Survey Report

 Job name
 3616-6-jez_avnia

 Creation date
 14 Aug 2025

Version Trimble General Survey 3.21

Distance Units
Angle units
Pressure Units
Temperature Units

Meters
Gons
mbar
Celsius
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

None

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′00.0000″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

Datum transformation

Type None

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

Magnetic declination 0.0000
Distances Grid
Neighborhood adjustment Off

Rover options

Elevation	13 PDOP mask	6			
mask	15 I DOI IIIask	١			

Rover options

Elevation mask	13	PDOP mask	6			

GPS week	2379	Seconds	375066	type	On the fly	Survey type	Real-time		
Initialization eve	nt: RTK initialized								
GPS week	2379	Seconds	375146	Initialization type	On the fly	Survey type	Real-time		
	ļ		ļ	type			ll		
	nt: RTK not initialized			Initialization					
GPS week	2379	Seconds	375149	type	On the fly	Survey type	Real-time		
Initialization eve	nt: RTK initialized								
GPS week	2379	Seconds	375211	Initialization type	On the fly	Survey type	Real-time		
Initialization eve	nt: RTK not initialized	i							
GPS week	2379	Seconds	375249	Initialization type	On the fly	Survey type	Real-time		
Initialization ava	nt. DTV initialized		J.	131				l	
GPS week	nt: RTK initialized	Seconds	375255	Initialization	On the flu	Summary from a	Dog! time		
GPS Week	2379	Seconds	3/5/55	type	On the fly	Survey type	Real-time		
Initialization eve	nt: RTK not initialized	i							
GPS week	2379	Seconds	375259	Initialization type	On the fly	Survey type	Real-time		
Initialization eve	nt: RTK initialized								
GPS week	2379	Seconds	375260	Initialization type	On the fly	Survey type	Real-time		
Initialization eve	nt: RTK not initialized	1		,					
GPS week	T T	Seconds	375264	Initialization	On the fly	Survey type	Real-time		
				type					
Initialization eve	nt: RTK initialized			1	1				
GPS week	2379	Seconds	375267	Initialization type	On the fly	Survey type	Real-time		
Initialization eve	nt: RTK not initialized	i							
GPS week	2379	Seconds	375289	Initialization type	On the fly	Survey type	Real-time		
Survey event	•		•					·	_
Survey event		End survey							
Rover options									
Elevation	13	PDOP mask	6						
mask									
Rover options	T		T	T	1		T	1	
Elevation mask	13	PDOP mask	6						
Survey event									
Survey event		Rover started							
Note		VRS base: 42°2	1'44.61300", 21°00'0	05.16720", 1047.	175m				
	nt: RTK initialized			Initialization					
GPS week	2379	Seconds	375366	type	On the fly	Survey type	Real-time		
GNSS receiver									
Receiver type Serial number		R10 5452489155							
Firmware vers	on	4.9 R10 Internal							
1 343									I

Measurement n		Bottom of quick r	elease						
Tape adjustme		0.000							
Horizontal offset Vertical offset	et	0.000							
vertical offset		0.199							
Point	Auto0000	х	4407153.767	Υ	1691874.775	Z	4276139.823	Code	
		Method	Network RTK	Туре	Observed control point	Search class	Normal		
Antenna									
height	2.500	Туре	Uncorrected	Hz Prec	0.032	Vt Prec	0.026		
QC 1		PDOP	2.0	GDOP		HDOP	1.2	VDOP	1.5
		Base data age	1	Satellites	9	Positions used	10		
QC 2		VCV xx (m²)	0.000421	VCV xy (m²)	0.000292	VCV xz (m²)	0.000034		
		, ,		VCV yy (m²)		VCV yz (m²)	-0.000110		
						VCV zz (m²)	0.000693		
Warnings (Aut	00000)	Poor pr	ecision						
Initialization aver	at. DTV not initializa								
initialization ever	nt: RTK not initialized	<u>. </u>							
GPS week	2379	Seconds	375502	Initialization	On the fly	Survey type	Real-time		
				type					
I (4) (1)	-t. DTK :-!#:-!!								
Initialization ever	nt: RTK initialized								
GPS week	2379	Seconds	375557	Initialization	On the fly	Survey type	Real-time		
G. G. 110011				type	J	Jan 10, 1, po			
Initialization ever	nt: RTK not initialized	d							
GPS week	2270	Seconds	375559	Initialization	On the fly	Survey type	Real-time		
OI 5 WEEK	2579	Seconds	373339	type	On the hy	Survey type	Treal-time		
Survey event									
Survey event		End survey							
		,							
Rover options									
				1	1				
Elevation mask	13	PDOP mask	6						
				I.	J.				
Rover options									
				1	T		1		
Elevation mask	13	PDOP mask	6						
maok				l	J.	l .	l		_ l
Survey event									
Survey event		Rover started							
Note		VRS hase: 42°21	'41.91960", 21°00'0	7 29180" 1059	613m				
		1 VII C Buod. 12 21	11.01000 , 21 000	77.20100 , 1000.					
Initialization ever	nt: RTK initialized								
GPS week	2270	Seconds	375703	Initialization	On the fly	Survey type	Real-time		
GF3 Week	2379	Seconds	373703	type	On the hy	Survey type	i Neai-tiirie		
Initialization ever	nt: RTK not initialized	d							
CDC !-	2072	Saacud-	07574	Initialization	0-11 5	Cum	Deet 0		
GPS week	2379	Seconds	375717	type	On the fly	Survey type	Real-time		
Initialization ever	nt: RTK initialized								
ana :				Initialization	2		5		
GPS week	2379	Seconds	375753	type	On the fly	Survey type	Real-time		
Initialization ever	nt: RTK not initialized	t							
				Initialization					
GPS week	2379	Seconds	375754	type	On the fly	Survey type	Real-time		
				,					`
Initialization ever	nt: RTK initialized								
				Initialia - 41			1		
GPS week	2379	Seconds	375755	Initialization type	On the fly	Survey type	Real-time		
	<u> </u>					<u> </u>		<u> </u>	
Initialization ever	nt: RTK not initialized	d							
				1	1		·		
GPS week	2379	Seconds	375761	Initialization type	On the fly	Survey type	Real-time		
1				-340	<u></u>				

