Survey Report

 Job name
 190-0-varosh

 Creation date
 3 Aug 2025

Version Trimble General Survey 3.21

Distance Units
Angle units
Pressure Units
Temperature Units

Meters
Gons
mbar
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

Туре

Type Grid

Datum transformation

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

None

Ellipsoid Semi-major axis: 6378137.000 Flattening: 298.25722154

Local site

Type Grid

Datum transformation

Type None

Feature library

Library name
LiBriany File Name
LiRiDON
LiRiDON.fxl
Attribute Support
No

Corrections

South azimuth (grid) No

Grid coords Increase North-East
Magnetic declination 0.0000

Magnetic declination 0.0000
Distances Grid
Neighborhood adjustment Off

Rover options

Elevation	13 PDOP mask	6			
mask	13 PDOP mask	٥			

Rover options

Elevation mask	13	PDOP mask	6			

Survey event													
urvey event		Rover started											
ote		VRS base: 42°2	/RS base: 42°20'41.95980", 21°10'51.35880", 594.806m										
tialization ever	nt: RTK initialized												
SPS week	2378	Seconds	30599	Initialization type	On the fly	Survey type	Real-time						
NSS receiver				,									
Receiver type		R10											
Serial number Firmware versi	ion	5452489155 4.9											
Antenna type	on	R10 Internal											
Measurement n	nethod	Bottom of quick	release										
Tape adjustme		0.000											
lorizontal offse /ertical offset	et	0.000 0.199											
Point	Auto0000	v	4402751.692	v	1706011.709	7	4274393.658	Codo	Ndarjet 13050				
Foint	Autouou	Method	Network RTK			Search class	4274393.656 As-staked	Code	Nuarjet 13050				
Antenna	2.000		Uncorrected	١ .		Vt Prec	0.019						
neight	2.000					HDOP		VDOR					
QC 1		PDOP		GDOP		Positions		VDOP	1.4				
		Base data age		Satellites	11	used	1						
Stake out point Method	t (Auto0000)	Design point: No To the point	larjet 13050Code:										
Stakeout	Deltas: Grid	· ·	-0.003	Δ East	0.024	ΔElev	-595.905						
Point	Auto0001	X	4402750.967	Υ	1706009.802	Z	4274395.052	Code	ParcelaB 12848				
		Method	Network RTK			Search class	As-staked						
Antenna	2.000	Туре	Uncorrected	Hz Prec	0.022	Vt Prec	0.024						
height QC 1		PDOP	1.7	GDOP	2.2	HDOP	1.0	VDOP	1.3				
		Base data age		Satellites	11	Positions used	1						
Stake out point	t (Auto0001)		rcelaB 12848Code:	<u> </u>				l.	l.				
Method Stakeout	Deltas: Grid	To the point	0.034	Δ East	0.003	ΔElev	-595.835	İ					
									J				
Point	Auto0002	X Method	4402727.990 Network RTK		1706030.638 Rapid point	Z Search class	4274413.049 As-staked	Code	Ndarjet 13049				
Antenna	2.000	Type	Uncorrected			Vt Prec	0.020						
height QC 1	2.000	PDOP		GDOP		HDOP		VDOP	1.3				
QC I		Base data age		Satellites	12	Positions	0.9	VDOP	1.3				
Stake out line ((Auto0002)	_	rjet 13049 Code:	Outcinics	12	used							
Method		To the line	,										
Station		38.915											
Elevation Stakeout	Deltas: Grid	0.000	0.001	Δ East	0.001	ΔElev	-597.686	1	İ				
Stakeout	Deltas: Linear			Δ East ΔOffset		ΔElev		Grade to line	-31440020.28%				
