

# Survey Report

Job name	131-0-prel_jerl
Creation date	12 Aug 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°25'40.45920", 21°08'32.13300", 598.827m

Initialization event: RTK initialized

GPS week	2379	Seconds	228050	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	228057	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	228082	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	4398057.476	Y	1700794.649	Z	4281249.729	Code	rregulli 10954
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	H <sub>z</sub> Prec	0.007	V <sub>t</sub> Prec	0.010		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1		
Stake out point (Auto0000)		Design point: rregulli 10954Code: To the point							
Stakeout	Deltas: Grid	Δ North	0.002	Δ East	-0.009	ΔElev	-593.619		

Point	Auto0001	X	4398048.510	Y	1700774.374	Z	4281266.768	Code	rregulli 10953
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	H <sub>z</sub> Prec	0.009	V <sub>t</sub> Prec	0.013		
QC 1		PDOP	1.7	GDOP	2.3	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	1		
Stake out line (Auto0001)		Line name: rregulli 10953 Code: To the line 27.948 0.000							
Stakeout	Deltas: Grid	Δ North	-0.010	Δ East	-0.014	ΔElev	-593.545		
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	-0.017	ΔElev	-593.545	Grade to line	-3492870.91%

Point	Auto0002	X	4398037.665	Y	1700750.054	Z	4281286.998	Code	rregulli 10929
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	H <sub>z</sub> Prec	0.008	V <sub>t</sub> Prec	0.011		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1		
Stake out point (Auto0002)		Design point: rregulli 10929Code: To the point							
Stakeout	Deltas: Grid	Δ North	0.005	Δ East	-0.007	ΔElev	-593.253		

Point	Auto0003	X	4398011.254	Y	1700769.090	Z	4281306.436	Code	Ndarjet 10903
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	H <sub>z</sub> Prec	0.008	V <sub>t</sub> Prec	0.011		
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 (Auto0003)		Design point: Ndarjet 10903Code: To the point							
Stakeout	Deltas: Grid	Δ North	0.022	Δ East	-0.007	ΔElev	-593.253		

Point	Auto0004	X	4398019.014	Y	1700798.530	Z	4281287.400	Code	Ndarjet 10927
Antenna		Method	Network RTK	Type	Rapid point	Search class	As-staked		

height	1.700	Type	Uncorrected	Hz Prec	0.008	Vt Prec	0.012		
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 (Auto0004)		Line name: Ndarjet 10927 Code:							
Method		To the line							
Station		35.918							
Elevation		0.000							
Stakeout	Deltas: Grid	Δ North	0.000	Δ East	0.000	ΔElev	-593.590		
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	0.000	ΔElev	-593.590	Grade to line	-99999999.00%

Point	Auto0005	X	4398025.856	Y	1700825.214	Z	4281269.897	Code	Ndarjet 10928
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	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	2	Satellites	12	Positions used	1		
Stake out point (Auto0005)		Design point: Ndarjet 10928Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.009	Δ East	-0.013	ΔElev	-593.596		

Point	Auto0006	X	4398034.617	Y	1700812.371	Z	4281265.907	Code	ParcelaB 11074
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	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	12	Positions used	1		
Stake out point (Auto0006)		Design point: ParcelaB 11074Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.023	Δ East	0.017	ΔElev	-593.516		

Point	Auto0007	X	4398039.450	Y	1700804.672	Z	4281264.096	Code	ParcelaB 11078
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	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	12	Positions used	1		
Stake out point (Auto0007)		Design point: ParcelaB 11078Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.001	Δ East	0.015	ΔElev	-593.572		

Point	Auto0008	X	4398045.684	Y	1700799.714	Z	4281259.741	Code	ParcelaB 11082
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.011	Vt Prec	0.016		
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	5	Satellites	12	Positions used	1		
Stake out point (Auto0008)		Design point: ParcelaB 11082Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.007	Δ East	-0.022	ΔElev	-593.604		

