

**Project** 1624\_Davis  
**Organization** Horizon Surveying Co., Inc.  
**Operator** VKB  
**Created** 05/20/2016 08:10:58  
**Notes** Graham Lake - Ellsworth

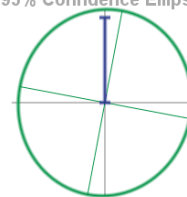
**Receiver Name** VKB  
**Receiver S/N** 00227  
**Receiver ID** 1WUDUEO6SZZ9L611LGYHOEA9DT  
**J-Field Version** 2.0.0.219  
**GNSS FW Version** 3.6.5.160420

Coordinate System	NAD83(2011) / Maine CS2000 Central   NAVD 88		
Type	Grid System	Epoch	2010.0000
Geodetic Datum			
Semi-major axis	6378137.000m	Inverse flattening	1 / 298.257222101
Prime meridian	00°00'00"		
WGS84(ITRF2008) to NAD83(2011) / NAVD 88 / Maine CS2000 Central zone			
Area	43°39'00"N...47°27'36"N × 070°01'12"W...068°20'24"W		
Geoid			
Geoid model file	g2012au_north.bin		
Transverse Mercator			
Latitude of Origin	43°30'00.00000"N	Central Meridian	069°07'30.00000"W
Scale Factor	0.99998	False Easting	1640416.6667 ft
False Northing	0.0 ft	Semi-major axis	20925604.4742 ft
Flattening	0.003352811	Prime meridian	000°00'00.00000"E
Forward	on		

GNSS1-01_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		398864.6209 ft	1825652.3022 ft	106.8342 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: GNSS1-01				
WGS84 (ITRF2008) @2005.0000			44°35'31.07650"N	068°24'50.20330"W	22.4396 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 10:26:44		Time UTC	05/20/2016 14:26:44	
Antenna	JAVTRIUMPH_2A NONE		Vertical Antenna Height		6.6437 ft
Epochs	4294967295	Satellites	10+8	Duration	0.000 sec
Solution	Standalone / RTK	Confidence	_____	Consistency	_____
HRMS	2.5925 ft	VRMS	4.3273 ft	3DRMS	5.0444 ft
HDOP	0.0000	PDOP	0.0000	GDOP	0.0000
95% Confidence Ellipse		$\sigma_a$ :4.657 ft	$\sigma_b$ :4.310 ft	$\theta$ :10°39'	$\sigma_h$ :8.481 ft

Report for Point:	GNSS1-01_AVG [2/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180	@2010.00
	GRID: 398864.6209 1825652.3022 106.8342	
Rover	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180	@2010.00
	GRID: 398864.6209 1825652.3022 106.8342	
DUR: 0s	Sats: 10+8	UTC: 2016-05-20 14:26:44
HRMS: 2.593	VRMS: 4.327	3dRMS: 5.044
95% Confidence Ellipse		
$\sigma_h$ : 8.481		
$\theta$ : 10°39'18" $\sigma_a$ : 4.657 $\sigma_b$ : 4.310		
ANT: HGT:6.644ft JAVTRIUMPH_2A NONE		
Point: GNSS1-01_AVG [2/2] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft

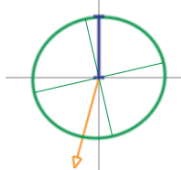


PIPE3_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402255.9869 ft	1826570.4271 ft	111.2829 ft
Page	AVERAGED	Code	DefCode	Tag	——
Notes	Averaged: PIPE3, PIPE4				
WGS84 (ITRF2008) @2005.0000			44°36'04.48310"N	068°24'37.10611"W	26.8883 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 16:00:10		Time UTC	05/20/2016 20:00:10	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	1220	Satellites	6+6	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	——	Consistency	——
HRMS	0.0135 ft	VRMS	0.0230 ft	3DRMS	0.0266 ft
HDOP	0.9007	PDOP	1.7347	GDOP	2.0580
95% Confidence Ellipse		σ <sub>a</sub> :0.024 ft	σ <sub>b</sub> :0.022 ft	θ:77°1'	σ <sub>h</sub> :0.045 ft

Report for Point:	PIPE3_AVG [2/3]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUE06SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°36'04.44756"N 068°24'37.10006"W 30.6657		@2010.00
		GRID: 402255.9869 1826570.4271 111.2829		
R►B: 195°8'		3513.45	↓-4.45	
DUR: 0s		Sats: 6+6	UTC: 2016-05-20 20:00:10	
HRMS: 0.013		VRMS: 0.023	3dRMS: 0.027	95% Confidence Ellipse 
HDOP: 0.901		VDOP: 1.483	PDOP: 1.735	
σ <sub>h</sub> : 0.045		TDOP: 1.107	GDOP: 2.058	
θ: 77°1'28"		σ <sub>a</sub> : 0.024	σ <sub>b</sub> : 0.022	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: PIPE3_AVG [2/3] DefCode				
Cluster Average				
Project: 1624 Davis		Page: AVERAGED		Units: ft

PIPE5_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402147.8795 ft	1826615.6454 ft	110.6306 ft
Page	AVERAGED	Code	DefCode	Tag	——
Notes	Averaged: PIPE5, PIPE6, PIPE7, PIPE8				
WGS84 (ITRF2008) @2005.0000			44°36'03.41176"N	068°24'36.49427"W	26.2379 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	2495	Satellites	6+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	——	Consistency	——
HRMS	0.0095 ft	VRMS	0.0183 ft	3DRMS	0.0206 ft
HDOP	0.9735	PDOP	1.8671	GDOP	2.2261
95% Confidence Ellipse		σ <sub>a</sub> :0.017 ft	σ <sub>b</sub> :0.016 ft	θ:42°54'	σ <sub>h</sub> :0.036 ft

Report for Point:	PIPE5_AVG [1/1]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