Point	Auto0003	v	4402703.168	v	1706051.445	7	4274434.864	Codo	Nideriet 12026				
Jiiit	Autouus	Method	Network RTK			Search class	4274434.864 As-staked	Joue	Ndarjet 13025				
Antenna	1.700		Uncorrected			Vt Prec	0.026						
neight	1.700					HDOP		VDOP					
QC 1		PDOP Base data age		GDOP Satellites		Positions	0.9	VDOP	1.3				
	I .	_		Catenites	12	used	I						
Stake out noint	(Auto0003)	Design point: Ndarjet 13025Code: To the point											
Stake out point Method		To the point	-						î				
-	t (Auto0003) Deltas: Grid	To the point	-	Δ East	-0.005	ΔElev	-601.131						
lethod		To the point Δ North	0.004	Y	1706048.832	z	4274435.626		ParcelaB 1284				
lethod stakeout oint	Deltas: Grid Auto0004	To the point Δ North X Method	0.004 4402703.330 Network RTK	Y Type	1706048.832 Rapid point	Z Search class	4274435.626 As-staked	Code	ParcelaB 1284				
lethod takeout oint ntenna	Deltas: Grid	To the point Δ North X Method	0.004	Y Type	1706048.832 Rapid point	z	4274435.626	Code	ParcelaB 1284				
lethod Stakeout Point Antenna eight	Deltas: Grid Auto0004	To the point Δ North X Method	0.004 4402703.330 Network RTK Uncorrected	Y Type	1706048.832 Rapid point 0.018	Z Search class Vt Prec HDOP	4274435.626 As-staked 0.028	Code					
lethod takeout oint untenna eight	Deltas: Grid Auto0004	To the point Δ North X Method Type	0.004 4402703.330 Network RTK Uncorrected 1.6	Y Type Hz Prec	1706048.832 Rapid point 0.018	Z Search class Vt Prec	4274435.626 As-staked 0.028	Code					
Point Antenna eight QC 1	Deltas: Grid Auto0004 1.700	To the point A North X Method Type PDOP Base data age Design point: Pa	0.004 4402703.330 Network RTK Uncorrected 1.6	Y Type Hz Prec GDOP	1706048.832 Rapid point 0.018 2.1	Z Search class Vt Prec HDOP Positions	4274435.626 As-staked 0.028 0.9	Code					
Tethod Stakeout Point Antenna eight BC 1 Stake out point	Auto0004 1.700 t (Auto0004)	To the point Δ North X Method Type PDOP Base data age Design point: Pa To the point	0.004 4402703.330 Network RTK Uncorrected 1.6 3 strcelaB 12844Code:	Y Type Hz Prec GDOP Satellites	1706048.832 Rapid point 0.018 2.1	Z Search class Vt Prec HDOP Positions used	4274435.626 As-staked 0.028 0.9	Code	ParcelaB 12844				
Point Internate in the control of th	Auto0004 1.700 t (Auto0004) Deltas: Grid	To the point Δ North X Method Type PDOP Base data age Design point: Pa To the point Δ North	0.004 4402703.330 Network RTK Uncorrected 1.6 3 srcelaB 12844Code: -0.001	Y Type Hz Prec GDOP Satellites Δ East	1706048.832 Rapid point 0.018 2.1 12	Z Search class Vt Prec HDOP Positions used	4274435.626 As-staked 0.028 0.9 1	Code	1.				
Tethod Stakeout Point Antenna eight BC 1 Stake out point	Auto0004 1.700 t (Auto0004)	To the point Δ North X Method Type PDOP Base data age Design point: Pa To the point Δ North	0.004 4402703.330 Network RTK Uncorrected 1.6 3 strcelaB 12844Code:	Y Type Hz Prec GDOP Satellites Δ East	1706048.832 Rapid point 0.018 2.1 12 0.001	Z Search class Vt Prec HDOP Positions used	4274435.626 As-staked 0.028 0.9	Code					