Initialization event: RTK not initialized

GPS week	2379	Seconds	229101	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	229102	Initialization type	On the fly	Survey type	Real-time		
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Point	Auto0009	X	4398056.205	Y	1700794.922	Z	4281251.006	Code	ParcelaB 10988
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.009	Vt Prec	0.014		
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	3	Satellites	12	Positions used	1		
Stake out point (Auto0009)		Design point: ParcelaB 10988Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.013	Δ East	0.013	ΔElev	-593.679		

Point	Auto0010	X	4398028.478	Y	1700757.127	Z	4281293.814	Code	ParcelaB 11102
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.016	Vt Prec	0.025		
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4

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Stakeout	Deltas: Grid	Δ North	0.026	Δ East	-0.009	ΔElev	-593.464				
Point	Auto0018	X	4398073.902	Y	1700804.395	Z	4281229.104	Code	ParcelaB 11000		
Antenna height QC 1	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.027				
		PDOP	1.7	GDOP	2.3	HDOP	0.9			VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1				
Stake out point (Auto0018) Method		Design point: ParcelaB 11000Code: To the point									
Stakeout	Deltas: Grid	Δ North	-0.004	Δ East	0.009	ΔElev	-593.607				
Point	Auto0019	X	4398067.633	Y	1700799.062	Z	4281237.643	Code	ParcelaB 10996		
Antenna height QC 1	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.027				
		PDOP	1.7	GDOP	2.3	HDOP	0.9			VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1				
Stake out point (Auto0019) Method		Design point: ParcelaB 10996Code: To the point									
Stakeout	Deltas: Grid	Δ North	-0.005	Δ East	0.006	ΔElev	-593.633				
Point	Auto0020	X	4398061.067	Y	1700793.929	Z	4281246.304	Code	ParcelaB 10992		
Antenna height QC 1	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.027				
		PDOP	1.7	GDOP	2.3	HDOP	0.9			VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1				
Stake out point (Auto0020) Method		Design point: ParcelaB 10992Code: To the point									
Stakeout	Deltas: Grid	Δ North	0.003	Δ East	-0.054	ΔElev	-593.590				
Point	Auto0021	X	4398023.400	Y	1700828.888	Z	4281271.052	Code	ParcelaB 11070		
Antenna height QC 1	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.029				
		PDOP	1.7	GDOP	2.3	HDOP	0.9			VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1				
Stake out point (Auto0021) Method		Design point: ParcelaB 11070Code: To the point									
Stakeout	Deltas: Grid	Δ North	0.006	Δ East	-0.032	ΔElev	-593.662				
Point	Auto0022	X	4398011.271	Y	1700843.337	Z	4281277.554	Code	ParcelaB 11066		
Antenna height QC 1	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.029				
		PDOP	1.7	GDOP	2.3	HDOP	0.9			VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1				
Stake out point (Auto0022) Method		Design point: ParcelaB 11066Code: To the point									
Stakeout	Deltas: Grid	Δ North	-0.019	Δ East	-0.024	ΔElev	-593.546				
Point	Auto0023	X	4398000.925	Y	1700853.992	Z	4281283.934	Code	ParcelaB 11062		
Antenna height QC 1	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.030				
		PDOP	1.7	GDOP	2.3	HDOP	0.9			VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1				
Stake out point (Auto0023) Method		Design point: ParcelaB 11062Code: To the point									
Stakeout	Deltas: Grid	Δ North	0.016	Δ East	0.002	ΔElev	-593.565				
Point	Auto0024	X	4397996.080	Y	1700818.610	Z	4281302.751	Code	ParcelaB 11058		
Antenna height QC 1	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.030				
		PDOP	1.7	GDOP	2.3	HDOP	0.9			VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1				
Stake out point (Auto0024) Method		Design point: ParcelaB 11058Code: To the point									
Stakeout	Deltas: Grid	Δ North	-0.021	Δ East	0.012	ΔElev	-593.505				
Point	Auto0025	X	4397990.366	Y	1700788.261	Z	4281320.720	Code	ParcelaB 11054		
Antenna height QC 1		Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type									
		PDOP									
		Base data age									

