Survey Report

Job name	3615-2-jez_njaz
Creation date	9 Jun 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

Datum transformation

Type	None

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

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
Distances	Grid
Neighborhood adjustment	Off

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°21'44.93220", 21°00'07.39020", 1035.357m

Initialization event: RTK initialized

GPS week	2370	Seconds	143996	Initialization type	On the fly	Survey type	Real-time		

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	p1	X	4407118.683	Y	1691914.932	Z	4276134.958	Code	
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	2.000	Type	Uncorrected	Hz Prec	0.049	Vt Prec	0.090		
QC 1		PDOP	2.7	GDOP	3.7	HDOP	1.2	VDOP	2.5
		Base data age	1	Satellites	10	Positions used	1		

Warnings (p1)	Poor precision

Initialization event: RTK not initialized

GPS week	2370	Seconds	144150	Initialization type	On the fly	Survey type	Real-time		

Survey event

Survey event	End survey

Rover options

Elevation mask	13	PDOP mask	6						

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°21'44.94720", 21°00'07.46280", 1036.445m

Initialization event: RTK initialized

GPS week	2370	Seconds	144471	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK not initialized

GPS week	2370	Seconds	144475	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK initialized

GPS week	2370	Seconds	144482	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK not initialized

GPS week	2370	Seconds	144497	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK initialized

				Initialization					

GPS week	2370	Seconds	144501	type	On the fly	Survey type	Real-time		

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	pp1	X	4407118.713	Y	1691914.953	Z	4276135.124	Code		
		Method	Network RTK	Type	Topo point	Search class	Normal			
Antenna height	2.500	Type	Uncorrected	Hz Prec	0.024	Vt Prec	0.045			
QC 1		PDOP	2.8	GDOP	3.7	HDOP	1.2	VDOP		2.5
		Base data age	2	Satellites	10	Positions used	2			
QC 2		VCV xx (m²)	0.000895	VCV xy (m²)	0.000496	VCV xz (m²)	0.000710			
				VCV yy (m²)	0.000425	VCV yz (m²)	0.000477			
						VCV zz (m²)	0.001306			

Warnings (pp1)	Poor precision

Initialization event: RTK not initialized

GPS week	2370	Seconds	144519	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK initialized

GPS week	2370	Seconds	144521	Initialization type	On the fly	Survey type	Real-time		

Point	pp2	X	4407118.739	Y	1691914.937	Z	4276135.106	Code		
		Method	Network RTK	Type	Topo point	Search class	Normal			
Antenna height	2.500	Type	Uncorrected	Hz Prec	0.028	Vt Prec	0.046			
QC 1		PDOP	2.8	GDOP	3.7	HDOP	1.2	VDOP		2.5
		Base data age	1	Satellites	10	Positions used	2			
QC 2		VCV xx (m²)	0.000810	VCV xy (m²)	0.000243	VCV xz (m²)	0.000761			
				VCV yy (m²)	0.000263	VCV yz (m²)	0.000269			
						VCV zz (m²)	0.001865			

Warnings (pp2)	Poor precision

Initialization event: RTK not initialized

GPS week	2370	Seconds	144566	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK initialized

GPS week	2370	Seconds	144613	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK not initialized

GPS week	2370	Seconds	144616	Initialization type	On the fly	Survey type	Real-time		

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°21'45.33780", 21°00'06.54900", 1039.380m

Initialization event: RTK initialized

| GPS week | 2370 | Seconds | 144755 | Initialization type | | On the fly | Survey type | Real-time | | |

Initialization event: RTK not initialized

| GPS week | 2370 | Seconds | 144768 | Initialization type | | On the fly | Survey type | Real-time | | |

Initialization event: RTK initialized

| GPS week | 2370 | Seconds | 144781 | Initialization type | | On the fly | Survey type | Real-time | | |

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	pp3	X	4407121.379	Y	1691893.844	Z	4276146.302	Code		
		Method	Network RTK	Type	Topo point	Search class	Normal			
Antenna height	2.500	Type	Uncorrected	Hz Prec	0.010	Vt Prec	0.019			
QC 1		PDOP	3.6	GDOP	5.0	HDOP	1.2	VDOP		3.4
		Base data age	2	Satellites	9	Positions used	5			
QC 2		VCV xx (m²)	0.000185	VCV xy (m²)	0.000064	VCV xz (m²)	0.000126			
				VCV yy (m²)	0.000044	VCV yz (m²)	0.000062			
						VCV zz (m²)	0.000213			

Initialization event: RTK not initialized

| GPS week | 2370 | Seconds | 144815 | Initialization type | | On the fly | Survey type | Real-time | | |

Initialization event: RTK initialized

| GPS week | 2370 | Seconds | 144823 | Initialization type | | On the fly | Survey type | Real-time | | |

Initialization event: RTK not initialized

| GPS week | 2370 | Seconds | 144848 | Initialization type | | On the fly | Survey type | Real-time | | |

Initialization event: RTK initialized

| GPS week | 2370 | Seconds | 144850 | Initialization type | | On the fly | Survey type | Real-time | | |