Antenna	4.700	I_	l	l		l.,, _			1 1
height	1.700	Туре	Uncorrected			Vt Prec	0.027		
QC 1		PDOP		GDOP		HDOP Positions	0.9	VDOP	1.3
		Base data age	1	Satellites	12	used	1		
Stake out point	(Auto0005)	• .	arcelaB 13016Code:						
Method Stakeout	Deltas: Grid	To the point	-0.008	Δ East	0.002	ΔElev	-601.693		
Stakeout	Deltas, Grid	ΔΝΟΙΙΙ	-0.006	Δ EdSt	0.002	ΣΕΙΘΑ	-601.693		
Point	Auto0006	X Method	4402688.704 Network RTK		1706064.725 Rapid point	Z Search class	4274447.145 As-staked	Code	ParcelaB 12948
Antenna height	1.700	Туре	Uncorrected	Hz Prec	0.018	Vt Prec	0.028		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		
Stake out point	(Auto0006)	Design point: Pa	<u> </u> arcelaB 12948Code:			useu			
Method	. (. 1	To the point							
Stakeout	Deltas: Grid	Δ North	-0.010	Δ East	-0.016	ΔElev	-602.982		
Point	Auto0007	v	4402687.391	v	1706071.742	7	4274446.123	Codo	ParcelaB 12952
Polit	Autouot	Method	Network RTK			Search class	As-staked	Code	Parcelab 12932
Antenna	1 700	Туре	Uncorrected	**	, ,	Vt Prec	0.028		
height QC 1	1.700	PDOP		GDOP		HDOP		VDOP	1.3
QC I						Positions	0.9	VDOP	1.5
		Base data age	1	Satellites	12	used	1		
Stake out point	(Auto0007)	• .	arcelaB 12952Code:						
Method Stakeout	Deltas: Grid	To the point	0.027	Δ East	0.046	ΔElev	-603.262		
Stakeout	Deltas. Grid	Δ NOILII	-0.021	Δ Last	0.040	ΔLIEV	-003.202		
Point	Auto0008		4402685.011		1706074.728		4274447.831	Code	muri
Antenna		Method	Network RTK	Туре	Rapid point	Search class	Normal		
height	1.700	Туре	Uncorrected	Hz Prec	0.023	Vt Prec	0.037		
QC 1		PDOP	1.6	GDOP		HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		
Point	Auto0009	Х	4402687.079	Υ	1706092.484		4274439.442	Code	muri
		Method	Network RTK	Туре	Rapid point	Search class	Normal		
Antenna height	2.400	Туре	Uncorrected	Hz Prec	0.018	Vt Prec	0.029		
QC 1		PDOP	1.6	GDOP	2.2	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	11	Positions	1		
Point	Auto0010		4402687.431	Y	1706102.188	used 7	4274434.124	Code	muri
	7100010	Method	Network RTK			Search class	Normal	0000	l man
Antenna	1.700	Туре	Uncorrected	Hz Prec	0.019	Vt Prec	0.033		
height QC 1		PDOP	2.4	GDOP	3.4	HDOP	1.3	VDOP	2.1
		Base data age		Satellites	10	Positions	1		
		Dase uata aye		Satemites	10	used			
Line									
Line		Name: Line0002	2 Code:						
Definition		Two points							
Start point		Auto0010							
End point Station details		Auto0008	000 Station interval:	0					
Point	v4	North	4689526.700	1	7515009.335	Elevation	0.300	Code	muri
Point	Auto0011		4402688.743	.	1706114.162		4274428.454		v4
		Method	Network RTK			Search class	As-staked		
Antenna height	1.700	Туре	Uncorrected	Hz Prec	0.040	Vt Prec	0.064		
QC 1		PDOP	2.2	GDOP	3.0	HDOP	1.3	VDOP	1.7
		Base data age	4	Satellites	10	Positions	1		
Stake out point	(Auto0011)	Design point: v4		Cutomico		used			
Method	(Autouri)	To the point	Code. mun						
Stakeout	Deltas: Grid	-	0.017	Δ East	-0.018	ΔElev	-603.321		
Point	Auto0012	X Method	4402702.365		1706064.126		4274431.220	Code	ParcelaB 12857
Antenna			Network RTK			Search class	As-staked		
height	1.700	Туре	Uncorrected			Vt Prec	0.028		
QC 1		PDOP	2.1	GDOP	2.9	HDOP Positions	1.2	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	1		
Stake out point	(Auto0012)	• .	arcelaB 12857Code:			_		_	
Method		To the point	1	I ·	,				
Stakeout	Deltas: Grid	Δ North	-0.041	Δ East	-0.009	ΔElev	-601.509		