Antenna height	1.700	Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.029		
QC 1		PDOP	1.7	GDOP	2.3	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (Auto0025)		Design point: ParcelaB 11054Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.047	Δ East	0.008	ΔElev	-593.614		
Point	Auto0026	X	4397988.530	Y	1700774.517	Z	4281323.940	Code	ParcelaB 11029
Antenna height	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.015	Vt Prec	0.026		
		PDOP	1.7	GDOP	2.3	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (Auto0026)		Design point: ParcelaB 11029Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.010	Δ East	-0.010	ΔElev	-593.526		
Point	Auto0027	X	4398003.239	Y	1700774.633	Z	4281312.302	Code	ParcelaB 11106
Antenna height	1.700	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.015	Vt Prec	0.026		
		PDOP	1.7	GDOP	2.3	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (Auto0027)		Design point: ParcelaB 11106Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.011	Δ East	-0.024	ΔElev	-593.169		

Reduced points

Point	Auto0000	North	4698763.023	East	7511703.505	Elevation	593.619	Code	rregulli 10954
Point	Auto0001	North	4698786.144	East	7511687.793	Elevation	593.545	Code	rregulli 10953
Point	Auto0002	North	4698813.782	East	7511668.980	Elevation	593.253	Code	rregulli 10929
Point	Auto0003	North	4698840.157	East	7511696.211	Elevation	593.253	Code	Ndarjet 10903
Point	Auto0004	North	4698814.106	East	7511720.909	Elevation	593.590	Code	Ndarjet 10927
Point	Auto0005	North	4698790.430	East	7511743.364	Elevation	593.596	Code	Ndarjet 10928
Point	Auto0006	North	4698785.073	East	7511728.238	Elevation	593.516	Code	ParcelaB 11074
Point	Auto0007	North	4698782.554	East	7511719.320	Elevation	593.572	Code	ParcelaB 11078
Point	Auto0008	North	4698776.613	East	7511712.458	Elevation	593.604	Code	ParcelaB 11082
Point	Auto0009	North	4698764.699	East	7511704.216	Elevation	593.679	Code	ParcelaB 10988
Point	Auto0010	North	4698822.888	East	7511678.873	Elevation	593.410	Code	ParcelaB 11102
Point	Auto0011	North	4698812.465	East	7511667.535	Elevation	593.045	Code	ParcelaB 10955
Point	Auto0012	North	4698805.381	East	7511662.357	Elevation	593.445	Code	ParcelaB 11024
Point	Auto0013	North	4698790.291	East	7511651.663	Elevation	593.548	Code	ParcelaB 11020
Point	Auto0014	North	4698780.646	East	7511645.931	Elevation	593.599	Code	ParcelaB 11016
Point	Auto0015	North	4698750.105	East	7511670.206	Elevation	593.692	Code	ParcelaB 11012
Point	Auto0016	North	4698735.322	East	7511694.215	Elevation	593.781	Code	ParcelaB 11008
Point	Auto0017	North	4698727.223	East	7511708.042	Elevation	593.464	Code	ParcelaB 11004
Point	Auto0018	North	4698735.102	East	7511706.717	Elevation	593.607	Code	ParcelaB 11000
Point	Auto0019	North	4698746.640	East	7511703.985	Elevation	593.633	Code	ParcelaB 10996
Point	Auto0020	North	4698758.407	East	7511701.547	Elevation	593.590	Code	ParcelaB 10992
Point	Auto0021	North	4698791.941	East	7511747.674	Elevation	593.662	Code	ParcelaB 11070
Point	Auto0022	North	4698800.885	East	7511765.507	Elevation	593.546	Code	ParcelaB 11066
Point	Auto0023	North	4698809.532	East	7511779.159	Elevation	593.565	Code	ParcelaB 11062
Point	Auto0024	North	4698835.022	East	7511747.869	Elevation	593.505	Code	ParcelaB 11058
Point	Auto0025	North	4698859.218	East	7511721.588	Elevation	593.614	Code	ParcelaB 11054
Point	Auto0026	North	4698863.656	East	7511718.752	Elevation	593.526	Code	ParcelaB 11029
Point	Auto0027	North	4698848.194	East	7511704.256	Elevation	593.169	Code	ParcelaB 11106