Point	pp4	X	4407108.797	Y	1691906.901	Z	4276145.350	Code		
		Method	Network RTK	Type	Topo point	Search class	Normal			
Antenna height	2.500	Type	Uncorrected	Hz Prec	0.009	Vt Prec	0.018			
QC 1		PDOP	4.0	GDOP	5.6	HDOP	1.4	VDOP		3.8
		Base data age	2	Satellites	8	Positions used	5			
QC 2		VCV xx (m²)	0.000173	VCV xy (m²)	0.000062	VCV xz (m²)	0.000119			
				VCV yy (m²)	0.000042	VCV yz (m²)	0.000059			
						VCV zz (m²)	0.000191			

Survey event

Survey event	End survey

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	910.00mbar	Temperature	19.0°C	ppm	27.1				
Curvature correction	Yes	Refraction correction	Yes	Refraction const.	0.142				

Station setup

Station	fs1	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	?

Orientation

Station	fs1	Backsight point	pp2	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.0655

Point (B.S.)	pp2	HA	306.5414	VA	85.2091	SD	30.165	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	pp3	HA	318.2866	VA	86.9879	SD	53.084	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	pp4	HA	332.8757	VA	91.8362	SD	38.420	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	fs1	North	4691426.338	East	7500197.714	Elevation	1025.289	Code	
Resection	fs1	Std Error (N)	0.040	Std Error (E)	0.019	Std Error (El)	0.018		

Residuals (Station)

Point	pp2	ΔN	0.016	ΔE	-0.001	ΔElev	0.025	Used for	Horizontal+Vertical
		ΔHA	0.0354	ΔVA	-0.0501	ΔSD	0.008		
Point	pp3	ΔN	0.005	ΔE	0.011	ΔElev	-0.026	Used for	Horizontal+Vertical
		ΔHA	0.0098	ΔVA	0.0277	ΔSD	-0.015		
Point	pp4	ΔN	-0.025	ΔE	-0.003	ΔElev	-0.027	Used for	Horizontal+Vertical
		ΔHA	-0.0390	ΔVA	0.0416	ΔSD	-0.013		

Point	001	HA	332.2851	VA	96.4743	SD	22.847	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	002	HA	341.4193	VA	94.9922	SD	20.645	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.000	Prism constant	2.0mm						
Point	003	HA	307.9034	VA	91.1379	SD	9.155	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.000	Prism constant	2.0mm						
Point	004	HA	336.5044	VA	92.8374	SD	8.964	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.000	Prism constant	2.0mm						
Point	005	HA	214.3570	VA	95.4640	SD	4.315	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.000	Prism constant	2.0mm						
Point	006	HA	111.4240	VA	97.9630	SD	1.818	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.000	Prism constant	2.0mm						
Point	007	HA	171.8342	VA	103.0730	SD	6.059	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.000	Prism constant	2.0mm						
Point	008	HA	118.5927	VA	105.4298	SD	3.980	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
		Prism							

Target height	2.000	constant	2.0mm									
Point	009	**HA**	133.5534	**VA**	113.2819	**SD**	21.230	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	2.000	**Prism constant**	2.0mm									
Point	010	**HA**	120.5180	**VA**	113.9547	**SD**	20.718	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	2.000	**Prism constant**	2.0mm									
Point	011	**HA**	132.1153	**VA**	114.0187	**SD**	32.036	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	2.000	**Prism constant**	2.0mm									
Point	012	**HA**	123.0950	**VA**	113.9982	**SD**	31.214	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	2.000	**Prism constant**	2.0mm									
Point	013	**HA**	127.0515	**VA**	114.6280	**SD**	41.089	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	1.600	**Prism constant**	2.0mm									
Point	014	**HA**	128.7457	**VA**	113.8107	**SD**	55.926	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	1.600	**Prism constant**	2.0mm									
Point	015	**HA**	131.0659	**VA**	112.6660	**SD**	65.638	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	1.600	**Prism constant**	2.0mm									
Point	ps1	**HA**	130.0863	**VA**	113.2351	**SD**	78.825	**Code**				
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	1.600	**Prism constant**	2.0mm									
Point	016	**HA**	130.6346	**VA**	113.1799	**SD**	78.846	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	1.600	**Prism constant**	2.0mm									
Point	017	**HA**	127.9249	**VA**	113.0392	**SD**	78.880	**Code**				ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	1.600	**Prism constant**	2.0mm									
Point	ps2	**HA**	132.0123	**VA**	114.4796	**SD**	48.222	**Code**				
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003					
Target height	1.800	**Prism constant**	2.0mm									

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	911.80mbar	**Temperature**	19.0°C	**ppm**	26.6				
Curvature correction	Yes	**Refraction correction**	Yes	**Refraction const.**	0.142				

Station setup

Station	fs2	**Instrument height**	0.000	**Station type**	Resection (Standard)	**Scale factor**	1.00000000	**Std Error**	?

