

# Survey Report

Job name	3709-9-jezerc
Creation date	15 Sep 2025
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°21'47.26980", 21°00'43.08120", 1000.605m

Initialization event: RTK initialized

GPS week	2384	Seconds	140881	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	Auto0000	X	4406748.288	Y	1692628.688	Z	4276183.362	Code	Ndarjet 10068
Antenna height	1.800	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.010	Vt Prec	0.013		
		PDOP	1.4	GDOP	1.9	HDOP	0.8	VDOP	1.2
		Base data age	1	Satellites	14	Positions used	1		
Stake out point (Auto0000)		Design point: Ndarjet 10068Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.020	Δ East	0.018	ΔElev	3.936		

Point	Auto0001	X	4406734.526	Y	1692621.850	Z	4276204.887	Code	Ndarjet 10041
Antenna height	1.800	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.026	Vt Prec	0.032		
		PDOP	2.0	GDOP	2.5	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	9	Positions used	1		
Stake out point (Auto0001)		Design point: Ndarjet 10041Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.027	Δ East	-0.049	ΔElev	0.735		

Point	Auto0002	X	4406735.167	Y	1692616.579	Z	4276206.446	Code	ParcelaB 9900
Antenna height	1.800	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.013	Vt Prec	0.017		
		PDOP	1.4	GDOP	1.9	HDOP	0.8	VDOP	1.2
		Base data age	1	Satellites	14	Positions used	1		
Stake out point (Auto0002)		Design point: ParcelaB 9900Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.044	Δ East	0.015	ΔElev	-1000.898		

Point	Auto0003	X	4406737.752	Y	1692599.991	Z	4276207.965	Code	Ndarjet 10084
Antenna height	1.800	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.014	Vt Prec	0.019		
		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1		
Stake out point (Auto0003)		Design point: Ndarjet 10084Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.019	Δ East	-0.016	ΔElev	2.227		

Point	Auto0004	X	4406745.988	Y	1692604.100	Z	4276195.232	Code	Ndarjet 10083
Antenna height	1.800	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.014	Vt Prec	0.018		
		PDOP	1.4	GDOP	1.9	HDOP	0.8	VDOP	1.2
		Base data age	1	Satellites	14	Positions used	1		
Stake out line (Auto0004)		Line name: Ndarjet 10083 Code:							
Method		To the line							
Station		15.622							
Elevation		1001.538							
Stakeout	Deltas: Grid	Δ North	0.000	Δ East	0.004	ΔElev	4.038		
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	-0.004	ΔElev	4.038	Grade to line	102974.99%

Point	Auto0005	X	4406755.173	Y	1692608.584	Z	4276183.447	Code	Ndarjet 10080
		Method	Network RTK	Type	Rapid point	Search class	As-staked		

Antenna height	1.800	Type	Uncorrected	Hz Prec	0.014	Vt Prec	0.018		
QC 1		PDOP	1.4	GDOP	1.9	HDOP	0.8	VDOP	1.2
		Base data age	1	Satellites	14	Positions used	1		
Stake out point (Auto0005)		Design point: Ndarjet 10080Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.001	Δ East	0.012	ΔElev	4.456		

Point	Auto0006	X	4406753.309	Y	1692611.720	Z	4276183.611	Code	Ndarjet 10076
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.800	Type	Uncorrected	Hz Prec	0.014	Vt Prec	0.019		
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1		
Stake out point (Auto0006)		Design point: Ndarjet 10076Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.010	Δ East	0.006	ΔElev	4.800		

Point	Auto0007	X	4406748.947	Y	1692623.024	Z	4276184.024	Code	Ndarjet 10072
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.800	Type	Uncorrected	Hz Prec	0.014	Vt Prec	0.019		
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1		
Stake out point (Auto0007)		Design point: Ndarjet 10072Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.005	Δ East	0.025	ΔElev	4.535		

Point	Auto0008	X	4406742.700	Y	1692625.890	Z	4276192.248	Code	Ndarjet 10067
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.800	Type	Uncorrected	Hz Prec	0.015	Vt Prec	0.020		
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1		
Stake out line (Auto0008)		Line name: Ndarjet 10067 Code:							
Method		To the line							
Station		10.792							
Elevation		1001.538							
Stakeout	Deltas: Grid	Δ North	0.000	Δ East	0.003	ΔElev	2.544		
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	0.003	ΔElev	2.544	Grade to line	78505.20%

Point	Auto0009	X	4406748.568	Y	1692584.850	Z	4276203.533	Code	ParcelaB 9888
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.800	Type	Uncorrected	Hz Prec	0.015	Vt Prec	0.020		
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (Auto0009)		Design point: ParcelaB 9888Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.004	Δ East	0.000	ΔElev	-999.773		

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°21'47.31600", 21°00'38.54160", 1007.758m
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Initialization event: RTK initialized

