Results - Baseline STAM - 1004

Project Information

Project name: skupina_1-TRG Date created: 06/02/2011 19:40:33 Time zone: 2h 00'

WGS 1984 Coordinate system name:

LEICA Geo Office 7.0 Application software: Processing kernel: PSI-Pro 2.0 Processed: 06/02/2011 19:57:32

Point Information

Reference: STAM

Receiver type / S/N: Antenna type / S/N: TPSGB1000 / 8QQPTNJZH1C TPSCR3_GGD CONE (2) / -

Antenna height: 0.0000 m

Initial coordinates:

50°09' 44.39907" N Longitude: 16°56' 51.94054" E Ellip. Hgt: 603.5355 m

05/30/2011 17:22:55 - 05/30/2011 17:45:25 Time span:

22' 30" Duration:

TPSHIPER / 8QG4AWP4FEO TPSPG_A1+GP NONE / -

No Glonass orbits available.

1.2950 m

50°11' 41.19085" N 16°58' 49.08475" E 961.1525 m

Processing Parameters

Selected Used **Parameters** Comment Cut-off angle: 15° 15°

Ephemeris type (GPS): Broadcast Broadcast Ephemeris type (GLONASS): Broadcast Broadcast Solution type: Phase: all fix Automatic GNSS type: GPS Automatic Automatic Frequency: Automatic Fix ambiguities up to: 80 km 80 km Min. duration for float solution (static): 5' 00" 5' 00" Use all Sampling rate: Tropospheric model: Hopfield Hopfield Ionospheric model: Automatic Computed Use stochastic modelling: Yes Yes Min. distance:

8 km 8 km Ionospheric activity: Automatic Automatic

Satellite Selection

Manually disabled GPS satellites (PRNs): Manually disabled GLONASS satellites (Slot

None

None

Computed Iono Model

Number of computed models: 30 sec Sampling rate of iono model: Height of single layer: 350 km

Model 1:

50°09' 44.39907" N Origin of development: Latitude:

Longitude: 16°56' 51.94054" E Time (UT): 05/30/2011 06:43:00

Validity: 05/30/2011 08:43:00 From epoch: To epoch: 05/30/2011 14:52:35

-0.08606848

0.00139673

Coefficients: Deg. Lat Deg. time Value rms 1.04287828 0.00435099 0 0 0.28194565 0.00319249 0 -0.05434994 0.00087539 0 2 0 0.02747618 0.00267221

Model 2:

50°09' 44 39907" N Origin of development: Latitude:

Longitude: 16°56' 51.94054" E Time (UT): 05/30/2011 12:52:35

05/30/2011 14:52:35 Validity: From epoch:

To epoch: 05/30/2011 21:02:10

	•			
Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.50332605	0.00464607
	0	1	-0.05175358	0.00419552
	0	2	0.02066703	0.00127367
	1	0	-0.26456456	0.00335542
	1	1	-0.00156422	0.00173463

