

Survey Report

Job name	86-0-manastirc
Creation date	2 Nov 2024
Version	Trimble General Survey 3.21
Distance Units	Meters
Angle units	Gons
Pressure Units	mbar
Temperature Units	Celsius

Coordinate system (Job)

System	
Zone	
Datum	

Projection

Projection	Transverse Mercator
Origin lat	0°00'00.00000"N
Origin long	21°00'00.00000"E
False northing	0.000
False easting	7500000.000
Scale	0.99990000
South azimuth (grid)	No
Grid coords	Increase North-East
Ellipsoid	Semi-major axis: 6378137.000 Flattening: 298.25722154

Local site

Type	Grid
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Datum transformation

Type	None
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Collected Field Data

Projection

Projection	Transverse Mercator
Origin lat	0°00'00.00000"N
Origin long	21°00'00.00000"E
False northing	0.000
False easting	7500000.000
Scale	0.99990000
Ellipsoid	Semi-major axis: 6378137.000 Flattening: 298.25722154

Local site

Type	Grid
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Datum transformation

Type	None
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Feature library

Library name	LIRIDON
Library File Name	LIRIDON.fxl
Attribute Support	No

Corrections

South azimuth (grid)	No
Grid coords	Increase North-East
Magnetic declination	0.0000
Distances	Grid
Neighborhood adjustment	Off

Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Survey event

Survey event	Rover started
Note	VRS base: 42°21'36.26400", 21°06'04.57560", 679.844m

Initialization event: RTK initialized

GPS week	2338	Seconds	551753	Initialization type	On the fly	Survey type	Real-time		
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GNSS receiver

Receiver type	R10
Serial number	5452489155
Firmware version	4.9
Antenna type	R10 Internal
Measurement method	Bottom of quick release
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.199

Point	001	X	4404137.076	Y	1699524.846	Z	4275647.418	Code	muri
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.011	V _t Prec	0.017		
		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	13	Positions used	1		
Point	002	X	4404137.179	Y	1699524.797	Z	4275647.227	Code	muri
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.012	V _t Prec	0.019		
		PDOP	1.7	GDOP	2.3	HDOP	0.8	VDOP	1.5
		Base data age	3	Satellites	12	Positions used	1		

Initialization event: RTK not initialized

GPS week	2338	Seconds	551893	Initialization type	On the fly	Survey type	Real-time		
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Survey event

Survey event	End survey
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Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Survey event

Survey event	Rover started
Note	VRS base: 42°21'34.18380", 21°06'04.56120", 676.885m

Initialization event: RTK initialized

GPS week	2338	Seconds	552020	Initialization type	On the fly	Survey type	Real-time		
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GNSS receiver

Receiver type	R10
Serial number	5452489155
Firmware version	4.9
Antenna type	R10 Internal
Measurement method	Bottom of quick release
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.199

Point	003	X	4404136.244	Y	1699526.522	Z	4275647.418	Code	muri
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Antenna height QC 1	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		1.4
		Type	Uncorrected	Hz Prec	0.008	Vt Prec	0.013		
		PDOP	1.6	GDOP	2.0	HDOP	0.8		
		Base data age	1	Satellites	14	Positions used	1		
Point	004	X	4404136.212	Y	1699526.398	Z	4275647.041	Code	muri
Antenna height QC 1	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
		Type	Uncorrected	Hz Prec	0.010	Vt Prec	0.015		
		PDOP	1.6	GDOP	2.1	HDOP	0.8		
		Base data age	1	Satellites	13	Positions used	1	VDOP	1.4
Point	005	X	4404127.393	Y	1699544.313	Z	4275648.219	Code	muri
Antenna height QC 1	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
		Type	Uncorrected	Hz Prec	0.012	Vt Prec	0.019		
		PDOP	1.6	GDOP	2.1	HDOP	0.8		
		Base data age	1	Satellites	13	Positions used	1	VDOP	1.4