Orientation

		Backsight		**F1 Orientation**		**F2 Orientation**			

Station	fs2	point	ps1	correction	0.0000	correction	?	Orient. Std Err	0.0072

Point (B.S.)	ps1	HA	149.5131	VA	119.2183	SD	10.338	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	ps2	HA	316.8209	VA	93.6473	SD	21.312	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	fs2	North	4691398.164	East	7500259.339	Elevation	1011.893	Code	
Resection	fs2	Std Error (N)	0.002	Std Error (E)	0.002	Std Error (El)	0.001		

Residuals (Station)

Point	ps1	ΔN	-0.001	ΔE	0.002	ΔElev	0.001	Used for	Horizontal+Vertical
		ΔHA	-0.0027	ΔVA	-0.0087	ΔSD	0.002		
Point	ps2	ΔN	0.001	ΔE	-0.002	ΔElev	-0.001	Used for	Horizontal+Vertical
		ΔHA	0.0006	ΔVA	0.0031	ΔSD	0.002		

Point	018	HA	318.5963	VA	91.4035	SD	28.817	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	019	HA	314.7440	VA	92.7969	SD	24.904	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	020	HA	325.0060	VA	92.9031	SD	22.887	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	021	HA	305.9464	VA	94.4067	SD	15.821	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	022	HA	322.0176	VA	94.8197	SD	13.946	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	023	HA	272.9430	VA	98.4257	SD	4.734	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	024	HA	330.0397	VA	94.0295	SD	4.092	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	025	HA	154.0462	VA	118.3495	SD	10.283	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	026	HA	129.8091	VA	118.9881	SD	10.350	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	027	HA	149.3661	VA	118.7260	SD	19.733	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	028	HA	135.6664	VA	117.6199	SD	20.444	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	029	HA	150.0995	VA	118.9134	SD	21.551	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	030	HA	137.4348	VA	117.7158	SD	23.204	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	031	HA	146.4230	VA	117.3695	SD	28.613	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	032	HA	153.2845	VA	116.0057	SD	25.157	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.500	Prism constant	2.0mm						

Point	ps3	HA	151.4561	VA	117.1840	SD	32.866	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	913.00mbar	Temperature	19.0°C	ppm	26.3				
Curvature correction	Yes	Refraction correction	Yes	Refraction const.	0.142				

Station setup

Station	fs3	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	?

Orientation

Station	fs3	Backsight point	ps1	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.0232

Point (B.S.)	ps1	HA	328.0899	VA	85.8350	SD	12.018	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	ps3	HA	176.5184	VA	115.9699	SD	12.132	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	fs3	North	4691386.228	East	7500276.976	Elevation	1006.153	Code	
Resection	fs3	Std Error (N)	0.005	Std Error (E)	0.005	Std Error (El)	0.013		

Residuals (Station)

Point	ps1	ΔN	0.003	ΔE	-0.004	ΔElev	0.013	Used for	Horizontal+Vertical
		ΔHA	0.0056	ΔVA	-0.0627	ΔSD	0.008		
Point	ps3	ΔN	-0.004	ΔE	0.003	ΔElev	-0.013	Used for	Horizontal+Vertical
		ΔHA	-0.0056	ΔVA	0.0610	ΔSD	0.008		

Point	033	HA	212.9463	VA	115.9395	SD	6.675	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	034	HA	209.3394	VA	116.3704	SD	7.916	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	035	HA	171.9105	VA	119.1936	SD	6.549	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	036	HA	207.1296	VA	113.1571	SD	10.489	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	037	HA	200.5313	VA	111.6321	SD	15.873	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.700	Prism constant	2.0mm						
Point	038	HA	199.1007	VA	110.2665	SD	23.406	Code	ruga

Std Errors		HA	0.0009	VA	0.0009	SD	0.003			
Target height	1.700	Prism constant	2.0mm							
Point	039	HA	196.2704	VA	110.2303	SD	27.166	Code		ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003			
Target height	1.700	Prism constant	2.0mm							
Point	040	HA	188.0119	VA	110.8974	SD	29.232	Code		ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003			
Target height	1.700	Prism constant	2.0mm							
Point	041	HA	183.7267	VA	111.6002	SD	31.015	Code		ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003			
Target height	1.400	Prism constant	2.0mm							
Point	ps4	HA	210.8710	VA	109.8098	SD	18.454	Code		
Std Errors		HA	0.0009	VA	0.0009	SD	0.003			
Target height	1.400	Prism constant	2.0mm							
Point	ps5	HA	353.1519	VA	86.8379	SD	6.622	Code		
Std Errors		HA	0.0009	VA	0.0009	SD	0.003			
Target height	1.400	Prism constant	2.0mm							

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	913.40mbar	Temperature	19.0°C	ppm	26.2				
Curvature correction	Yes	Refraction correction	Yes	Refraction const.	0.142				

Station setup

Station	fs4	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	?

