

Survey Report

Job name	401-0-sojeve
Creation date	15 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°22'44.25120", 21°13'40.28520", 609.940m

Initialization event: RTK initialized

GPS week	2379	Seconds	470865	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	470871	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	470874	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	470881	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	470883	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	4398977.079	Y	1708696.683	Z	4277196.343	Code	ParcelaB 11816
Antenna height	1.800	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.020	Vt Prec	0.026		
		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (Auto0000)		Design point: ParcelaB 11816Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.006	Δ East	-0.033	ΔElev	-601.912		

Point	Auto0001	X	4398977.612	Y	1708691.459	Z	4277198.385	Code	ParcelaB 11819
Antenna height	1.800	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	Hz Prec	0.019	Vt Prec	0.026		
		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	11	Positions used	1		
Stake out line (Auto0001)		Line name: ParcelaB 11819 Code:							
Method		To the line							
Station		5.595							
Elevation		0.000							
Stakeout	Deltas: Grid	Δ North	0.000	Δ East	0.000	ΔElev	-602.258		
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	0.000	ΔElev	-602.258	Grade to line	-99999999.00%

Point	1023	X	4398975.380	Y	1708693.491	Z	4277199.301	Code	muri
Antenna height	1.800	Method	Network RTK	Type	Topo point	Search class	Normal		
QC 1		Type	Uncorrected	Hz Prec	0.025	Vt Prec	0.033		
		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000774	VCV xy (m²)	0.000233	VCV xz (m²)	0.000348		
				VCV yy (m²)	0.000326	VCV yz (m²)	0.000027		
						VCV zz (m²)	0.000597		
Point	1024	X	4398975.372	Y	1708693.474	Z	4277199.314	Code	muri
Antenna height	1.800	Method	Network RTK	Type	Topo point	Search class	Normal		
QC 1		Type	Uncorrected	Hz Prec	0.019	Vt Prec	0.026		
		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4

QC 2		Base data age	1	Satellites	12	Positions used	5		
		VCV xx (m²)	0.000447	VCV xy (m²)	0.000083	VCV xz (m²)	0.000245		
				VCV yy (m²)	0.000164	VCV yz (m²)	0.000021		
						VCV zz (m²)	0.000417		

Initialization event: RTK not initialized

GPS week	2379	Seconds	471303	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471309	Initialization type	On the fly	Survey type	Real-time		
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Point	Auto0002	X	4398951.588	Y	1708697.170	Z	4277220.240	Code	muri
Antenna height	1.800	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	Hz Prec	0.052	Vt Prec	0.066		
		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	11	Positions used	1		

Initialization event: RTK not initialized

GPS week	2379	Seconds	471351	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471351	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471354	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471427	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471428	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471429	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471431	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471436	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471442	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471451	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471466	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471470	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

Initialization event: RTK not initialized

GPS week	2379	Seconds	471471	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471496	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471497	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471501	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471502	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471641	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471645	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471656	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471675	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471758	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471760	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471769	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471775	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471777	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471794	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471801	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471806	Initialization type	On the fly	Survey type	Real-time		
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				type					
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Initialization event: RTK initialized

GPS week	2379	Seconds	471822	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471826	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471828	Initialization type	On the fly	Survey type	Real-time		
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Point	Auto0003	X	4398933.129	Y	1708700.909	Z	4277239.792	Code	garazha
Antenna height	2.000	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.038	V _t Prec	0.075		
		PDOP	12.9	GDOP	22.3	HDOP	5.4	VDOP	11.7
		Base data age	3	Satellites	8	Positions used	1		

Initialization event: RTK not initialized

GPS week	2379	Seconds	471890	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471894	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	471902	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	471914	Initialization type	On the fly	Survey type	Real-time		
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Point	Auto0004	X	4398930.082	Y	1708702.505	Z	4277245.231	Code	garazha
Antenna height	2.000	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.065	V _t Prec	0.046		
		PDOP	3.1	GDOP	4.5	HDOP	1.7	VDOP	2.6
		Base data age	1	Satellites	7	Positions used	1		

Point	Auto0005	X	4398928.384	Y	1708713.654	Z	4277240.396	Code	garazha
Antenna height	2.000	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.058	V _t Prec	0.071		
		PDOP	2.3	GDOP	3.8	HDOP	1.1	VDOP	2.0
		Base data age	1	Satellites	16	Positions used	1		

Point	Auto0006	X	4398928.408	Y	1708713.678	Z	4277240.407	Code	garazha
Antenna height	2.000	Method	Network RTK	Type	Rapid point	Search class	Normal		
QC 1		Type	Uncorrected	H _z Prec	0.058	V _t Prec	0.071		
		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	11	Positions used	1		

Initialization event: RTK not initialized

GPS week	2379	Seconds	472094	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472144	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472156	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

				Initialization					
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Initialization event: RTK not initialized

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Initialization event: RTK initialized

Initialization event: RTK not initialized

Initialization event: RTK initialized

Point	Auto0007	X	4398934.626	Y	1708671.299	Z	4277247.714	Code	ParcelaB 11836
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.000	Type	Uncorrected	H_z Prec	0.031	Vt Prec	0.061		
QC 1		PDOP	2.0	GDOP	2.7	HDOP	1.1	VDOP	1.7
		Base data age	1	Satellites	8	Positions used	1		

Point	Auto0008	X	4398936.884	Y	1708652.438	Z	4277253.815	Code	ParcelaB 11832
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.000	Type	Uncorrected	H_z Prec	0.015	V_t Prec	0.021		
QC 1		PDOP	1.6	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1		

Point	Auto0009	X	4398938.533	Y	1708639.380	Z	4277258.317	Code	ParcelaB 11729
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.600	Type	Uncorrected	Hz Prec	0.016	Vt Prec	0.024		
QC 1		PDOP	1.6	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1		