Initialization event: RTK not initialized

GPS week	2338	Seconds	552096	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	552123	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2338	Seconds	552163	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	552185	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2338	Seconds	552196	Initialization type	On the fly	Survey type	Real-time		
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Survey event

Survey event	End survey								
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Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Survey event

Survey event	Rover started								
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Note	VRS base: 42°21'34.18740", 21°06'05.28840", 676.910m								
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Initialization event: RTK initialized

GPS week	2338	Seconds	552316	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2338	Seconds	552338	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	552341	Initialization	On the fly	Survey type	Real-time		
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				type				
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GNSS receiver

Receiver type	R10
Serial number	5452489155
Firmware version	4.9
Antenna type	R10 Internal
Measurement method	Bottom of quick release
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.199

Point	006	X	4404129.868	Y	1699541.904	Z	4275648.184	Code	ParcelaB 9846
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.025	V _t Prec	0.038		
		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	10	Positions used	1		

Stake out point (006)	Design point: ParcelaB 9846Code:
Method	To the point

Stakeout	Deltas: Grid	Δ North	0.008	Δ East	-0.013	ΔElev	-666.255		
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Point	007	X	4404130.866	Y	1699539.926	Z	4275647.937	Code	ParcelaB 9850
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.027	V _t Prec	0.036		
		PDOP	2.5	GDOP	3.1	HDOP	1.9	VDOP	1.7
		Base data age	2	Satellites	8	Positions used	1		

Stake out point (007)	Design point: ParcelaB 9850Code:
Method	To the point

Stakeout	Deltas: Grid	Δ North	-0.019	Δ East	0.006	ΔElev	-666.250		
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Initialization event: RTK not initialized

GPS week	2338	Seconds	552446	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	552450	Initialization type	On the fly	Survey type	Real-time		
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Point	008	X	4404135.362	Y	1699525.948	Z	4275648.625	Code	ParcelaB 9854
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.015	V _t Prec	0.023		
		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	3	Satellites	13	Positions used	1		

Stake out point (008)	Design point: ParcelaB 9854Code:
Method	To the point

Stakeout	Deltas: Grid	Δ North	-0.053	Δ East	0.004	ΔElev	-666.094		
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Point	009	X	4404123.772	Y	1699552.064	Z	4275648.765	Code	muri
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.014	V _t Prec	0.021		
		PDOP	1.4	GDOP	1.8	HDOP	0.7	VDOP	1.2
		Base data age	9	Satellites	14	Positions used	1		

