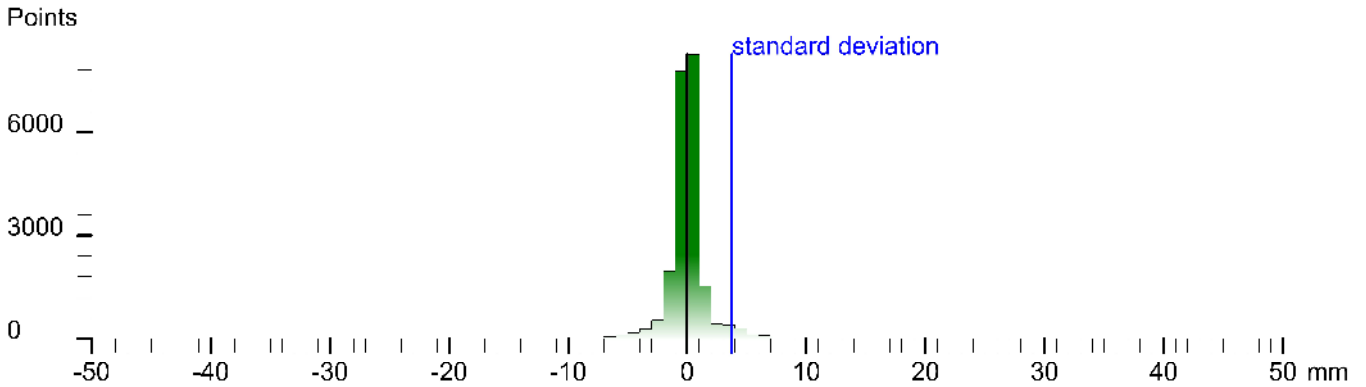
# Scan position '42'

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

0.252344	0.967620	0.006048	-23.1775 m
-0.967472	0.252412	-0.017024	0.9251 m
-0.017998	-0.001554	0.999837	0.5647 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:3.8 mm

## Deviation histogram



## Scan '42'

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 \*barome or transition rotation\*  
Barometer: 1.002699 bar 63.0512 m  
nav translation: -1.2224 m 1.1285 m 88.6738 m accuracies: 5.9602 m 5.9602 m 0.0001 m  
nav rotation: 0.0000 0.0000 69.8017 accuracies: 0.0000 0.0000 16.0000  
up/down: no  
Initial pre position: (Girdoor)  
0.003 1.000 0.000 4.0°C  
-1.000 0.003 0.000 8.8°C  
0.000 0.000 1.000 11.86°  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '43'

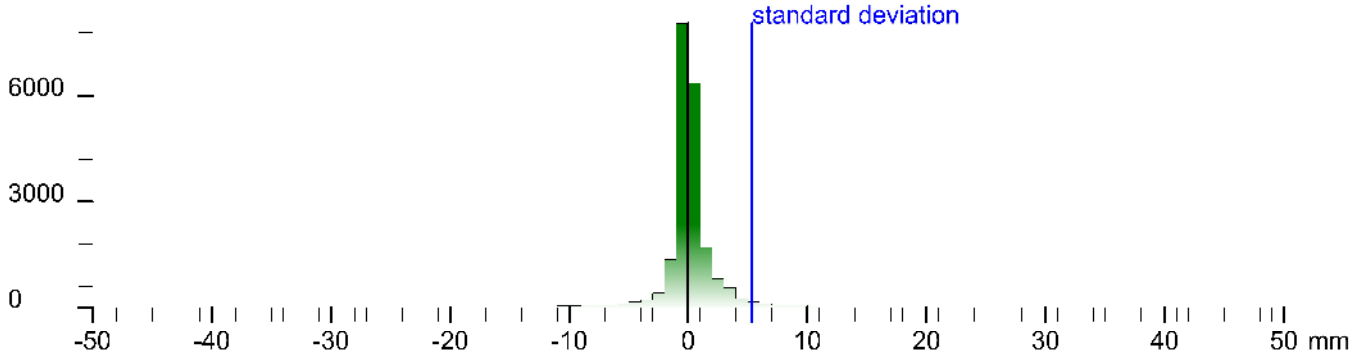
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

-0.948884	0.315587	0.005039	-24.3056	m
-0.315628	-0.948743	-0.016406	2.7386	m
-0.000397	-0.017156	0.999853	0.6004	m
0.000000	0.000000	0.000000	1.0000	

Result registration cloud to cloud standard deviation:5.4 mm

## Deviation histogram

Points



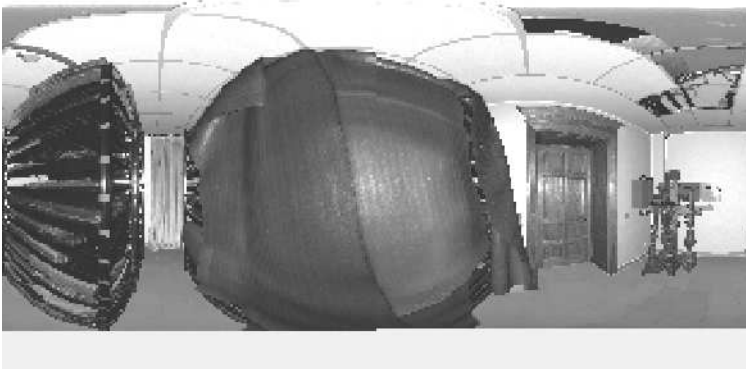
## Scan '43'

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 ID: scan_001_190804_1037 - name: 14h-M3-scan01 - 45 °phi - Max(Baseline) - Epifini Base - Base - Max(Baseline) - Epifini Base - phi - phi (Tan) - 1 - sensor: 3096 - barometer transition rotation - Sensor
sensors: 3096 - barometer transition rotation
Barometer: 1.002515 bar 83.7579 m
nav translation: -1.8968 m 0.6298 m 89.1635 m accuracies: 6. * 252 m 6. * 252 m 0.0005 m
nav rotation: 0.0000 0.0000 -90.8673 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (Girdoor)
-1.000 -0.015 0.000 2. * 20
0.015 -1.000 0.000 -9.508
0.000 0.000 1.000 12. * 53
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



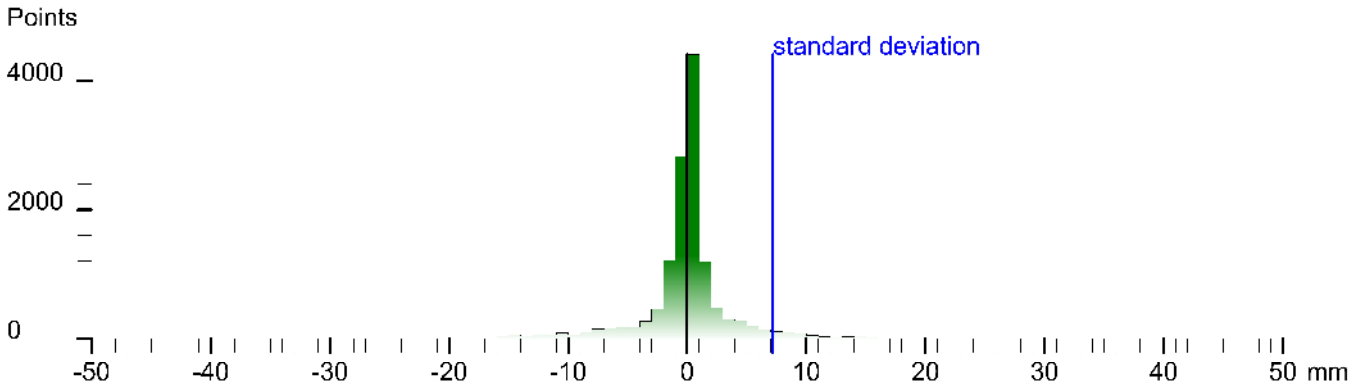
# Scan position '44'

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

```
-0.497362 -0.867531 0.004793 -26.5361 m  
0.867385 -0.497370 -0.016397 1.3171 m  
0.016607 -0.003998 0.999854 -0.8512 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 7.2 mm

## Deviation histogram



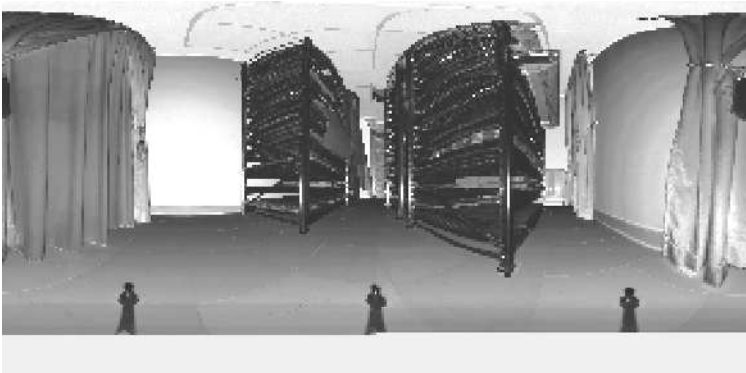
## Scan '44'

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

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
Barometer: 1.002744 bar 87.834 m  
nav translation: -1.3105 m 2.2593 m 87.3922 m accuracies: 6.1456 m 6.1456 m 0.0033 m  
nav rotation: 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 1.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.581 -0.812 0.000 0.779  
0.612 0.584 0.000 21.768  
0.000 0.000 1.000 10.371  
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 '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

-0.661540	-0.749897	0.004569	-21.7048 m
0.749762	-0.661518	-0.015909	4.1659 m
0.014952	-0.007099	0.999863	-0.8223 m
0.000000	0.000000	0.000000	1.0000

## 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	

Sensor: 3096 "barometric translation rotation"

Barometer: 1,002842 bar 88,6898 m  
nav translation: -3,9114 m -3,3750 m 88,113 m accuracies: 0,9105 m 6,9105 m 0,0000 m  
nav rotation: 0,00000 0,00000 249,3226 accuracies: 0,00000 0,00000 15,00000  
upside-down: no  
Initial pre position (0:indoor)  
-0,353 -0,936 0,000 -0,162  
0,936 -0,353 0,000 8,393  
0,000 0,000 1,000 11,400  
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 '[10123h] preregistered with cloud to cloud, manually'

Registration matrix:

-0.070532	-0.736354	-0.672958	-18.4546 m
0.844368	0.315092	-0.433308	2.5011 m
0.531101	-0.598743	0.599508	3.0239 m
0.000000	0.000000	0.000000	1.0000

## 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

Scan comment: [10123h] preregistered with cloud to cloud, manually  
Sensor

sensors: 3096 "barometric (translation: rotation)"

Barometer: 1,002850 bar 88,6228 m

nav translation: 3,2007 m 0,9129 m 88,0027 m accuracies: 6,7813 m 6,7813 m 0,0002 m

nav rotation: 0,0000 0,0000 0,0000 accuracies: 0,0000 0,0000 15,0000

upside-down: no

Initial pre position (0/indoor)

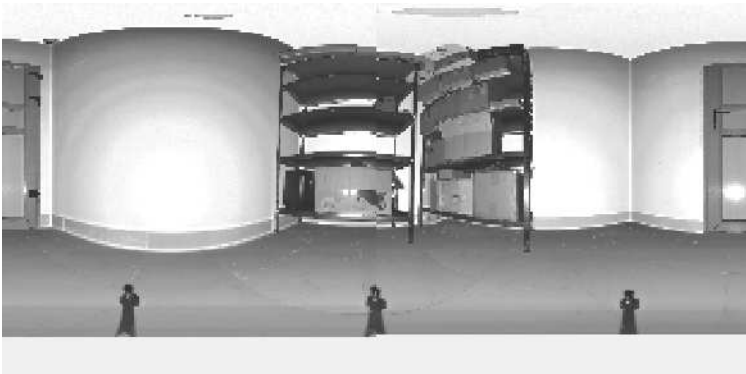
-3,410 -0,912 0,000 3,039

0,912 -0,410 0,000 3,306

0,000 0,000 1,000 10,992

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'

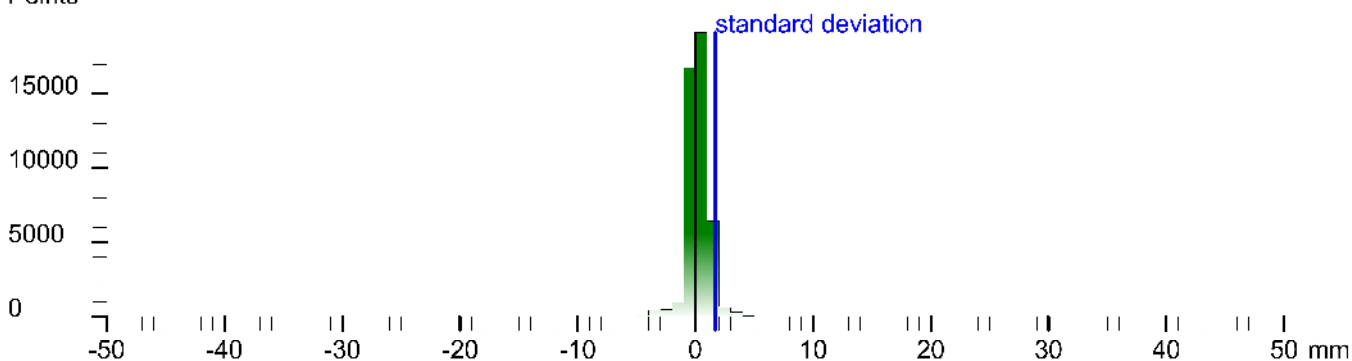
Registration matrix:

0.999952	0.008321	0.005294	-21.7642 m
-0.008236	0.999843	-0.015787	9.3550 m
-0.005424	0.015743	0.999861	0.6973 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:1.7 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	

Sensor info: 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Sensors: 3096 \*barometric transition rotation\*

Barometer: 1.002465 bar 90.1773 m

nav translation: 0.2900 m -1.0138 m 89.7742 m accuracies: 5.9982 m 5.9982 m 0.0000 m

nav rotation: 0.0000 0.0000 4.6780 accuracies: 0.0000 0.0000 18.3000

upside-down: no

Initial pre position (Girdoor)

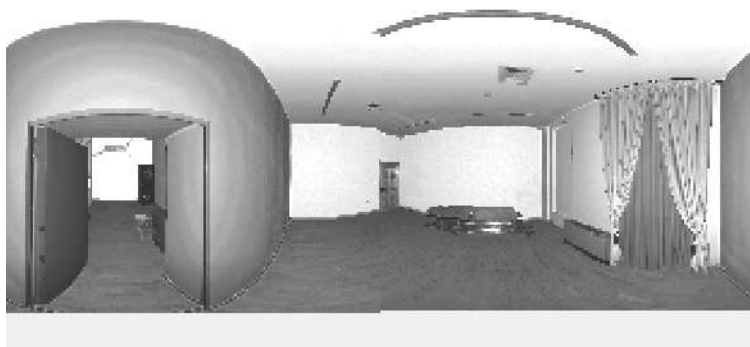
0.997 0.082 0.000 3.335

-0.082 0.997 0.000 7.662

0.000 0.000 1.000 12.783

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:

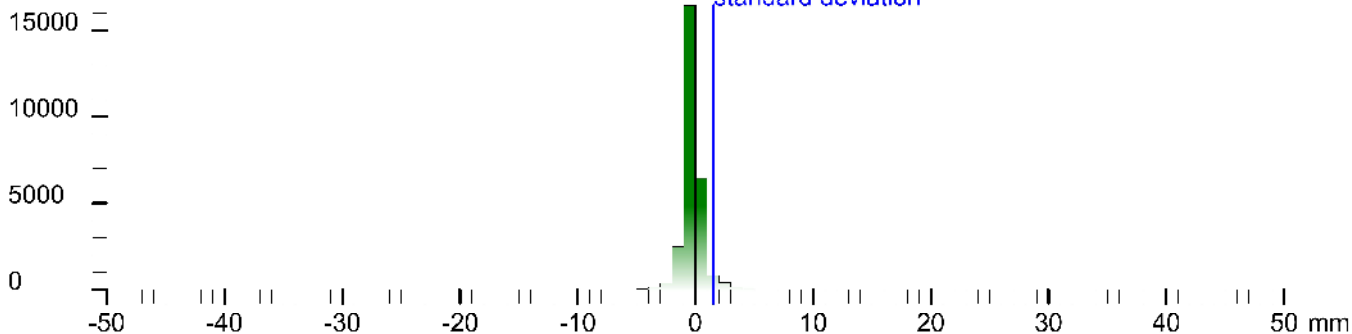
```

0.988725  0.149641  0.005718  -17.4147 m
-0.149537 0.988633  -0.015656  12.6413 m
-0.007995 0.014624  0.999861   0.7217 m
0.000000  0.000000  0.000000   1.0000
    
```

Result registration cloud to cloud standard deviation: 1.6 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	

```

Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.002514 bar 83.7869 m
nav translation: 0.9883 m -2.9034 m 89.415° 9 m accuracies: 5.6601 m 6.6501 m 0.0000 m
nav rotation: 0.0000 0.0000 4.0969 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pos position: (Girdoor)
0.970 0.214 0.000 4.320
-0.244 0.970 0.000 4.708
0.000 0.000 1.000 12.441
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