Orientation

Station	fs4	Backsight point	ps5	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.0130

Point (B.S.)	ps5	HA	377.4846	VA	88.4096	SD	36.113	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	ps4	HA	348.4964	VA	90.2986	SD	15.445	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	fs4	North	4691357.723	East	7500284.924	Elevation	1000.975	Code	
Resection	fs4	Std Error (N)	0.003	Std Error (E)	0.005	Std Error (El)	0.001		

Residuals (Station)

Point	ps5	ΔN	-0.003	ΔE	0.001	ΔElev	-0.001	Used for	Horizontal+Vertical
		ΔHA	-0.0009	ΔVA	0.0010	ΔSD	-0.003		
Point	ps4	ΔN	0.002	ΔE	-0.001	ΔElev	0.001	Used for	Horizontal+Vertical
		ΔHA	0.0046	ΔVA	-0.0018	ΔSD	0.002		
Point	042	HA	386.9046	VA	98.2723	SD	6.778	Code	ruga

Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	043	**HA**	395.8974	**VA**	104.3206	**SD**	5.808	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	044	**HA**	8.0422	**VA**	107.5996	**SD**	6.094	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	045	**HA**	13.6605	**VA**	108.8080	**SD**	6.667	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	046	**HA**	21.1264	**VA**	109.9077	**SD**	9.212	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	047	**HA**	90.6518	**VA**	114.0526	**SD**	3.972	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	048	**HA**	81.5244	**VA**	113.1811	**SD**	7.091	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	049	**HA**	67.9626	**VA**	111.6195	**SD**	10.564	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	050	**HA**	57.4694	**VA**	110.3376	**SD**	13.642	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	051	**HA**	50.2693	**VA**	111.6847	**SD**	15.690	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	052	**HA**	46.7631	**VA**	110.7842	**SD**	16.446	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	053	**HA**	25.8432	**VA**	112.7567	**SD**	13.205	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	054	**HA**	32.6370	**VA**	111.0786	**SD**	21.679	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	055	**HA**	29.7931	**VA**	110.8833	**SD**	24.283	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	1.400	**Prism constant**	2.0mm					
Point	056	**HA**	31.4770	**VA**	108.1838	**SD**	27.643	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	2.500	**Prism constant**	2.0mm					
Point	057	**HA**	32.9111	**VA**	108.1143	**SD**	28.585	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	2.500	**Prism constant**	2.0mm					
Point	058	**HA**	37.6922	**VA**	107.5430	**SD**	30.850	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	2.500	**Prism constant**	2.0mm					
Point	059	**HA**	40.5943	**VA**	106.7092	**SD**	31.575	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	2.500	**Prism constant**	2.0mm					
Point	060	**HA**	35.3948	**VA**	105.6944	**SD**	37.303	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	2.500	**Prism constant**	2.0mm					
Point	061	**HA**	23.9728	**VA**	105.5162	**SD**	38.466	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	
Target height	2.500	**Prism constant**	2.0mm					
Point	062	**HA**	18.0041	**VA**	107.9643	**SD**	38.347	**Code**	ruga
Std Errors		**HA**	0.0009	**VA**	0.0009	**SD**	0.003	

Target height	1.400	Prism constant	2.0mm								

Point	063	HA	18.1606	VA	110.1037	SD	21.644	Code	ruga
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.050	Prism constant	2.0mm						

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	908.20mbar	Temperature	19.0°C	ppm	27.6				
Curvature correction	Yes	Refraction correction	Yes	Refraction const.	0.142				

Station setup

Station	nFs1	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	?

Orientation

Station	nFs1	Backsight point	pp3	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.0058

Point (B.S.)	pp3	HA	321.1351	VA	86.3610	SD	88.350	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						

Point (B.S.)	ps2	HA	149.4605	VA	115.4698	SD	13.578	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						

Point	nFs1	North	4691412.938	East	7500229.478	Elevation	1017.280	Code	
Resection	nFs1	Std Error (N)	0.006	Std Error (E)	0.005	Std Error (El)	0.009		

Residuals (Station)

Point	pp3	ΔN	-0.002	ΔE	0.006	ΔElev	-0.025	Used for	Horizontal+Vertical
		ΔHA	-0.0001	ΔVA	0.0170	ΔSD	-0.011		

Point	ps2	ΔN	0.003	ΔE	-0.005	ΔElev	0.003	Used for	Horizontal+Vertical
		ΔHA	0.0055	ΔVA	-0.0079	ΔSD	-0.006		

Point	064	HA	184.4619	VA	119.7185	SD	1.453	Code	Ndarjet 9854
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out point (064)		Design point: Ndarjet 9854Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.010	Δ East	-0.009	ΔElev	-1015.436		

Point	065	HA	250.1376	VA	100.5248	SD	3.969	Code	Ndarjet 9855
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out point (065)		Design point: Ndarjet 9855Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.024	Δ East	0.009	ΔElev	-1015.847		

Point	066	HA	76.7876	VA	138.0655	SD	21.517	Code	Ndarjet 10010
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		

Target height	1.400	Prism constant	2.0mm						

Stake out point (066)		Design point: Ndarjet 10010Code:							
Method		To the point							

Stakeout	Deltas: Grid	Δ North	-0.025	Δ East	0.044	ΔElev	-1003.766		

Point	pn1	HA	327.7581	VA	85.6466	SD	18.781	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	pn2	HA	327.7311	VA	87.3187	SD	50.904	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.500	Prism constant	2.0mm						
Point	pn3	HA	134.9210	VA	113.2072	SD	54.026	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.500	Prism constant	2.0mm						

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	906.70mbar	Temperature	19.0°C	ppm	28.0				
Curvature correction	Yes	Refraction correction	Yes	Refraction const.	0.142				

Station setup

Station	nFs2	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	?