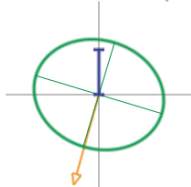
Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°36'03.37621"N 068°24'36.48822"W 30.0154		@2010.00
		GRID: 402147.8795 1826615.6454 110.6306		
R►B: 196°21'		3421.67	↓-3.80	
DUR: 0s		Sats: 6+5	UTC: 2016-05-20 21:14:18	
HRMS: 0.010		VRMS: 0.018	3dRMS: 0.021	<div>95% Confidence Ellipse</div>
HDOP: 0.974		VDOP: 1.593	PDOP: 1.867	
σ <sub>h</sub> : 0.036		TDOP: 1.212	GDOP: 2.226	
θ: 42°54'42"		σ <sub>a</sub> : 0.017	σ <sub>b</sub> : 0.016	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: PIPE5_AVG [1/1] DefCode				
Cluster Average				
Project: 1624_Davis			Page: AVERAGED	
Units: ft				

PIPE_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402238.7976 ft	1826596.5176 ft	110.5922 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: PIPE, PIPE1, PIPE2, WIRE10				
WGS84 (ITRF2008) @2005.0000			44°36'04.31112"N	068°24'36.74762"W	26.1984 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 15:52:42		Time UTC	05/20/2016 19:52:42	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	2440	Satellites	6+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0125 ft	VRMS	0.0165 ft	3DRMS	0.0207 ft
HDOP	0.8938	PDOP	1.6705	GDOP	1.9760
95% Confidence Ellipse		σ <sub>a</sub> :0.024 ft	σ <sub>b</sub> :0.019 ft	θ:286°45'	σ <sub>h</sub> :0.032 ft

Report for Point:	PIPE_AVG [2/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

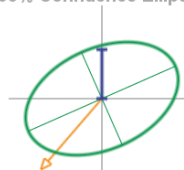
<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°36'04.27557"N 068°24'36.74156"W 29.9758		@2010.00
		GRID: 402238.7976 1826596.5176 110.5922		
R►B: 195°38'		3503.80	↓-3.76	
DUR: 0s		Sats: 6+5	UTC: 2016-05-20 19:52:42	
HRMS: 0.013		VRMS: 0.017	3dRMS: 0.021	95% Confidence Ellipse 
HDOP: 0.894		VDOP: 1.411	PDOP: 1.670	
σ <sub>h</sub> : 0.032		TDOP: 1.055	GDOP: 1.976	
θ: 286°45'37"		σ <sub>a</sub> : 0.024	σ <sub>b</sub> : 0.019	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: PIPE_AVG [2/2] DefCode				
Cluster Average				
Project: 1624_Davis		Page: AVERAGED		Units: ft

RERF1_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		401145.1049 ft	1827619.3132 ft	135.3868 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: RERF1, RERF2				
WGS84 (ITRF2008) @2005.0000			44°35'53.42348"N	068°24'22.74542"W	51.0277 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	2163	Satellites	5+6	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0294 ft	VRMS	0.0379 ft	3DRMS	0.0480 ft
HDOP	0.0000	PDOP	0.0000	GDOP	0.0000
95% Confidence Ellipse		$\sigma_a$ :0.061 ft	$\sigma_b$ :0.038 ft	$\theta$ :66°12'	$\sigma_h$ :0.074 ft

Report for Point:	RERF1_AVG [2/3]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180	@2010.00
	GRID: 398864.6209 1825652.3022 106.8342	
Rover	GEO: 44°35'53.38794"N 068°24'22.73938"W 54.8055	@2010.00
	GRID: 401145.1049 1827619.3132 135.3868	
R►B: 220°46'	3011.60	↓-28.55
DUR: 0s	Sats: 5+6	UTC: 2016-05-20 21:14:18
HRMS: 0.029	VRMS: 0.038	3dRMS: 0.048
95% Confidence Ellipse		
$\sigma_h$ : 0.074		
$\theta$ : 66°12'0" $\sigma_a$ : 0.061 $\sigma_b$ : 0.038		
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: RERF1_AVG [2/3] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft

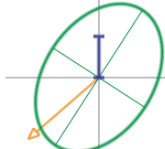


RERF_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		400566.7225 ft	1827614.1388 ft	124.6216 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: RERF				
WGS84 (ITRF2008) @2005.0000			44°35'47.71309"N	068°24'22.88732"W	40.2667 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 11:11:55		Time UTC	05/20/2016 15:11:55	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	602	Satellites	7+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0299 ft	VRMS	0.0318 ft	3DRMS	0.0437 ft
HDOP	0.7677	PDOP	1.4894	GDOP	1.6804
95% Confidence Ellipse		σ <sub>a</sub> :0.061 ft	σ <sub>b</sub> :0.041 ft	θ:32°50'	σ <sub>h</sub> :0.062 ft

Report for Point:	RERF_AVG [2/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

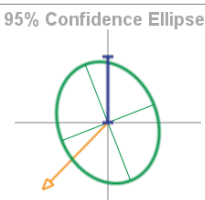
<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°35'47.67754"N 068°24'22.88128"W 44.0447		@2010.00
		GRID: 400566.7225 1827614.1388 124.6216		
R►B: 229°3'		2597.30	↓-17.79	
DUR: 0s		Sats: 7+5	UTC: 2016-05-20 15:11:55	
HRMS: 0.030		VRMS: 0.032	3dRMS: 0.044	<div>95% Confidence Ellipse</div> 
HDOP: 0.768		VDOP: 1.276	PDOP: 1.489	
σ <sub>h</sub> : 0.062		TDOP: 0.778	GDOP: 1.680	
θ: 32°50'41"		σ <sub>a</sub> : 0.061	σ <sub>b</sub> : 0.041	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: RERF_AVG [2/2] DefCode				
Cluster Average				
Project: 1624_Davis		Page: AVERAGED		Units: ft

RERF3_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		401360.1752 ft	1828087.3327 ft	139.8485 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: RERF3, RERF4				
WGS84 (ITRF2008) @2005.0000			44°35'55.50630"N	068°24'16.25135"W	55.4999 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 12:37:58		Time UTC	05/20/2016 16:37:58	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	1220	Satellites	7+7	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0118 ft	VRMS	0.0243 ft	3DRMS	0.0270 ft
HDOP	0.7142	PDOP	1.4198	GDOP	1.6118
95% Confidence Ellipse		σ <sub>a</sub> :0.023 ft	σ <sub>b</sub> :0.018 ft	θ:338°37'	σ <sub>h</sub> :0.048 ft