Initialization event: RTK not initialized

GPS week	2338	Seconds	552610	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	552618	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2338	Seconds	552670	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	552671	Initialization type	On the fly	Survey type	Real-time		
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Point	017	X	4404089.995	Y	1699584.963	Z	4275668.454	Code	ParcelaB 9732
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.010	V _t Prec	0.015		
		PDOP	1.5	GDOP	2.0	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (017)		Design point: ParcelaB 9732Code: To the point							
Stakeout	Deltas: Grid	Δ North	-0.010	Δ East	0.041	ΔElev	-663.880		
Point	018	X	4404089.650	Y	1699585.618	Z	4275668.588	Code	rrethoj
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.009	V _t Prec	0.014		
		PDOP	1.7	GDOP	2.3	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	11	Positions used	1		
Point	019	X	4404093.604	Y	1699575.575	Z	4275668.596	Code	ParcelaB 9707
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.010	V _t Prec	0.014		
		PDOP	1.5	GDOP	2.0	HDOP	0.9	VDOP	1.2
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (019)		Design point: ParcelaB 9707Code: To the point							
Stakeout	Deltas: Grid	Δ North	-0.002	Δ East	-0.012	ΔElev	-663.966		
Point	020	X	4404097.133	Y	1699587.018	Z	4275661.491	Code	rrethoj
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.010	V _t Prec	0.015		
		PDOP	2.0	GDOP	2.7	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	10	Positions used	1		
Point	021	X	4404107.073	Y	1699587.008	Z	4275652.345	Code	rrethoj
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.015	V _t Prec	0.023		
		PDOP	2.2	GDOP	3.1	HDOP	1.4	VDOP	1.8
		Base data age	1	Satellites	9	Positions used	1		
Point	022	X	4404108.422	Y	1699586.946	Z	4275651.254	Code	rrethoj
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.013	V _t Prec	0.020		
		PDOP	2.0	GDOP	2.7	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	10	Positions used	1		
Point	023	X	4404130.036	Y	1699585.132	Z	4275631.534	Code	ParcelaB 9740
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.010	V _t Prec	0.015		
		PDOP	1.5	GDOP	2.0	HDOP	0.9	VDOP	1.2
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (023)		Design point: ParcelaB 9740Code: To the point							
Stakeout	Deltas: Grid	Δ North	-0.009	Δ East	0.003	ΔElev	-666.653		
Point	024	X	4404143.669	Y	1699558.832	Z	4275628.102	Code	ParcelaB 9788
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.025	V _t Prec	0.036		
		PDOP	3.0	GDOP	4.2	HDOP	1.9	VDOP	2.3
		Base data age	1	Satellites	9	Positions used	1		
Stake out point (024)		Design point: ParcelaB 9788Code: To the point							
Stakeout	Deltas: Grid	Δ North	0.022	Δ East	0.006	ΔElev	-666.741		
Point	025	X	4404138.451	Y	1699585.658	Z	4275623.463	Code	ParcelaB 9744
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.012	V _t Prec	0.016		
		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	2	Satellites	11	Positions used	1		
Stake out point (025)		Design point: ParcelaB 9744Code: To the point							
Stakeout	Deltas: Grid	Δ North	-0.008	Δ East	0.008	ΔElev	-667.155		

Point	026	X	4404163.621	Y	1699563.443	Z	4275608.400	Code	ParcelaB 9784
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.015	V _t Prec	0.020		
		PDOP	1.3	GDOP	1.7	HDOP	0.8	VDOP	1.1
		Base data age	1	Satellites	13	Positions used	1		
Stake out point (026)		Design point: ParcelaB 9784Code: To the point							
Stakeout	Deltas: Grid	Δ North	0.029	Δ East	0.003	ΔElev	-668.448		

Point	027	X	4404181.345	Y	1699568.376	Z	4275590.642	Code	ParcelaB 9780
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.012	V _t Prec	0.016		
		PDOP	1.3	GDOP	1.7	HDOP	0.7	VDOP	1.1
		Base data age	1	Satellites	14	Positions used	1		
Stake out point (027)		Design point: ParcelaB 9780Code: To the point							
Stakeout	Deltas: Grid	Δ North	-0.034	Δ East	0.001	ΔElev	-670.015		

Point	028	X	4404170.716	Y	1699589.753	Z	4275592.707	Code	ParcelaB 9748
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.012	V _t Prec	0.016		
		PDOP	1.3	GDOP	1.7	HDOP	0.8	VDOP	1.1
		Base data age	1	Satellites	13	Positions used	1		
Stake out point (028)		Design point: ParcelaB 9748Code: To the point							
Stakeout	Deltas: Grid	Δ North	-0.014	Δ East	-0.011	ΔElev	-669.765		

Point	029	X	4404184.880	Y	1699590.611	Z	4275578.994	Code	ParcelaB 9752
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.012	V _t Prec	0.015		
		PDOP	1.3	GDOP	1.7	HDOP	0.7	VDOP	1.1
		Base data age	1	Satellites	14	Positions used	1		
Stake out point (029)		Design point: ParcelaB 9752Code: To the point							
Stakeout	Deltas: Grid	Δ North	-0.028	Δ East	0.003	ΔElev	-670.519		

