

Project 1822Bellis
Organization Horizon Surveying Co.
Operator V. Kelly Bellis
Created 2018-08-07 12:43:49



Receiver Name VKB
Receiver S/N 00227
Receiver ID 1WUDUEO6SZZ9L611LGYHOEA9DT
J-Field Version 3.0.0.193
GNSS FW Version 3.7.4.180724

Coordinate System	NAD83(2011) / Maine CS2000 East 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"		
HTDP WGS84(ITRF2008) to NAD83(2011) / NAVD 88 / Maine CS2000 East zone			
Area	43°58'12"N...47°22'12"N × 068°22'48"W...066°53'24"W		
Geoid			
Geoid model file	geoid12b_conus.db3		
Transverse Mercator			
Latitude of Origin	43°49'59.99961"N	Central Meridian	067°52'29.99297"W
Scale Factor	0.999979973	False Easting	2296583.3333 ft
False Northing	0.0 ft	Semi-major axis	20925604.4742 ft
Flattening	0.003352811	Prime meridian	000°00'00.00000"E
Forward	on		

17U-01	Code and Description		Northing	Easting	Ortho Height
@2010.0000	_____		259731.4701 ft	2155236.1904 ft	147.6591 ft
Page	CONTROL	Code	_____	Tag	_____
WGS84 (ITRF2008) @2018.5000			44°32'40.33444"N	068°25'01.72926"W	63.3917 ft
Base			259731.4701 ft	2155236.1904 ft	147.6591 ft
Local Time			2018-08-07 13:00:08	Time UTC	
Antenna			JAVTRIUMPH_2A NONE	Vertical Antenna Height	
				6.6437 ft	
Epochs	4294967295	Satellites	_____	Duration	0.000 sec
Solution	Undefined / RTK	Confidence	0.000	Consistency	0.000
HRMS	0.0000 ft	VRMS	0.0000 ft	3DRMS	0.0000 ft
HDOP	0.0000	PDOP	0.0000	GDOP	0.0000
Raw Files			17U-01_130010.jpg		

17U-01

Previous Next

Base

KNOWN

CORS

0-Local

N, ft

259731.470

E, ft

2155236.190

U, ft

147.659

HRMS, ft

VRMS, ft

Epochs / s

N/A

Sats

Stat

Back

Σ

i

Σ

i

Disconnect

Stop Base

01s 2ep 1s

Rover: Triumph-LS VKB

Base: TRIUMPH2 00089

464.55

Base ID: 0

Ref. Frame: WGS84(ITRF2008)

Format: RTCM 3.0 Min

Period: 1 Sec

Frequency: 464.55000 MHz

Mod., Band: DQPSK, 12.5 KHz

Out. Power: 35000/45 mW/dBm

Guards: 50mG, 5°, 5cm

[Entered] 17U-01

N 381566.1155ft 2D Delta: 3.94 ft

E 1824968.8436ft Δ H: 3.97 ft

H 147.6590ft Azimuth: 4.77°

HTDP NAD83(2011) / Maine CS2000

Central | NAVD 88

Ant. Type: JAVTRIUMPH_2A NONE

Ant. Height: 6.644 ft Vertical

From Base

To Base

Recall

DPOS

Done

Report for Point:	17U-01 [1/1]	Page:	CONTROL
Description:	(N/A)		
Code:	(N/A)	ShapeTag:	(N/A)

Settings			
Accept:	Only RTK Fixed	Verify:	Verify [2]/with V6 reset
Validate Result:	with at least 1 engine	Correct for Tilts:	No
Confidence:	0	Consistency:	0
Duration:	0.0 s		

Receiver Information			
Organization:	Horizon Surveying Co.	Operator:	V. Kelly Bellis
Receiver Name:	VKB	Code:	(N/A)
S/N:	00227	ID:	1WUDUE06SZ9L611LGYH0EA9DT
J-Field Version:	3.0.0.193	GNSS FW Version:	3.7.4.180724

Base	GEO: 44°32'40.29603"N 068°25'01.71383"W 67.1751	@2010.00
	GRID: 381566.1160 1824968.8437 147.6591	
Rover	GEO: 44°32'40.29603"N 068°25'01.71383"W 67.1751	@2010.00
	GRID: 381566.1160 1824968.8437 147.6591	

DUR: 0s Sats: 0+0 UTC: 2018-08-07 17:00:08

HRMS: 0.000 VRMS: 0.000 3dRMS: 0.000 95% Confidence Ellipse

σ_h: _____

θ: _____ σ_a: _____ σ_b: _____

ANT: HGT: 6.644ft JAVTRIUMPH_2A NONE

Point: 17U-01 [1/1]