Orientation

Station	nFs2	Backsight point	pn2	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.0084

Point (B.S.)	pn2	HA	356.7297	VA	105.2717	SD	35.593	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	pn1	HA	26.6349	VA	127.6886	SD	17.217	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.850	Prism constant	2.0mm						
Point	nFs2	North	4691406.403	East	7500206.543	Elevation	1029.190	Code	
Resection	nFs2	Std Error (N)	0.003	Std Error (E)	0.004	Std Error (El)	0.007		

Residuals (Station)

Point	pn2	ΔN	0.002	ΔE	-0.002	ΔElev	0.008	Used for	Horizontal+Vertical
		ΔHA	-0.0012	ΔVA	-0.0142	ΔSD	0.002		
Point	pn1	ΔN	-0.001	ΔE	0.001	ΔElev	-0.006	Used for	Horizontal+Vertical
		ΔHA	0.0058	ΔVA	0.0187	ΔSD	0.002		
Point	pn4	HA	251.0825	VA	69.7520	SD	18.137	Code	Ndarjet 9985
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out point (pn4)		Design point: Ndarjet 9985Code:							
Method		To the point							

Stakeout	Deltas: Grid	Δ North	0.016	Δ East	0.005	ΔElev	-1036.088		

Point	Ndarjet 10011	North	4691372.539	East	7500221.415	Elevation	0.000	Code	
Point	ParcRe 9724	North	4691374.746	East	7500213.319	Elevation	0.000	Code	

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	908.70mbar	Temperature	19.0°C	ppm	27.4				
Curvature correction	Yes	Refraction correction	Yes	Refraction const.	0.142				

Station setup

Station	nFs3	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	?

Orientation

Station	nFs3	Backsight point	ps2	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.0015

Point (B.S.)	ps2	HA	319.1697	VA	91.4679	SD	26.202	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	pn3	HA	149.1442	VA	118.1351	SD	15.874	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	nFs3	North	4691396.001	East	7500263.666	Elevation	1010.514	Code	
Resection	nFs3	Std Error (N)	0.001	Std Error (E)	0.001	Std Error (El)	0.000		

Residuals (Station)

Point	ps2	ΔN	0.000	ΔE	-0.001	ΔElev	0.000	Used for	Horizontal+Vertical
		ΔHA	0.0001	ΔVA	-0.0007	ΔSD	0.001		

Point	pn3	ΔN	0.000	ΔE	0.001	ΔElev	0.000	Used for	Horizontal+Vertical
		ΔHA	-0.0004	ΔVA	0.0007	ΔSD	0.001		

Point	100	HA	142.1695	VA	120.0611	SD	3.862	Code	Ndarjet 10037
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out point (100)		Design point: Ndarjet 10037Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.002	Δ East	-0.005	ΔElev	-1007.916		

Point	101	HA	209.8849	VA	109.8876	SD	3.978	Code	Ndarjet 10036
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out point (101)		Design point: Ndarjet 10036Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.016	Δ East	0.000	ΔElev	-1008.498		

Point	102	HA	82.4082	VA	138.1165	SD	24.364	Code	Ndarjet 10062
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out point (102)		Design point: Ndarjet 10062Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.017	Δ East	-0.013	ΔElev	-995.381		

Point	103	HA	264.7004	VA	71.2253	SD	31.039	Code	Ndarjet 10035
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out line (103)		Line name: Ndarjet 10035 Code:							
Method		To the line							
Station		25.526							
Elevation		0.000							
Stakeout	Deltas: Grid	Δ North	-0.054	Δ East	0.025	ΔElev	-1022.671		
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	-0.059	ΔElev	-1022.671	Grade to line	-1729307.40%

Point	pn5	HA	327.6252	VA	85.0242	SD	6.563	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	907.70mbar	Temperature	19.0°C	ppm	27.7			
Curvature correction	Yes	Refraction correction	Yes	Refraction const.	0.142			

Station setup

Station	nFs4	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	?

Orientation

Station	nFs4	Backsight point	pn5	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.0297

Point (B.S.)	pn5	HA	73.8081	VA	127.1104	SD	30.900	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	ps2	HA	25.1218	VA	133.3472	SD	20.355	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	2.000	Prism constant	2.0mm						
Point	nFs4	North	4691387.433	East	7500232.092	Elevation	1024.804	Code	
Resection	nFs4	Std Error (N)	0.009	Std Error (E)	0.008	Std Error (El)	0.006		

Residuals (Station)

Point	pn5	ΔN	0.000	ΔE	-0.005	ΔElev	0.006	Used for	Horizontal+Vertical
		ΔHA	-0.0047	ΔVA	-0.0066	ΔSD	-0.007		

Point	ps2	ΔN	-0.001	ΔE	0.003	ΔElev	-0.006	Used for	Horizontal+Vertical
		ΔHA	0.0119	ΔVA	0.0143	ΔSD	0.004		

Point	201	HA	239.4931	VA	73.7239	SD	20.021	Code	Ndarjet 10011
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	2.000	Prism constant	2.0mm						
Stake out point (201)		Design point: Ndarjet 10011Code:							

Method		To the point						
Stakeout	Deltas: Grid	Δ North	0.026	Δ East	-0.017	ΔElev	-1030.836	