Point	030	X	4404194.092	Y	1699571.475	Z	4275577.640	Code	ParcelaB 9776
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.012	V _t Prec	0.016		
		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.2
		Base data age	2	Satellites	13	Positions used	1		
Stake out point (030)		Design point: ParcelaB 9776Code: To the point							
Stakeout	Deltas: Grid	Δ North	0.027	Δ East	-0.004	ΔElev	-670.866		

Point	031	X	4404197.377	Y	1699593.008	Z	4275566.132	Code	ParcelaB 9756
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.011	V _t Prec	0.015		
		PDOP	1.3	GDOP	1.7	HDOP	0.8	VDOP	1.1
		Base data age	1	Satellites	14	Positions used	1		
Stake out point (031)		Design point: ParcelaB 9756Code: To the point							
Stakeout	Deltas: Grid	Δ North	0.003	Δ East	0.024	ΔElev	-671.106		

Initialization event: RTK not initialized

GPS week	2338	Seconds	554828	Initialization type	On the fly	Survey type	Real-time		
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Survey event

Survey event	End survey
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Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Survey event

Survey event	Rover started								
Note	VRS base: 42°21'29.78640", 21°06'05.90940", 690.011m								

Initialization event: RTK initialized

GPS week	2338	Seconds	554979	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2338	Seconds	555014	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	555015	Initialization type	On the fly	Survey type	Real-time		
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GNSS receiver

Receiver type	R10								
Serial number	5452489155								
Firmware version	4.9								
Antenna type	R10 Internal								
Measurement method	Bottom of quick release								
Tape adjustment	0.000								
Horizontal offset	0.000								
Vertical offset	0.199								

Point	032	X	4404217.264	Y	1699594.727	Z	4275546.759	Code	ParcelaB 9764
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.010	V _t Prec	0.013		
		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1		

Stake out point (032)	Design point: ParcelaB 9764Code:								
Method	To the point								
Stakeout	Deltas: Grid	Δ North	-0.021	Δ East	0.006	ΔElev	-672.220		

Point	033	X	4404213.932	Y	1699585.077	Z	4275553.784	Code	ParcelaB 9768
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.010	V _t Prec	0.014		
		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	2	Satellites	11	Positions used	1		

Stake out point (033)	Design point: ParcelaB 9768Code:								
Method	To the point								
Stakeout	Deltas: Grid	Δ North	-0.006	Δ East	0.020	ΔElev	-672.089		

Point	034	X	4404212.867	Y	1699577.597	Z	4275557.590	Code	ParcelaB 9772
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.010	V _t Prec	0.014		
		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1		

Stake out point (034)	Design point: ParcelaB 9772Code:								
Method	To the point								
Stakeout	Deltas: Grid	Δ North	-0.024	Δ East	-0.020	ΔElev	-671.930		

Survey event

Survey event	End survey								
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Rover options

Elevation mask	13	PDOP mask	6						
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over options