Antenna Information

310°L2

320°L1

0.0

0.0

-0.1

-0.1

-0.2

-0.5

-0.4

-0.9

-0.6

-1.5

-0.9

-2.0

-1.1

-2.3

-1.3

-2.4

-1.3

-2.4

-1.0

-2.3

-0.4

-2.3

0.5

-2.5

Reference: STAM

Antenna type: TPSCR3_GGD CC

Horizontal offset: 0.0000 m

Vertical offset: 0.0000 m

Additional corrections: Elevation and azim

 TPSCR3_GGD CONE (2)
 TPSPG_A1+GP NONE

 0.0000 m
 0.0000 m

 0.0000 m
 0.0000 m

 Elevation and azimuth
 Elevation and azimuth

Rover: 1004

1.5

-2.6

1.0

-1.9

-0.3

-0.2

-1.7

2.0

-2.1

4.1

-0.2

4.9

1.3

Phase center offsets L1 (Reference) L2 (Reference) L1 (Rover) L2 (Rover) 0.0948 m 0.0400 m Vertical: 0.0615 m 0.0348 m East: -0.0004 m 0.0000 m 0.0000 m -0.0003 m 0.0008 m 0.0003 m -0.0001 m 0.0000 m North: **₁d**↓ A \ ^Z 0° 2′ Additional corrections (Reference): 0° 5° 10° 15° 20° 25° 30° 35° 40° 45° 65° 70° 75° 85 90° 50° 55° 60° 80° -3.5 -3.9 3.0 6.4 L1 0.0 1.0 1.0 0.4 -0.7 -2.1 -4.7 -5.5 -5.9 -5.7 -2.1 0.1 0.0 0.0 -5.1 0° L2 -2.1 -2.3 -2.5 -2.9 -3.1 -3.4 -3.2 -2.9 -2.3 -1.2 0.2 2.4 0.0 0.0 0.0 -0.9 -1.8 -1.9 Additional corrections (Rover): $_{\mathsf{A}}\backslash^{\mathsf{Z}}$ 0° 5° 10° 15° 20° 25° 30° 35° 40° 45° 50° 55° 60° 65° 70° 75° 80° 85 90° 0° -2.0 L1 -2.1 -2.1 -1.9 -2.0 -2.2 -2.6 -2.7 -2.3 -0.9 1.2 3.6 5.3 0.0 -0. -0.4 -0.9 -1.4 -1.8 0° 10° -0.1 -0.3 -0.5 -0.7 -0.9 -1.2 -1.4 -1.6 -1.5 -1.0 -0.3 0.9 0.0 -1.0 1.2 0.0 0.6 -1.1 -1.9 -1.8 -2.4 -1.9 1.5 3.8 L1 0.0 -0.1 -0.4-0.9 -1.4 -1.8 -2.0 -2.0 -1.8 -2.1 -2.4-0.6 5.3 10° 0.0 -0.1 -0.3 -0.5 -0.7 -1.0 -1.5 -1.5 -1.0 -0.3 0.6 8.0 -0.1 1.2 -1.2 -1.6 -1.2 -1.2 20° L1 0.0 -0.1 -0.4-0.8 -1.3 -1.7 -1.9 -1.9 -1.8 -1.7 -1.7 -1.9 -2.1 -2.1 -1.5 0.0 2.1 4.3 5.6 -0.3 -0.5 -0.7 30° L1 0.0 -0.1 -0.4 -0.8 -1.2 -1.6 -1.8 -1.8 -1.7 -1.6 -1.6 -1.8 -2.0 -1.9 -1.1 0.5 2.8 5.0 6.1 30° 0.0 -0.1 -0.2 -0.5 -0.7 -1.0 -1.3 -1.5 -1.6 -1.5 -0.9 0.0 0.9 1.4 1.0 -0.1 -1.4 -1.5 1.0 40° L1 0.0 -0.1 -0.3 -0.7 -1.1 -1.5 -1.7 -1.7 -1.6 -1.5 -1.6 -1.8 -2.0 -1.9 -1.0 0.8 3.3 5.6 6.7 40° L2 0.0 -0.2 -0.7 -1.0 -1.6 -1.7 -0.8 0.2 1.2 1.7 1.4 0.2 -1.3 -0.1 -0.5 -1.3 -1.5 -1.1 1.1 50° L1 50° L2 -1.0 -0.7 -1.4 -1.1 -1.5 -1.4 -1.6 -1.7 -1.5 -1.8 -1.4 -1.5 -1.5 -0.8 3.3 -0.5 0.0 -0.1 -0.3 -0.7 -1.8 -2.1 -2.0 -1.1 0.7 5.8 7.0 0.0 -0.1 -0.2 0.3 1.5 2.1 1.8 0.7 -0.7 -0.4 1.6 60° L1 0.0 -0.1 -0.3 -0.6 -1.0 -1.3 -1.4 -1.5 -1.4 -1.3 -1.5 -1.8 -2.2 7.0 0.3 2.9 5.5 0.4 60° L2 0.0 -0.1 -0.2 -0.4 -0.7 -1.1 -1.5 -1.8 -2.0 -1.7 -0.9 1.6 2.3 2.2 1.2 0.1 0.1 2.3 70° L1 0.0 -0.1 -0.3 -0.6 -0.9 -1.2 -1.4 -1.4 -1.3 -1.3 -1.8 -2.3 -2.4 -1.8 -0.2 2.2 4.8 6.5 70° L2 0.0 0.0 -0.2 -0.4 -0.7 -1.1 -1.6 -2.0 -2.1 -1.8 -1.0 0.2 1.5 2.3 2.3 1.5 0.6 0.7 3.0 0.0 -0.1 -0.3 -0.6 -0.9 -1.2 -1.3 -1.3 -2.1 -0.7 80° L2 0.0 0.0 -0.2 -0.4 -0.7 -1.1 -1.6 -2.0 -2.2 -2.0 -1.2 0.0 1.2 2.1 2.2 1.6 0.8 1.1 3.6 90° L1 0.0 -0.1 -0.3 -0.5 -0.9 -1.2 -1.3 -1.3 -1.3 -1.2 -1.4 -1.8 -2.3 -2.6 -2.2 -0.9 1.1 3.2 4.7 90° 12 0.0 0.0 -0 1 -0.3 -0.7 -1 1 -16 -20 -22 -2 1 -14 -0.3 0.9 17 19 1.3 0.7 1 1 3.8 -1.2 100°L1 0.0 -0.1 -0.3 -0.6 -0.9 -1.4 -1.4 -1.3 -1.3 -1.4 -2.3 -2.5 -2.2 -1.0 -1 .8 0.9 2.8 4.0 -0.3 -0.6 -1.0 -1.3 -1.5 -1.5 -2.0 -1.5 -2.1 -1.4 0.7 2.7 100°L2 0.0 0.0 -0.1 -0.6 -2.2 -1.5 -0.5 0.6 14 1.5 0.9 0.3 3.5 -1.4 -1.5 110°L1 -0.9 -2.5 -2.1 -0.3 -1.9 -2.3 0.9 0.0 -0.1 -0.9 3.6 110°L2 0.0 0.0 -0.1 -0.3 -0.6 -0.9 -1.4 -1.9 -2.1 -2.1 -1.5 -0.6 0.5 1.2 1.3 0.6 -0.2 0.2 3.0 120°L1 0.0 -0.1 -0.3 -0.6 -1.0 -1.4 -1.6 -1.6 -1.5 -1.5 -1.6 -1.9 -2.4 -2.6 -2.1 -0.9 1.0 2.8 3.6 120°L2 0.0 0.0 -0.1 -0.3 -0.5 -0.9 -1.3 -1.8 -2.0 -2.0 -1.5 -0.5 0.5 1.2 1.2 0.4 -0.5 -0.4 24 130°L1 0.0 -0.1 -0.3 -0.7 -1.1 -1.4 -1.7 -1.7 -1.6 -1.6 -1.7 -2.0 -2.5 -2.7 -2.2 -1.0 1.0 2.9 3.8 130°L2 -0.1 -0.2 -0.5 -0.8 -2.0 -0.5 1.3 140°I 1 0.0 -0.1 -0.3 -0.7 -1 1 -15 -17 -18 -17 -16 -17 -2 1 -25 -28 -24 -1 1 0.8 29 4 0 140°L2 -0.5 -1.2 -1.6 -1.9 0.7 0.0 0.0 -0.1 -0.2 -0.8 -1.8 -1.3 -0.4 1.4 1.3 0.4 -0.8 -0.9 1.6 150°I 1 0.0 -0.1 -0.3 -0.7 -1 1 -15 -17 -17 -1.7 -16 -17 -2 1 -26 -2.8 -2.5 -1.3 0.7 28 4 0 -0.2 150°L2 0.0 -0.1 -0.5 -0.8 -1.6 -1.8 -1.8 -1.3 -0.3 0.7 1.3 0.4 0.0 -1.2 -0.8 -0.9 1.4 1.5 -1.1 -0.5 -1.7 -1.2 -1.7 -1.6 -1.6 -1.8 -1.5 -1.8 -1.6 -1.3 160°L1 0.0 -0.1 -0.3 -0.7 -1.5 -2.0 -2.5 -2.8 -2.5 -1.4 0.6 2.7 4.0 160°L2 0.7 1.2 0.3 0.0 0.0 -0.1 -0.2 -0.8 -0.4 1.3 -0.8 -0.9 1.4 170°L1 0.0 -0.1 -0.3 -0.7 -1.1 -1.4 -1.6 -1.5 -1.4 -1.4 -1.5 -1.9 -2.4 -2.7 -2.4 -1.3 0.5 2.6 3.9 170°L2 -0.5 -0.8 -1.8 0.6 0.0 0.0 -0.1 -0.3 -1.2 -1.6 -1.8 -1.3 -0.4 1.2 1.1 0.2 -0.8 -0.8 1.5 180°L1 0.0 -0.3 -0.7 -1.1 -0.5 -1.3 -1.5 -1.4 -1.3 -1.2 -1.4 -1 .7 -2.5 -2.3 -1.2 2.6 0.6 -0.8 -1.6 -1.3 0.5 1.0 180°L2 0.0 0.0 -0.1 -0.3 -1.2 -1.9 -1.8 -0.5 1.1 0.1 -0.8 -0.7 1.7 -0.3 -0.7 190°L1 0.8 190°L2 0.0 0.0 -0.1 -0.3 -0.5 -0.8 -1.2 -1.6 -1.9 -1.9 -1.4 -0.5 0.5 1.1 1.0 0.2 -0.7 -0.5 2.0 200°L1 0.0 -0.3 -0.7 -1.0 -1.2 -1.3 -1.3 -1.1 -1.0 -1.1 -2.2 -1.9 -0.8 1.0 -0.1 3.0 200°L2 0.0 0.0 -0.1 -0.3 -0.6 -0.9 -1.3 -1.7 -2.0 -1.9 -1.4 -0.5 0.6 1.3 1.2 0.4 -0.5 -0.2 2.4 -0.3 -0.7 -1.2 -1.8 -1.7 3.4 210°L1 0.0 -0.1 -1.0 -1.3 -1.3 -1.0 -1.0 -2.0 -0.6 1.3 4.7 -1.1 -1.4 0.0 -0.2 -0.3 -0.3 -0.7 -0.6 -1.0 -0.9 -1.3 -1.3 -1.4 -1.7 -1.3 -2.0 -1.1 -1.9 -1.0 -1.4 -1.0 0.7 -1.7 1.4 -1.9 1.4 -1.6 210°L2 0.0 -0.4 0.6 -0.2 0.1 2.7 220°L1 -0.1 -1.3 1.6 5.1 -0.4 3.8 2.8 220°L2 0.0 0.0 -0.2 -0.4 -0.6 -1.0 -1.3 -1.7 -2.0 -1.9 -1.3 -0.3 0.8 1.6 1.6 0.8 0.2 -0.1 230°L1 4.2 0.0 -0.1 -0.3 -0.7 -1.0 -1.3 -1.4 -1.4 -1.2 -1.1 -1.1 -1.4 -1.8 -1.9 -1.5 -0.1 2.0 5.4 230°L2 0.0 -0.2 -0.4 -0.7 -1.0 -1.4 -1.7 -1.8 -1.2 -0.2 1.0 1.7 1.7 0.9 -0.1 240°L1 0.0 -0.1 -0.3 -0.7 -1.1 -1.4 -1.5 -1.5 -1.3 -1.2 -1.2 -1.5 -1.9 -2.0 -1.4 0.1 2.3 4.5 5.5 240°L2 -0.1 -0.2 -0.4 -0.7 -1.0 -1.7 -1.0 0.1 1.7 0.0 1.9 -0.2 250°L1 0.0 -0.1 -0.4 -0.7 -1.1 -1.4 -1.6 -1.6 -1.4 -1.3 -1.4 -1.7 -2.0 -2.0 -1.3 0.3 2.5 4.7 5.6 250°L2 -0.1 -0.2 -0.4 -0.7 -1.1 -1.4 -1.7 -1.8 -1.5 -0.7 1.4 2.0 1.7 0.7 0.0 -0.5 -0.7 1.5 260°L1 0.0 -0.1 -0.4 -0.7 -1.2 -1.5 -1.7 -1.7 -1.6 -1.5 -1.6 -1.9 -2.2 -2.1 -1.4 0.3 2.6 4.6 5.4 -1.7 260°L2 0.0 -0.2 -0.7 -1.4 -1.7 -1.3 -0.5 0.6 1.6 2.1 1.7 0.9 -0.1 -1.1 -0.9 -1.2 -0.4 0.5 -0.4 -0.2 -1.6 -1.1 -1.9 -1.4 -1.8 -1.6 -2.3 1.7 2.4 -1.2 270°L1 0.0 -0.1 -0.8 -1.2 -1.9 -1.8 -1 R -2.1 -2.2 -1.4 0.2 4.4 5.2 0.0 -0.7 -1.6 -1.2 -0.3 1.6 0.2 -1.6 270°L2 0.8 2.1 0.4 -0.1 -0.4 -1.3 -0.7 -2.0 -0.2 280°L1 0.0 -0.1 -0.4 -0.8 -1.7 -2.0 -2.1 -2.0 -2.0 -2.4 -2.3 -1.5 2.3 4.2 4.9 -2.2 280°L2 0.0 -0.1 -0.2 -1.0 -1.3 -1.5 -1.5 0.8 1.7 2.0 1.4 -1.5 -1.9 -0.4 -1.1 0.0 0.1 290°L1 0.0 -0.1 -0.4 -0.9 -1.4 -1.9 -2.2 -2.3 -2.2 -2.1 -2.2 -2.3 -2.5 -2.4 -1.5 0.0 2.1 4.0 4.7 -0.7 -1.0 -1.3 -1.5 290°L2 0.0 -0.1 -0.2 -0.4 -1.4 -1.0 -0.20.8 1.6 1.9 1.3 -0.2-1.7 -2.1 -0.1300°L1 -0.1 -0.4 -0.9 -2.3 -2.4 -2.3 -2.2 -2.3 2.1 3.9 -2 .4 0.0 300°L2 0.0 -0.1 -0.2 -0.4 -0.6 -0.9 -1.2 -1.4 -1.3 -1.0 -0.3 0.7 1.5 1.7 1.1 -0.3 -1.8 -2.2 -0.2 310°L1 -0.5 -0.9 -2.0 -2.3 -2.4 -2.4 -2.3 -2.3 -2.5 -2.7 -1.7 -0.1 2.1 4.0 4.7 0.0 -0.1 -1.5 -2.5