Report for Point:	RERF3_AVG [1/1]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYH0EA9DT

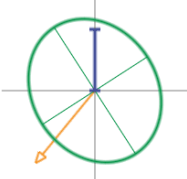
Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°35'55.47075"N 068°24'16.24531"W 59.2776	@2010.00
	GRID: 401360.1752 1828087.3327 139.8485	
R►B: 224°17'	3486.71	↓-33.01
DUR: 0s	Sats: 7+7	UTC: 2016-05-20 16:37:58
HRMS: 0.012	VRMS: 0.024	3dRMS: 0.027
HDOP: 0.714	VDOP: 1.227	PDOP: 1.420
σ <sub>h</sub> : 0.048	TDOP: 0.763	GDOP: 1.612
θ: 338°37'54"	σ <sub>a</sub> : 0.023	σ <sub>b</sub> : 0.018
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: RERF3_AVG [1/1] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft

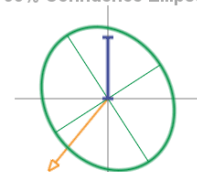




RERF5_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		401570.0456 ft	1827872.4569 ft	145.9676 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: RERF5, RERF6				
WGS84 (ITRF2008) @2005.0000			44°35'57.59724"N	068°24'19.19529"W	61.6119 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 12:49:40		Time UTC	05/20/2016 16:49:40	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	1220	Satellites	7+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0217 ft	VRMS	0.0340 ft	3DRMS	0.0403 ft
HDOP	0.7860	PDOP	1.5135	GDOP	1.7311
95% Confidence Ellipse		σ <sub>a</sub> :0.041 ft	σ <sub>b</sub> :0.034 ft	θ:327°13'	σ <sub>h</sub> :0.067 ft

Report for Point:	RERF5_AVG [2/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

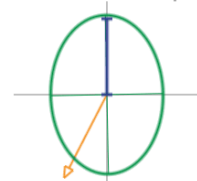
Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°35'57.56170"N 068°24'19.18925"W 65.3896		@2010.00
		GRID: 401570.0456 1827872.4569 145.9676		
R►B: 219°22'		3499.77	↓-39.13	
DUR: 0s		Sats: 7+5	UTC: 2016-05-20 16:49:40	
HRMS: 0.022		VRMS: 0.034	3dRMS: 0.040	95% Confidence Ellipse 
HDOP: 0.786		VDOP: 1.293	PDOP: 1.513	
σ <sub>h</sub> : 0.067		TDOP: 0.840	GDOP: 1.731	
θ: 327°13'7"		σ <sub>a</sub> : 0.041	σ <sub>b</sub> : 0.034	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: RERF5_AVG [2/2] DefCode				
Cluster Average				
Project: 1624_Davis		Page: AVERAGED		Units: ft



RERF7_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402260.5231 ft	1827402.9313 ft	146.6291 ft
Page	AVERAGED	Code	DefCode	Tag	——
Notes	Averaged: RERF7, RERF8				
WGS84 (ITRF2008) @2005.0000			44°36'04.45573"N	068°24'25.60011"W	62.2561 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 13:09:28		Time UTC	05/20/2016 17:09:28	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	1220	Satellites	7+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	——	Consistency	——
HRMS	0.0279 ft	VRMS	0.0542 ft	3DRMS	0.0610 ft
HDOP	0.8110	PDOP	1.5929	GDOP	1.8249
95% Confidence Ellipse		$\sigma_a$ :0.056 ft	$\sigma_b$ :0.039 ft	$\theta$ :358°50'	$\sigma_h$ :0.106 ft

Report for Point:	RERF7_AVG [1/1]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYH0EA9DT

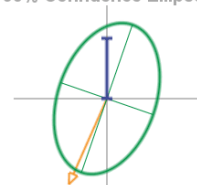
Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°36'04.42018"N 068°24'25.59406"W 66.0336	@2010.00
	GRID: 402260.5231 1827402.9313 146.6291	
R>B: 207°16'	3820.58	↓-39.79
DUR: 0s	Sats: 7+5	UTC: 2016-05-20 17:09:28
HRMS: 0.028	VRMS: 0.054	3dRMS: 0.061
HDOP: 0.811	VDOP: 1.371	PDOP: 1.593
$\sigma_h$ : 0.106	TDOP: 0.891	GDOP: 1.825
$\theta$ : 358°50'24"	$\sigma_a$ : 0.056	$\sigma_b$ : 0.039
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: RERF7_AVG [1/1] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft



RERF9_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402465.2244 ft	1827252.1207 ft	143.0877 ft
Page	AVERAGED	Code	DefCode	Tag	——
Notes	Averaged: RERF9, RERF10				
WGS84 (ITRF2008) @2005.0000			44°36'06.49001"N	068°24'27.65948"W	58.7093 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 13:20:36		Time UTC	05/20/2016 17:20:36	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	1220	Satellites	7+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	——	Consistency	——
HRMS	0.0243 ft	VRMS	0.0397 ft	3DRMS	0.0465 ft
HDOP	0.9045	PDOP	1.7689	GDOP	2.0566
95% Confidence Ellipse		$\sigma_a$ :0.050 ft	$\sigma_b$ :0.032 ft	$\theta$ :19°3'	$\sigma_h$ :0.078 ft

Report for Point:	RERF9_AVG [1/1]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

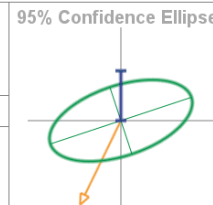
Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°36'06.45446"N 068°24'27.65343"W 62.4867	@2010.00
	GRID: 402465.2244 1827252.1207 143.0877	
R►B: 203°57'	3940.02	↓-36.25
DUR: 0s	Sats: 7+5	UTC: 2016-05-20 17:20:36
HRMS: 0.024	VRMS: 0.040	3dRMS: 0.047
HDOP: 0.904	VDOP: 1.520	PDOP: 1.769
$\sigma_h$ : 0.078	TDOP: 1.049	GDOP: 2.057
$\theta$ : 19°3'44"	$\sigma_a$ : 0.050	$\sigma_b$ : 0.032
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: RERF9_AVG [1/1] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft



