

Project report

Date: Tue Sep 10 2024 18:54:55
Build with: Z+FLaserControl 10.0.2.37426
Project: Casa Colectiilor GL
Master scan position: 1
Available systems: Default, UTM
Coordinate: Latitude: 45.4395 Longitude: 28.0494
H-Acc: 2.8 V-Acc: 3.4 Satellites: 8 Flags: stand alone 3D solution
taken from Scan Casa Col.Sc. 1.zfs

85 of 85 scan positions used for registration.

Quality standard deviation of the cloud to cloud registration

d:3.0 mm

Coordinate system: Default

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	

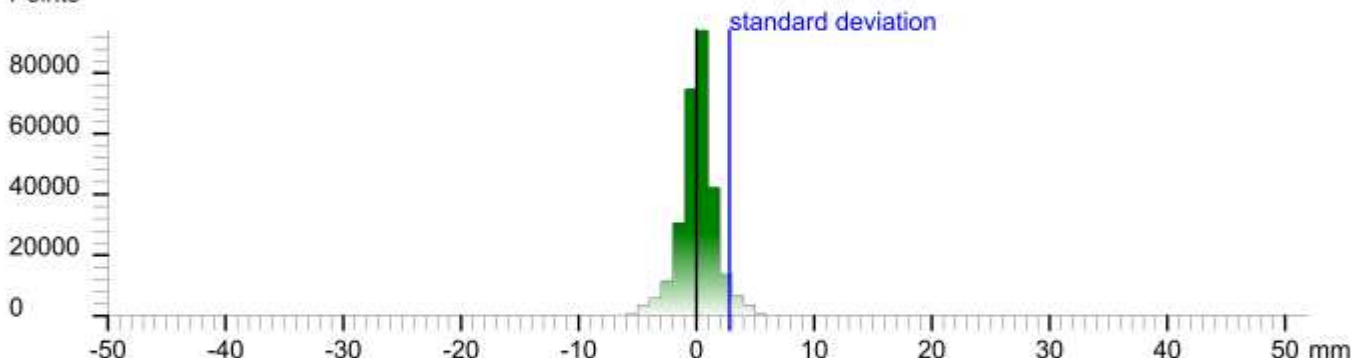
Scan position '1'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment, compensated'
Master scan position

Result registration to 2. Cloud to cloud standard deviation:2.8 mm

Deviation histogram

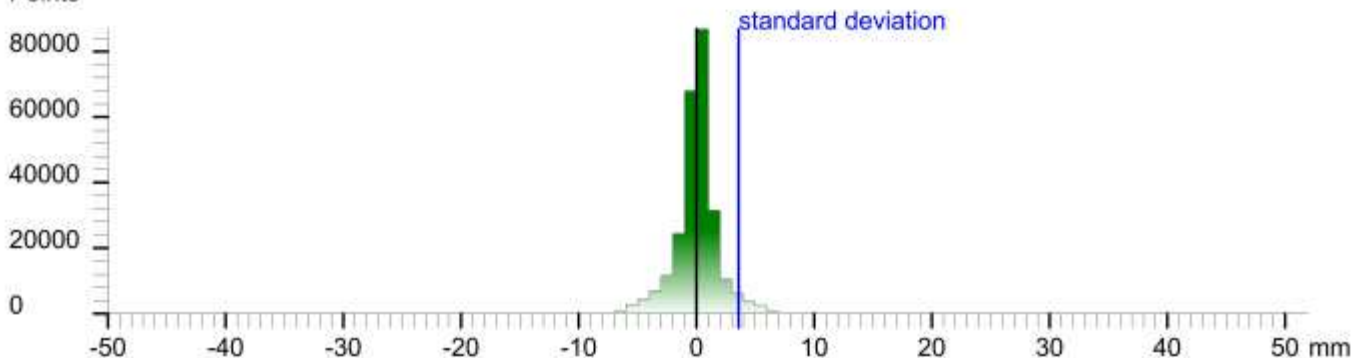
Points



Result registration to 37. Cloud to cloud standard deviation:3.6 mm

Deviation histogram

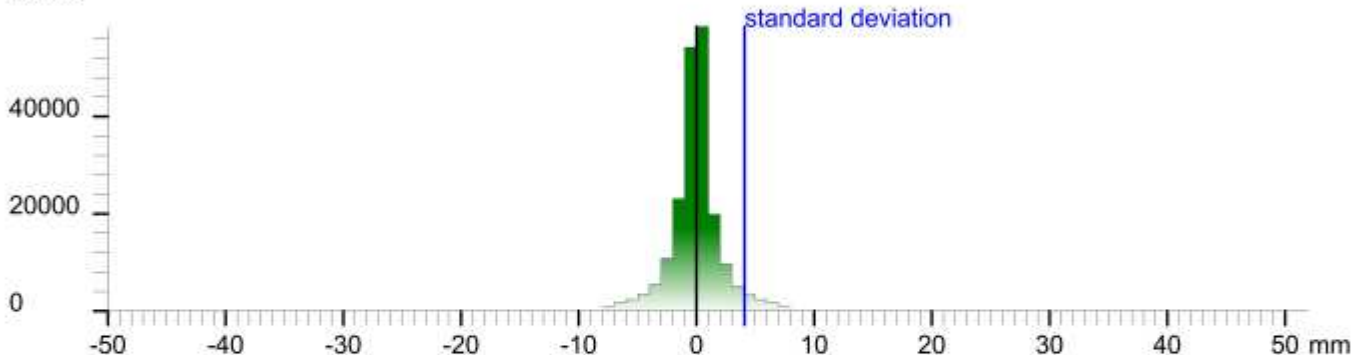
Points



Result registration to 36. Cloud to cloud standard deviation:4.1 mm

Deviation histogram

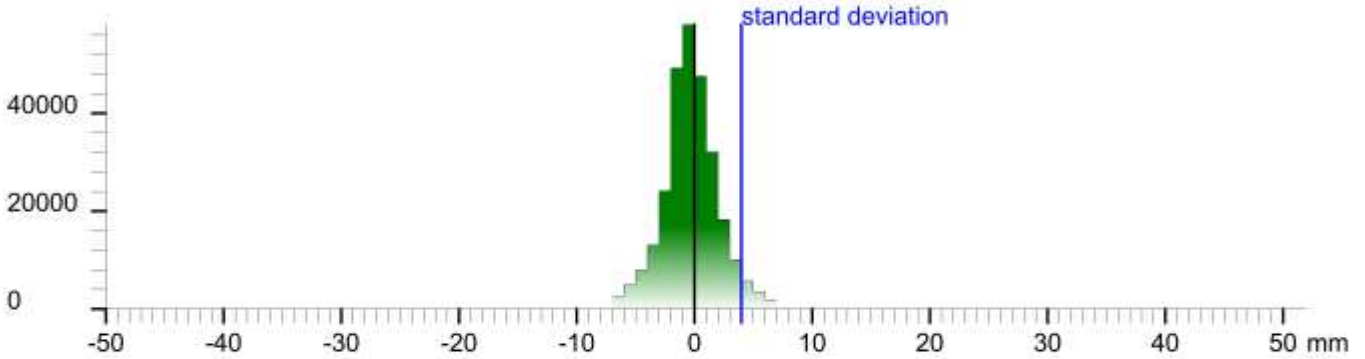
Points



Result registration to 9. Cloud to cloud standard deviation:4.0 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 1'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 08:27:27 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "1" -file "Casa Col.Sc. 1" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15484 ° barometer magnetometer translation rotation gps

Barometer: 1.011543 bar 14.2211 m

Magnetometer: -61.2000 9.3000 -95.9000

nav translation: 0.0000 m 0.0000 m 14.5526 m accuracies: 5.0000 m 5.0000 m 0.0006 m

nav rotation: 0.0186 1.0628 302.5336 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439507 long:28.049416 satellites:8 height:62.5m hdop:0.7 vldop:1.0m hacc:2.8m vacc:3.4 utc:19533 flags:G3 'stand alone 3D solution'

north:5032311.463 m east:582075.170 m zone:35T

Initial pre position (3:outdoor)

0.537702	-0.842931	0.018548	0.0000	m
0.843079	0.537789	-0.000329	0.0000	m
-0.009698	0.015814	0.999828	0.0000	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 30.891° Azimuth: 108.809° Azimuth to Scan 0 = -193.725°

Scan position '10'

Scan position is member of group(s):

Status registration 'registered with bundleadjustment with cloud to cloud'

Optimized

Connection standard deviation

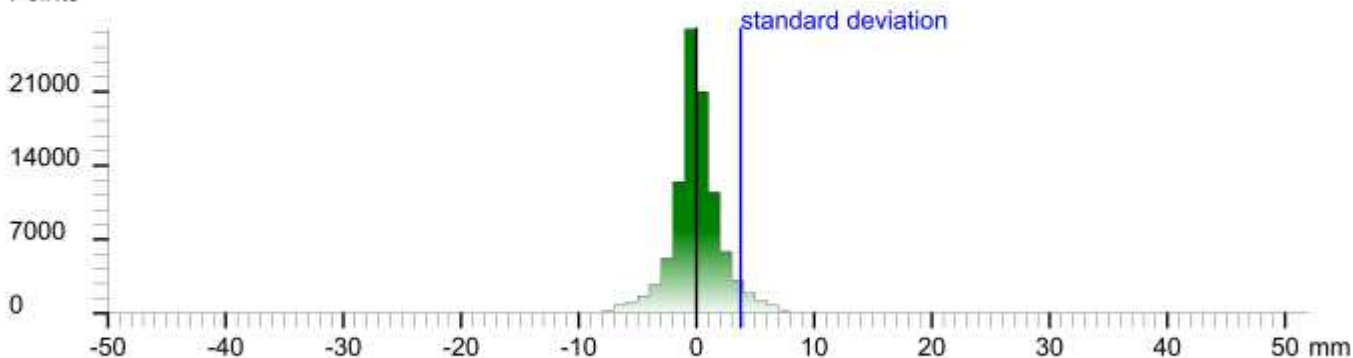
from 2: 3.5 mm

from 9: 3.9 mm

Result registration from 9. Cloud to cloud standard deviation:3.8 mm

Deviation histogram

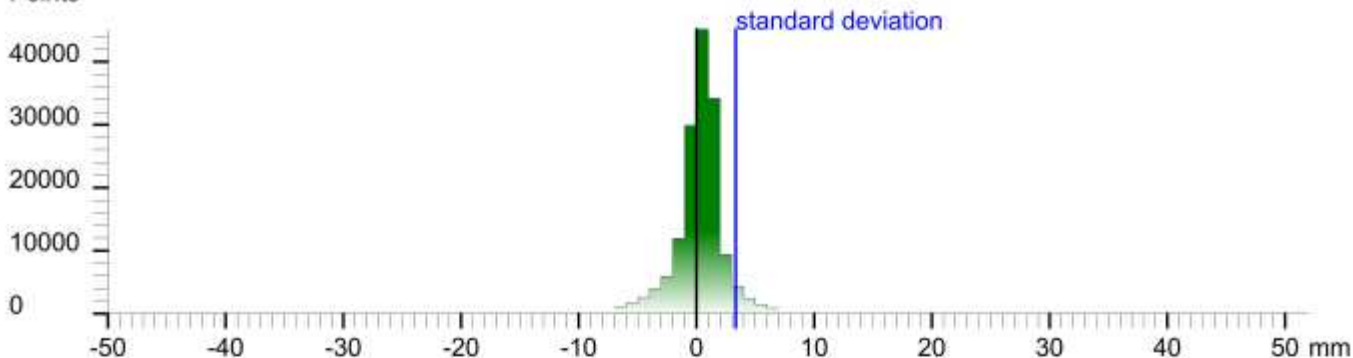
Points



Result registration from 2. Cloud to cloud standard deviation:3.3 mm

Deviation histogram

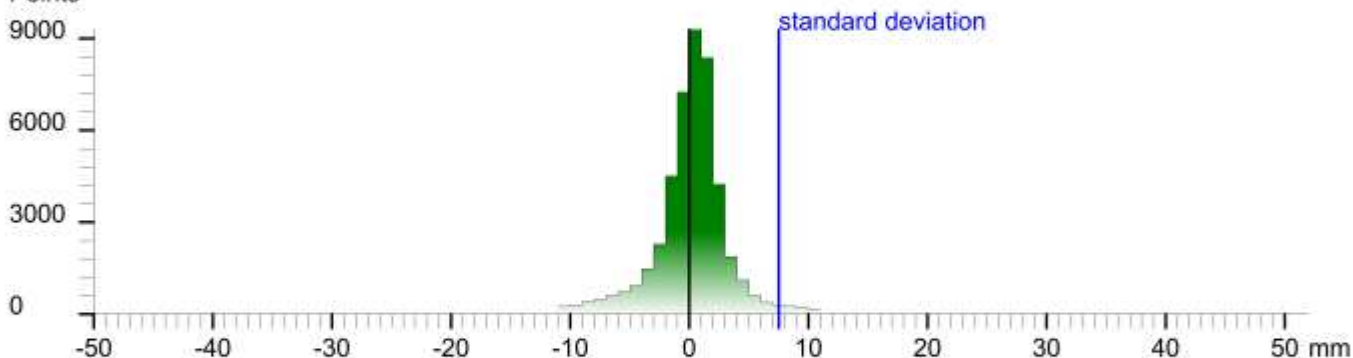
Points



Result registration to 11. Cloud to cloud standard deviation:7.5 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 10'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 09:25:50 27.08.2024

Metadata Value

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "10" -file "Casa Col.Sc. 10" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -fho "181" -ffrom1 "20" -fho1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 ° barometer magnetometer translation rotation gps
Barometer: 1.011636 bar 13.445 m
Magnetometer: -56.4000 55.6000 -96.4000
nav translation: -0.6331 m 10.4535 m 13.2527 m accuracies: 10.5096 m 10.5096 m 0.0007 m
nav rotation: -1.0694 -0.2402 199.0222 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.438545 long:28.049677 satellites:8 height:62.8m hdop:1.0 vdop:1.6m hacc:4.5m vacc:6.5m utc:23035 flags:D3 'differential 3D solution'
north:5032315.968 m east:582095.551 m zone:35T
Initial pre position (3:outdoor)

-0.945384	-0.325931	-0.004192	20.3578	m
0.325803	-0.945253	0.018663	4.4881	m
-0.010045	0.016278	0.999617	-1.2999	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

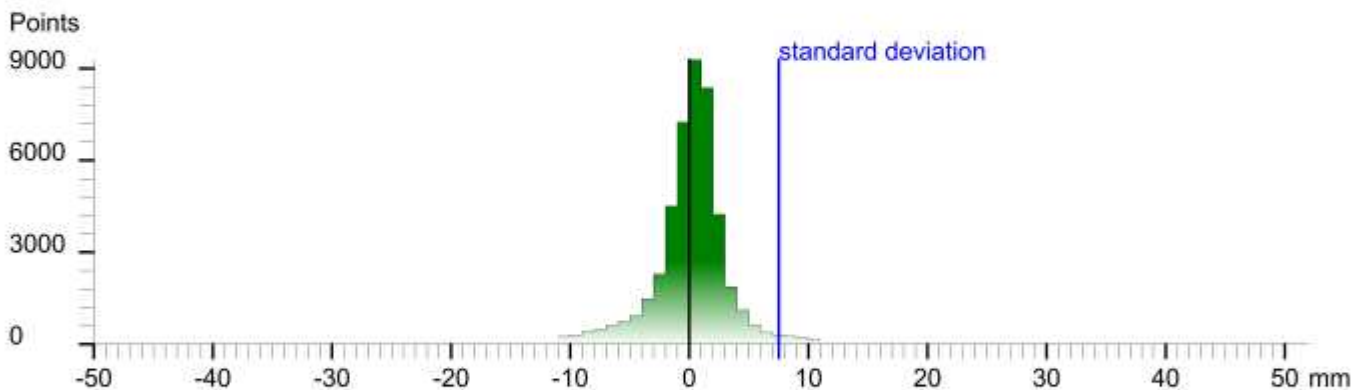
Sun position info: Altitude: 40.048° Azimuth: 122.311° Azimuth to Scan 0 = -91.015°

Scan position '11'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 10: 7.5 mm

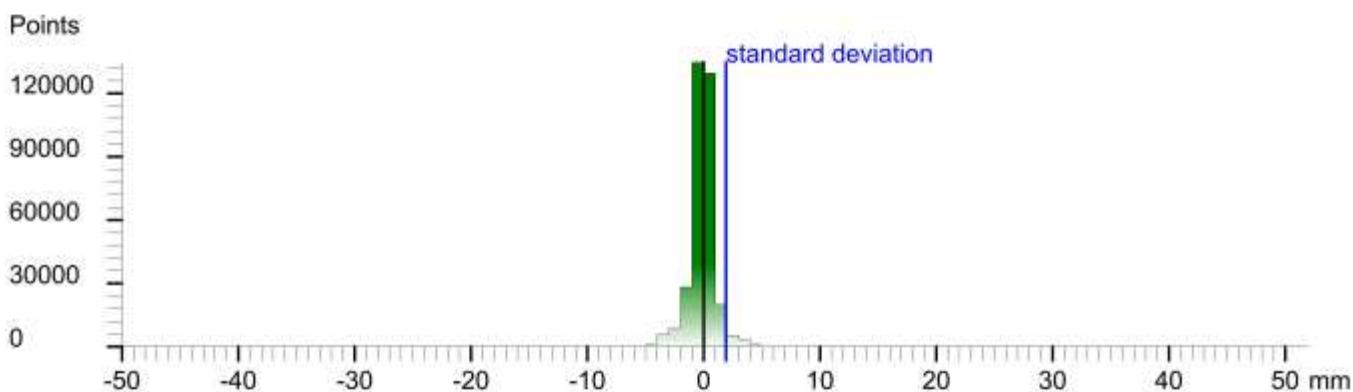
Result registration from 10. Cloud to cloud standard deviation:7.5 mm

Deviation histogram



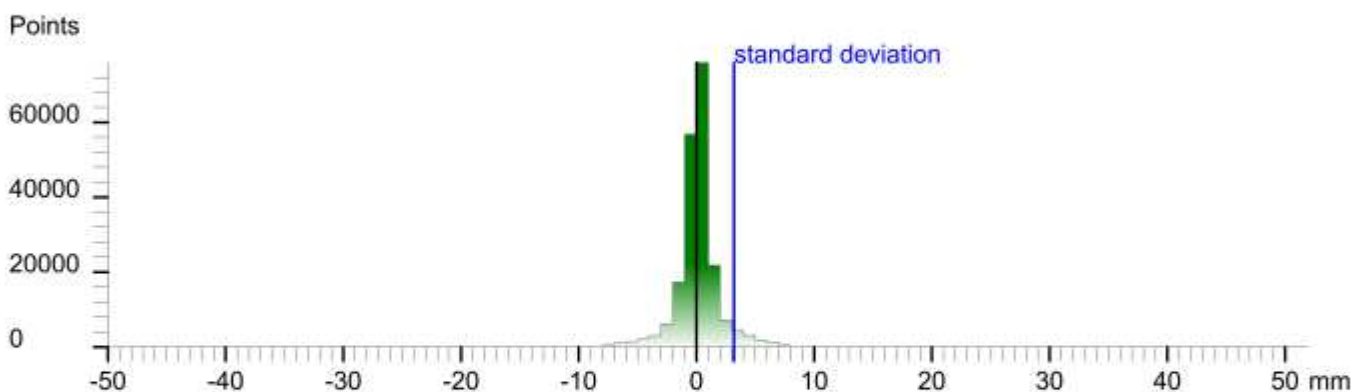
Result registration to 12. Cloud to cloud standard deviation:1.9 mm

Deviation histogram



Result registration to 6. Cloud to cloud standard deviation:3.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 11'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 09:33:25 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "11" -file "Casa Col.Sc. 11" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -ffrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 ` barometer magnetometer translation rotation gps`

Barometer: 1.011569 bar 14.0005 m

Magnetometer: -58.3000 32.8000 -96.1000

nav translation: -20.9877 m -16.7981 m 14.2255 m accuracies: 18.8613 m 18.8613 m 0.0001 m

nav rotation: -0.8619 0.6465 245.1380 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439304 long:28.048973 satellites:8 height:60.2m hdrop:1.1 vdrop:1.7m hacc:3.1m vacc:7.4 utc:23491 flags:D3 'differential 3D solution'

north:5032288.550 m east:582040.854 m zone:35T

Initial pre position (3:outdoor)

-0.420407	-0.907265	0.011283	-34.3529	m
0.907292	-0.420233	0.015041	-23.0045	m
-0.008905	0.016560	0.999823	-0.3271	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

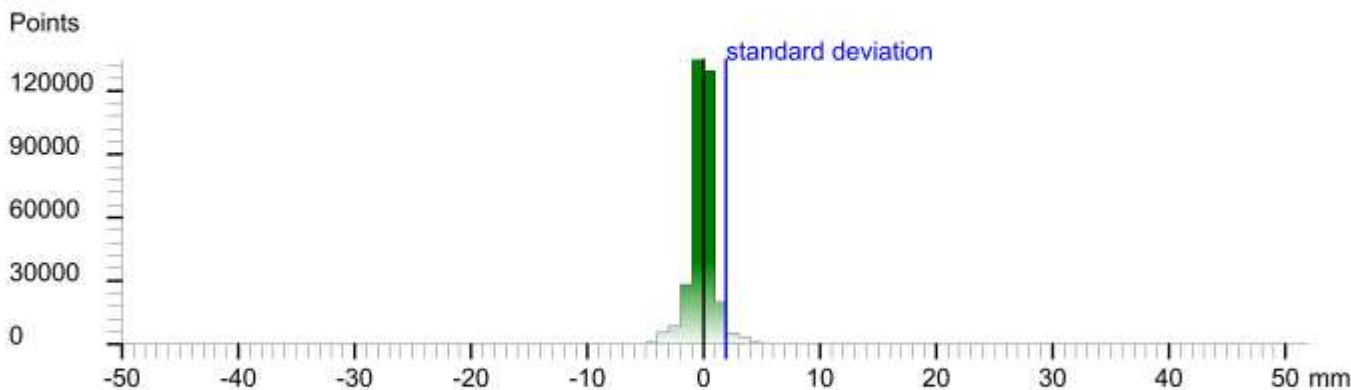
Sun position info: Altitude: 41.218° Azimuth: 124.399° Azimuth to Scan 0 = -139.398°

Scan position '12'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 11: 2.0 mm

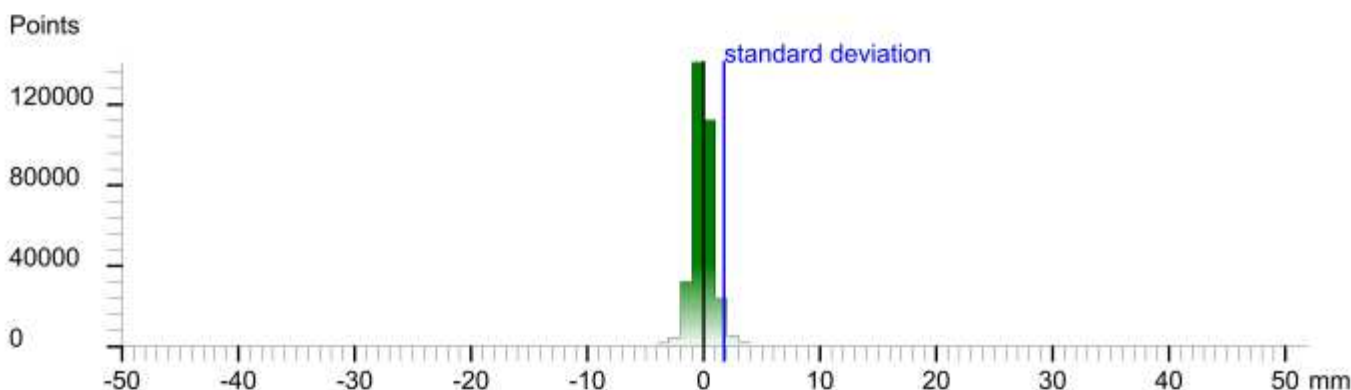
Result registration from 11. Cloud to cloud standard deviation:1.9 mm

Deviation histogram



Result registration to 13. Cloud to cloud standard deviation:1.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 12'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 09:40:02 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "12" -file "Casa Col.Sc. 12" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.011649 bar 13.3387 m
Magnetometer: -65.4000 32.1000 -96.8000
nav translation: -4.0314 m 1.4111 m 13.1865 m accuracies: 7.1803 m 7.1803 m 0.0003 m
nav rotation: -0.8410 0.7001 245.7808 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439373 long:28.048925 satellites:8 height:58.5m hdop:1.0 vldop:1.5m hacc:3.6m vacc:8.0 utc:23887 flags:G3 'stand alone 3D solution'
north:5032296.130 m east:582037.026 m zone:35T
Initial pre position (3:outdoor)
-0.410199 -0.911914 0.012219 -38.2070 m
0.911958 -0.410022 0.014676 -15.3879 m
-0.008374 0.017163 0.999818 -1.3662 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

Sun position info: Altitude: 42.218° Azimuth: 126.280° Azimuth to Scan 0 = -140.360°

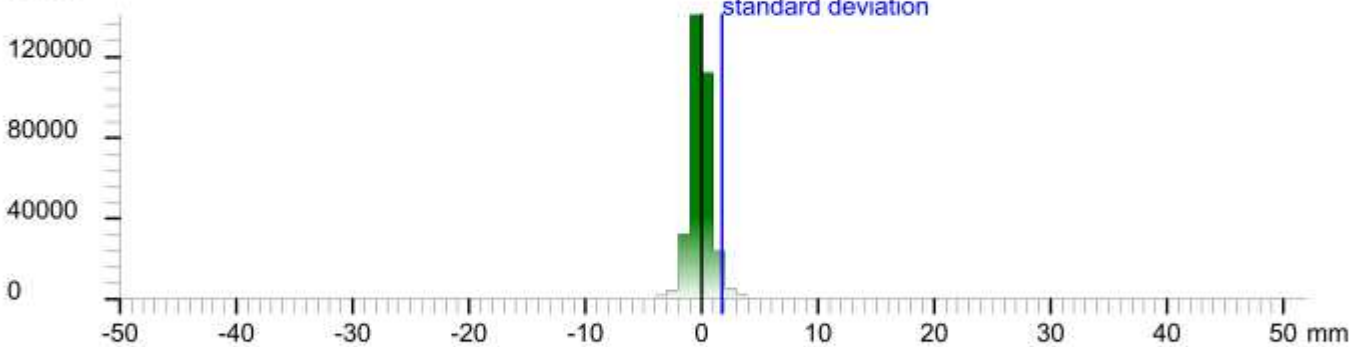
Scan position '13'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 12: 1.9 mm

Result registration from 12. Cloud to cloud standard deviation:1.7 mm

Deviation histogram

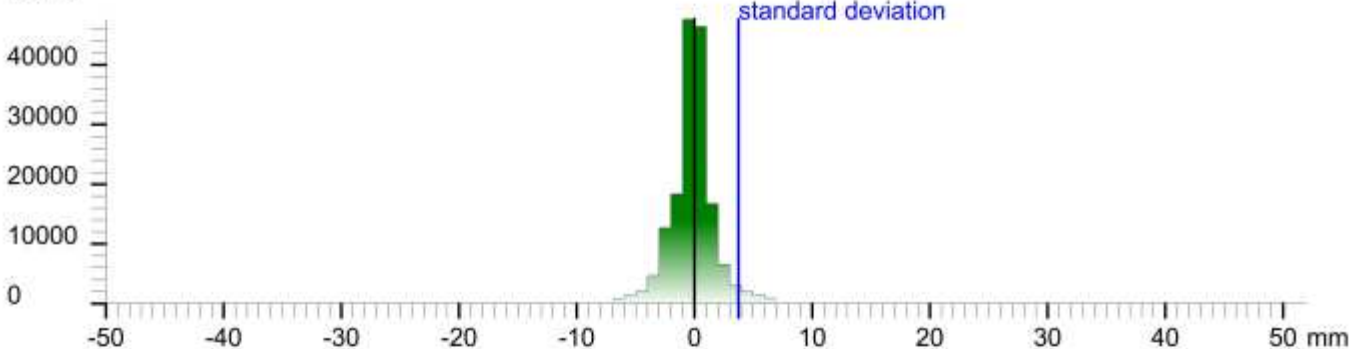
Points



Result registration to 14. Cloud to cloud standard deviation:3.7 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 13'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 09:46:14 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "13" -file "Casa Col.Sc. 13" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.011744 bar 12.5468 m
Magnetometer: -69.1000 2.8000 -92.8000
nav translation: -1.6321 m -1.7024 m 12.5880 m accuracies: 6.2580 m 6.2580 m 0.0005 m
nav rotation: 0.2432 1.0475 312.5638 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439392 long:28.049017 satellites:8 height:74.4m hdop:1.0 vldop:1.8m hacc:7.9m vacc:13.0 utc:24259 flags:G3 'stand alone 3D solution'
north:5032298.342 m east:582044.158 m zone:35T
Initial pre position (3:outdoor)
0.676298 -0.736401 0.018281 -31.0392 m
0.736570 0.676348 -0.004244 -13.1832 m
-0.009239 0.016336 0.999824 -1.9647 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

Sun position info: Altitude: 43.055° Azimuth: 127.935° Azimuth to Scan 0 = -207.809°

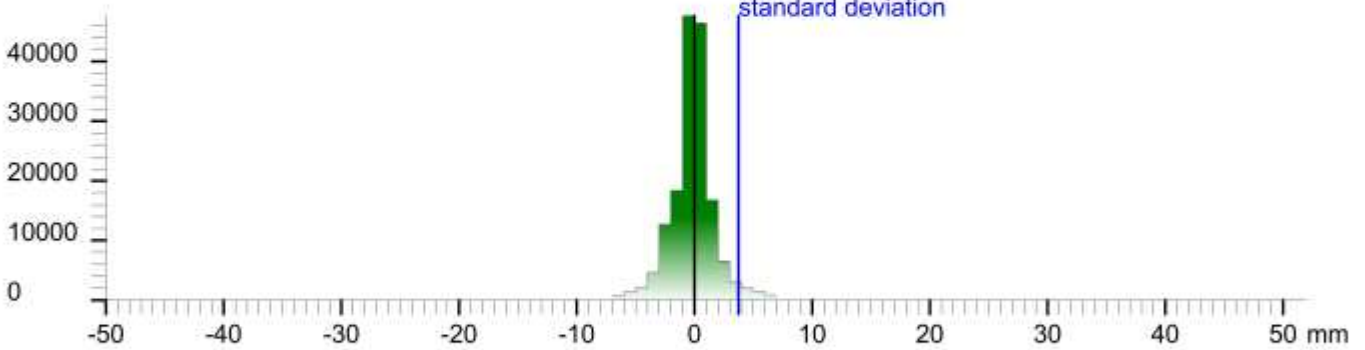
Scan position '14'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 13: 4.5 mm
from 19: 3.3 mm

Result registration from 13. Cloud to cloud standard deviation:3.7 mm

Deviation histogram

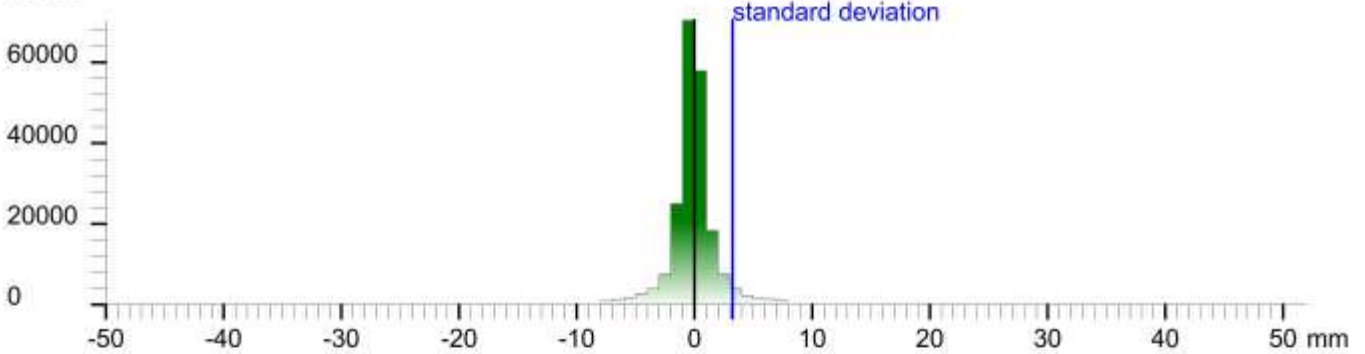
Points



Result registration from 19. Cloud to cloud standard deviation:3.2 mm

Deviation histogram

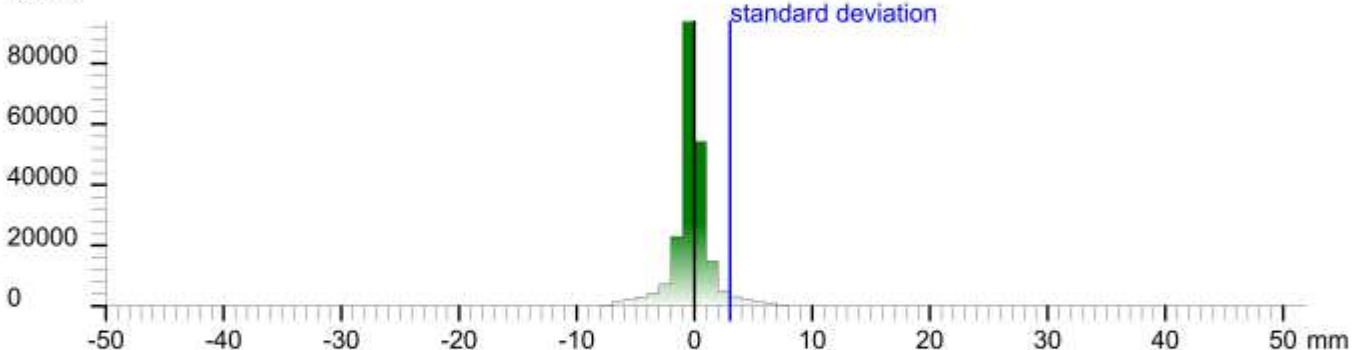
Points



Result registration to 15. Cloud to cloud standard deviation:3.0 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 14'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 09:52:51 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "14" -file "Casa Col.Sc. 14" -path "Casa Colectiilor GL." -project "Casa Colectiilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -fto "181" -ffrom1 "20" -fho1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps

Barometer: 1.011918 bar 11.0942 m

Magnetometer: -60.6000 13.7000 -96.9000

nav translation: -5.3939 m 7.6126 m 11.5413 m accuracies: 9.7582 m 9.7582 m 0.0001 m

nav rotation: -0.4943 0.9961 278.4583 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439461 long:28.048948 satellites:8 height:94.8m hdop:1.1 vdop:2.5m hacc:5.4m vacc:14.0 utc:24657 flags:D3 'differential 3D solution'

north:5032305.901 m east:582038.688 m zone:35T

Initial pre position (3.outdoor)

0.147067	-0.988974	0.017385	-36.5357	m
0.989064	0.147232	0.008625	-5.5880	m
-0.011090	0.015926	0.999612	-3.0113	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 43.874° Azimuth: 129.629° Azimuth to Scan 0 = -173.972°

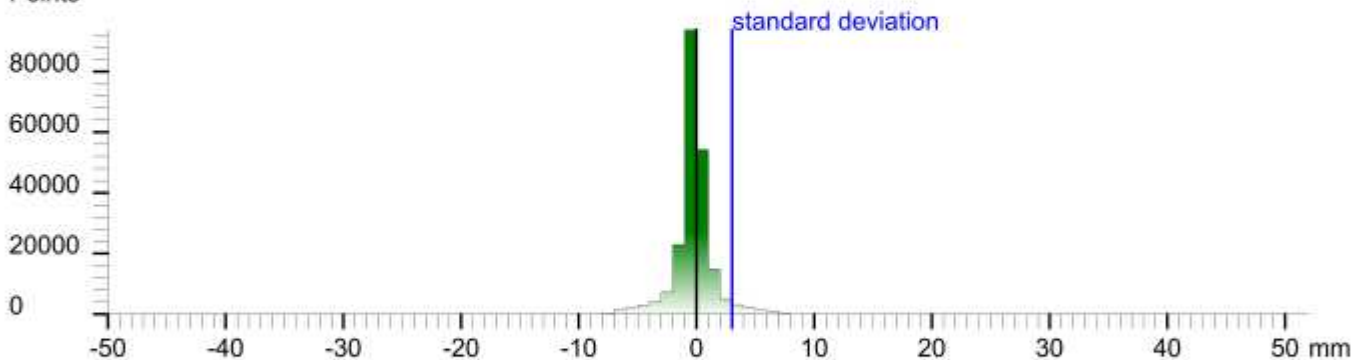
Scan position '15'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 14: 3.3 mm

Result registration from 14. Cloud to cloud standard deviation:3.0 mm

Deviation histogram

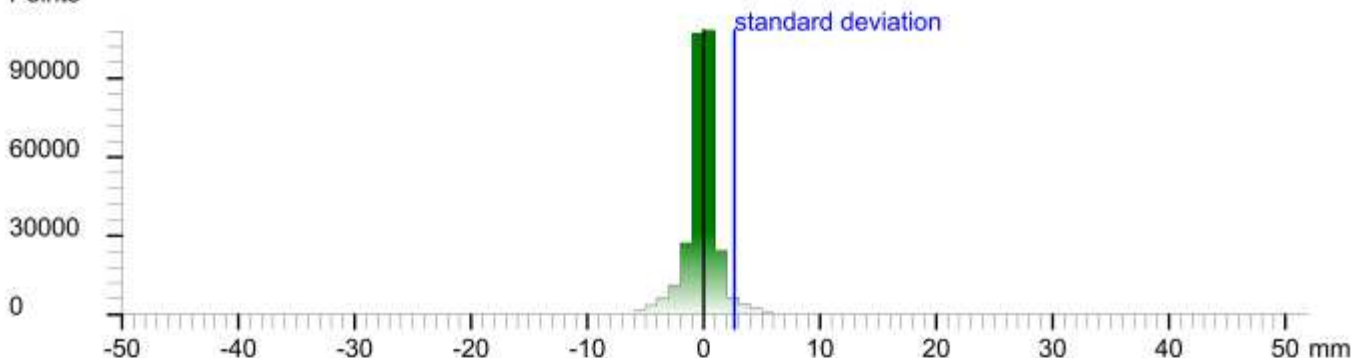
Points



Result registration to 16. Cloud to cloud standard deviation:2.6 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 15'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 09:59:29 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "15" -file "Casa Col.Sc. 15" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps*
Barometer: 1.012028 bar 10.1783 m
Magnetometer: -61.7000 3.6000 -95.3000
nav translation: -2.7505 m 2.7870 m 10.4005 m accuracies: 7.0364 m 7.0364 m 0.0002 m
nav rotation: 0.1056 1.0664 303.9898 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439659 long:28.048836 satellites:8 height:75.7m hdop:1.1 vldop:1.8m hacc:5.6m vacc:14.0 utc:25054 flags:G3 'stand alone 3D solution'
north:5032327.823 m east:582029.600 m zone:35T
Initial pre position (3:outdoor)
0.558949 -0.828993 0.018612 -45.5822 m
0.829155 0.559016 -0.001843 16.2947 m
-0.008876 0.016462 0.999825 -4.1522 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

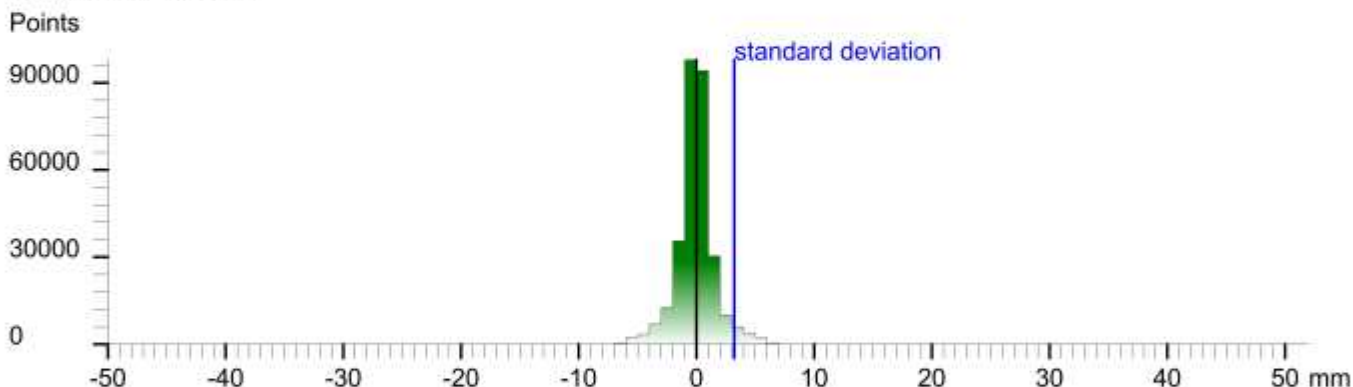
Sun position info: Altitude: 44.804° Azimuth: 131.659° Azimuth to Scan 0 = -198.990°

Scan position '16'

Scan position is member of group(s):
 Status registration 'registered with bundleadjustment with cloud to cloud'
 Optimized
 Connection standard deviation
 from 15: 2.5 mm
 from 17: 3.0 mm

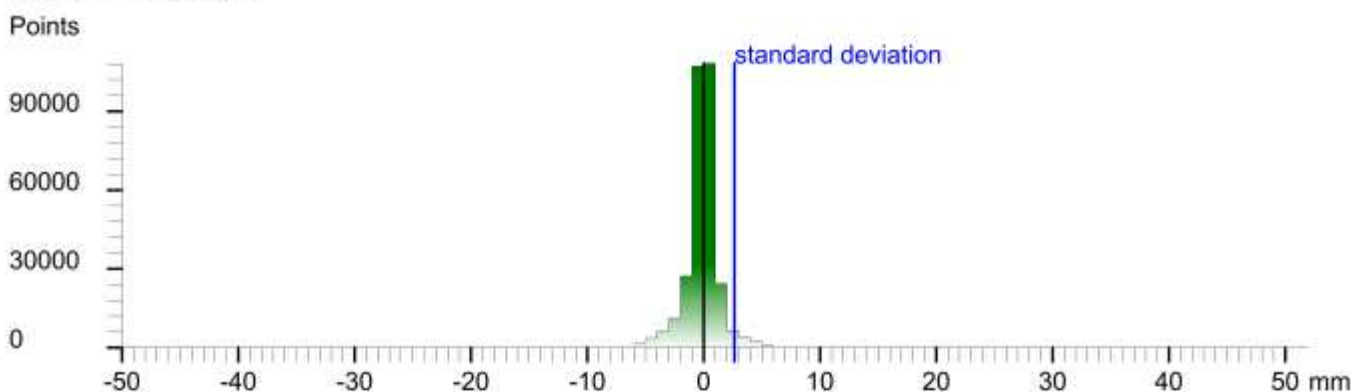
Result registration from 17. Cloud to cloud standard deviation:3.2 mm

Deviation histogram



Result registration from 15. Cloud to cloud standard deviation:2.6 mm

Deviation histogram



Scan 'Casa Col.Sc. 16'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
 Laser class of scanner: 1
 Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
 Scan taken at 10:05:45 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "16" -file "Casa Col.Sc. 16" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "161" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 ^ barometer magnetometer translation rotation gps^
 Barometer: 1.012125 bar 9.37168 m
 Magnetometer: -61.8000 5.3000 -100.7000
 nav translation: -1.9001 m 2.5584 m 9.7514 m accuracies: 6.6815 m 6.6815 m 0.0002 m
 nav rotation: -0.4460 1.0143 277.6382 accuracies: 0.0000 0.0000 15.0000
 upside-down: no
 GPS lat:45.439671 long:28.048790 satellites:8 height:66.9m hdrop:1.0 vdrop:1.6m hacc:3.4m vacc:7.4 utc:25430 flags:G3 'stand alone 3D solution'
 north:5032329.048 m east:582026.003 m zone:35T
 Initial pre position (3:outdoor)

0.132897	-0.990972	0.017703	-49.1973	m
0.991079	0.133050	0.007783	17.5809	m
-0.010068	0.016510	0.999813	-4.8012	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

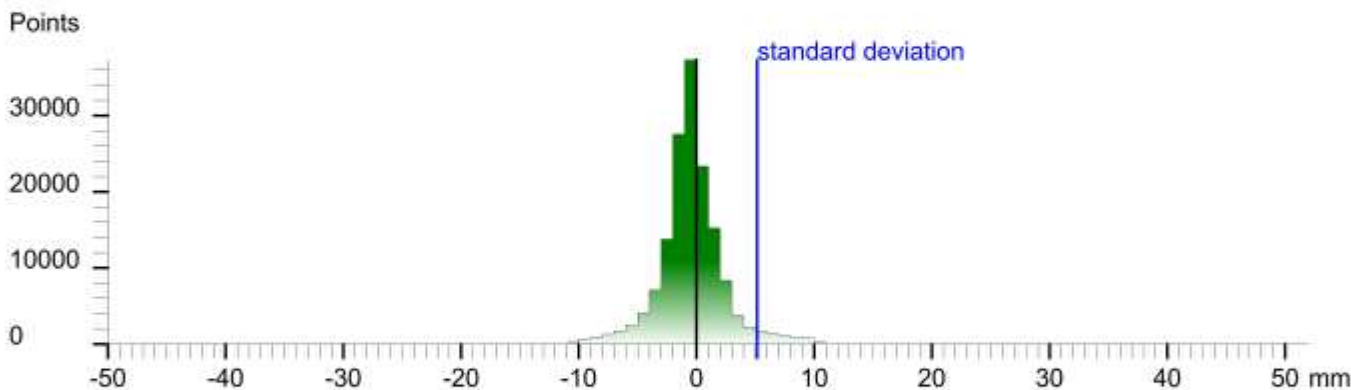
Sun position info: Altitude: 45.578° Azimuth: 133.446° Azimuth to Scan 0 = -172.281°

Scan position '17'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 18: 4.4 mm

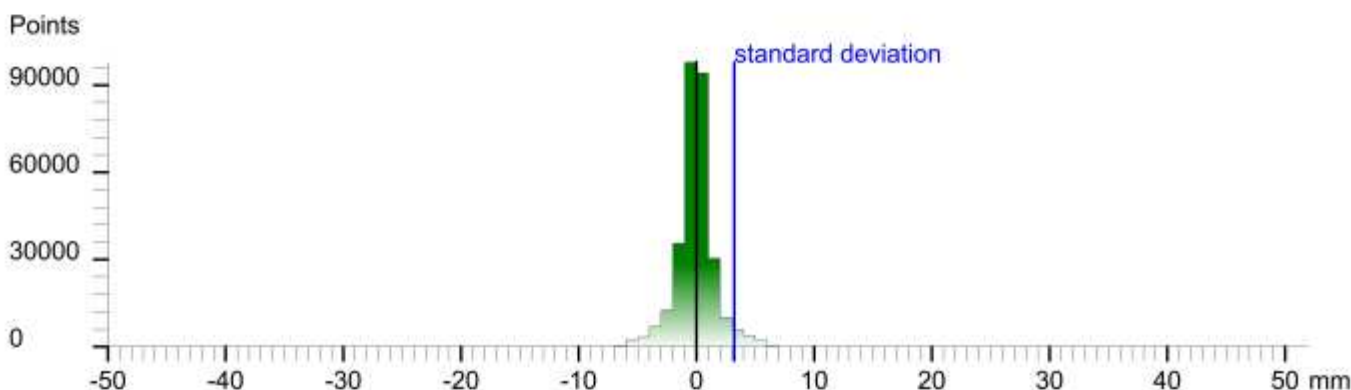
Result registration from 18. Cloud to cloud standard deviation:5.2 mm

Deviation histogram



Result registration to 16. Cloud to cloud standard deviation:3.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 17'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 10:12:22 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "17" -file "Casa Col.Sc. 17" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.012630 bar 5.16487 m
Magnetometer: -31.6000 2.2000 -95.4000
nav translation: 1.3030 m 0.6022 m 7.1354 m accuracies: 5.7695 m 5.7695 m 0.0011 m
nav rotation: 0.9416 0.6401 357.0860 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439701 long:28.048805 satellites:8 height:88.6m hdop:1.0 vldop:1.2m hacc:8.7m vacc:16.0 utc:25827 flags:G3 'stand alone 3D solution'
north:5032332.454 m east:582027.152 m zone:35T
Initial pre position (3:outdoor)
0.998645 -0.050834 0.011172 -48.0676 m
0.051013 0.998563 -0.016432 20.9290 m
-0.010321 0.016979 0.999803 -7.4172 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

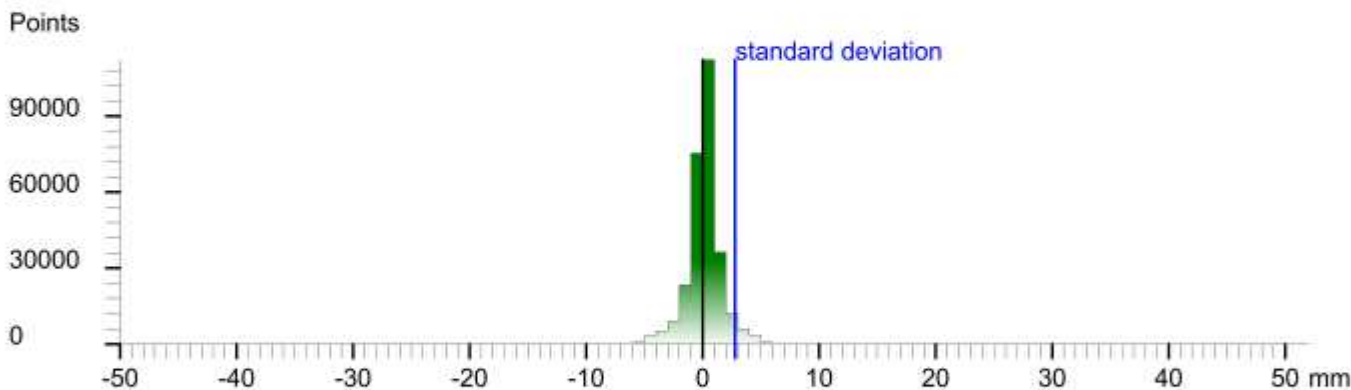
Sun position info: Altitude: 46.452° Azimuth: 135.586° Azimuth to Scan 0 = -250.808°

Scan position '18'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 19: 3.1 mm

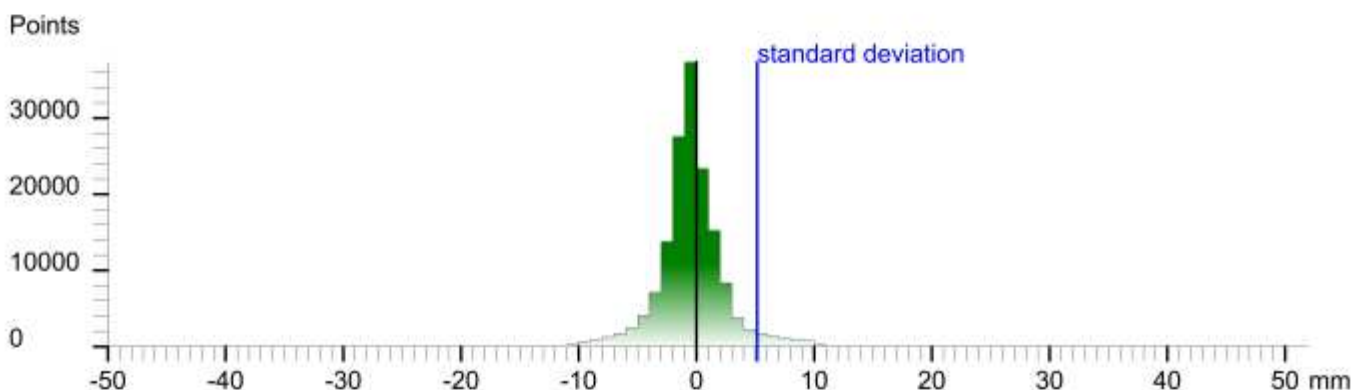
Result registration from 19. Cloud to cloud standard deviation:2.8 mm

Deviation histogram



Result registration to 17. Cloud to cloud standard deviation:5.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 18'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 10:19:35 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "18" -file "Casa Col.Sc. 18" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.012933 bar 2.64121 m
Magnetometer: -56.9000 33.8000 -95.7000
nav translation: 19.8983 m 9.8237 m 2.4088 m accuracies: 16.4338 m 16.4338 m 0.0005 m
nav rotation: -1.0886 0.0919 215.1351 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439678 long:28.048988 satellites:8 height:62.0m hdop:1.0 vdog:1.6m hacc:6.6m vacc:9.8 utc:26260 flags:G3 'stand alone 3D solution'
north:5032330.098 m east:582041.506 m zone:35T
Initial pre position (3:outdoor)
-0.817796 -0.575506 0.001605 -33.7218 m
0.575428 -0.817632 0.018998 18.5606 m
-0.009622 0.016460 0.999818 -12.1439 m
0.000000 0.000000 0.000000 1.0000 m

Level system info: Level available.