Point	ParcRe 9725	North	4691360.274	East	7500266.414	Elevation	0.000	Code	
Point	202	HA	262.4154	VA	67.2817	SD	26.049	Code	ParcRe 9724
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	2.000	Prism constant	2.0mm						

Stake out point (202)		Design point: ParcRe 9724Code:						
Method		To the point						
Stakeout	Deltas: Grid	Δ North	-0.062	Δ East	0.068	ΔElev	-1035.611	

Instrument

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

Instrument details

Model	S6 3 DR 300+
Serial number	92721070
Firmware version	R12.5.54
Horizontal collimation	-0.0007
Vertical collimation	0.0001
Trunnion axis tilt correction	-0.0017

Atmosphere

Pressure	910.10mbar	Temperature	13.0°C	ppm	21.9			
Curvature correction	Yes	Refraction correction	Yes	Refraction const.	0.142			

Station setup

Station	nFs5	Instrument height	0.000	Station type	Resection (Standard)	Scale factor	1.00000000	Std Error	?

Orientation

Station	nFs5	Backsight point	ps5	F1 Orientation correction	0.0000	F2 Orientation correction	?	Orient. Std Err	0.0084

Point (B.S.)	ps5	HA	377.4301	VA	88.3750	SD	36.139	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point (B.S.)	ps4	HA	348.4422	VA	90.1941	SD	15.490	Code	
Std Errors		HA	0.0009	VA	0.0009	SD	0.003		
Target height	1.400	Prism constant	2.0mm						
Point	nFs5	North	4691357.708	East	7500284.961	Elevation	1000.946	Code	
Resection	nFs5	Std Error (N)	0.002	Std Error (E)	0.003	Std Error (El)	0.003		

Residuals (Station)

Point	ps5	ΔN	0.002	ΔE	0.000	ΔElev	0.004	Used for	Horizontal+Vertical
		ΔHA	0.0006	ΔVA	-0.0055	ΔSD	0.003		

Point	ps4	ΔN	-0.002	ΔE	0.001	ΔElev	-0.003	Used for	Horizontal+Vertical
		ΔHA	-0.0030	ΔVA	0.0093	ΔSD	-0.002		

Point	203	HA	308.7523	VA	90.7009	SD	18.923	Code	ParcRe 9725
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out point (203)		Design point: ParcRe 9725Code:						
Method		To the point						
Stakeout	Deltas: Grid	Δ North	0.001	Δ East	-0.005	ΔElev	-1002.301	

Point	204	HA	373.2090	VA	103.5689	SD	3.246	Code	Ndarjet 9790
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						

Stake out point (204)		Design point: Ndarjet 9790Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.002	Δ East	-0.009	ΔElev	-999.364		

Point	205	HA	51.9817	VA	112.1064	SD	6.639	Code	Ndarjet 9782
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (205)		Design point: Ndarjet 9782Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.001	Δ East	-0.005	ΔElev	-998.291		

Point	206	HA	49.3289	VA	112.6106	SD	9.430	Code	Ndarjet 9778
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (206)		Design point: Ndarjet 9778Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.004	Δ East	0.011	ΔElev	-997.690		

Point	207	HA	44.0448	VA	112.4781	SD	12.193	Code	Ndarjet 9774
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (207)		Design point: Ndarjet 9774Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.009	Δ East	-0.005	ΔElev	-997.171		

Point	208	HA	39.5353	VA	111.2044	SD	13.748	Code	Ndarjet 9770
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (208)		Design point: Ndarjet 9770Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.017	Δ East	0.023	ΔElev	-997.139		

Point	209	HA	24.1022	VA	111.5084	SD	20.448	Code	Ndarjet 9762
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (209)		Design point: Ndarjet 9762Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.016	Δ East	-0.010	ΔElev	-995.870		

Point	210	HA	21.4819	VA	111.2229	SD	24.259	Code	Ndarjet 9758
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (210)		Design point: Ndarjet 9758Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.035	Δ East	-0.030	ΔElev	-995.292		

Point	211	HA	29.6943	VA	109.7189	SD	31.438	Code	Ndarjet 9725
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (211)		Design point: Ndarjet 9725Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.002	Δ East	-0.001	ΔElev	-994.765		

Point	212	HA	31.4396	VA	110.6506	SD	27.751	Code	Ndarjet 9976
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (212)		Design point: Ndarjet 9976Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.052	Δ East	0.002	ΔElev	-994.925		

Point	213	HA	32.8483	VA	110.4741	SD	28.715	Code	Ndarjet 9980
Std Errors		HA	0.0009	VA	0.0009	SD	0.010		
Target height	1.400	Prism constant	2.0mm						
Stake out point (213)		Design point: Ndarjet 9980Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.024	Δ East	0.001	ΔElev	-994.843		