RERF11_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402211.9946 ft	1827276.5512 ft	143.4071 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: RERF11, RERF12				
WGS84 (ITRF2008) @2005.0000			44°36'03.98754"N	068°24'27.35261"W	59.0313 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	2238	Satellites	6+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0174 ft	VRMS	0.0263 ft	3DRMS	0.0316 ft
HDOP	1.0953	PDOP	2.2617	GDOP	2.6937
95% Confidence Ellipse		$\sigma_a$ :0.039 ft	$\sigma_b$ :0.018 ft	$\theta$ :71°43'	$\sigma_h$ :0.052 ft

Report for Point:	RERF11_AVG [1/1]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYH0EA9DT

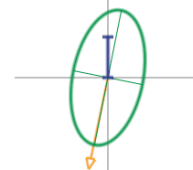
Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180	@2010.00
	GRID: 398864.6209 1825652.3022 106.8342	
Rover	GEO: 44°36'03.95200"N 068°24'27.34657"W 62.8087	@2010.00
	GRID: 402211.9946 1827276.5512 143.4071	
R►B: 205°53'	3720.63	↓-36.57
DUR: 0s	Sats: 6+5	UTC: 2016-05-20 21:14:18
HRMS: 0.017	VRMS: 0.026	3dRMS: 0.032
HDOP: 1.095	VDOP: 1.979	PDOP: 2.262
$\sigma_h$ : 0.052	TDOP: 1.463	GDOP: 2.694
$\theta$ : 71°43'53"	$\sigma_a$ : 0.039	$\sigma_b$ : 0.018
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: RERF11_AVG [1/1] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft



RERF13_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		401985.4176 ft	1826311.0222 ft	103.6741 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: RERF13, RERF14, RERF15, RERF16				
WGS84 (ITRF2008) @2005.0000			44°36'01.83397"N	068°24'40.72388"W	19.2746 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 17:56:46		Time UTC	05/20/2016 21:56:46	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	2440	Satellites	7+6	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0126 ft	VRMS	0.0166 ft	3DRMS	0.0208 ft
HDOP	0.8435	PDOP	1.6145	GDOP	1.8690
95% Confidence Ellipse		$\sigma_a$ :0.027 ft	$\sigma_b$ :0.014 ft	$\theta$ :11°20'	$\sigma_h$ :0.032 ft

Report for Point:	RERF13_AVG [1/1]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUE06SZZ9L611LGYH0EA9DT

Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°36'01.79842"N 068°24'40.71782"W 23.0521	@2010.00
	GRID: 401985.4176 1826311.0222 103.6741	
R>B: 191°55'	3189.56	3.16
DUR: 0s	Sats: 7+6	UTC: 2016-05-20 21:56:46
HRMS: 0.013	VRMS: 0.017	3dRMS: 0.021
HDOP: 0.843	VDOP: 1.377	PDOP: 1.615
$\sigma_h$ : 0.032	TDOP: 0.941	GDOP: 1.869
$\theta$ : 11°20'33"	$\sigma_a$ : 0.027	$\sigma_b$ : 0.014
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: RERF13_AVG [1/1] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft

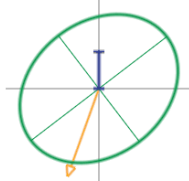


WIRE1_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402313.1256 ft	1826886.3753 ft	130.1236 ft
Page	AVERAGED	Code	DefCode	Tag	——
Notes	Averaged: WIRE1				
WGS84 (ITRF2008) @2005.0000			44°36'05.01993"N	068°24'32.73269"W	45.7369 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 15:04:48		Time UTC	05/20/2016 19:04:48	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	3	Satellites	6+3	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	——	Consistency	——
HRMS	0.0546 ft	VRMS	0.0464 ft	3DRMS	0.0717 ft
HDOP	1.1724	PDOP	2.1254	GDOP	2.5408
95% Confidence Ellipse		σ <sub>a</sub> :0.105 ft	σ <sub>b</sub> :0.082 ft	θ:52°35'	σ <sub>h</sub> :0.091 ft

Report for Point:	WIRE1_AVG [2/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

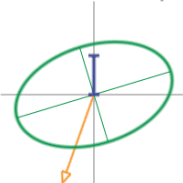
Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°36'04.98438"N 068°24'32.72664"W 49.5143		@2010.00
		GRID: 402313.1256 1826886.3753 130.1236		
R►B: 199°41'		3662.67	↓-23.29	
DUR: 0s		Sats: 6+3	UTC: 2016-05-20 19:04:48	
HRMS: 0.055		VRMS: 0.046	3dRMS: 0.072	95% Confidence Ellipse 
HDOP: 1.172		VDOP: 1.773	PDOP: 2.125	
σ <sub>h</sub> : 0.091		TDOP: 1.392	GDOP: 2.541	
θ: 52°35'13"		σ <sub>a</sub> : 0.105	σ <sub>b</sub> : 0.082	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: WIRE1_AVG [2/2] DefCode				
Cluster Average				
Project: 1624_Davis		Page: AVERAGED		Units: ft

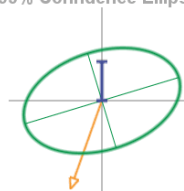
WIRE2_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402306.5879 ft	1826876.1516 ft	129.2775 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE2				
WGS84 (ITRF2008) @2005.0000			44°36'04.95626"N	068°24'32.87477"W	44.8905 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	511	Satellites	8+6	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0290 ft	VRMS	0.0300 ft	3DRMS	0.0418 ft
HDOP	0.0000	PDOP	0.0000	GDOP	0.0000
95% Confidence Ellipse		$\sigma_a$ :0.061 ft	$\sigma_b$ :0.037 ft	$\theta$ :73°15'	$\sigma_h$ :0.059 ft

Report for Point:	WIRE2_AVG [2/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180		@2010.00
		GRID: 398864.6209 1825652.3022 106.8342		
Rover		GEO: 44°36'04.92072"N 068°24'32.86872"W 48.6679		@2010.00
		GRID: 402306.5879 1826876.1516 129.2775		
R►B: 199°34'		3653.07	↓-22.44	
DUR: 0s		Sats: 8+6	UTC: 2016-05-20 21:14:18	
HRMS: 0.029		VRMS: 0.030	3dRMS: 0.042	95% Confidence Ellipse 
σ <sub>h</sub> : 0.059				
θ: 73°15'5"      σ <sub>a</sub> : 0.061      σ <sub>b</sub> : 0.037				
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: WIRE2_AVG [2/2] DefCode				
Cluster Average				
Project: 1624_Davis		Page: AVERAGED		Units: ft