Project: 1822Bellis Page: CONTROL Units: ft

STONE1-01_AVG		Code and Description		Northing	Easting	Ortho Height
@2010.0000		Cluster Average		260237.5142 ft	2155541.6699 ft	177.8339 ft
Page	AVG1	Code		DefCode	Tag	_____
Notes		Averaged: STONE1-01, STONE1-02, STONE1-03, STONE1-04, STONE1-05, STONE1-06, STONE1-07, STONE1-08, STONE1-09				
WGS84 (ITRF2008) @2018.5000				44°32'45.35124"N	068°24'57.55768"W	93.5720 ft
Base				259731.4696 ft	2155236.1902 ft	147.6593 ft
Local Time	2018-08-07 13:19:09			Time UTC	2018-08-07 17:19:09	
Antenna	JAVTRIUMPH_LSA NONE			Vertical Antenna Height		5.0200 ft
Epochs	430	Satellites	6+5	Duration	129.800 sec	
Solution	Fixed / RTK	Confidence	0.000	Consistency	0.000	
HRMS	0.0044 ft	VRMS	0.0051 ft	3DRMS	0.0068 ft	
HDOP	0.9864	PDOP	1.8878	GDOP	2.2102	
95% Confidence Ellipse		σ _a :0.008 ft	ob:0.007 ft	θ:8°16'7"	oh:0.010 ft	

STONE1-01_AVG, DefCode, Cluster Average

Previous

Next

ABS	RTK _{BCP}	PPK _{BCP}	CORS	0-Local
N, ft				
E, ft				
U, ft				
HRMS, ft				
VRMS, ft				
Epochs / s				
Sats				
Stat				

Back



RERF-08_AVG, DefCode, Cluster Average

Previous

Next

AUTO	RTK Fixed	PPK
N, ft	259794.157	
E, ft	2155236.361	
U, ft	149.598	
HRMS, ft	0.00409	
VRMS, ft	0.00587	
Epochs / s	1149 / 702	
Sats	6+5	
Stat		

Back



STONE1-01_AVG, DefCode, Cluster Average

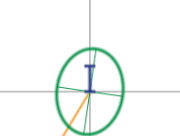
Previous

Next

AUTO	RTK Fixed	PPK
N, ft	260237.514	
E, ft	2155541.669	
U, ft	177.833	
HRMS, ft	0.00438	
VRMS, ft	0.00514	
Epochs / s	430 / 130	
Sats	6+5	
Stat		

Back



Base		GEO: 44°32'40.29603"N 068°25'01.71384"W 67.1753		@2010.00
		GRID: 259731.4696 2155236.1902 147.6593		
Rover		GEO: 44°32'45.31284"N 068°24'57.54226"W 97.3552		@2010.00
		GRID: 260237.5142 2155541.6699 177.8339		
R►B: 211°7'		591.10	±30.17	
DUR: 130s		Sats: 6+5	UTC: 2018-08-07 17:19:09	
HRMS: 0.004		VRMS: 0.005	3dRMS: 0.007	<div>95% Confidence Ellipse</div> 
HDOP: 0.986		VDOP: 1.610	PDOP: 1.888	
σ _h : 0.010		TDOP: 1.149	GDOP: 2.210	
θ: 8°16'7"		σ _a : 0.008	σ _b : 0.007	
ANT: HGT:5.020ft JAVTRIUMPH_LSA NONE				
Point: STONE1-01_AVG [1/1] DefCode				
Cluster Average				
Project: 1822Bellis		Page: AVG1		Units: ft

RERF-01_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		259848.0074 ft	2155218.2059 ft	150.9158 ft
Page	AVG1	Code	DefCode	Tag	_____
Notes	Averaged: RERF-01, RERF-02, RERF-03, RERF-04, RERF-05, RERF-06				
WGS84 (ITRF2008) @2018.5000			44°32'41.48398"N	068°25'01.98826"W	66.6472 ft
Base			259731.4696 ft	2155236.1902 ft	147.6593 ft
Local Time	2018-08-07 13:33:22		Time UTC	2018-08-07 17:33:22	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.0200 ft
Epochs	241	Satellites	6+5	Duration	296.000 sec
Solution	Fixed / RTK	Confidence	0.000	Consistency	0.000
HRMS	0.0089 ft	VRMS	0.0095 ft	3DRMS	0.0130 ft
HDOP	0.8682	PDOP	1.5391	GDOP	1.7558
95% Confidence Ellipse		σa:0.019 ft	σb:0.011 ft	θ:358°19'45"	σh:0.019 ft