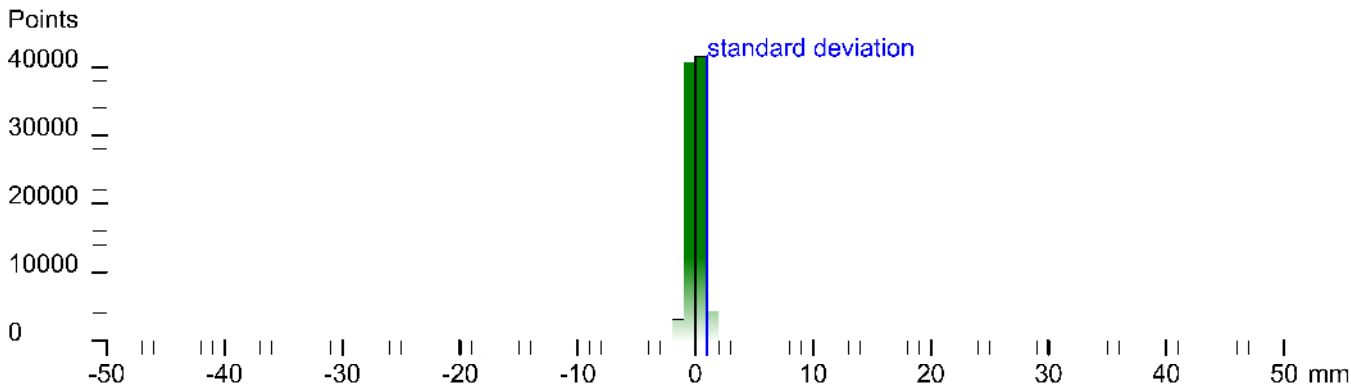
# Scan position '49'

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

```
0.819996 -0.572347 0.005229 -20.8194 m
0.572352 0.819860 -0.015679 7.0881 m
0.004686 0.015848 0.999864 0.6588 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



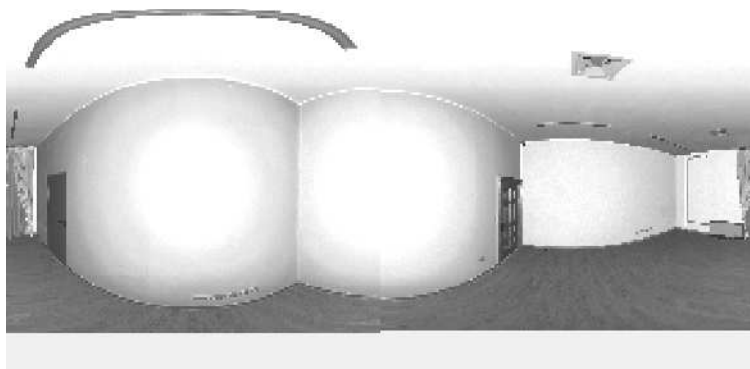
## Scan '49'

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

Metadata	Value
comment	
operator	

Sensor: 3096 \*barome or transition rotation\*  
 Barometer: 1.002575 bar 83.2433 m  
 nav translation: -5.5181 m 2.7286 m 88.7836 m accuracies: 8.7115 m 8.7115 m 0.0000 m  
 nav rotation: 0.0000 0.0000 534.5173 accuracies: 0.0000 0.0000 15.0000  
 up/down: no  
 Initial pre position: (0/door)  
 0.803 -0.430 0.000 -2.799  
 0.430 0.902 0.000 17.488  
 0.000 0.000 1.000 11.783  
 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'

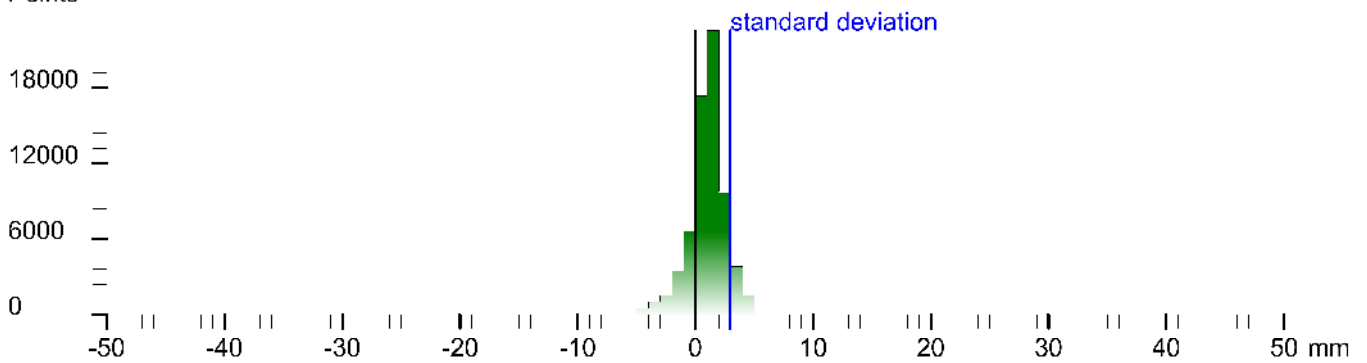
Registration matrix:

```
-0.985181 -0.171523 -0.000301 -9.4183 m  
0.171523 -0.985181 -0.000045 -6.6596 m  
-0.000289 -0.000096 1.000000 0.7033 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.0 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 comment: 'Z+F IMAGER 5016' serial number '5016-0100' Firmware '9.0.3.6562-0' Scan resolution 'High' quality 'Normal'  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.004131 bar 78.191 m  
nav translation: -3.1068 m 4.1923 m 75.6925 m accuracies: 7.'959 m 7.'959 m 0.0000 m  
nav rotation: 0.0000 0.0000 *86.8666 accuracies: 0.0000 0.0000 15.0000  
up/down: no  
Initial pre position: (Girdoor)  
-3.993 -0.1'5 0.000 -6.466  
0.'15 -0.993 0.000 -2.153  
0.000 0.000 1.000 -'328  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '50'

Scan position is member of group(s):

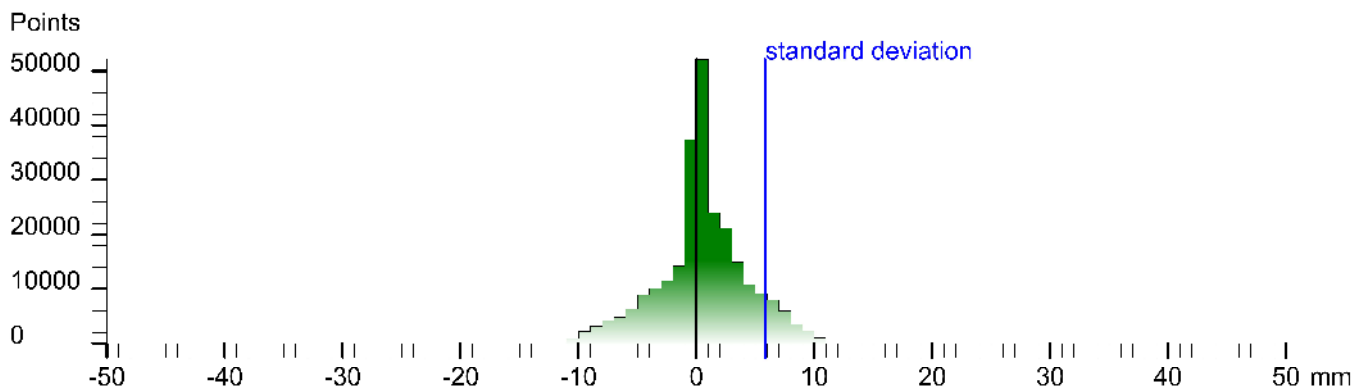
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

-0.732162	0.681131	-0.000029	-4.7132 m
-0.681131	-0.732162	0.000195	6.4114 m
0.000112	0.000163	1.000000	-0.0629 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:5.8 mm

## Deviation histogram



## Scan '50'

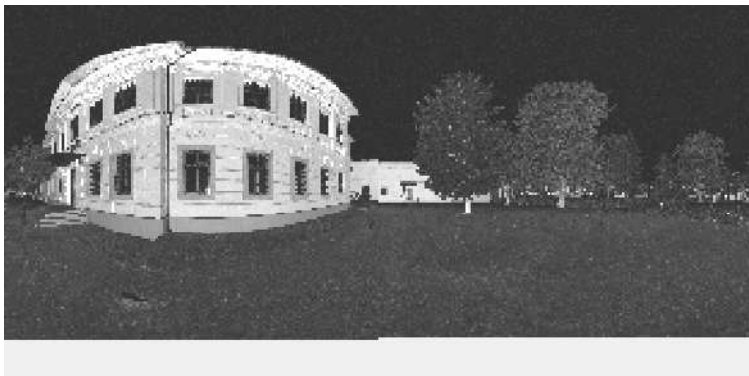
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor  
sensors: 3100 \*barome or transition rotation gps  
Barometer: 1.002647 bar 88.6428 m  
nav translation: 8.3898 m -21.2600 m 88.8732 m accuracies: 18.3395 m 18.3395 m 0.0000 m  
nav rotation: 0.0000 0.0000 \*58.4462 accuracies: 0.0000 0.0000 16.0000  
upside-down: no  
GPS lat:45.157421 lon:26 819387 satellites:3 height:135.7m hdop:6.6 vdcpl:1.0m hacc:21.0m vacc:5.7 flags:G2's are alone 2D solution'  
north:5000463.892 m east:489804.001 m zera:35T  
Initial pre position (3..tocoor)  
-0.748 0 863 0.000 6.191  
-0.689 -0.746 0.000 -8.772  
0.000 0.000 1.000 11.562  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



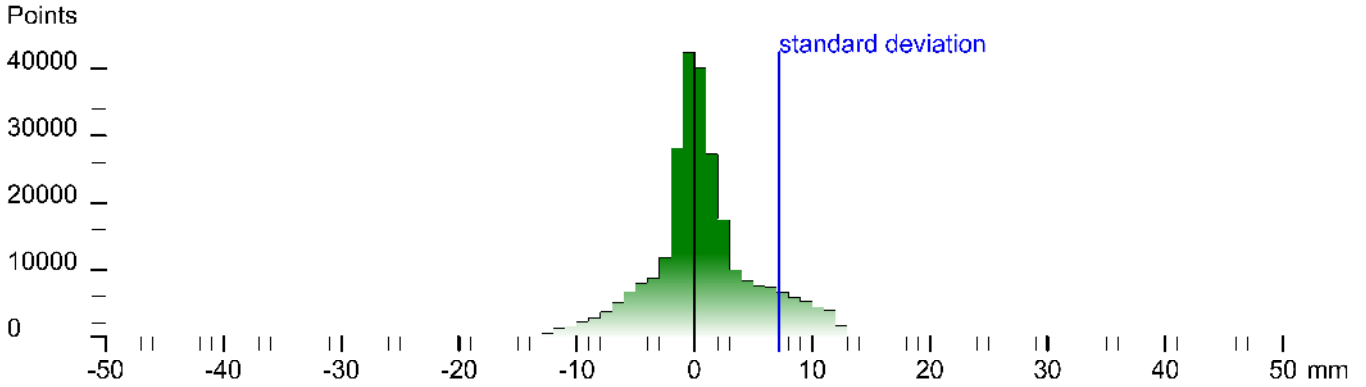
# Scan position '51'

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

```
-0.863033  0.505148  0.000439 -10.7210 m
-0.505148 -0.863033 -0.000437  15.0629 m
0.000158 -0.000598  1.000000  0.1080 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 7.2 mm

## Deviation histogram



## Scan '51'

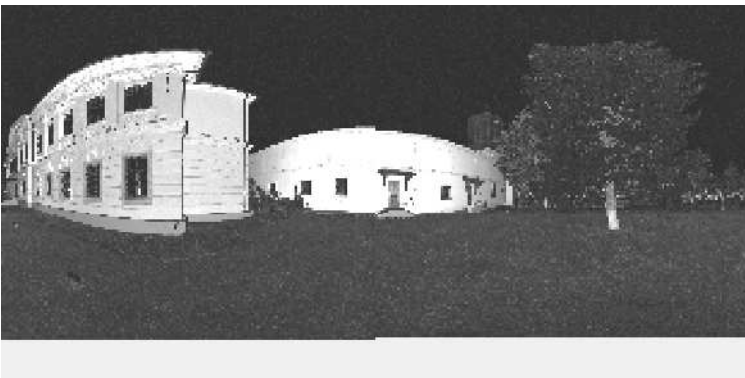
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
 Scan resolution 'High' quality 'Normal'

### Metadata Value

comment operator

```
Sensor:
sensors: 3100 *barometric transition rotation gps
Barometer: 1.002582 bar 83.1943 m
nav translation: -5.6323 m -3.3965 m 88.75° 6 m accuracies: 9.78° 6 m 9.78° 6 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat: 45.157585 long: 26.819241 satellites: 4 height: 131.4m hdop: 4.3 vdcpr: 6.5m hacc: 6.0m vacc: 24.0 tags: G3 *stand alone 3D solution
Initial pre position (0:indoor)
-0.870 0.492 0.000 -2.441
-0.492 -0.870 0.000 -10.165
0.000 0.000 1.000 11.711
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



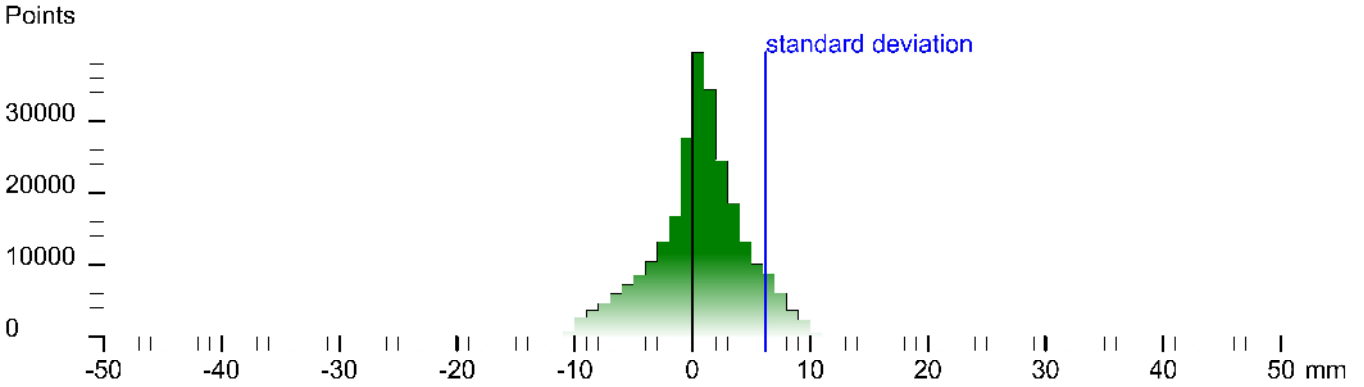
# Scan position '52'

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

```
-0.915939  0.401319  -0.000123  4.4104 m
-0.401319  -0.915939  0.000273  -6.4995 m
-0.000003  0.000299  1.000000  -0.1757 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:6.2 mm

## Deviation histogram



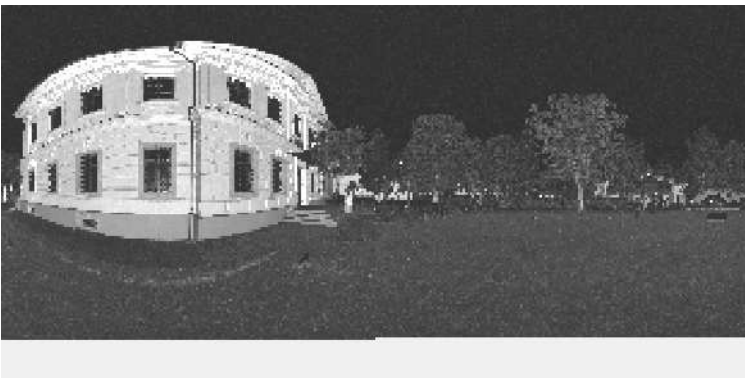
## Scan '52'

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

Metadata	Value
comment	
operator	

```
Sensor: realtek RK2808 32bit processor 1.4GHz 52MB RAM 2MB flash
Sensors: 3100 * barometer / transition rotation gps
Barometer: 1.002820 bar 88.871 m
nav translation: 16.9086 m -28.5565 m 88.7592 m accuracies: 21.8283 m 21.8283 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 16.0000
upside-down: no
GPS: lat:45.157222 long:26.819488 satellites:5 height:147.4m hdop:2.0 vdcop:2.0m hacc:7.9m vacc:5.7 tags:G3 stand alone 3D solution
Initial pre position (3-coo. tocor):
-0.907 0.471 0.000 -1.441
-0.421 -0.907 0.000 -3.168
0.000 0.000 1.000 11.711
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'