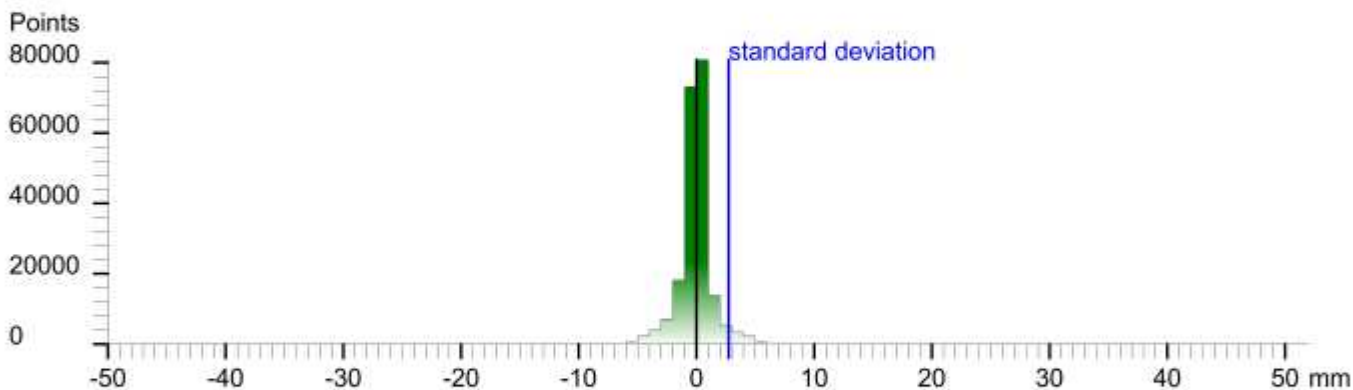
Sun position info: Altitude: 47.292° Azimuth: 137.788° Azimuth to Scan 0 = -108.717°

Scan position '19'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 20: 3.1 mm

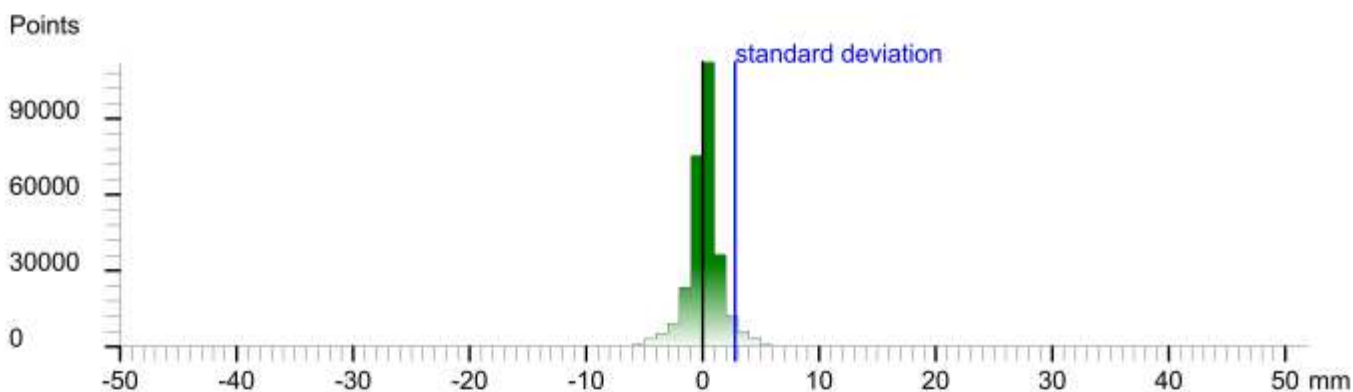
Result registration from 20. Cloud to cloud standard deviation:2.7 mm

Deviation histogram



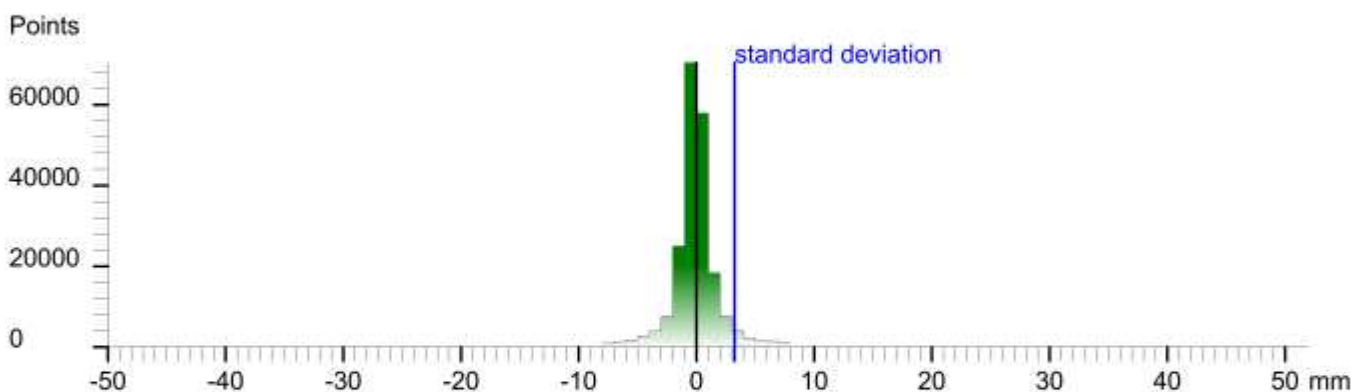
Result registration to 18. Cloud to cloud standard deviation:2.8 mm

Deviation histogram



Result registration to 14. Cloud to cloud standard deviation:3.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 19'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 10:25:48 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "19" -file "Casa Col.Sc. 19" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -ffrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 `barometer magnetometer translation rotation gps`

Barometer: 1.013202 bar 0.397029 m

Magnetometer: -37.5000 6.5000 -95.3000

nav translation: 3.7307 m 0.4698 m 1.1092 m accuracies: 6.9699 m 6.9699 m 0.0002 m

nav rotation: 0.7706 0.8280 342.0423 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439579 long:29.049021 satellites:8 height:59.6m hdop:0.9 vdop:1.1m hacc:5.8m vacc:8.1 utc:26634 flags:G3 'stand alone 3D solution'

north:5032319.112 m east:582044.186 m zone:35T

Initial pre position (3:outdoor)

0.951185	-0.308283	0.014452	-30.9974	m
0.308472	0.951136	-0.013447	7.5958	m
-0.009600	0.017249	0.999805	-13.4434	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 47.985° Azimuth: 139.725° Azimuth to Scan 0 = -234.483°

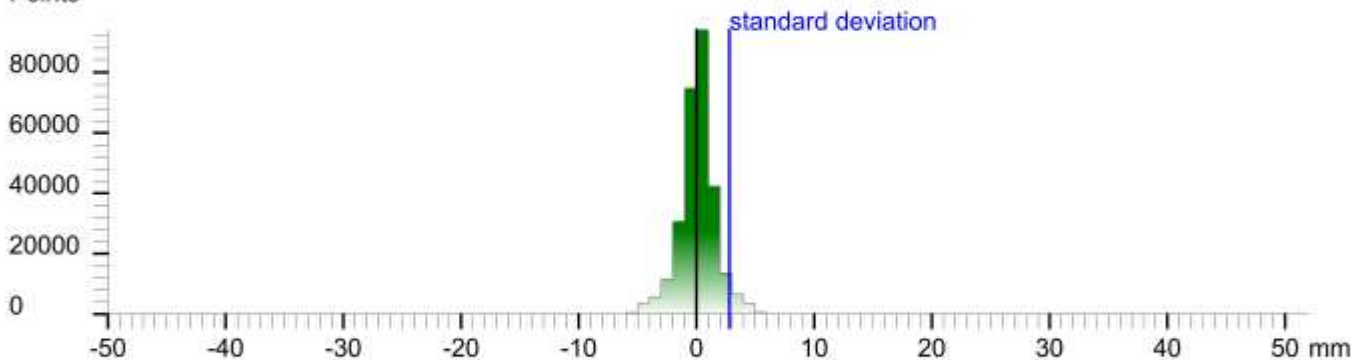
Scan position '2'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 1: 3.2 mm

Result registration from 1. Cloud to cloud standard deviation:2.8 mm

Deviation histogram

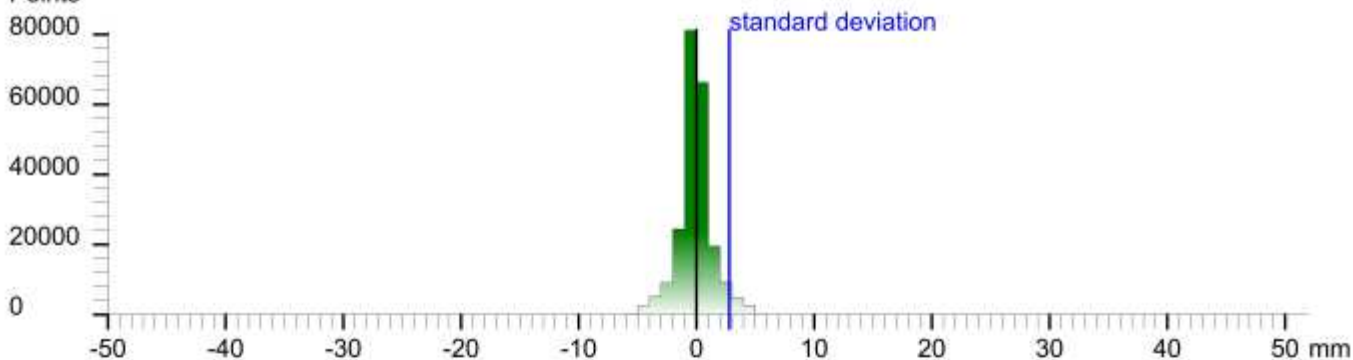
Points



Result registration to 3. Cloud to cloud standard deviation:2.8 mm

Deviation histogram

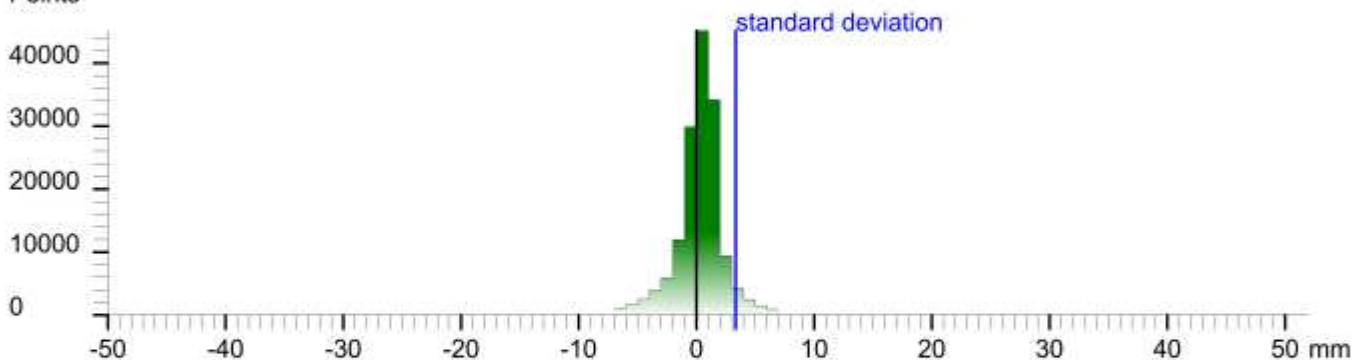
Points



Result registration to 10. Cloud to cloud standard deviation:3.3 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 2'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 08:33:53 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "2" -file "Casa Col.Sc. 2" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15484 ^ barometer magnetometer translation rotation gps

Barometer: 1.011565 bar 14.0343 m

Magnetometer: -64.2000 34.6000 -99.1000

nav translation: -0.2920 m 2.9951 m 14.6911 m accuracies: 6.5736 m 6.5738 m 0.0004 m

nav rotation: -0.8623 0.6466 246.4104 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439541 long:28.049515 satellites:8 height:61.7m hdop:0.9 vdop:1.2m hacc:3.4m vacc:4.3 utc:19919 flags:G3 'stand alone 3D solution'

north:5032315.378 m east:582082.677 m zone:35T

Initial pre position (3:outdoor)

-0.400157	-0.916377	0.011284	7.6935	m
0.916400	-0.399982	0.015048	3.8783	m
-0.009277	0.016363	0.999823	0.1385	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 31.882° Azimuth: 110.093° Azimuth to Scan 0 = -137.236°

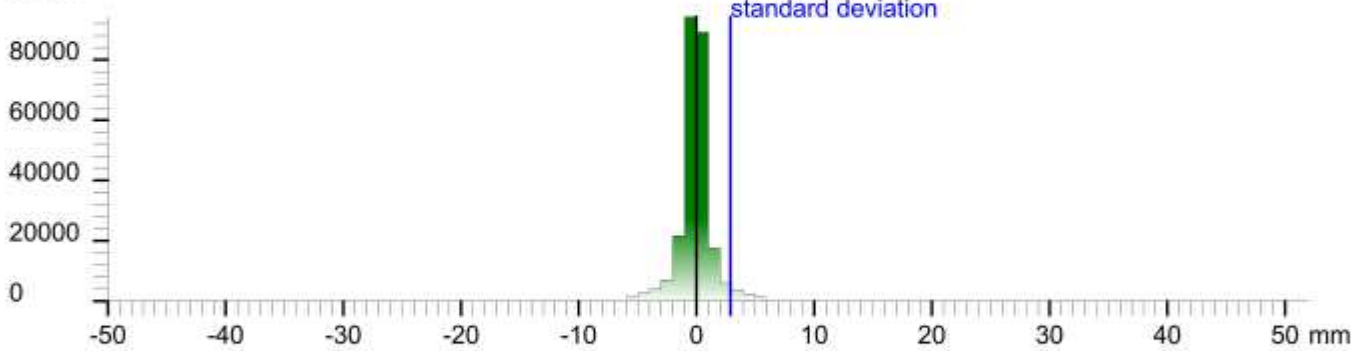
Scan position '20'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 23: 2.8 mm

Result registration from 23. Cloud to cloud standard deviation: 2.9 mm

Deviation histogram

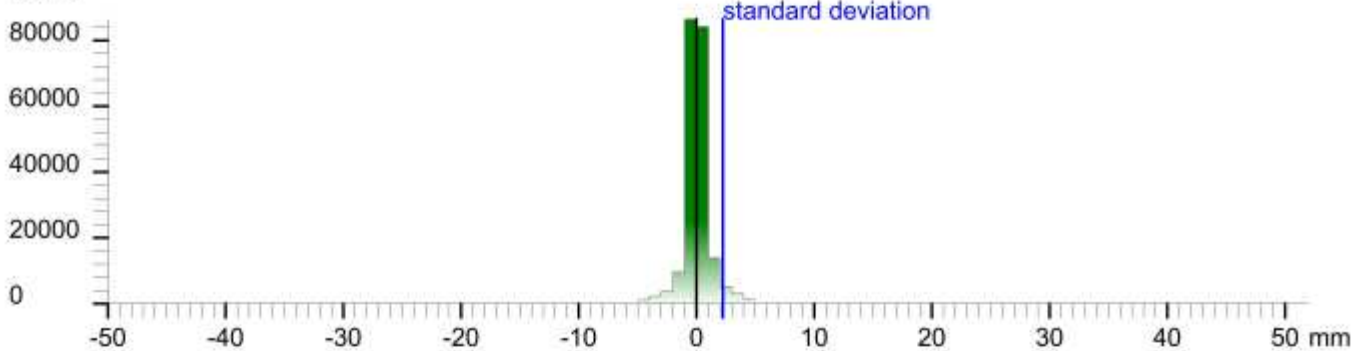
Points



Result registration to 21. Cloud to cloud standard deviation: 2.2 mm

Deviation histogram

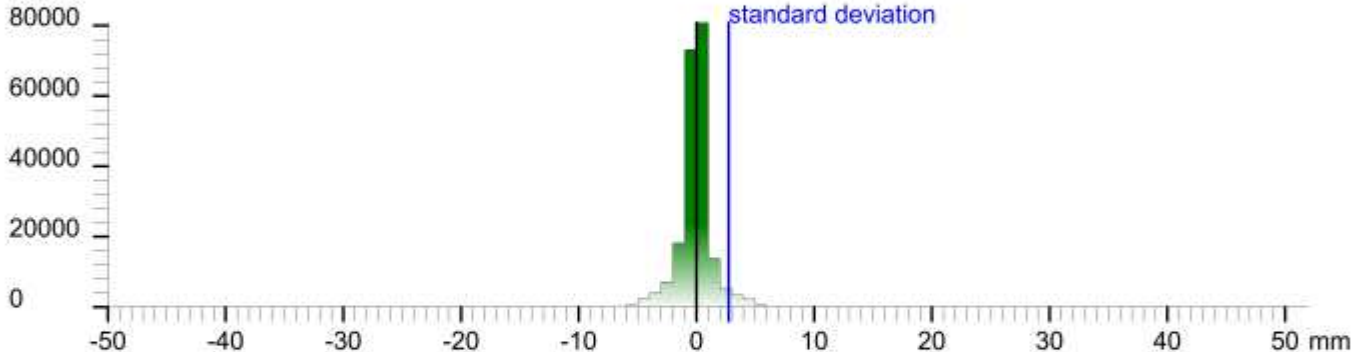
Points



Result registration to 19. Cloud to cloud standard deviation: 2.7 mm

Deviation histogram

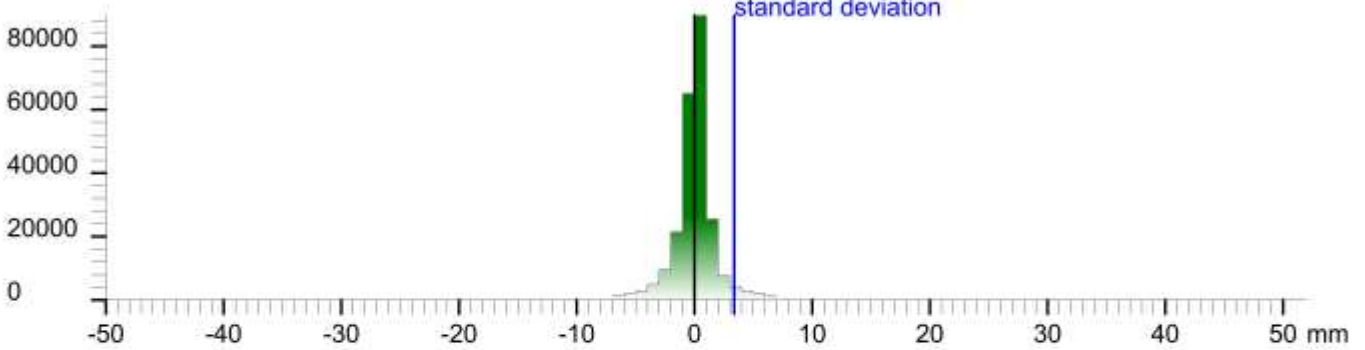
Points



Result registration to 6. Cloud to cloud standard deviation: 3.4 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 20'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 10:32:28 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "20" -file "Casa Col.Sc. 20" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480° barometer magnetometer translation rotation

Barometer: 1.013389 bar -1.15604 m

Magnetometer: -39.3000 -1.8000 -91.8000

nav translation: 3.2649 m 1.5550 m -1.1547 m accuracies: 6.8532 m 6.8532 m 0.0003 m

nav rotation: 0.4275 0.9580 323.9008 accuracies: 0.0000 0.0000 53.8138

upside-down: no

Initial pre position (3:outdoor)

0.807885	-0.589103	0.016720	-27.7326	m
0.589270	0.807902	-0.007460	9.1508	m
-0.009113	0.015879	0.999832	-15.7073	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

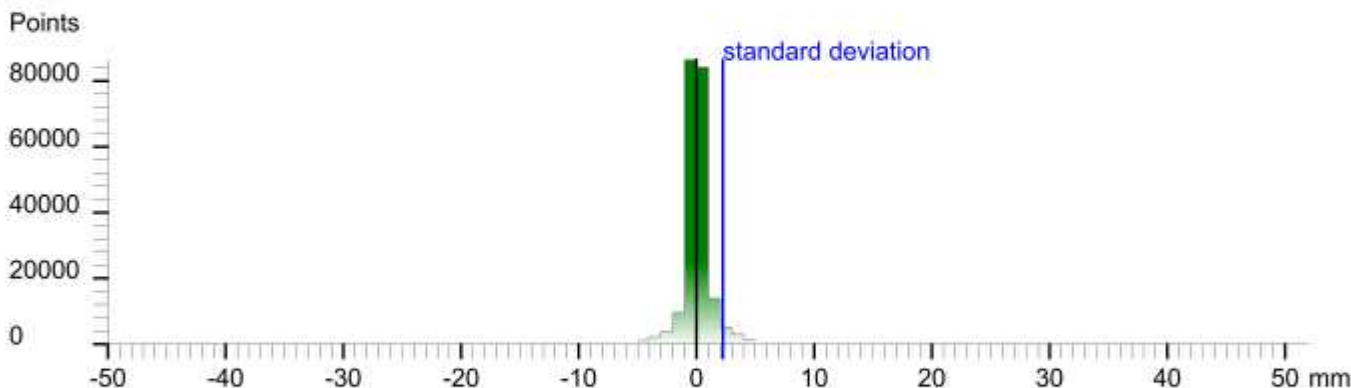
Sun position info: Altitude: 48.758° Azimuth: 142.046° Azimuth to Scan 0 = -215.924°

Scan position '21'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 20: 2.3 mm

Result registration from 20. Cloud to cloud standard deviation:2.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 21'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 10:39:05 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "21" -file "Casa Col.Sc. 21" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "161" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps

Barometer: 1.013312 bar -0.51698 m

Magnetometer: -45.8000 2.8000 -92.1000

nav translation: 0.2464 m 2.1622 m -0.2688 m accuracies: 6.1306 m 6.1306 m 0.0001 m

nav rotation: 0.6250 0.8961 333.5295 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439510 long:28.048841 satellites:8 height:41.0m hdop:1.0 vdop:1.6m hacc:10.0m vacc:14.0 utc:27430 flags:D3 'differential 3D solution'

north:5032311.301 m east:582030.263 m zone:35T

Initial pre position (3-outdoor)

0.895055	-0.445682	0.015639	-44.9752	m
0.445863	0.895035	-0.010908	-0.2535	m
-0.009136	0.016736	0.999618	-14.8214	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 49.491° Azimuth: 144.430° Azimuth to Scan 0 = -198.149°

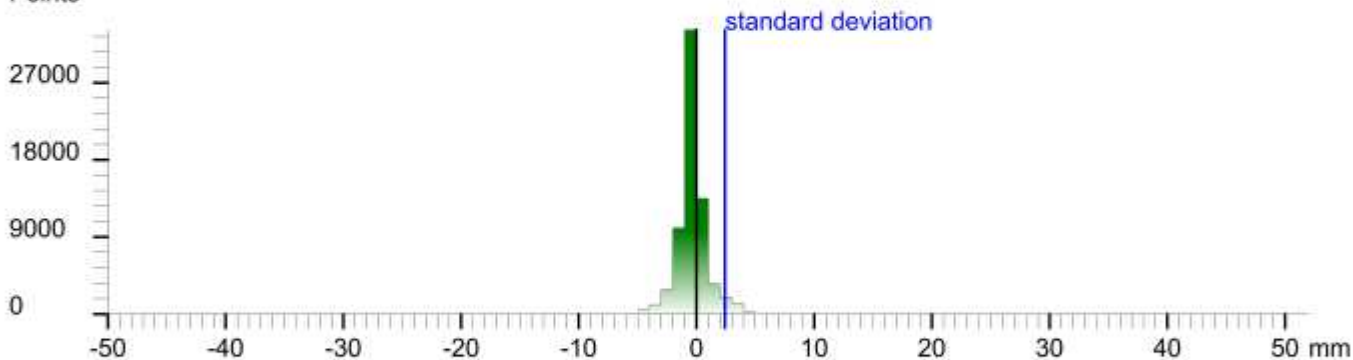
Scan position '22'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 51: 2.2 mm

Result registration from 51. Cloud to cloud standard deviation:2.4 mm

Deviation histogram

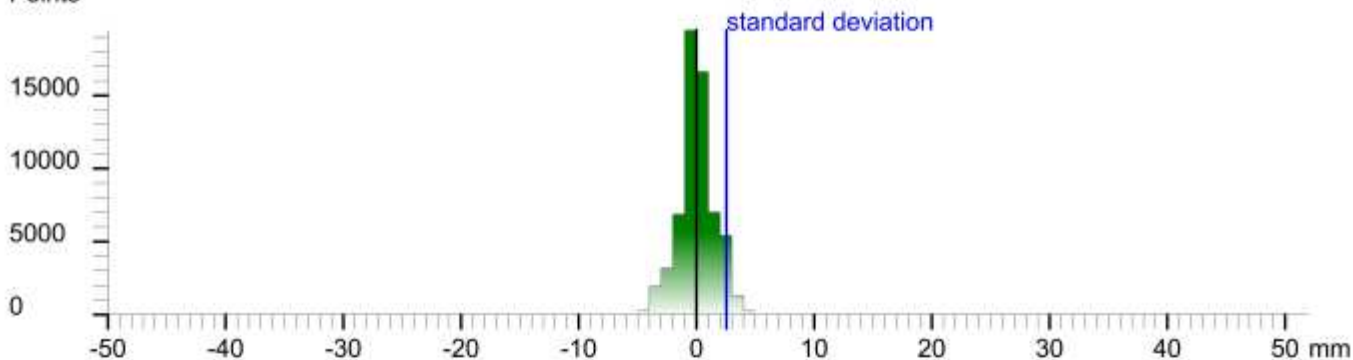
Points



Result registration to 25. Cloud to cloud standard deviation:2.5 mm

Deviation histogram

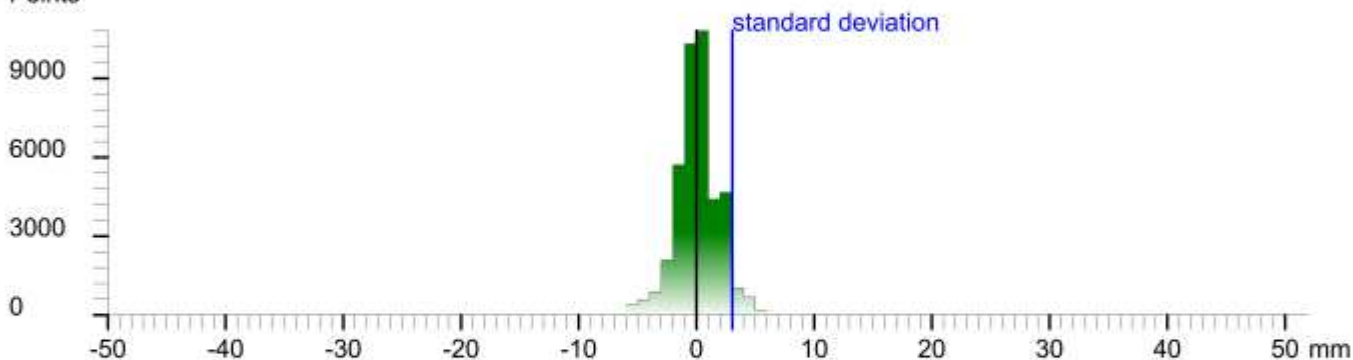
Points



Result registration to 82. Cloud to cloud standard deviation:3.0 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 22'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 10:48:46 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "22" -file "Casa Col.Sc. 22" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -ffrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 `barometer magnetometer translation rotation gps`

Barometer: 1.013454 bar -1.69584 m

Magnetometer: -20.6000 23.9000 -91.2000

nav translation: 11.0542 m 7.7218 m -2.1781 m accuracies: 11.9424 m 11.9424 m 0.0011 m

nav rotation: -0.4843 -0.9800 146.9091 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.437222 long:28.056677 satellites:6 height:115.3m hdop:1.3 vdop:2.1m hacc:49.0m vacc:28.0 utc:0 flags:G3 'stand alone 3D solution'

north:5032065.047 m east:582646.412 m zone:35T

Initial pre position (0:indoor)

-0.837683	0.545888	-0.017103	-33.9210	m
-0.546070	-0.837697	0.008451	7.4683	m
-0.009714	0.016419	0.999818	-16.7307	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 50.371° Azimuth: 147.591° Azimuth to Scan 0 = -274.555°

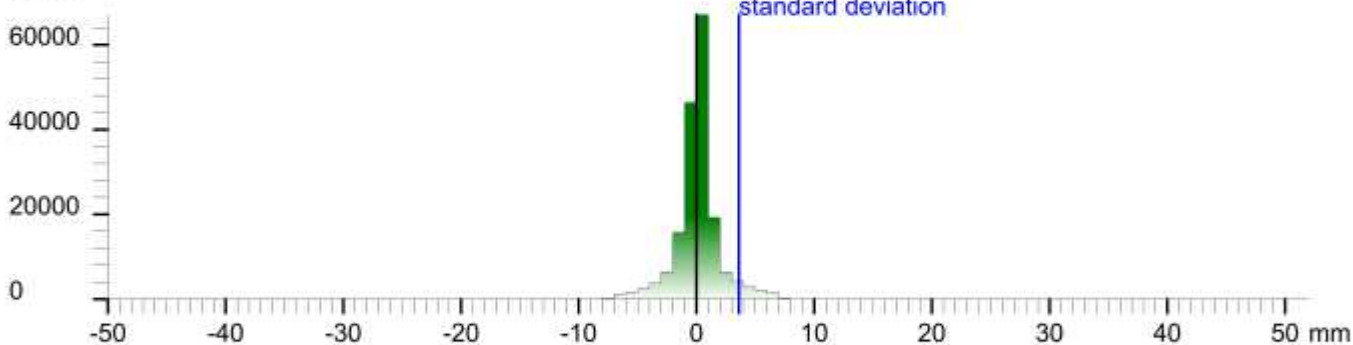
Scan position '23'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 24: 3.5 mm

Result registration from 24. Cloud to cloud standard deviation:3.6 mm

Deviation histogram

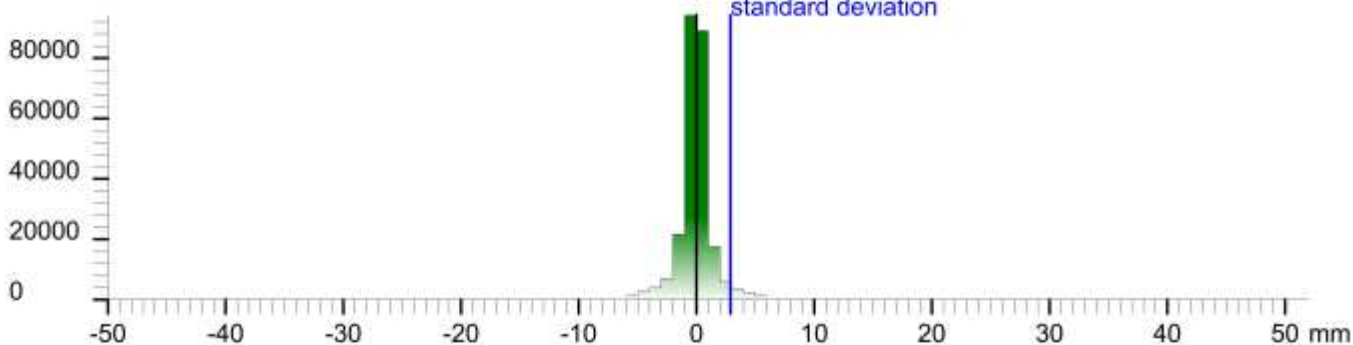
Points



Result registration to 20. Cloud to cloud standard deviation:2.9 mm

Deviation histogram

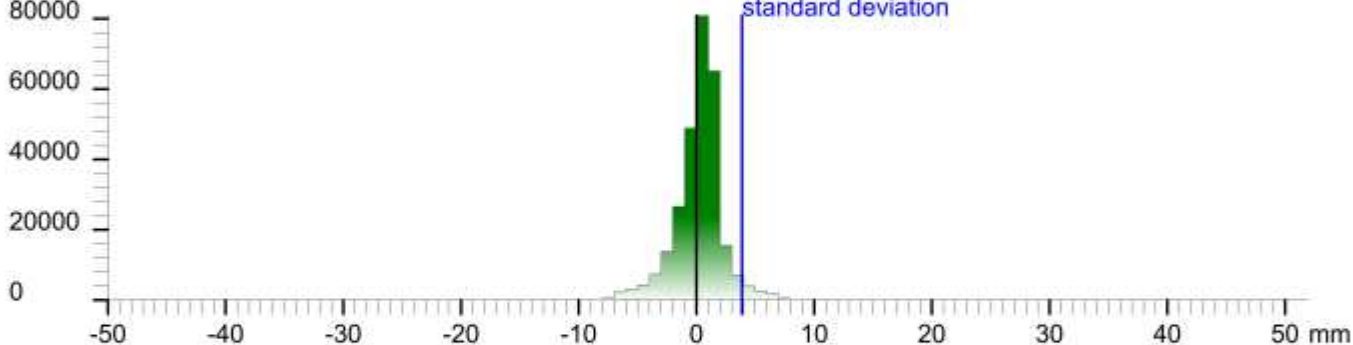
Points



Result registration to 5. Cloud to cloud standard deviation:3.9 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 23'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 10:56:01 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "23" -file "Casa Col.Sc. 23" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -ffrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15480 ° barometer magnetometer translation rotation

Barometer: 1.013459 bar -1.73851 m

Magnetometer: -40.7000 1.0000 -90.9000

nav translation: 0.7409 m 6.6712 m -1.8868 m accuracies: 8.3985 m 8.3985 m 0.0002 m

nav rotation: 0.1571 1.1229 -52.9916 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (3:outdoor)

0.601816	-0.798394	0.019598	-33.1801	m
0.798577	0.601886	-0.002741	14.1395	m
-0.009608	0.017300	0.999804	-16.4394	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 51.091° Azimuth: 150.489° Azimuth to Scan 0 = -207.250°

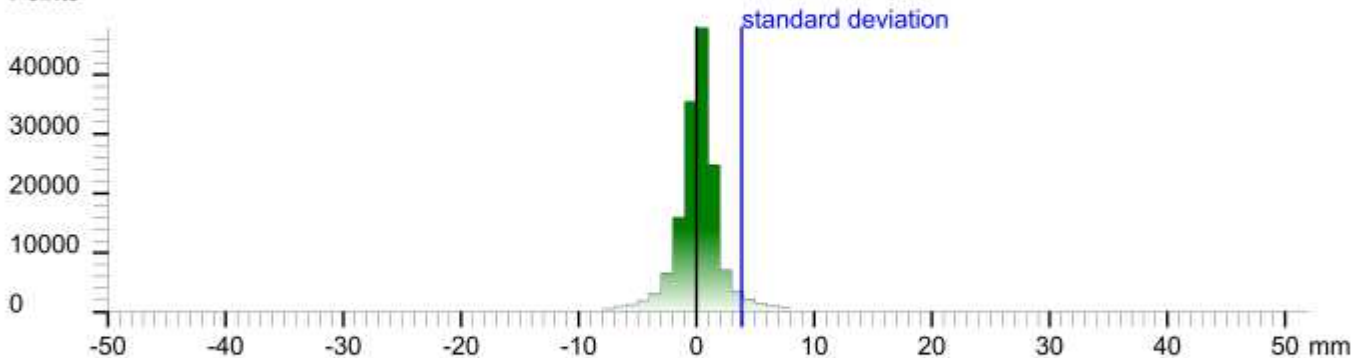
Scan position '24'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 36: 4.4 mm

Result registration from 36. Cloud to cloud standard deviation:3.8 mm

Deviation histogram

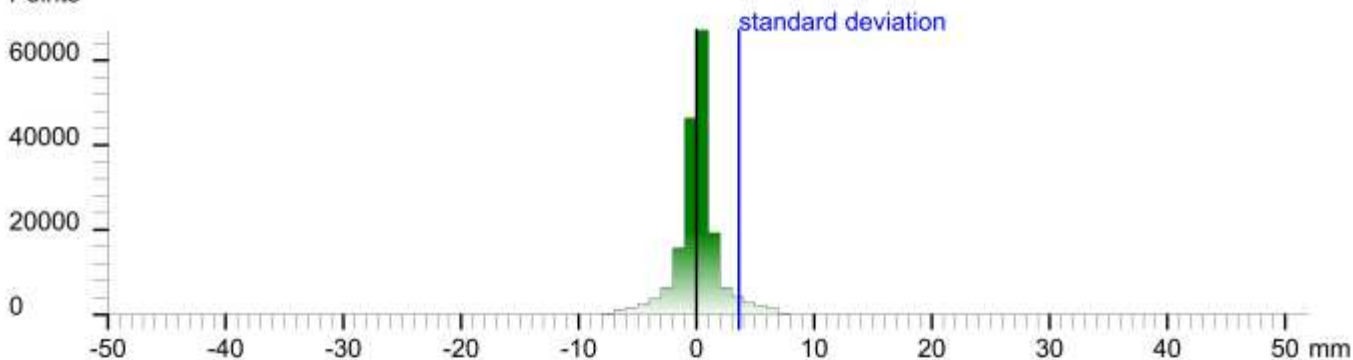
Points



Result registration to 23. Cloud to cloud standard deviation:3.6 mm

Deviation histogram

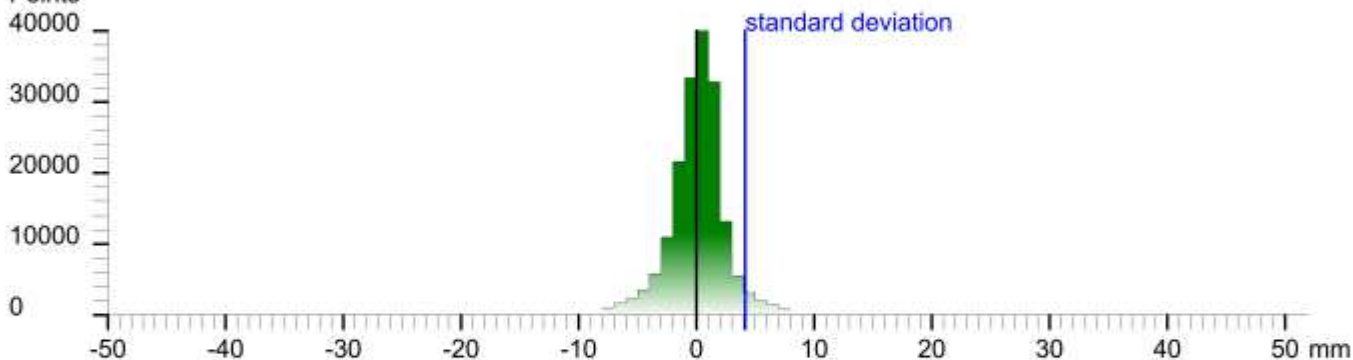
Points



Result registration to 4. Cloud to cloud standard deviation:4.1 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 24'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 11:02:08 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "24" -file "Casa Col.Sc. 24" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -ffrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 `barometer magnetometer translation rotation gps`

Barometer: 1.013490 bar -2.00046 m

Magnetometer: -57.1000 6.9000 -94.0000

nav translation: -1.1040 m 3.8365 m -1.7294 m accuracies: 7.0258 m 7.0258 m 0.0001 m

nav rotation: -0.5111 0.9292 270.6561 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439507 long:29.049393 satellites:8 height:78.6m hdop:1.2 vdop:1.5m hacc:7.8m vacc:9.5 utc:28813 flags:G3 'stand alone 3D solution'

north:5032311.440 m east:582073.380 m zone:35T

Initial pre position (3:outdoor)

0.011449	-0.999803	0.016217	-1.7988	m
0.999893	0.011594	0.008919	-0.0235	m
-0.009105	0.016113	0.999829	-16.2820	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

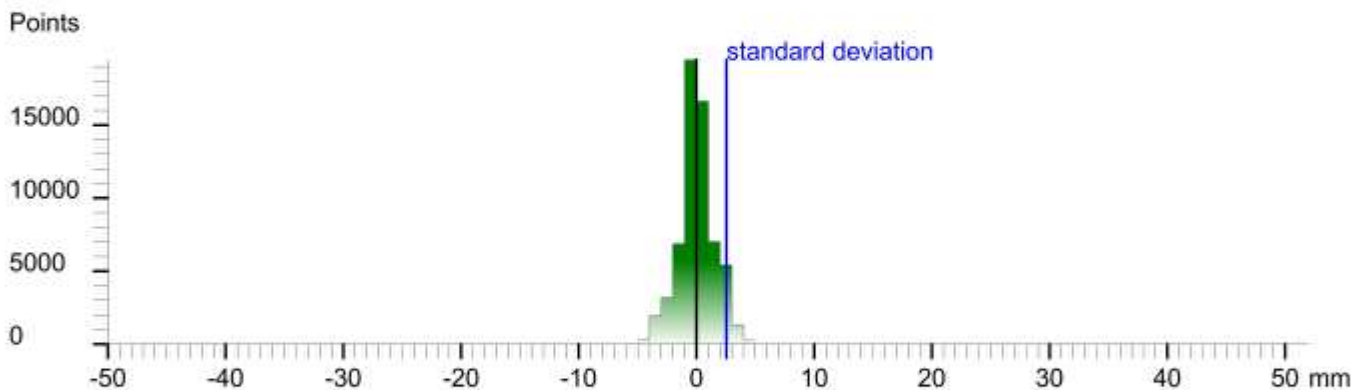
Sun position info: Altitude: 51.590° Azimuth: 152.716° Azimuth to Scan 0 = -158.176°

Scan position '25'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 22: 2.5 mm

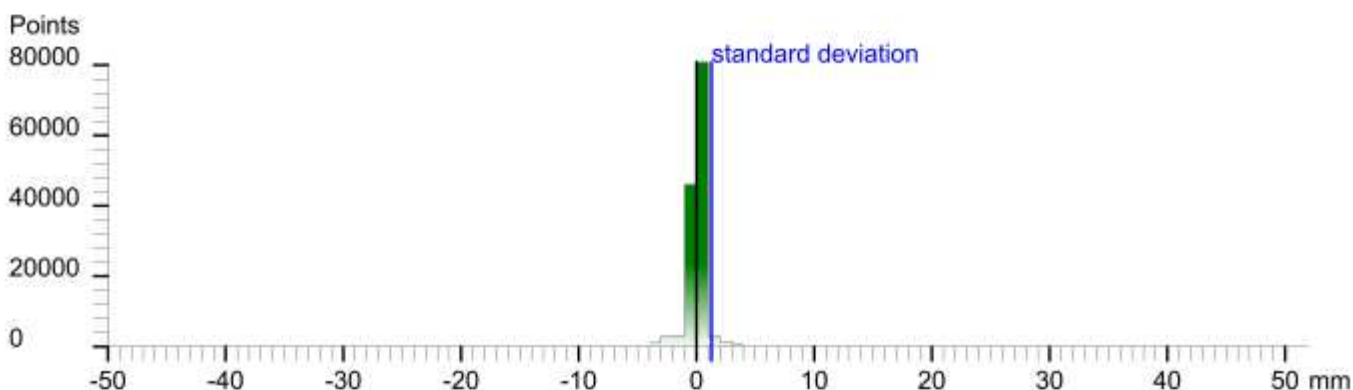
Result registration from 22. Cloud to cloud standard deviation:2.5 mm

Deviation histogram



Result registration to 26. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



Scan 'Casa Col.Sc. 25'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 11:10:33 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "25" -file "Casa Col.Sc. 25" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.013455 bar -1.70974 m
Magnetometer: -50.7000 -0.3000 -97.8000
nav translation: -6.6521 m 2.1419 m -1.8777 m accuracies: 8.6890 m 8.6890 m 0.0004 m
nav rotation: 1.0307 0.4348 8.1212 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (3:outdoor)
0.989943 0.141264 0.007589 -8.4509 m
-0.141110 0.989831 -0.017987 2.1185 m
-0.010053 0.016735 0.999809 -16.4304 m
0.000000 0.000000 0.000000 1.0000 m

Level system info: Level available.