Point	Auto0013	х	4402721.790	Υ	1706049.334	Z	4274413.828	Code	ParcelaB 12856
		Method	Network RTK	Туре	Rapid point	Search class	As-staked		
Antenna height	1.700	Туре	Uncorrected	Hz Prec	0.021	Vt Prec	0.034		
QC 1		PDOP	2.1	GDOP	2.9	HDOP	1.2	VDOP	1.7
		Base data age		Satellites	11	Positions	1		
04-14	(At0042)					used	'	ļ	
Stake out poin Method	(Autouris)	To the point	arcelaB 12856Code:						
Stakeout	Deltas: Grid	· ·	0.000	Δ East	-0.029	ΔElev	-599.231		
	1	1	1400750 454	1.	1700001.077	_	107,100,1,105		D . D D
Point	Auto0014	X Method	4402756.154 Network RTK		1706024.077	Z Search class	4274384.195 As-staked		ParcelaB 12852
Antenna	4 700			**					
height	1.700	Туре	Uncorrected			Vt Prec	0.029		
QC 1		PDOP	2.1	GDOP		HDOP Positions	1.2	VDOP	1.7
		Base data age	1	Satellites	11	used	1		
Stake out poin	t (Auto0014)		arcelaB 12852Code:						
Method	1	To the point	1	1	1			1	
Stakeout	Deltas: Grid	Δ North	0.012	Δ East	-0.004	ΔElev	-596.208		
Point	Auto0015	х	4402759.545	Υ	1705950.244	Z	4274406.807	Code	ParcelaB 14263
		Method	Network RTK	Туре	Rapid point	Search class	As-staked		
Antenna	1.700	Туре	Uncorrected	Hz Prec	0.020	Vt Prec	0.032		
height QC 1		PDOP	1.8	GDOP	26	HDOP	1.0	VDOP	1.6
QC 1						Positions		VDOI	1.0
		Base data age	1	Satellites	10	used	1		
Stake out poin Method	t (Auto0015)		arcelaB 14263Code:						
Stakeout	Deltas: Grid	To the point Δ North	0.028	Δ East	0.042	ΔElev	-594.059		
	2011401 0114		0.020		0.0.12		30 1.000		
Point	Auto0016		4402760.821		1705954.117		4274403.873		ParcelaB 14288
		Method	Network RTK	Туре	Rapid point	Search class	As-staked		
Antenna height	1.700	Туре	Uncorrected	Hz Prec	0.020	Vt Prec	0.030		
QC 1		PDOP	1.8	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	10	Positions used	1		
Stake out poin	│ t (Auto0016)	Design point: Pa	l arcelaB 14288Code:		<u> </u>	uscu	<u> </u>		
Method	,	To the point							
Stakeout	Deltas: Grid	Δ North	-0.005	Δ East	0.003	ΔElev	-593.997		
Point	Auto0017	v	4402785.185	v	1705922.513	7	4274388.913	Codo	ParcelaB 14262
Foint	Autocoli	Method	Network RTK			Search class	As-staked		Faicelab 14202
Antenna	1 700	Туре	Uncorrected		0.019	Vt Prec	0.028		
height	1.700								4.0
QC 1		PDOP		GDOP		HDOP Positions	1.0	VDOP	1.6
		Base data age	1	Satellites	10	used	1		
Stake out poin	t (Auto0017)	"	arcelaB 14262Code:						
Method	Dalkara Orid	To the point	0.004	A F4	0.044	ΔElev	500.070	1	i
Stakeout	Deltas: Grid	Δ North	0.024	Δ East	0.014	ΔEIev	-592.272		
Initialization eve	nt: RTK not initialize	d							
I I I I I I I I I I I I I I I I I I I	THE TYTE HOLIMINATION	u		T			1	1	
GPS week	2378	Seconds	33082	Initialization type	On the fly	Survey type	Real-time		
				1-3/1-2					
Initialization eve	nt: RTK initialized								
				Initialization					
GPS week	2378	Seconds	33098	type	On the fly	Survey type	Real-time		
D.:t	At-0040	v	4400750 700	v	4705004 600	-	4074447 700	0-4-	DI-D 44040
Point	Auto0018	Method	4402753.730 Network RTK		1705934.696 Rapid point	Z Search class	4274417.786 As-staked		ParcelaB 14246
Antenna	4 700								
height	1.700	Туре	Uncorrected			Vt Prec	0.023		
QC 1		PDOP	1.9	GDOP		HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	10	Positions used	1		
Stake out poin	t (Auto0018)	Design point: Pa	arcelaB 14246Code:		·				
Method		To the point		·					
Stakeout	Deltas: Grid	Δ North	-0.005	Δ East	0.006	ΔElev	-593.296		
Initialization eve	nt: RTK not initialize	d							
GPS week	2378	Seconds	33434	Initialization	On the fly	Survey type	Real-time		
			00-10-1	type			Total tille		