Reduced points

Point		North		East		Elevation		Code	
Point	p1	North	4691429.292	East	7500168.534	Elevation	1031.220	Code	
Point	pp1	North	4691429.390	East	7500168.543	Elevation	1030.859	Code	
Point	pp2	North	4691429.365	East	7500168.519	Elevation	1030.861	Code	
Point	pp3	North	4691441.067	East	7500147.885	Elevation	1034.640	Code	
Point	pp4	North	4691445.125	East	7500164.581	Elevation	1028.777	Code	
Point	fs1	North	4691426.338	East	7500197.714	Elevation	1025.289	Code	
Point	001	North	4691437.416	East	7500177.776	Elevation	1025.154	Code	ruga
Point	002	North	4691438.802	East	7500181.339	Elevation	1024.912	Code	ruga
Point	003	North	4691427.461	East	7500188.717	Elevation	1024.560	Code	ruga
Point	004	North	4691431.170	East	7500190.231	Elevation	1024.296	Code	ruga
Point	005	North	4691422.142	East	7500196.751	Elevation	1023.597	Code	ruga
Point	006	North	4691426.014	East	7500199.503	Elevation	1023.348	Code	ruga
Point	007	North	4691420.868	East	7500200.305	Elevation	1022.997	Code	ruga
Point	008	North	4691425.196	East	7500201.512	Elevation	1022.950	Code	ruga
Point	009	North	4691415.893	East	7500215.663	Elevation	1018.892	Code	ruga
Point	010	North	4691419.934	East	7500216.892	Elevation	1018.784	Code	ruga
Point	011	North	4691411.230	East	7500225.077	Elevation	1016.291	Code	ruga
Point	012	North	4691415.530	East	7500226.189	Elevation	1016.481	Code	ruga
Point	013	North	4691409.847	East	7500234.158	Elevation	1014.330	Code	ruga
Point	014	North	4691402.512	East	7500246.846	Elevation	1011.651	Code	ruga
Point	015	North	4691396.178	East	7500254.535	Elevation	1010.716	Code	ruga
Point	ps1	North	4691391.237	East	7500266.374	Elevation	1007.419	Code	
Point	016	North	4691390.631	East	7500266.100	Elevation	1007.482	Code	ruga
Point	017	North	4691393.544	East	7500267.619	Elevation	1007.646	Code	ruga
Point	ps2	North	4691403.702	East	7500238.870	Elevation	1012.615	Code	
Point	fs2	North	4691398.164	East	7500259.339	Elevation	1011.893	Code	
Point	018	North	4691406.385	East	7500231.999	Elevation	1014.373	Code	ruga
Point	019	North	4691403.843	East	7500235.259	Elevation	1013.305	Code	ruga
Point	020	North	4691406.868	East	7500238.330	Elevation	1013.039	Code	ruga
Point	021	North	4691399.634	East	7500243.650	Elevation	1011.881	Code	ruga
Point	022	North	4691402.875	East	7500246.264	Elevation	1011.627	Code	ruga
Point	023	North	4691396.212	East	7500255.027	Elevation	1010.610	Code	ruga
Point	024	North	4691400.016	East	7500255.710	Elevation	1010.876	Code	ruga
Point	025	North	4691390.764	East	7500265.853	Elevation	1007.569	Code	ruga
Point	026	North	4691393.699	East	7500268.167	Elevation	1007.451	Code	ruga
Point	027	North	4691384.945	East	7500272.824	Elevation	1004.771	Code	ruga
Point	028	North	4691387.715	East	7500275.996	Elevation	1004.906	Code	ruga
Point	029	North	4691383.572	East	7500273.886	Elevation	1004.183	Code	ruga
Point	030	North	4691385.789	East	7500277.901	Elevation	1004.118	Code	ruga
Point	031	North	4691379.808	East	7500279.883	Elevation	1002.782	Code	ruga
Point	032	North	4691380.071	East	7500275.655	Elevation	1003.134	Code	ruga
Point	ps3	North	4691375.263	East	7500281.216	Elevation	1001.728	Code	
Point	fs3	North	4691386.228	East	7500276.976	Elevation	1006.153	Code	
Point	033	North	4691379.895	East	7500275.670	Elevation	1003.099	Code	ruga
Point	034	North	4691378.655	East	7500275.857	Elevation	1002.740	Code	ruga
Point	035	North	4691380.573	East	7500279.647	Elevation	1002.808	Code	ruga
Point	036	North	4691376.027	East	7500275.829	Elevation	1002.601	Code	ruga
Point	037	North	4691370.621	East	7500276.846	Elevation	1001.569	Code	ruga
Point	038	North	4691363.131	East	7500277.303	Elevation	1000.695	Code	ruga
Point	039	North	4691359.462	East	7500278.546	Elevation	1000.106	Code	ruga
Point	040	North	4691357.937	East	7500282.368	Elevation	999.474	Code	ruga
Point	041	North	4691356.722	East	7500284.688	Elevation	999.133	Code	ruga
Point	ps4	North	4691368.261	East	7500273.878	Elevation	1001.921	Code	
Point	ps5	North	4691391.032	East	7500272.626	Elevation	1006.113	Code	
Point	fs4	North	4691357.723	East	7500284.924	Elevation	1000.975	Code	
Point	042	North	4691364.356	East	7500283.540	Elevation	999.759	Code	ruga
Point	043	North	4691363.506	East	7500284.551	Elevation	999.181	Code	ruga
Point	044	North	4691363.726	East	7500285.687	Elevation	998.849	Code	ruga
Point	045	North	4691364.175	East	7500286.330	Elevation	998.655	Code	ruga
Point	046	North	4691366.327	East	7500287.889	Elevation	998.147	Code	ruga
Point	047	North	4691358.290	East	7500288.759	Elevation	998.705	Code	ruga
Point	048	North	4691359.709	East	7500291.574	Elevation	998.117	Code	ruga
Point	049	North	4691362.733	East	7500294.024	Elevation	997.657	Code	ruga
Point	050	North	4691366.061	East	7500295.491	Elevation	997.369	Code	ruga
Point	051	North	4691368.584	East	7500295.877	Elevation	996.711	Code	ruga
Point	052	North	4691369.752	East	7500295.788	Elevation	996.802	Code	ruga
Point	053	North	4691369.611	East	7500290.034	Elevation	996.946	Code	ruga
Point	054	North	4691376.327	East	7500295.396	Elevation	995.821	Code	ruga
Point	055	North	4691379.075	East	7500295.717	Elevation	995.444	Code	ruga
Point	056	North	4691381.850	East	7500297.932	Elevation	994.931	Code	ruga