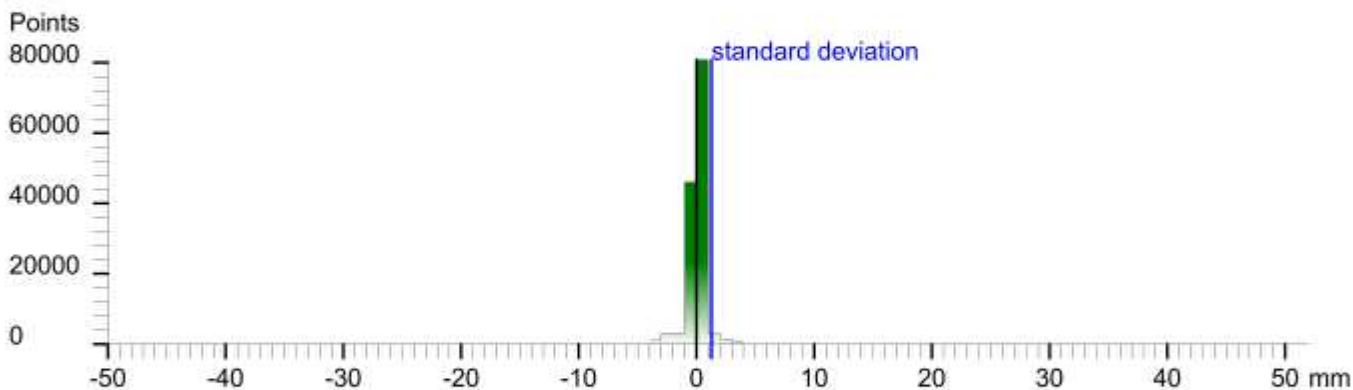
Sun position info: Altitude: 52.198° Azimuth: 155.753° Azimuth to Scan 0 = -178.129°

Scan position '26'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 25: 1.4 mm

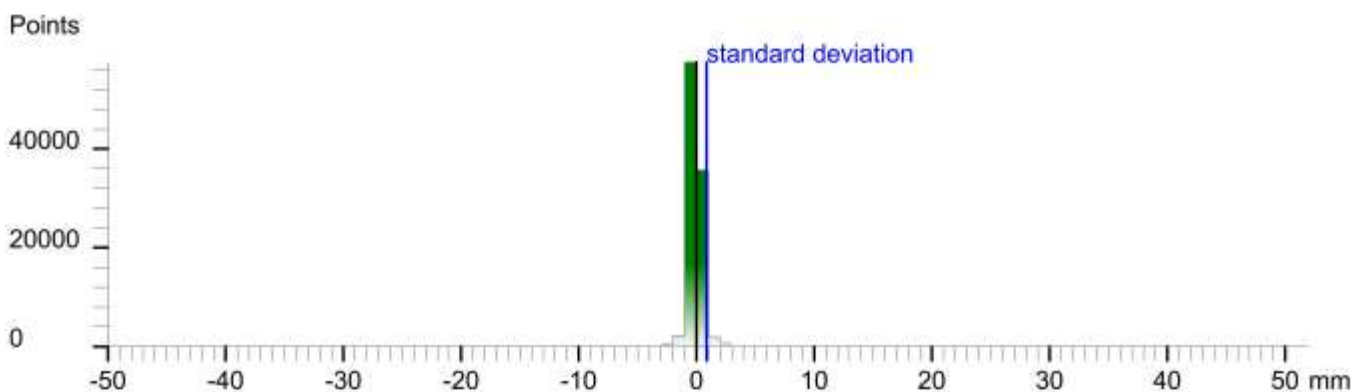
Result registration from 25. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



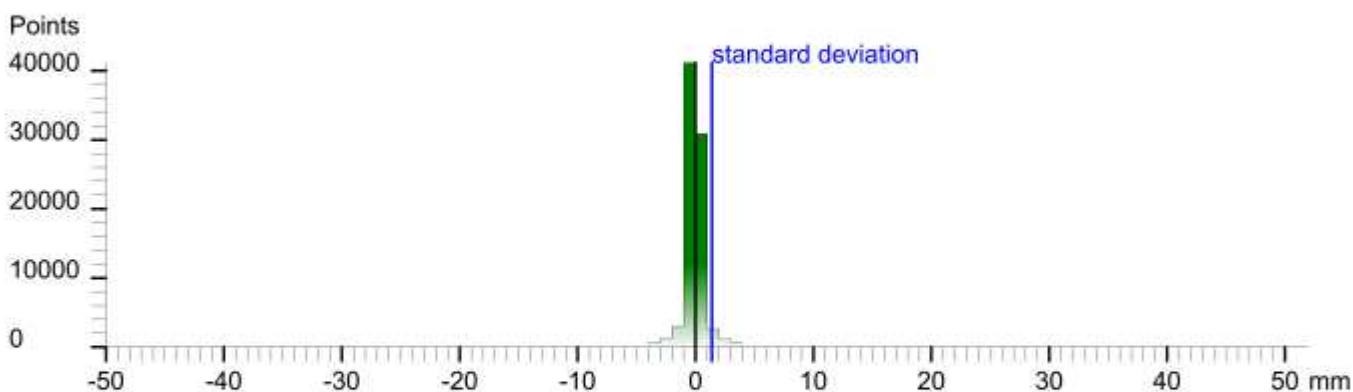
Result registration to 27. Cloud to cloud standard deviation:0.9 mm

Deviation histogram



Result registration to 31. Cloud to cloud standard deviation:1.4 mm

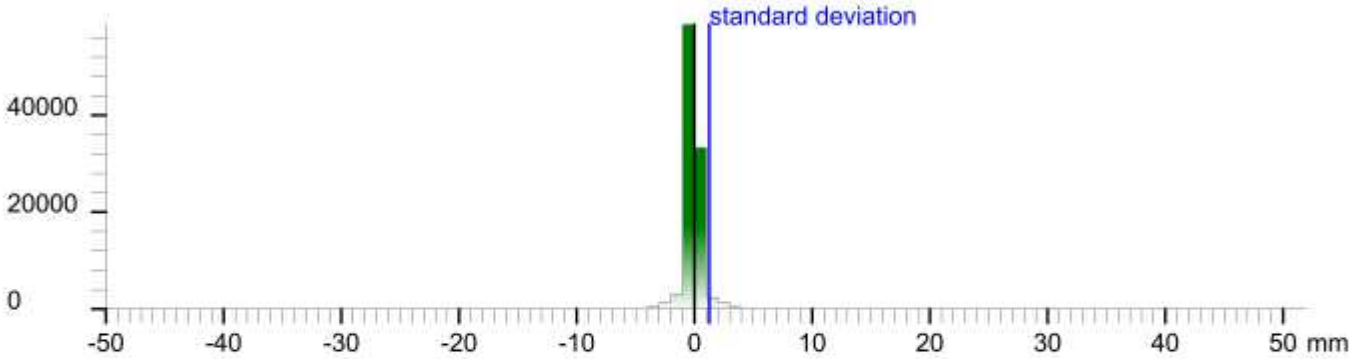
Deviation histogram



Result registration to 52. Cloud to cloud standard deviation:1.3 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 26'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 11:17:11 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "26" -file "Casa Col.Sc. 26" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 ° barometer magnetometer translation rotation

Barometer: 1.013684 bar -3.81469 m

Magnetometer: -37.3000 58.3000 -97.2000

nav translation: -1.7117 m 1.4099 m -2.7780 m accuracies: 6.1313 m 6.1313 m 0.0005 m

nav rotation: 1.0328 0.1104 22.2811 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0:indoor)

0.925333	0.379150	0.001927	-10.1626	m
-0.379057	0.925198	-0.018024	3.5283	m
-0.008617	0.015948	0.999836	-17.3306	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

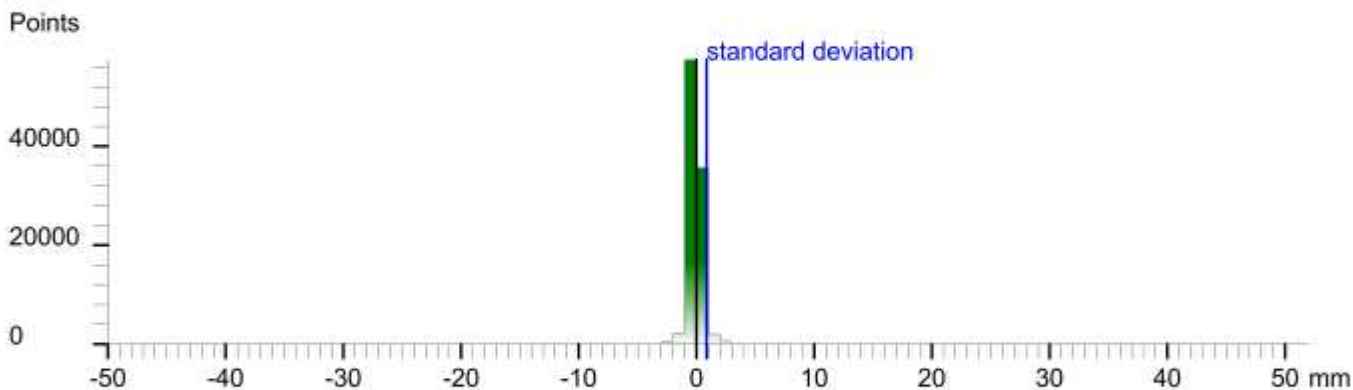
Sun position info: Altitude: 52.674° Azimuth: 158.472° Azimuth to Scan 0 = -376.193°

Scan position '27'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 26: 0.9 mm

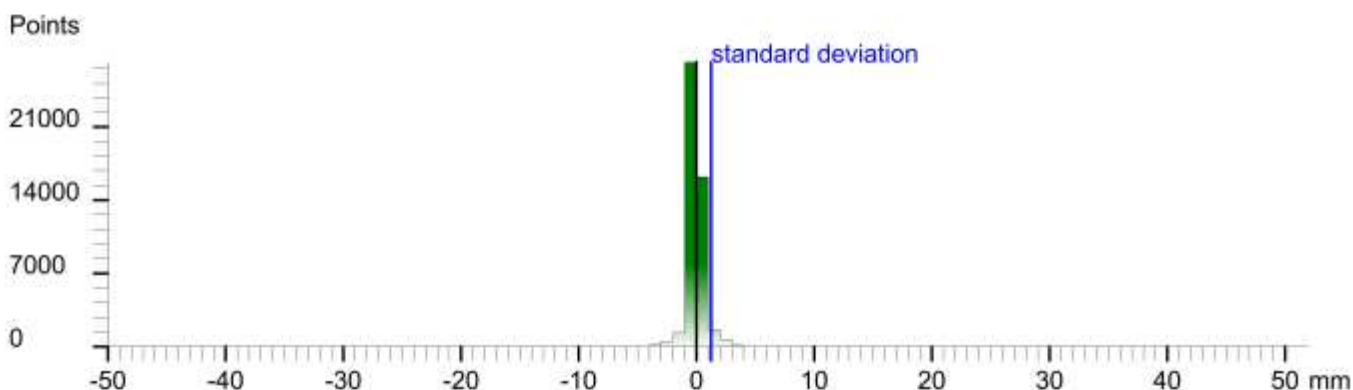
Result registration from 26. Cloud to cloud standard deviation:0.9 mm

Deviation histogram



Result registration to 28. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



Scan 'Casa Col.Sc. 27'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 11:23:57 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "27" -file "Casa Col.Sc. 27" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.013495 bar -2.03817 m
Magnetometer: -31.2000 49.3000 -97.4000
nav translation: 1.0459 m 1.9339 m -2.3219 m accuracies: 6.1430 m 6.1430 m 0.0001 m
nav rotation: -0.2000 -1.0673 127.5273 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.609033	0.792926	-0.018627	-9.1168	m
-0.793098	-0.609084	0.003490	5.4622	m
-0.008578	0.016896	0.999620	-16.8746	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

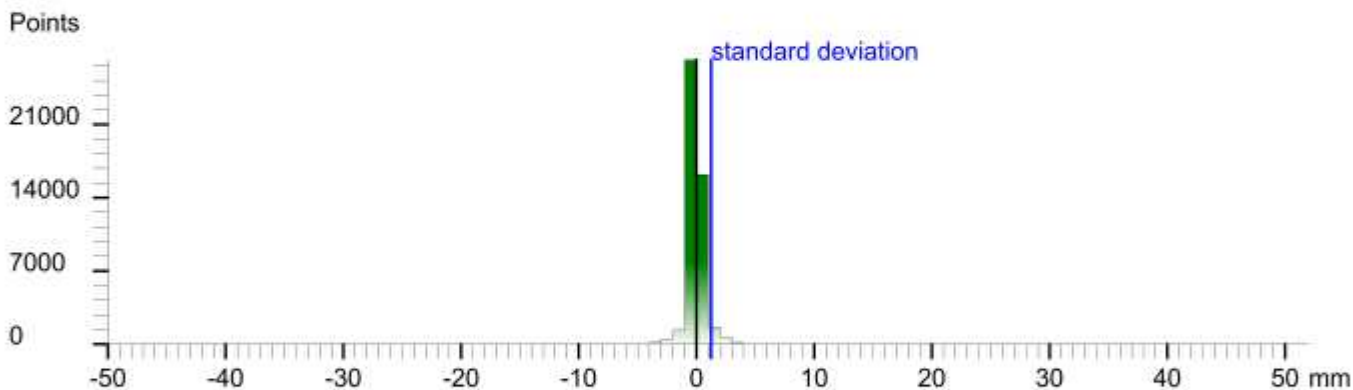
Sun position info: Altitude: 53.038° Azimuth: 160.844° Azimuth to Scan 0 = -349.401°

Scan position '28'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 27: 1.2 mm

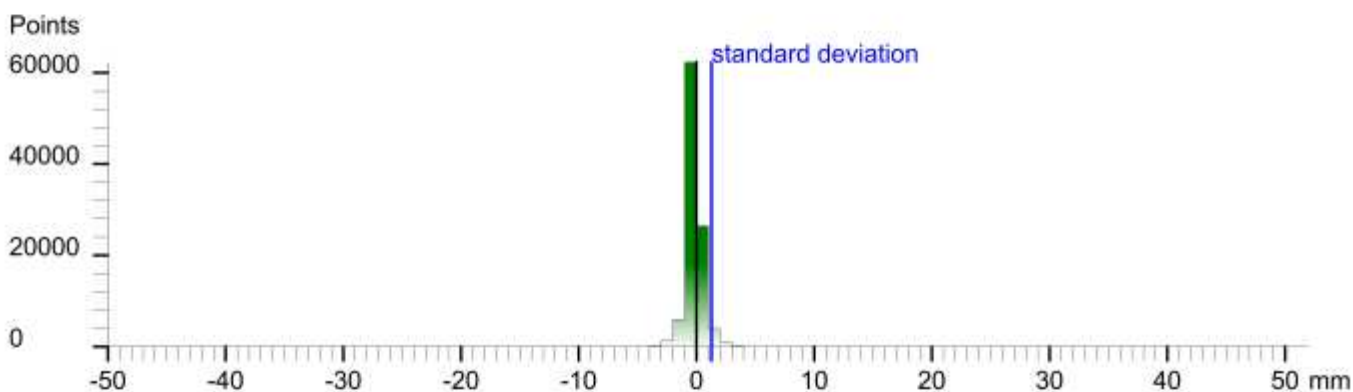
Result registration from 27. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



Result registration to 29. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



Scan 'Casa Col.Sc. 28'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 11:33:29 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "28" -file "Casa Col.Sc. 28" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.012985 bar 2.20345 m
Magnetometer: -40.9000 52.2000 -96.1000
nav translation: -1.3172 m -1.4624 m 1.7270 m accuracies: 6.0337 m 6.0337 m 0.0001 m
nav rotation: -1.0023 0.3929 231.7824 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)
-0.618636 -0.785648 0.006858 -10.4339 m
0.785621 -0.618461 0.017492 3.9998 m
-0.009502 0.016209 0.999623 -12.8256 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

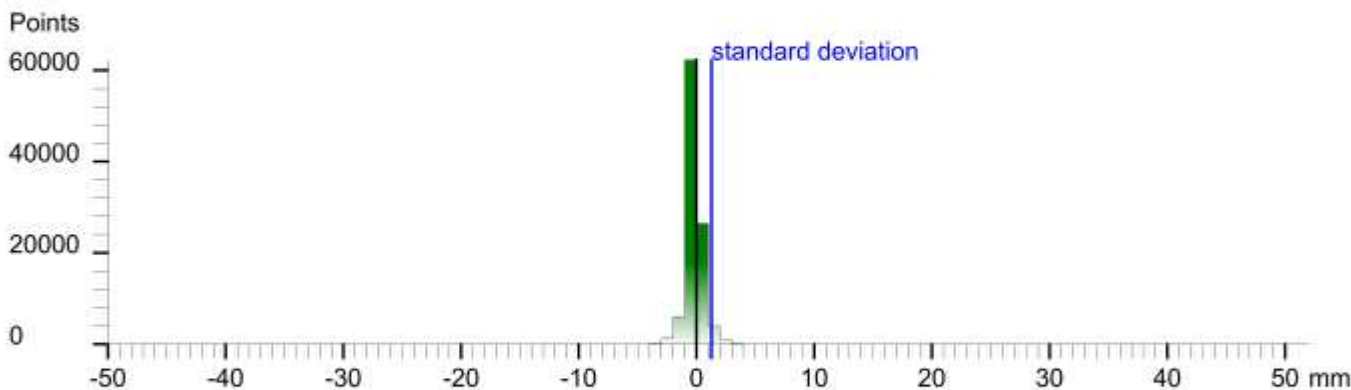
Sun position info: Altitude: 53.553° Azimuth: 164.875° Azimuth to Scan 0 = -22.399°

Scan position '29'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 28: 1.3 mm

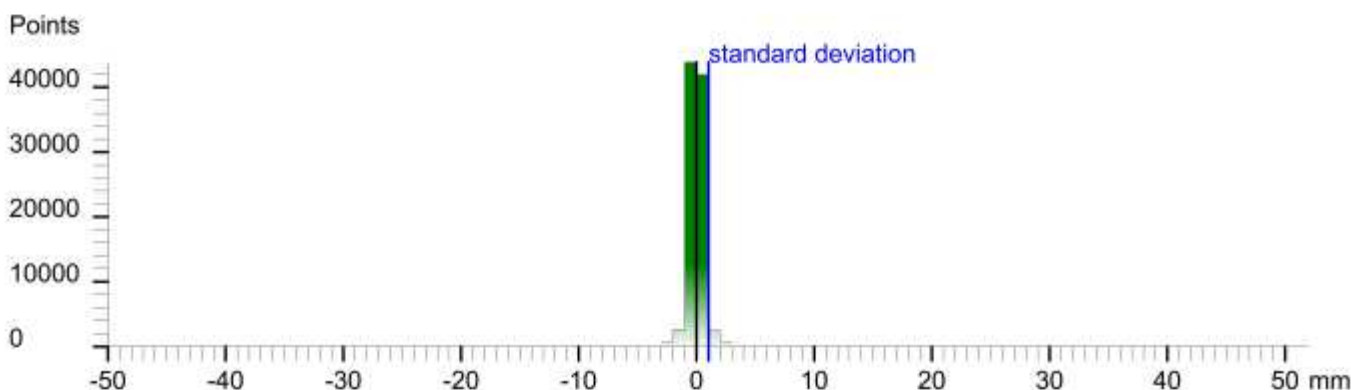
Result registration from 28. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



Result registration to 30. Cloud to cloud standard deviation:1.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 29'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 11:39:24 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "29" -file "Casa Col.Sc. 29" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.012869 bar 3.17428 m
Magnetometer: -42.9000 54.9000 -95.9000
nav translation: -2.1241 m 3.0593 m 3.1481 m accuracies: 6.9355 m 6.9355 m 0.0001 m
nav rotation: -1.0469 0.3878 230.6752 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)
-0.633702 -0.773548 0.006768 -12.5560 m
0.773515 -0.633515 0.018271 7.0591 m
-0.009846 0.016813 0.999810 -11.4046 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

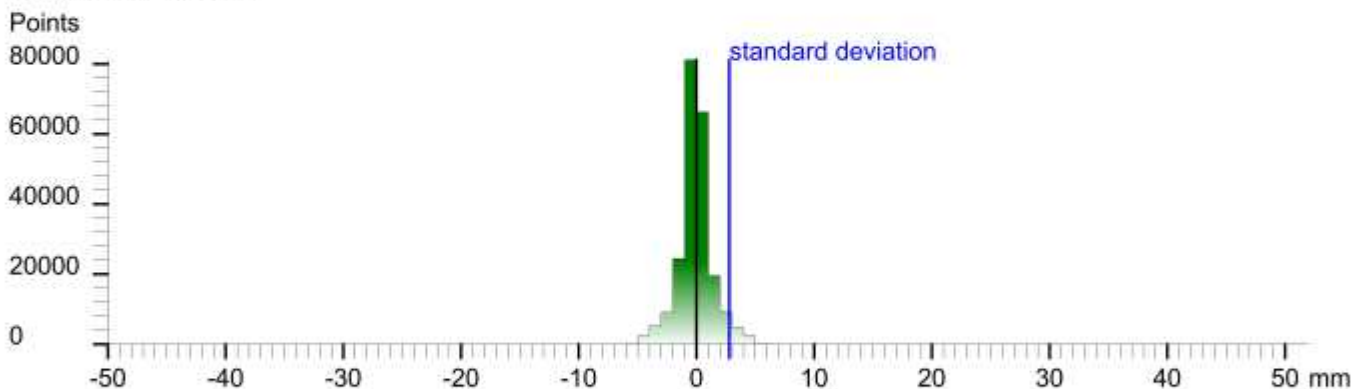
Sun position info: Altitude: 53.804° Azimuth: 167.334° Azimuth to Scan 0 = -21.795°

Scan position '3'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 2: 2.9 mm
from 38: 3.4 mm

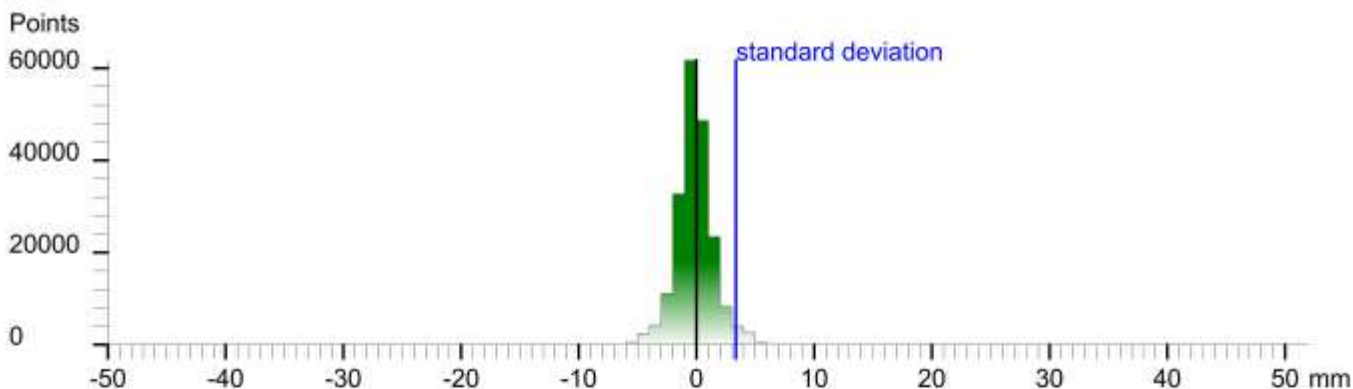
Result registration from 2. Cloud to cloud standard deviation:2.8 mm

Deviation histogram



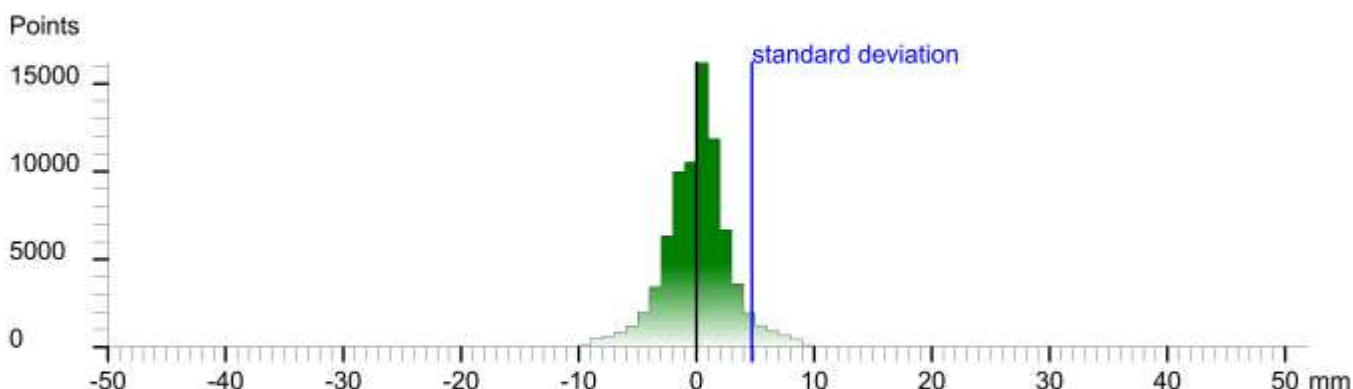
Result registration from 38. Cloud to cloud standard deviation:3.3 mm

Deviation histogram



Result registration to 4. Cloud to cloud standard deviation:4.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 3'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 08:40:36 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "3" -file "Casa Col.Sc. 3" -path "Casa Colectiilor GL." -project "Casa Colectiilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -from "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.011616 bar 13.614 m
Magnetometer: -36.6000 53.2000 -95.7000
nav translation: -2.7938 m 4.0111 m 13.5645 m accuracies: 7.5412 m 7.5412 m 0.0006 m
nav rotation: -0.9244 -0.5623 176.0913 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439648 long:28.049515 satellites:8 height:59.8m hdop:1.0 vdop:1.3m hacc:4.1m vacc:4.4 utc:20321 flags:G3 'stand alone 3D solution'
north:5032327.245 m east:582082.722 m zone:35T
Initial pre position (3.outdoor)

-0.997626	0.068163	-0.009815	7.5383	m
-0.068316	-0.997533	0.016132	15.7655	m
-0.008691	0.016765	0.999622	-0.9881	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

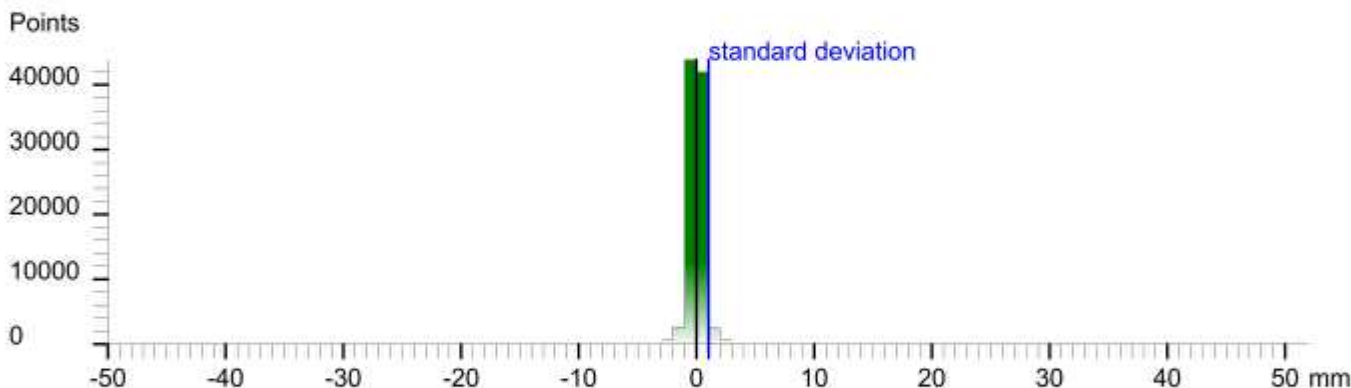
Sun position info: Altitude: 33.027° Azimuth: 111.619° Azimuth to Scan 0 = -427.023°

Scan position '30'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 29: 0.9 mm

Result registration from 29. Cloud to cloud standard deviation:1.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 30'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 11:44:59 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "30" -file "Casa Col.Sc. 30" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation

Barometer: 1.012522 bar 6.05853 m

Magnetometer: -60.4000 27.6000 -93.7000

nav translation: -0.8722 m -0.7003 m 5.6066 m accuracies: 5.6126 m 5.6126 m 0.0003 m

nav rotation: -0.2212 1.0701 286.1139 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0:indoor)

0.277499	-0.960544	0.018677	-13.4302	m
0.960685	0.277614	0.003860	6.3589	m
-0.008893	0.016871	0.999818	-8.9460	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

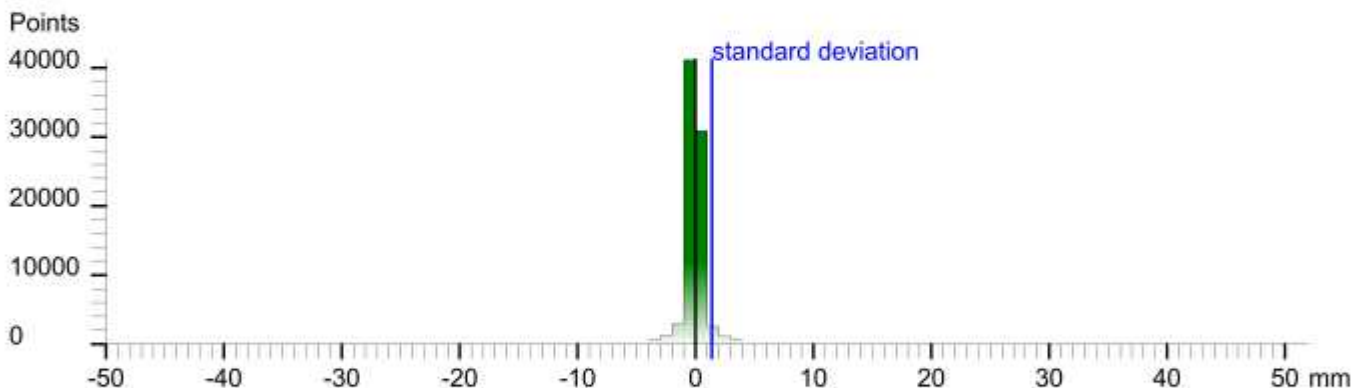
Sun position info: Altitude: 53.980° Azimuth: 169.402° Azimuth to Scan 0 = -77.551°

Scan position '31'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 26: 1.6 mm

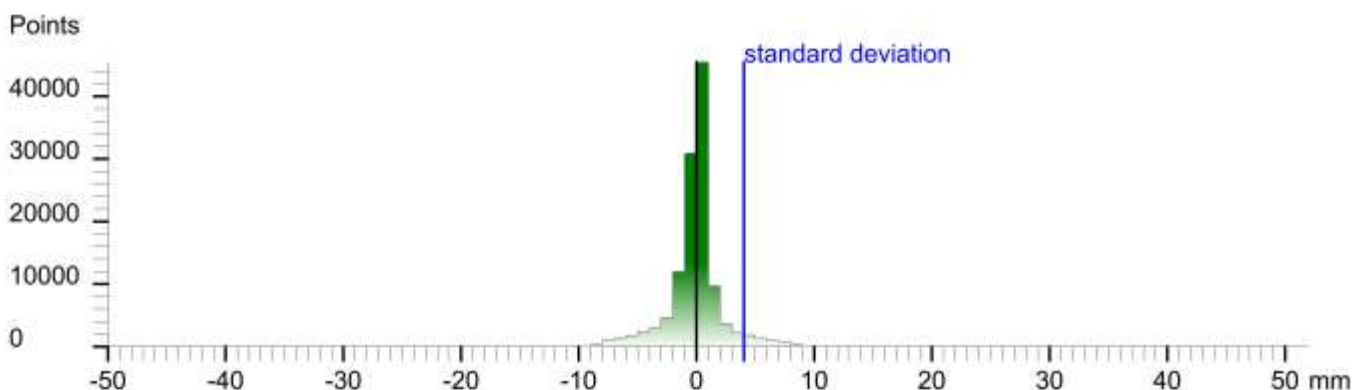
Result registration from 26. Cloud to cloud standard deviation:1.4 mm

Deviation histogram



Result registration to 32. Cloud to cloud standard deviation:4.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 31'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 11:50:24 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "31" -file "Casa Col.Sc. 31" -path "Casa Colectilior GL" -project "Casa Colectilior GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.012364 bar 7.37532 m
Magnetometer: -20.5000 35.9000 -94.7000
nav translation: 0.1601 m -3.9027 m 7.1773 m accuracies: 7.0376 m 7.0376 m 0.0002 m
nav rotation: -0.6451 -0.8133 156.3176 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.915694	0.401626	-0.014194	-13.2701	m
-0.401787	-0.915664	0.011257	2.4561	m
-0.008475	0.016011	0.999638	-7.3753	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

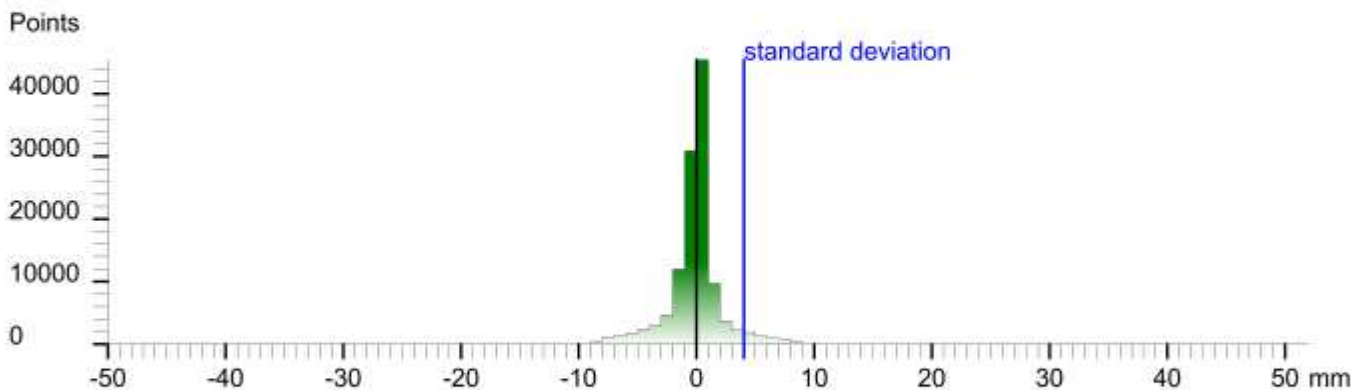
Sun position info: Altitude: 54.149° Azimuth: 171.904° Azimuth to Scan 0 = -307.787°

Scan position '32'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 31: 4.0 mm

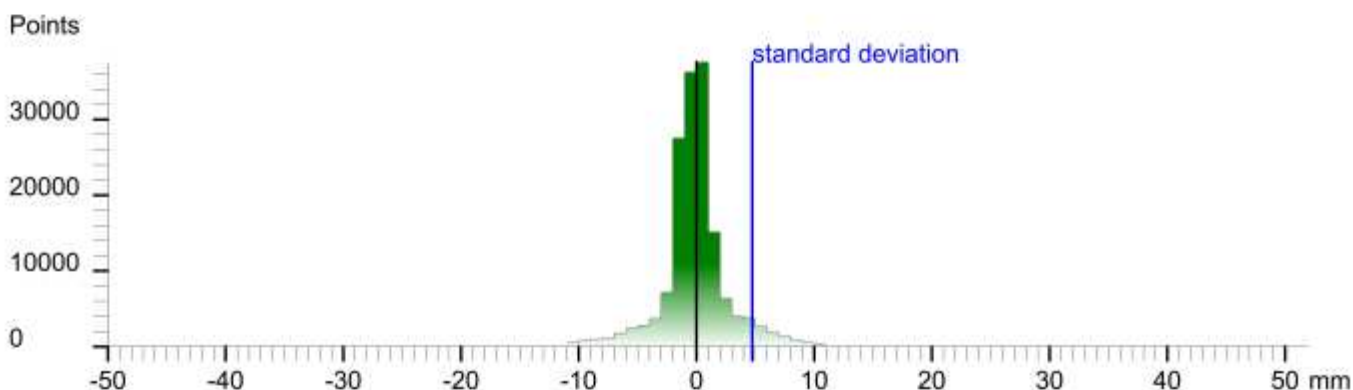
Result registration from 31. Cloud to cloud standard deviation:4.0 mm

Deviation histogram



Result registration to 33. Cloud to cloud standard deviation:4.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 32'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 11:55:00 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "32" -file "Casa Col.Sc. 32" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.012275 bar 8.12019 m
Magnetometer: -26.1000 48.0000 -91.7000
nav translation: -0.9666 m -0.4529 m 7.9350 m accuracies: 5.5381 m 5.5381 m 0.0002 m
nav rotation: -0.9541 -0.5518 179.5281 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.999920	0.008236	-0.009630	-14.2367	m
-0.008395	-0.999826	0.016650	2.0032	m
-0.009491	0.016730	0.999815	-6.8176	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

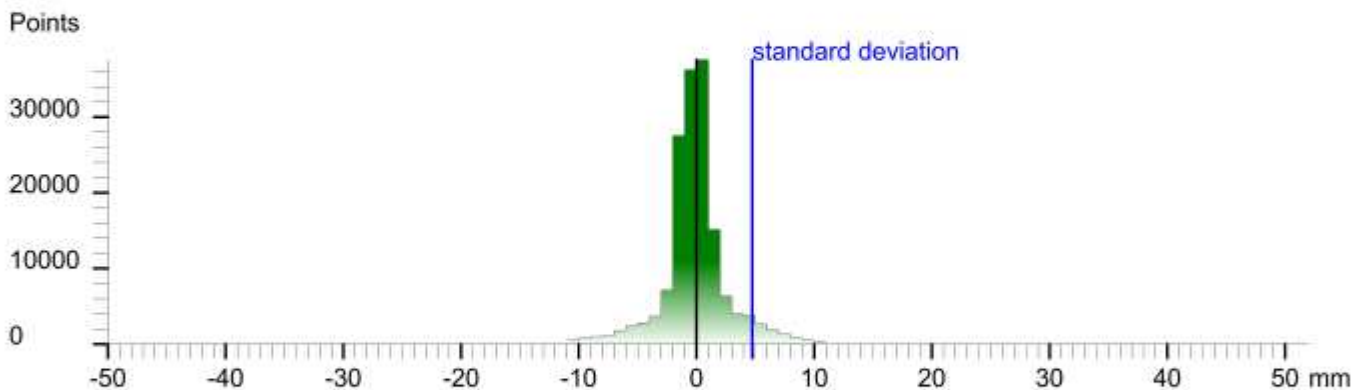
Sun position info: Altitude: 54.256° Azimuth: 174.002° Azimuth to Scan 0 = -331.421°

Scan position '33'

Scan position is member of group(s):
 Status registration 'registered with bundleadjustment with cloud to cloud'
 Optimized
 Connection standard deviation
 from 32: 4.7 mm

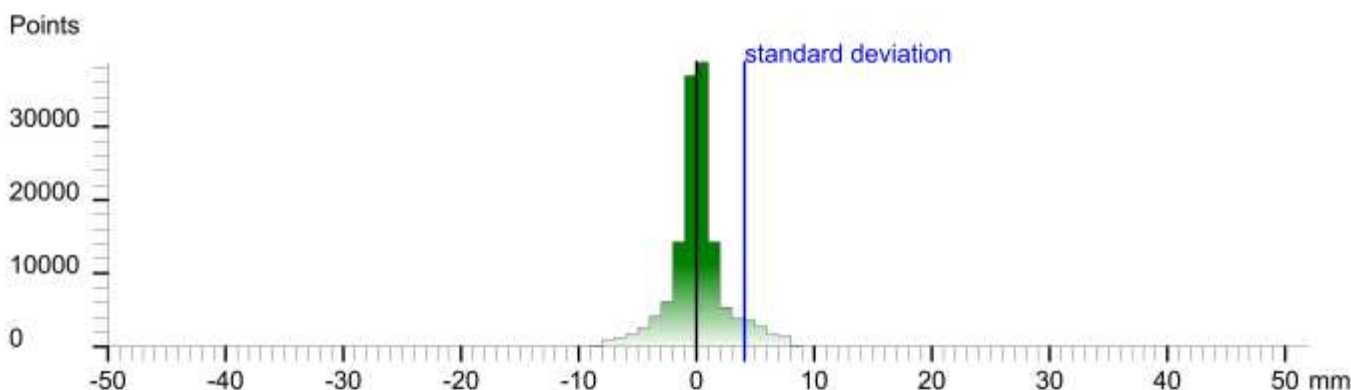
Result registration from 32. Cloud to cloud standard deviation:4.7 mm

Deviation histogram



Result registration to 34. Cloud to cloud standard deviation:4.1 mm

Deviation histogram



Scan 'Casa Col.Sc. 33'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
 Laser class of scanner: 1
 Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
 Scan taken at 12:03:41 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "33" -file "Casa Col.Sc. 33" -path "Casa Colectilior GL" -project "Casa Colectilior GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
 Barometer: 1.012275 bar 8.12217 m
 Magnetometer: -35.9000 4.5000 -92.4000
 nav translation: -1.8627 m 0.0277 m 8.1524 m accuracies: 5.9926 m 5.9926 m 0.0000 m
 nav rotation: 1.0568 -0.3457 46.6785 accuracies: 0.0000 0.0000 15.0000
 upside-down: no
 Initial pre position (0:indoor)

0.686079	0.727502	-0.006034	-16.0994	m
-0.727468	0.685893	-0.018444	2.0309	m
-0.009279	0.017043	0.999812	-6.4003	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

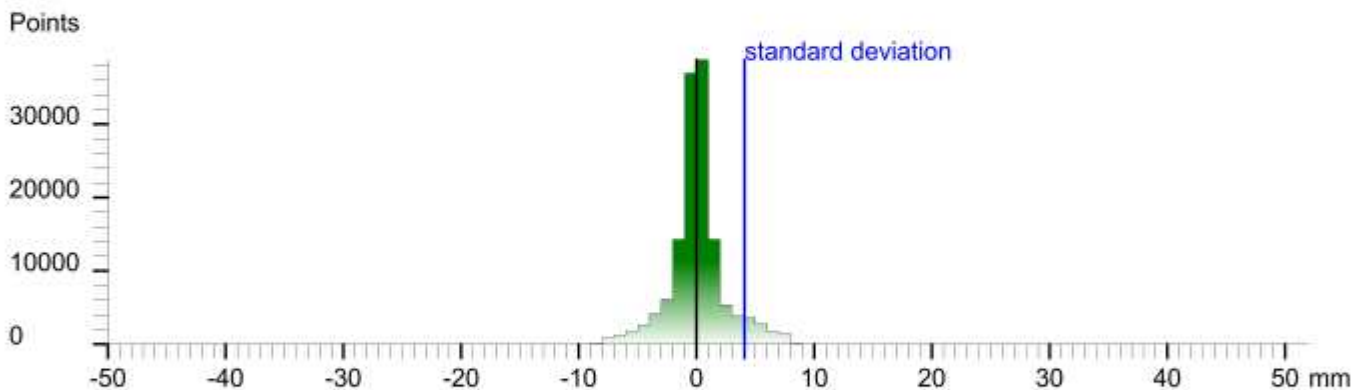
Sun position info: Altitude: 54.359° Azimuth: 177.375° Azimuth to Scan 0 = -195.435°

Scan position '34'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 33: 4.1 mm

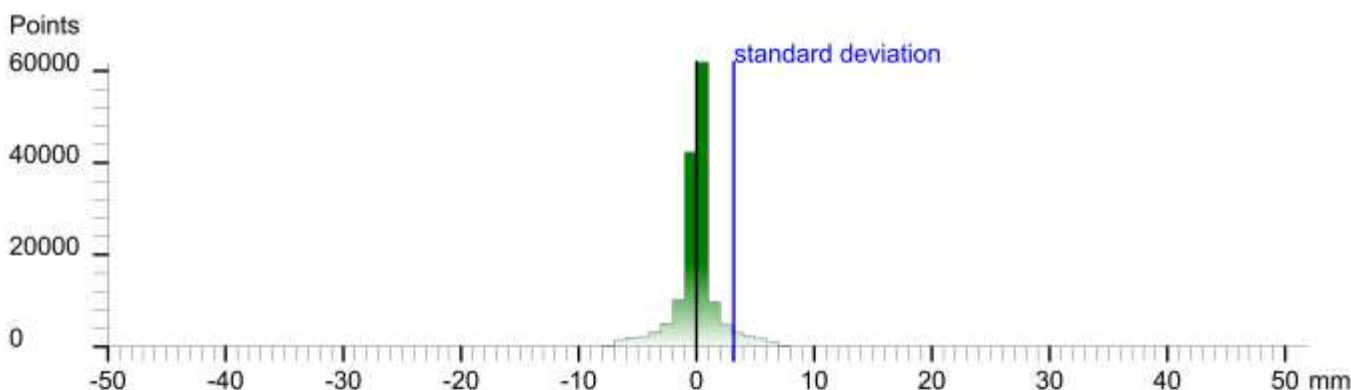
Result registration from 33. Cloud to cloud standard deviation:4.1 mm

Deviation histogram



Result registration to 35. Cloud to cloud standard deviation:3.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 34'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 12:08:05 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "34" -file "Casa Col.Sc. 34" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.012331 bar 7.64942 m
Magnetometer: -38.9000 54.2000 -92.0000
nav translation: -0.6122 m 0.2195 m 7.6733 m accuracies: 5.3432 m 5.3432 m 0.0001 m
nav rotation: -1.0979 0.1276 216.5552 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.803282	-0.595595	0.002227	-16.7116	m
0.595522	-0.803111	0.019161	2.2504	m
-0.009624	0.016718	0.999814	-8.8794	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

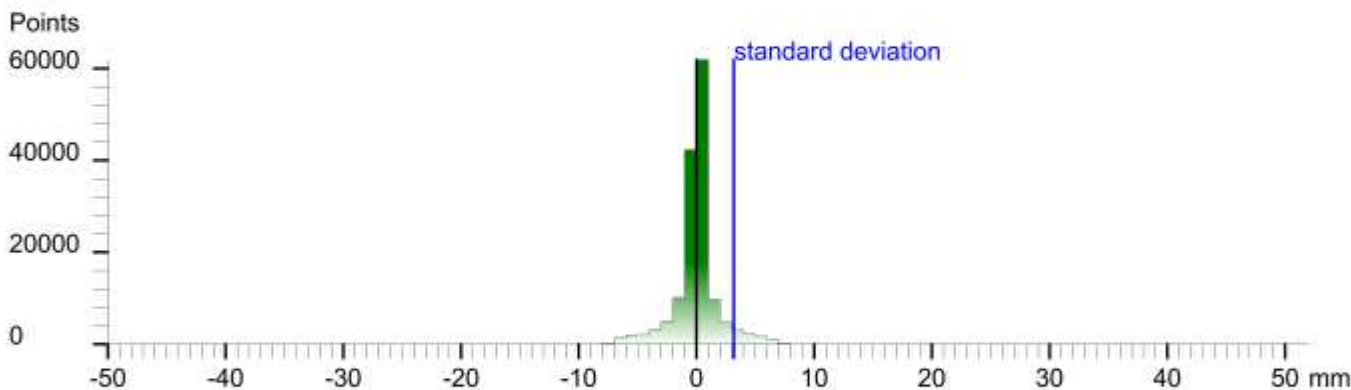
Sun position info: Altitude: 54.382° Azimuth: 179.489° Azimuth to Scan 0 = -5.812°

Scan position '35'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 34: 3.2 mm

Result registration from 34. Cloud to cloud standard deviation:3.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 35'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 12:13:18 27.08.2024

Metadata Value

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "35" -file "Casa Col.Sc. 35" -path "Casa Colectilor GL." -project "Casa Colectilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.012434 bar 6.79136 m
Magnetometer: -25.1000 51.9000 -91.3000
nav translation: -0.3804 m -0.4865 m 6.8889 m accuracies: 5.3180 m 5.3180 m 0.0003 m
nav rotation: -0.8188 -0.7136 170.3006 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.985629	0.168466	-0.012454	-17.0920	m
-0.168637	-0.985575	0.014290	1.7639	m
-0.009867	0.016184	0.999820	-7.6637	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

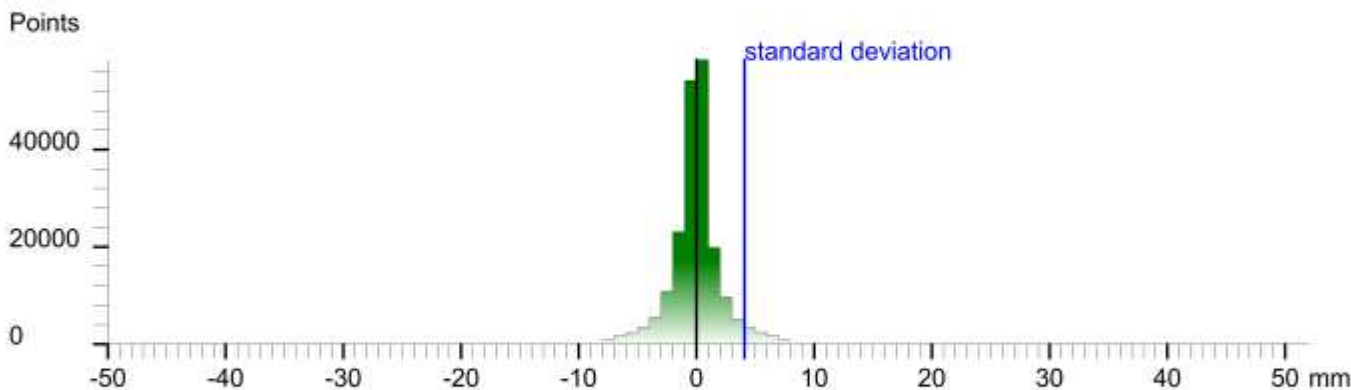
Sun position info: Altitude: 54.372° Azimuth: 181.603° Azimuth to Scan 0 = -319.525°

Scan position '36'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 1: 4.3 mm

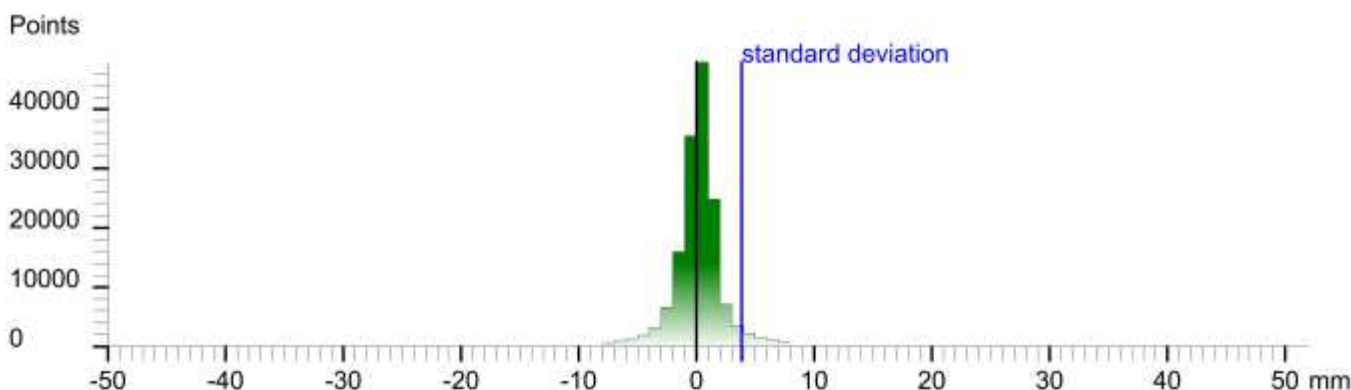
Result registration from 1. Cloud to cloud standard deviation:4.1 mm

Deviation histogram



Result registration to 24. Cloud to cloud standard deviation:3.8 mm

Deviation histogram



Scan 'Casa Col.Sc. 36'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 12:20:35 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "36" -file "Casa Col.Sc. 36" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.012364 bar 7.38029 m
Magnetometer: -23.9000 62.2000 -87.5000
nav translation: 2.9040 m -2.4333 m 6.9021 m accuracies: 7.0912 m 7.0912 m 0.0002 m
nav rotation: -0.8214 -0.7773 167.1917 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439640 long:28.049267 satellites:8 height:59.1m hdop:1.0 vldop:1.1m hacc:5.1m vacc:4.4 utc:33520 flags:G3 'stand alone 3D solution'
north:5032326.144 m east:582063.341 m zone:35T
Initial pre position (3:outdoor)
-0.975027 0.221669 -0.013566 -11.8461 m
-0.221857 -0.974974 0.014335 14.6236 m
-0.010049 0.016987 0.999805 -7.6505 m
0.000000 0.000000 0.000000 1.0000 m

Level system info: Level available.