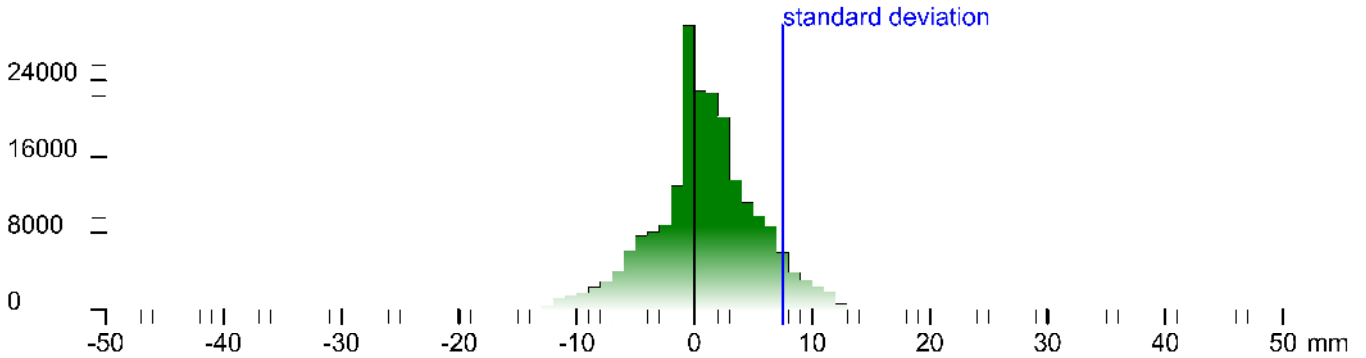
Registration matrix:

```
-0.975231 0.221191 -0.000116 11.9246 m  
-0.221191 -0.975231 0.000251 -15.9714 m  
-0.000058 0.000271 1.000000 -0.1517 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 7.5 mm

## Deviation histogram

Points



## Scan '53'

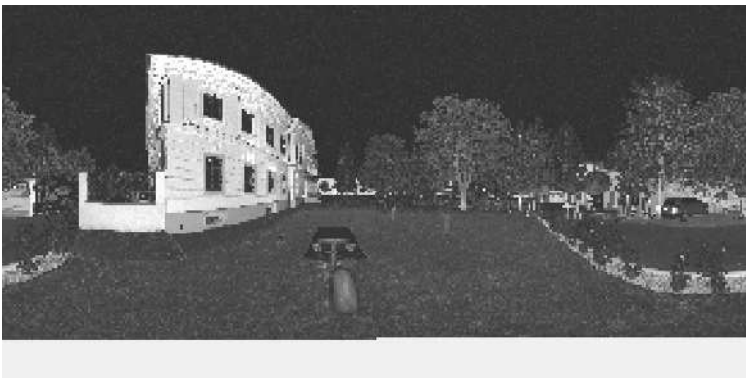
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Sensor: Intel RealSense D415  
Sensors: 3100 * barometric transition rotation gps  
Barometer: 1.002587 bar 83.1533 m  
nav translation: 5.3301 m -12.1376 m 88.8597 m accuracies: 11.8436 m 11.9186 m 0.0000 m  
nav rotation: 0.0000 0.0000 * 90.064 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
GPS lat: 45.157150 long: 26.819542 satellites: 3 height: 142.8m hddos: 1.0 vdog: 1.0m facc: 12.4m vacc: 10.0 flags: G2 'stand alone 2D solution'  
north: 5000423.877 m east: 489876.077 m zone: 35T  
Initial pre position (3-coor):  
-1.000 -0.009 0.000 3.859  
0.000 -1.000 0.000 -21.806  
0.000 0.000 1.000 11.911  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '55'

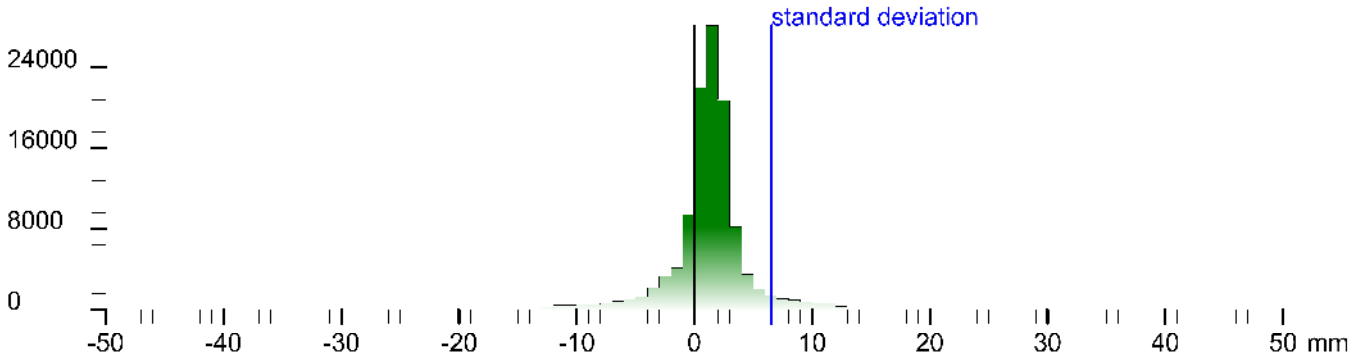
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
-0.803710 -0.595022 -0.000856 -4.6380 m
 0.595022 -0.803710  0.000315 -34.9479 m
-0.000875 -0.000256  1.000000  0.1833 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:6.5 mm

## Deviation histogram

Points



## 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: 3100 *barome or transition rotation gps
Barometer: 1.002829 bar 88.8009 m
nav translation: -17.4388 m -7.0337 m 88.6023 m accuracies: 14.7227 m 14.7227 m 0.0001 m
nav rotation: 0.0000 0.0000 220.3645 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat:45.157089 long:26.819248 satellites:7 height:128.0m hddow: 7 vtdcp:2.7m hacc:4.1-m vaccc:6.0 flags:G3 'stand alone 3D solution'
north:5000417.148 m east:488792.975 m zcorr:35T
Initial pre position (3-coo.tccor):
-0.767 -0.646 0.000 -18.77
0.840 -0.782 0.000 -28.127
0.000 0.000 1.000 11.584
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '56'

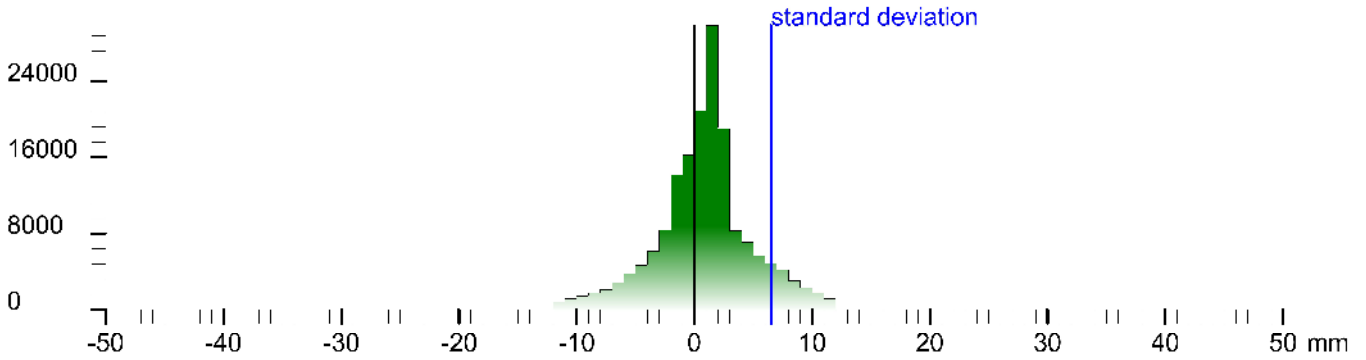
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

```
-0.275556 -0.961285 -0.000453 -11.8575 m  
0.961285 -0.275556 0.000592 -32.8140 m  
-0.000694 -0.000273 1.000000 0.2474 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:6.5 mm

## Deviation histogram

Points



## 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 comment: null  
Sensor  
sensors: 3100 *barome or transition rotation gps  
Barometer: 1.002571 bar 83.2834 m  
nav translation: -12.1269 m 1.0272 m 88.7383 m accuracies: 11.5387 m 11.5387 m 0.000 m  
nav rotation: 0.0000 0.0000 256.0321 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
GPS lat:45.157105 long:26.819178 satellites:7 height:130.9m hddos:1.1 vdcpl:1.7m hacc:4.4 m vaccl:6.2 flags:G3 'stand alone 3D solution'  
north:5000418.279 m east:488787.432 m zone:35T  
Initial pre position (3-coor):  
-0.241 -0.870 0.000 -24.268  
0.970 -0.2-1 0.000 -24.004  
0.000 0.000 1.000 11.770  
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.





# Scan position '58'

Scan position is member of group(s):

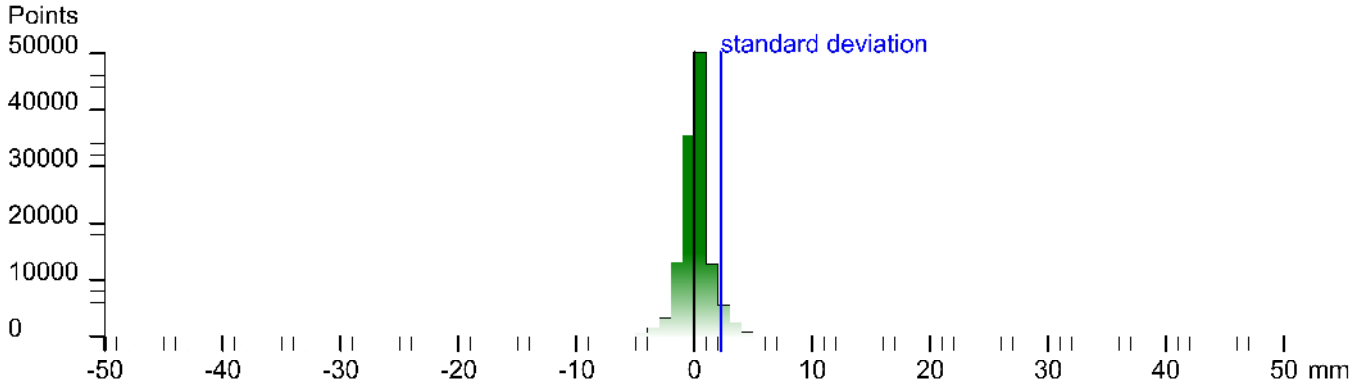
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

```
-0.699465 -0.714668 -0.000492 -7.1101 m  
0.714668 -0.699465 0.000286 1.0147 m  
-0.000549 -0.000152 1.000000 1.7597 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.2 mm

## Deviation histogram



## Scan '58'

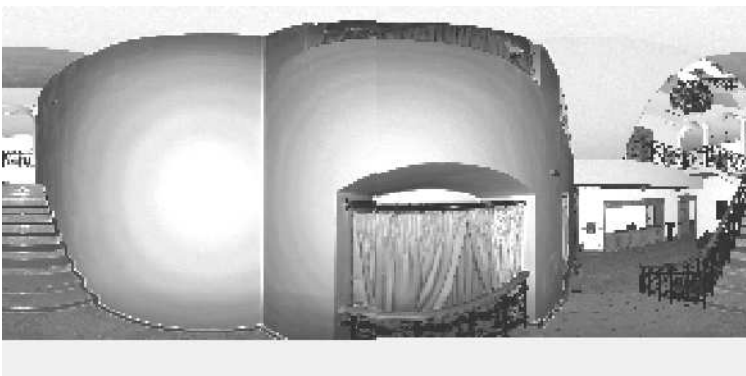
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value comment operator

```
Scan comment: null  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.005459 bar 65.0592 m  
nav translation: -3.32/3 m 5.91/2 m 6/.5182 m accuracies: 8.512/ m 8.5124 m 0.0000 m  
nav rotation: 0.0000 0.0000 219.8230 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position (Girdoor)  
-3.768 -0.640 0.000 -27.583  
0.640 -0.768 0.000 -18.089  
0.000 0.000 1.000 -7.500  
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'

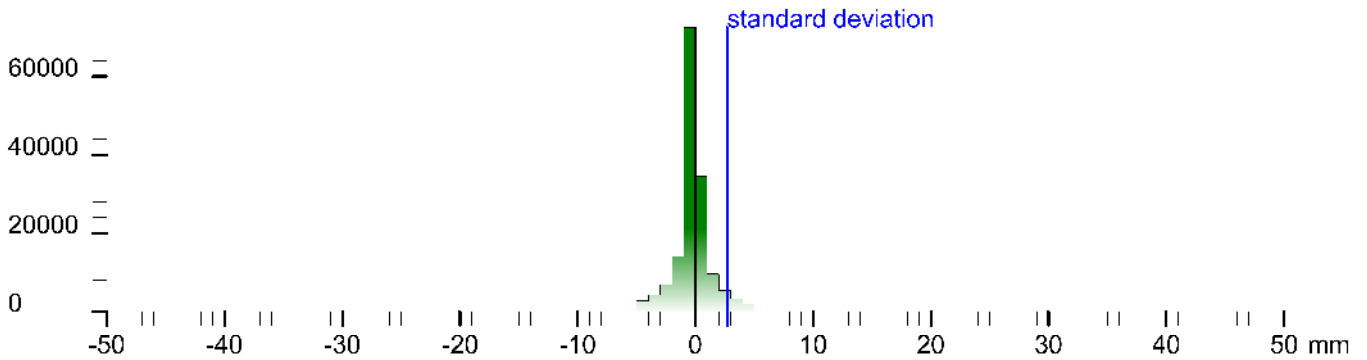
Registration matrix:

```
-0.955802 -0.294011 -0.000437 -11.0474 m
 0.294011 -0.955802  0.000160  -8.1795 m
-0.000465  0.000025  1.000000   0.7057 m
 0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 2.7 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	

```
Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 1.004160 bar 75.948 m
nav translation: 0.3338 m 1.3678 m 75.8967 m accuracies: 5.808 m 5.808 m 0.0000 m
nav rotation: 0.0000 0.0000 217.2244 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0 indoor)
-3.796 -0.005 0.000 -6.132
0.600 -0.796 0.000 -0.786
0.000 0.000 1.000 -0.154
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:

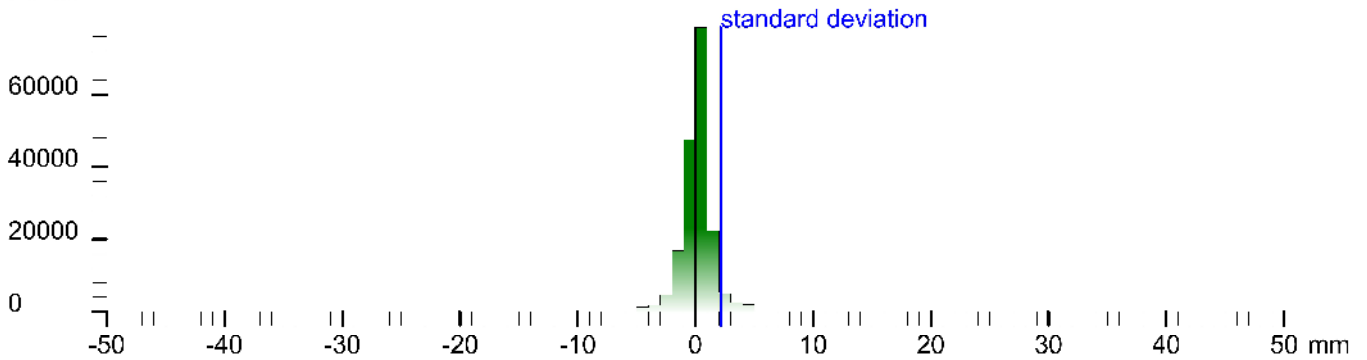
```

0.709995  0.704207  0.000063 -8.6133 m
-0.704207  0.709995 -0.000026 -5.7190 m
-0.000063 -0.000026  1.000000  4.7373 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation:2.1 mm

## Deviation histogram

Points



## Scan '60'

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

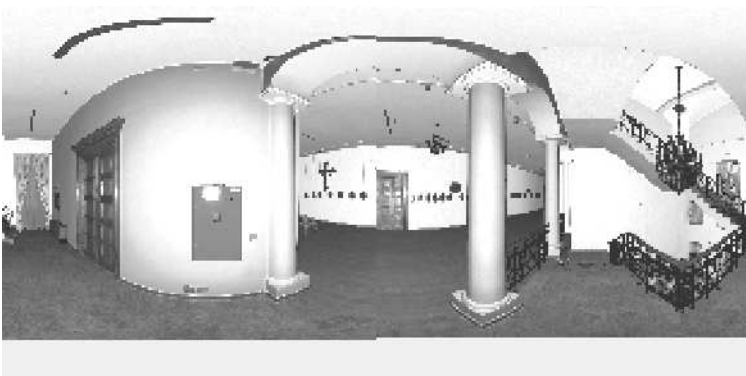
Scan resolution 'High' quality 'Normal'

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

```

Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 1.005195 bar 67.2704 m
nav translation: 2.5820 m -1.5295 m 67.0872 m accuracies: 7.7186 m 7.7186 m 0.0000 m
nav rotation: 0.0000 0.0000 45.7983 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
0.659 0.752 0.000 -30.875
-0.752 0.659 0.000 -26.706
0.000 0.000 1.000 -9.831
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '61'

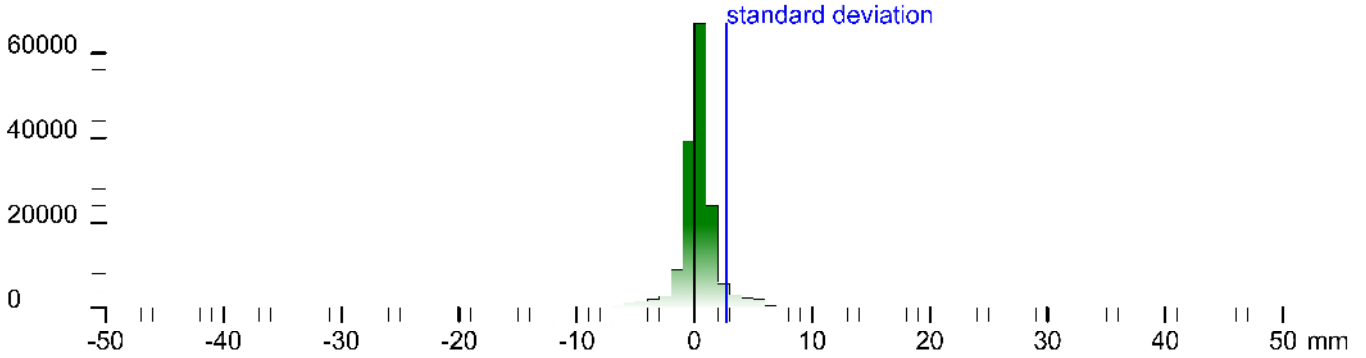
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```
0.999936  0.011397  -0.000167  -4.1069 m
-0.011397  0.999936  0.000165  -3.6794 m
0.000169  -0.000163  1.000000  4.7388 m
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 2.7 mm