RERF-01_AVG, DefCode, Cluster Average

Previous Next

ABS	RTK _{BCP}	PPK _{BCP}	CORS	0-Local
N, ft				
E, ft				
U, ft				
HRMS, ft				
VRMS, ft				
Epochs / s				
Sats				
Stat				

Back

17U-01

Previous Next

Base	KNOWN	CORS	0-Local
N, ft	259731.470		
E, ft	2155236.190		
U, ft	147.659		
HRMS, ft			
VRMS, ft			
Epochs / s	N/A		
Sats			
Stat			

Back

RERF-01_AVG, DefCode, Cluster Average

Previous Next

AUTO	RTK Fixed	PPK
N, ft	259848.007	
E, ft	2155218.205	
U, ft	150.915	
HRMS, ft	0.00887	
VRMS, ft	0.00953	
Epochs / s	241 / 296	
Sats	6+5	
Stat		

Back

Base GEO: 44°32'40.29603"N 068°25'01.71384"W 67.1753 @2010.00
GRID: 259731.4696 2155236.1902 147.6593

Rover GEO: 44°32'41.44557"N 068°25'01.97283"W 70.4305 @2010.00
GRID: 259848.0074 2155218.2059 150.9158

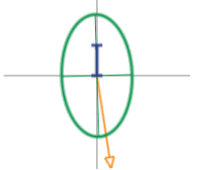
R>B: 171°13' 117.92 -3.26

DUR: 296s Sats: 6+5 UTC: 2018-08-07 17:33:22

HRMS: 0.009 VRMS: 0.010 3dRMS: 0.013
HDOP: 0.868 VDOP: 1.271 PDOP: 1.539
σ_h: 0.019 TDOP: 0.845 GDOP: 1.756
θ: 358°19'45" σ_a: 0.019 σ_b: 0.011

ANT: HGT:5.020ft JAVTRIUMPH_LSA NONE
Point: RERF-01_AVG [1/1] DefCode
Cluster Average

Project: 1822Bellis Page: AVG1 Units: ft



RERF-07_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		259847.7266 ft	2155217.7944 ft	150.3092 ft
Page	AVG1	Code	DefCode	Tag	_____
Notes	Averaged: RERF-07				
WGS84 (ITRF2008) @2018.5000			44°32'41.48118"N	068°25'01.99392"W	66.0405 ft
Base			259731.4696 ft	2155236.1902 ft	147.6593 ft
Local Time	2018-08-07 13:37:42		Time UTC	2018-08-07 17:37:42	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.0200 ft
Epochs	68	Satellites	7+6	Duration	177.000 sec
Solution	Fixed / RTK	Confidence	0.000	Consistency	0.000
HRMS	0.0242 ft	VRMS	0.0326 ft	3DRMS	0.0406 ft
HDOP	0.8291	PDOP	1.4821	GDOP	1.6882
95% Confidence Ellipse		σa:0.051 ft	σb:0.031 ft	θ:356°11'37"	σh:0.064 ft

RERF-07_AVG, DefCode, Cluster Average

Previous Next

ABS	RTK _{BCP}	PPK _{BCP}	CORS	0-Local
N, ft				
E, ft				
U, ft				
HRMS, ft				
VRMS, ft				
Epochs / s				
Sats				
Stat				

Back

RERF-01_AVG, DefCode, Cluster Average

Previous Next

AUTO	RTK Fixed	PPK
N, ft	259848.007	
E, ft	2155218.205	
U, ft	150.915	
HRMS, ft	0.00887	
VRMS, ft	0.00953	
Epochs / s	241 / 296	
Sats	6+5	
Stat		

Back

RERF-07_AVG, DefCode, Cluster Average

Previous Next

AUTO	RTK Fixed	PPK
N, ft	259847.726	
E, ft	2155217.794	
U, ft	150.309	
HRMS, ft	0.02417	
VRMS, ft	0.03256	
Epochs / s	68 / 177	
Sats	7+6	
Stat		

Back

Base GEO: 44°32'40.29603"N 068°25'01.71384"W 67.1753 @2010.00
 GRID: 259731.4696 2155236.1902 147.6593

Rover GEO: 44°32'41.44277"N 068°25'01.97849"W 69.8238 @2010.00
 GRID: 259847.7266 2155217.7944 150.3092