Sun position info: Altitude: 54.305° Azimuth: 184.559° Azimuth to Scan 0 = -315.522°

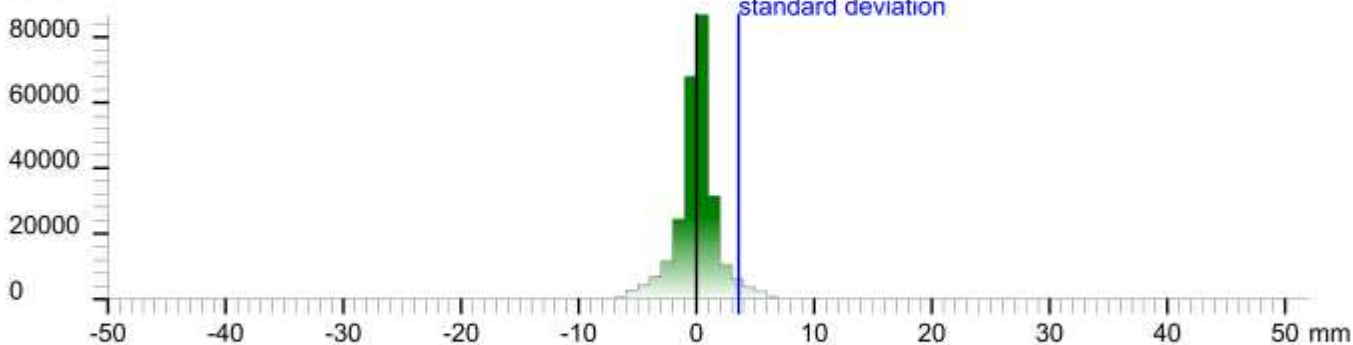
Scan position '37'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 1: 4.3 mm

Result registration from 1. Cloud to cloud standard deviation:3.6 mm

Deviation histogram

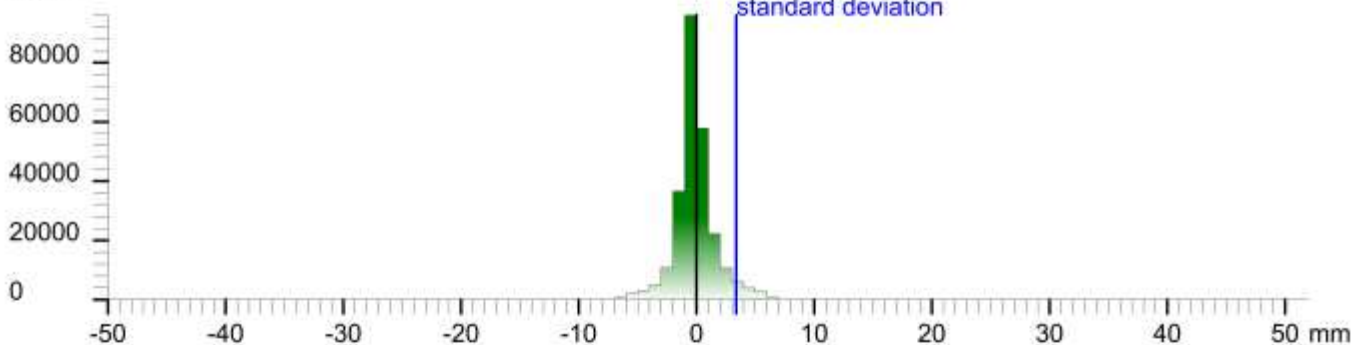
Points



Result registration to 38. Cloud to cloud standard deviation:3.4 mm

Deviation histogram

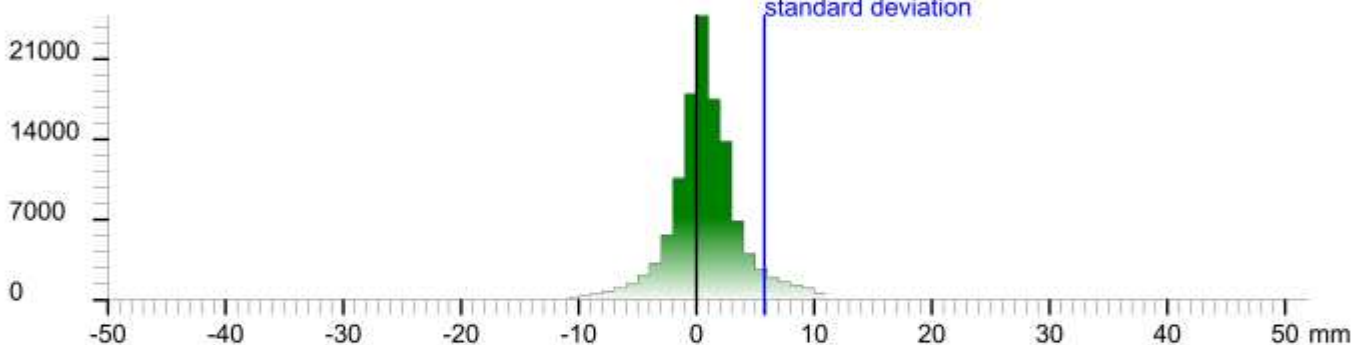
Points



Result registration to 44. Cloud to cloud standard deviation:5.8 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 37'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 12:30:38 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "37" -file "Casa Col.Sc. 37" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -ffrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15480 ° barometer magnetometer translation rotation

Barometer: 1.012277 bar 8.10529 m

Magnetometer: -39.6000 60.2000 -91.5000

nav translation: 1.7789 m 2.6975 m 7.9387 m accuracies: 6.7733 m 6.7733 m 0.0003 m

nav rotation: -1.0810 0.0852 212.8637 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (3:outdoor)

-0.839963	-0.542641	0.001487	-10.0673	m
0.542569	-0.839799	0.018866	17.3211	m
-0.008989	0.016654	0.999821	-6.6140	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 54.099° Azimuth: 188.757° Azimuth to Scan 0 = -0.009°

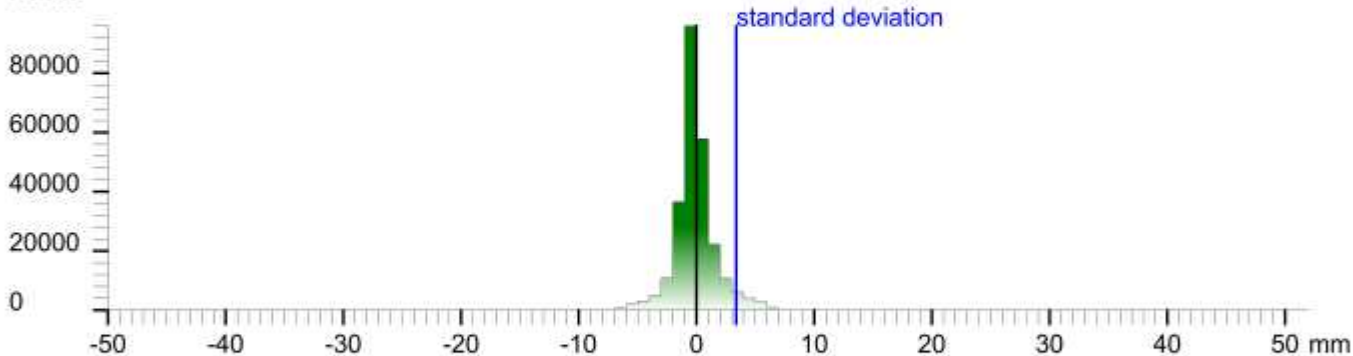
Scan position '38'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 37: 3.6 mm

Result registration from 37. Cloud to cloud standard deviation:3.4 mm

Deviation histogram

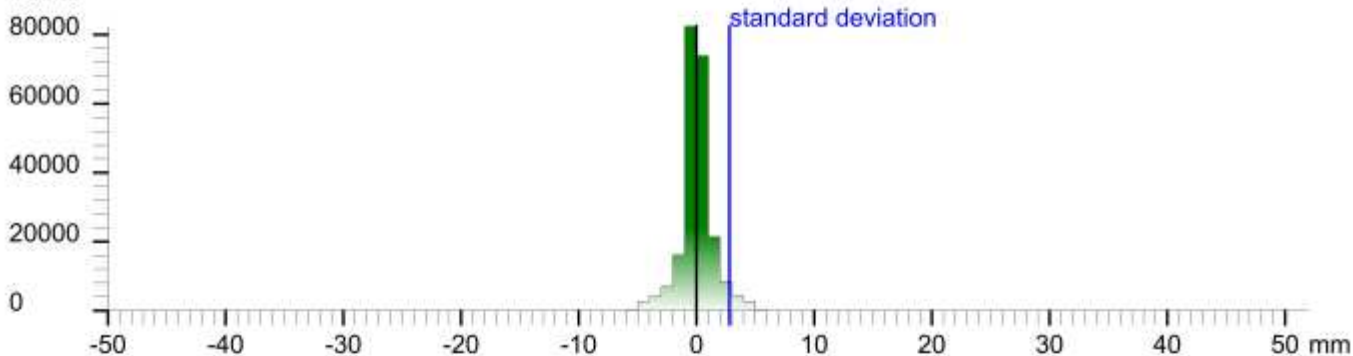
Points



Result registration to 39. Cloud to cloud standard deviation:2.8 mm

Deviation histogram

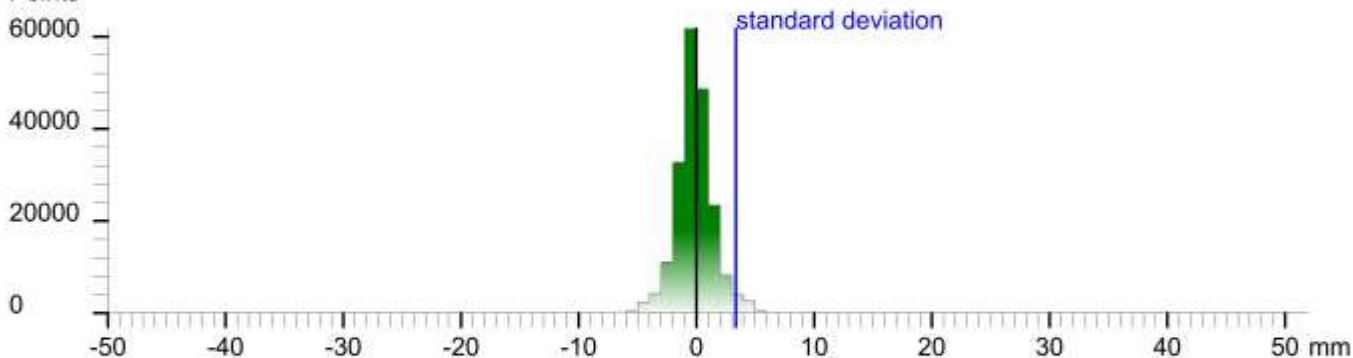
Points



Result registration to 3. Cloud to cloud standard deviation:3.3 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 38'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 12:43:31 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "38" -file "Casa Col.Sc. 38" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 `barometer magnetometer translation rotation gps`
Barometer: 1.012161 bar 9.06574 m
Magnetometer: -33.1000 66.7000 -92.0000
nav translation: -4.4205 m 3.1145 m 8.5186 m accuracies: 7.8587 m 7.8587 m 0.0001 m
nav rotation: -0.9147 -0.2137 187.1658 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439682 long:28.049387 satellites:8 height:60.7m hdop:0.9 vdop:1.4m hacc:4.8m vacc:7.1 utc:34897 flags:D3 'differential 3D solution'
north:5032330.928 m east:582072.678 m zone:35T
Initial pre position (3:outdoor)

-0.992182	-0.124740	-0.003729	-2.5218	m
0.124666	-0.992070	0.015964	19.4121	m
-0.005691	0.015374	0.999866	-6.0340	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

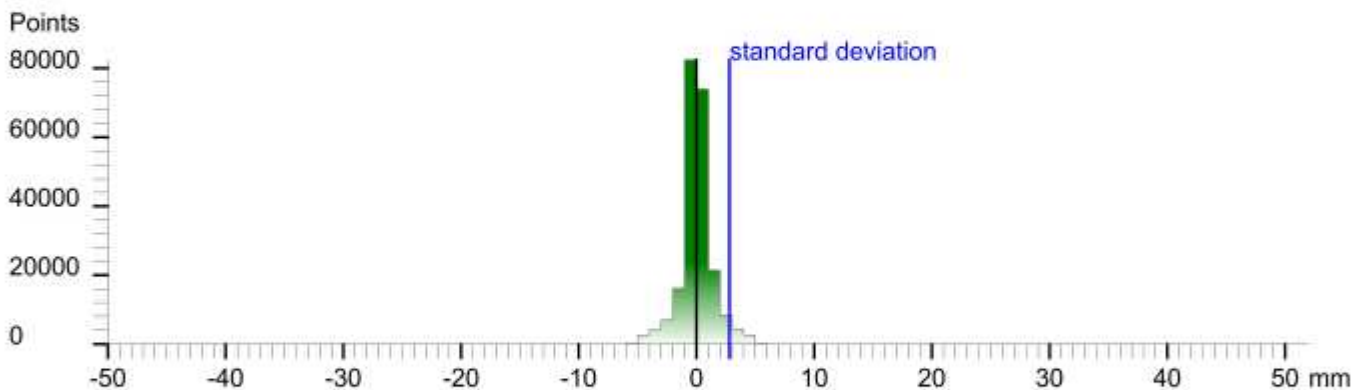
Sun position info: Altitude: 53.643° Azimuth: 194.134° Azimuth to Scan 0 = -331.064°

Scan position '39'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 38: 2.9 mm

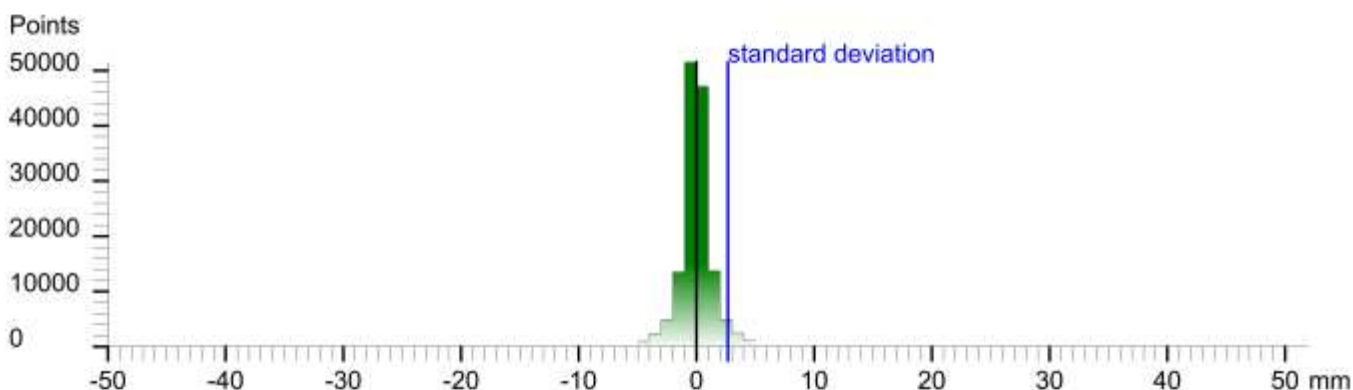
Result registration from 38. Cloud to cloud standard deviation:2.8 mm

Deviation histogram



Result registration to 40. Cloud to cloud standard deviation:2.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 39'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 12:50:38 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "39" -file "Casa Col.Sc. 39" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps*
Barometer: 1.012009 bar 10.3352 m
Magnetometer: -56.9000 50.3000 -94.5000
nav translation: -1.3020 m 0.7240 m 10.2380 m accuracies: 5.8137 m 5.8137 m 0.0007 m
nav rotation: -0.8858 0.6287 245.6755 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439683 long:28.049438 satellites:8 height:65.4m hdop:1.1 vdop:1.5m hacc:6.7m vacc:9.4 utc:35324 flags:D3 'differential 3D solution'
north:5032328.862 m east:582076.733 m zone:35T
Initial pre position (3:outdoor)
-0.411879 -0.911173 0.010972 1.4944 m
0.911188 -0.411700 0.015459 17.3534 m
-0.009569 0.016365 0.999820 -4.3146 m
0.000000 0.000000 0.000000 1.0000 m

Level system info: Level available.

Sun position info: Altitude: 53.312° Azimuth: 196.977° Azimuth to Scan 0 = -29.186°

Scan position '4'

Scan position is member of group(s):

Status registration 'registered with bundleadjustment with cloud to cloud'

Optimized

Connection standard deviation

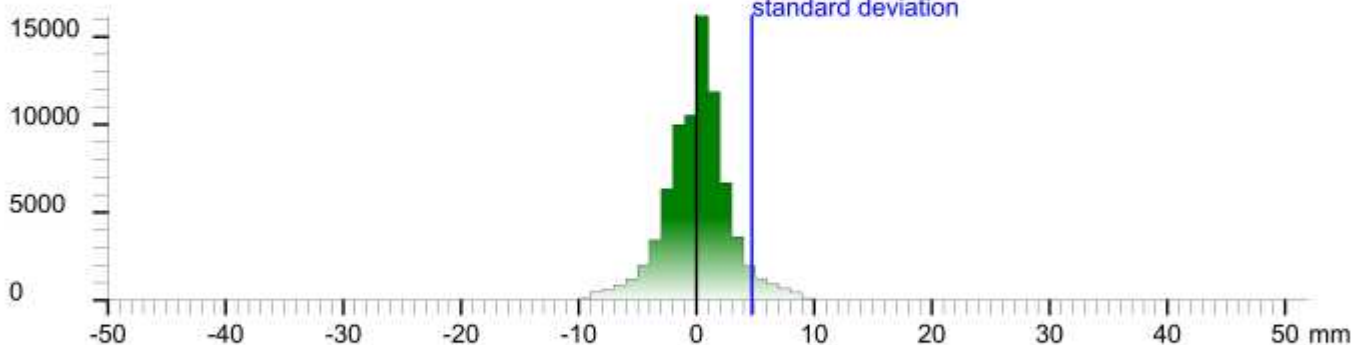
from 24: 4.5 mm

from 3: 4.8 mm

Result registration from 3. Cloud to cloud standard deviation:4.7 mm

Deviation histogram

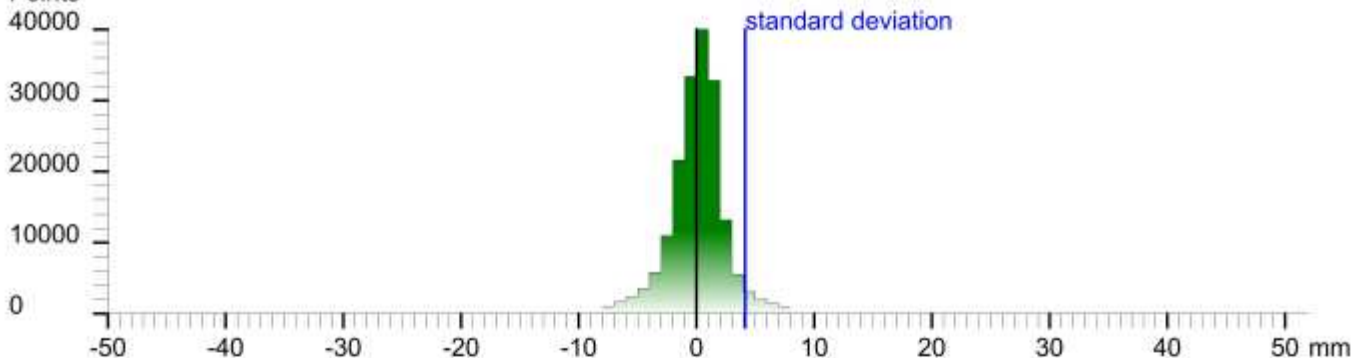
Points



Result registration from 24. Cloud to cloud standard deviation:4.1 mm

Deviation histogram

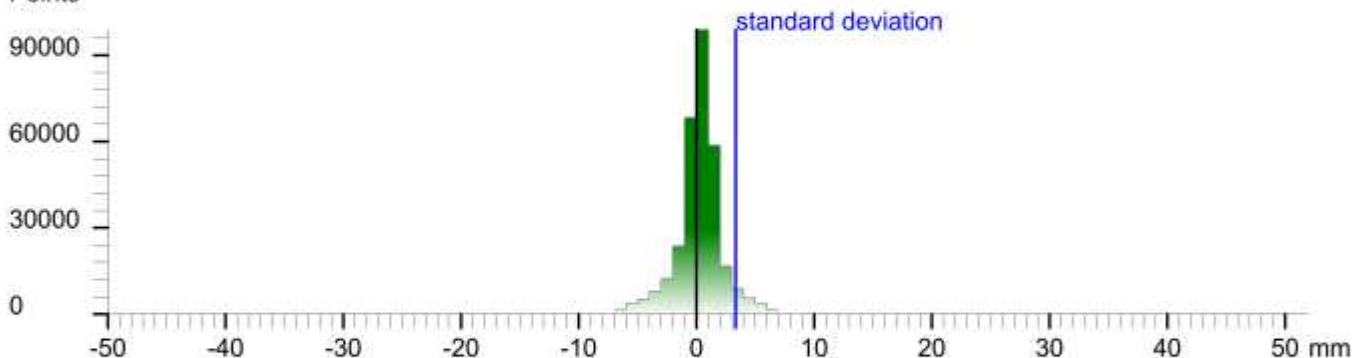
Points



Result registration to 5. Cloud to cloud standard deviation:3.3 mm

Deviation histogram

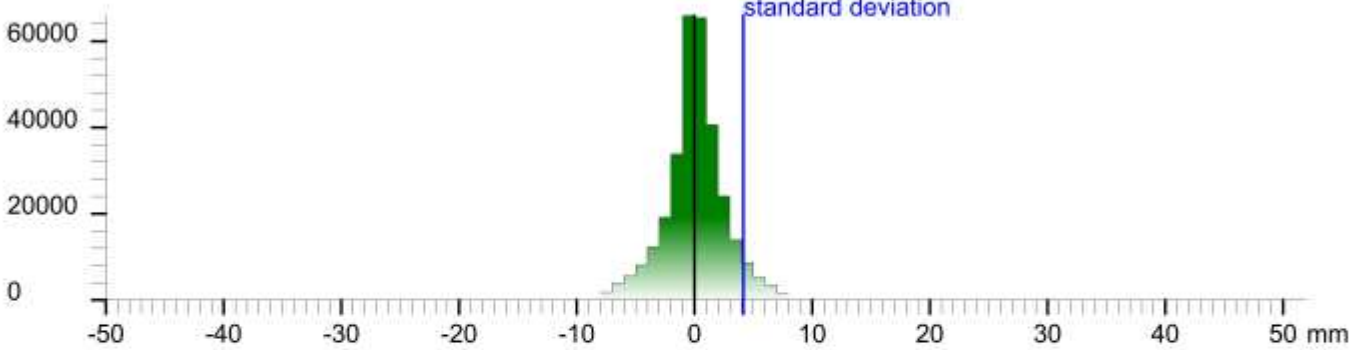
Points



Result registration to 8. Cloud to cloud standard deviation:4.2 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 4'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 08:47:15 27.08.2024

Metadata **Value**

comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "4" -file "Casa Col.Sc. 4" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 ° barometer magnetometer translation rotation gps

Barometer: 1.011699 bar 12.9204 m

Magnetometer: -41.5000 57.5000 -96.0000

nav translation: -8.0452 m -10.0381 m 13.3920 m accuracies: 11.6354 m 11.6354 m 0.0008 m

nav rotation: -0.9792 -0.4104 184.8825 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439626 long:28.049313 satellites:8 height:58.3m hdop:0.8 vdop:1.0m hacc:3.1m vacc:3.2 utc:20721 flags:D3 'differential 3D solution'

north:5032313.477 m east:582067.087 m zone:35T

Initial pre position (3:outdoor)

-0.996346	-0.085110	-0.007162	-8.0832	m
0.084978	-0.996236	0.017088	2.0057	m
-0.008590	0.016417	0.999828	-1.1606	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

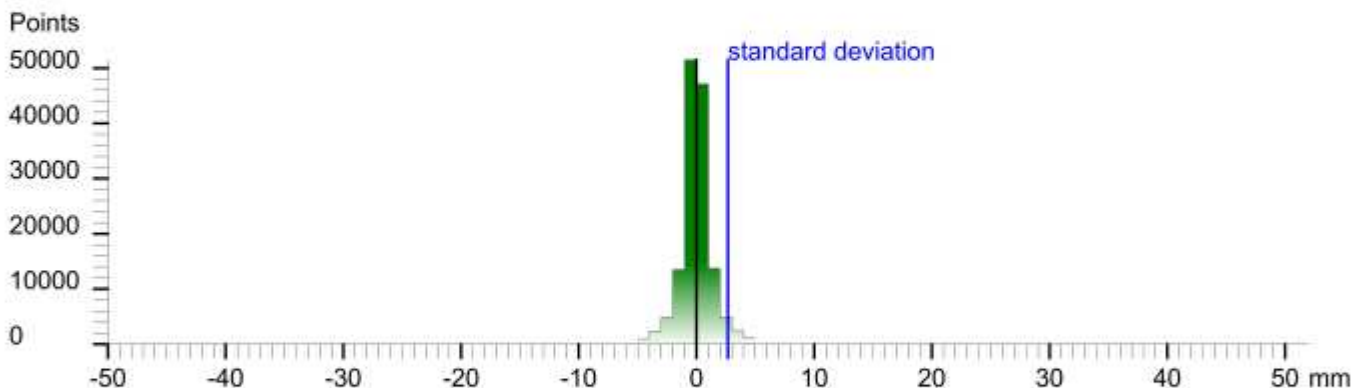
Sun position info: Altitude: 34.160° Azimuth: 113.178° Azimuth to Scan 0 = -75.795°

Scan position '40'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 39: 2.7 mm

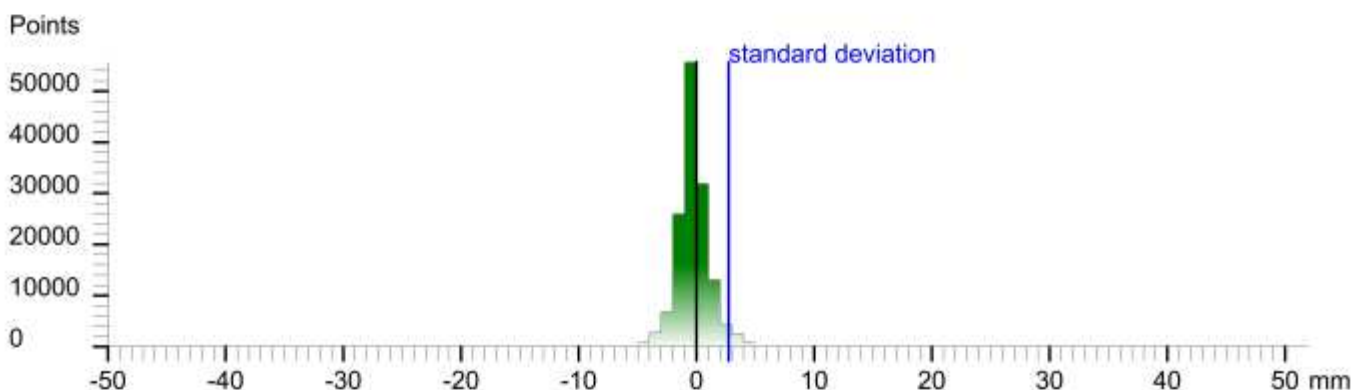
Result registration from 39. Cloud to cloud standard deviation:2.7 mm

Deviation histogram



Result registration to 41. Cloud to cloud standard deviation:2.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 40'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 12:57:12 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "40" -file "Casa Col.Sc. 40" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.012005 bar 10.373 m
Magnetometer: -34.3000 64.1000 -94.8000
nav translation: -1.7120 m 1.5043 m 10.3768 m accuracies: 6.2093 m 6.2093 m 0.0014 m
nav rotation: -1.0199 -0.2422 198.3818 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439716 long:28.049404 satellites:8 height:56.6m hdop:1.1 vldop:1.7m hacc:8.4m vacc:15.0 utc:35718 flags:G3 'stand alone 3D solution'
north:5032334.760 m east:582073.971 m zone:35T
Initial pre position (3:outdoor)
-0.948968 -0.315345 -0.004227 -1.2416 m
0.315227 -0.948849 0.017800 23.2067 m
-0.009824 0.015559 0.999833 -4.1758 m
0.000000 0.000000 0.000000 1.0000 m

Level system info: Level available.

Sun position info: Altitude: 52.923° Azimuth: 199.777° Azimuth to Scan 0 = 19.134°

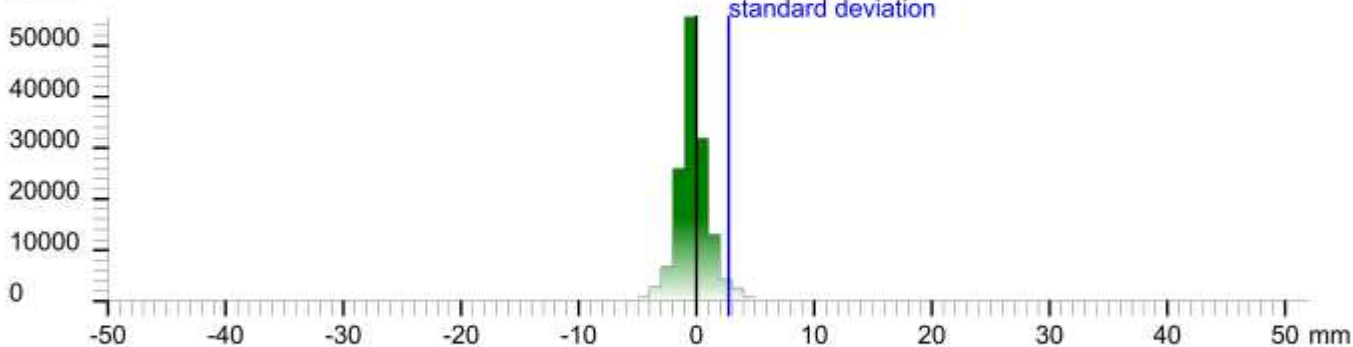
Scan position '41'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 40: 2.8 mm

Result registration from 40. Cloud to cloud standard deviation:2.7 mm

Deviation histogram

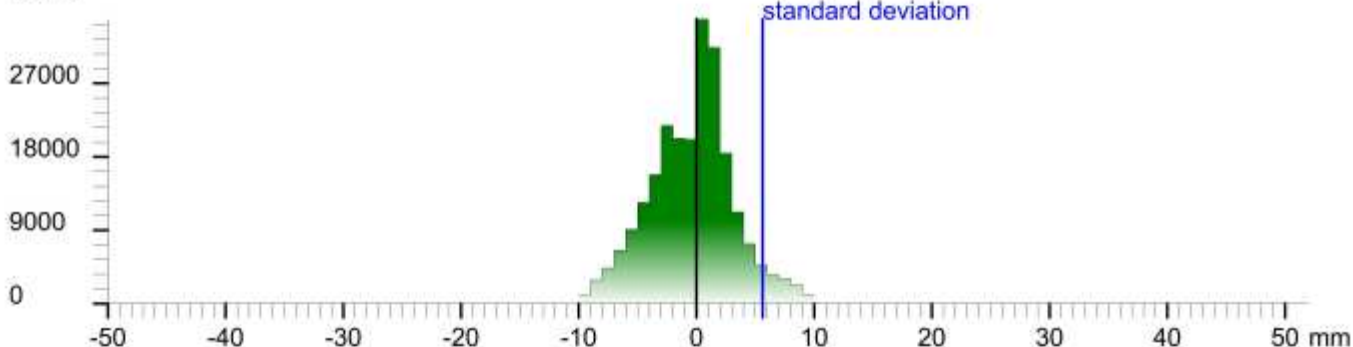
Points



Result registration to 42. Cloud to cloud standard deviation:5.6 mm

Deviation histogram

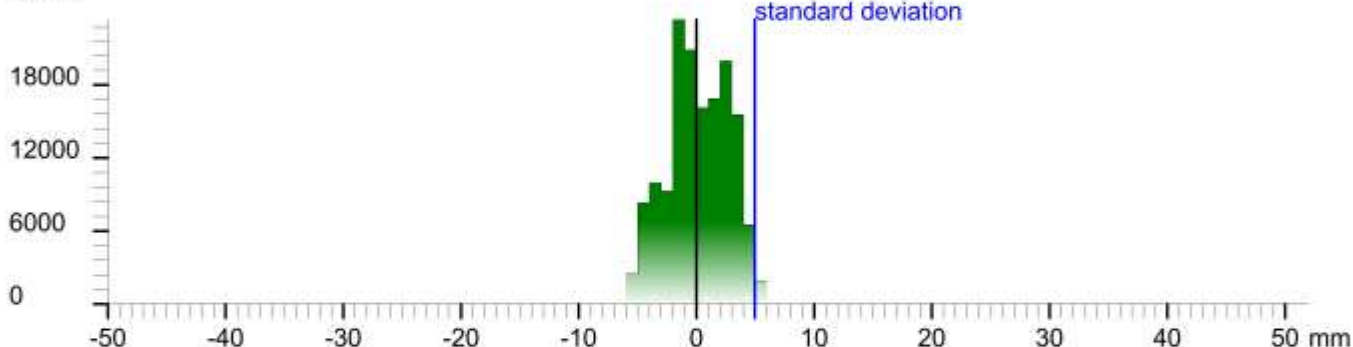
Points



Result registration to 85. Cloud to cloud standard deviation:5.0 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 41'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 13:13:10 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "41" -file "Casa Col.Sc. 41" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "3-cam" -panoramaparams fast

Sensor

sensors: 15484 `barometer magnetometer translation rotation gps`

Barometer: 1.012072 bar 9.81172 m

Magnetometer: -62.8000 44.0000 -103.8000

nav translation: -6.7671 m 3.4165 m 9.8572 m accuracies: 8.8813 m 8.8813 m 0.0007 m

nav rotation: -0.8897 0.5739 236.3733 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.438781 long:28.049408 satellites:8 height:59.2m hdop:0.9 vdop:1.5m hacc:3.8m vacc:6.4 utc:36676 flags:G3 'stand alone 3D solution'

north:5032341.969 m east:582074.175 m zone:35T

Initial pre position (3:outdoor)

-0.553752	-0.832621	0.010016	-1.0230	m
0.832649	-0.553584	0.015526	30.4320	m
-0.007383	0.016937	0.999829	-4.6954	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

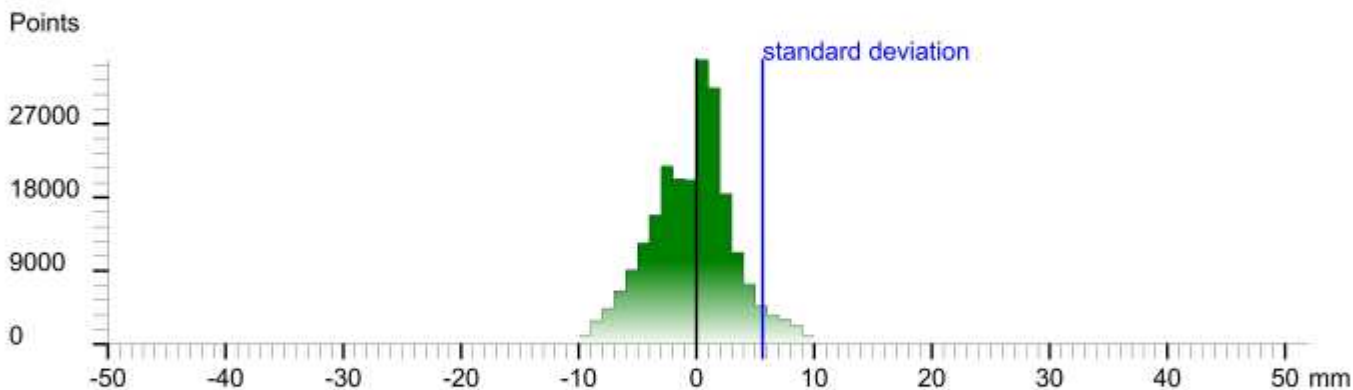
Sun position info: Altitude: 51.828° Azimuth: 205.981° Azimuth to Scan 0 = -13.147°

Scan position '42'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 41: 5.6 mm

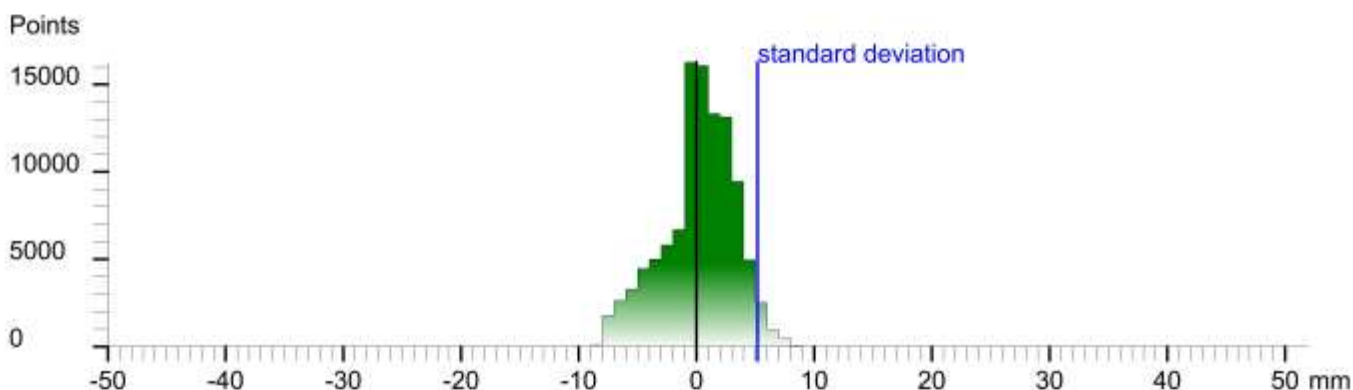
Result registration from 41. Cloud to cloud standard deviation:5.6 mm

Deviation histogram



Result registration to 43. Cloud to cloud standard deviation:5.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 42'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 13:20:20 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "42" -file "Casa Col.Sc. 42" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.012063 bar 9.88722 m
Magnetometer: -34.9000 65.0000 -93.2000
nav translation: -0.5581 m 0.0033 m 9.7840 m accuracies: 5.2853 m 5.2853 m 0.0009 m
nav rotation: -1.0138 -0.4030 187.5690 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439804 long:28.049429 satellites:8 height:89.1m hdop:0.9 vldop:1.5m hacc:5.5m vacc:10.0 utc:37105 flags:G3 'stand alone 3D solution'
north:5032344.533 m east:582075.783 m zone:35T
Initial pre position (3:outdoor)
-0.991262 -0.131716 -0.007034 0.5681 m
0.131576 -0.991148 0.017693 33.0087 m
-0.009303 0.016613 0.999819 -4.7686 m
0.000000 0.000000 0.000000 1.0000

Level system info: No information about the level system stored in the ZFS header.

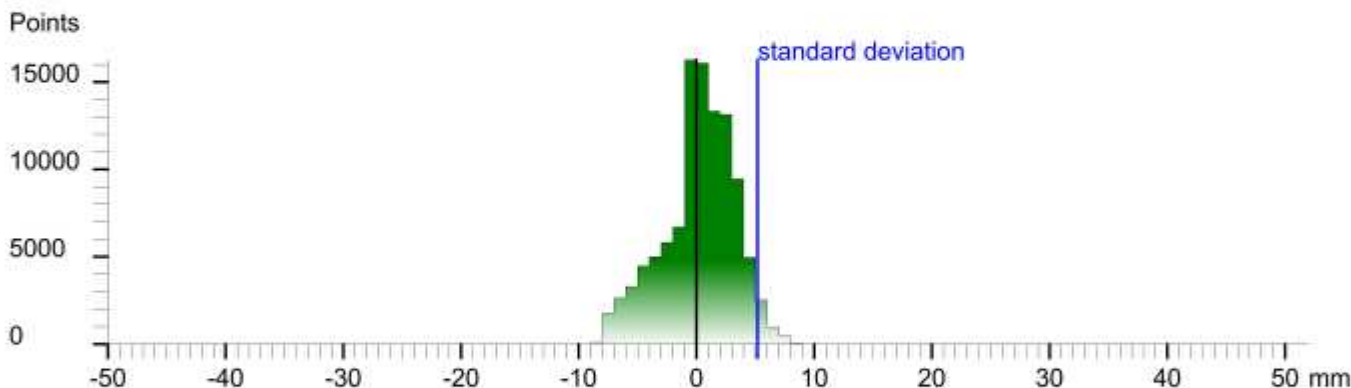
Sun position info: Altitude: 51.264° Azimuth: 208.601° Azimuth to Scan 0 = -323.284°

Scan position '43'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 42: 5.2 mm

Result registration from 42. Cloud to cloud standard deviation:5.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 43'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 13:27:41 27.08.2024

Metadata Value

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "43" -file "Casa Col.Sc. 43" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps*

Barometer: 1.012192 bar 8.81544 m

Magnetometer: -26.1000 66.9000 -97.7000

nav translation: 3.3649 m 3.9200 m 8.9890 m accuracies: 7.7411 m 7.7411 m 0.0001 m

nav rotation: -0.8232 -0.7363 168.0199 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439877 long:28.049503 satellites:8 height:59.7m hdop:0.7 vdop:1.3m hacc:3.6m vacc:5.7 utc:37546 flags:G3 'stand alone 3D solution'

north:5032352.661 m east:582081.495 m zone:35T

Initial pre position (3:outdoor)

-0.978139	0.207555	-0.012850	6.2678	m
-0.207731	-0.978080	0.014366	41.1942	m
-0.009586	0.016722	0.999814	-5.5637	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

Sun position info: Altitude: 50.650° Azimuth: 211.160° Azimuth to Scan 0 = -302.429°

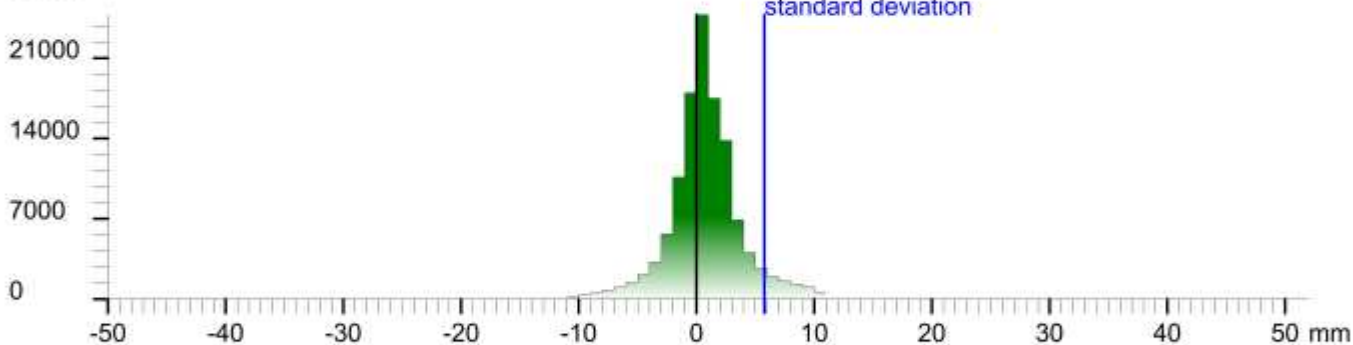
Scan position '44'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 37: 5.9 mm

Result registration from 37. Cloud to cloud standard deviation:5.8 mm

Deviation histogram

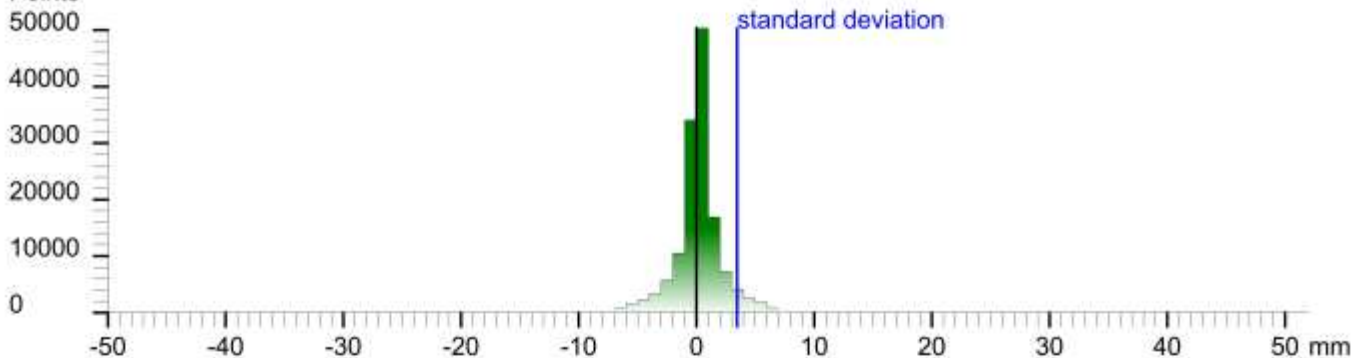
Points



Result registration to 45. Cloud to cloud standard deviation:3.5 mm

Deviation histogram

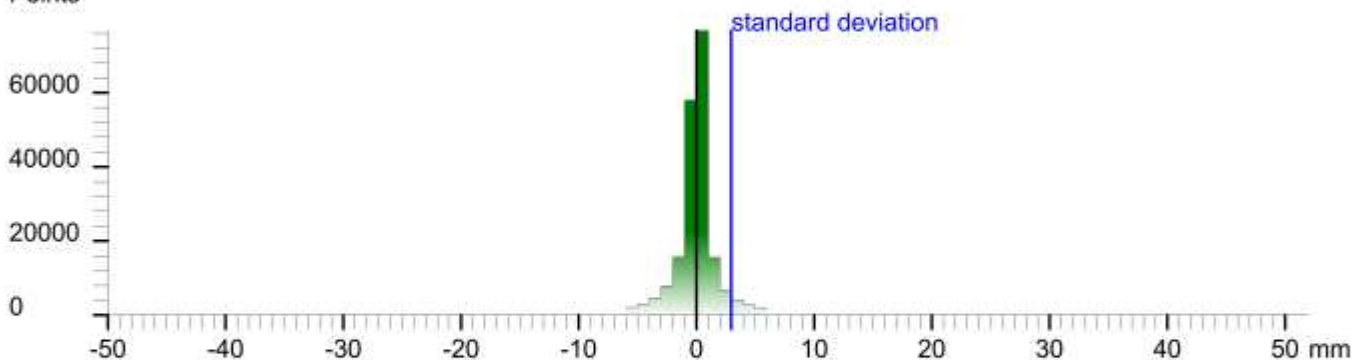
Points



Result registration to 46. Cloud to cloud standard deviation:3.0 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 44'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 13:37:04 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "44" -file "Casa Col.Sc. 44" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -ffrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 `barometer magnetometer translation rotation gps`

Barometer: 1.012221 bar 8.56713 m

Magnetometer: -48.2000 50.9000 -91.4000

nav translation: -16.2981 m -14.7362 m 8.5446 m accuracies: 16.3376 m 16.3376 m 0.0007 m

nav rotation: -0.9910 0.3829 230.3577 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439674 long:28.049303 satellites:8 height:50.9m hdop:0.8 vdop:1.4m hacc:8.8m vacc:13.0 utc:38109 flags:G3 'stand alone 3D solution'

north:5032329.995 m east:582066.125 m zone:35T

Initial pre position (3:outdoor)

-0.637979	-0.770025	0.006683	-9.0799	m
0.770001	-0.637809	0.017296	18.4376	m
-0.009055	0.016181	0.999828	-6.0080	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

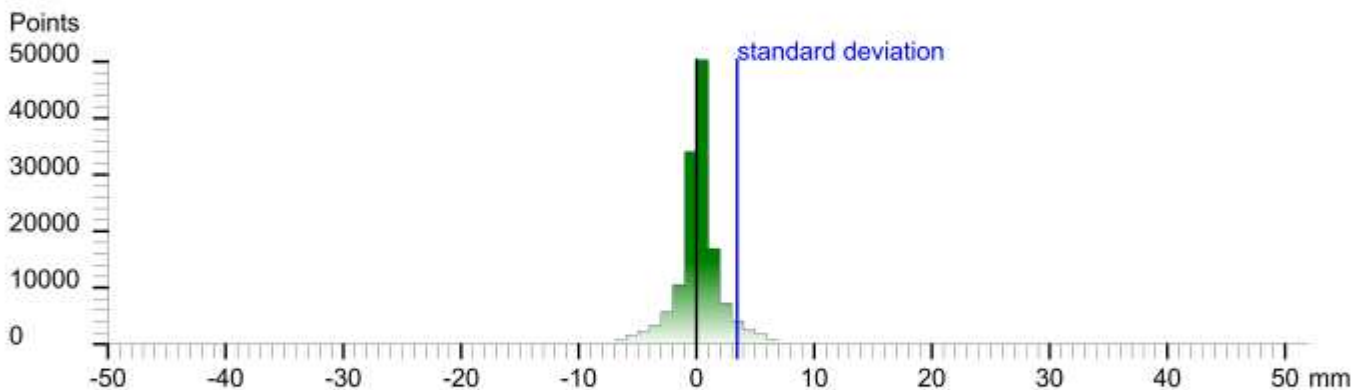
Sun position info: Altitude: 49.695° Azimuth: 214.705° Azimuth to Scan 0 = -2.052°

Scan position '45'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 44: 3.4 mm

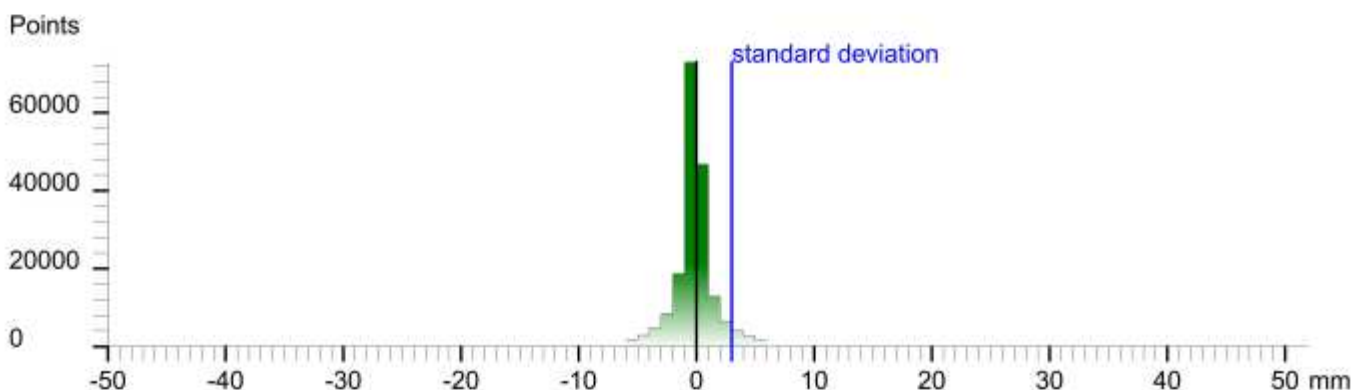
Result registration from 44. Cloud to cloud standard deviation:3.5 mm

Deviation histogram



Result registration to 46. Cloud to cloud standard deviation:3.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 45'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 13:43:57 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "45" -file "Casa Col.Sc. 45" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps*
Barometer: 1.012145 bar 9.20381 m
Magnetometer: -63.3000 13.6000 -87.0000
nav translation: 0.0435 m 3.1542 m 8.8421 m accuracies: 6.6146 m 6.6146 m 0.0042 m
nav rotation: -0.0494 1.0521 295.4959 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439720 long:28.049286 satellites:8 height:51.0m hdop:1.8 vdop:3.4m hacc:10.0m vacc:18.0 utc:38522 flags:G3 'stand alone 3D solution'
north:5032335.063 m east:582064.716 m zone:35T
Initial pre position (3:outdoor)
0.430374 -0.902464 0.018361 -10.4761 m
0.902609 0.430461 0.000862 23.5307 m
-0.008682 0.016202 0.999831 -5.7106 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

Sun position info: Altitude: 49.079° Azimuth: 216.769° Azimuth to Scan 0 = -66.067°

Scan position '46'

Scan position is member of group(s):

Status registration 'registered with bundleadjustment with cloud to cloud'

Optimized

Connection standard deviation

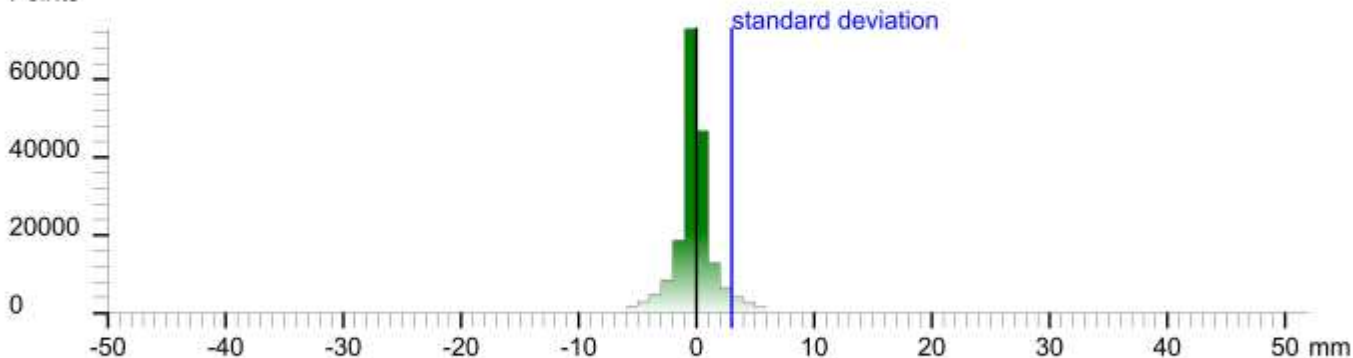
from 44: 3.0 mm

from 45: 3.0 mm

Result registration from 45. Cloud to cloud standard deviation:3.0 mm

Deviation histogram

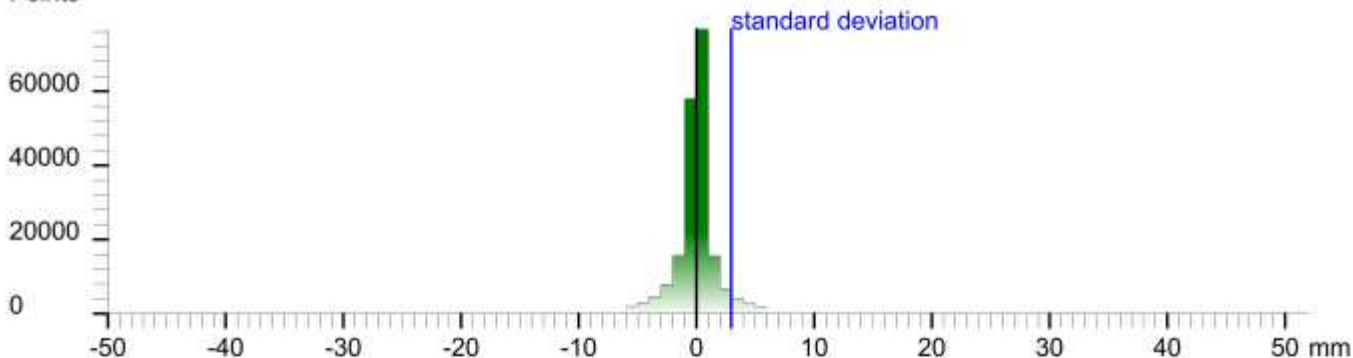
Points



Result registration from 44. Cloud to cloud standard deviation:3.0 mm

Deviation histogram

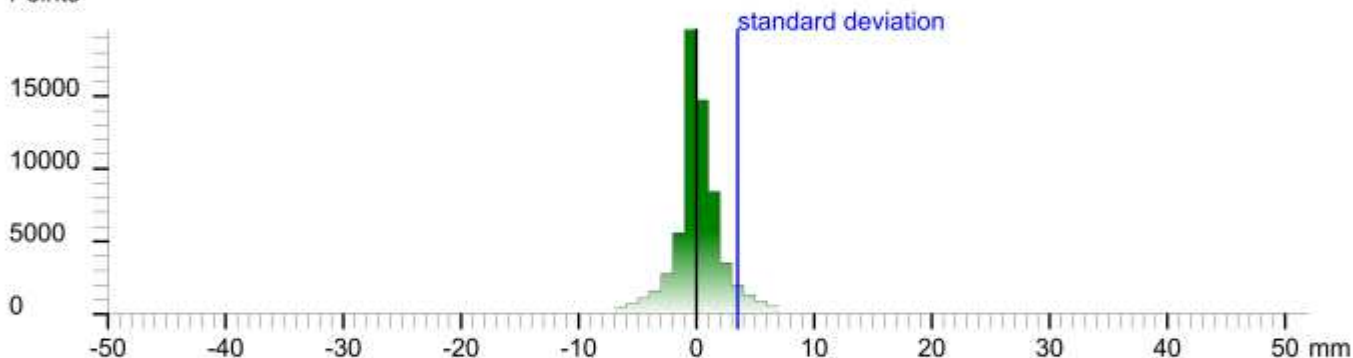
Points



Result registration to 47. Cloud to cloud standard deviation:3.5 mm

Deviation histogram

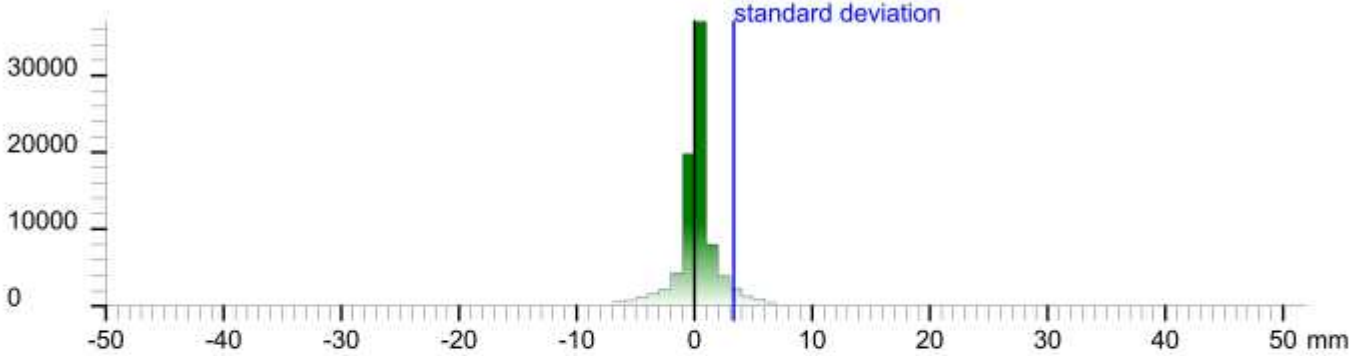
Points



Result registration to 80. Cloud to cloud standard deviation:3.3 mm

Deviation histogram

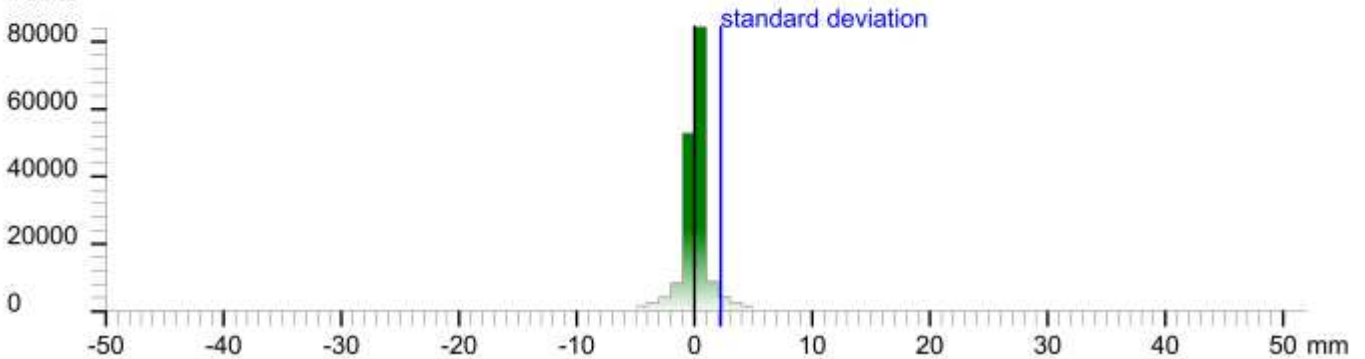
Points



Result registration to 49. Cloud to cloud standard deviation:2.2 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 46'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 14:01:37 27.08.2024