Elevation mask	13	PDOP mask	6						
Survey event									
Survey event		Rover started							
Note		VRS base: 42°21'36.63300", 21°06'04.52820", 683.327m							
Initialization event: RTK initialized									
GPS week	2338	Seconds	556225	Initialization type	On the fly	Survey type	Real-time		
GNSS receiver									
Receiver type		R10							
Serial number		5452489155							
Firmware version		4.9							
Antenna type		R10 Internal							
Measurement method		Bottom of quick release							
Tape adjustment		0.000							
Horizontal offset		0.000							
Vertical offset		0.199							
Point	035	X	4404090.428	Y	1699508.715	Z	4275699.923	Code	muri
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	Hz Prec	0.007	Vt Prec	0.009		
		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	1		
Point	036	X	4404089.756	Y	1699510.701	Z	4275699.845	Code	muri
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	Hz Prec	0.009	Vt Prec	0.013		
		PDOP	1.7	GDOP	2.3	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	1		
Initialization event: RTK not initialized									
GPS week	2338	Seconds	556254	Initialization type	On the fly	Survey type	Real-time		
Initialization event: RTK initialized									
GPS week	2338	Seconds	556307	Initialization type	On the fly	Survey type	Real-time		
Point	037	X	4404078.926	Y	1699532.339	Z	4275699.595	Code	rrethoj
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	Hz Prec	0.011	Vt Prec	0.015		
		PDOP	2.7	GDOP	3.8	HDOP	1.5	VDOP	2.3
		Base data age	1	Satellites	9	Positions used	1		
Point	038	X	4404060.280	Y	1699569.855	Z	4275700.897	Code	rrethoj
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	Hz Prec	0.022	Vt Prec	0.031		
		PDOP	1.8	GDOP	2.5	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	1		
Point	039	X	4404060.781	Y	1699570.437	Z	4275700.523	Code	ParcelaB 9801
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.020	Vt Prec	0.029		
		PDOP	1.8	GDOP	2.4	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (039)		Design point: ParcelaB 9801Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.003	Δ East	-0.009	ΔElev	-661.484		
Point	040	X	4404063.846	Y	1699578.561	Z	4275693.608	Code	ParcelaB 9826
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.024		
		PDOP	1.8	GDOP	2.4	HDOP	0.9	VDOP	1.5
						Positions			

		Base data age	1	Satellites	12	used	1		
Stake out point (040)		Design point: ParcelaB 9826Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.044	Δ East	0.025	ΔElev	-661.098		

Initialization event: RTK not initialized

GPS week	2338	Seconds	556738	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	556742	Initialization type	On the fly	Survey type	Real-time		
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Point	041	X	4404032.537	Y	1699568.016	Z	4275729.667	Code	ParcelaB 10056
Antenna height	2.300	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.013	V _t Prec	0.017		
		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	3	Satellites	13	Positions used	1		
Stake out point (041)		Design point: ParcelaB 10056Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.006	Δ East	0.012	ΔElev	-661.007		

Initialization event: RTK not initialized

GPS week	2338	Seconds	556783	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2338	Seconds	556784	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2338	Seconds	556835	Initialization type	On the fly	Survey type	Real-time		
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Survey event

Survey event	End survey								
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Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Survey event

Survey event	Rover started								
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Note	VRS base: 42°21'37.64880", 21°06'07.58700", 675.147m								
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Initialization event: RTK initialized

GPS week	2338	Seconds	556979	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2338	Seconds	556993	Initialization type	On the fly	Survey type	Real-time		
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Survey event

Survey event	End survey								
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Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6					
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Survey event

Survey event	Rover started
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Note	VRS base: 42°21'37.66380", 21°06'07.55160", 667.115m
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Initialization event: RTK initialized

GPS week	2338	Seconds	557061	Initialization type	On the fly	Survey type	Real-time		
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GNSS receiver

Receiver type	R10
Serial number	5452489155
Firmware version	4.9
Antenna type	R10 Internal
Measurement method	Bottom of quick release
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.199

Point	042	X	4404043.633	Y	1699565.030	Z	4275719.688	Code	ParcelaB 10060
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.300	Type	Uncorrected	Hz Prec	0.006	Vt Prec	0.009		
QC 1		PDOP	1.7	GDOP	2.3	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	13	Positions used	1		
Stake out point (042)	Design point: ParcelaB 10060Code:								
Method	To the point								
Stakeout	Deltas: Grid	Δ North	-0.024	Δ East	0.004	ΔElev	-661.137		

Point	043	X	4404057.209	Y	1699563.164	Z	4275706.869	Code	ParcelaB 9956
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.300	Type	Uncorrected	Hz Prec	0.008	Vt Prec	0.012		
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.0	VDOP	1.5
		Base data age	2	Satellites	12	Positions used	1		
Stake out point (043)	Design point: ParcelaB 9956Code:								
Method	To the point								
Stakeout	Deltas: Grid	Δ North	0.025	Δ East	-0.020	ΔElev	-661.362		