Measurement method

Initialization ever	nt: RTK initialized									
GPS week	2379	Seconds		Initialization type	On the fly	Survey type	Real-time			
Initialization ever	nt: RTK not initialized	d								
GPS week	2379	Seconds		Initialization type	On the fly	Survey type	Real-time			
Initialization ever	at: DTK initialized									
GPS week		Seconds	375828	Initialization	On the fly	Survey type	Real-time			
Of 5 week	2013	Seconds	373020	type	On the hy	Survey type	Real-unie			
Initialization ever	nt: RTK not initialized	d			T	Y	,			
GPS week	2379	Seconds	375829	Initialization type	On the fly	Survey type	Real-time			
Initialization ever	nt: RTK initialized									
GPS week	2379	Seconds		Initialization type	On the fly	Survey type	Real-time			
Initialization event: RTK not initialized										
GPS week	2379	Seconds		Initialization type	On the fly	Survey type	Real-time			
Initialization ever	st. DTV initialia	J.		yr-		J.				
GPS week		Seconds	375860	Initialization	On the fly	Survey type	Real-time			
Of 5 week	2013	Seconds	373000	type	On the hy	Survey type	Real-unie			
Survey event										
Survey event		End survey								
Rover options										
Elevation mask	13	PDOP mask	6							
Rover options										
Elevation mask	13	PDOP mask	6							
Survey event										
Survey event		Rover started								
Note		VRS base: 42°2	1'42.39420", 21°00'0	06.07440", 1067.	214m					
Initialization ever	nt: RTK initialized									
GPS week	2379	Seconds		Initialization type	On the fly	Survey type	Real-time			
GNSS receiver										
Antenna type Measurement n Tape adjustmen	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									
Point	Auto0001		4407202.261		1691914.943		4276102.283	Code		
Antonno		Method	Network RTK	Туре	point	Jearch class	Normal			
Antenna height	2.500		Uncorrected			Vt Prec	0.018	VD05		
QC 1		PDOP Base data age		GDOP Satellites		HDOP Positions	1.5	VDOP	2.4	
QC 2		VCV xx (m²)	0.000217	VCV xy (m²) VCV yy (m²)	0.000093	used VCV xz (m²) VCV yz (m²) VCV zz (m²)	0.000095 0.000049 0.000146			

Warnings (Auto0001)