Metadata **Value**

comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "46" -file "Casa Col.Sc. 46" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -ifrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 ° barometer magnetometer translation rotation gps:

Barometer: 1.012017 bar 10.2736 m

Magnetometer: -45.7000 68.3000 -89.5000

nav translation: -2.1158 m -0.0250 m 10.1865 m accuracies: 6.1203 m 6.1203 m 0.0003 m

nav rotation: -1.0391 0.1900 218.5511 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439640 long:28.049326 satellites:8 height:65.3m hdop:0.8 vdop:1.2m hacc:12.0m vacc:14.0 utc:39582 flags:D3 'differential 3D solution'

north:5032326.204 m east:582067.985 m zone:35T

Initial pre position (3:outdoor)

-0.782048	-0.623209	0.003316	-7.2318	m
0.623157	-0.781887	0.018134	14.6839	m
-0.008709	0.016248	0.999830	-4.3661	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 47.057° Azimuth: 222.677° Azimuth to Scan 0 = 14.944°

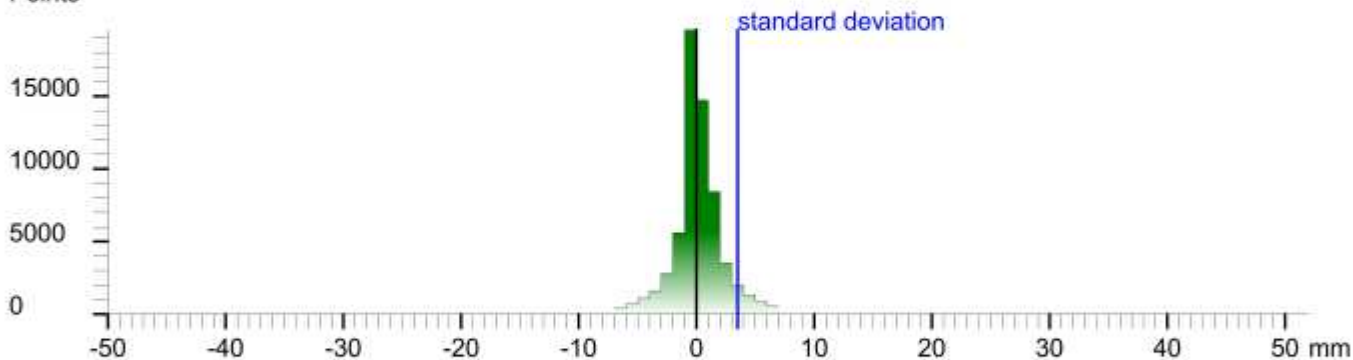
Scan position '47'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 46: 3.5 mm

Result registration from 46. Cloud to cloud standard deviation:3.5 mm

Deviation histogram

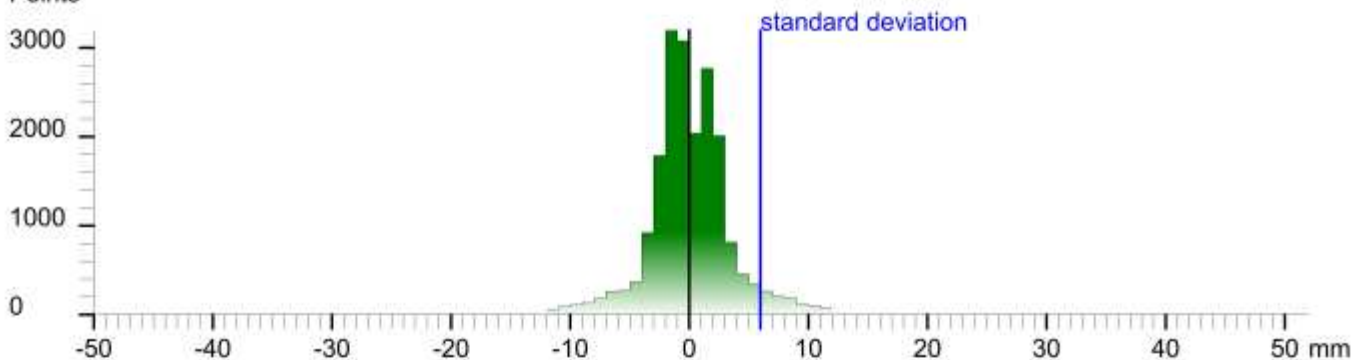
Points



Result registration to 48. Cloud to cloud standard deviation:6.0 mm

Deviation histogram

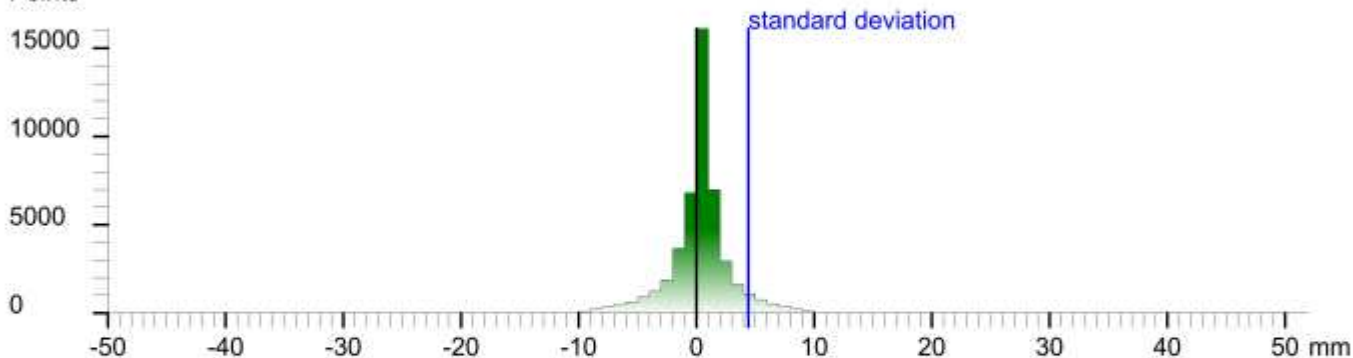
Points



Result registration to 80. Cloud to cloud standard deviation:4.4 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 47'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 14:08:55 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "47" -file "Casa Col.Sc. 47" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -ffrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 `barometer magnetometer translation rotation gps`

Barometer: 1.012157 bar 9.10051 m

Magnetometer: -27.6000 62.8000 -85.0000

nav translation: -0.1577 m 0.4822 m 9.0671 m accuracies: 5.2992 m 5.2992 m 0.0007 m

nav rotation: -1.0644 -0.1802 199.6095 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439846 long:28.049112 satellites:8 height:46.9m hdop:1.1 vdop:1.4m hacc:18.0m vacc:21.0 utc:40020 flags:D3 'differential 3D solution'

north:5032348.871 m east:582050.959 m zone:35T

Initial pre position (3-outdoor)

-0.941997	-0.335606	-0.003146	-24.2673	m
0.335495	-0.941859	0.018576	37.3512	m
-0.009197	0.016443	0.999823	-5.4855	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

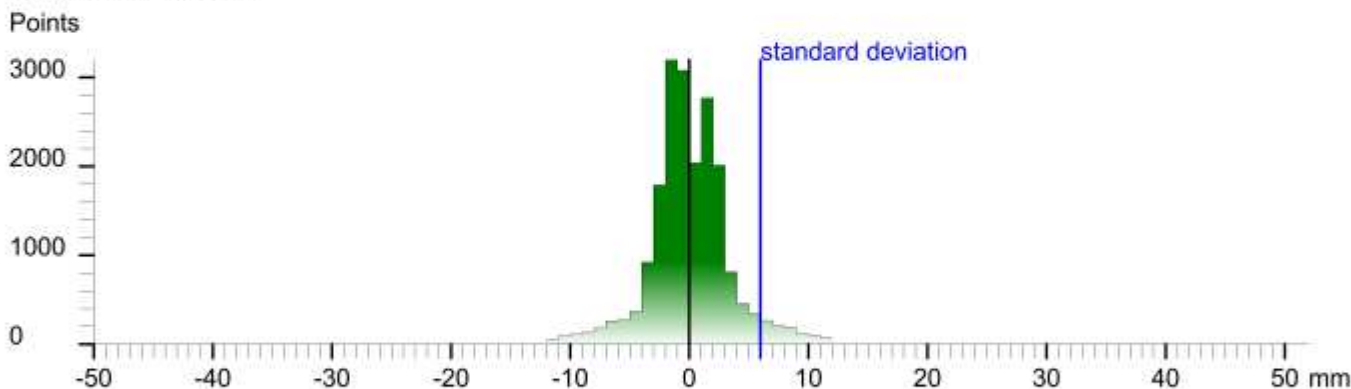
Sun position info: Altitude: 46.207° Azimuth: 224.861° Azimuth to Scan 0 = 35.453°

Scan position '48'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 47: 5.9 mm
from 49: 4.3 mm

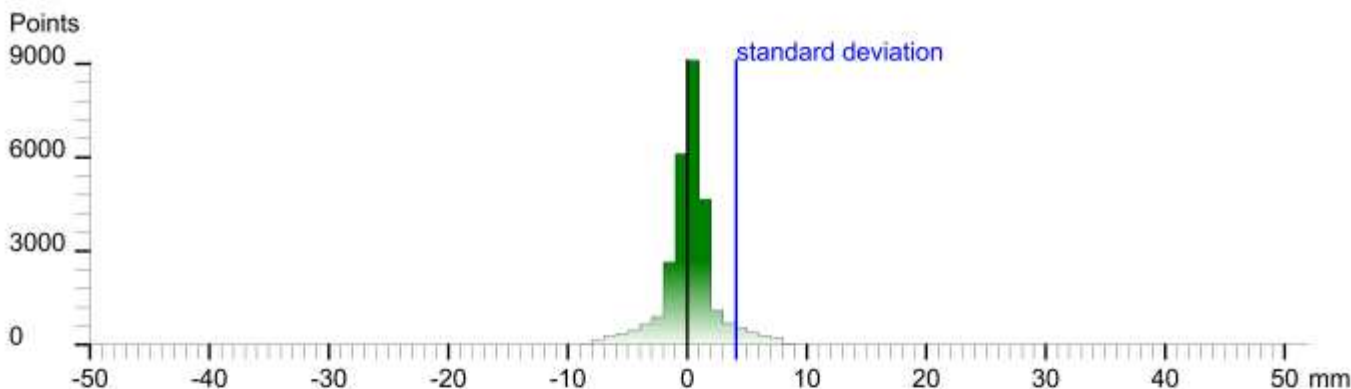
Result registration from 47. Cloud to cloud standard deviation:6.0 mm

Deviation histogram



Result registration from 49. Cloud to cloud standard deviation:4.1 mm

Deviation histogram



Scan 'Casa Col.Sc. 48'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 14:15:33 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "48" -file "Casa Col.Sc. 48" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 ^ barometer magnetometer translation rotation gps^
Barometer: 1.012193 bar 8.80551 m
Magnetometer: -46.6000 100.3000 -92.1000
nav translation: -6.0947 m 0.8788 m 9.0355 m accuracies: 8.1613 m 8.1613 m 0.0001 m
nav rotation: -1.0482 0.3015 226.2129 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.440480 long:28.048788 satellites:8 height:-50.7m hdop:1.2 vdop:1.4m hacc:22.0m vacc:19.0m utm:40419 flags:D3 'differential 3D solution'
north:5032416.770 m east:582024.560 m zone:35T
Initial pre position (3:outdoor)
-0.691972 -0.721906 0.005261 -50.6535 m
0.721861 -0.691796 0.018294 105.2313 m
-0.009567 0.016457 0.999819 -5.5171 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

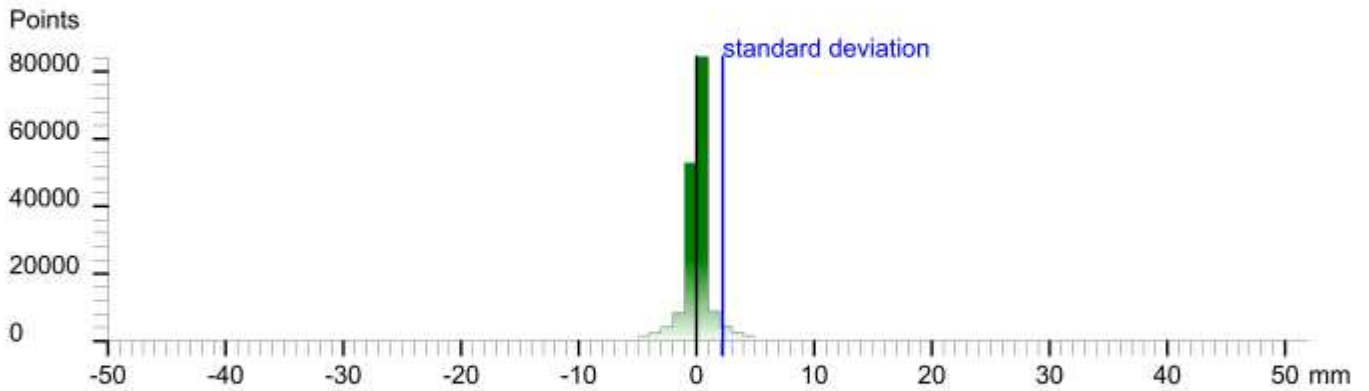
Sun position info: Altitude: 45.323° Azimuth: 226.984° Azimuth to Scan 0 = 10.313°

Scan position '49'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 46: 2.4 mm

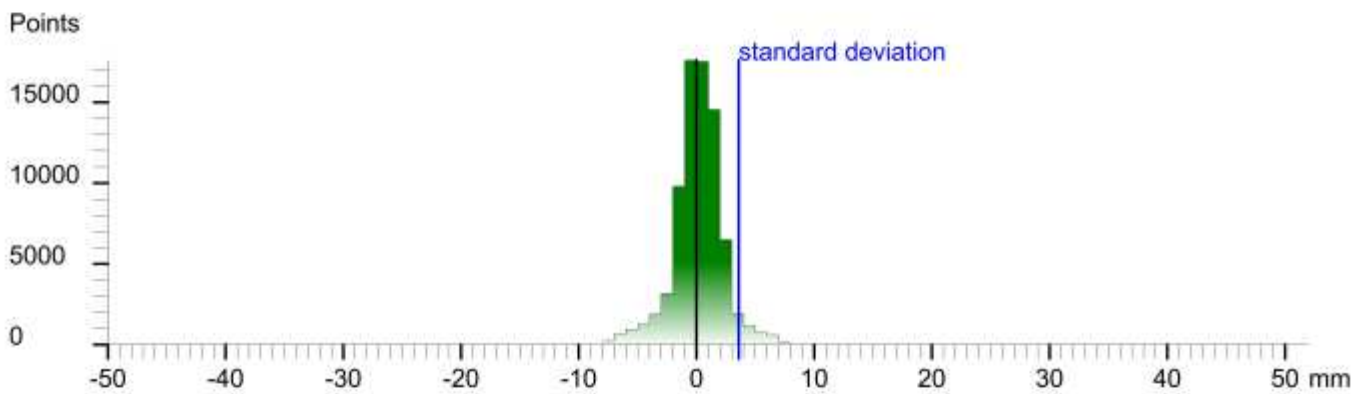
Result registration from 46. Cloud to cloud standard deviation: 2.2 mm

Deviation histogram



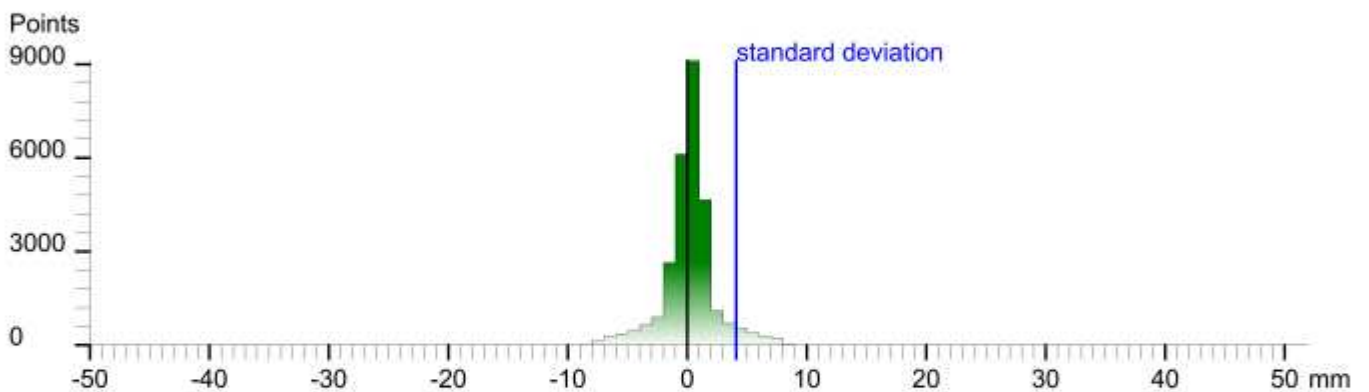
Result registration to 50. Cloud to cloud standard deviation: 3.6 mm

Deviation histogram



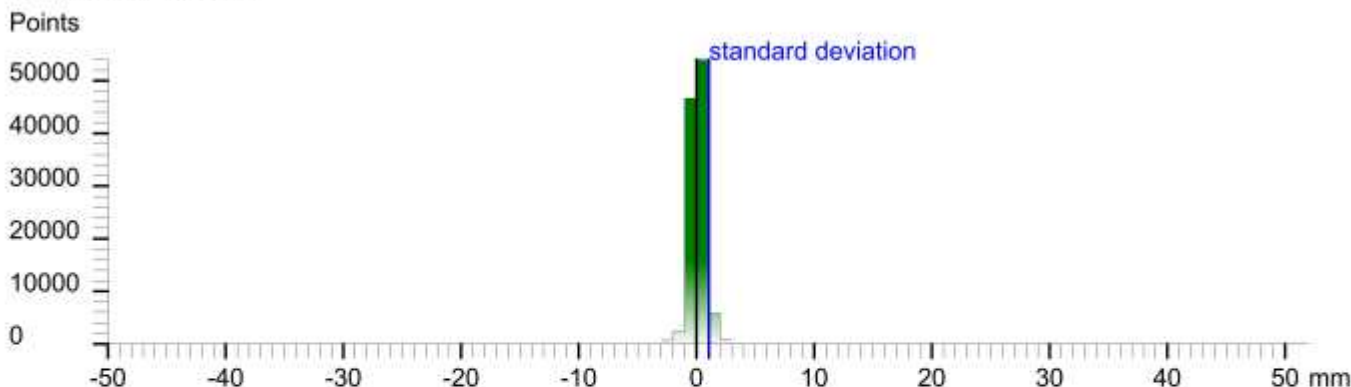
Result registration to 48. Cloud to cloud standard deviation: 4.1 mm

Deviation histogram



Result registration to 51. Cloud to cloud standard deviation: 1.1 mm

Deviation histogram



Scan 'Casa Col.Sc. 49'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
 Laser class of scanner: 1
 Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
 Scan taken at 14:23:23 27.08.2024

Metadata	Value
comment	
operator	

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "49" -file "Casa Col.Sc. 49" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "161" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 ° barometer magnetometer translation rotation gps
 Barometer: 1.012095 bar 9.61703 m
 Magnetometer: -57.8000 15.8000 -92.8000
 nav translation: -5.2269 m 0.8317 m 9.9180 m accuracies: 7.7228 m 7.7228 m 0.0006 m
 nav rotation: 0.1676 1.0243 306.8283 accuracies: 0.0000 0.0000 15.0000
 upside-down: no
 GPS lat:45.439922 long:28.048159 satellites:6 height:-35.4m hdop:1.9 vdop:1.7m hacc:25.0m vacc:14.0 utc:40889 flags:G3 'stand alone 3D solution'
 north:5032356.375 m east:581976.262 m zone:35T
 Initial pre position (3:outdoor)

0.599324	-0.800307	0.017877	-98.9113	m
0.800463	0.599375	-0.002924	44.8224	m
-0.008375	0.016062	0.999836	-4.6347	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 44.277° Azimuth: 229.337° Azimuth to Scan 0 = -69.690°

Scan position '5'

Scan position is member of group(s):

Status registration 'registered with bundleadjustment with cloud to cloud'

Optimized

Connection standard deviation

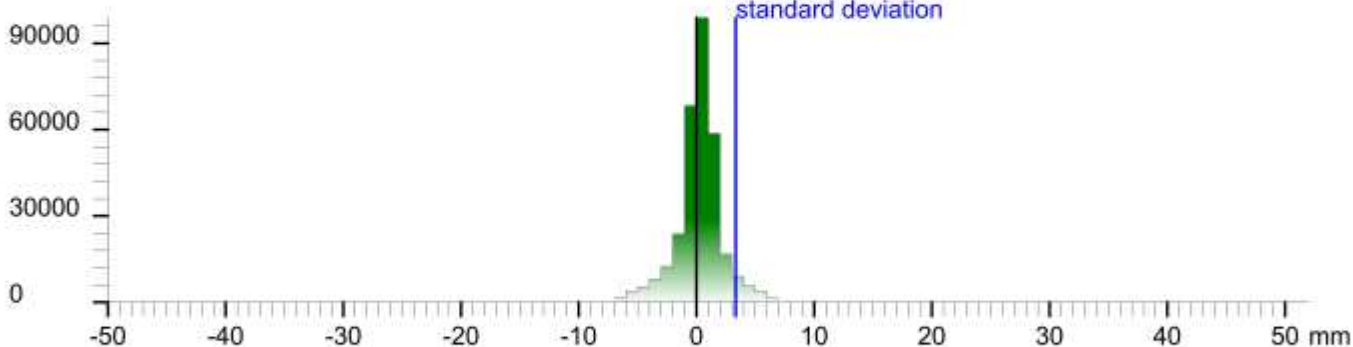
from 23: 4.4 mm

from 4: 3.5 mm

Result registration from 4. Cloud to cloud standard deviation:3.3 mm

Deviation histogram

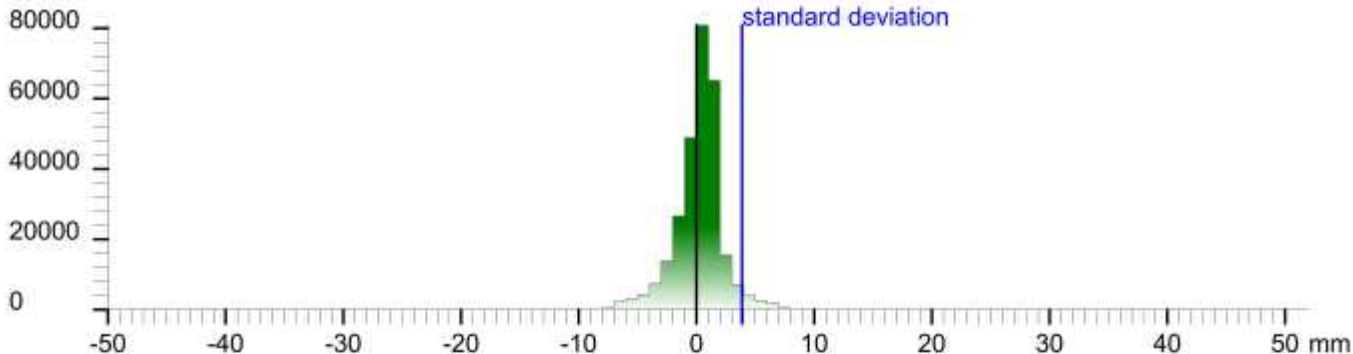
Points



Result registration from 23. Cloud to cloud standard deviation:3.9 mm

Deviation histogram

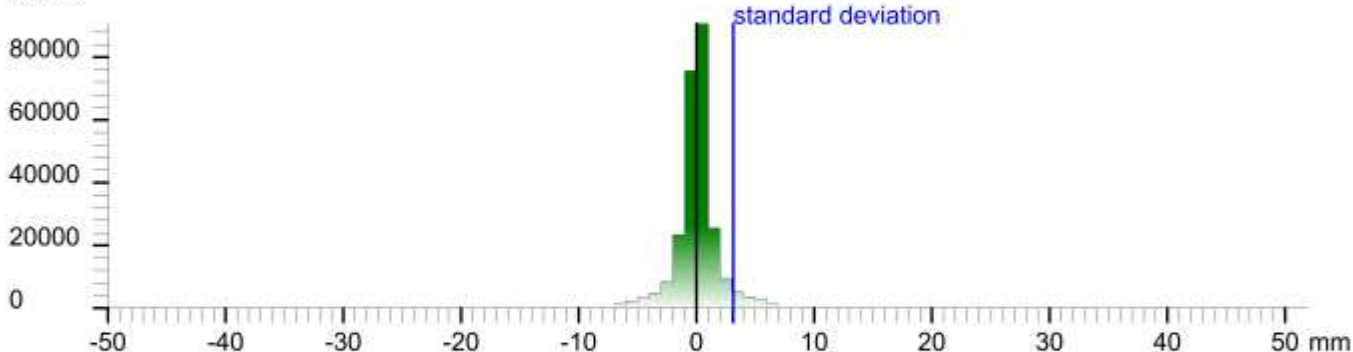
Points



Result registration to 6. Cloud to cloud standard deviation:3.1 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 5'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 08:53:20 27.08.2024

Metadata Value

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "5" -file "Casa Col.Sc. 5" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -from "0" -to "181" -hfrom1 "20" -hto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15484 ° barometer magnetometer translation rotation gps

Barometer: 1.011670 bar 13.1589 m

Magnetometer: -36.5000 58.2000 -92.8000

nav translation: -4.2175 m -3.0501 m 13.4837 m accuracies: 7.6419 m 7.6419 m 0.0001 m

nav rotation: -0.8704 -0.5984 174.9635 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439472 long:28.049175 satellites:8 height:59.4m hdop:0.7 vdop:1.0m hacc:2.9m vacc:3.8 utc:21086 flags:D3 'differential 3D solution'

north:5032307.404 m east:582056.424 m zone:35T

Initial pre position (3.outdoor)

-0.996085	0.087786	-0.010409	-18.7979	m
-0.087938	-0.996010	0.015190	-4.1343	m
-0.009034	0.016046	0.999630	-1.0689	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

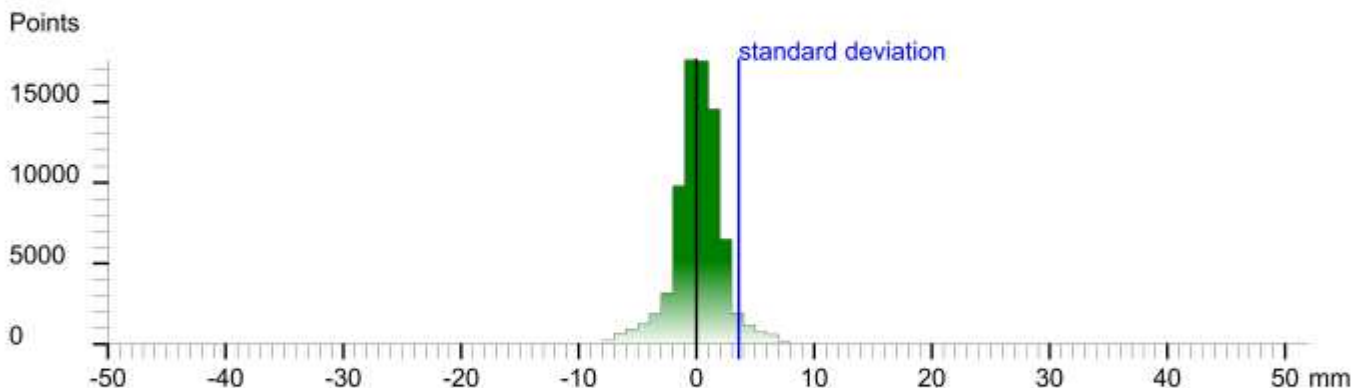
Sun position info: Altitude: 35.121° Azimuth: 114.542° Azimuth to Scan 0 = -65.756°

Scan position '50'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 49: 3.2 mm

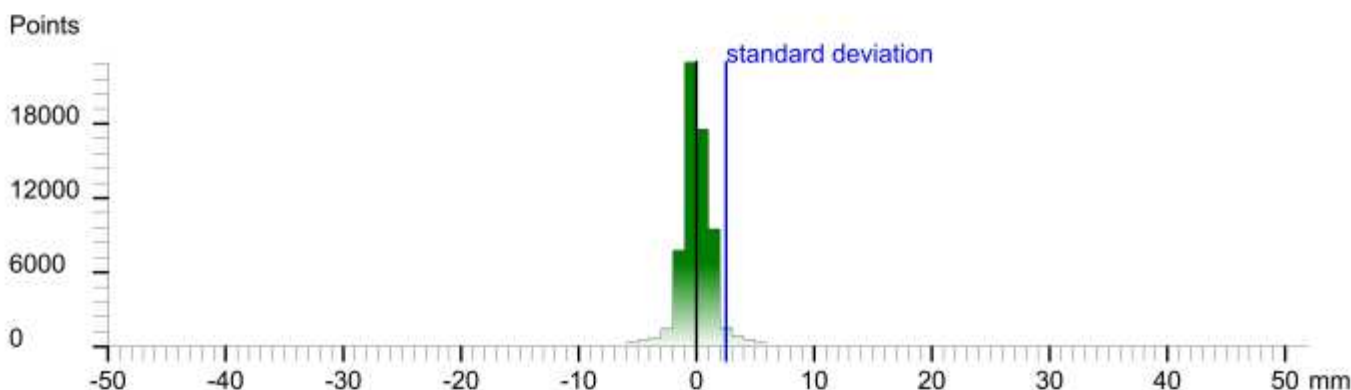
Result registration from 49. Cloud to cloud standard deviation:3.6 mm

Deviation histogram



Result registration to 51. Cloud to cloud standard deviation:2.5 mm

Deviation histogram



Scan 'Casa Col.Sc. 50'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 14:29:24 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "50" -file "Casa Col.Sc. 50" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps*
Barometer: 1.012046 bar 10.0293 m
Magnetometer: -57.2000 19.5000 -97.8000
nav translation: 0.0119 m 2.6308 m 9.9329 m accuracies: 6.3357 m 6.3357 m 0.0004 m
nav rotation: 0.0898 1.0996 302.1830 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439301 long:28.049328 satellites:8 height:125.0m hdop:1.0 vdop:1.3m hacc:13.0m vacc:22.0m utc:41250 flags:D3 'differential 3D solution'
north:5032288.489 m east:582068.606 m zone:35T
Initial pre position (3:outdoor)
0.532528 -0.846195 0.019190 -98.8994 m
0.846366 0.532600 -0.001566 47.4532 m
-0.008895 0.017076 0.999815 -4.6197 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

Sun position info: Altitude: 43.467° Azimuth: 231.053° Azimuth to Scan 0 = -64.774°

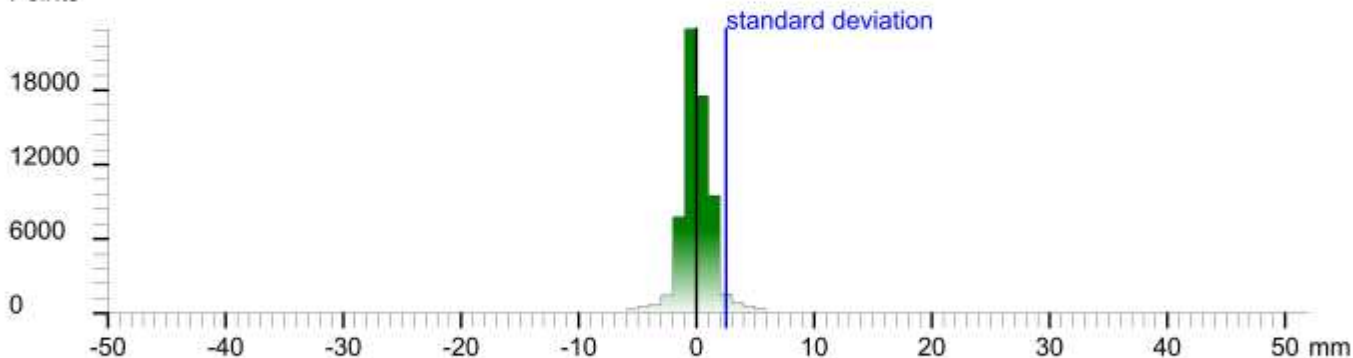
Scan position '51'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 49: 1.3 mm
from 50: 2.1 mm

Result registration from 50. Cloud to cloud standard deviation:2.5 mm

Deviation histogram

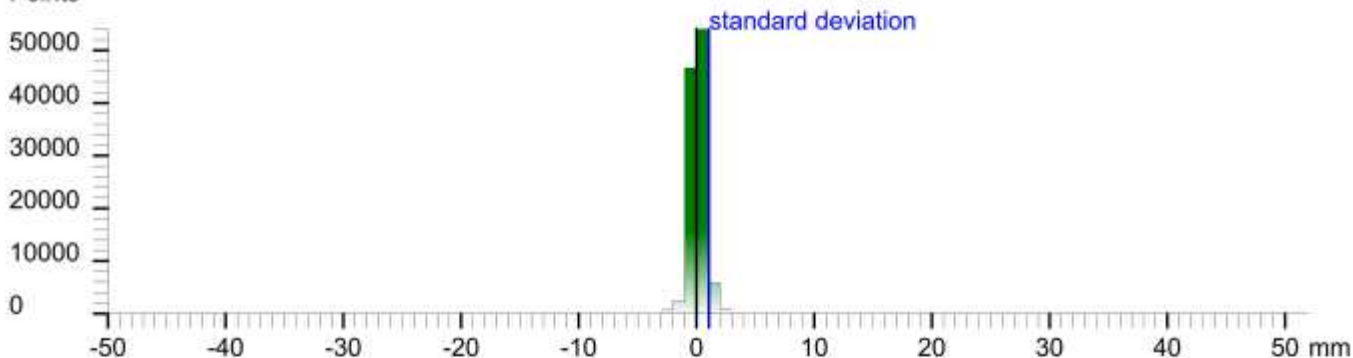
Points



Result registration from 49. Cloud to cloud standard deviation:1.1 mm

Deviation histogram

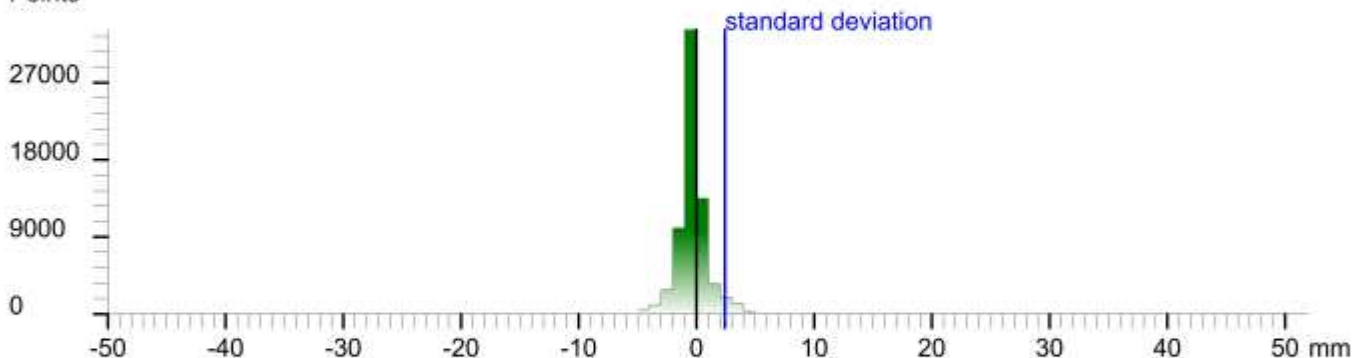
Points



Result registration to 22. Cloud to cloud standard deviation:2.4 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 51'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 14:36:16 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "51" -file "Casa Col.Sc. 51" -path "Casa Colectiilor GL." -project "Casa Colectiilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -fho "181" -fifrom1 "20" -fho1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 ° barometer magnetometer translation rotation gps

Barometer: 1.012142 bar 9.22566 m

Magnetometer: -21.7000 25.4000 -90.5000

nav translation: 1.6936 m -0.5830 m 9.1583 m accuracies: 5.9135 m 5.9135 m 0.0005 m

nav rotation: 0.7407 -0.7770 73.4474 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.441673 long:28.045023 satellites:7 height:54.9m hdop:1.2 vdop:1.5m hacc:44.0m vacc:24.0 utc:41661 flags:G3 'stand alone 3D solution'

north:5032547.705 m east:581728.493 m zone:35T

Initial pre position (3.outdoor)

0.284870	0.958470	-0.013560	-97.2058	m
-0.958528	0.284704	-0.012927	46.8602	m
-0.008529	0.016680	0.999624	-5.3944	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

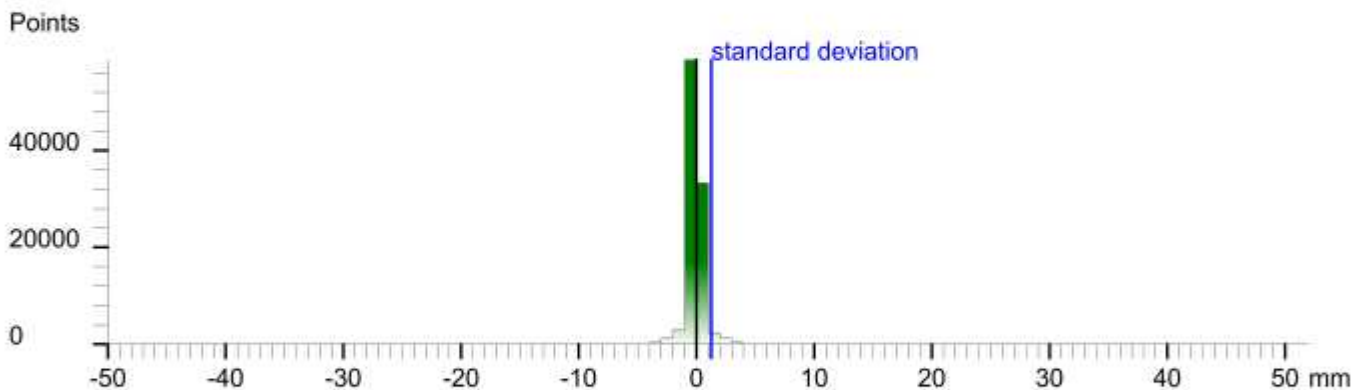
Sun position info: Altitude: 42.498° Azimuth: 233.002° Azimuth to Scan 0 = -194.412°

Scan position '52'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 26: 1.5 mm

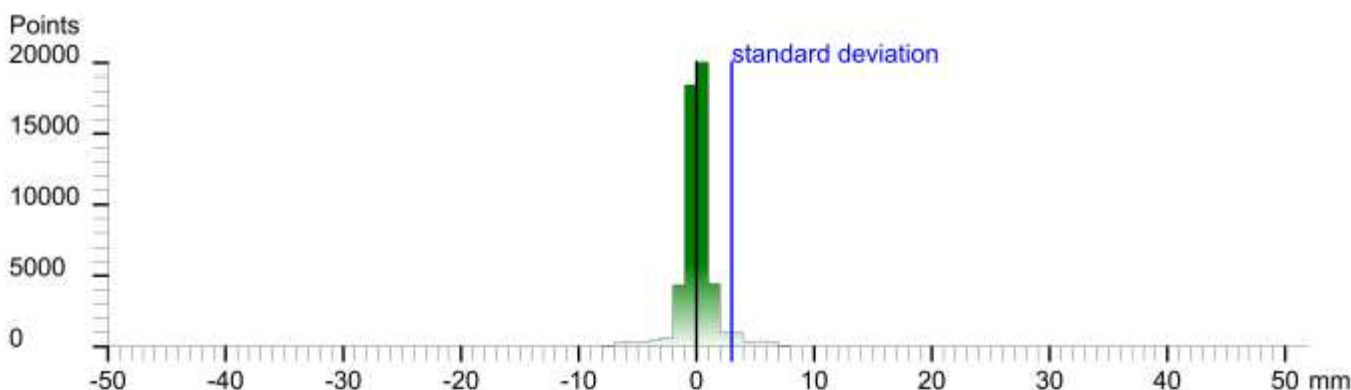
Result registration from 26. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



Result registration to 53. Cloud to cloud standard deviation:3.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 52'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 14:44:07 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "52" -file "Casa Col.Sc. 52" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.012187 bar 8.85318 m
Magnetometer: -51.0000 16.8000 -94.7000
nav translation: 0.6585 m -0.2285 m 8.9794 m accuracies: 5.3712 m 5.3712 m 0.0004 m
nav rotation: 0.4470 0.9471 -36.0603 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.441898 long:28.054844 satellites:6 height:-322.7m hdop:3.4 vdop:5.1m hacc:34.0m vacc:26.0 utc:42132 flags:G3 'stand alone 3D solution'
north:5032582.739 m east:582496.233 m zone:35T
Initial pre position (0:indoor)
0.808287 -0.588556 0.016529 -96.5473 m
0.588723 0.808297 -0.007801 46.6317 m
-0.008769 0.016036 0.999833 -5.5732 m
0.000000 0.000000 0.000000 1.0000 m

Level system info: Level available.

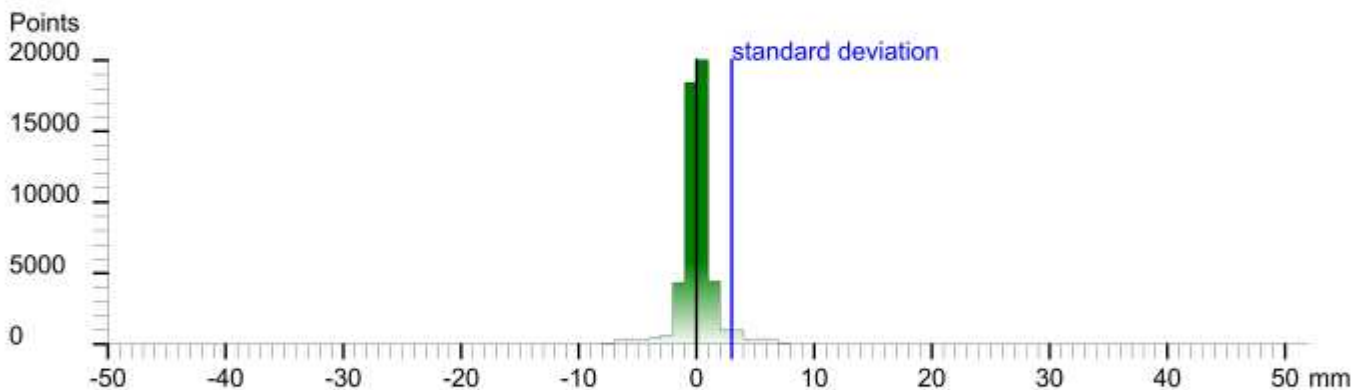
Sun position info: Altitude: 41.361° Azimuth: 235.165° Azimuth to Scan 0 = -86.166°

Scan position '53'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 52: 3.0 mm

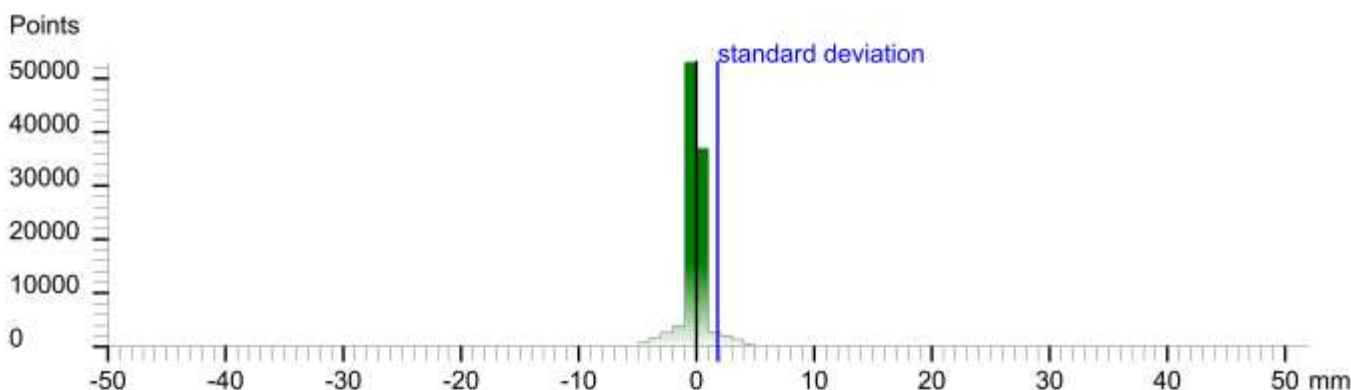
Result registration from 52. Cloud to cloud standard deviation:3.0 mm

Deviation histogram



Result registration to 54. Cloud to cloud standard deviation:1.8 mm

Deviation histogram



Scan 'Casa Col.Sc. 53'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 14:53:54 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "53" -file "Casa Col.Sc. 53" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.012047 bar 10.0233 m
Magnetometer: -41.9000 12.9000 -91.7000
nav translation: 1.2308 m 1.9971 m 9.9502 m accuracies: 6.2065 m 6.2065 m 0.0000 m
nav rotation: 0.8877 0.5698 -5.9232 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

0.994812	-0.103191	0.009944	-95.3165	m
0.103337	0.994526	-0.015492	-48.6288	m
-0.008291	0.016436	0.999831	-4.8024	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

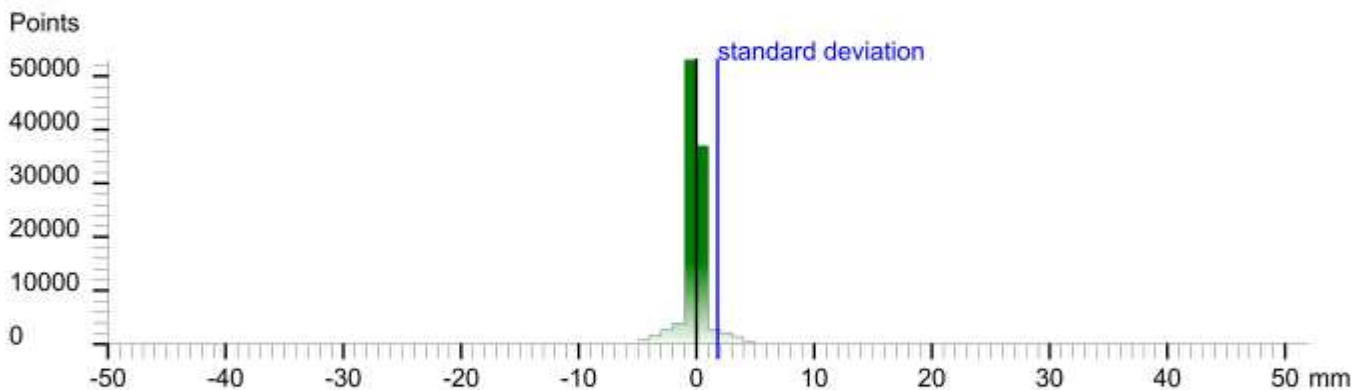
Sun position info: Altitude: 40.045° Azimuth: 237.520° Azimuth to Scan 0 = -116.257°

Scan position '54'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 53: 1.8 mm

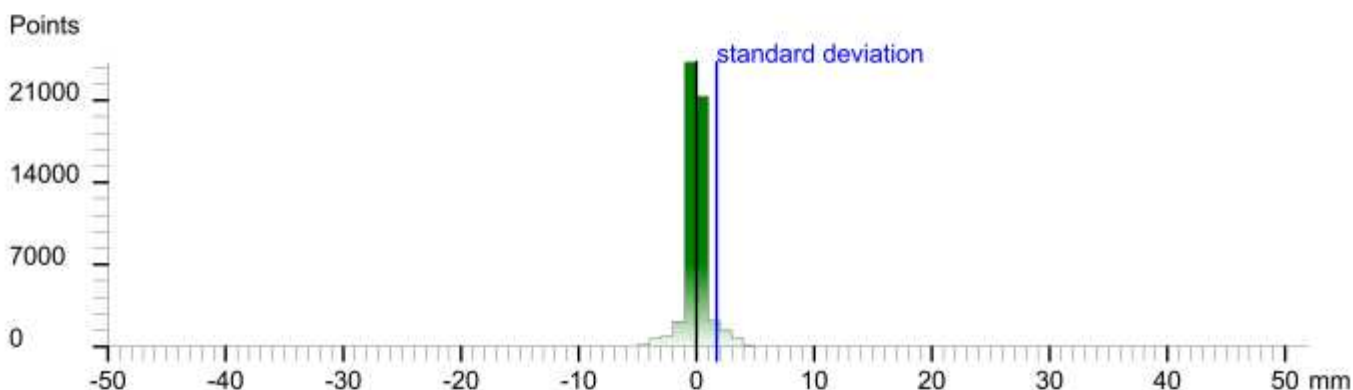
Result registration from 53. Cloud to cloud standard deviation:1.8 mm

Deviation histogram



Result registration to 55. Cloud to cloud standard deviation:1.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 54'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 15:02:19 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "54" -file "Casa Col.Sc. 54" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.012012 bar 10.3114 m
Magnetometer: -22.1000 28.9000 -90.3000
nav translation: 0.5711 m 0.2063 m 10.4628 m accuracies: 5.3267 m 5.3267 m 0.0004 m
nav rotation: 0.9205 -0.5225 58.1862 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