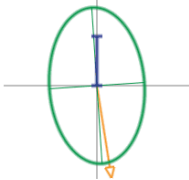
R>B: 171°0' 117.70 -2.65

DUR: 177s Sats: 7+6 UTC: 2018-08-07 17:37:42

HRMS: 0.024 VRMS: 0.033 3dRMS: 0.041
 HDOP: 0.829 VDOP: 1.228 PDOP: 1.482
 σ_h: 0.064 TDOP: 0.808 GDOP: 1.688
 θ: 356°11'37" σ_a: 0.051 σ_b: 0.031

ANT: HGT:5.020ft JAVTRIUMPH_LSA NONE
 Point: RERF-07_AVG [1/1] DefCode
 Cluster Average

Project: 1822Bellis Page: AVG1 Units: ft



URSA-01_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		259736.5618 ft	2155283.5870 ft	152.6511 ft
Page	AVG1	Code	DefCode	Tag	_____
Notes	Averaged: URSA-01, URSA-02, URSA-03, URSA-04, URSA-05, URSA-06, URSA-07, URSA-08, URSA-09, URSA-10, URSA-11, URSA-12, URSA-13, URSA-14, URSA-15, URSA-16, URSA-17, URSA-18, URSA-19, URSA-20, URSA-21, URSA-22, URSA-23, URSA-24, URSA-25, URSA-26, URSA-27, URSA-28, URSA-29, URSA-30, ..., URSA-31, URSA-32, URSA-33, URSA-34, URSA-35, URSA-36, URSA-37, URSA-38, URSA-39, URSA-40, URSA-41, URSA-42, URSA-43, URSA-44, URSA-45, URSA-46, URSA-47, URSA-48, URSA-49, URSA-50, URSA-51, URSA-52, URSA-53, URSA-54, URSA-55, URSA-56, URSA-57, URSA-58, URSA-59, URSA-60, URSA-61, URSA-62, URSA-63, URSA-64, URSA-65, URSA-66, URSA-67, URSA-68, URSA-69, URSA-70, URSA-71, URSA-72, URSA-73, URSA-74, URSA-75, URSA-76, URSA-77, URSA-78, URSA-79, URSA-80, URSA-81, URSA-82, URSA-83, URSA-84, URSA-85, URSA-86, URSA-87, URSA-88, URSA-89, URSA-90, URSA-91, URSA-92, URSA-93, URSA-94, URSA-95, URSA-96, URSA-97, URSA-98, URSA-99, URSA-100, URSA-101, URSA-102, URSA-103, URSA-104, URSA-105, URSA-106, URSA-107, URSA-108, URSA-109, URSA-110, URSA-111, URSA-112, URSA-113, URSA-114, URSA-115, URSA-116, URSA-117, URSA-118, URSA-119, URSA-120, URSA-121, URSA-122, URSA-123, URSA-124, URSA-125, URSA-126, URSA-127, URSA-128, URSA-129, URSA-130				
WGS84 (ITRF2008) @2018.5000			44°32'40.38782"N	068°25'01.07531"W	68.3851 ft
Base			259731.4696 ft	2155236.1902 ft	147.6593 ft
Local Time	2018-08-07 14:26:08		Time UTC	2018-08-07 18:26:08	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.0200 ft
Epochs	6168	Satellites	4+5	Duration	2331.800 sec
Solution	Fixed / RTK	Confidence	0.000	Consistency	0.000
HRMS	0.0018 ft	VRMS	0.0023 ft	3DRMS	0.0029 ft
HDOP	0.9490	PDOP	1.7101	GDOP	1.9652
95% Confidence Ellipse		σ _a :0.004 ft	σ _b :0.002 ft	θ:334°25'32"	σ _h :0.004 ft

URSA-01_AVG, DefCode, Cluster Average

Previous

Next

ABS	RTK _{BCP}	PPK _{BCP}	CORS	0-Local
N, ft				
E, ft				
U, ft				
HRMS, ft				
VRMS, ft				
Epochs / s				
Sats				
Stat				
Back	Σ	i	Σ	i

STONE1-01_AVG, DefCode, Cluster Average

Previous

Next

AUTO	RTK Fixed	PPK
N, ft	260237.514	
E, ft	2155541.669	
U, ft	177.833	
HRMS, ft	0.00438	
VRMS, ft	0.00514	
Epochs / s	430 / 130	
Sats	6+5	
Stat		
Back	Σ	i

URSA-01_AVG, DefCode, Cluster Average

Previous

Next

AUTO	RTK Fixed	PPK
N, ft	259736.561	
E, ft	2155283.587	
U, ft	152.651	
HRMS, ft	0.00181	
VRMS, ft	0.00229	
Epochs / s	6168 / 2332	
Sats	4+5	
Stat		
Back	Σ	i