		North		East		Elevation		Code	
Point	057	North	4691382.367	East	7500298.936	Elevation	994.841	Code	ruga
Point	058	North	4691383.138	East	7500302.018	Elevation	994.828	Code	ruga
Point	059	North	4691382.948	East	7500303.614	Elevation	995.153	Code	ruga
Point	060	North	4691389.275	East	7500304.530	Elevation	995.143	Code	ruga
Point	061	North	4691393.353	East	7500299.014	Elevation	995.146	Code	ruga
Point	062	North	4691394.252	East	7500295.540	Elevation	994.790	Code	ruga
Point	063	North	4691378.228	East	7500290.938	Elevation	995.504	Code	ruga
Point	nFs1	North	4691412.938	East	7500229.478	Elevation	1017.280	Code	
Point	064	North	4691411.593	East	7500229.813	Elevation	1015.436	Code	Ndarjet 9854
Point	065	North	4691410.136	East	7500226.665	Elevation	1015.847	Code	Ndarjet 9855
Point	066	North	4691419.279	East	7500246.091	Elevation	1003.766	Code	Ndarjet 10010
Point	pn1	North	4691420.668	East	7500212.887	Elevation	1020.079	Code	
Point	pn2	North	4691433.988	East	7500184.249	Elevation	1024.854	Code	
Point	pn3	North	4691385.376	East	7500274.581	Elevation	1004.651	Code	
Point	nFs2	North	4691406.403	East	7500206.543	Elevation	1029.190	Code	
Point	pn4	North	4691395.196	East	7500194.948	Elevation	1036.088	Code	Ndarjet 9985
Point	Ndarjet 10011	North	4691372.539	East	7500221.415	Elevation	0.000	Code	
Point	ParcRe 9724	North	4691374.746	East	7500213.319	Elevation	0.000	Code	
Point	nFs3	North	4691396.001	East	7500263.666	Elevation	1010.514	Code	
Point	100	North	4691393.742	East	7500266.562	Elevation	1007.916	Code	Ndarjet 10037
Point	101	North	4691392.117	East	7500263.058	Elevation	1008.498	Code	Ndarjet 10036
Point	102	North	4691401.491	East	7500283.025	Elevation	995.381	Code	Ndarjet 10062
Point	103	North	4691381.303	East	7500239.931	Elevation	1022.671	Code	Ndarjet 10035
Point	pn5	North	4691398.685	East	7500257.874	Elevation	1010.644	Code	
Point	nFs4	North	4691387.433	East	7500232.092	Elevation	1024.804	Code	
Point	201	North	4691372.513	East	7500221.432	Elevation	1030.836	Code	Ndarjet 10011
Point	ParcRe 9725	North	4691360.274	East	7500266.414	Elevation	0.000	Code	
Point	202	North	4691374.808	East	7500213.251	Elevation	1035.611	Code	ParcRe 9724
Point	nFs5	North	4691357.708	East	7500284.961	Elevation	1000.946	Code	
Point	203	North	4691360.273	East	7500266.419	Elevation	1002.301	Code	ParcRe 9725
Point	204	North	4691360.667	East	7500283.637	Elevation	999.364	Code	Ndarjet 9790
Point	205	North	4691362.172	East	7500289.712	Elevation	998.291	Code	Ndarjet 9782
Point	206	North	4691364.314	East	7500291.429	Elevation	997.690	Code	Ndarjet 9778
Point	207	North	4691366.917	East	7500292.590	Elevation	997.171	Code	Ndarjet 9774
Point	208	North	4691368.715	East	7500292.836	Elevation	997.139	Code	Ndarjet 9770
Point	209	North	4691376.396	East	7500292.395	Elevation	995.870	Code	Ndarjet 9762
Point	210	North	4691380.240	East	7500292.867	Elevation	995.292	Code	Ndarjet 9758
Point	211	North	4691385.456	East	7500298.932	Elevation	994.765	Code	Ndarjet 9725
Point	212	North	4691381.798	East	7500297.930	Elevation	994.925	Code	Ndarjet 9976
Point	213	North	4691382.343	East	7500298.935	Elevation	994.843	Code	Ndarjet 9980