0.527138	0.849731	-0.009119	-94.7454	m
-0.849733	0.526968	-0.016065	-48.8371	m
-0.008846	0.016217	0.999629	-4.0898	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

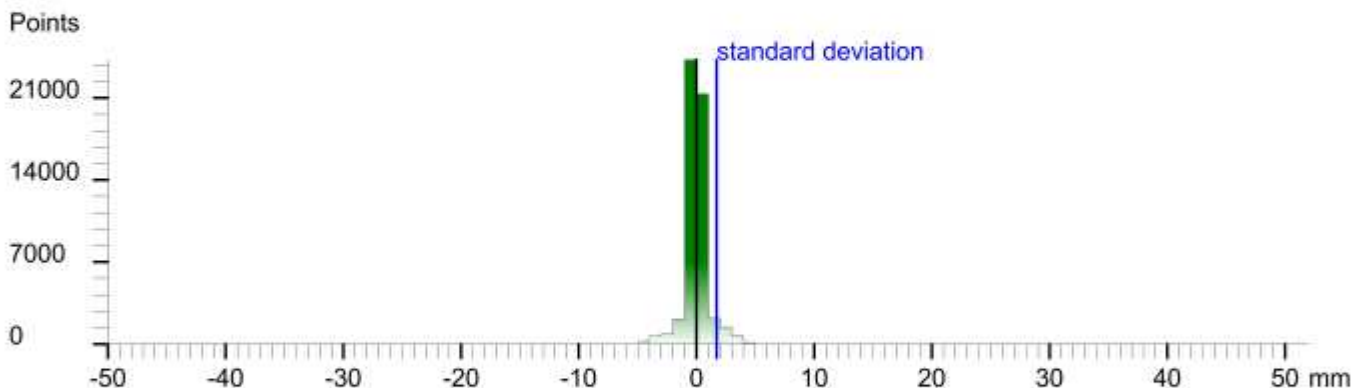
Sun position info: Altitude: 38.696° Azimuth: 239.795° Azimuth to Scan 0 = -179.652°

Scan position '55'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 54: 1.7 mm

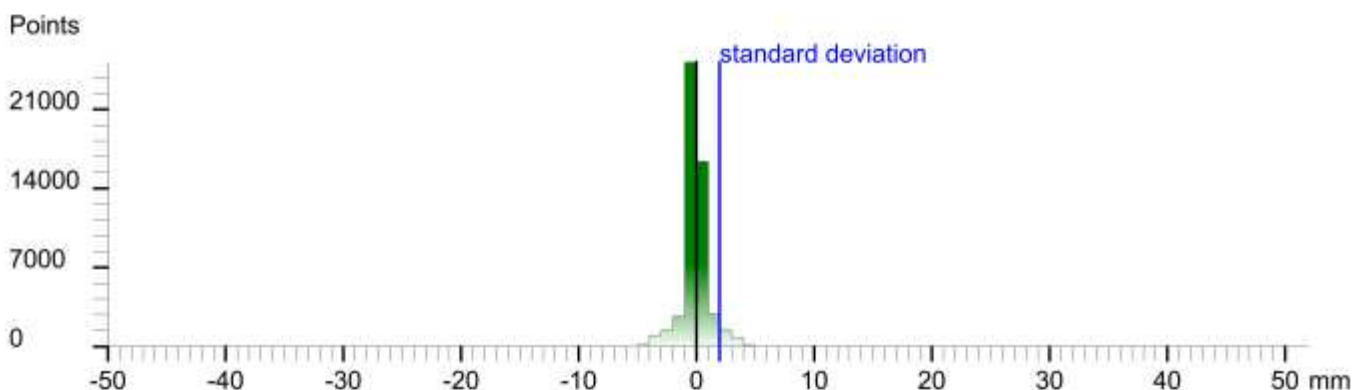
Result registration from 54. Cloud to cloud standard deviation:1.7 mm

Deviation histogram



Result registration to 56. Cloud to cloud standard deviation:2.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 55'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 15:07:59 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "55" -file "Casa Col.Sc. 55" -path "Casa Colectilior GL" -project "Casa Colectilior GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011929 bar 11.0058 m
Magnetometer: -45.6000 11.4000 -94.7000
nav translation: 0.0035 m 0.2846 m 10.9594 m accuracies: 5.1640 m 5.1640 m 0.0002 m
nav rotation: 0.6293 0.8215 -23.7349 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

0.915324	-0.402464	0.014337	-94.7419	m
0.402625	0.915299	-0.010983	-49.1217	m
-0.008702	0.015825	0.999837	-3.5932	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

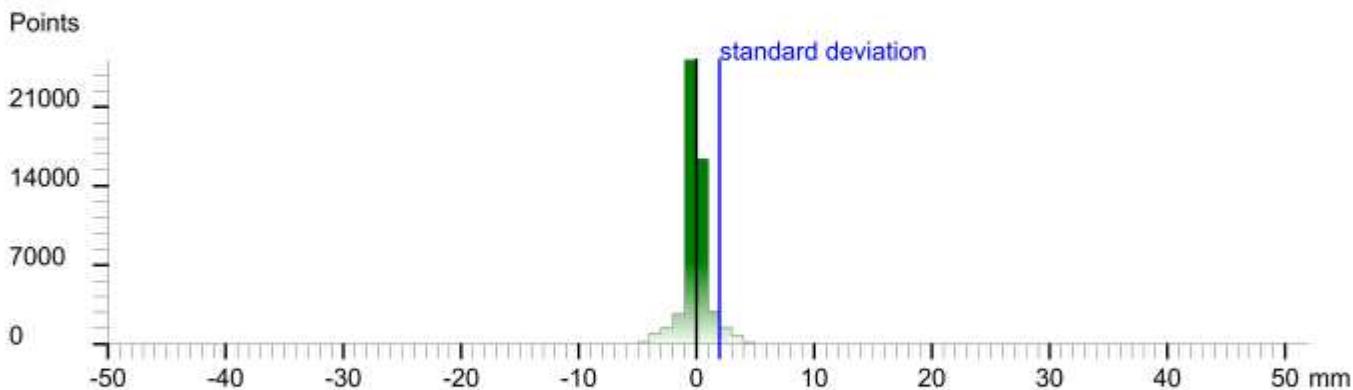
Sun position info: Altitude: 37.933° Azimuth: 241.027° Azimuth to Scan 0 = -97.149°

Scan position '56'

Scan position is member of group(s):
 Status registration 'registered with bundleadjustment with cloud to cloud'
 Optimized
 Connection standard deviation
 from 55: 1.9 mm

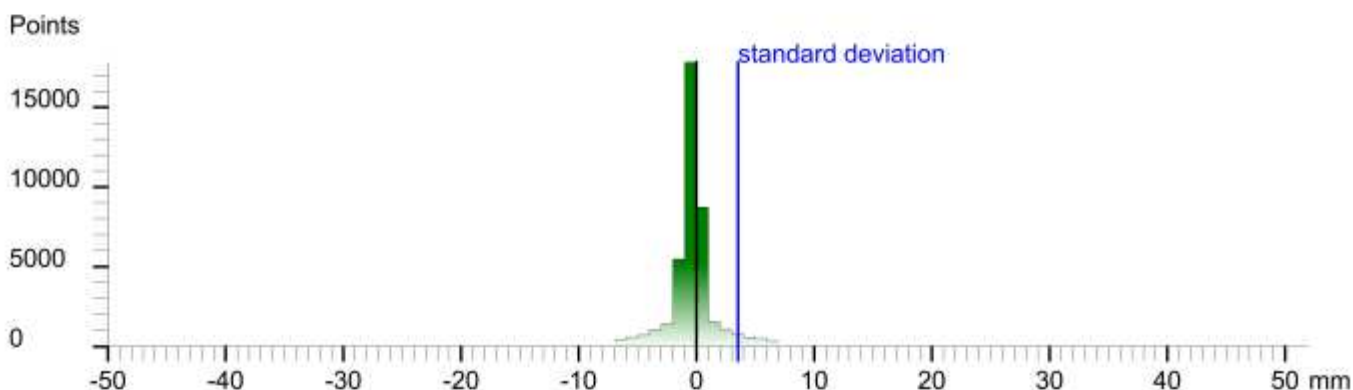
Result registration from 55. Cloud to cloud standard deviation:2.0 mm

Deviation histogram



Result registration to 57. Cloud to cloud standard deviation:3.5 mm

Deviation histogram



Scan 'Casa Col.Sc. 56'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
 Laser class of scanner: 1
 Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
 Scan taken at 15:13:12 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "56" -file "Casa Col.Sc. 56" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
 Barometer: 1.011920 bar 11.0743 m
 Magnetometer: -44.5000 14.5000 -92.2000
 nav translation: 0.4170 m 0.7913 m 11.0239 m accuracies: 5.4668 m 5.4668 m 0.0001 m
 nav rotation: 0.5080 0.9286 -33.0240 accuracies: 0.0000 0.0000 15.0000
 upside-down: no
 Initial pre position (0:indoor)

0.838332	-0.544919	0.016207	-94.3249	m
0.545090	0.838331	-0.008864	-49.9130	m
-0.008757	0.016285	0.999629	-3.5287	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

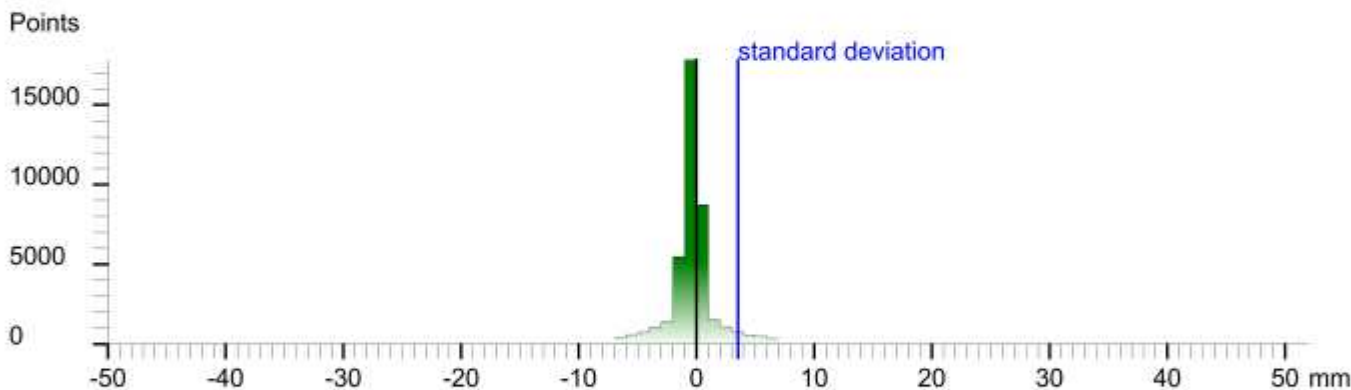
Sun position info: Altitude: 37.005° Azimuth: 242.476° Azimuth to Scan 0 = -89.118°

Scan position '57'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 56: 3.4 mm

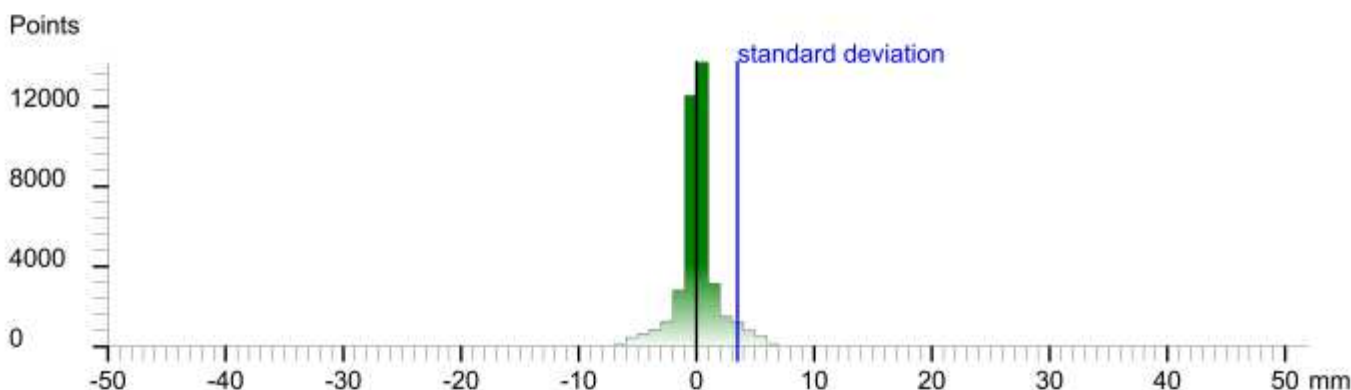
Result registration from 56. Cloud to cloud standard deviation:3.5 mm

Deviation histogram



Result registration to 58. Cloud to cloud standard deviation:3.5 mm

Deviation histogram



Scan 'Casa Col.Sc. 57'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 15:19:17 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "57" -file "Casa Col.Sc. 57" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011938 bar 10.9283 m
Magnetometer: -27.4000 55.5000 -88.1000
nav translation: 0.4947 m 0.9337 m 10.9691 m accuracies: 5.5373 m 5.5373 m 0.0001 m
nav rotation: -0.3243 -1.0562 136.5333 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.725651	0.687816	-0.018433	-83.8302	m
-0.687998	-0.725691	0.005659	50.8466	m
-0.009484	0.016789	0.999814	-3.5835	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

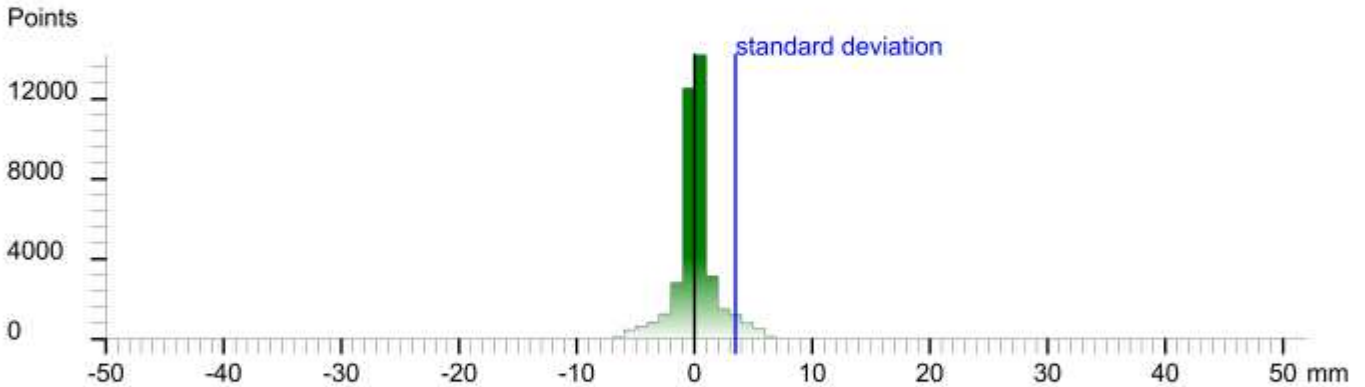
Sun position info: Altitude: 36.065° Azimuth: 243.896° Azimuth to Scan 0 = -258.107°

Scan position '58'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 57: 3.5 mm

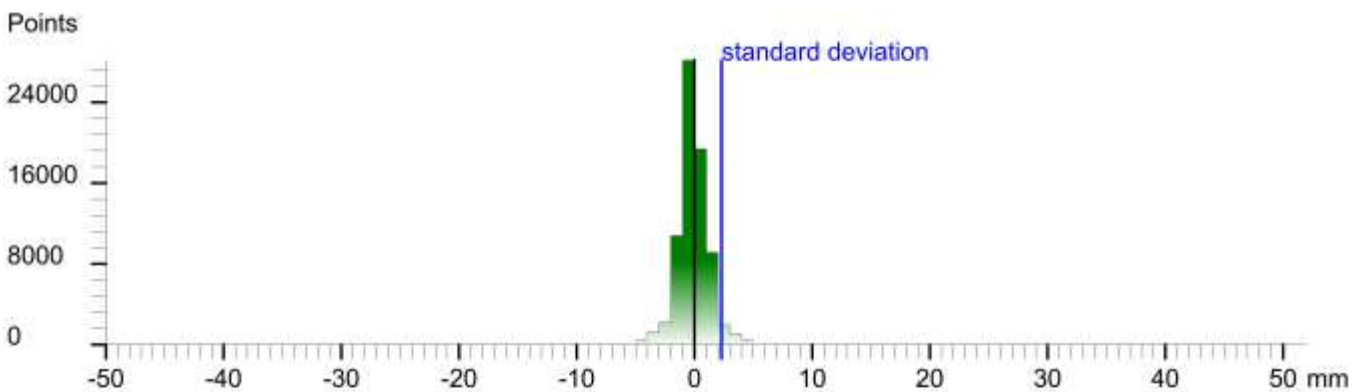
Result registration from 57. Cloud to cloud standard deviation:3.5 mm

Deviation histogram



Result registration to 59. Cloud to cloud standard deviation:2.3 mm

Deviation histogram



Scan 'Casa Col.Sc. 58'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 15:24:43 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "58" -file "Casa Col.Sc. 58" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011874 bar 11.4628 m
Magnetometer: -25.3000 31.1000 -90.8000
nav translation: 1.8346 m -0.8452 m 11.3162 m accuracies: 6.0335 m 6.0335 m 0.0001 m
nav rotation: 1.0191 -0.2893 46.1096 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (D:indoor)

0.693272	0.720658	-0.005050	-91.9956	m
-0.720616	0.693107	-0.017786	50.0014	m
-0.009317	0.015969	0.999629	-3.2364	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

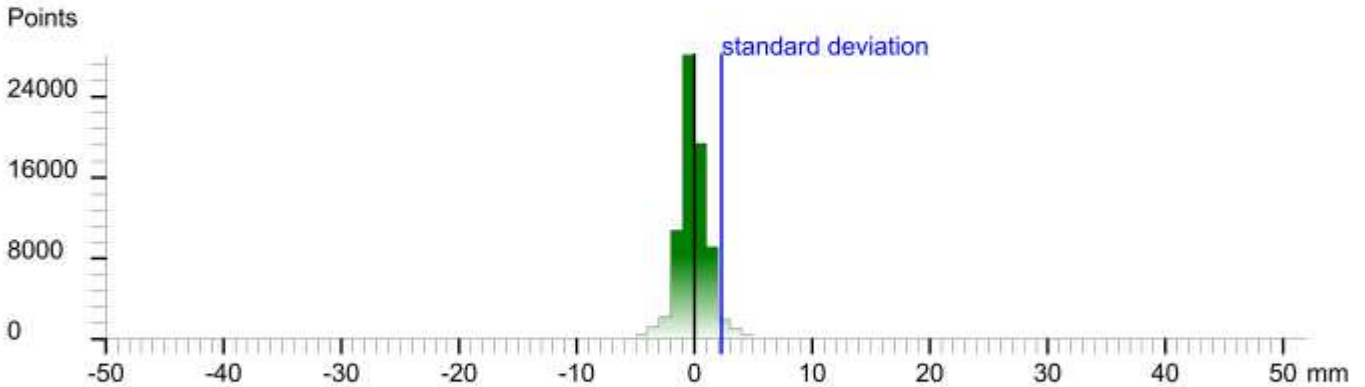
Sun position info: Altitude: 35.273° Azimuth: 245.057° Azimuth to Scan 0 = -184.214°

Scan position '59'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 58: 2.3 mm

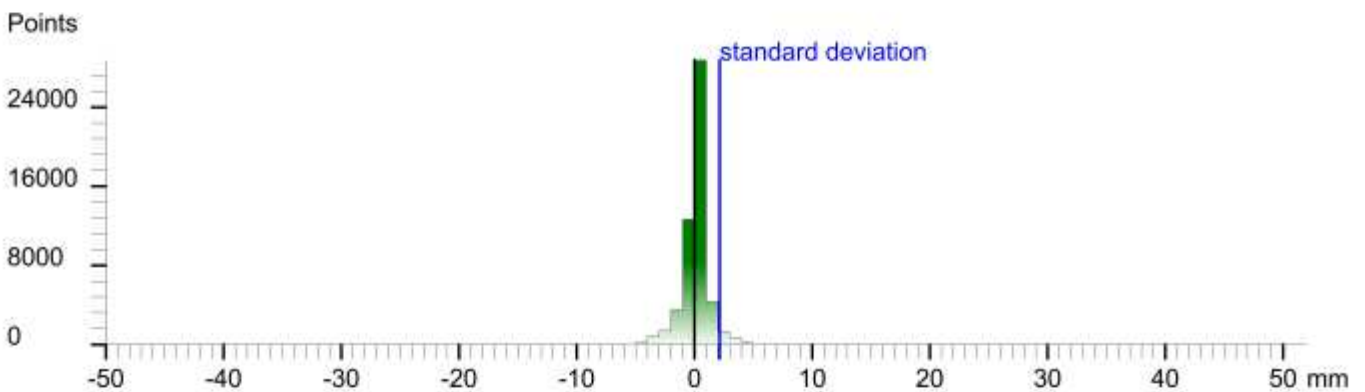
Result registration from 58. Cloud to cloud standard deviation:2.3 mm

Deviation histogram



Result registration to 60. Cloud to cloud standard deviation:2.1 mm

Deviation histogram



Scan 'Casa Col.Sc. 59'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 15:29:42 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "59" -file "Casa Col.Sc. 59" -path "Casa Colectilior GL" -project "Casa Colectilior GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011871 bar 11.4876 m
Magnetometer: -25.6000 55.5000 -91.5000
nav translation: 1.0205 m -1.0325 m 11.5746 m accuracies: 5.7597 m 5.7597 m 0.0003 m
nav rotation: 0.1263 -1.0853 113.0614 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.391648	0.919920	-0.018940	-90.9751	m
-0.920067	-0.391756	-0.002204	-48.9690	m
-0.009447	0.016563	0.999818	-2.9780	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 34.474° Azimuth: 246.199° Azimuth to Scan 0 = -252.439°

Scan position '6'

Scan position is member of group(s):

Status registration 'registered with bundleadjustment with cloud to cloud'

Optimized

Connection standard deviation

from 11: 3.8 mm

from 20: 3.7 mm

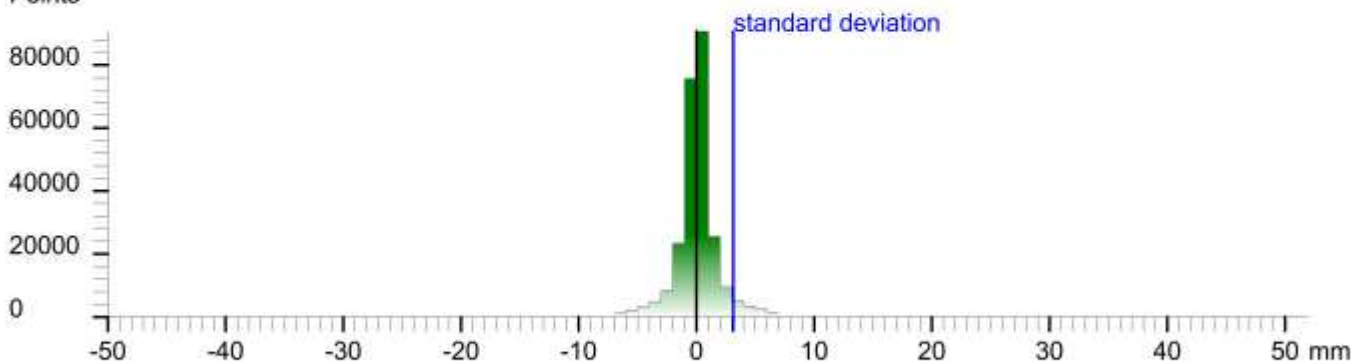
from 5: 3.2 mm

from 7: 3.3 mm

Result registration from 5. Cloud to cloud standard deviation:3.1 mm

Deviation histogram

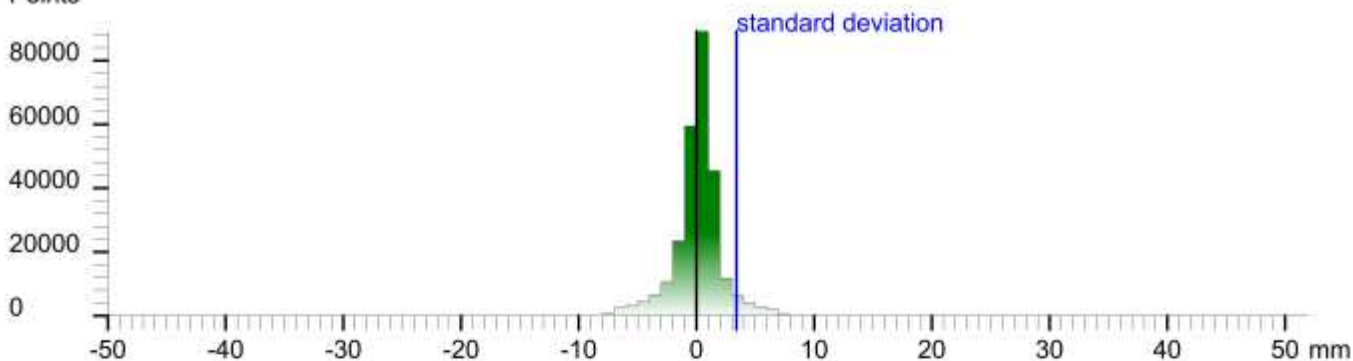
Points



Result registration from 7. Cloud to cloud standard deviation:3.4 mm

Deviation histogram

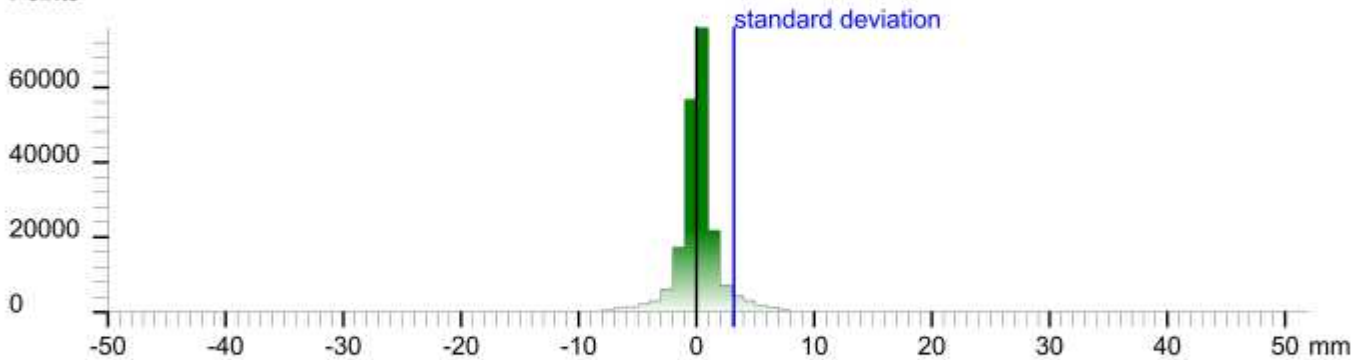
Points



Result registration from 11. Cloud to cloud standard deviation:3.2 mm

Deviation histogram

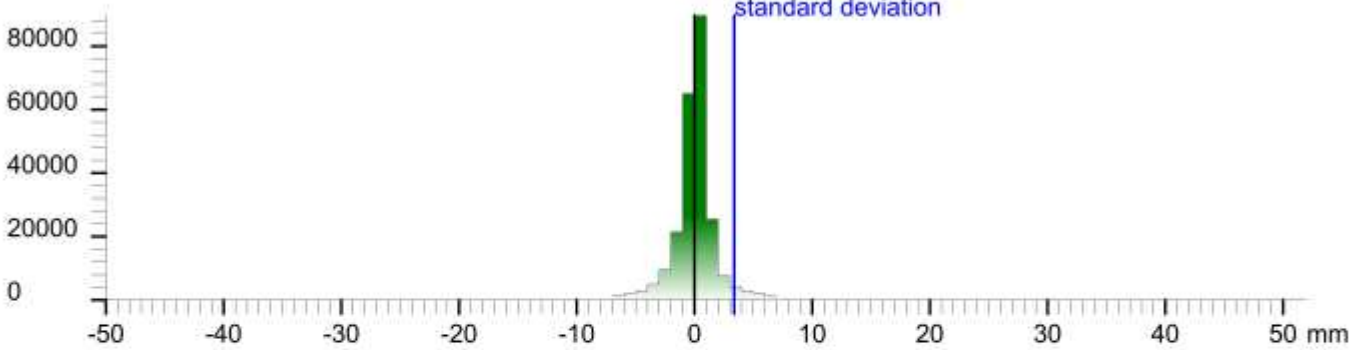
Points



Result registration from 20. Cloud to cloud standard deviation:3.4 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 6'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 08:59:43 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "6" -file "Casa Col.Sc. 6" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 ° barometer magnetometer translation rotation gps

Barometer: 1.011601 bar 13.7392 m

Magnetometer: -56.8000 41.5000 -92.3000

nav translation: -3.8224 m -3.1758 m 13.5252 m accuracies: 7.5223 m 7.5223 m 0.0002 m

nav rotation: -0.9093 0.5556 241.5546 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439419 long:28.049057 satellites:8 height:62.4m hdop:0.8 vdop:1.1m hacc:3.4m vacc:4.1 utc:21468 flags:D3 'differential 3D solution'

north:5032301.350 m east:582047.252 m zone:35T

Initial pre position (3:outdoor)

-0.476299	-0.879230	0.009696	-27.9499	m
0.879234	-0.476126	0.015869	-10.1428	m
-0.009336	0.016084	0.999827	-1.0274	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

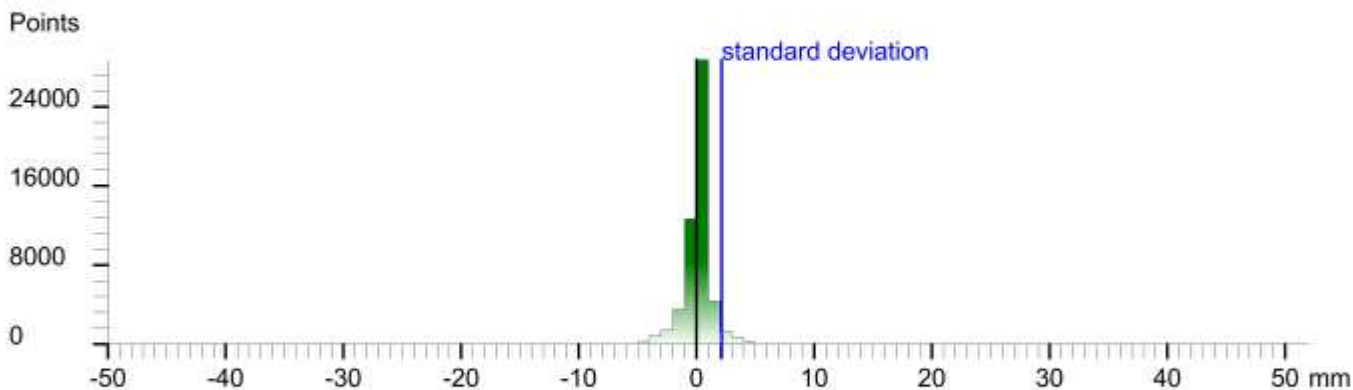
Sun position info: Altitude: 36.071° Azimuth: 115.933° Azimuth to Scan 0 = -132.071°

Scan position '60'

Scan position is member of group(s):
 Status registration 'registered with bundleadjustment with cloud to cloud'
 Optimized
 Connection standard deviation
 from 59: 2.2 mm

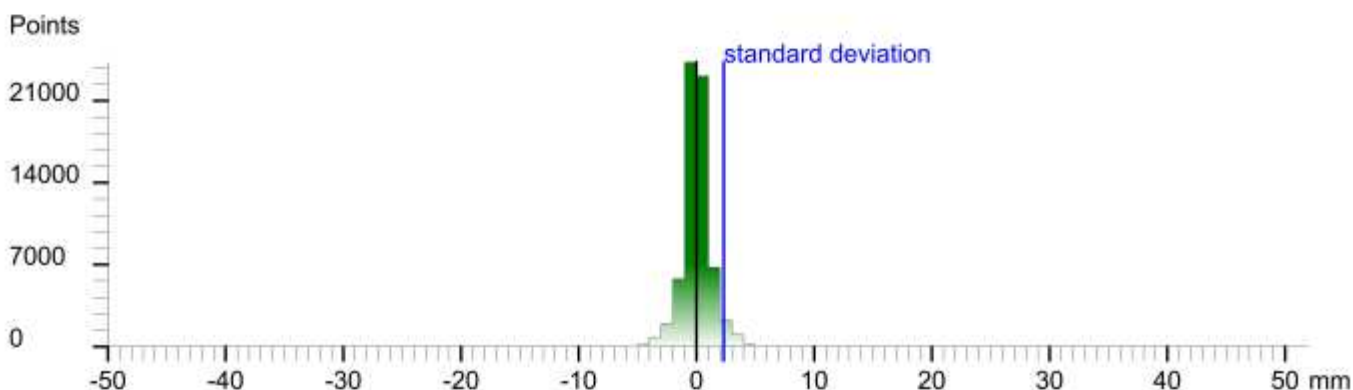
Result registration from 59. Cloud to cloud standard deviation:2.1 mm

Deviation histogram



Result registration to 62. Cloud to cloud standard deviation:2.3 mm

Deviation histogram



Scan 'Casa Col.Sc. 60'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
 Laser class of scanner: 1
 Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
 Scan taken at 15:36:01 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "60" -file "Casa Col.Sc. 60" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
 Barometer: 1.011723 bar 12.7167 m
 Magnetometer: -56.4000 43.0000 -93.1000
 nav translation: -2.1990 m -1.5823 m 12.6669 m accuracies: 6.3960 m 6.3960 m 0.0005 m
 nav rotation: -1.0598 0.1551 214.8332 accuracies: 0.0000 0.0000 15.0000
 upside-down: no
 Initial pre position (0:indoor)

-0.820816	-0.571187	0.002707	-93.1741	m
0.571132	-0.820650	0.018496	47.3866	m
-0.008343	0.016728	0.999825	-1.8858	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 33.343° Azimuth: 247.767° Azimuth to Scan 0 = 5.644°

Scan position '62'

Scan position is member of group(s):

Status registration 'registered with bundleadjustment with cloud to cloud'

Optimized

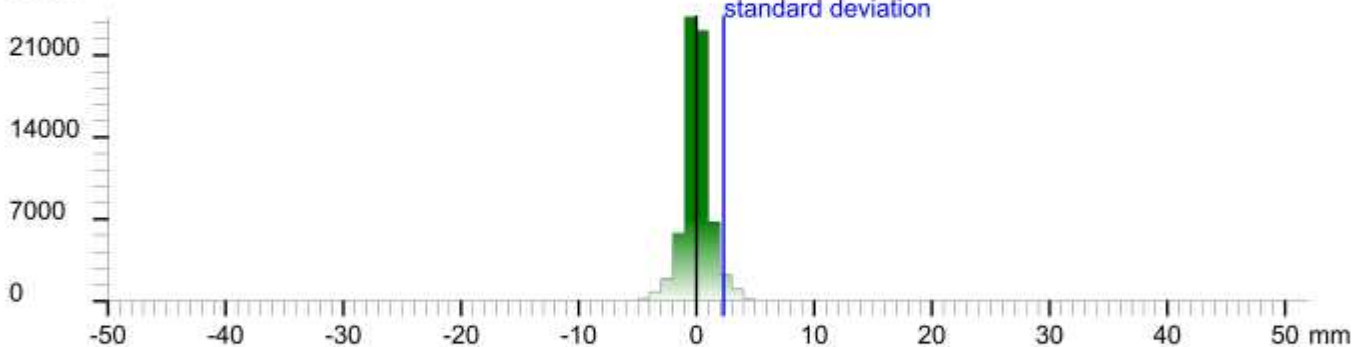
Connection standard deviation

from 60: 2.3 mm

Result registration from 60. Cloud to cloud standard deviation:2.3 mm

Deviation histogram

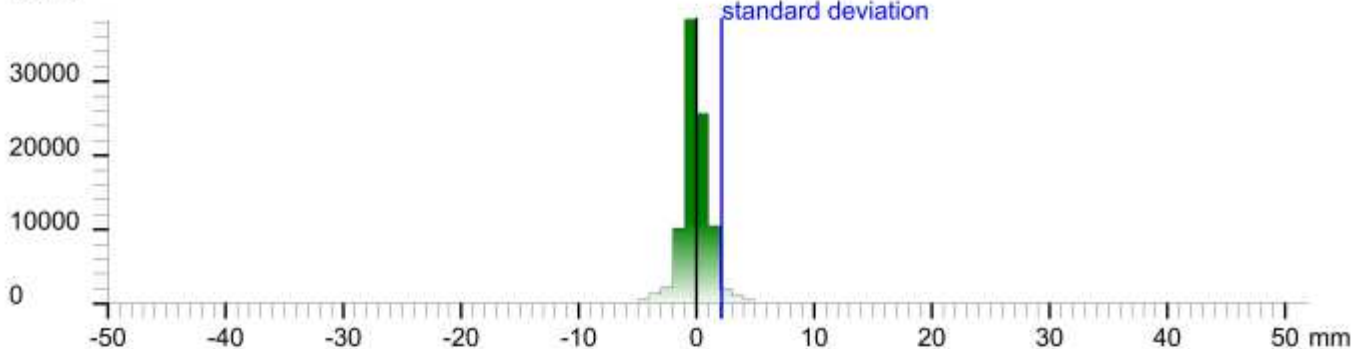
Points



Result registration to 63. Cloud to cloud standard deviation:2.1 mm

Deviation histogram

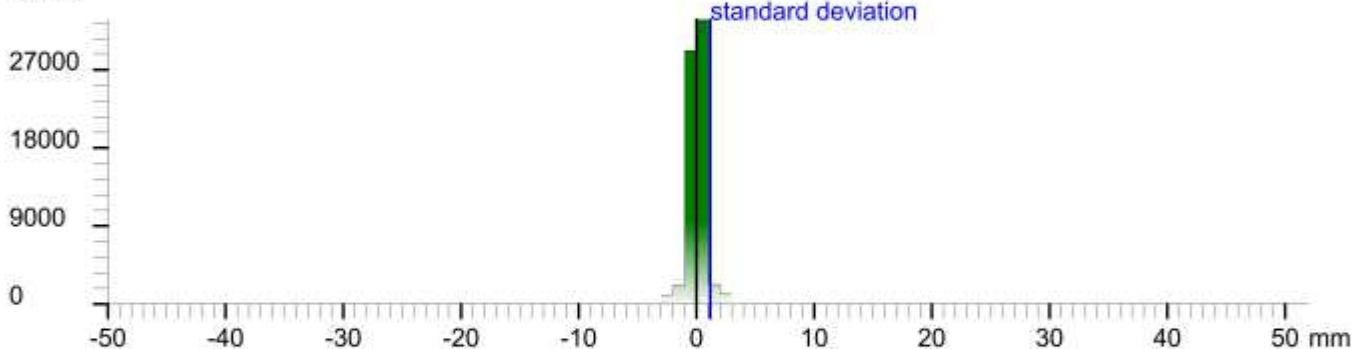
Points



Result registration to 64. Cloud to cloud standard deviation:1.2 mm

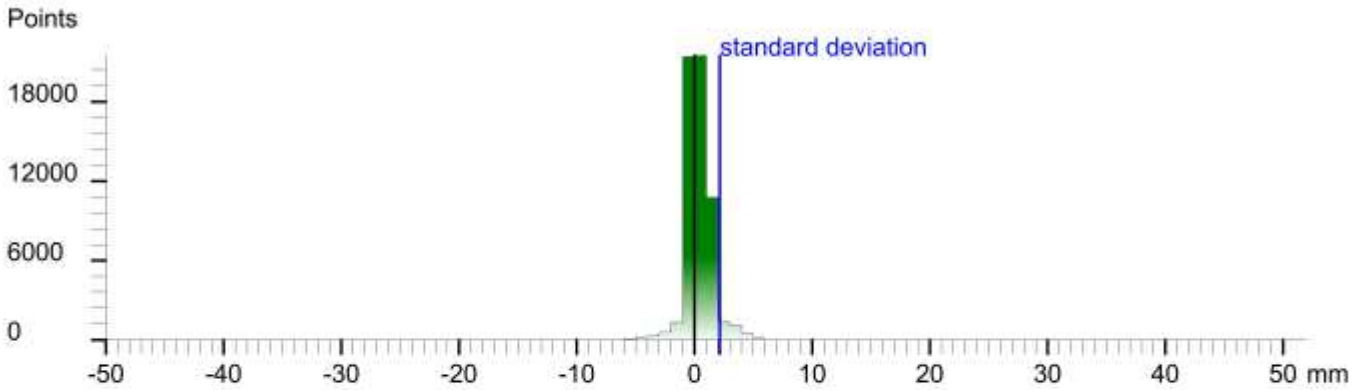
Deviation histogram

Points



Result registration to 78. Cloud to cloud standard deviation:2.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 62'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s

Scan taken at 15:45:26 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "62" -file "Casa Col.Sc. 62" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 ° barometer magnetometer translation rotation

Barometer: 1.011541 bar 14.238 m

Magnetometer: -55.1000 47.3000 -93.3000

nav translation: 0.0000 m 0.0000 m 14.0506 m accuracies: 5.0000 m 5.0000 m 0.0002 m

nav rotation: -1.1386 0.1835 213.5015 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0:indoor)

-0.833867	-0.551955	0.003203	-99.2922	m
0.551902	-0.833672	0.019870	47.4669	m
-0.006297	0.018337	0.999797	-0.5020	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

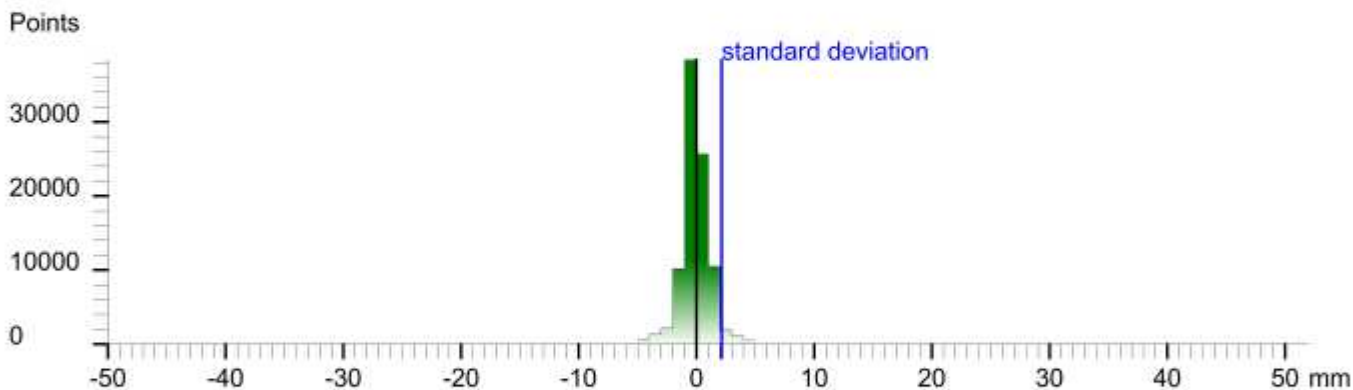
Sun position info: Altitude: 31.871° Azimuth: 249.734° Azimuth to Scan 0 = 6.297°

Scan position '63'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 62: 2.1 mm

Result registration from 62. Cloud to cloud standard deviation:2.1 mm

Deviation histogram



Scan 'Casa Col.Sc. 63'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 15:50:08 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "63" -file "Casa Col.Sc. 63" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -ffrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011513 bar 14.4736 m
Magnetometer: -37.8000 62.1000 -95.8000
nav translation: 0.4056 m -1.0474 m 14.6343 m accuracies: 5.5927 m 5.5927 m 0.0001 m
nav rotation: -0.2282 -1.0669 131.5123 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)
-0.662665 0.748684 -0.018620 -98.8866 m
-0.748857 -0.662720 0.003983 46.4195 m
-0.009358 0.016583 0.999819 0.0817 m
0.000000 0.000000 0.000000 1.0000

Level system info: No information about the level system stored in the ZFS header.

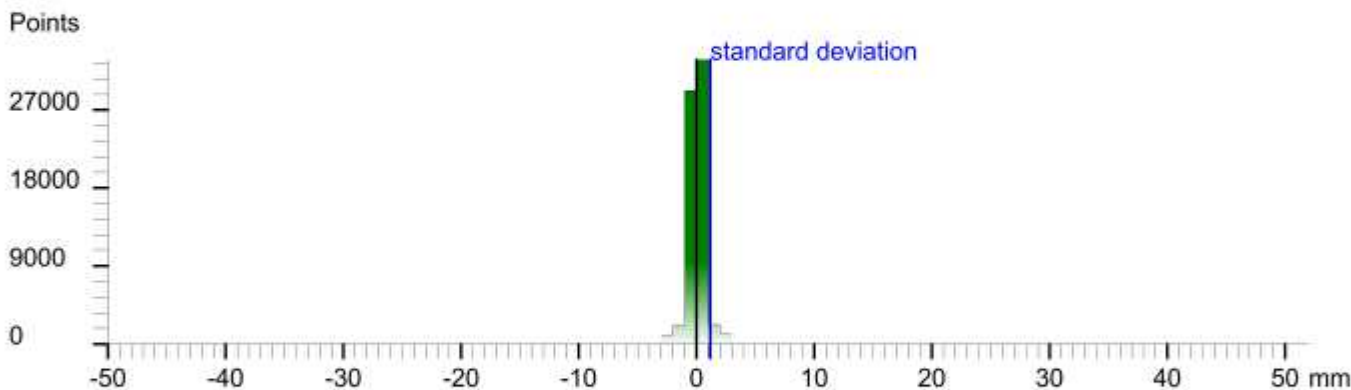
Sun position info: Altitude: 31.046° Azimuth: 250.805° Azimuth to Scan 0 = -271.417°

Scan position '64'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 62: 1.2 mm

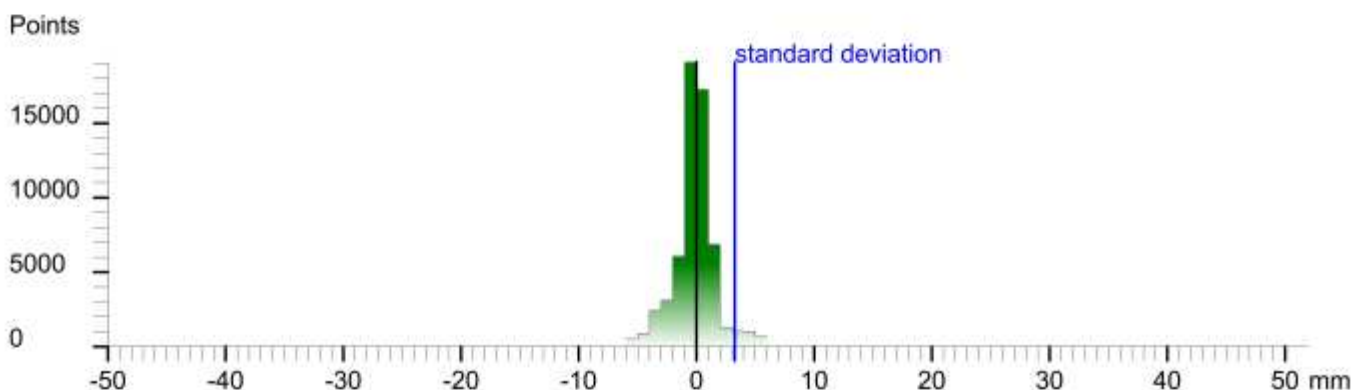
Result registration from 62. Cloud to cloud standard deviation:1.2 mm

Deviation histogram



Result registration to 65. Cloud to cloud standard deviation:3.2 mm

Deviation histogram



Scan 'Casa Col.Sc. 64'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 15:55:53 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "64" -file "Casa Col.Sc. 64" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011486 bar 14.6982 m
Magnetometer: -42.6000 60.8000 -97.0000
nav translation: -2.3672 m 0.1120 m 14.5508 m accuracies: 6.2793 m 6.2793 m 0.0002 m
nav rotation: -0.7285 -0.7604 167.9846 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.978005	0.208156	-0.013272	-101.2538	m
-0.208323	-0.977977	0.012714	46.5315	m
-0.010333	0.015199	0.999631	-0.0019	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

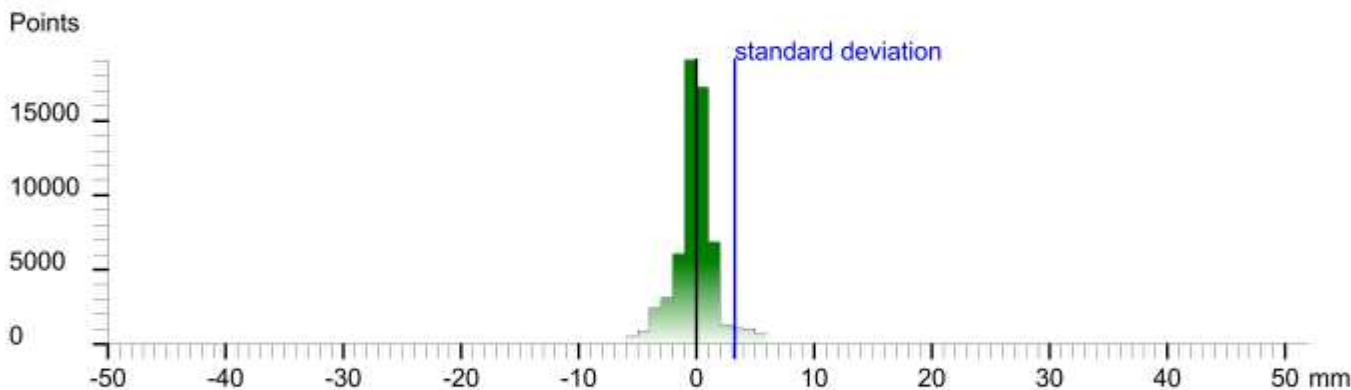
Sun position info: Altitude: 30.215° Azimuth: 251.861° Azimuth to Scan 0 = 52.332°

Scan position '65'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 64: 3.3 mm

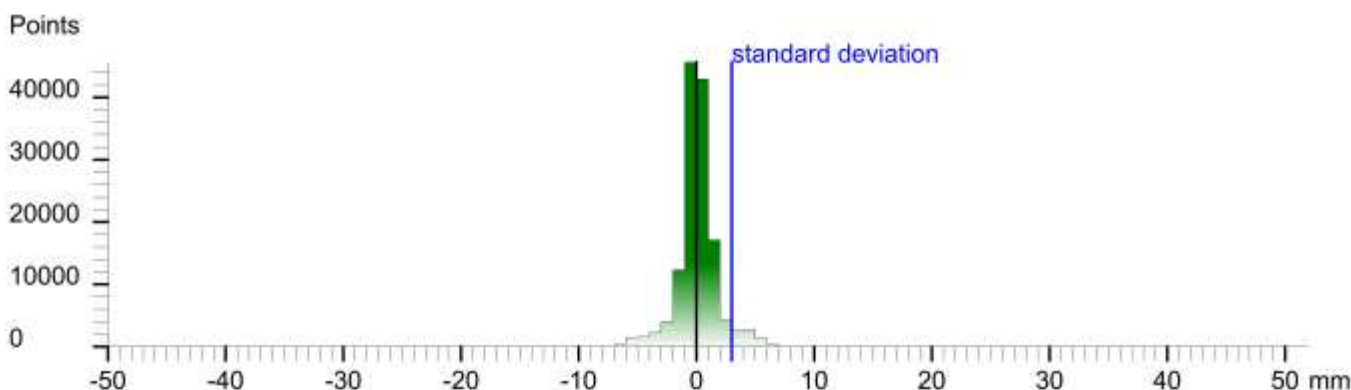
Result registration from 64. Cloud to cloud standard deviation:3.2 mm