## Deviation histogram

Points



## Scan '61'

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: 1.005204 bar 67.1975 m
nav translation: 1.9780 m 1.2111 m 50.7198 m accuracies: 6.2799 m 6.2799 m 0.0000 m
nav rotation: 0.0000 0.0000 0.0000 53.77250 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
0.925 -0.379 0.000 -28.897
0.379 0.925 0.000 -25.461
0.000 0.000 1.000 -0.268
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'

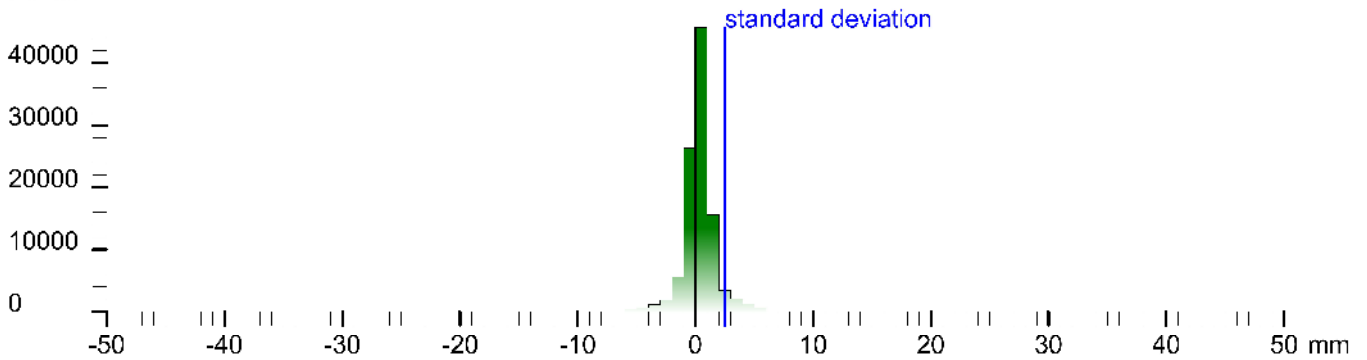
Registration matrix:

-0.092956	-0.995671	-0.000693	-7.1294 m
0.995671	-0.092956	0.000355	1.1677 m
-0.000417	-0.000657	1.000000	6.9552 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:2.5 mm

## Deviation histogram

Points



## Scan '62'

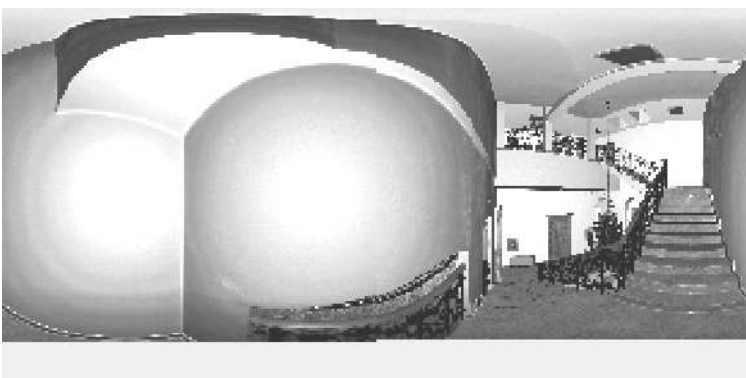
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barome or transition rotation\*  
Barometer: 1.004919 bar 63.586 m  
nav translation: -7.6784 m 0.1874 m 69.0765 m accuracies: 1 0.0179 m 10.0479 m 0.0000 m  
nav rotation: 0.0000 0.0000 266.8458 accuracies: 0.0000 0.0000 16.0000  
upside-down: no  
Initial pre position (Girdoor)  
-3.058 -0.988 0.000 -36.576  
0.998 -0.009 0.000 -19.276  
0.000 0.000 1.000 -7.842  
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'

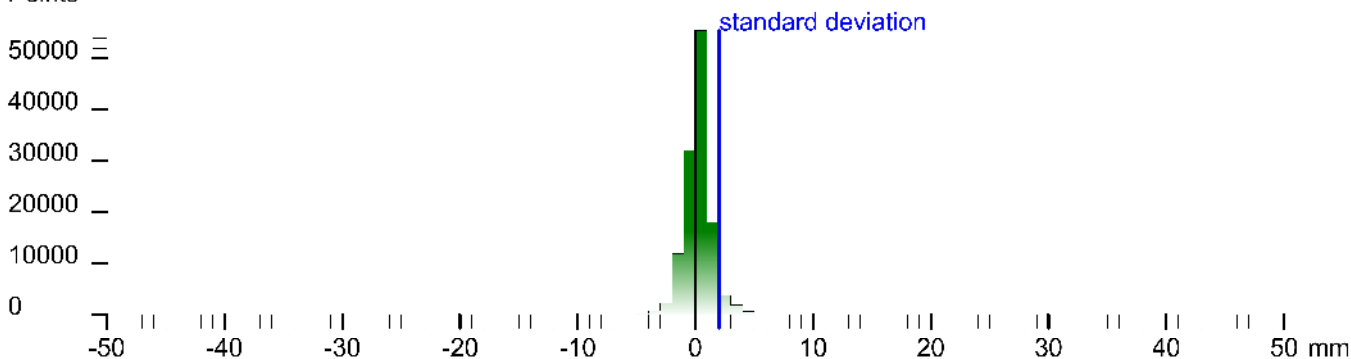
Registration matrix:

```
-0.998231 -0.059476 0.000116 -11.4144 m
0.059476 -0.998230 0.000635 -1.7911 m
0.000078 0.000641 1.000000 9.0290 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:2.0 mm

## Deviation histogram

Points



## Scan '63'

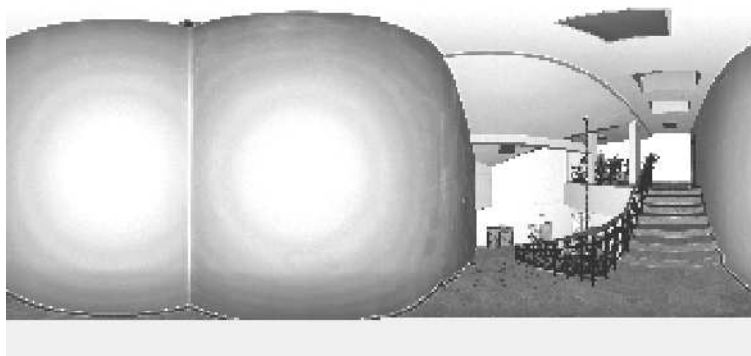
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan comment: null
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.004719 bar 71.2596 m
nav translation: -11.0052 m -3.3345 m 71.0251 m accuracies: 11.1766 m 11.1766 m 0.0000 m
nav rotation: 0.0000 0.0000 206.6628 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pos position (0/indoor)
-3.89° -0.149 0.000 -16.190
0.449 -0.894 0.000 -22.61°
0.000 0.000 1.000 -5.894
0.000 0.000 0.000 1.000
```

Level system info: dynamic compensator available.



# Scan position '64'

Scan position is member of group(s):

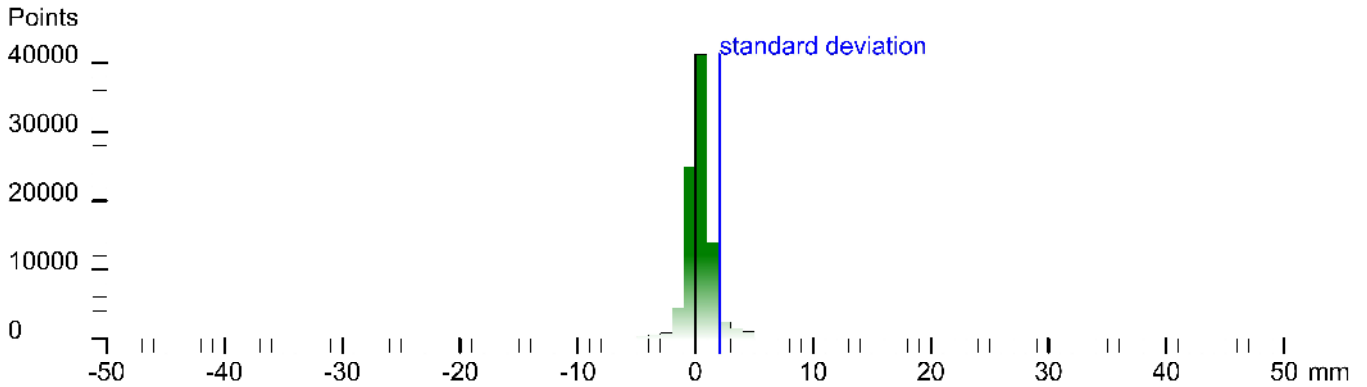
Status registration '[102h] registered with cloud to cloud'

Registration matrix:

0.996470	-0.083957	-0.000604	-7.8480 m
0.083957	0.996470	0.000527	-6.4316 m
0.000558	-0.000576	1.000000	10.3466 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation:2.0 mm

## Deviation histogram



## Scan '64'

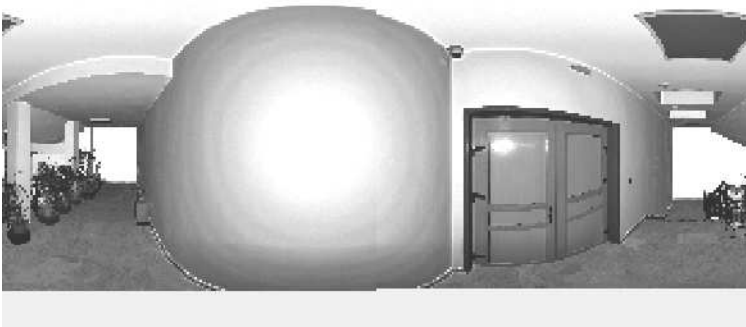
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barome or transition rotation\*  
Barometer: 1.004823 bar 72.07 in  
nav translation: 1.5996 m -5.6177 m 71.8774 m accuracies: 8.223 m 8.223 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0 indoor)  
0.999 -0.072 0.000 -16.184  
0.042 0.998 0.000 -28.286  
0.000 0.000 1.000 -5.177  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '65'

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

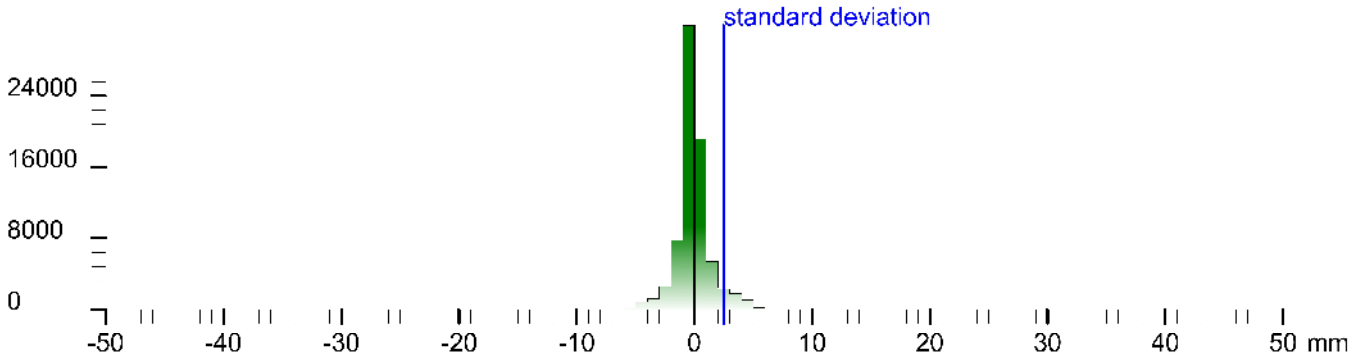
```

0.248685 -0.968585 -0.000591 -4.4210 m
0.968585 0.248686 -0.000681 -3.6418 m
0.000806 -0.000403 1.000000 10.4825 m
0.000000 0.000000 0.000000 1.0000
  
```

Result registration cloud to cloud standard deviation:2.5 mm

## Deviation histogram

Points



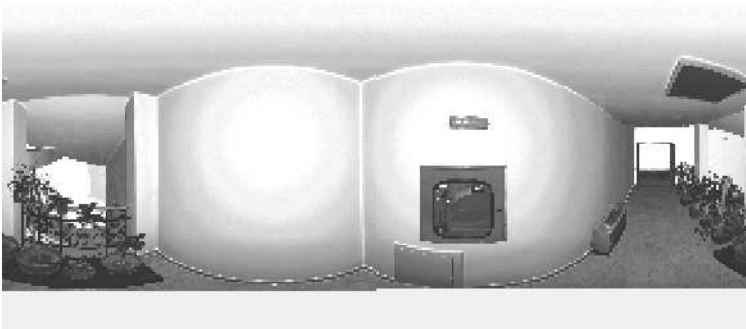
## Scan '65'

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: '65' - name: '14:05:00' - name: '14:05:00' - name: '14:05:00' - name: '14:05:00' - name: '14:05:00' - name: '14:05:00' - name: '14:05:00' - name: '14:05:00' - name: '14:05:00'  
 Sensor  
 sensors: 3096 \*barometric transition rotation\*  
 Barometer: 1.004810 bar 72.1779 m  
 nav translation: 2.5218 m 3.6376 m 71.7627 m accuracies: 7.3507 m 7.3507 m 0.0000 m  
 nav rotation: 0.0000 0.0000 293.6149 accuracies: 0.0000 0.0000 1s.0000  
 up/down: no  
 Initial pos position: (0 indoor)  
 0.431 -0.916 0.000 -43.659  
 0.916 0.401 0.000 -24.618  
 0.000 0.000 1.000 -5.256  
 0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '66'

Scan position is member of group(s):

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

Registration matrix:

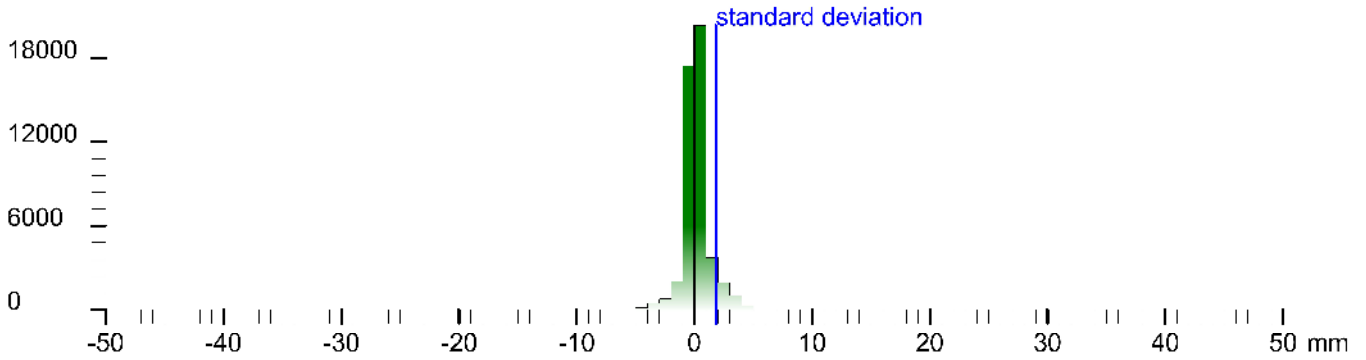
```

0.996567  0.082798  -0.000287  -9.0680 m
-0.082798  0.996567  -0.000238  -6.6650 m
0.000267  0.000261  1.000000  10.2969 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## Scan '66'

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: 1.004672 bar 71.6613 m
nav translation: 1.0008 m 2.2223 m 71.2809 m accuracies: 6.3428 m 6.3428 m 0.0000 m
nav rotation: 0.0000 0.0000 21.5387 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
0.931 0.964 0.000 -12.658
-0.364 0.931 0.000 -22.396
0.000 0.000 1.000 -5.738
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.



# Scan position '67'

Scan position is member of group(s):

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

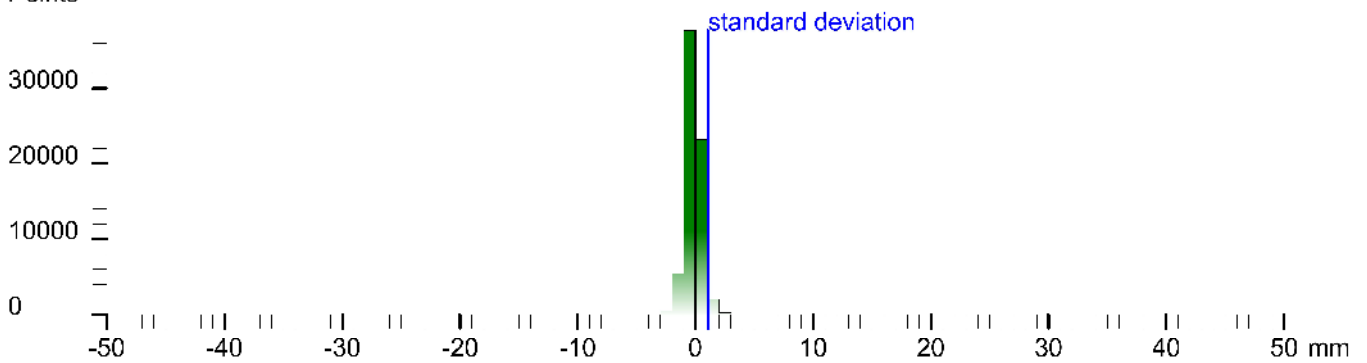
Registration matrix:

0.024341	0.999704	-0.000567	-11.4789 m
-0.999704	0.024340	-0.000443	-8.3485 m
-0.000429	0.000578	1.000000	10.2994 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.1 mm

## Deviation histogram

Points



## Scan '67'

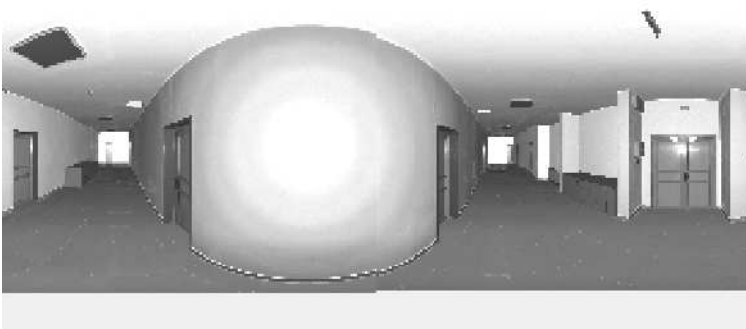
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barome or transition rotation\*  
Barometer: 1.004671 bar 71.6673 m  
nav translation: -3.0966 m -2.0132 m 71.3069 m accuracies: 6.1370 m 5.1370 m 0.0000 m  
nav rotation: 0.0000 0.0000 97.8837 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (0/door)  
-3.137 0.981 0.000 -42.755  
-0.991 -0.137 0.000 -24.409  
0.000 0.000 1.000 -5.712  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





# Scan position '68'

Scan position is member of group(s):

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

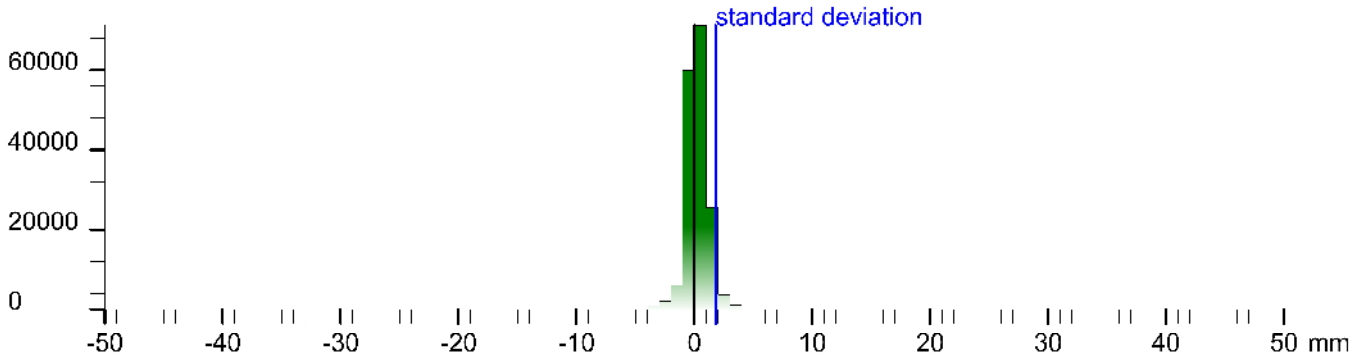
Registration matrix:

```
-0.435515  0.900182  -0.000615  -9.8092 m  
-0.900182  -0.435515  -0.000903  -11.5145 m  
-0.001080  0.000161  0.999999  10.2993 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## Scan '68'

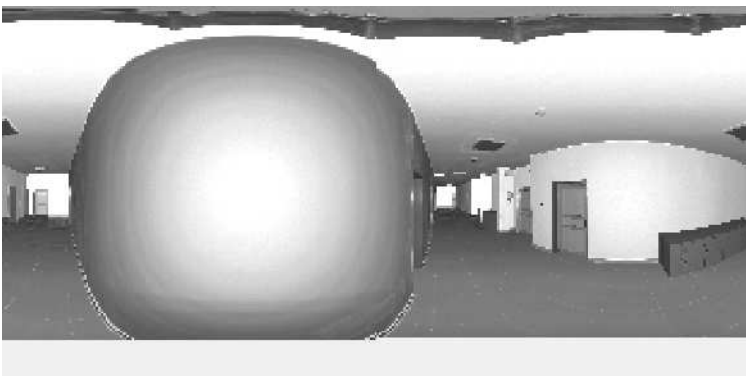
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: '68' - name: '68' - type: 'Point Cloud' - status: 'Registered' - registration: 'Cloud to Cloud' - standard deviation: 1.8 mm - quality: 'High' - resolution: 'Normal' - sensor: 'Z+F IMAGER 5016' - serial number: '5016-0100' - firmware: '9.0.3.6562-0' - scan resolution: 'High' - quality: 'Normal' - comment: '' - operator: ''  
Sensor  
sensors: 3096 *barometric transition rotation*  
Barometer: 1.004666 bar 71.6873 m  
nav translation: -1.7008 m 0.5377 m 71.0351 m accuracies: 6.0567 m 6.0564 m 0.0000 m  
nav rotation: 0.0000 0.0000 *1/3352 accuracies: 0.0000 0.0000 16.0000  
up/down: no  
Initial position: (0 indoor)  
-3.468 0.883 0.000 -41.516  
-0.883 -0.466 0.000 -23.777  
0.000 0.000 1.000 -5.884  
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'

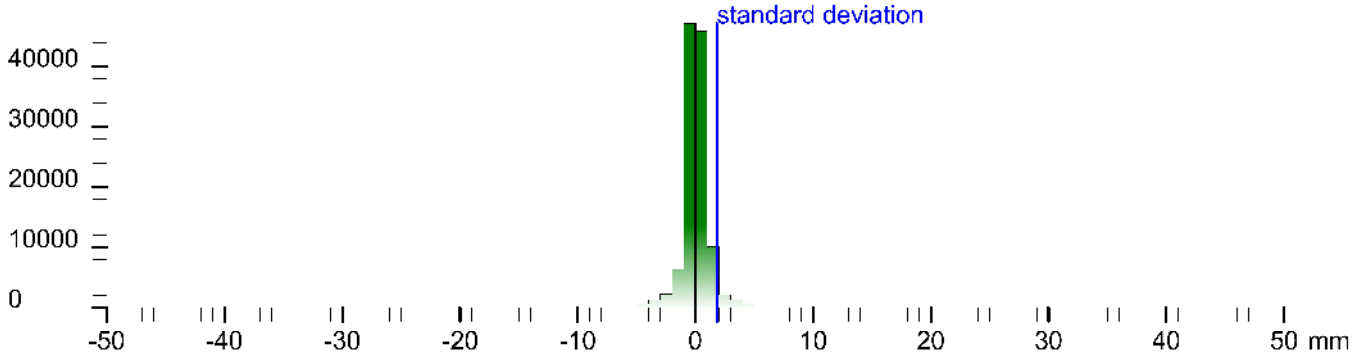
Registration matrix:

-0.167641	0.985849	-0.000324	-5.2393 m
-0.985848	-0.167641	-0.001003	-16.3721 m
-0.001044	0.000151	1.000000	10.2935 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## 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 comment: null  
Sensor

sensors: 3096 \*barome or transition rotation\*

Barometer: 1.004726 bar 71.2016 m

nav translation: -2.7532 m 0.9284 m 71.0065 m accuracies: 6.5811 m 6.5811 m 0.0000 m

nav rotation: 0.0000 0.0000 97.0966 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position: (0 indoor)

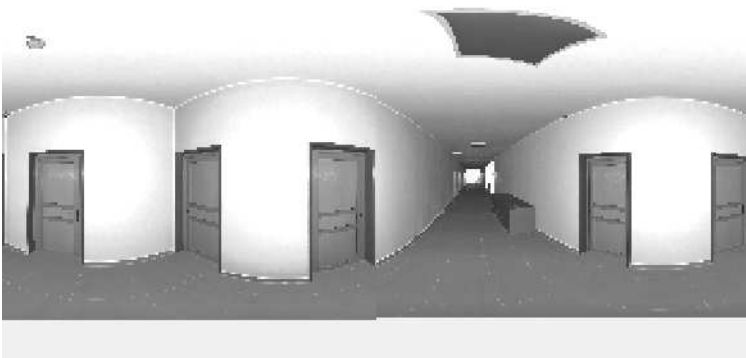
-3.127 0.992 0.000 -47.269

-0.992 -0.124 0.000 -22.842

0.000 0.000 1.000 -6.012

0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '7'

Scan position is member of group(s):

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

Registration matrix:

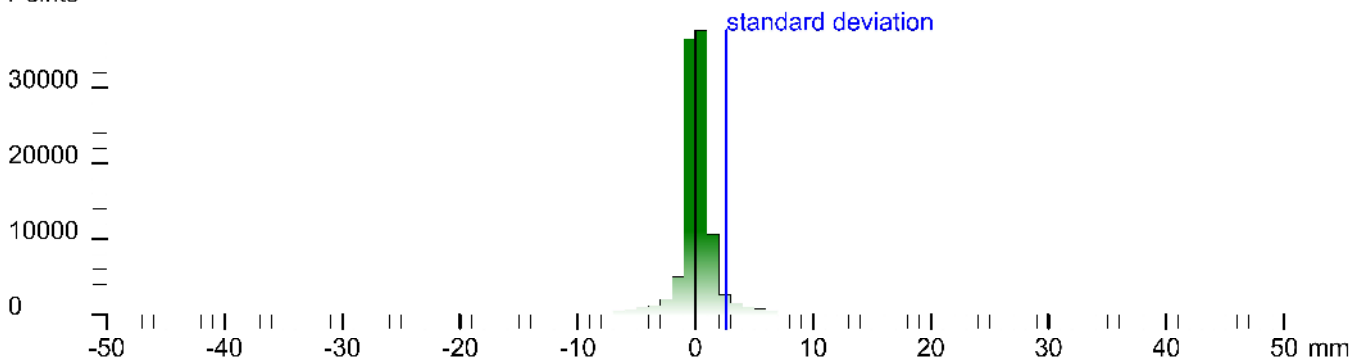
```

0.427454 -0.904038 -0.000571 -19.2088 m
0.904038 0.427453 0.000721 2.9762 m
-0.000408 -0.000825 1.000000 0.6196 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 2.6 mm

## Deviation histogram

Points



## Scan '7'

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

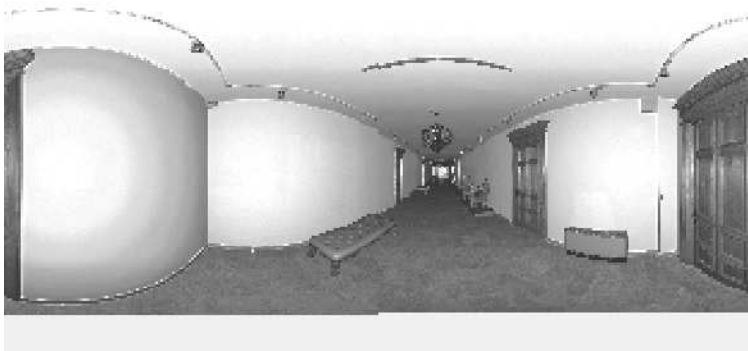
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.004155 bar 75.991 m
nav translation: 2.4890 m 1.9528 m 75.6747 m accuracies: 6.7397 m 6.7397 m 0.0001 m
nav rotation: 0.0000 0.0000 338.9149 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0/door)
0.628 -0.778 0.000 -3.643
0.778 0.628 0.000 1.177
0.000 0.000 1.000 -0.336
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.









# Scan position '73'

Scan position is member of group(s):

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

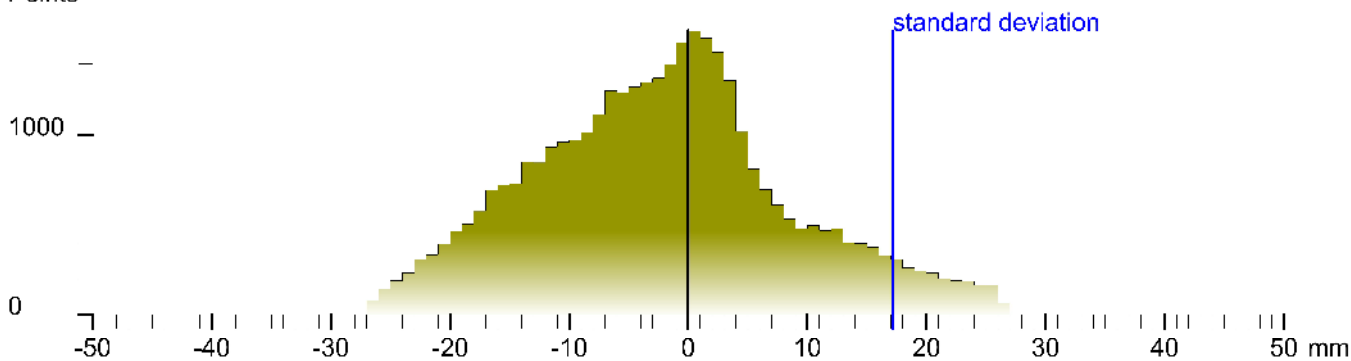
Registration matrix:

```
-0.838308 -0.545057 -0.012389 -13.2748 m
 0.545124 -0.838352 -0.002549  5.2440 m
-0.008997 -0.008890  0.999920 14.0485 m
 0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation: 17.2 mm

## Deviation histogram

Points



## Scan '73'

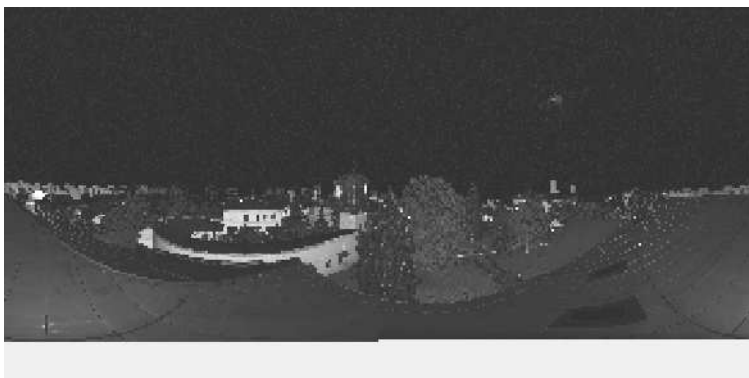
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

### Metadata Value

```
comment:
operator:
Sensor:
sensors: 3100 *barome or transition rotation gps
Barometer: 1.004308 bar 74.7055 m
nav translation: -5.0111 m 4.372 m 7.0518 m accuracies: 9.6687 m 9.6687 m 0.0000 m
nav rotation: 0.0000 0.0000 221.6036 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
GPS lat: 45.1574 +0 long: 26.819286 satellites: 8 height: 143.2m hhdop: 1.0 vhdop: 1.6m hacc: 0.6m vacc: 6.5 flags: G3 'stand alone 3D solution'
north: 5000456.133 m east: 488793.961 m zone: 35T
Initial pre position (3-coo. tocoo):
-0.748 -0.664 0.000 -17.74
0.884 -0.7-8 0.000 -2.864
0.000 0.000 1.000 -5.064
0.000 0.000 0.000 1.000
```

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









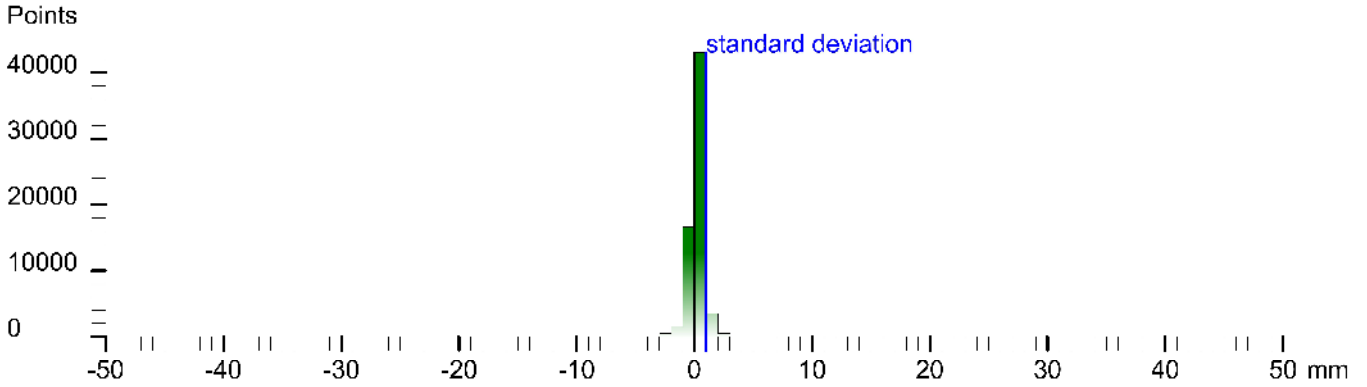
# Scan position '76'