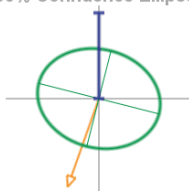


WIRE_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402299.6795 ft	1826869.8750 ft	139.2309 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE				
WGS84 (ITRF2008) @2005.0000			44°36'04.88860"N	068°24'32.96236"W	54.8437 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 14:45:24		Time UTC	05/20/2016 18:45:24	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	316	Satellites	6+4	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0409 ft	VRMS	0.1106 ft	3DRMS	0.1179 ft
HDOP	1.3144	PDOP	2.6759	GDOP	3.2555
95% Confidence Ellipse		σ <sub>a</sub> :0.079 ft	σ <sub>b</sub> :0.062 ft	θ:284°12'	σ <sub>h</sub> :0.217 ft

Report for Point:	WIRE_AVG [2/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°36'04.85305"N 068°24'32.95631"W 58.6212		@2010.00
		GRID: 402299.6795 1826869.8750 139.2309		
R►B: 199°31'		3644.46	↓-32.40	
DUR: 0s		Sats: 6+4	UTC: 2016-05-20 18:45:24	
HRMS: 0.041		VRMS: 0.111	3dRMS: 0.118	95% Confidence Ellipse 
HDOP: 1.314		VDOP: 2.331	PDOP: 2.676	
σ <sub>h</sub> : 0.217		TDOP: 1.854	GDOP: 3.255	
θ: 284°12'53"		σ <sub>a</sub> : 0.079	σ <sub>b</sub> : 0.062	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: WIRE_AVG [2/2] DefCode				
Cluster Average				
Project: 1624_Davis		Page: AVERAGED		Units: ft

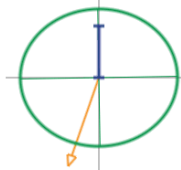


WIRE3_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402286.1612 ft	1826841.3764 ft	126.7394 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE3, WIRE4				
WGS84 (ITRF2008) @2005.0000			44°36'04.75759"N	068°24'33.35786"W	42.3517 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	193	Satellites	8+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0285 ft	VRMS	0.0352 ft	3DRMS	0.0453 ft
HDOP	0.9314	PDOP	1.5913	GDOP	1.8615
95% Confidence Ellipse		σ <sub>a</sub> :0.053 ft	σ <sub>b</sub> :0.046 ft	θ:89°3'	σ <sub>h</sub> :0.069 ft

Report for Point:	WIRE3_AVG [2/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUE06SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

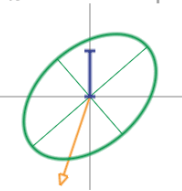
Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°36'04.72204"N 068°24'33.35180"W 46.1291		@2010.00
		GRID: 402286.1612 1826841.3764 126.7394		
R►B: 199°9'		3622.27	↓-19.90	
DUR: 0s		Sats: 8+5	UTC: 2016-05-20 21:14:18	
HRMS: 0.028		VRMS: 0.035	3dRMS: 0.045	<div>95% Confidence Ellipse</div> 
HDOP: 0.931		VDOP: 1.290	PDOP: 1.591	
σ <sub>h</sub> : 0.069		TDOP: 0.966	GDOP: 1.861	
θ: 89°3'29"		σ <sub>a</sub> : 0.053	σ <sub>b</sub> : 0.046	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: WIRE3_AVG [2/2] DefCode				
Cluster Average				
Project: 1624 Davis			Page: AVERAGED	
Units: ft				

WIRE5_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402242.5142 ft	1826784.5652 ft	118.6133 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE5, WIRE6, WIRE7				
WGS84 (ITRF2008) @2005.0000			44°36'04.33154"N	068°24'34.14829"W	34.2243 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	144	Satellites	6+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0213 ft	VRMS	0.0268 ft	3DRMS	0.0342 ft
HDOP	0.9134	PDOP	1.7190	GDOP	2.0378
95% Confidence Ellipse		σ <sub>a</sub> :0.044 ft	σ <sub>b</sub> :0.029 ft	θ:49°5'	σ <sub>h</sub> :0.052 ft

Report for Point:	WIRE5_AVG [2/4]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180		@2010.00
		GRID: 398864.6209 1825652.3022 106.8342		
Rover		GEO: 44°36'04.29600"N 068°24'34.14224"W 38.0018		@2010.00
		GRID: 402242.5142 1826784.5652 118.6133		
R►B: 198°31'		3562.61	↓-11.78	
DUR: 0s		Sats: 6+5	UTC: 2016-05-20 21:14:18	
HRMS: 0.021		VRMS: 0.027	3dRMS: 0.034	<div>95% Confidence Ellipse</div> 
HDOP: 0.913		VDOP: 1.456	PDOP: 1.719	
σ <sub>h</sub> : 0.052		TDOP: 1.094	GDOP: 2.038	
θ: 49°5'30"		σ <sub>a</sub> : 0.044	σ <sub>b</sub> : 0.029	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: WIRE5_AVG [2/4] DefCode				
Cluster Average				
Project: 1624_Davis			Page: AVERAGED	
Units: ft				

WIRE8_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402237.8297 ft	1826810.3836 ft	121.3462 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE8, WIRE9				
WGS84 (ITRF2008) @2005.0000			44°36'04.28305"N	068°24'33.79204"W	36.9580 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 15:36:55		Time UTC	05/20/2016 19:36:55	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	438	Satellites	7+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0219 ft	VRMS	0.0313 ft	3DRMS	0.0382 ft
HDOP	0.8526	PDOP	1.6253	GDOP	1.9182
95% Confidence Ellipse		σ <sub>a</sub> :0.040 ft	σ <sub>b</sub> :0.036 ft	θ:304°55'	σ <sub>h</sub> :0.061 ft