320°L2	0.0	-0.1	-0.2	-0.4	-0.6	-0.9	-1.1	-1.3	-1.3	-1.1	-0.5	0.3	1.1	1.4	1.0	-0.2	-1.5	-1.9	0.0
330°L1	0.0	-0.1	-0.5	-1.0	-1.5	-2.0	-2.3	-2.4	-2.3	-2.2	-2.3	-2.5	-2.8	-2.8	-2.1	-0.5	1.8	4.1	5.2
330°L2	0.0	-0.1	-0.2	-0.4	-0.6	-0.9	-1.1	-1.3	-1.4	-1.2	-0.6	0.1	0.9	1.4	1.0	0.0	-1.3	-1.6	0.3
340°L1	0.0	-0.1	-0.5	-0.9	-1.5	-1.9	-2.2	-2.3	-2.2	-2.1	-2.2	-2.5	-2.9	-2.9	-2.3	-0.8	1.5	3.9	5.3
340°L2	0.0	-0.1	-0.2	-0.4	-0.7	-0.9	-1.1	-1.3	-1.4	-1.3	-0.8	0.0	8.0	1.3	1.1	0.1	-1.1	-1.3	0.6
350°L1	0.0	-0.1	-0.5	-0.9	-1.5	-1.9	-2.2	-2.2	-2.1	-2.0	-2.1	-2.4	-2.8	-2.9	-2.4	-1.0	1.3	3.7	5.3
350°L2	0.0	-0.1	-0.3	-0.5	-0.7	-0.9	-1.2	-1.4	-1.5	-1.4	-0.9	-0.2	0.7	1.2	1.0	0.1	-1.0	-1.1	1.0