Poor precision

GPS week	2379	Seconds	376105	Initialization type	On the fly	Survey type	Real-time		
		<u> </u>		туре					Į.
nitialization event: RT	K initialized								
GPS week	2379	Seconds	376107	Initialization type	On the fly	Survey type	Real-time		
nitialization event: RT	K not initialized	ı							
GPS week	2379	Seconds	376110	Initialization type	On the fly	Survey type	Real-time		
nitialization event: RT	K initialized								
GPS week	2379	Seconds	376113	Initialization type	On the fly	Survey type	Real-time		
nitialization event: RT	K not initialized	i							
GPS week	2379	Seconds	376115	Initialization type	On the fly	Survey type	Real-time		
nitialization event: RT	K initialized								
GPS week	2379	Seconds	376116	Initialization type	On the fly	Survey type	Real-time		
nitialization event: RT	K not initialized	· · · · · · · · · · · · · · · · · · ·							
GPS week	2379	Seconds	376117	Initialization	On the fly	Survey type	Real-time		
	2010			type		carrey type			
nitialization event: RT	K initialized								
GPS week	2379	Seconds	376125	Initialization type	On the fly	Survey type	Real-time		
nitialization event: RT	K not initialized	i							
GPS week	2379	Seconds	376126	Initialization type	On the fly	Survey type	Real-time		
nitialization event: RT	K initialized								
	2379	Seconds	376133	Initialization type	On the fly	Survey type	Real-time		
GPS week	1023	Y	4407196.921		1691941.652	7	4276085.236	Code	
		l^	Network RTK			Search class	Normal	Couc	
Point	1023	Method	MELWOIK IN IN	туре	Topo point				
Point Antenna	2.500		Uncorrected			Vt Prec	0.033		
Point Antenna height	2.500		Uncorrected		0.023	HDOP	0.033	VDOP	
	2.500	Туре	Uncorrected 2.6	Hz Prec	0.023	HDOP Positions	0.033	VDOP	
Point Antenna neight QC 1	2.500	Type PDOP Base data age	Uncorrected 2.6 1	Hz Prec GDOP Satellites	0.023 3.7 9	HDOP Positions used	0.033 1.2	VDOP	
Point Antenna height QC 1	2.500	Type PDOP	Uncorrected 2.6 1 0.000666	Hz Prec GDOP	0.023 3.7 9 0.000289 0.000325	HDOP Positions used VCV xz (m²) VCV yz (m²)	0.033 1.2 5 0.000313 0.000202	VDOP	
Point Antenna height QC 1	2.500	Type PDOP Base data age VCV xx (m²)	Uncorrected 2.6 1 0.000666	Hz Prec GDOP Satellites VCV xy (m²)	0.023 3.7 9 0.000289 0.000325	HDOP Positions used VCV xz (m²)	0.033 1.2 5 0.000313	VDOP	
Point Antenna height	2.500	Type PDOP Base data age VCV xx (m²)	Uncorrected 2.6 1 0.000666	Hz Prec GDOP Satellites VCV xy (m²) VCV yy (m²)	0.023 3.7 9 0.000289 0.000325	HDOP Positions used VCV xz (m²) VCV yz (m²) VCV zz (m²)	0.033 1.2 5 0.000313 0.000202	VDOP	:
Point Antenna height QC 1 QC 2 nitialization event: RT	2.500	Type PDOP Base data age VCV xx (m²)	Uncorrected 2.6 1 0.000666	Hz Prec GDOP Satellites VCV xy (m²)	0.023 3.7 9 0.000289 0.000325	HDOP Positions used VCV xz (m²) VCV yz (m²)	0.033 1.2 5 0.000313 0.000202	VDOP	:
Point Antenna height QC 1	2.500	Type PDOP Base data age VCV xx (m²)	Uncorrected 2.6 1 0.000666	Hz Prec GDOP Satellites VCV xy (m²) VCV yy (m²)	0.023 3.7 9 0.000289 0.000325	HDOP Positions used VCV xz (m²) VCV yz (m²) VCV zz (m²)	0.033 1.2 5 0.000313 0.000202 0.000594	VDOP	:
Point Antenna height QC 1 QC 2 nitialization event: RT	2.500 K not initialized 2379	Type PDOP Base data age VCV xx (m²)	Uncorrected 2.6 1 0.000666	Hz Prec GDOP Satellites VCV xy (m²) VCV yy (m²)	0.023 3.7 9 0.000289 0.000325	HDOP Positions used VCV xz (m²) VCV yz (m²) VCV zz (m²)	0.033 1.2 5 0.000313 0.000202 0.000594	VDOP	

274.1 EDM Refractive Index EDM Carrier Wavelength 79.3 Horizontal circle mode Set to azimuth 0.0009 Horizontal Angle Precision Vertical Angle Precision 0.0009 EDM precision 3mm +2ppm EDM constant 0mm 0.003 Backsight centering error