Deviation histogram



Result registration to 66. Cloud to cloud standard deviation:3.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 65'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:02:16 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "65" -file "Casa Col.Sc. 65" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011442 bar 15.0619 m
Magnetometer: -53.1000 48.9000 -94.5000
nav translation: -0.5999 m -0.1685 m 14.8894 m accuracies: 5.3249 m 5.3249 m 0.0004 m
nav rotation: -1.0973 -0.1528 203.2123 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.919047	-0.394138	-0.002666	-101.8536	m
0.394020	-0.918902	0.019150	46.3630	m
-0.009998	0.016549	0.999813	0.3368	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

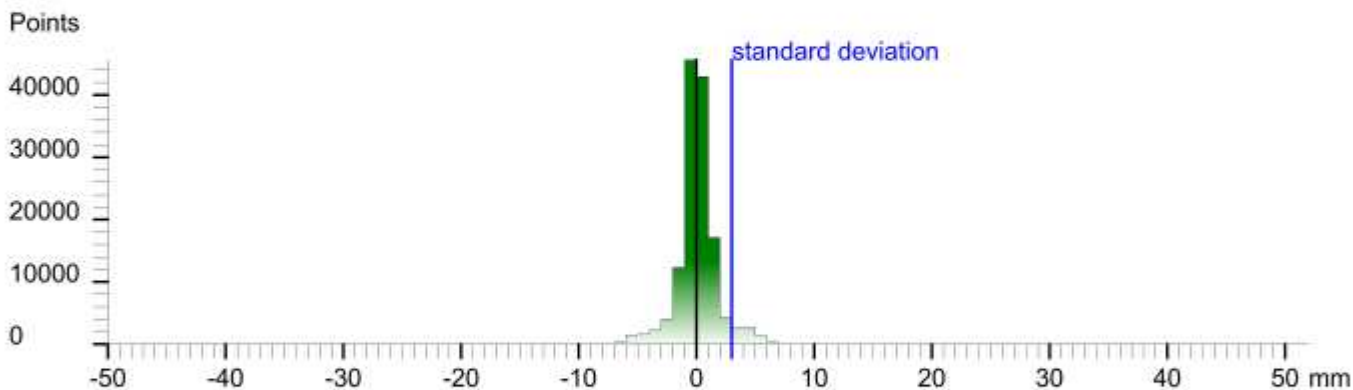
Sun position info: Altitude: 29.043° Azimuth: 253.316° Azimuth to Scan 0 = 16.840°

Scan position '66'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 65: 3.0 mm

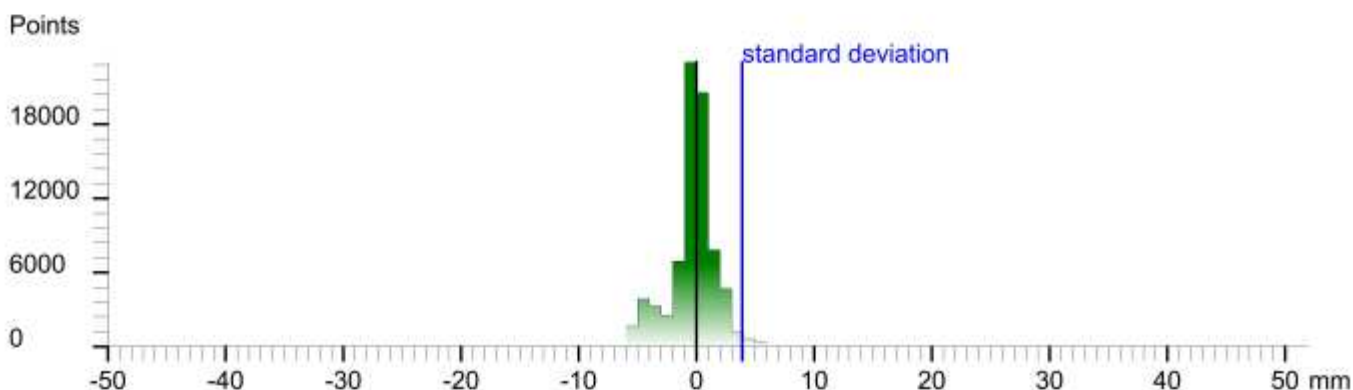
Result registration from 65. Cloud to cloud standard deviation:3.0 mm

Deviation histogram



Result registration to 67. Cloud to cloud standard deviation:3.9 mm

Deviation histogram



Scan 'Casa Col.Sc. 66'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:06:51 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "66" -file "Casa Col.Sc. 66" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011452 bar 14.9814 m
Magnetometer: -27.0000 25.9000 -88.0000
nav translation: -0.0711 m 0.0699 m 14.9880 m accuracies: 5.0806 m 5.0806 m 0.0000 m
nav rotation: 1.1179 0.1515 19.6854 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

0.941553	0.336854	0.002645	-101.9248	m
-0.336743	0.941395	-0.019510	46.4329	m
-0.009062	0.017479	0.999808	0.4354	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

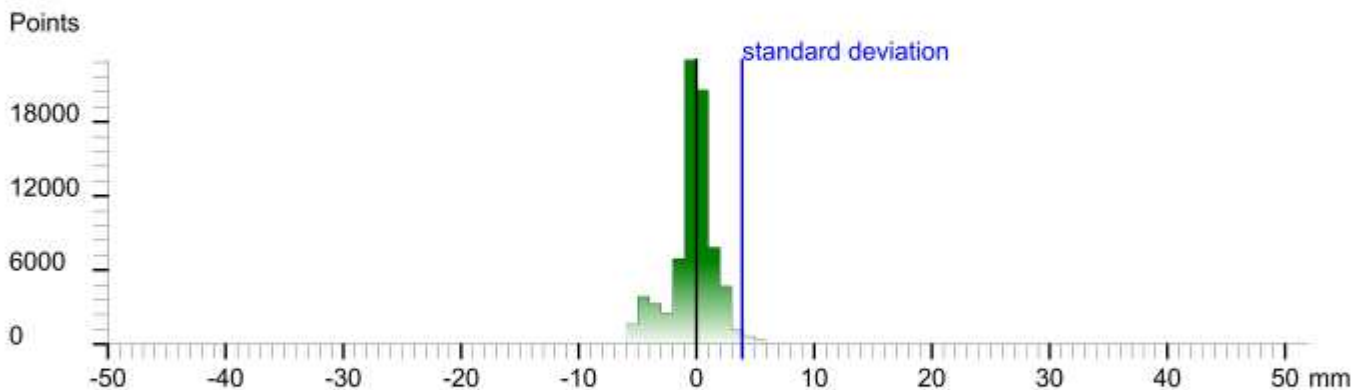
Sun position info: Altitude: 28.369° Azimuth: 254.135° Azimuth to Scan 0 = -160.380°

Scan position '67'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 66: 3.9 mm

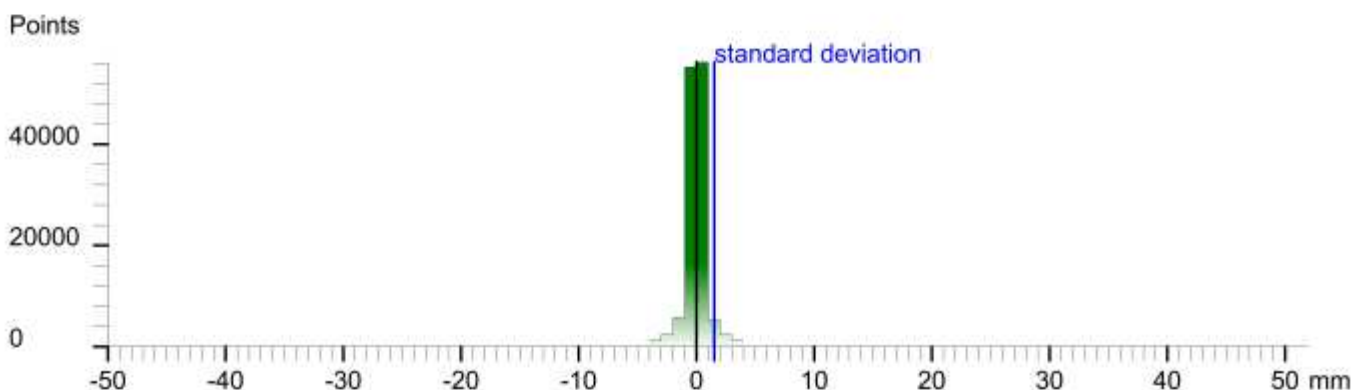
Result registration from 66. Cloud to cloud standard deviation:3.9 mm

Deviation histogram



Result registration to 68. Cloud to cloud standard deviation:1.5 mm

Deviation histogram



Scan 'Casa Col.Sc. 67'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:11:44 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "67" -file "Casa Col.Sc. 67" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011484 bar 14.7121 m
Magnetometer: -31.3000 56.7000 -88.5000
nav translation: 0.2624 m -0.1978 m 14.8111 m accuracies: 5.2148 m 5.2148 m 0.0012 m
nav rotation: 0.0425 -1.0794 120.2346 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)
-0.503452 0.863818 -0.018838 -101.6624 m
-0.863964 -0.503553 -0.000742 46.2351 m
-0.010127 0.015901 0.999622 0.2565 m
0.000000 0.000000 0.000000 1.0000

Level system info: No information about the level system stored in the ZFS header.

Sun position info: Altitude: 27.524° Azimuth: 255.148° Azimuth to Scan 0 = -263.398°

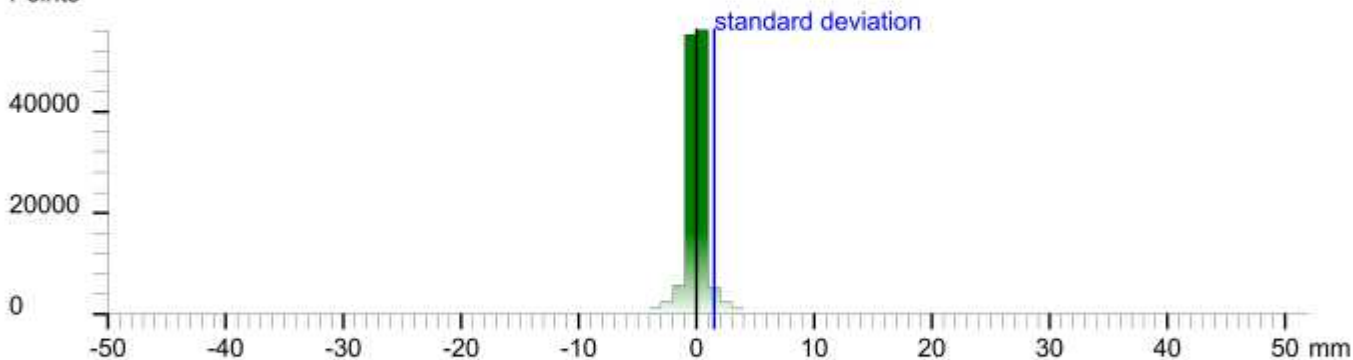
Scan position '68'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 67: 1.5 mm

Result registration from 67. Cloud to cloud standard deviation:1.5 mm

Deviation histogram

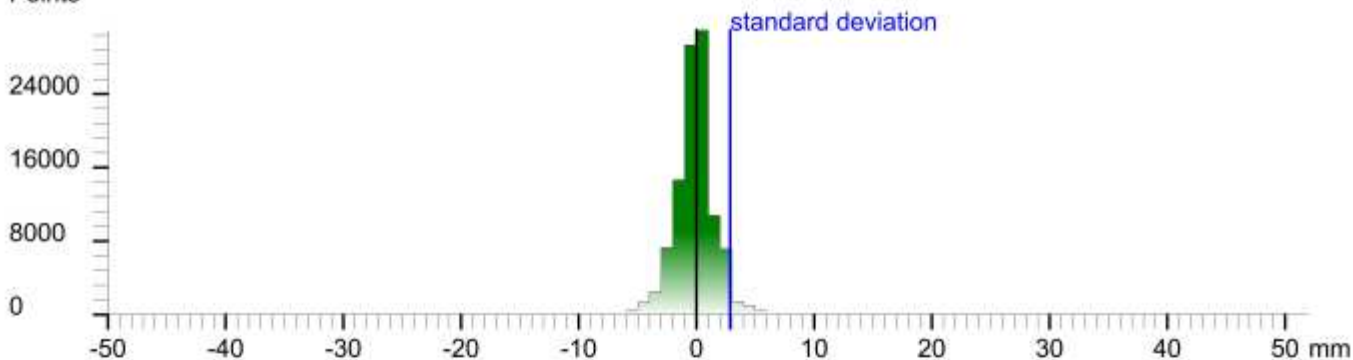
Points



Result registration to 69. Cloud to cloud standard deviation:2.9 mm

Deviation histogram

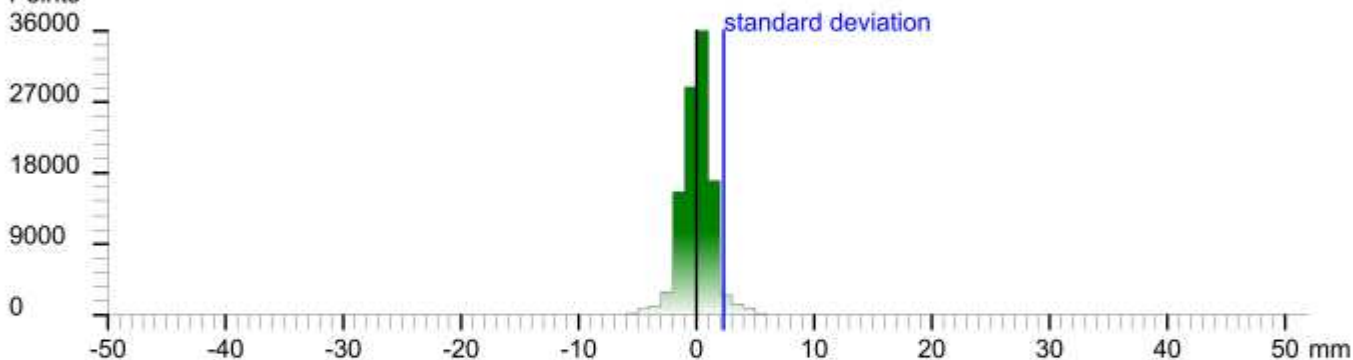
Points



Result registration to 71. Cloud to cloud standard deviation:2.3 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 68'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:18:15 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "88" -file "Casa Col.Sc. 88" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 `barometer magnetometer translation rotation`

Barometer: 1.011485 bar 14.7041 m

Magnetometer: -39.7000 60.0000 -97.6000

nav translation: -0.1325 m -0.3651 m 14.8539 m accuracies: 5.1969 m 5.1969 m 0.0002 m

nav rotation: -0.5756 -0.9171 152.9655 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0:indoor)

-0.890619	0.454468	-0.016006	-101.7949	m
-0.454647	-0.890615	0.010045	45.8700	m
-0.009690	0.016223	0.999821	0.3013	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

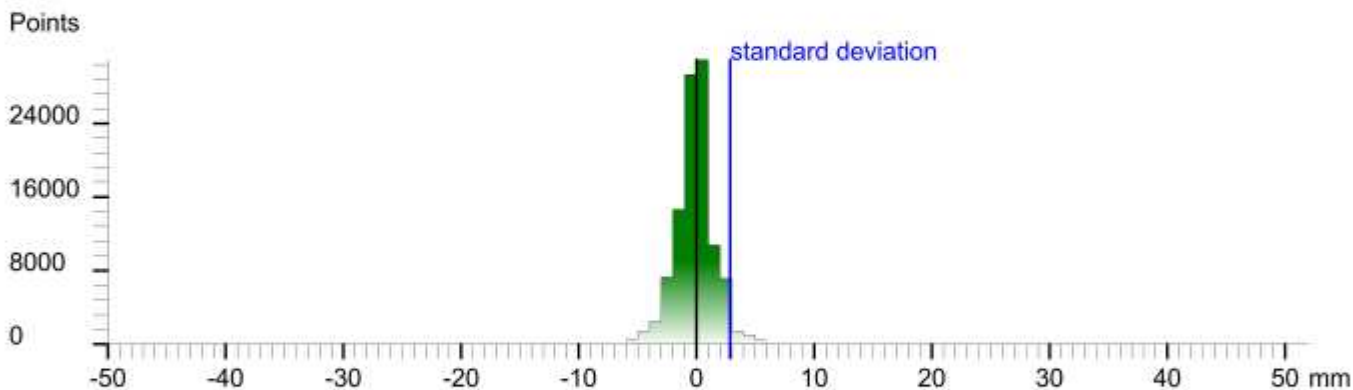
Sun position info: Altitude: 26.333° Azimuth: 256.547° Azimuth to Scan 0 = 63.491°

Scan position '69'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 68: 2.9 mm

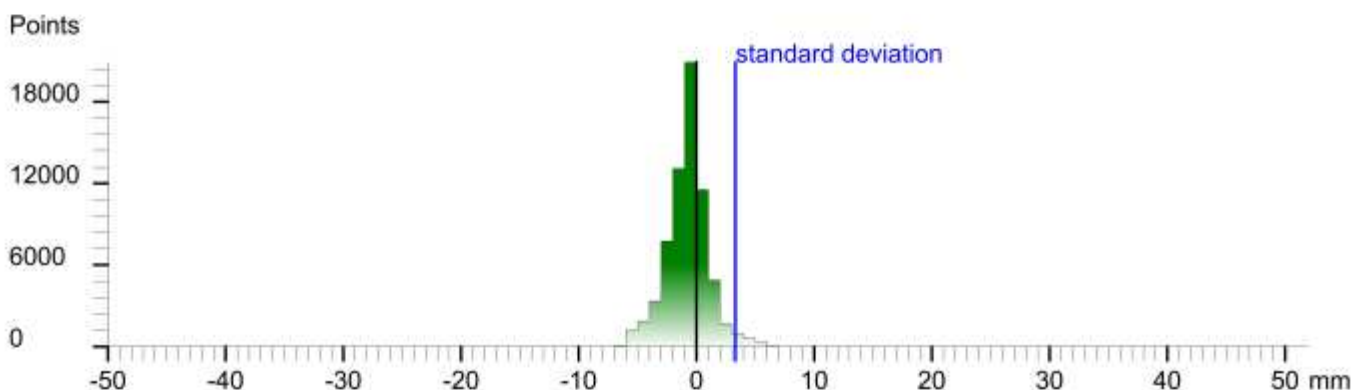
Result registration from 68. Cloud to cloud standard deviation:2.9 mm

Deviation histogram



Result registration to 70. Cloud to cloud standard deviation:3.3 mm

Deviation histogram



Scan 'Casa Col.Sc. 69'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:26:13 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "69" -file "Casa Col.Sc. 69" -path "Casa Colectiilor GL" -project "Casa Colectiilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.011447 bar 15.0202 m
Magnetometer: -49.0000 51.1000 -97.4000
nav translation: -2.4802 m -1.3707 m 14.9666 m accuracies: 6.4499 m 6.4499 m 0.0002 m
nav rotation: -0.9601 -0.3916 184.3140 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439171 long:28.048635 satellites:7 height:61.5m hdop:1.6 vldop:2.2m hacc:28.0m vacc:19.0 utc:48258 flags:D3 'differential 3D solution'
north:5032273.373 m east:582014.644 m zone:35T
Initial pre position (3:outdoor)
-0.997144 -0.075220 -0.006835 -60.5954 m
0.075097 -0.997035 0.016755 -38.1251 m
-0.008075 0.016194 0.999836 0.4140 m
0.000000 0.000000 0.000000 1.0000

Level system info: No information about the level system stored in the ZFS header.

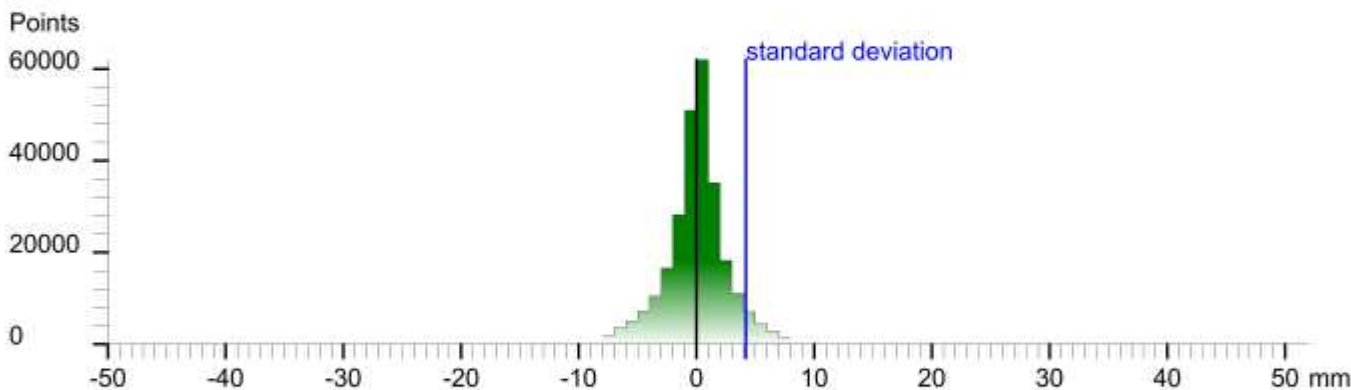
Sun position info: Altitude: 24.965° Azimuth: 258.118° Azimuth to Scan 0 = 33.655°

Scan position '7'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 8: 4.5 mm

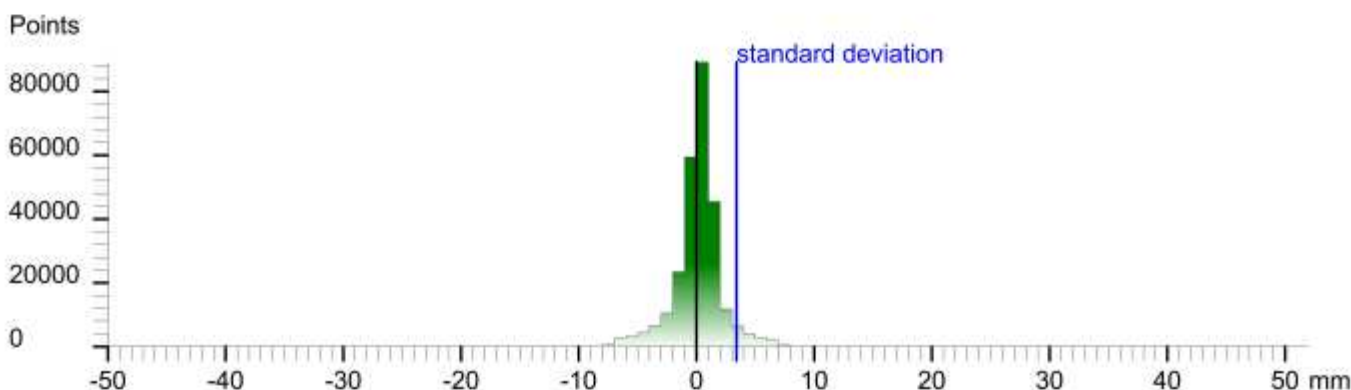
Result registration from 8. Cloud to cloud standard deviation:4.2 mm

Deviation histogram



Result registration to 6. Cloud to cloud standard deviation:3.4 mm

Deviation histogram



Scan 'Casa Col.Sc. 7'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 09:06:04 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "7" -file "Casa Col.Sc. 7" -path "Casa Colectilior GL" -project "Casa Colectilior GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.011591 bar 13.8167 m
Magnetometer: -58.6000 32.3000 -83.3000
nav translation: 1.8845 m 1.1120 m 13.8571 m accuracies: 6.1690 m 6.1690 m 0.0003 m
nav rotation: -0.7792 0.6806 251.5589 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439377 long:28.049143 satellites:8 height:64.6m hdop:0.7 vdlp:1.1m hacc:2.9m vacc:3.9 utc:21849 flags:D3 'differential 3D solution'
north:5032296.776 m east:582054.026 m zone:35T
Initial pre position (3:outdoor)
-0.316307 -0.948582 0.011879 -21.1629 m
0.948613 -0.316147 0.013598 -14.7211 m
-0.009143 0.015569 0.999837 -0.6955 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

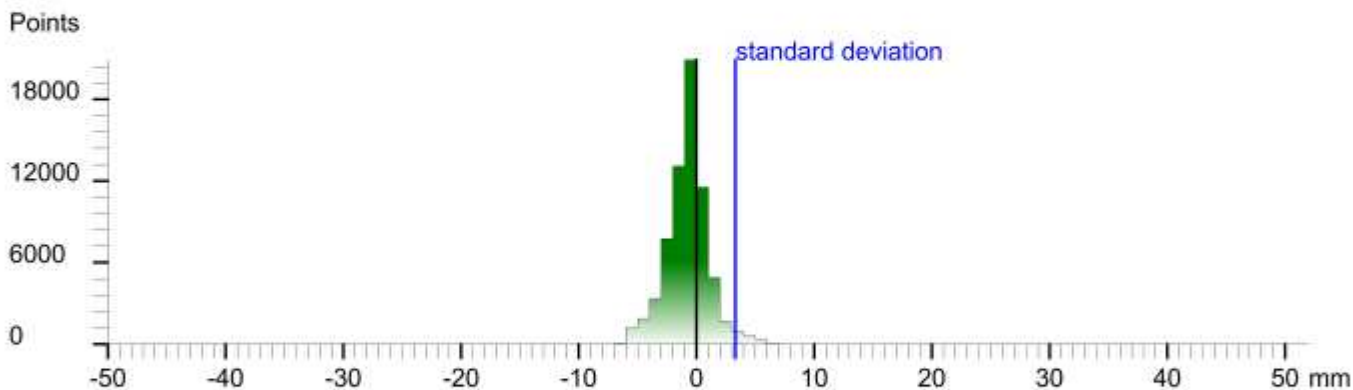
Sun position info: Altitude: 37.165° Azimuth: 117.592° Azimuth to Scan 0 = -143.829°

Scan position '70'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 69: 3.3 mm

Result registration from 69. Cloud to cloud standard deviation:3.3 mm

Deviation histogram



Scan 'Casa Col.Sc. 70'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:31:01 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "70" -file "Casa Col.Sc. 70" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps

Barometer: 1.011419 bar 15.2547 m

Magnetometer: -55.8000 26.0000 -102.3000

nav translation: -0.4201 m 0.0939 m 14.9805 m accuracies: 5.2205 m 5.2205 m 0.0003 m

nav rotation: -0.9632 0.5398 237.6306 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439617 long:28.049107 satellites:7 height:53.3m hdop:1.6 vdop:1.8m hacc:8.8m vacc:6.3 utc:48547 flags:D3 'differential 3D solution'

north:5032323.438 m east:582050.843 m zone:35T

Initial pre position (3:outdoor)

-0.535352	-0.844577	0.009422	-24.3264	m
0.844580	-0.535166	0.016809	11.9052	m
-0.009155	0.016956	0.999814	0.4279	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

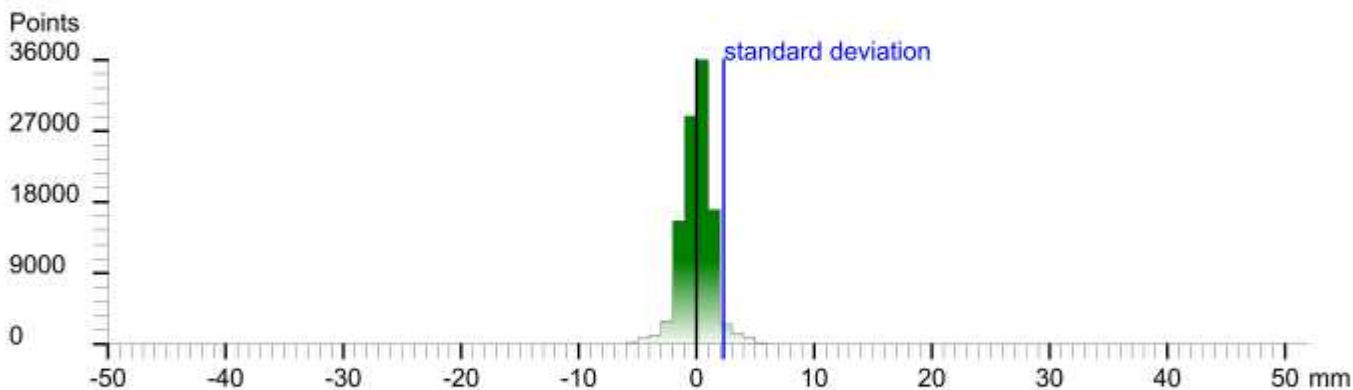
Sun position info: Altitude: 24.105° Azimuth: 259.087° Azimuth to Scan 0 = -20.581°

Scan position '71'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 68: 2.3 mm

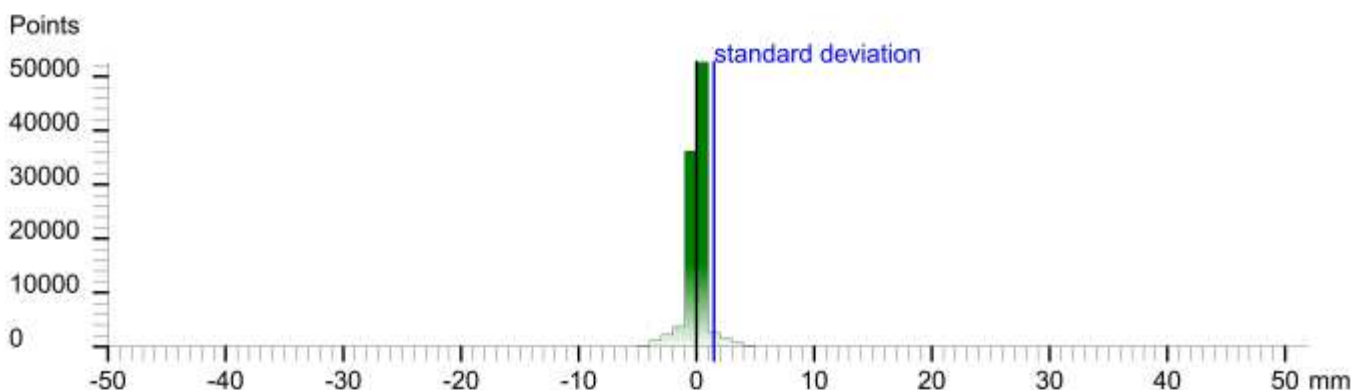
Result registration from 68. Cloud to cloud standard deviation:2.3 mm

Deviation histogram



Result registration to 72. Cloud to cloud standard deviation:1.5 mm

Deviation histogram



Scan 'Casa Col.Sc. 71'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:38:13 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "71" -file "Casa Col.Sc. 71" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps*
Barometer: 1.011489 bar 14.6703 m
Magnetometer: -45.7000 53.6000 -96.9000
nav translation: -2.9393 m -1.4175 m 14.6832 m accuracies: 6.6588 m 6.6588 m 0.0002 m
nav rotation: -0.7563 -0.7138 163.1793 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439545 long:28.049297 satellites:8 height:149.0m hdop:1.1 vdop:1.7m hacc:18.0m vacc:22.0m utc:48978 flags:D3 'differential 3D solution'
north:5032315.580 m east:582065.866 m zone:35T
Initial pre position (3:outdoor)
-0.957141 0.289355 -0.012459 -9.3621 m
-0.289509 -0.957084 0.013199 4.1002 m
-0.008105 0.016240 0.999835 0.1306 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

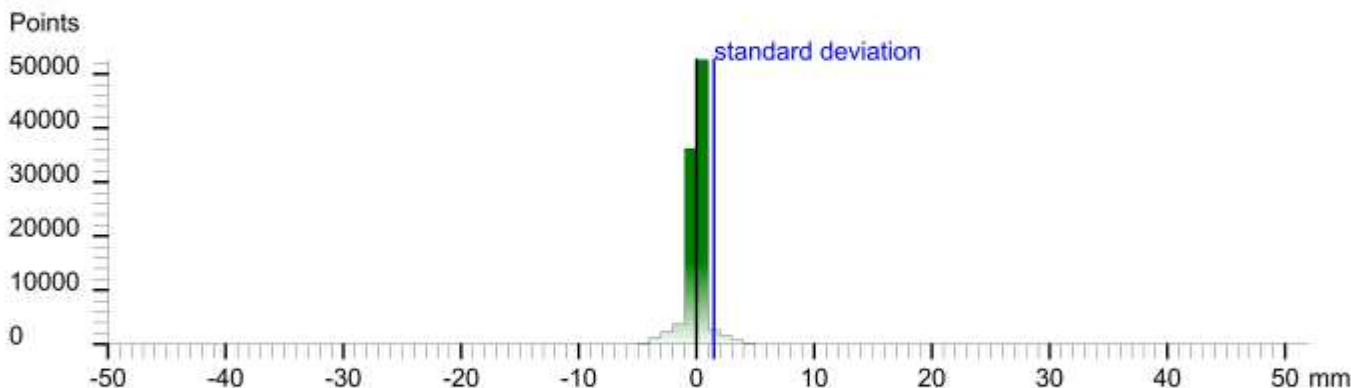
Sun position info: Altitude: 22.898° Azimuth: 260.427° Azimuth to Scan 0 = 52.846°

Scan position '72'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 71: 1.5 mm

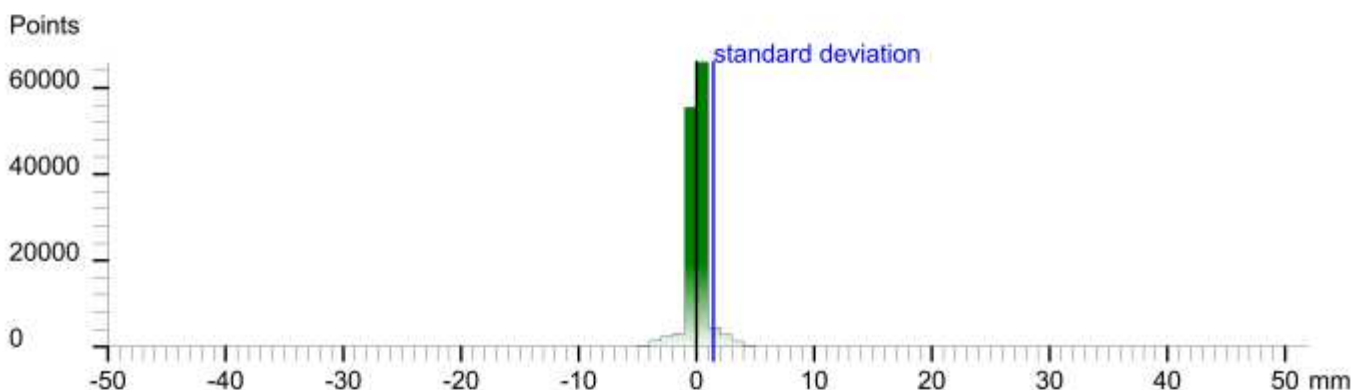
Result registration from 71. Cloud to cloud standard deviation:1.5 mm

Deviation histogram



Result registration to 73. Cloud to cloud standard deviation:1.4 mm

Deviation histogram



Scan 'Casa Col.Sc. 72'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:43:45 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "72" -file "Casa Col.Sc. 72" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.011386 bar 15.527 m
Magnetometer: -57.3000 30.8000 -98.3000
nav translation: -0.8016 m -0.0245 m 15.4488 m accuracies: 5.4263 m 5.4263 m 0.0001 m
nav rotation: -1.0810 0.2158 219.9928 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439785 long:28.048700 satellites:8 height:48.1m hdop:1.2 vldop:1.6m hacc:27.0m vacc:22.0m utm:49310 flags:G3 'stand alone 3D solution'
north:5032341.670 m east:582018.826 m zone:35T
Initial pre position (3:outdoor)
-0.766120 -0.642687 0.003767 -56.4014 m
0.642631 -0.765943 0.018865 30.1540 m
-0.009239 0.016874 0.999815 0.8961 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

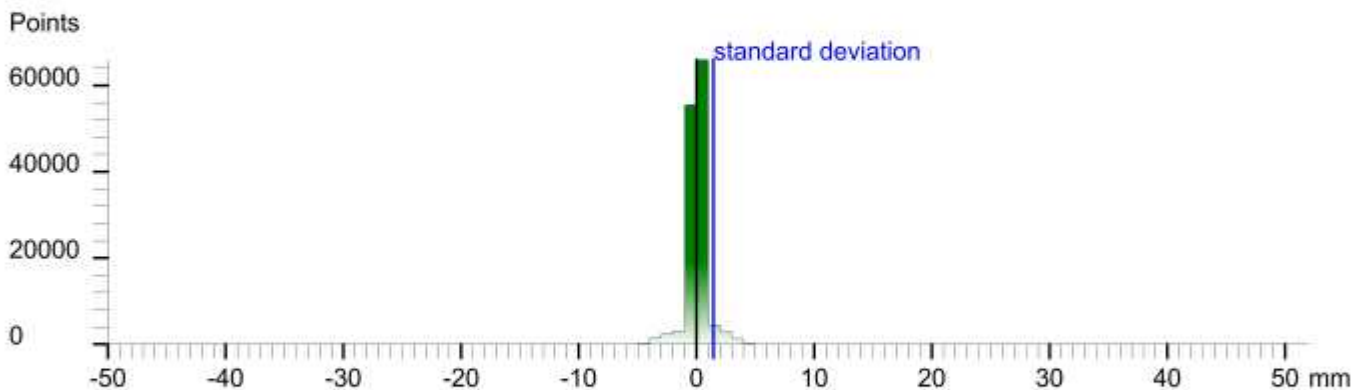
Sun position info: Altitude: 22.032° Azimuth: 261.375° Azimuth to Scan 0 = -5.547°

Scan position '73'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 72: 1.4 mm

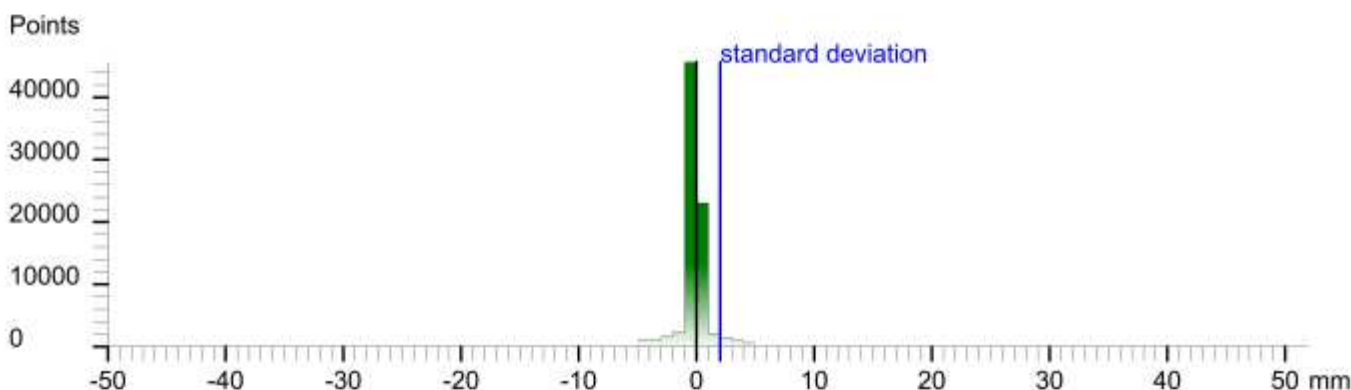
Result registration from 72. Cloud to cloud standard deviation:1.4 mm

Deviation histogram



Result registration to 74. Cloud to cloud standard deviation:2.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 73'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:49:48 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "73" -file "Casa Col.Sc. 73" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.011323 bar 16.0568 m
Magnetometer: -55.3000 28.6000 -99.7000
nav translation: -0.6857 m 0.2417 m 15.9142 m accuracies: 5.3825 m 5.3825 m 0.0001 m
nav rotation: -1.0715 0.1408 217.9433 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.444241 long:28.089756 satellites:5 height:-594.1m hdop:1.8 vdop:6.4m hacc:38.0m vacc:46.0 utc:49673 flags:G3 'stand alone 3D solution'
north:5032858.358 m east:583658.966 m zone:35T
Initial pre position (3:outdoor)
-0.788617 -0.614879 0.002457 -57.0871 m
0.614810 -0.788453 0.018700 30.3957 m
-0.009561 0.016258 0.999822 1.3615 m
0.000000 0.000000 0.000000 1.0000

Level system info: Level available.

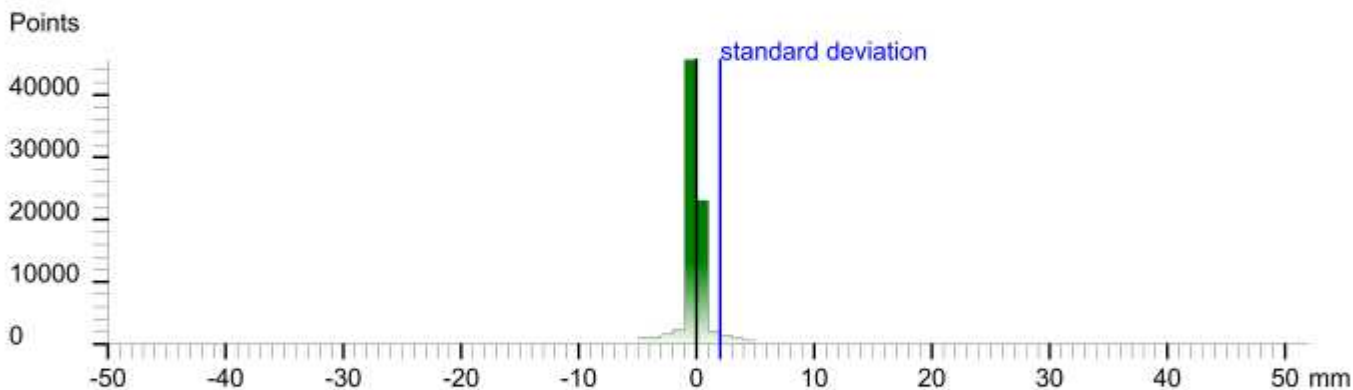
Sun position info: Altitude: 20.991° Azimuth: 262.501° Azimuth to Scan 0 = -4.587°

Scan position '74'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 73: 2.0 mm

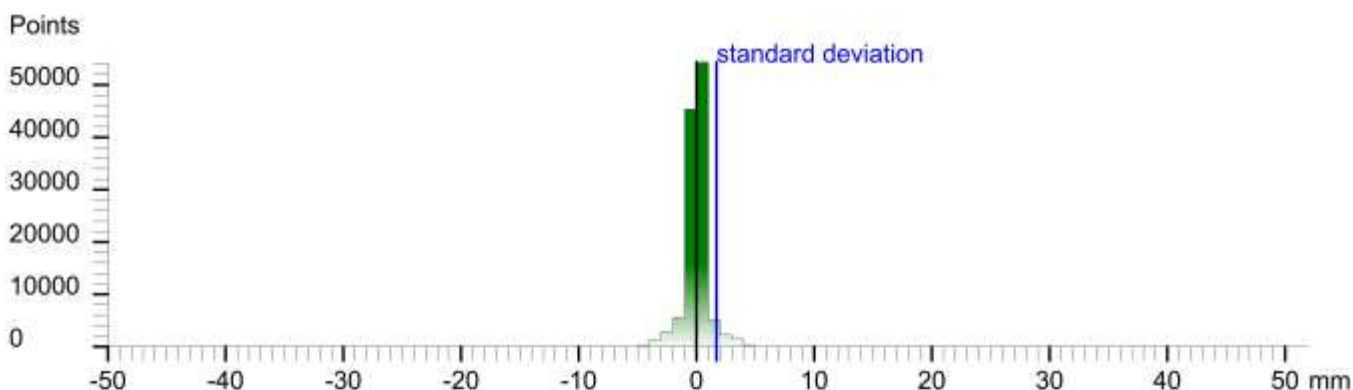
Result registration from 73. Cloud to cloud standard deviation:2.0 mm

Deviation histogram



Result registration to 75. Cloud to cloud standard deviation:1.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 74'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 16:54:31 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "74" -file "Casa Col.Sc. 74" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 ° barometer magnetometer translation rotation
Barometer: 1.011232 bar 16.8162 m
Magnetometer: -46.5000 50.1000 -94.9000
nav translation: 0.0365 m -0.5699 m 16.7352 m accuracies: 5.3204 m 5.3204 m 0.0002 m
nav rotation: -0.7702 -0.8405 164.4533 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.963309	0.267995	-0.014669	-57.0505	m
-0.268189	-0.963272	0.013441	29.8258	m
-0.010528	0.016882	0.999802	2.1826	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

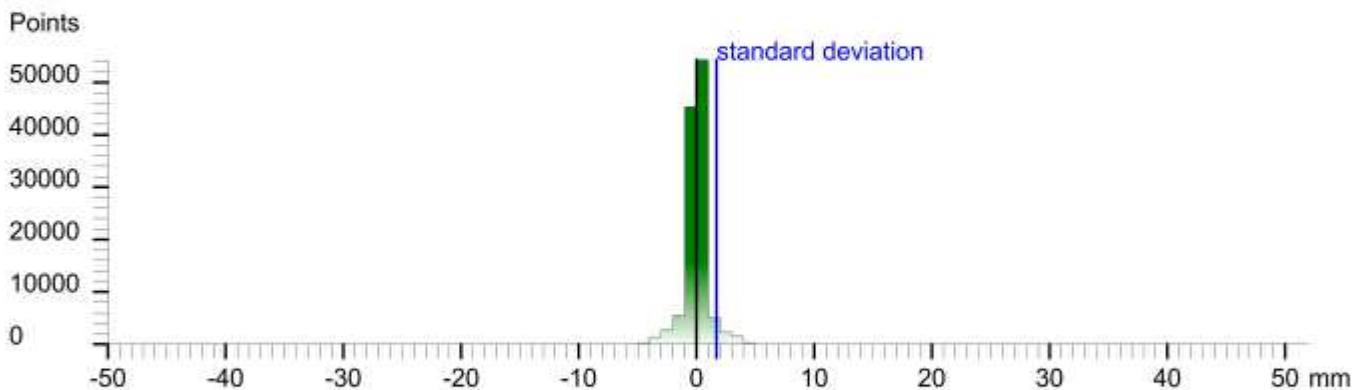
Sun position info: Altitude: 20.121° Azimuth: 263.431° Azimuth to Scan 0 = 49.099°

Scan position '75'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 74: 1.7 mm

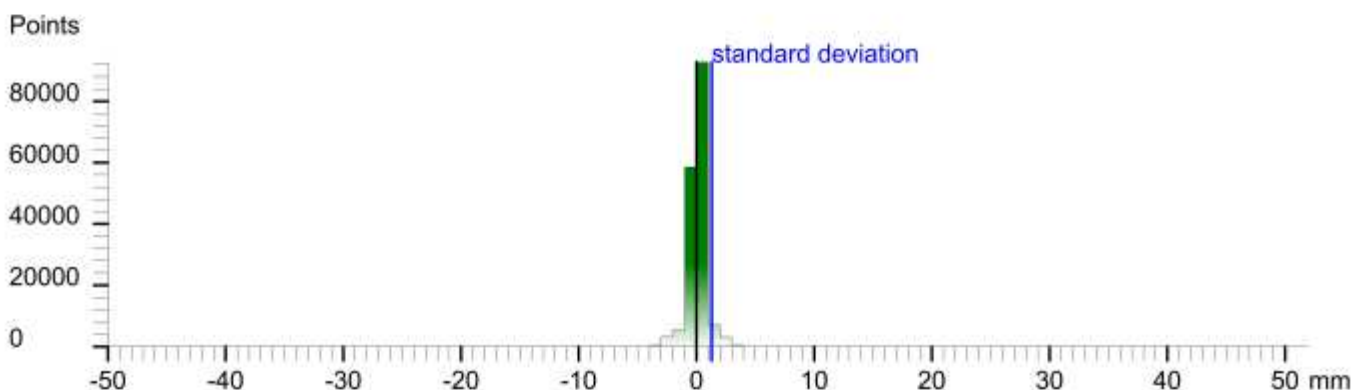
Result registration from 74. Cloud to cloud standard deviation:1.7 mm

Deviation histogram



Result registration to 76. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



Scan 'Casa Col.Sc. 75'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 17:00:34 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "75" -file "Casa Col.Sc. 75" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011220 bar 16.9156 m
Magnetometer: -38.2000 61.8000 -94.1000
nav translation: -0.1015 m -0.6433 m 16.6982 m accuracies: 5.3399 m 5.3399 m 0.0002 m
nav rotation: -0.2605 -1.0600 135.1816 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.709223	0.704741	-0.018500	-57.1520	m
-0.704914	-0.709278	0.004545	29.1824	m
-0.009918	0.016264	0.999819	2.1456	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

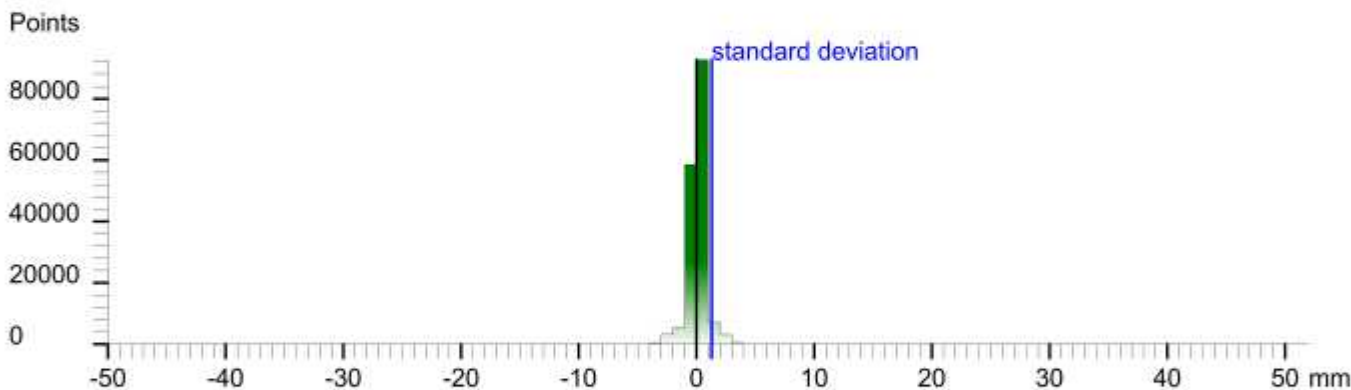
Sun position info: Altitude: 19.076° Azimuth: 264.538° Azimuth to Scan 0 = 76.680°

Scan position '76'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 75: 1.3 mm

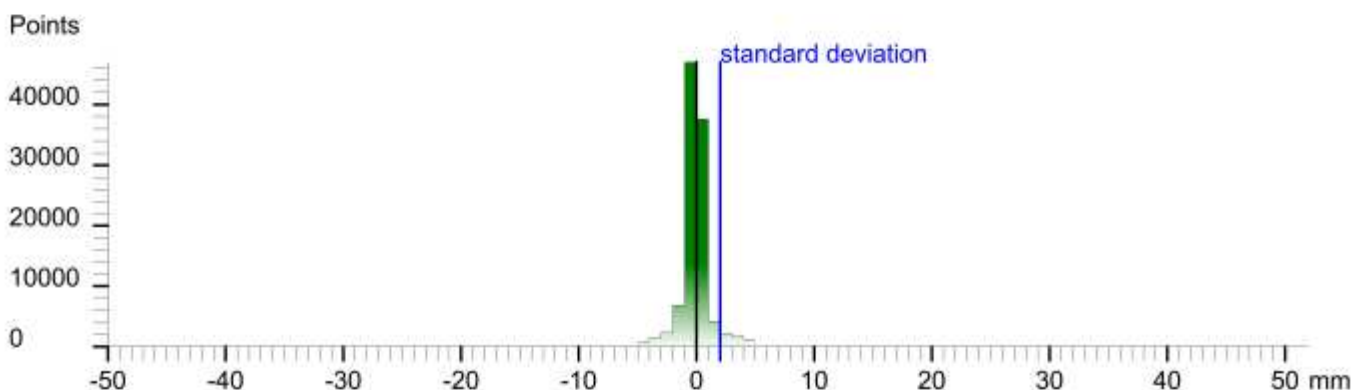
Result registration from 75. Cloud to cloud standard deviation:1.3 mm

Deviation histogram



Result registration to 77. Cloud to cloud standard deviation:2.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 76'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 17:04:53 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "76" -file "Casa Col.Sc. 76" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011191 bar 17.1532 m
Magnetometer: -41.1000 6.6000 -94.0000
nav translation: 0.0095 m 0.1838 m 17.2249 m accuracies: 5.0944 m 5.0944 m 0.0000 m
nav rotation: 0.1363 1.1036 -52.2938 accuracies: 0.0000 0.0000 143.5037
upside-down: no
Initial pre position (0:indoor)

0.611499	-0.791011	0.019261	-57.1425	m
0.791184	0.611574	-0.002378	29.3662	m
-0.009898	0.016693	0.999812	2.6723	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

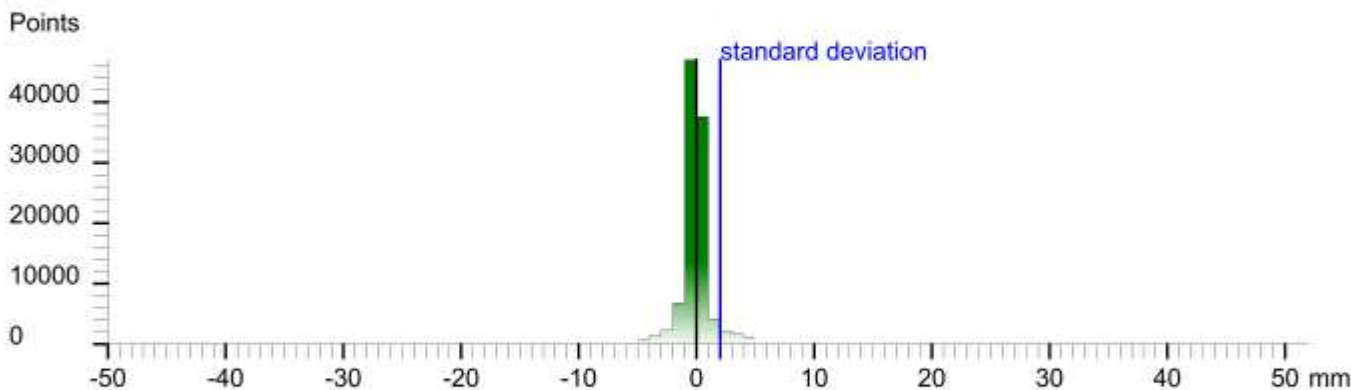
Sun position info: Altitude: 18.378° Azimuth: 265.271° Azimuth to Scan 0 = -96.139°

Scan position '77'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 76: 2.0 mm

Result registration from 76. Cloud to cloud standard deviation:2.0 mm

Deviation histogram



Scan 'Casa Col.Sc. 77'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 17:09:50 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "77" -file "Casa Col.Sc. 77" -path "Casa Colectilor GL." -project "Casa Colectilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation

Barometer: 1.011149 bar 17.5071 m

Magnetometer: -30.1000 12.6000 -95.2000

nav translation: 0.4721 m 0.4063 m 17.2725 m accuracies: 5.3308 m 5.3308 m 0.0002 m

nav rotation: 0.5174 0.8989 -30.8395 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0:indoor)

0.858501	-0.512572	0.015688	-56.6704	m
0.512736	0.858499	-0.009029	29.7725	m
-0.008840	0.015795	0.999836	2.7198	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

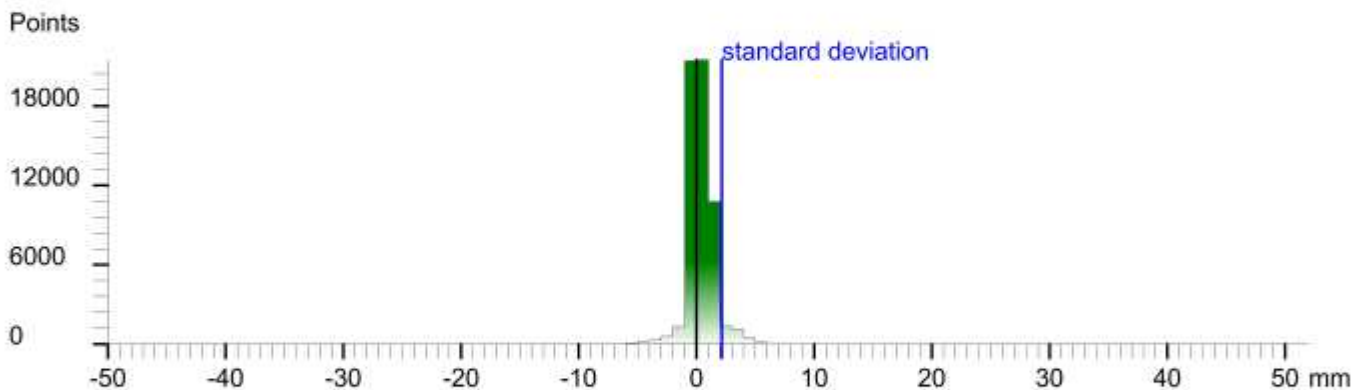
Sun position info: Altitude: 17.505° Azimuth: 266.182° Azimuth to Scan 0 = -118.625°

Scan position '78'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 62: 2.1 mm

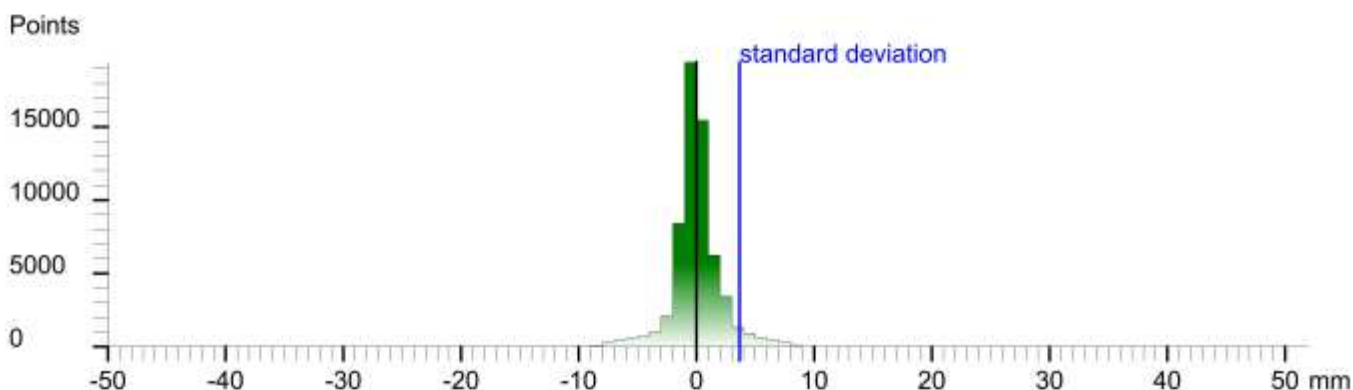
Result registration from 62. Cloud to cloud standard deviation:2.2 mm

Deviation histogram



Result registration to 79. Cloud to cloud standard deviation:3.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 78'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 17:14:18 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "78" -file "Casa Col.Sc. 78" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -h1to1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011088 bar 18.0101 m
Magnetometer: -29.8000 13.7000 -97.5000
nav translation: 1.4475 m 1.9154 m 17.8355 m accuracies: 6.2205 m 6.2205 m 0.0002 m
nav rotation: 0.7860 0.6989 -13.0342 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)
0.974163 -0.225515 0.012197 -55.2229 m
0.225674 0.974106 -0.013717 31.6879 m
-0.008788 0.016115 0.999832 3.2828 m
0.000000 0.000000 0.000000 1.0000 m

Level system info: Level available.