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

```
-0.999925  0.012217  -0.001268  -19.5731 m
-0.012217  -0.999926  -0.000232   1.6115 m
-0.001271  -0.000217  0.999999   10.2930 m
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation: 1.0 mm

## Deviation histogram



## Scan '76'

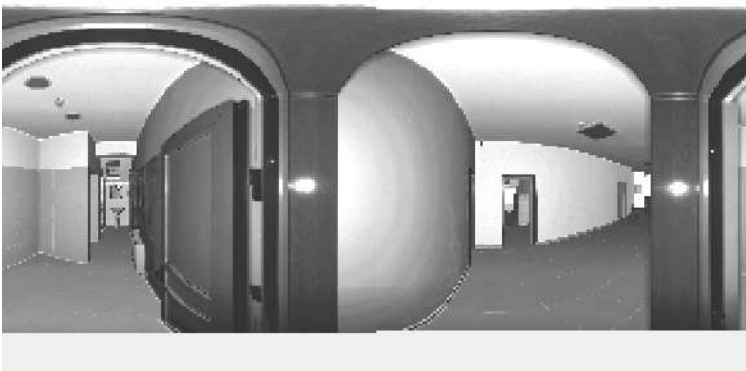
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Scan resolution 'High' quality 'Normal'

### Metadata Value

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

```
Scan position: '148:75' scanid: '148:75' scanno: '76' path: 'M:\scans\Bore hole\Bore hole - Epitax\Bore hole - M...\M:\scans\Bore hole\Bore hole - Epitax\Bore hole - M...'  
Sensor  
sensors: 3096 '*barome or transition rotation'  
Barometer: 1.004763 bar 70.8969 m  
nav translation: 0.6878 m 0.8617 m 70.5033 m accuracies: 5.6677 m 5.6677 m 0.0003 m  
nav rotation: 0.0000 0.0000 211.2077 accuracies: 0.0000 0.0000 1s:0.000  
upside-down: no  
Initial pos position: (0:indoor)  
-3.855 -0.518 0.003 -10.407  
0.618 -0.818 0.000 -6.661  
0.000 0.000 1.000 -6.455  
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 '[10123h]' preregistered with cloud to cloud, manually'

Registration matrix:

-0.860925	-0.508719	0.003825	-21.8402 m
0.508695	-0.860928	-0.005818	0.2041 m
0.006253	-0.003063	0.999976	10.2913 m
0.000000	0.000000	0.000000	1.0000

## 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 translation: rotation"

Barometer: 1,004814 bar 72,148 m

nav translation: 0,0626 m 3,7397 m 71,6375 m accuracies: 6,974' m 6,974' m 0,000' m

nav rotation: 0,00000 0,00000 211,3' 86 accuracies: 0,00000 0,00000 15,0000

upside-down: no

Initial pre position (0:indoor)

-3,857 -0,515 0,000 -10 3/4

0,515 -41 8s/ 0,000 20,3 0/0

0,000 0,000 1,000 -5,381

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

Level system info: dynamic compensator available.



# Scan position '78'

Scan position is member of group(s):

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

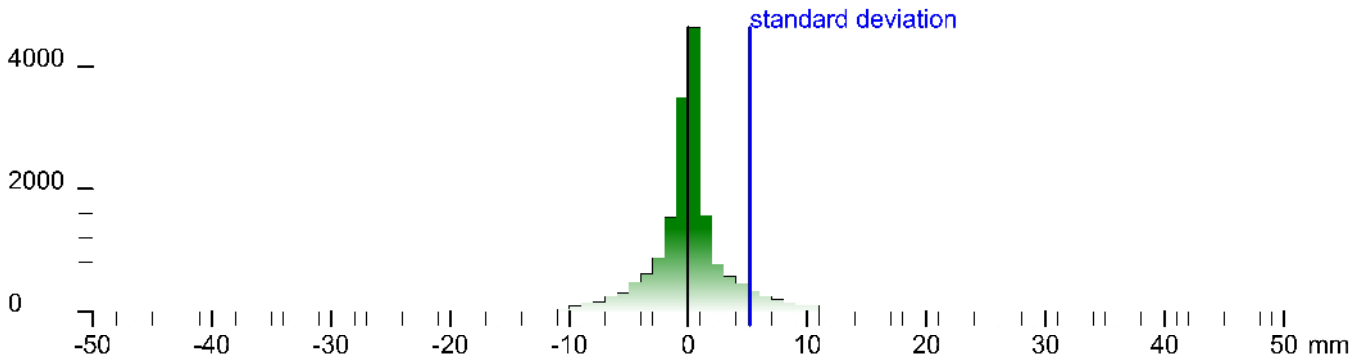
Registration matrix:

```
-0.998689  0.051019  0.004483 -21.0521 m  
-0.051048 -0.998675 -0.006624 -0.7972 m  
0.004139 -0.006844  0.999968  9.0520 m  
0.000000  0.000000  0.000000  1.0000
```

Result registration cloud to cloud standard deviation:5.2 mm

## Deviation histogram

Points



## Scan '78'

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

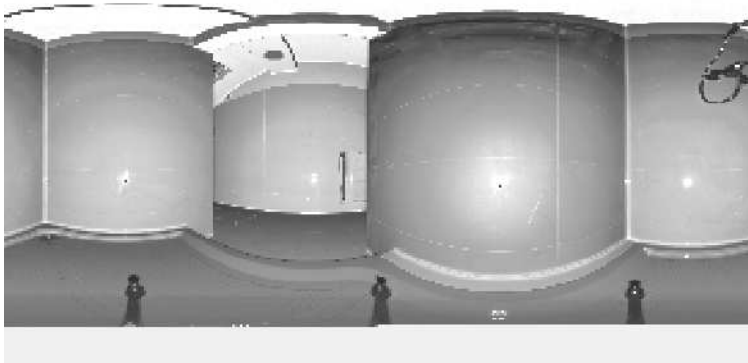
Scan resolution 'High' quality 'Normal'

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

Scan comment: '1.1988462 3.031 1.48:78' scan: '78' type: 'Local Backdoor Epipolar Based' series: 'Local Backdoor Epipolar Based' points/Timestamp: '1.1988462 3.031 1.48:78' scan: '78' quality: 'High' resolution: 'Normal' sensor: 'Z+F IMAGER 5016' serial: '5016-0100' firmware: '9.0.3.6562-0'

Sensors: 3096 \*barometric transition rotation\*  
Barometer: 1.004642 bar 71.9057 m  
nav translation: 0.5230 m 2.8729 m 71.4297 m accuracies: 6.5881 m 6.5881 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.0000 \*64.6661 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
-3.967 0.265 0.000 -9.621  
-0.265 -0.964 0.000 28.242  
0.000 0.000 1.000 -5.590  
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:

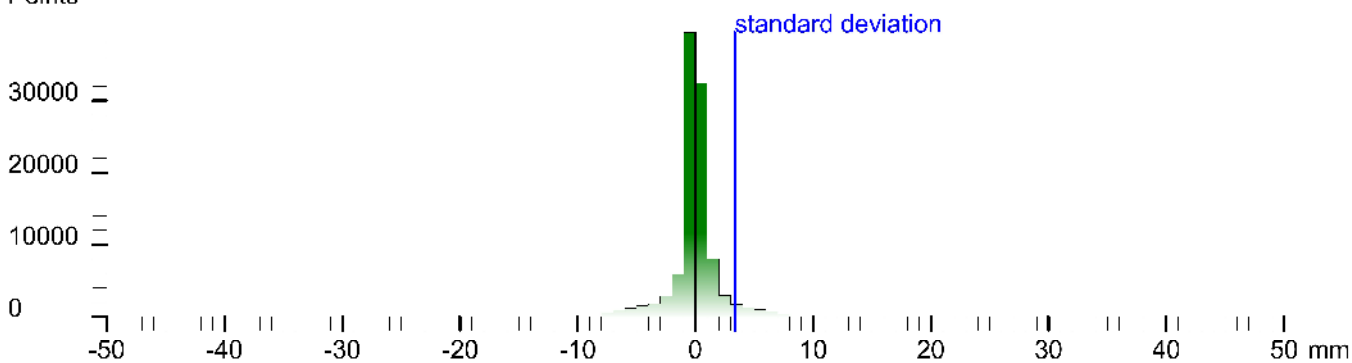
```

0.038323  0.999266  0.000654  -2.9234 m
-0.999266  0.038324  -0.000705  -21.1078 m
-0.000729  -0.000626  0.999999  0.6240 m
0.000000  0.000000  0.000000  1.0000
    
```

Result registration cloud to cloud standard deviation:3.3 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**

```

Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 1.004127 bar 78.227 m
nav translation: -3.6258 m -0.8020 m 75.0396 m accuracies: 0.9952 m 0.9852 m 0.0000 m
nav rotation: 0.0000 0.0000 95.9197 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position: (Girdoor)
-3.061 0.988 0.000 -13.269
-0.998 -0.067 0.000 0.319
0.000 0.000 1.000 -0.371
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'

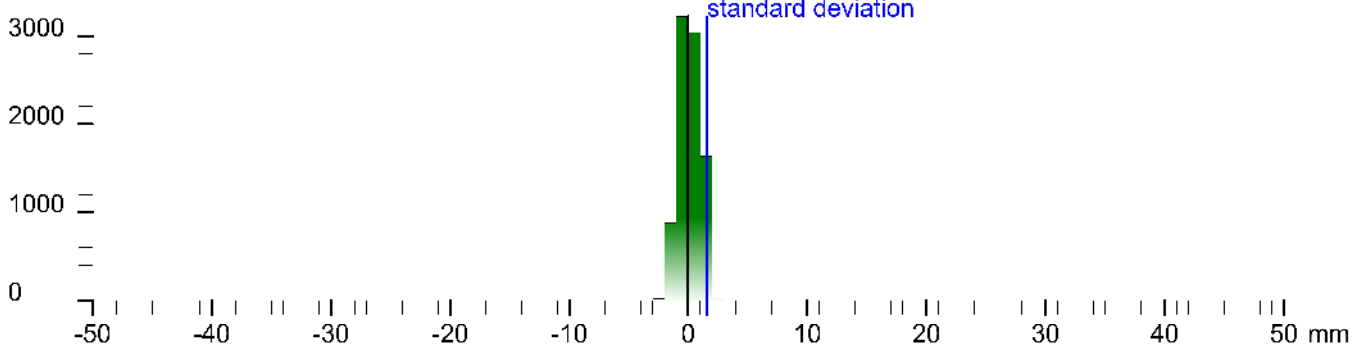
Registration matrix:

-0.415525	-0.909565	0.005731	-22.1117 m
0.909540	-0.415559	-0.007058	-1.6795 m
0.008802	0.002280	0.999959	8.9429 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.6 mm

## Deviation histogram

Points



## Scan '81'

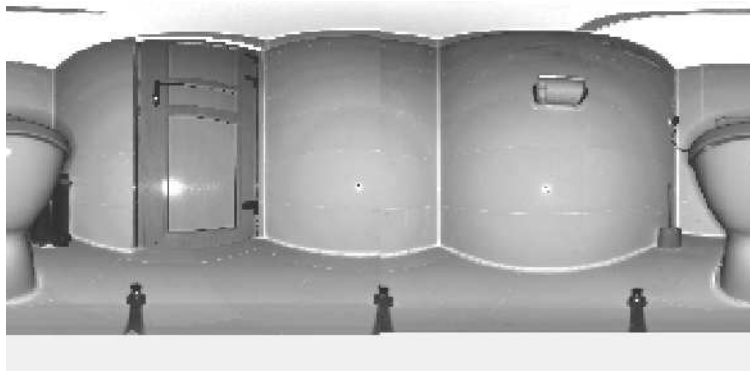
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barome or transition rotation\*  
Barometer: 1.004864 bar 71.7223 m  
nav translation: 0.0000 m 0.0000 m 71.3507 m accuracies: 5.1000 m 5.1000 m 0.0007 m  
nav rotation: 0.0000 0.0000 266.2168 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0 indoor)  
-3.061 -0.988 0.000 -8.713  
0.998 -0.061 0.000 26.280  
0.000 0.000 1.000 -5.668  
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'

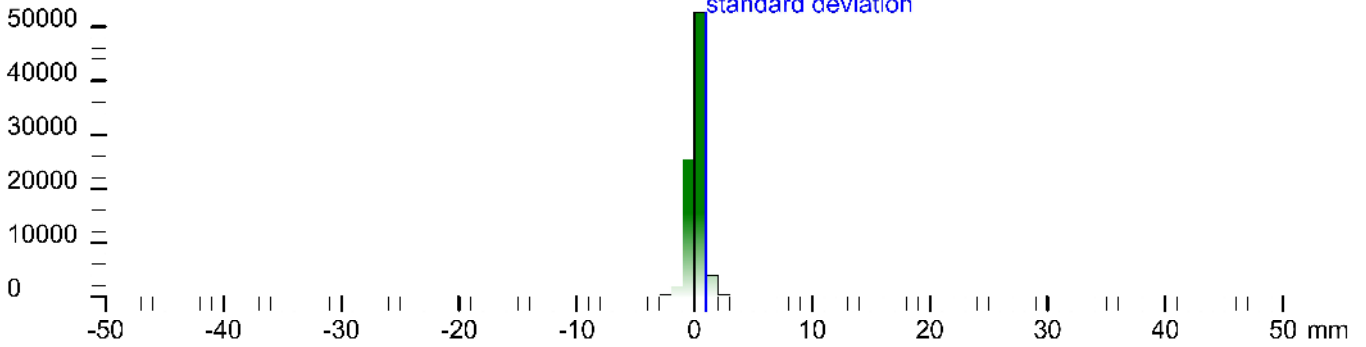
Registration matrix:

```
-0.298582 -0.954384 -0.001095 -17.8935 m  
0.954385 -0.298582 0.000371 3.5814 m  
-0.000681 -0.000934 0.999999 10.2947 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:1.0 mm

## Deviation histogram

Points



## 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: '190816103' filename: '141122' scanid: '82' path: 'M:\scans\1608\190816103' sensor: 'M:\scans\1608\190816103' sensor type: 'Z+F IMAGER 5016' sensor serial: '5016-0100' sensor firmware: '9.0.3.6562-0' scan resolution: 'High' quality: 'Normal' scan date: '2014-11-22 14:11:22' scan time: '14:11:22' scan duration: '00:01:54' scan status: 'Completed' sensors: '3096 *barome or transition rotation*' barometer: '1.004422 bar 73.755 m' nav translation: '-1.3808 m -1.1183 m 73.1901 m accuracies: 0.0275 m 0.0275 m 0.0000 m' nav rotation: '0.0000 0.0000 280.6365 accuracies: 0.0000 0.0000 1s.0000' upside-down: 'no' initial pre position: '(Girdoor)' 0.185 0.983 0.000 -10.394 0.983 0.185 0.000 2s.161 0.000 0.000 1.000 -3.828 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'