GPS week	2384	Seconds	142671	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	Auto0010	X	4406796.655	Y	1692561.382	Z	4276167.174	Code	Ndarjet 10122
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.800	Type	Uncorrected	H <sub>z</sub> Prec	0.009	V <sub>t</sub> Prec	0.012		
QC 1		PDOP	2.1	GDOP	2.9	HDOP	1.2	VDOP	1.7
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (Auto0010)		Design point: Ndarjet 10122Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.008	Δ East	-0.058	ΔElev	-1002.225		

Point	Auto0011	X	4406792.061	Y	1692554.875	Z	4276180.378	Code	Ndarjet 10126
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.800	Type	Uncorrected	H <sub>z</sub> Prec	0.010	V <sub>t</sub> Prec	0.013		
QC 1		PDOP	2.1	GDOP	2.9	HDOP	1.2	VDOP	1.7
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (Auto0011)		Design point: Ndarjet 10126Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.002	Δ East	0.007	ΔElev	-1006.229		

Point	Auto0012	X	4406799.432	Y	1692556.612	Z	4276164.941	Code	Ndarjet 10118
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.800	Type	Uncorrected	H <sub>z</sub> Prec	0.011	V <sub>t</sub> Prec	0.015		
QC 1		PDOP	2.2	GDOP	3.1	HDOP	1.2	VDOP	1.8
		Base data age	1	Satellites	11	Positions used	1		
Stake out point (Auto0012)		Design point: Ndarjet 10118Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.011	Δ East	-0.013	ΔElev	-1001.372		

Point	Auto0013	X	4406811.354	Y	1692540.326	Z	4276161.420	Code	Ndarjet 10114
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.500	Type	Uncorrected	H <sub>z</sub> Prec	0.014	V <sub>t</sub> Prec	0.019		
QC 1		PDOP	2.5	GDOP	3.5	HDOP	1.5	VDOP	2.0
		Base data age	1	Satellites	10	Positions used	1		
Stake out point (Auto0013)		Design point: Ndarjet 10114Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.006	Δ East	0.059	ΔElev	-1002.208		

Point	Auto0014	X	4406814.253	Y	1692533.089	Z	4276160.214	Code	Ndarjet 10110
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.500	Type	Uncorrected	H <sub>z</sub> Prec	0.013	V <sub>t</sub> Prec	0.017		
QC 1		PDOP	2.3	GDOP	3.2	HDOP	1.3	VDOP	1.9
		Base data age	1	Satellites	10	Positions used	1		
Stake out point (Auto0014)		Design point: Ndarjet 10110Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.016	Δ East	0.024	ΔElev	-1001.478		

Initialization event: RTK not initialized

GPS week	2384	Seconds	143258	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2384	Seconds	143266	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2384	Seconds	143267	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2384	Seconds	143274	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2384	Seconds	143289	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2384	Seconds	143372	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2384	Seconds	143382	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2384	Seconds	143394	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2384	Seconds	143407	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2384	Seconds	143476	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2384	Seconds	143552	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2384	Seconds	143553	Initialization type	On the fly	Survey type	Real-time		
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Survey event

Survey event	End survey								
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Reduced points

Point	Auto0000	North	4691525.681	East	7500967.416	Elevation	997.602	Code	Ndarjet 10068
Point	Auto0001	North	4691551.887	East	7500965.964	Elevation	1000.803	Code	Ndarjet 10041
Point	Auto0002	North	4691553.908	East	7500960.815	Elevation	1000.898	Code	ParcelaB 9900
Point	Auto0003	North	4691557.409	East	7500944.407	Elevation	999.311	Code	Ndarjet 10084
Point	Auto0004	North	4691541.831	East	7500945.291	Elevation	997.500	Code	Ndarjet 10083
Point	Auto0005	North	4691526.267	East	7500946.186	Elevation	997.082	Code	Ndarjet 10080
Point	Auto0006	North	4691526.804	East	7500949.780	Elevation	996.738	Code	Ndarjet 10076
Point	Auto0007	North	4691527.123	East	7500961.894	Elevation	997.003	Code	Ndarjet 10072
Point	Auto0008	North	4691536.434	East	7500966.806	Elevation	998.994	Code	Ndarjet 10067
Point	Auto0009	North	4691550.988	East	7500926.400	Elevation	999.773	Code	ParcelaB 9888
Point	Auto0010	North	4691499.553	East	7500887.267	Elevation	1002.225	Code	Ndarjet 10122
Point	Auto0011	North	4691513.767	East	7500882.839	Elevation	1006.229	Code	Ndarjet 10126
Point	Auto0012	North	4691497.309	East	7500881.821	Elevation	1001.372	Code	Ndarjet 10118
Point	Auto0013	North	4691491.141	East	7500862.348	Elevation	1002.208	Code	Ndarjet 10114
Point	Auto0014	North	4691490.175	East	7500854.555	Elevation	1001.478	Code	Ndarjet 10110