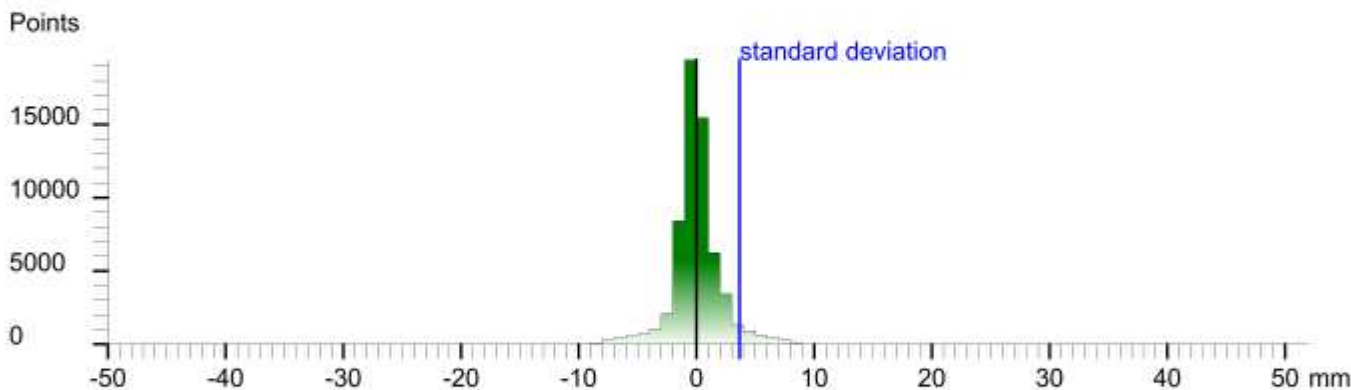
Sun position info: Altitude: 16.631° Azimuth: 267.088° Azimuth to Scan 0 = -137.430°

Scan position '79'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 78: 3.7 mm

Result registration from 78. Cloud to cloud standard deviation:3.7 mm

Deviation histogram



Scan 'Casa Col.Sc. 79'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 17:19:31 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "79" -file "Casa Col.Sc. 79" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -nav -temperature "20.5" -resolution m -quality n -ffrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation

Barometer: 1.011017 bar 18.6076 m

Magnetometer: -31.8000 15.7000 -95.0000

nav translation: 0.5846 m 0.8935 m 18.4297 m accuracies: 5.5544 m 5.5544 m 0.0001 m

nav rotation: 0.4875 0.9261 -31.0664 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0:indoor)

0.856458	-0.515964	0.016163	-54.6383	m
0.516130	0.856468	-0.008508	32.5814	m
-0.009454	0.015629	0.999833	3.8771	m
0.000000	0.000000	0.000000	1.0000	

Level system info: No information about the level system stored in the ZFS header.

Sun position info: Altitude: 15.757° Azimuth: 267.988° Azimuth to Scan 0 = -121.043°

Scan position '8'

Scan position is member of group(s):

Status registration 'registered with bundleadjustment with cloud to cloud'

Optimized

Connection standard deviation

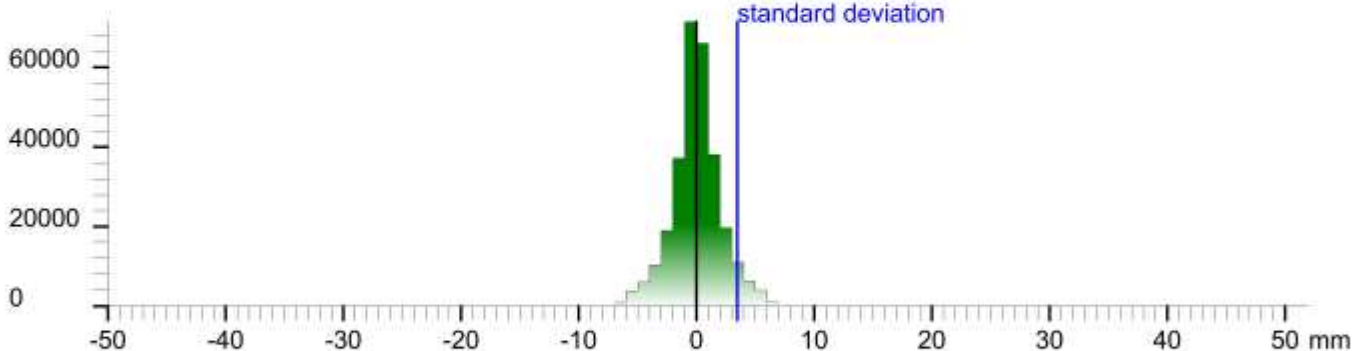
from 4: 4.2 mm

from 9: 4.1 mm

Result registration from 9. Cloud to cloud standard deviation:3.5 mm

Deviation histogram

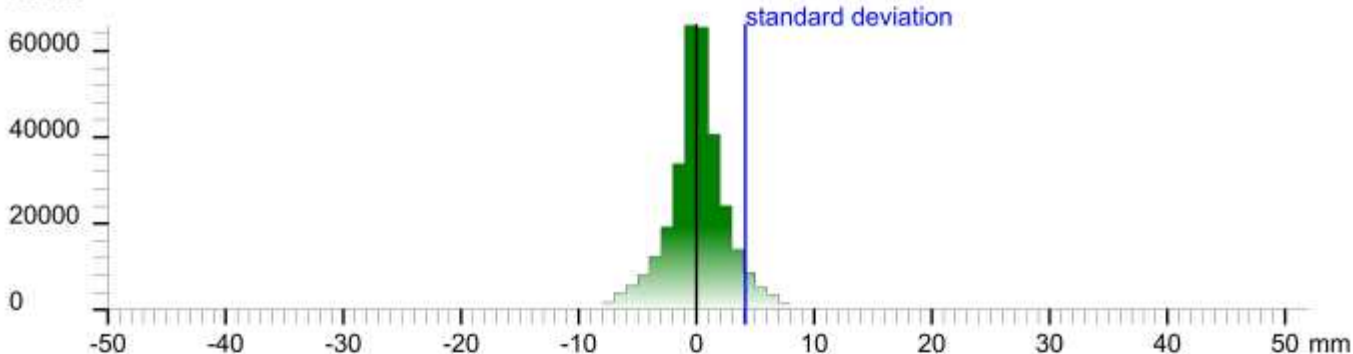
Points



Result registration from 4. Cloud to cloud standard deviation:4.2 mm

Deviation histogram

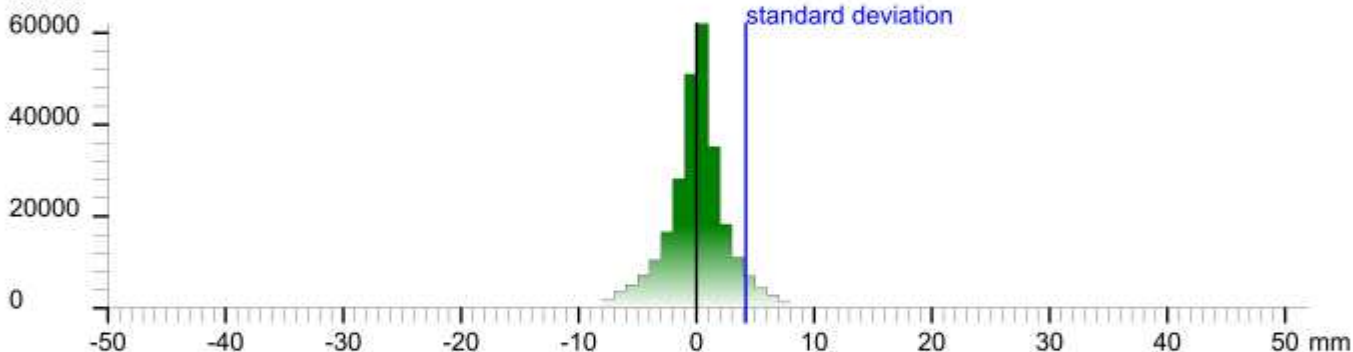
Points



Result registration to 7. Cloud to cloud standard deviation:4.2 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 8'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 09:12:41 27.08.2024

Metadata Value

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "8" -file "Casa Col.Sc. 8" -path "Casa Colectiilor GL." -project "Casa Colectiilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -from "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps*

Barometer: 1.011643 bar 13.3904 m

Magnetometer: -61.4000 20.3000 -94.8000

nav translation: 1.5924 m 5.6740 m 13.4106 m accuracies: 8.0732 m 8.0732 m 0.0003 m

nav rotation: -0.4648 0.9538 273.4100 accuracies: 0.0000 0.0000 15.0000

upside-down: no

GPS lat:45.439369 long:28.049353 satellites:8 height:62.0m hdop:0.8 vdop:1.2m haacc:2.9m vacc:3.4 utc:22246 flags:G3 'stand alone 3D solution'

north:5032296.142 m east:582070.446 m zone:35T

Initial pre position (3.outdoor)

0.059473	-0.998091	0.016647	-4.7272	m
0.998189	0.059614	0.008110	-15.3955	m
-0.009087	0.016135	0.999629	-1.1420	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 38.090° Azimuth: 119.048° Azimuth to Scan 0 = -165.722°

Scan position '80'

Scan position is member of group(s):

Status registration 'registered with bundleadjustment with cloud to cloud'

Optimized

Connection standard deviation

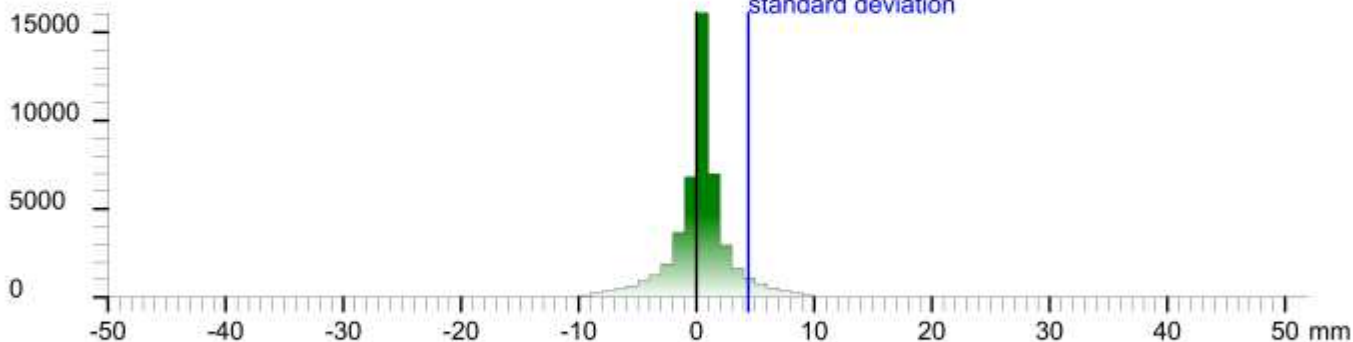
from 46: 3.4 mm

from 47: 4.4 mm

Result registration from 47. Cloud to cloud standard deviation:4.4 mm

Deviation histogram

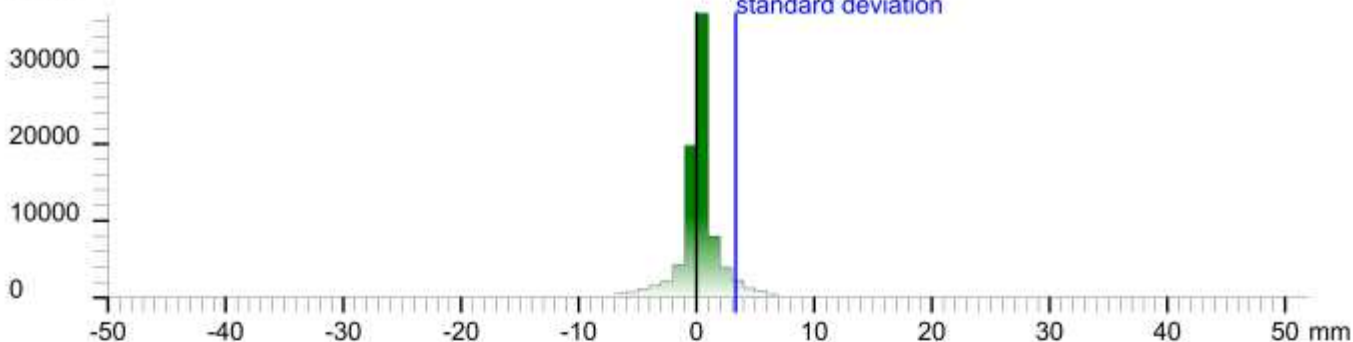
Points



Result registration from 46. Cloud to cloud standard deviation:3.3 mm

Deviation histogram

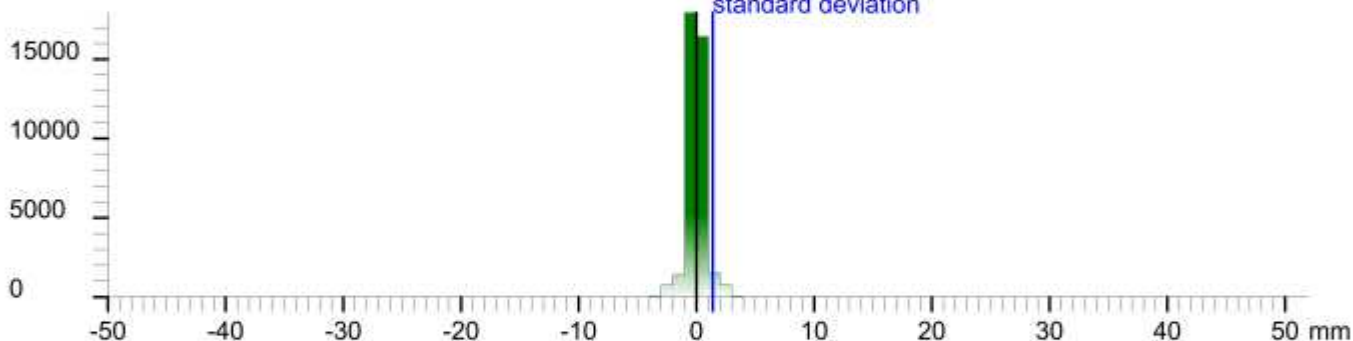
Points



Result registration to 81. Cloud to cloud standard deviation:1.4 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 80'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118

Laser class of scanner: 1

Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s

Scan taken at 17:26:33 27.08.2024

Metadata Value

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "80" -file "Casa Col.Sc. 80" -path "Casa Colectiilor GL." -project "Casa Colectiilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ffrom "0" -fho "181" -ffrom1 "20" -fho1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 ° barometer magnetometer translation rotation°

Barometer: 1.011354 bar 15.7924 m

Magnetometer: -55.0000 25.1000 -94.3000

nav translation: -5.3873 m 1.2152 m 15.6209 m accuracies: 7.8748 m 7.8748 m 0.0004 m

nav rotation: -0.9644 0.5062 237.2080 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0:indoor)

-0.541570	-0.840609	0.008834	-60.0256	m
0.840604	-0.541389	0.016830	33.7966	m
-0.009364	0.016541	0.999819	1.0683	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

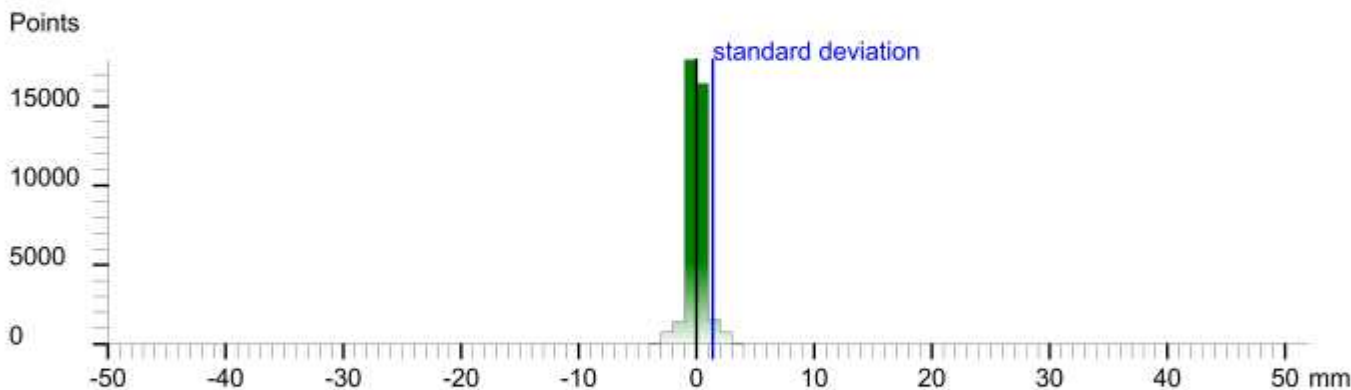
Sun position info: Altitude: 14.533° Azimuth: 269.242° Azimuth to Scan 0 = -31.024°

Scan position '81'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 80: 1.4 mm

Result registration from 80. Cloud to cloud standard deviation: 1.4 mm

Deviation histogram



Scan 'Casa Col.Sc. 81'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution: 'High' Quality: 'Balanced' Pixel distance: 6.3mm @ 10m Data rate: 273438pts/s
Scan taken at 17:34:32 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scangps "81" -file "Casa Col.Sc. 81" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "161" -lfrom1 "20" -lto1 "340" -camera "l-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011251 bar 16.6552 m
Magnetometer: -50.5000 46.0000 -93.7000
nav translation: -1.3449 m 0.0307 m 16.5469 m accuracies: 5.6910 m 5.6910 m 0.0003 m
nav rotation: -1.0128 -0.3358 188.3652 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.989344	-0.145480	-0.005861	-61.3706	m
0.145358	-0.989221	0.017678	33.8273	m
-0.008370	0.016635	0.999827	1.9943	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

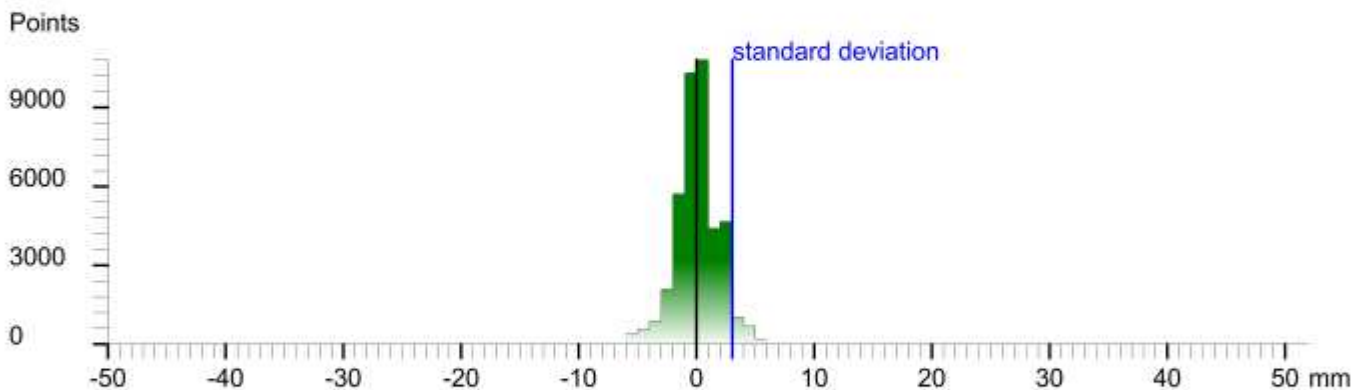
Sun position info: Altitude: 13.135° Azimuth: 270.667° Azimuth to Scan 0 = 18.187°

Scan position '82'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 22: 3.1 mm

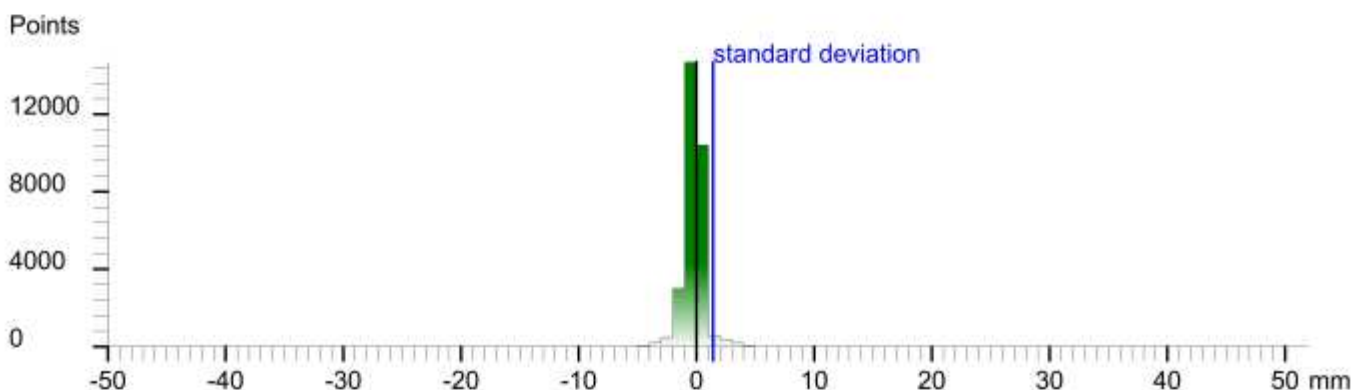
Result registration from 22. Cloud to cloud standard deviation:3.0 mm

Deviation histogram



Result registration to 84. Cloud to cloud standard deviation:1.4 mm

Deviation histogram



Scan 'Casa Col.Sc. 82'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 17:42:45 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "82" -file "Casa Col.Sc. 82" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -ifrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011400 bar 15.4167 m
Magnetometer: -39.2000 60.9000 -93.0000
nav translation: -0.1972 m -1.2987 m 15.9190 m accuracies: 5.7985 m 5.7985 m 0.0018 m
nav rotation: 0.1347 -1.0298 112.0321 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

-0.375065	0.926824	-0.017972	-61.5677	m
-0.926956	-0.375164	-0.002350	32.5286	m
-0.008921	0.015777	0.999638	1.3663	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

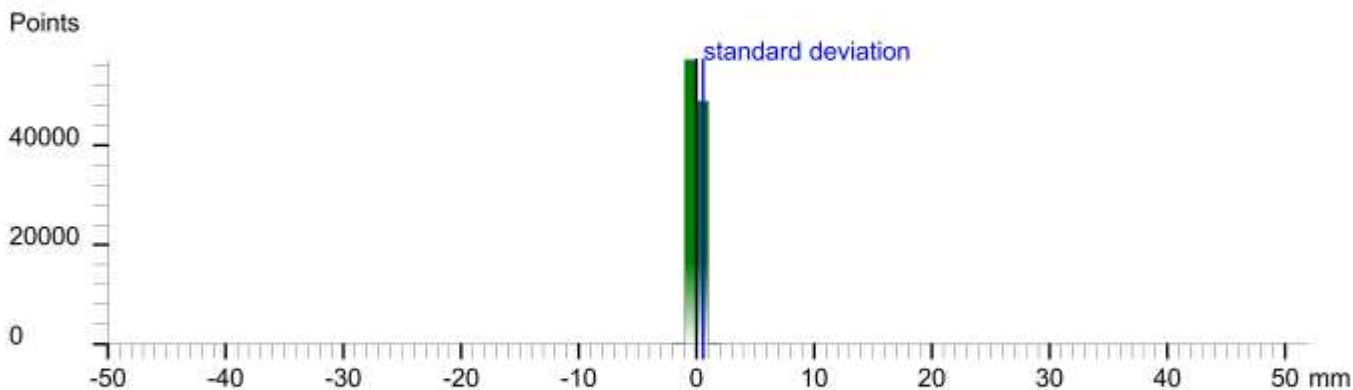
Sun position info: Altitude: 11.738° Azimuth: 272.083° Azimuth to Scan 0 = 89.281°

Scan position '83'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 84: 0.5 mm

Result registration from 84. Cloud to cloud standard deviation:0.6 mm

Deviation histogram



Scan 'Casa Col.Sc. 83'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 17:49:14 27.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "83" -file "Casa Col.Sc. 83" -path "Casa Colectilor GL." -project "Casa Colectilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lfrom1 "20" -lto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation

Barometer: 1.011396 bar 15.4485 m

Magnetometer: -57.8000 41.8000 -91.3000

nav translation: -1.1094 m -1.2578 m 15.2097 m accuracies: 5.8778 m 5.8778 m 0.0002 m

nav rotation: -0.8883 -0.6098 175.4368 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (0:indoor)

-0.996774	0.079554	-0.010643	-62.6772	m
-0.079713	-0.996697	0.015502	31.2708	m
-0.009374	0.016300	0.999823	0.6571	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

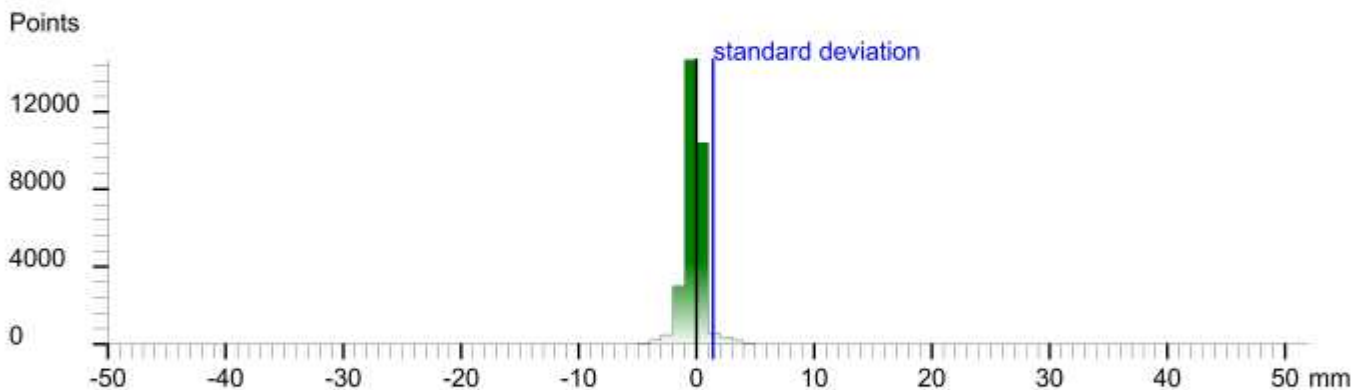
Sun position info: Altitude: 10.519° Azimuth: 273.318° Azimuth to Scan 0 = 25.172°

Scan position '84'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 82: 1.4 mm

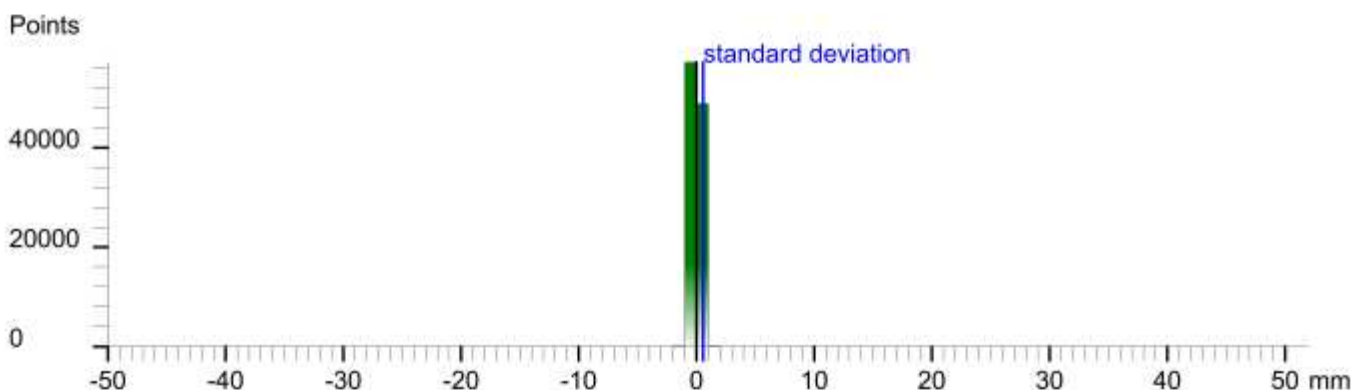
Result registration from 82. Cloud to cloud standard deviation:1.4 mm

Deviation histogram



Result registration to 83. Cloud to cloud standard deviation:0.6 mm

Deviation histogram



Scan 'Casa Col.Sc. 84'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 17:53:56 27.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "84" -file "Casa Col.Sc. 84" -path "Casa Colectilior GL" -project "Casa Colectilior GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation
Barometer: 1.011389 bar 15.6702 m
Magnetometer: -46.2000 11.0000 -94.2000
nav translation: -0.3904 m -0.0435 m 15.6215 m accuracies: 5.2156 m 5.2156 m 0.0003 m
nav rotation: 0.3450 1.0159 -44.7321 accuracies: 0.0000 0.0000 15.0000
upside-down: no
Initial pre position (0:indoor)

0.710294	-0.703682	0.017730	-63.0675	m
0.703856	0.710318	-0.006020	31.2273	m
-0.008358	0.016755	0.999825	1.0689	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

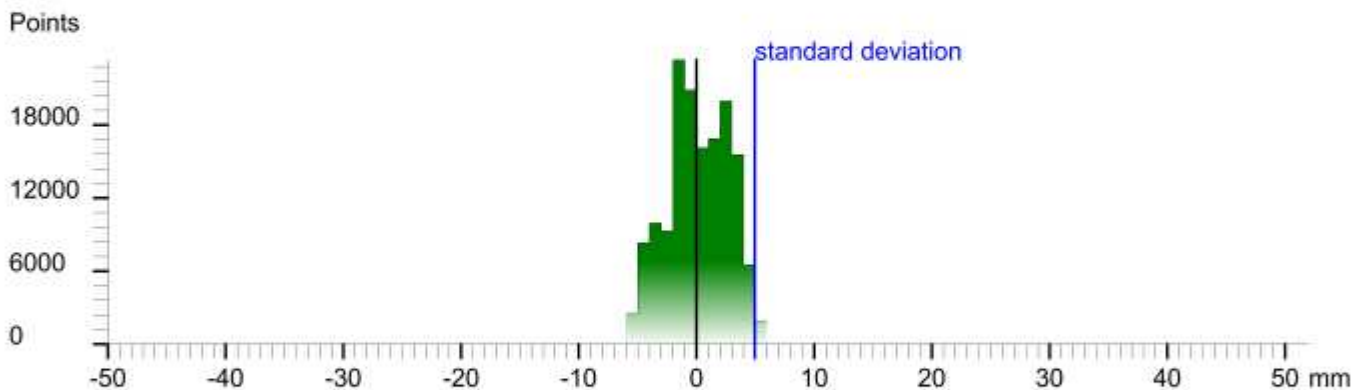
Sun position info: Altitude: 9.824° Azimuth: 274.022° Azimuth to Scan 0 = -65.441°

Scan position '85'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 41: 4.9 mm

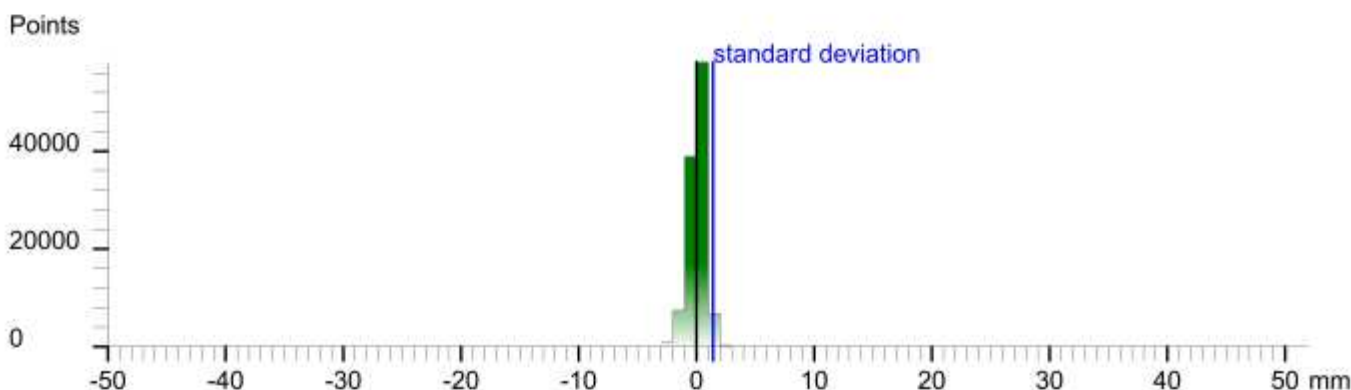
Result registration from 41. Cloud to cloud standard deviation:5.0 mm

Deviation histogram



Result registration to 86. Cloud to cloud standard deviation:1.4 mm

Deviation histogram



Scan 'Casa Col.Sc. 85'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'Middle' Quality:'Balanced' Pixel distance:12.6mm @ 10m Data rate:136719pts/s
Scan taken at 09:25:15 28.08.2024

Metadata **Value**
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "85" -file "Casa Col.Sc. 85" -path "Casa Colectilfor GL" -project "Casa Colectilfor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "i-cam" -panoramaparams fast

Sensor

sensors: 15484 * barometer magnetometer translation rotation gps
Barometer: 1.011310 bar 16.1622 m
Magnetometer: -28.6000 -5.6000 -83.4000
nav translation: 0.0000 m 0.0000 m 16.0408 m accuracies: 5.0000 m 5.0000 m 0.0002 m
nav rotation: 0.9012 0.2541 11.8983 accuracies: 0.0000 0.0000 15.0000
upside-down: no
GPS lat:45.439739 long:28.049355 satellites:7 height:53.8m hdop:1.7 vdlap:4.4m hacc:6.7m vacc:16.0 utc:0 flags:G3 'stand alone 3D solution'
north:5032337.252 m east:582070.059 m zone:35T
Initial pre position (3:outdoor)
0.979219 0.202756 0.004434 -5.1072 m
-0.202664 0.979122 -0.015727 25.7119 m
-0.007531 0.014502 0.999866 1.4882 m
0.000000 0.000000 0.000000 1.0000 m

Level system info: Level available.

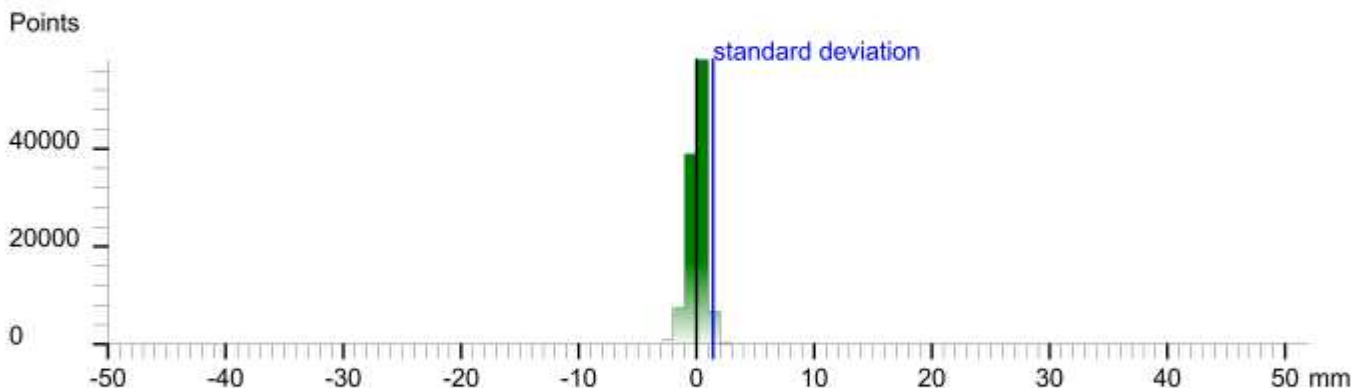
Sun position info: Altitude: 39.809° Azimuth: 122.663° Azimuth to Scan 0 = -230.426°

Scan position '86'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 85: 1.6 mm

Result registration from 85. Cloud to cloud standard deviation: 1.4 mm

Deviation histogram



Scan 'Casa Col.Sc. 86'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution: 'Middle' Quality: 'Balanced' Pixel distance: 12.6mm @ 10m Data rate: 136719pts/s
Scan taken at 09:30:34 28.08.2024

Metadata **Value**

comment

operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "86" -file "Casa Col.Sc. 86" -path "Casa Colectilor GL" -project "Casa Colectilor GL" -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution m -quality n -lfrom "0" -lto "181" -lflfrom1 "20" -lhto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15480 * barometer magnetometer translation rotation

Barometer: 1.011267 bar 16.522 m

Magnetometer: -58.3000 45.0000 -92.4000

nav translation: 1.7666 m 1.6719 m 16.8084 m accuracies: 6.2503 m 6.2503 m 0.0002 m

nav rotation: -0.6457 0.7299 252.2254 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (3:outdoor)

-0.305248	-0.952188	0.012739	-3.3406	m
0.952248	-0.305117	0.011268	27.3638	m
-0.006842	0.015570	0.999855	2.2558	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 40.541° Azimuth: 123.961° Azimuth to Scan 0 = -116.992°

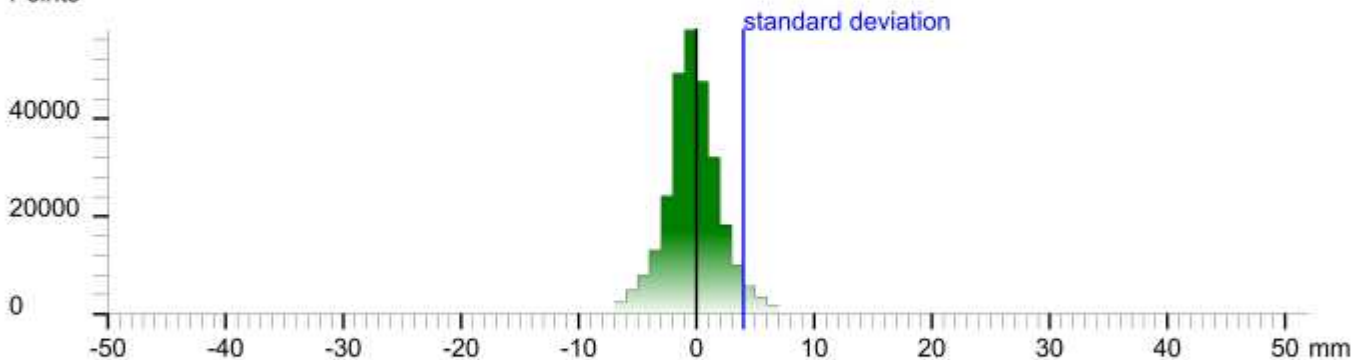
Scan position '9'

Scan position is member of group(s):
Status registration 'registered with bundleadjustment with cloud to cloud'
Optimized
Connection standard deviation
from 1: 4.3 mm

Result registration from 1. Cloud to cloud standard deviation:4.0 mm

Deviation histogram

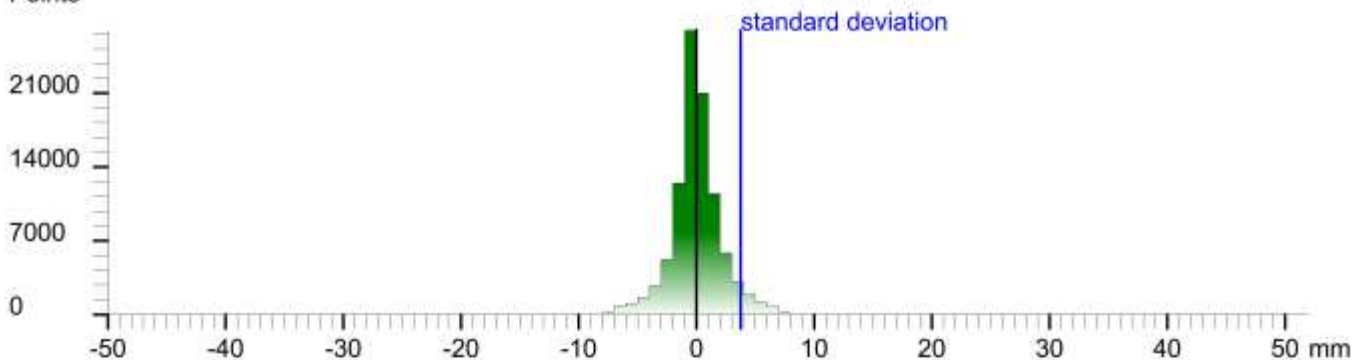
Points



Result registration to 10. Cloud to cloud standard deviation:3.8 mm

Deviation histogram

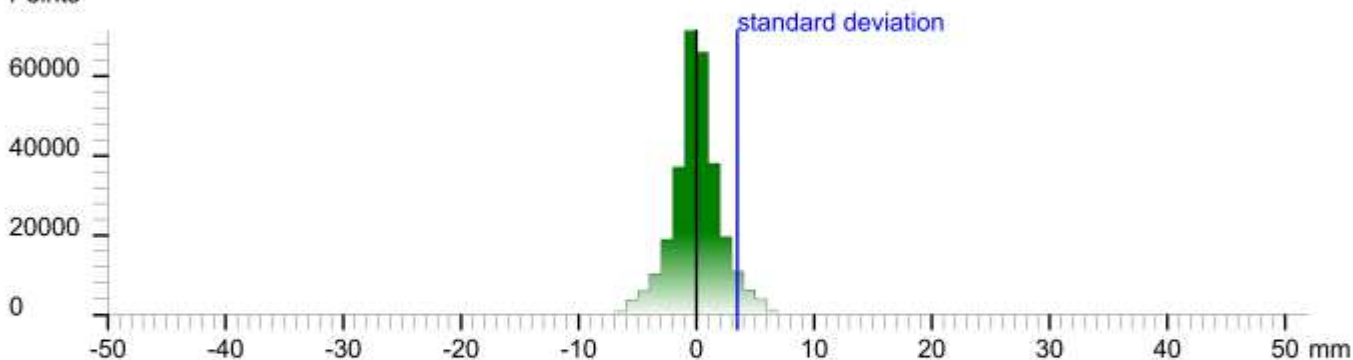
Points



Result registration to 8. Cloud to cloud standard deviation:3.5 mm

Deviation histogram

Points



Scan 'Casa Col.Sc. 9'

Scanner 'Z+F IMAGER 5016' serial number '5016-0100' Firmware 10.0.1.12118
Laser class of scanner: 1
Scan resolution:'High' Quality:'Balanced' Pixel distance:6.3mm @ 10m Data rate:273438pts/s
Scan taken at 09:19:01 27.08.2024

Metadata Value
comment
operator

Outside temperature: 20.5 deg

Scan command: -ctrl "LRCServer 10.0.1" -memorize 1 -scanpos "9" -file "Casa Col.Sc. 9" -path "Casa Colectiilor GL." -project "Casa Colectiilor GL." -projectTemplate "" -activegroup "empty" -compensator -nav -temperature "20.5" -resolution h -quality n -lfrom "0" -lto "181" -hfrom1 "20" -hto1 "340" -camera "1-cam" -panoramaparams fast

Sensor

sensors: 15480 ° barometer magnetometer translation rotation

Barometer: 1.011669 bar 13.1698 m

Magnetometer: -60.8000 42.8000 -95.8000

nav translation: -0.1235 m 4.2582 m 12.8286 m accuracies: 7.2030 m 7.2030 m 0.0003 m

nav rotation: -0.9634 0.4378 233.3478 accuracies: 0.0000 0.0000 15.0000

upside-down: no

Initial pre position (3:outdoor)

-0.596939	-0.802250	0.007640	-4.8507	m
0.802237	-0.596769	0.016813	-11.1273	m
-0.008929	0.016166	0.999829	-1.7240	m
0.000000	0.000000	0.000000	1.0000	

Level system info: Level available.

Sun position info: Altitude: 39.153° Azimuth: 120.785° Azimuth to Scan 0 = -125.535°

Targets

All targets

No targets used.

Links

Color folder file:///J:/60_Casa_Colectiilor_GL/Color

Project Plan

Scan positions

Summary

Number of scans: **85** used in **85** scan positions

Point clouds: **0**

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

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

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

Missed or corrupted scan files: **0**

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

0 known targets used

0 targets used in **0** of **85** scan positions

First scan taken at: **27.8.2024 08:27:27** last scan at: **28.8.2024 09:30:34**

Duration: **1d 1h 3min 7sec**

Unit used for visualisation: **Meter**

Unit used for import: **Meter**

Unit used for export: **Meter**

Point cloud data formats in project:

zfs

Other file formats in project folder:

inf, jpg, lock, log, pdf, png, pos, sta5, topcut, undo, xml, zfi, zfrj