Observation Statistics

Number of common epochs:271Number of used observations (L1):2018Number of rejected observations (L1):0Number of used observations (L2):2018Number of rejected observations (L2):0

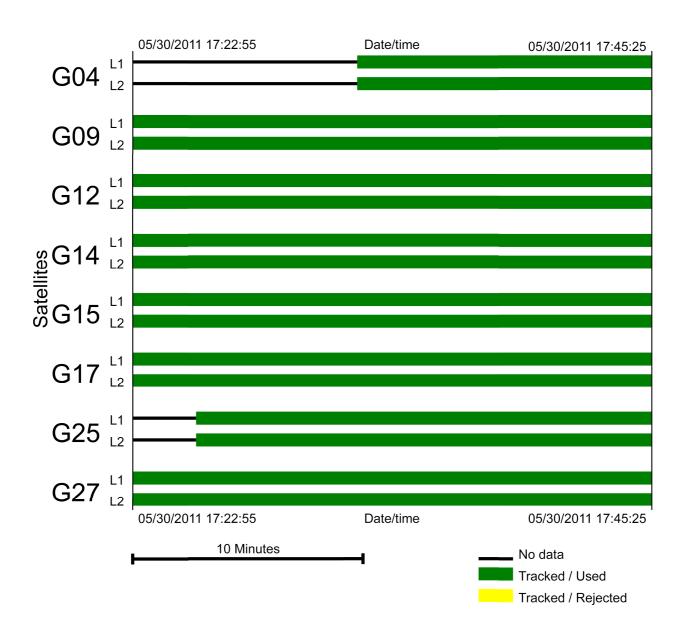
Tracking	Status	L1:
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Satellite		From	То	Status
G04	×	05/30/2011 17:22:55	05/30/2011 17:32:40	No data
	✓	05/30/2011 17:32:40	05/30/2011 17:45:25	Tracked / Used
G09	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G12	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G14	₩	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G15	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G17	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G25	×	05/30/2011 17:22:55	05/30/2011 17:25:40	No data
	✓	05/30/2011 17:25:40	05/30/2011 17:45:25	Tracked / Used
G27	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used

Tracking Status L2:

Tracking Sta	ıtus L2:			
Satellite		From	То	Status
G04	×	05/30/2011 17:22:55	05/30/2011 17:32:40	No data
	✓	05/30/2011 17:32:40	05/30/2011 17:45:25	Tracked / Used
G09	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G12	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G14	₩	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G15	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G17	✓	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used
G25	×	05/30/2011 17:22:55	05/30/2011 17:25:40	No data
	✓	05/30/2011 17:25:40	05/30/2011 17:45:25	Tracked / Used
G27	~	05/30/2011 17:22:55	05/30/2011 17:45:25	Tracked / Used

Tracking Summary:



Ambiguity Statistics

Total number of GPS ambiguities:	16
Number of fixed GPS ambiguities:	16
Total number of GLONASS ambiguities:	0
Number of fixed GLONASS ambiguities:	0
Number of independent fixes:	135
Avg. time between independent fixes:	10"
Percentage of fixed epochs (L1):	100%
Percentage of fixed enoughs (1.2):	100%

Percentage of fixed epochs (overall): 100%

Overall Statistic:

 Status
 From
 To
 Duration

 Fixed
 05/30/2011 17:22:55
 05/30/2011 17:45:25
 22' 30"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

Reference:STAM Rover:1004

 Coordinates:

 Latitude:
 50°09' 44.39907" N
 50°11' 41.08921" N

 Longitude:
 16°56' 51.94054" E
 16°58' 49.08782" E

 Ellip. Hgt:
 603.5355 m
 958.3819 m

Solution type: Phase: all fix GNSS type: GPS Frequency: L1 and L2 Ambiguity: Yes

Quality: Sd. Lat: 0.0002 m Sd. Lon: 0.0001 m Sd. Hgt: 0.0003 m

Posn. Qlty: 0.0003 m Sd. Slope: 0.0002 m

M0: 0.3167 m

 Cofactor matrix Qxx:
 0.00000037
 -0.0000005
 0.00000013

 0.00000023
 -0.0000006

0.00000023 -0.0000006 0.0000087

Baseline vector: dLat: 0°01' 56.69014" dLon: 0°01' 57.14727" dHgt: 354.8464 m

Slope: 4304.9657 m

DOPs (min-max): GDOP: 1.8 - 2.6

PDOP: 1.6 - 2.2 HDOP: 1.0 - 1.3 VDOP: 1.3 - 1.8

Number of used satellites: GPS: 8

GLONASS: -

Processing Errors and Warnings

Warning Orbit: No Glonass orbits available.