Report for Point:	WIRE8_AVG [2/3]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

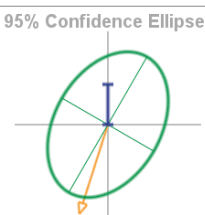
<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT
J-Field Version:	2.0.0.219	GNSS FW Version:	3.6.5.180420

Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183		@2010.00
		GRID: 398864.6205 1825652.3021 106.8345		
Rover		GEO: 44°36'04.24751"N 068°24'33.78599"W 40.7355		@2010.00
		GRID: 402237.8297 1826810.3836 121.3462		
R►B: 198°56'		3566.47	↓-14.51	
DUR: 0s		Sats: 7+5	UTC: 2016-05-20 19:36:55	
HRMS: 0.022		VRMS: 0.031	3dRMS: 0.038	<div>95% Confidence Ellipse</div>
HDOP: 0.853		VDOP: 1.384	PDOP: 1.625	
σ <sub>h</sub> : 0.061		TDOP: 1.019	GDOP: 1.918	
θ: 304°55'18"		σ <sub>a</sub> : 0.040	σ <sub>b</sub> : 0.036	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: WIRE8_AVG [2/3] DefCode				
Cluster Average				
Project: 1624_Davis			Page: AVERAGED	
Units: ft				

WIRE11_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402188.7558 ft	1826712.7599 ft	113.9244 ft
Page	AVERAGED	Code	DefCode	Tag	——
Notes	Averaged: WIRE11, WIRE12				
WGS84 (ITRF2008) @2005.0000			44°36'03.80696"N	068°24'35.14718"W	29.5340 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 16:37:25		Time UTC	05/20/2016 20:37:25	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	103	Satellites	7+4	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	——	Consistency	——
HRMS	0.0251 ft	VRMS	0.0267 ft	3DRMS	0.0367 ft
HDOP	1.1064	PDOP	2.0390	GDOP	2.4640
95% Confidence Ellipse		$\sigma_a$ :0.051 ft	$\sigma_b$ :0.035 ft	$\theta$ :29°59'	$\sigma_h$ :0.052 ft

Report for Point:	WIRE11_AVG [2/3]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°36'03.77141"N 068°24'35.14112"W 33.3115	@2010.00
	GRID: 402188.7558 1826712.7599 113.9244	
R>B: 197°41'	3489.19	↓-7.09
DUR: 0s	Sats: 7+4	UTC: 2016-05-20 20:37:25
HRMS: 0.025	VRMS: 0.027	3dRMS: 0.037
HDOP: 1.106	VDOP: 1.713	PDOP: 2.039
$\sigma_h$ : 0.052	TDOP: 1.383	GDOP: 2.464
$\theta$ : 29°59'45"	$\sigma_a$ : 0.051	$\sigma_b$ : 0.035
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: WIRE11_AVG [2/3] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft



WIRE13_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402209.8205 ft	1826749.0845 ft	116.0044 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE13				
WGS84 (ITRF2008) @2005.0000			44°36'04.01180"N	068°24'34.64261"W	31.6148 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	675	Satellites	9+6	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0373 ft	VRMS	0.0473 ft	3DRMS	0.0603 ft
HDOP	0.0000	PDOP	0.0000	GDOP	0.0000
95% Confidence Ellipse		$\sigma_a$ :0.083 ft	$\sigma_b$ :0.039 ft	$\theta$ :67°50'	$\sigma_h$ :0.093 ft

Report for Point:	WIRE13_AVG [1/1]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

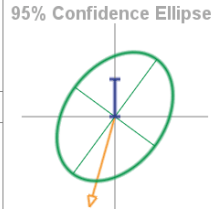
Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180	@2010.00
	GRID: 398864.6209 1825652.3022 106.8342	
Rover	GEO: 44°36'03.97626"N 068°24'34.63656"W 35.3922	@2010.00
	GRID: 402209.8205 1826749.0845 116.0044	
R>B: 198°9'	3520.41	↓-9.17
DUR: 0s	Sats: 9+6	UTC: 2016-05-20 21:14:18
HRMS: 0.037	VRMS: 0.047	3dRMS: 0.060
95% Confidence Ellipse		
$\sigma_h$ : 0.093		
$\theta$ : 67°50'1" $\sigma_a$ : 0.083 $\sigma_b$ : 0.039		
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: WIRE13_AVG [1/1] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft



WIRE14_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402133.0961 ft	1826573.0358 ft	109.1280 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE14, WIRE15, WIRE16				
WGS84 (ITRF2008) @2005.0000			44°36'03.26947"N	068°24'37.08494"W	24.7343 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	170	Satellites	6+4	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0156 ft	VRMS	0.0168 ft	3DRMS	0.0229 ft
HDOP	1.1026	PDOP	1.9266	GDOP	2.2953
95% Confidence Ellipse		$\sigma_a$ :0.031 ft	$\sigma_b$ :0.022 ft	$\theta$ :36°18'	$\sigma_h$ :0.033 ft

Report for Point:	WIRE14_AVG [2/4]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

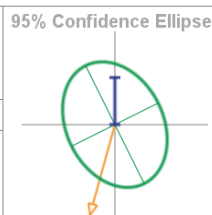
Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°36'03.23393"N 068°24'37.07888"W 28.5117	@2010.00
	GRID: 402133.0961 1826573.0358 109.1280	
R►B: 195°43'	3395.69	↓-2.29
DUR: 0s	Sats: 6+4	UTC: 2016-05-20 21:14:18
HRMS: 0.016	VRMS: 0.017	3dRMS: 0.023
HDOP: 1.103	VDOP: 1.580	PDOP: 1.927
$\sigma_h$ : 0.033	TDOP: 1.248	GDOP: 2.295
$\theta$ : 36°18'23"	$\sigma_a$ : 0.031	$\sigma_b$ : 0.022
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: WIRE14_AVG [2/4] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft



WIRE17_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402125.5914 ft	1826553.2023 ft	108.8717 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE17, WIRE18, WIRE19, WIRE20				
WGS84 (ITRF2008) @2005.0000			44°36'03.19709"N	068°24'37.35995"W	24.4775 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 17:02:21		Time UTC	05/20/2016 21:02:21	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	126	Satellites	7+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0120 ft	VRMS	0.0173 ft	3DRMS	0.0210 ft
HDOP	0.9735	PDOP	1.7927	GDOP	2.1318
95% Confidence Ellipse		$\sigma_a$ :0.024 ft	$\sigma_b$ :0.017 ft	$\theta$ :333°34'	$\sigma_h$ :0.034 ft

Report for Point:	WIRE17_AVG [2/5]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYH0EA9DT

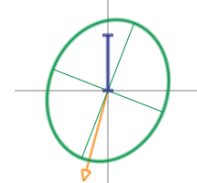
Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°36'03.16154"N 068°24'37.35390"W 28.2550	@2010.00
	GRID: 402125.5914 1826553.2023 108.8717	
R►B: 195°26'	3383.13	↓-2.04
DUR: 0s	Sats: 7+5	UTC: 2016-05-20 21:02:21
HRMS: 0.012	VRMS: 0.017	3dRMS: 0.021
HDOP: 0.974	VDOP: 1.505	PDOP: 1.793
$\sigma_h$ : 0.034	TDOP: 1.153	GDOP: 2.132
$\theta$ : 333°34'38"	$\sigma_a$ : 0.024	$\sigma_b$ : 0.017
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: WIRE17_AVG [2/5] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft



WIRE21_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402112.2680 ft	1826529.6122 ft	107.8413 ft
Page	AVERAGED	Code	DefCode	Tag	——
Notes	Averaged: WIRE21, WIRE22				
WGS84 (ITRF2008) @2005.0000			44°36'03.06758"N	068°24'37.68758"W	23.4466 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 17:10:09		Time UTC	05/20/2016 21:10:09	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	817	Satellites	6+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	——	Consistency	——
HRMS	0.0180 ft	VRMS	0.0267 ft	3DRMS	0.0322 ft
HDOP	0.9823	PDOP	1.7941	GDOP	2.1274
95% Confidence Ellipse		$\sigma_a$ :0.034 ft	$\sigma_b$ :0.028 ft	$\theta$ :21°13'	$\sigma_h$ :0.052 ft

Report for Point:	WIRE21_AVG [1/1]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°36'03.03203"N 068°24'37.68153"W 27.2241	@2010.00
	GRID: 402112.2680 1826529.6122 107.8413	
R-B: 195°7'	3364.06	-1.01
DUR: 0s	Sats: 6+5	UTC: 2016-05-20 21:10:09
HRMS: 0.018	VRMS: 0.027	3dRMS: 0.032
HDOP: 0.982	VDOP: 1.501	PDOP: 1.794
$\sigma_h$ : 0.052	TDOP: 1.143	GDOP: 2.127
$\theta$ : 21°13'56"	$\sigma_a$ : 0.034	$\sigma_b$ : 0.028
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: WIRE21_AVG [1/1] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft

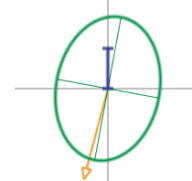




WIRE23_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402099.6328 ft	1826511.1031 ft	107.3429 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE23, WIRE24				
WGS84 (ITRF2008) @2005.0000			44°36'02.94442"N	068°24'37.94491"W	22.9478 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 17:14:18		Time UTC	05/20/2016 21:14:18	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	113	Satellites	8+5	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0173 ft	VRMS	0.0195 ft	3DRMS	0.0260 ft
HDOP	0.9278	PDOP	1.6555	GDOP	1.9419
95% Confidence Ellipse		$\sigma_a$ :0.034 ft	$\sigma_b$ :0.025 ft	$\theta$ :10°27'	$\sigma_h$ :0.038 ft

Report for Point:	WIRE23_AVG [2/3]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYH0EA9DT

Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180	@2010.00
	GRID: 398864.6209 1825652.3022 106.8342	
Rover	GEO: 44°36'02.90887"N 068°24'37.93886"W 26.7253	@2010.00
	GRID: 402099.6328 1826511.1031 107.3429	
R►B: 194°52'	3347.06	↓-0.51
DUR: 0s	Sats: 8+5	UTC: 2016-05-20 21:14:18
HRMS: 0.017	VRMS: 0.019	3dRMS: 0.026
HDOP: 0.928	VDOP: 1.371	PDOP: 1.655
$\sigma_h$ : 0.038	TDOP: 1.015	GDOP: 1.942
$\theta$ : 10°27'50"	$\sigma_a$ : 0.034	$\sigma_b$ : 0.025
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: WIRE23_AVG [2/3] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft

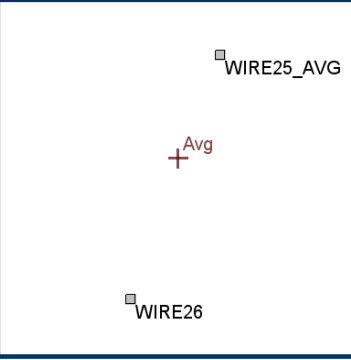


WIRE25_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402079.1329 ft	1826479.7297 ft	105.8524 ft
Page	AVERAGED	Code	DefCode	Tag	——
Notes	Averaged: WIRE25, WIRE26				
WGS84 (ITRF2008) @2005.0000			44°36'02.74472"N	068°24'38.38098"W	21.4567 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 17:23:45		Time UTC	05/20/2016 21:23:45	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	569	Satellites	8+6	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	——	Consistency	——
HRMS	0.0182 ft	VRMS	0.0314 ft	3DRMS	0.0363 ft
HDOP	0.7783	PDOP	1.4784	GDOP	1.7164
95% Confidence Ellipse		σ <sub>a</sub> :0.036 ft	σ <sub>b</sub> :0.026 ft	θ:33°3'	σ <sub>h</sub> :0.062 ft

Report for Point:	WIRE25_AVG [1/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT



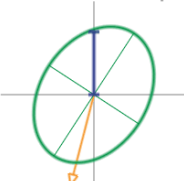
**Average of 2 points**

**Spread:**  
N: 0.009 ft  
E: 0.003 ft  
U: 0.027 ft

**Average Point:**  
402079.1293 ft  
1826479.7283 ft  
105.8631 ft

Save Average

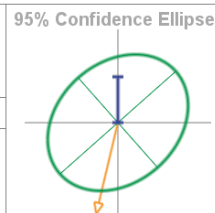
Dist. Threshold  
0.328 ft

Base		GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180		@2010.00
		GRID: 398864.6209 1825652.3022 106.8342		
Rover		GEO: 44°36'02.70917"N 068°24'38.37492"W 25.2342		@2010.00
		GRID: 402079.1329 1826479.7297 105.8524		
R►B: 194°26'		3319.30	↓0.98	
DUR: 0s		Sats: 8+6	UTC: 2016-05-20 21:23:45	
HRMS: 0.018		VRMS: 0.031	3dRMS: 0.036	<div>95% Confidence Ellipse</div> 
HDOP: 0.778		VDOP: 1.257	PDOP: 1.478	
σ <sub>h</sub> : 0.062		TDOP: 0.872	GDOP: 1.716	
θ: 33°3'13"		σ <sub>a</sub> : 0.036	σ <sub>b</sub> : 0.026	
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE				
Point: WIRE25_AVG [1/2] DefCode				
Cluster Average				
Project: 1624_Davis		Page: AVERAGED		Units: ft

WIRE27_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402039.3879 ft	1826407.6341 ft	105.5654 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE27, WIRE28				
WGS84 (ITRF2008) @2005.0000			44°36'02.35851"N	068°24'39.38216"W	21.1680 ft
Base			398864.6205 ft	1825652.3021 ft	106.8345 ft
Local Time	05/20/2016 17:28:50		Time UTC	05/20/2016 21:28:50	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	156	Satellites	7+6	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0246 ft	VRMS	0.0288 ft	3DRMS	0.0379 ft
HDOP	0.8326	PDOP	1.6312	GDOP	1.9135
95% Confidence Ellipse		$\sigma_a$ :0.048 ft	$\sigma_b$ :0.037 ft	$\theta$ :48°27'	$\sigma_h$ :0.057 ft

Report for Point:	WIRE27_AVG [2/3]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)
Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		
Receiver Information			
Organization:	Horizon Surveying Co., Inc.	Operator:	VkB
Receiver Name:	VkB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZZ9L611LGYHOEA9DT

Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2183	@2010.00
	GRID: 398864.6205 1825652.3021 106.8345	
Rover	GEO: 44°36'02.32297"N 068°24'39.37611"W 24.9455	@2010.00
	GRID: 402039.3879 1826407.6341 105.5654	
R►B: 193°22'	3263.38	↓1.27
DUR: 0s	Sats: 7+6	UTC: 2016-05-20 21:28:50
HRMS: 0.025	VRMS: 0.029	3dRMS: 0.038
HDOP: 0.833	VDOP: 1.403	PDOP: 1.631
$\sigma_h$ : 0.057	TDOP: 1.000	GDOP: 1.913
$\theta$ : 48°27'39"	$\sigma_a$ : 0.048	$\sigma_b$ : 0.037
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: WIRE27_AVG [2/3] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft

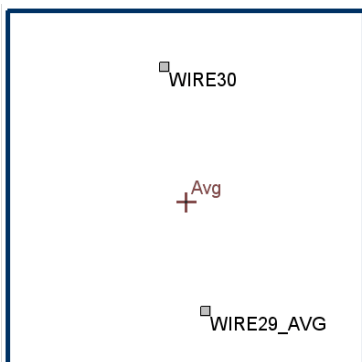


WIRE29_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		402026.0650 ft	1826387.3098 ft	104.4812 ft
Page	AVERAGED	Code	DefCode	Tag	_____
Notes	Averaged: WIRE29, WIRE30				
WGS84 (ITRF2008) @2005.0000			44°36'02.22872"N	068°24'39.66466"W	20.0834 ft
Base			398864.6209 ft	1825652.3022 ft	106.8342 ft
Local Time	05/20/2016 17:36:09		Time UTC	05/20/2016 21:36:09	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.3478 ft
Epochs	235	Satellites	8+6	Duration	0.000 sec
Solution	Fixed / RTK	Confidence	_____	Consistency	_____
HRMS	0.0206 ft	VRMS	0.0381 ft	3DRMS	0.0433 ft
HDOP	0.7878	PDOP	1.4271	GDOP	1.6444
95% Confidence Ellipse		σ <sub>a</sub> :0.042 ft	σ <sub>b</sub> :0.028 ft	θ:25°26'	σ <sub>h</sub> :0.075 ft

Report for Point:	WIRE29_AVG [1/2]	Page:	AVERAGED
Description:	Cluster Average		
Code:	DefCode	ShapeTag:	(N/A)

<b>Settings</b>			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 2 engines	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

<b>Receiver Information</b>			
Organization:	Horizon Surveying Co., Inc.	Operator:	VKB
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUEO6SZ9L611LGYHOEA9DT

**Average of 2 points****Spread:**

N: 0.013 ft

E: 0.002 ft

U: 0.017 ft

**Average Point:**

402026.0708 ft

1826387.3087 ft

104.4739 ft

Save Average

Dist. Threshold  
0.328 ft

Base	GEO: 44°35'31.04096"N 068°24'50.19724"W 26.2180	@2010.00
	GRID: 398864.6209 1825652.3022 106.8342	
Rover	GEO: 44°36'02.19318"N 068°24'39.65860"W 23.8609	@2010.00
	GRID: 402026.0650 1826387.3098 104.4812	
R►B: 193°5'	3245.76	↓2.35
DUR: 0s	Sats: 8+6	UTC: 2016-05-20 21:36:09
HRMS: 0.021	VRMS: 0.038	3dRMS: 0.043
HDOP: 0.788	VDOP: 1.190	PDOP: 1.427
σ <sub>h</sub> : 0.075	TDOP: 0.817	GDOP: 1.644
θ: 25°26'24"	σ <sub>a</sub> : 0.042	σ <sub>b</sub> : 0.028
ANT: HGT:5.348ft JAVTRIUMPH_LSA NONE		
Point: WIRE29_AVG [1/2] DefCode		
Cluster Average		
Project: 1624_Davis	Page: AVERAGED	Units: ft

**95% Confidence Ellipse**