Instrument details

Model Serial number Firmware versior Horizontal collim Vertical collimati Trunnion axis tilt Atmosphere Pressure Curvature correction	ation on	S6 3 DR 300+ 92721070 R12.5.54 -0.0007 0.0001 -0.0017							
Firmware version Horizontal collim Vertical collimati Trunnion axis tilt Atmosphere Pressure Curvature correction	ation on	R12.5.54 -0.0007 0.0001							
Horizontal collim Vertical collimati Trunnion axis tilt Atmosphere Pressure Curvature correction	ation on	-0.0007 0.0001							
Vertical collimati Trunnion axis tilt Atmosphere Pressure Curvature correction	on	0.0001							
Trunnion axis tilt Atmosphere Pressure Curvature correction									
Atmosphere Pressure Curvature correction	211								
Pressure Curvature correction									
Curvature correction									
correction	904.50mbar	Temperature	28.0°C	ppm	35.9				
,	Yes	Refraction	Yes	Refraction	0.142				
Station setup	100	correction		const.	0.112				
Station	fs1	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	
				!		!			
Orientation		Do abainh4		F4 O::		F0 O::			
Station	fs1	Backsight point	Auto0000	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.009
Point (B.S.)	Auto0000		356.0149		108.4092	SD	80.069	Code	
Std Errors		НА	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
				VA	00.7040	en	00.700	Codo	
Point (B.S.)	1023	HA HA	210.1802 0.0009		99.7240 0.0009	I	22.728	Coae	
Std Errors		Prism		VA	0.0009	ענ	0.003		
Target height	1.400	constant	2.0mm						
Point	fs1	North	4691359.351	East	7500169.058	Elevation	1059.557	Code	
Resection	fs1	Std Error (N)	0.011	Std Error (E)	0.008	Std Error (EI)	0.017		
Residuals (Station)	·								
Point	Auto0000		800.0		-0.006			Used for	Horizontal+Vertic
		ΔΗΑ	0.0008	ΔVΑ	0.0352	ΔSD	0.016		
Point	1023	AN	-0.008	ΛE	0.003	ΔElev	0.007	Used for	Horizontal+Vertic
Foliit	1023	ΔΗΑ	-0.0084		-0.0183		0.007	Used 101	TIONZONIAI+ VEILIC
Point	1024	Пν	364.8905	VA	104.0693	en	6.752	Codo	ParcRe 1322
Std Errors	1024	HA	0.0009		0.0009		0.732	Code	Faiche 1322
Target height	1.400	Prism	2.0mm		0.0000		0.010		
		constant							
Stake out point (1024)	Design point: ParcR	e 13220Code:						
Method		To the point							-
Stakeout	Deltas: Grid	Δ North	0.014	Δ East	-0.006	ΔElev	-1057.726		
Point	1025	шл	175.7058	VA	99.7129	en	9 561	Code	ParcRe 1232
Std Errors	1025	HA	0.0009		0.0009		0.010	Code	T arcive 1232
		Prism			0.0000		0.010		
Target height	1.400	constant	2.0mm						
Stake out point (′ Method	1025)	Design point: ParcR To the point	e 12328Code:						
Stakeout	Deltas: Grid		-0.068	Δ East	-0.091	ΔElev	-1058.196		
Point	1026		128.9579		118.7521	I	18.291	Code	ParcRe 1232
Std Errors		HA Prism	0.0009	VA	0.0009	חפ	0.010		
Target height	1.400	constant	2.0mm						
Stake out point (′ Method	1026)	Design point: ParcR To the point	e 12324Code:						
Stakeout	Deltas: Grid		0.180	Δ East	0.134	ΔElev	-1052.847		
Point	1027	НА	128.7249	VA	118.9080	SD	18.070	Code	ParcRe 1232
Std Errors		HA	0.0009		0.0009	I	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out line (10	027)	Line name: ParcRe	12323 Code:						
Method	•	To the line							
Station		-0.306							
Elevation		0.000							
Stakeout	Deltas: Grid	Δ North	0.046	Δ East	0.003	ΔElev	-1052.868		
Stakeout	Deltas: Linear	Δ Station		ΔOffset	-0.046	ΔElev		Grade to line	-2294719.62
Point	1028		59.9982		129.7539		18.903	Code	ParcRe 133
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		

Target height	1.400	Prism constant	2.0mm						
Stake out line	(1028)	Line name: Pard	Re 13317 Code:						
Method		To the line	o the line						
Station		-0.684	-0.684						
Elevation		0.000							
Stakeout	Deltas: Grid	Δ North	0.010	Δ East	0.048	ΔElev	-1049.640		
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	-0.049	ΔElev	-1049.640	Grade to line	-2136931.67%

Reduced points

Point	Auto0000	North	4691420.516	East	7500118.484	Elevation	1047.565	Code	
Point	Auto0001	North	4691352.591	East	7500138.600	Elevation	1066.360	Code	
Point	1023	North	4691336.908	East	7500165.442	Elevation	1058.263	Code	
Point	fs1	North	4691359.351	East	7500169.058	Elevation	1059.557	Code	
Point	1024	North	4691365.091	East	7500165.527	Elevation	1057.726	Code	ParcRe 13220
Point	1025	North	4691351.406	East	7500172.247	Elevation	1058.196	Code	ParcRe 12328
Point	1026	North	4691351.662	East	7500184.780	Elevation	1052.847	Code	ParcRe 12324
Point	1027	North	4691351.818	East	7500184.606	Elevation	1052.868	Code	ParcRe 12323
Point	1028	North	4691369.270	East	7500182.709	Elevation	1049.640	Code	ParcRe 13317