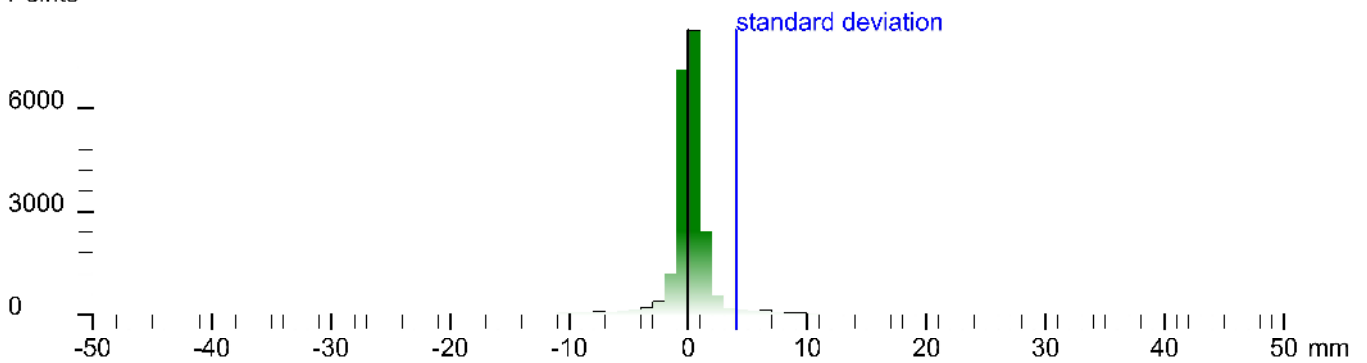
Registration matrix:

```
-0.985719 -0.168399 -0.001169 -20.2692 m  
0.168400 -0.985720 -0.000259 4.0609 m  
-0.001109 -0.000452 0.999999 10.2956 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.0 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'

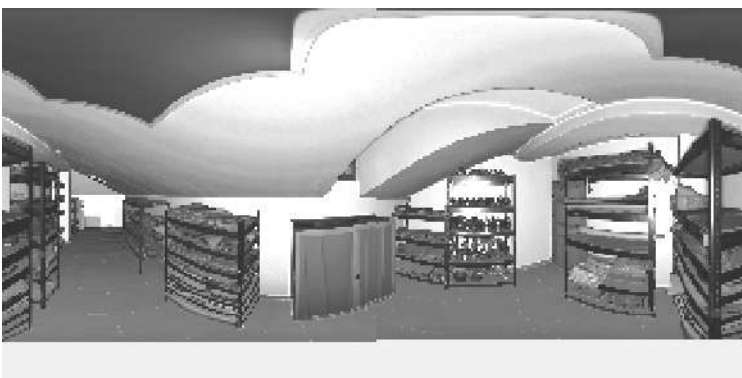
### Metadata Value

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

Scan comment: '19082013' filename: '140123' scanid: '83' path: 'M:\scans\Bosch\Bosch\_Epulis\_Bosch\scans\Misc\Bosch\Bosch\_Epulis\_Bosch\scans\19082013' camera: 'Z+F IMAGER 5016' sensor: 'Z+F IMAGER 5016' resolution: 'High' quality: 'Normal' standard deviation: '4.0' cloud to cloud: '102h'

Sensors: 3096 \*barometric transition rotation\*  
Barometer: 1.004443 bar 73.579 m  
nav translation: 2.2822 m 0.9552 m 73.3888 m accuracies: 6.3490 m 6.3490 m 0.0003 m  
nav rotation: 0.0000 0.0000 -914779 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pos position: (0/door)  
-3.980 -0.189 0.000 -7.81'  
0.99 -0.980 0.000 26.11'  
0.000 0.000 1.000 -3.630  
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'

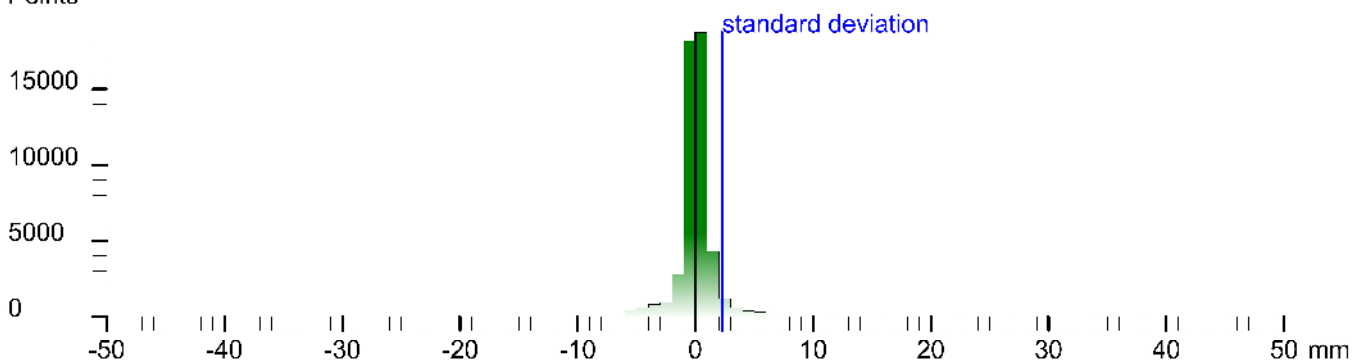
Registration matrix:

-0.878305	0.478102	-0.001103	-21.9603 m
-0.478102	-0.878305	-0.000445	2.0248 m
-0.001182	0.000136	0.999999	10.2969 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 2.3 mm

## Deviation histogram

Points



## 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 comment: null  
Sensor  
sensors: 3096 \*barome or transition rotation\*  
Barometer: 1.004365 bar 74.2337 m  
nav translation: -3.2213 m 1.0084 m 73.8303 m accuracies: 5.6236 m 5.6236 m 0.0004 m  
nav rotation: 0.0000 0.0000 \*51.9077 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pos position: (0/door)  
-3.882 0.471 0.000 -8.052  
-0.471 -0.882 0.000 28.038  
0.000 0.000 1.000 -3.189  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



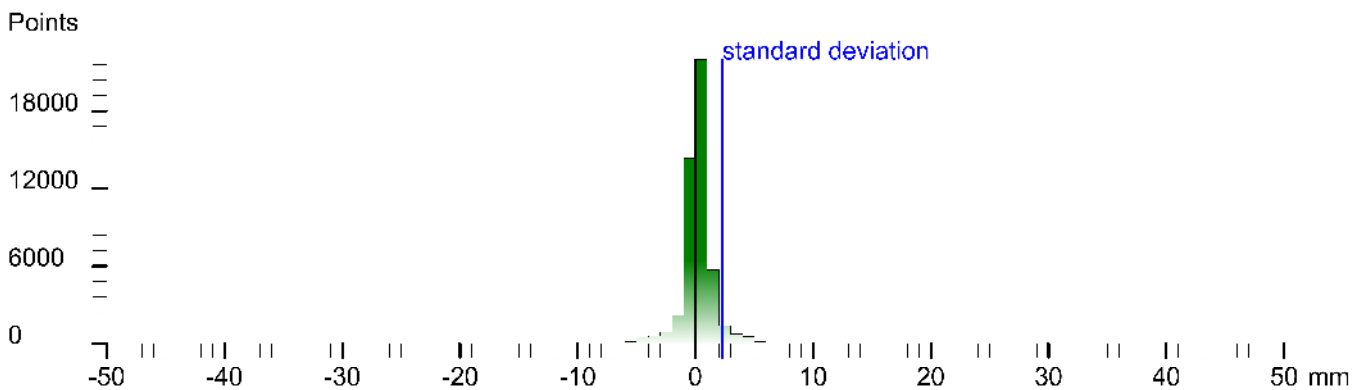
# Scan position '86'

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

-0.370121	0.928984	-0.000969	-24.4314 m
-0.928984	-0.370122	-0.000761	0.7565 m
-0.001065	0.000619	0.999999	10.2927 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 2.3 mm

## Deviation histogram



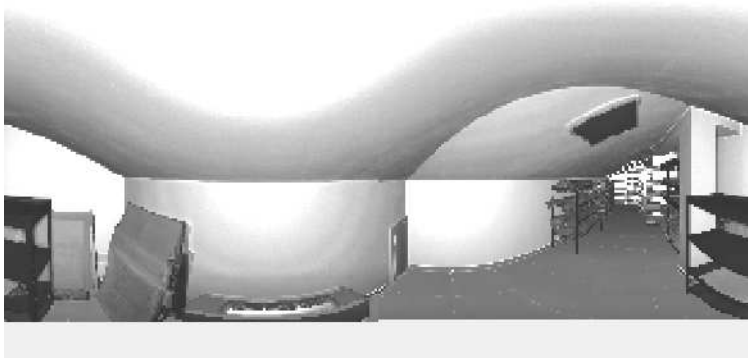
## Scan '86'

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: 3096 \* barometric transition rotation'  
Barometer: 1.004261 bar 75.1054 m  
nav translation: -1.1136 m 1.4972 m 77.8805 m accuracies: 5.311 m 0.1311 m 0.0000 m  
nav rotation: 0.0000 0.0000 0.2220 / accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
-3.263 0.965 0.000 -9.466  
-0.965 -0.265 0.000 29.536  
0.000 0.000 1.000 -2.138  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.





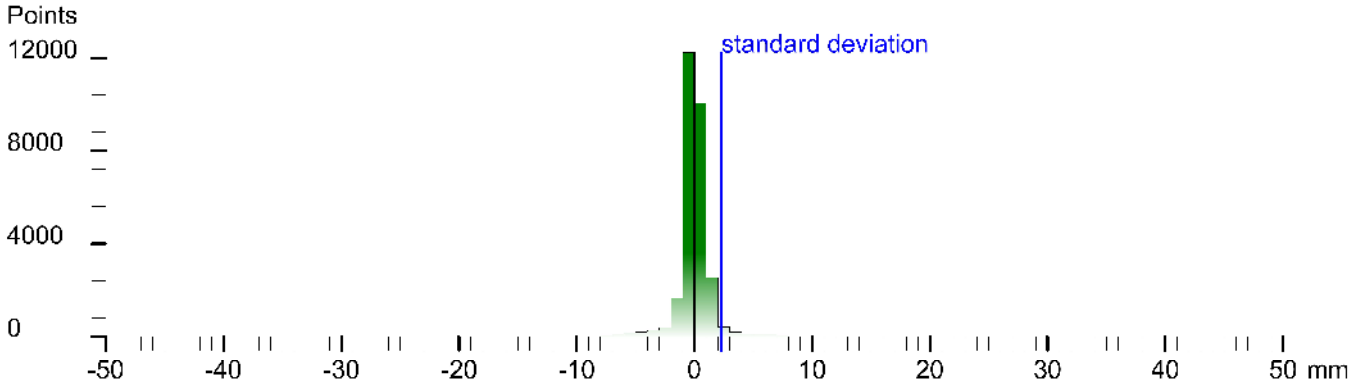
# Scan position '88'

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

```
-0.388727 -0.921354 -0.000812 -14.1714 m
0.921353 -0.388728 0.000947 4.5460 m
-0.001188 -0.000380 0.999999 10.2875 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 2.3 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
Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.004265 bar 75.0724 m
nav translation: 1.2887 m 0.2925 m 74.8398 m accuracies: 5.7750 m 5.7750 m 0.0007 m
nav rotation: 0.0000 0.0000 2/3.2246 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (0/door)
0.056 -0.998 0.000 -10.754
0.998 0.000 0.000 26.638
0.000 0.000 1.000 -2.179
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 '[102h] registered with cloud to cloud'

Registration matrix:

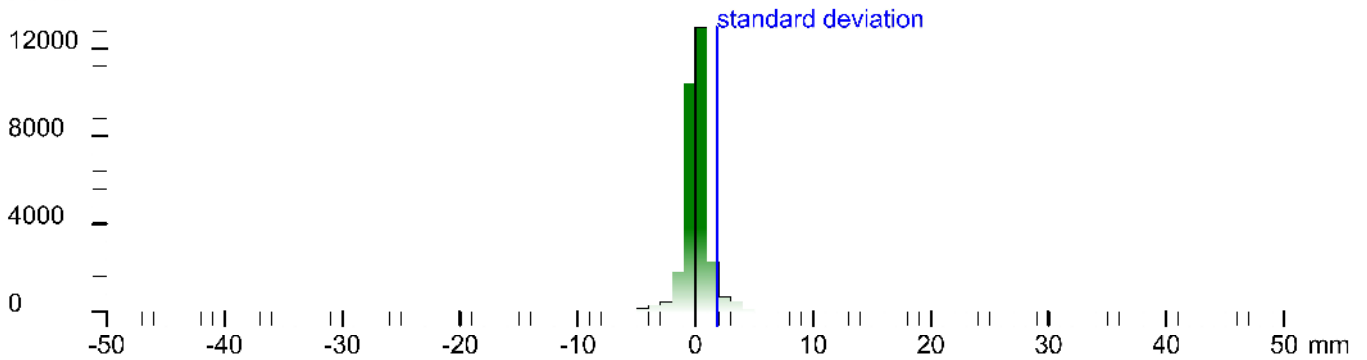
```

0.799047 -0.601269 -0.000848 -12.8528 m
0.601270 0.799046 0.001292 5.1909 m
-0.000099 -0.001542 0.999999 10.2917 m
0.000000 0.000000 0.000000 1.0000
    
```

Result registration cloud to cloud standard deviation: 1.8 mm

## Deviation histogram

Points



## Scan '89'

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

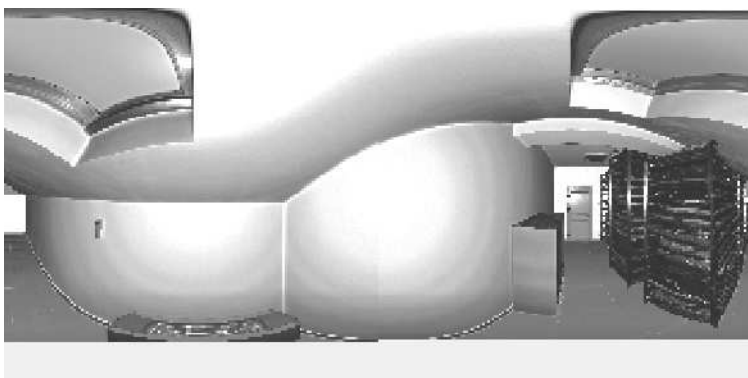
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```

Sensor
sensors: 3096 *barome or transition rotation*
Barometer: 1.004257 bar 75.1403 m
nav translation: 0.6784 m -0.6726 m 75.1336 m accuracies: 5.5896 m 5.5896 m 0.0001 m
nav rotation: 0.0000 0.0000 0.0000 364.3651 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (Girdoor)
0.995 -0.098 0.000 -10.375
0.098 0.995 0.000 25.966
0.000 0.000 1.000 -0.385
0.000 0.000 0.000 1.000
    
```

Level system info: dynamic compensator available.





# Scan position '9'

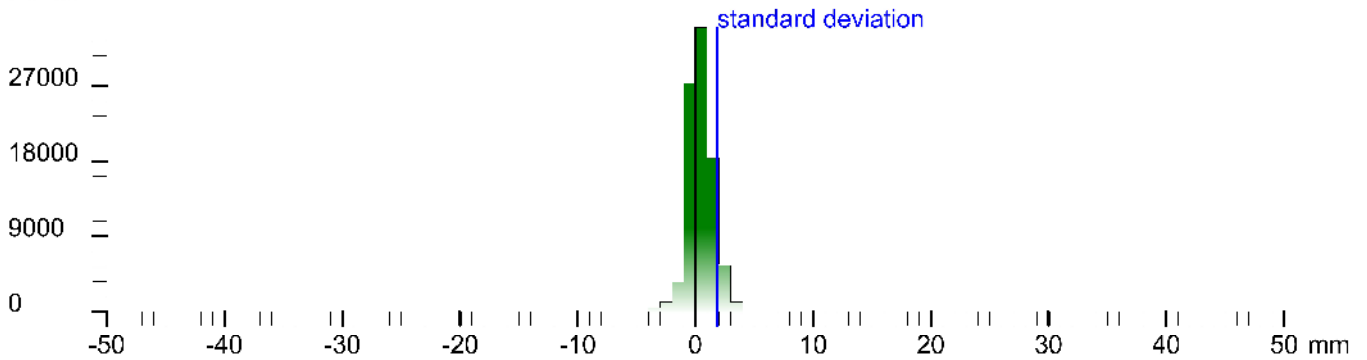
Scan position is member of group(s):  
Status registration '[102h] registered with cloud to cloud'  
Registration matrix:

-0.971148	-0.238480	-0.000036	-3.9904 m
0.238480	-0.971148	-0.000335	-22.2953 m
0.000045	-0.000334	1.000000	0.6244 m
0.000000	0.000000	0.000000	1.0000

Result registration cloud to cloud standard deviation: 1.9 mm

## Deviation histogram

Points



## Scan '9'

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: 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0  
Sensor  
sensors: 3096 *barometer (transition rotation)  
Barometer: 1.004159 bar 75.982 m  
nav translation: -3.5226 m 3.7435 m 75.5732 m accuracies: 5.558/ m 5.5584 m 0.0000 m  
nav rotation: 0.0000 0.0000 93.270/ accuracies: 0.0000 0.0000 15.0000  
up/down: no  
Initial pos position: (0/door)  
-3.973 -0.230 0.003 -13.782  
0.230 -0.973 0.000 -0.438  
0.000 0.000 1.000 -0.438  
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'

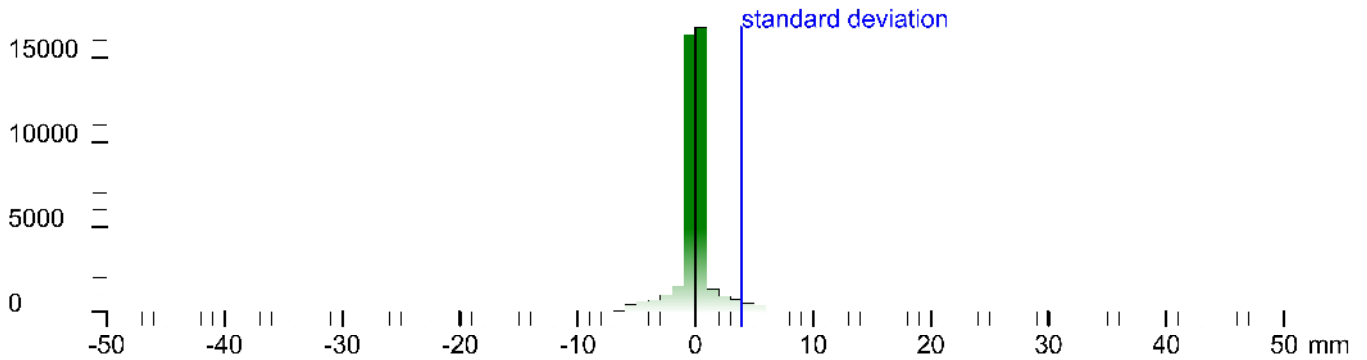
Registration matrix:

```
0.116859 -0.993149 -0.001112 -17.8225 m
0.993149 0.116860 -0.000372 -1.3326 m
0.000499 -0.001061 0.999999 10.2812 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:3.9 mm

## Deviation histogram

Points



## Scan '91'

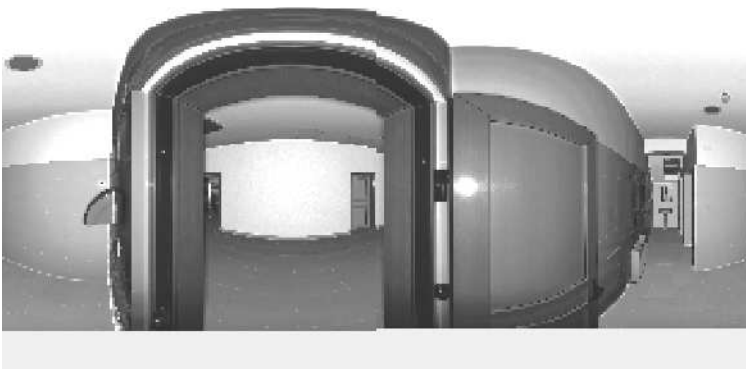
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
Barometer: 1.004189 bar 75.708 m  
nav translation: -3.3050 m 5.5354 m 75.1216 m accuracies: 7.9312 m 7.9312 m 0.0004 m  
nav rotation: 0.0000 0.0000 511.7043 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (0/door)  
0.655 -0.777 0.000 -8.671  
0.74 / 0.865 0.000 30.430  
0.000 0.000 1.000 -0.397  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '92'