Base			GEO: 44°32'40.29603"N 068°25'01.71384"W 67.1753	@2010.00
			GRID: 259731.4696 2155236.1902 147.6593	
Rover			GEO: 44°32'40.34942"N 068°25'01.05988"W 72.1684	@2010.00
			GRID: 259736.5618 2155283.5870 152.6511	
R>B: 263°52'			47.67	±4.99
DUR: 2.33e+03s			Sats: 4+5	UTC: 2018-08-07 18:26:08
HRMS: 0.002			VRMS: 0.002	3dRMS: 0.003
HDOP: 0.949			VDOP: 1.423	PDOP: 1.710
σ _h : 0.004			TDOP: 0.968	GDOP: 1.965
θ: 334°25'32"			σ _a : 0.004	σ _b : 0.002
ANT: HGT:5.020ft JAVTRIUMPH_LSA NONE				
Point: URSA-01_AVG [1/1] DefCode				
Cluster Average				
Project: 1822Bellis			Page: AVG1	Units: ft

RERF-08_AVG	Code and Description		Northing	Easting	Ortho Height
@2010.0000	Cluster Average		259794.1572 ft	2155236.3616 ft	149.5983 ft
Page	AVG1	Code	DefCode	Tag	_____
Notes	Averaged: RERF-08, RERF-09, RERF-10, RERF-11, RERF-12, RERF-13, RERF-14, RERF-15, RERF-16, RERF-17, RERF-18, RERF-19, RERF-20, RERF-21, RERF-22, RERF-23, RERF-24, RERF-25, RERF-26, RERF-27, RERF-28, RERF-29, RERF-30, RERF-31, RERF-32, RERF-33, RERF-34				
WGS84 (ITRF2008) @2018.5000			44°32'40.95344"N	068°25'01.73264"W	65.3305 ft
Base			259731.4696 ft	2155236.1902 ft	147.6593 ft
Local Time	2018-08-07 14:40:23		Time UTC	2018-08-07 18:40:23	
Antenna	JAVTRIUMPH_LSA NONE		Vertical Antenna Height		5.0200 ft
Epochs	1149	Satellites	6+5	Duration	702.000 sec
Solution	Fixed / RTK	Confidence	0.000	Consistency	0.000
HRMS	0.0041 ft	VRMS	0.0059 ft	3DRMS	0.0072 ft
HDOP	0.8352	PDOP	1.5036	GDOP	1.7142
95% Confidence Ellipse		σ _a :0.009 ft	σ _b :0.005 ft	θ:351°6'32"	σ _h :0.012 ft

RERF-08_AVG, DefCode, Cluster Average

Previous

Next



ABS	RTK _{BCP}	PPK _{BCP}	CORS	0-Local
N, ft				
E, ft				
U, ft				
HRMS, ft				
VRMS, ft				
Epochs / s				
Sats				
Stat				

Back



RERF-08_AVG, DefCode, Cluster Average

Previous

Next



AUTO	RTK Fixed	PPK
N, ft	259794.157	
E, ft	2155236.361	
U, ft	149.598	
HRMS, ft	0.00409	
VRMS, ft	0.00587	
Epochs / s	1149 / 702	
Sats	6+5	
Stat		

Back



RERF-07_AVG, DefCode, Cluster Average

Previous

Next



AUTO	RTK Fixed	PPK
N, ft	259847.726	
E, ft	2155217.794	
U, ft	150.309	
HRMS, ft	0.02417	
VRMS, ft	0.03256	
Epochs / s	68 / 177	
Sats	7+6	
Stat		

Back



Base	GEO: 44°32'40.29603"N 068°25'01.71384"W 67.1753	@2010.00
	GRID: 259731.4696 2155236.1902 147.6593	
Rover	GEO: 44°32'40.91503"N 068°25'01.71722"W 69.1138	@2010.00
	GRID: 259794.1572 2155236.3616 149.5983	
R>B: 180°9'	62.69	±1.94
DUR: 702s	Sats: 6+5	UTC: 2018-08-07 18:40:23
HRMS: 0.004	VRMS: 0.006	3dRMS: 0.007
HDOP: 0.835	VDOP: 1.250	PDOP: 1.504
σ _h : 0.012	TDOP: 0.823	GDOP: 1.714
θ: 351°6'32"	σ _a : 0.009	σ _b : 0.005
ANT: HGT:5.020ft JAVTRIUMPH_LSA NONE		
Point: RERF-08_AVG [1/1] DefCode		
Cluster Average		
Project: 1822Bellis	Page: AVG1	Units: ft