Stake out point (Auto0009)	Design point: ParcelaB 11729Code:
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Method		To the point									
Stakeout	Deltas: Grid	Δ North	-0.009	Δ East	-0.015	ΔElev	-602.016				
Point	Auto0010	X	4398949.538	Y	1708642.708	Z	4277246.094	Code	ParcelaB 11753		
Antenna height QC 1	1.600	Method	Network RTK	Type	Rapid point	Search class	As-staked				
		Type	Uncorrected	Hz Prec	0.018	Vt Prec	0.027				
		PDOP	1.5	GDOP	2.0	HDOP	0.8			VDOP	1.3
		Base data age	1	Satellites	13	Positions used	1				
Stake out line (Auto0010)		Line name: ParcelaB 11753 Code:									
Method		To the line									
Station		18.339									
Elevation		0.000									
Stakeout	Deltas: Grid	Δ North	-0.002	Δ East	0.049	ΔElev	-602.246				
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	0.049	ΔElev	-602.246	Grade to line	-1231222.41%		

Initialization event: RTK not initialized

GPS week	2379	Seconds	472811	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472816	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472817	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472818	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472821	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472822	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472823	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472826	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472832	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472838	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472840	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472841	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472843	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472849	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472850	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472851	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472852	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472857	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472858	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472868	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472870	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472877	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472880	Initialization type	On the fly	Survey type	Real-time		
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Point	Auto0011	X	4398963.426	Y	1708647.138	Z	4277234.656	Code	ParcelaB 11754
Antenna height	1.600	Method	Code	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.595	V _t Prec	0.755		
		PDOP	1.6	GDOP	1.8	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	0		
Warnings (Auto0011)			Poor precision						
Conditions at storage (Auto0011)			Poor precision						
Stake out point (Auto0011)		Design point: ParcelaB 11754Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.067	Δ East	0.052	ΔElev	-605.284		

Initialization event: RTK initialized

GPS week	2379	Seconds	472921	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472922	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	472952	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	472954	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473030	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473046	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473056	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473060	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473061	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473081	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473088	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473102	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473105	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473106	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized									
GPS week	2379	Seconds	473210	Initialization type	On the fly	Survey type	Real-time		

GPS week	2379	Seconds	473211	Initialization type	On the fly	Survey type	Real-time		
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GPS week	2379	Seconds	473219	Initialization type	On the fly	Survey type	Real-time		
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[illegible]

GPS week	2379	Seconds	473220	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	473227	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	473228	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	473245	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	473246	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	473247	Initialization type	On the fly	Survey type	Real-time		
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Point	Auto0013	X	4398978.947	Y	1708674.141	Z	4277204.817	Code	ParcelaB 11819
Antenna height	2.500	Method	Network RTK	Type	Rapid point	Search class	As-staked		
QC 1		Type	Uncorrected	H _z Prec	0.043	V _t Prec	0.083		
		PDOP	1.9	GDOP	2.7	HDOP	1.2	VDOP	1.5
		Base data age	1	Satellites	8	Positions used	1		
Stake out line (Auto0013)		Line name: ParcelaB 11819 Code:							
Method		To the line							
Station		1.998							
Elevation		0.000							
Stakeout	Deltas: Grid	Δ North	-0.023	Δ East	-0.011	Δ Elev	-602.181		
Stakeout	Deltas: Linear	Δ Station	?	Δ Offset	0.026	Δ Elev	-602.181	Grade to line	-2332676.59%

Initialization event: RTK not initialized

GPS week	2379	Seconds	473318	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	473321	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	473322	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	473323	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	473324	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK initialized

GPS week	2379	Seconds	473325	Initialization type	On the fly	Survey type	Real-time		
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Initialization event: RTK not initialized

GPS week	2379	Seconds	473326	Initialization type	On the fly	Survey type	Real-time		
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Reduced points

Point	Auto0000	North	4693282.409	East	7518749.788	Elevation	601.912	Code	ParcelaB 11816
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Point	Auto0001	North	4693284.843	East	7518744.720	Elevation	602.258	Code	ParcelaB 11819
Point	1023	North	4693286.433	East	7518747.418	Elevation	601.883	Code	muri
Point	1024	North	4693286.451	East	7518747.404	Elevation	601.881	Code	muri
Point	Auto0002	North	4693315.978	East	7518759.381	Elevation	600.598	Code	muri
Point	Auto0003	North	4693341.128	East	7518769.480	Elevation	601.866	Code	garazha
Point	Auto0004	North	4693346.677	East	7518772.055	Elevation	603.861	Code	garazha
Point	Auto0005	North	4693341.482	East	7518783.074	Elevation	602.414	Code	garazha
Point	Auto0006	North	4693341.469	East	7518783.088	Elevation	602.445	Code	garazha
Point	Auto0007	North	4693353.188	East	7518741.309	Elevation	600.316	Code	ParcelaB 11836
Point	Auto0008	North	4693360.829	East	7518722.894	Elevation	600.939	Code	ParcelaB 11832
Point	Auto0009	North	4693366.270	East	7518710.113	Elevation	602.016	Code	ParcelaB 11729
Point	Auto0010	North	4693349.515	East	7518709.275	Elevation	602.246	Code	ParcelaB 11753
Point	Auto0011	North	4693331.260	East	7518708.425	Elevation	605.284	Code	ParcelaB 11754
Point	Auto0012	North	4693296.010	East	7518728.432	Elevation	605.552	Code	ParcelaB 11820
Point	Auto0013	North	4693292.936	East	7518728.075	Elevation	602.181	Code	ParcelaB 11819