Point	044	X	4404057.679	Y	1699563.881	Z	4275706.149	Code	rrethoj
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	2.300	Type	Uncorrected	Hz Prec	0.008	Vt Prec	0.011		
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	1		
Point	045	X	4404028.925	Y	1699571.179	Z	4275731.796	Code	rrethoj
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	2.300	Type	Uncorrected	Hz Prec	0.009	Vt Prec	0.013		
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	1		
Point	046	X	4404028.929	Y	1699571.176	Z	4275731.798	Code	mexh
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	2.300	Type	Uncorrected	Hz Prec	0.009	Vt Prec	0.013		
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	1		
Point	047	X	4404026.934	Y	1699530.125	Z	4275753.873	Code	mexh
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	2.300	Type	Uncorrected	Hz Prec	0.009	Vt Prec	0.013		
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	1		
Point	048	X	4404026.939	Y	1699530.121	Z	4275753.870	Code	rrethoj
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	2.300	Type	Uncorrected	Hz Prec	0.009	Vt Prec	0.014		
QC 1		PDOP	1.7	GDOP	2.3	HDOP	0.9	VDOP	1.4
		Base data age	2	Satellites	13	Positions used	1		

Survey event

Survey event

Survey event		End survey							
Point	fe12m	Latitude	42°22'04.81625"N	Longitude	21°05'27.05949"E	Height	669.828	Code	

Rover options

Elevation mask	13	PDOP mask	6						
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Rover options

Elevation mask	13	PDOP mask	6						
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Survey event

Survey event		Rover started							
Note		VRS base: 42°22'04.98480", 21°05'27.18120", 687.635m							

Initialization event: RTK initialized

GPS week	2338	Seconds	558108	Initialization type	On the fly	Survey type	Real-time		
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GNSS receiver

Receiver type	R10								
Serial number	5452489155								
Firmware version	4.9								
Antenna type	R10 Internal								
Measurement method	Bottom of quick release								
Tape adjustment	0.000								
Horizontal offset	0.000								
Vertical offset	0.199								

Point	fe12m	X	4403855.285	Y	1698498.393	Z	4276346.260	Code	
		Method	Network RTK	Type	Observed control point	Search class	Normal		
Antenna height	2.300	Type	Uncorrected	H _z Prec	0.008	V _t Prec	0.014		
QC 1		PDOP	1.8	GDOP	2.4	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	13	Positions used	31		
QC 2		V _{CV} xx (m²)	0.000148	V _{CV} xy (m²)	0.000038	V _{CV} xz (m²)	0.000074		
				V _{CV} yy (m²)	0.000043	V _{CV} yz (m²)	0.000028		
						V _{CV} zz (m²)	0.000087		