Initialization event: RTK initialized

GPS week									
O	2378	Seconds	33437	Initialization type	On the fly	Survey type	Real-time		
Initialization even	t: RTK not initialized	d							
GPS week	2378	Seconds	33441	Initialization type	On the fly	Survey type	Real-time		
Initialization event	t: RTK initialized								
GPS week	2378	Seconds	33442	Initialization type	On the fly	Survey type	Real-time		
Initialization even	t: RTK not initialized	d							
GPS week	2378	Seconds	33486	Initialization type	On the fly	Survey type	Real-time		
Initialization even	t: RTK initialized								
GPS week	2378	Seconds	33509	Initialization type	On the fly	Survey type	Real-time		
Point	Auto0019	Y	4402797.842	v	1705914.460	7	4274378.490	Code	ParcKojs 13955
Foint	Aut00019	Method	Network RTK	1		Search class	As-staked	Code	Faicrojs 13933
Antenna	1 700	Туре	Uncorrected			Vt Prec	0.016		
height QC 1	1.700	PDOP		GDOP		HDOP		VDOP	1.3
QC 1						Positions		VDOP	1.3
		Base data age	1	Satellites	11	used	1		
Stake out point	(Auto0019)		rcKojs 13955Code:						
Method	D # 0:1	To the point	0.004		0.005	1.5	504.004	ſ	
Stakeout	Deltas: Grid	ΔΝΟττη	-0.001	Δ East	-0.005	ΔElev	-591.824		
Point	Auto0020	x	4402804.896	Υ	1705929.922	Z	4274364.792	Code	ParcKojs 13798
		Method	Network RTK	Туре	Rapid point	Search class	As-staked		
Antenna height	1.700	Туре	Uncorrected	Hz Prec	0.013	Vt Prec	0.017		
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		
Stake out point	(Auto0020)	Design point: Par	rcKojs 13798Code:			useu			
Method	(* 141000_0)	To the point							
Stakeout	Deltas: Grid	Δ North	0.008	Δ East	0.013	ΔElev	-591.587		
Deint	At-0004	v	4400700.040	v	4705000 040	T-	4074004 504	0-4-	DK-:- 40770
Point	Auto0021	Method	4402766.816 Network RTK		1705969.813 Rapid point	Search class	4274391.584 As-staked		ParcKojs 13772
Antenna	4.700								
height	1.700	Туре	Uncorrected			Vt Prec	0.017		
QC 1		PDOP	1.5	GDOP		HDOP	0.8	VDOP	1.2
		Base data age	1	Satellites	13	Positions used	1		
1	(Auto0021)	Design point: Par	rcKojs 13772Code:						-
Stake out point		To the point				,		1	
Stake out point Method					0.040	A Elast	E04 040		
_	Deltas: Grid	Δ North	0.007	Δ East	0.018	ΔElev	-594.042		
Method	Deltas: Grid	Δ North	0.007	Δ East	0.018	ΔEiev	-594.042		

Reduced points

Ndarjet 13050	Code	595.905	Elevation	7514891.186	East	4689486.120	North	Auto0000	Point
ParcelaB 12848	Code	595.835	Elevation	7514889.666	East	4689488.066	North	Auto0001	Point
Ndarjet 13049	Code	597.686	Elevation	7514917.343	East	4689510.783	North	Auto0002	Point
Ndarjet 13025	Code	601.131	Elevation	7514945.650	East	4689537.488	North	Auto0003	Point
ParcelaB 12844	Code	601.058	Elevation	7514943.154	East	4689538.579	North	Auto0004	Point
ParcelaB 13016	Code	601.693	Elevation	7514951.802	East	4689542.670	North	Auto0005	Point
ParcelaB 12948	Code	602.981	Elevation	7514963.224	East	4689552.452	North	Auto0006	Point
ParcelaB 12952	Code	603.262	Elevation	7514970.244	East	4689550.828	North	Auto0007	Point
muri	Code	603.570	Elevation	7514973.883	East	4689552.867	North	Auto0008	Point
muri	Code	603.386	Elevation	7514989.714	East	4689541.082	North	Auto0009	Point
muri	Code	603.338	Elevation	7514998.648	East	4689534.589	North	Auto0010	Point
muri	Code	0.300	Elevation	7515009.335	East	4689526.700	North	v4	Point
v4	Code	603.621	Elevation	7515009.354	East	4689526.683	North	Auto0011	Point

Point	Auto0012	North	4689532.240	East	7514957.774	Elevation	601.509	Code	ParcelaB 12857
Point	Auto0013	North	4689510.744	East	7514937.012	Elevation	599.231	Code	ParcelaB 12856
Point	Auto0014	North	4689473.337	East	7514901.132	Elevation	596.208	Code	ParcelaB 12852
Point	Auto0015	North	4689505.733	East	7514831.006	Elevation	594.059	Code	ParcelaB 14263
Point	Auto0016	North	4689501.828	East	7514834.163	Elevation	593.997	Code	ParcelaB 14288
Point	Auto0017	North	4689483.083	East	7514795.938	Elevation	592.272	Code	ParcelaB 14262
Point	Auto0018	North	4689521.255	East	7514818.578	Elevation	593.296	Code	ParcelaB 14246
Point	Auto0019	North	4689469.366	East	7514783.887	Elevation	591.824	Code	ParcKojs 13955
Point	Auto0020	North	4689451.077	East	7514795.793	Elevation	591.587	Code	ParcKojs 13798
Point	Auto0021	North	4689485.189	East	7514846.666	Elevation	594.042	Code	ParcKojs 13772