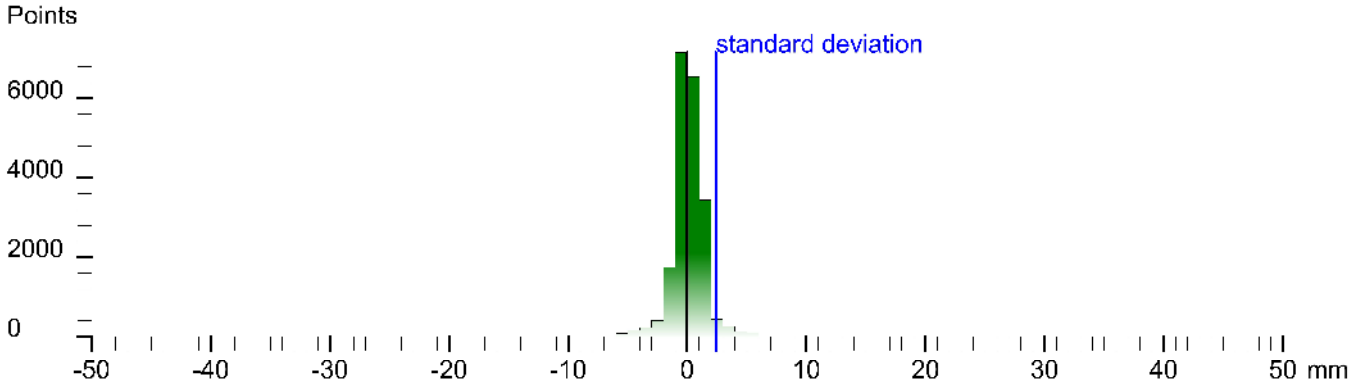
Scan position is member of group(s):  
 Status registration '[102h] registered with cloud to cloud'  
 Registration matrix:

```

-0.985508  0.169636  -0.000698  -19.9952 m
-0.169635  -0.985508  -0.001030  -3.1561 m
-0.000863  -0.000897  0.999999    10.2842 m
0.000000   0.000000   0.000000    1.0000
  
```

Result registration cloud to cloud standard deviation: 2.4 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	

```

Sensor:
sensors: 3096 *barome or transition rotation*
Barometer: 1.004211 bar 75.5232 m
nav translation: 2.2218 m 1.8982 m 75.2359 m accuracies: 6.6139 m 6.6139 m 0.0003 m
nav rotation: 0.0000 0.0000 156.4261 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
-3.917 0.490 0.000 -6.649
-0.400 -0.917 0.000 32.428
0.000 0.000 1.000 0.782
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'

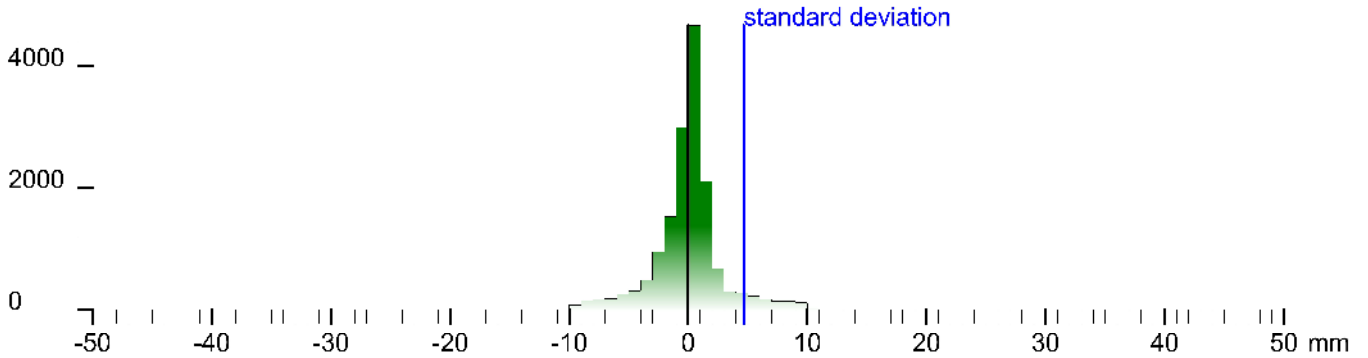
Registration matrix:

```
0.323038 -0.946386 -0.001599 -20.3221 m
0.946387 0.323038 0.000414 -1.8663 m
0.000125 -0.001647 0.999999 9.0606 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:4.7 mm

## Deviation histogram

Points



## Scan '93'

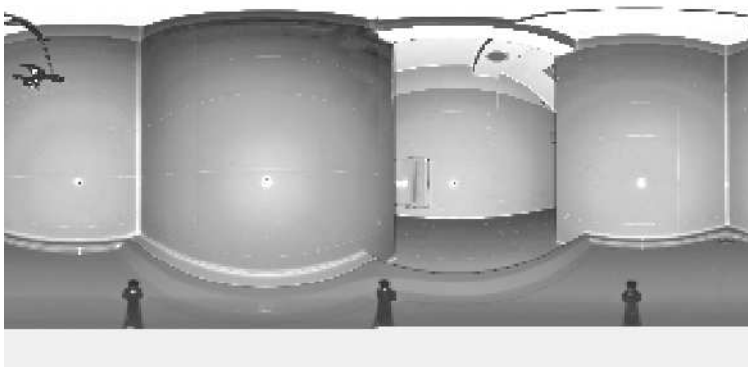
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barometric transition rotation\*  
Barometer: 1.004325 bar 74.5896 m  
nav translation: 1.7324 m 0.7984 m 71.1263 m accuracies: 6.053° m 6.053° m 0.0000 m  
nav rotation: 0.0000 0.0000 2/3.8368 accuracies: 0.0000 0.0000 1s.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.007 -0.998 0.000 -4.847  
0.998 0.067 0.000 33.226  
0.000 0.000 1.000 -7.892  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.



# Scan position '95'

Scan position is member of group(s):

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

Registration matrix:

-0.761231	-0.648357	0.012764	-21.5944 m
0.647815	-0.761192	-0.030407	-2.3640 m
0.029431	-0.014878	0.999456	8.9752 m
0.000000	0.000000	0.000000	1.0000

## Scan '95'

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

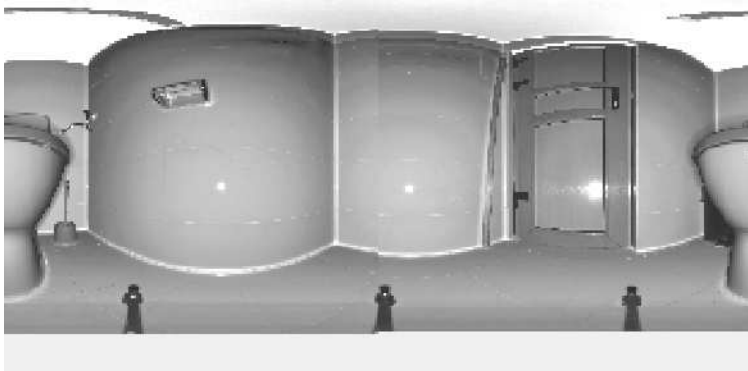
Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Scan comment: [10123h] preregistered with cloud to cloud, manually

Sensors: 3096 "barometric (translation: rotation)"  
Barometer: 1,004176 bar 75,8157 m  
nav translation: 0,3699 m -0,0200 m 75,0254 m accuracies: 5,2955 m 5,2955 m 0,0001 m  
nav rotation: 0,00000 0,00000 "91,3/86" accuracies: 0,0000 0,0000 15,0000  
upside-down: no  
Initial pre position (0:indoor)  
-0,998 -0,035 0,000 -1,952  
0,033 -0,999 0,000 32,844  
0,000 0,000 1,000 -1,593  
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'

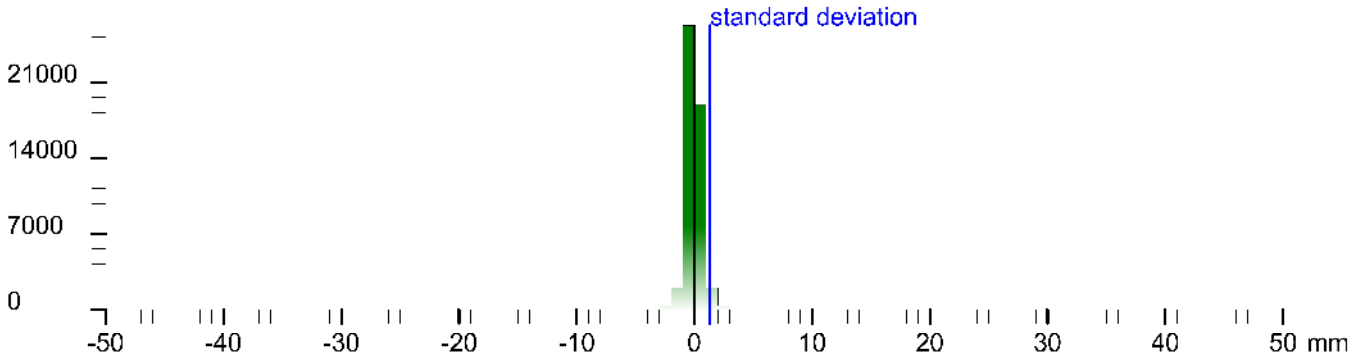
Registration matrix:

```
0.779174 -0.626809 -0.000775 -13.5631 m  
0.626809 0.779174 0.000183 -1.0267 m  
0.000489 -0.000629 1.000000 10.2897 m  
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation: 1.3 mm

## Deviation histogram

Points



## Scan '96'

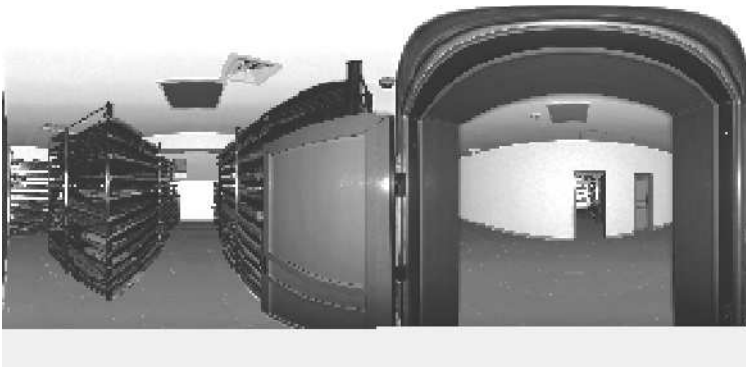
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

Sensor: 3096 \*barome or transition rotation\*  
Barometer: 1.003920 bar 77.9806 m  
nav translation: 3.7817 m -0.7034 m 77.2922 m accuracies: 7.0813 m 7.0813 m 0.0015 m  
nav rotation: 0.0000 0.0000 0.0000 accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (Girdoor)  
0.586 0.811 0.000 1.832  
0.611 0.086 0.000 32.140  
0.000 0.000 1.000 0.264  
0.000 0.000 0.000 1.000

Level system info: dynamic compensator available.







# Scan position '98'

Scan position is member of group(s):

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

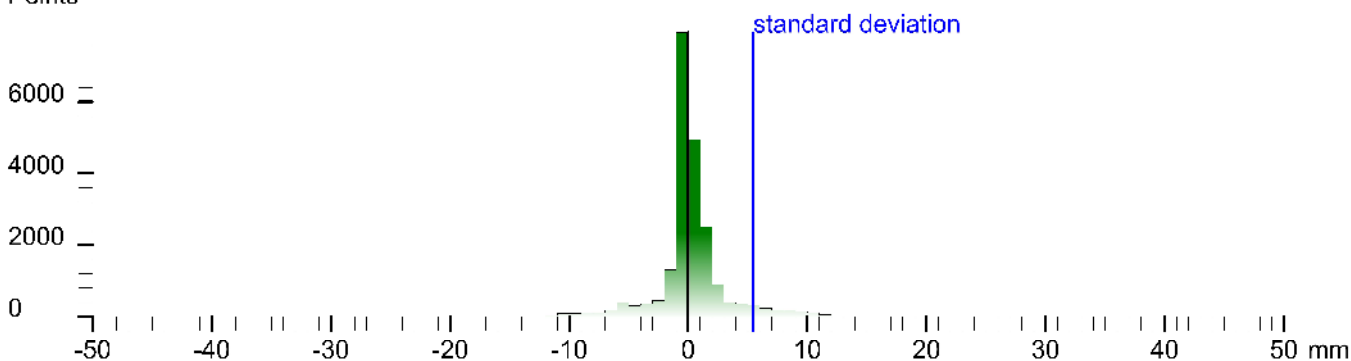
Registration matrix:

```
-0.011583 -0.999934 -0.000382 -12.0110 m
0.999934 -0.011583 0.000047 3.6116 m
-0.000051 -0.000381 1.000000 10.4548 m
0.000000 0.000000 0.000000 1.0000
```

Result registration cloud to cloud standard deviation:5.5 mm

## Deviation histogram

Points



## Scan '98'

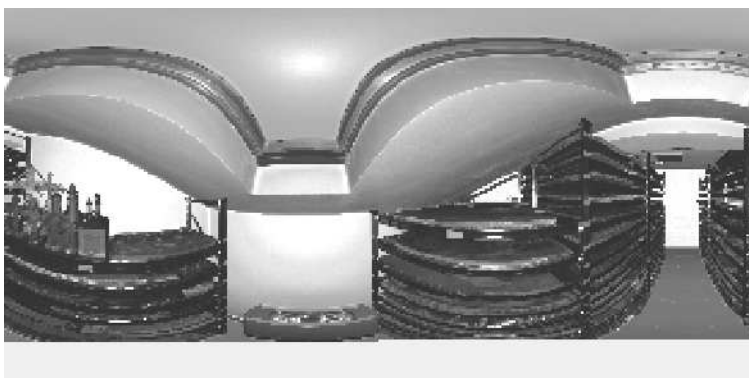
Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 9.0.3.6562-0

Scan resolution 'High' quality 'Normal'

Metadata	Value
comment	
operator	

```
Scan position: [102h] registered with cloud to cloud
Sensor
sensors: 3096 *barometric transition rotation*
Barometer: 1.003760 bar 73.3085 m
nav translation: 2.4457 m -1.0285 m 78.5375 m accuracies: 5.4677 m 6.4577 m 0.0000 m
nav rotation: 0.0000 0.0000 293.6692 accuracies: 0.0000 0.0000 1s.0000
upside-down: no
Initial pre position: (Girdoor)
0.400 -0.817 0.000 6.850
0.917 0.400 0.000 30.716
0.000 0.000 1.000 1.519
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'

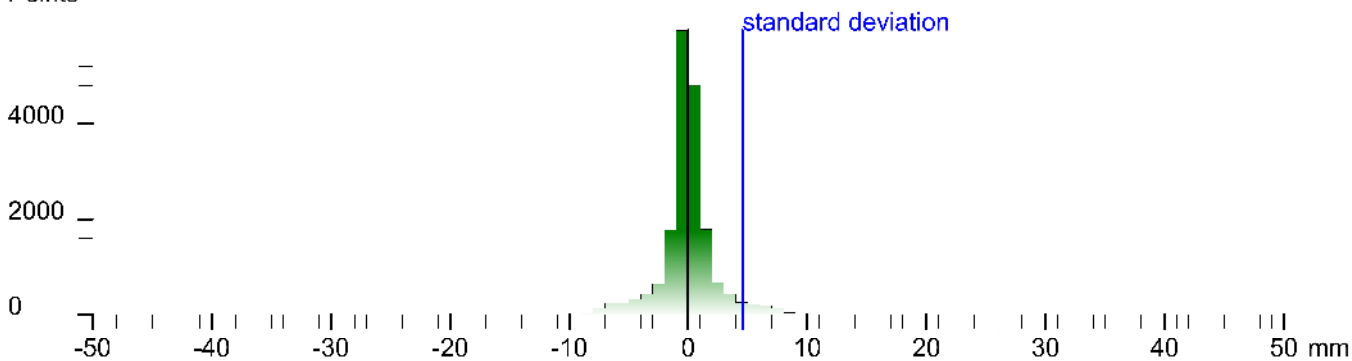
Registration matrix:

```
-0.889351  0.457226  -0.000726  -17.2243 m  
-0.457226  -0.889352  -0.000614  -3.1700 m  
-0.000926  -0.000214  0.999999   10.3529 m  
0.000000  0.000000  0.000000   1.0000
```

Result registration cloud to cloud standard deviation:4.5 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 *barome or transition rotation*  
Barometer: 1.003805 bar 80.6076 m  
nav translation: -3.1819 m 4.7655 m 79.5294 m accuracies: 7.5177 m 7.5177 m 0.0000 m  
nav rotation: 0.0000 0.0000 61.4077 / accuracies: 0.0000 0.0000 15.0000  
upside-down: no  
Initial pre position: (Girdoor)  
-3.918 0.319 0.000 6.365  
-0.319 -0.946 0.000 33.482  
0.000 0.000 1.000 2.5*1  
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: **217** used in **217** scan positions

Point clouds: **0**

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

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

Scans with errors:**0** warnings:**3** 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 **217** scan positions

First scan taken at: **19.8.2021 09:07::04** last scan at: **31.8.2021 16:20:01**

Duration: **12d 7h 12min 57sec**