Reduced points

Point	001	North	4691107.133	East	7508339.855	Elevation	666.169	Code	muri
Point	002	North	4691106.939	East	7508339.772	Elevation	666.100	Code	muri
Point	003	North	4691107.252	East	7508341.717	Elevation	666.042	Code	muri
Point	004	North	4691107.023	East	7508341.613	Elevation	665.733	Code	muri
Point	005	North	4691109.115	East	7508361.495	Elevation	665.213	Code	muri
Point	006	North	4691108.114	East	7508358.358	Elevation	666.255	Code	ParcelaB 9846
Point	007	North	4691107.781	East	7508356.155	Elevation	666.250	Code	ParcelaB 9850
Point	008	North	4691108.837	East	7508341.497	Elevation	666.094	Code	ParcelaB 9854
Point	009	North	4691109.924	East	7508370.028	Elevation	665.146	Code	muri
Point	010	North	4691110.535	East	7508373.209	Elevation	665.215	Code	ParcelaB 9792
Point	011	North	4691110.232	East	7508373.333	Elevation	665.204	Code	muri
Point	012	North	4691114.064	East	7508399.368	Elevation	665.363	Code	ParcelaB 9796
Point	013	North	4691112.590	East	7508399.362	Elevation	665.397	Code	muri
Point	014	North	4691113.295	East	7508407.243	Elevation	665.302	Code	muri
Point	015	North	4691113.064	East	7508407.118	Elevation	665.348	Code	muri
Point	016	North	4691127.255	East	7508411.472	Elevation	664.617	Code	ParcelaB 9736
Point	017	North	4691137.771	East	7508412.840	Elevation	663.880	Code	ParcelaB 9732
Point	018	North	4691137.928	East	7508413.574	Elevation	663.907	Code	rrethoj
Point	019	North	4691137.872	East	7508402.783	Elevation	663.966	Code	ParcelaB 9707
Point	020	North	4691127.641	East	7508412.199	Elevation	664.655	Code	rrethoj
Point	021	North	4691114.635	East	7508408.627	Elevation	665.343	Code	rrethoj
Point	022	North	4691112.996	East	7508408.085	Elevation	665.521	Code	rrethoj
Point	023	North	4691085.272	East	7508398.647	Elevation	666.653	Code	ParcelaB 9740
Point	024	North	4691080.512	East	7508369.214	Elevation	666.741	Code	ParcelaB 9788
Point	025	North	4691073.890	East	7508396.122	Elevation	667.155	Code	ParcelaB 9744
Point	026	North	4691052.296	East	7508366.367	Elevation	668.448	Code	ParcelaB 9784
Point	027	North	4691026.839	East	7508364.618	Elevation	670.015	Code	ParcelaB 9780

Point	028	North	4691029.888	East	7508388.380	Elevation	669.765	Code	ParcelaB 9748
Point	029	North	4691010.643	East	7508384.106	Elevation	670.519	Code	ParcelaB 9752
Point	030	North	4691008.469	East	7508362.943	Elevation	670.866	Code	ParcelaB 9776
Point	031	North	4690992.703	East	7508381.865	Elevation	671.106	Code	ParcelaB 9756
Point	032	North	4690965.468	East	7508376.342	Elevation	672.220	Code	ParcelaB 9764
Point	033	North	4690975.083	East	7508368.529	Elevation	672.089	Code	ParcelaB 9768
Point	034	North	4690980.371	East	7508361.929	Elevation	671.929	Code	ParcelaB 9772
Point	035	North	4691179.154	East	7508341.513	Elevation	665.097	Code	muri
Point	036	North	4691179.040	East	7508343.607	Elevation	665.110	Code	muri
Point	037	North	4691180.442	East	7508367.687	Elevation	663.232	Code	rrethoj
Point	038	North	4691184.074	East	7508409.388	Elevation	661.236	Code	rrethoj
Point	039	North	4691183.342	East	7508409.751	Elevation	661.484	Code	ParcelaB 9801
Point	040	North	4691174.345	East	7508416.237	Elevation	661.098	Code	ParcelaB 9826
Point	041	North	4691223.220	East	7508417.612	Elevation	661.007	Code	ParcelaB 10056
Point	042	North	4691209.591	East	7508410.849	Elevation	661.137	Code	ParcelaB 10060
Point	043	North	4691192.033	East	7508404.243	Elevation	661.362	Code	ParcelaB 9956
Point	044	North	4691191.032	East	7508404.743	Elevation	661.392	Code	rrethoj
Point	045	North	4691226.301	East	7508421.858	Elevation	660.792	Code	rrethoj
Point	046	North	4691226.301	East	7508421.854	Elevation	660.795	Code	mexh
Point	047	North	4691253.774	East	7508384.249	Elevation	663.374	Code	mexh
Point	048	North	4691253.769	East	7508384.244	Elevation	663.374	Code	rrethoj
Point	fe12m	North	4692048.411	East	7507482.707	Elevation	669.828	Code	
Point	fee12m	North	4692048.440	East	7507482.733	Elevation	669.836	Code	