



**USGS – Jean Lafitte Barataria
Survey Report**

Contract No. G10PC00093
Task Order No. G13PD00214

January, 2014

Prime Contractor

Digital Aerial Solutions (DAS)
8409 Laurel Fair circle, Suite 100
Tampa, Florida 33610



Sub-Contractor

Maptech, Inc.
3181 Greenfield
Rd.
Jackson, Mississippi
39208

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INTRODUCTION & SPECIFICATIONS

The purpose of this project was to provide ground truth data which will be used to validate LiDAR Data for the Jean Lafitte and Barataria Project located in Barataria Basin, Louisiana. Maptech, Inc. collected 176 check points in five different classifications spread throughout the project area. The Vertical Accuracy Requirements are required to meet or exceed an RMSEz of 12.5 centimeters and a Fundamental Vertical Accuracy requirement of 24.5 centimeters at the 95% Confidence Level according to the NDEP guidelines.

HORIZONTAL & VERTICAL DATUMS

The LiDAR Data and Coordinate Values for this project are referenced to the Universal Transverse Mercator (UTM), NAD83 Meters, Zone 15 North and the North American Vertical Datum of 1988 (NAVD88). GEOID 09 was used to translate the ellipsoid heights to Orthometric heights. All coordinate values are presented in meters.

SURVEY AREA

The Survey Area consisted of approximately 1,485 square miles in Barataria Basin, LA. The map located on the next page shows the general location of the check points and the FVA Points.

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CONTROL SURVEY

MAPTECH used PPK (post processed kinematic) GPS Data Collection to determine coordinate values for the LiDAR Check Points. Check Points were occupied for at least two minutes each. A Network Adjustment was performed using the data that was collected via PPK GPS. For the PPK data collection, four Base stations were setup in a five to ten mile square area, more or less, and check points that fell within the square were tied. Base stations were then positioned in another five to ten mile square and check points falling within that square were located. This process continued until the entire area had been covered. Base station data was submitted to OPUS for verification. A static GPS network was performed in conjunction with the PPK survey to establish control values for the base stations, a table showing the Control Stations occupied and corresponding fixes is provided below. GNSS technology was used throughout the project area using varying types of Trimble GPS Receivers. Fixed height tripods and/or rover rods were used on all setups. The Network Adjustment was performed using Trimble Business Center Software.

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BASE STATION OCCUPATIONS

Point ID	Northing	Easting	Latitude (Local)	Longitude (Local)	Ellipsoid Height (Local)	Elevation	Feature Code
FAAL49B	3260980.08	765621.1204	29 27 0.458450 N	90 15 41.303750 W	-25.356	-0.685	NGS
G358	3262055.952	761015.4674	29 27 38.861090 N	90 18 31.165280 W	-23.957	0.786	NGS
J370	3248559.278	850823.6385	29 19 2.278590 N	89 23 17.797080 W	-25.293	-1.296	NGS
Q388	3236752.428	790989.5926	29 13 34.053870 N	90 0 23.770990 W	-22.949	0.935	NGS
S393	3276871.784	807021.7617	29 35 1.952200 N	89 49 50.442460 W	-23.889	0.84	NGS
500	3244063.9657	768705.9033	29 17 49.101340 N	90 14 1.785615 W	-23.5184	0.7306	CPNAIL
501	3243991.4902	768732.9025	29 17 46.728500 N	90 14 0.849440 W	-23.4874	0.7596	CPNAIL
510	3238010.6716	792584.2555	29 14 13.555818 N	89 59 23.587866 W	-22.9357	0.9623	CPNAIL
511	3237914.5381	792659.4248	29 14 10.373891 N	89 59 20.898376 W	-22.8870	1.0080	CPNAIL
526	3297329.0954	780345.7762	29 46 28.394758 N	90 6 1.625049 W	-24.4862	0.9888	CPNAIL
527	3297410.9877	780348.0418	29 46 31.050146 N	90 6 1.464168 W	-24.5175	0.9604	CPNAIL
538	3284174.5807	779942.8161	29 39 21.880245 N	90 6 28.864964 W	-23.7570	1.3500	CPNAIL
539	3284064.4950	780013.2948	29 39 18.250930 N	90 6 26.348875 W	-24.1911	0.9129	CPNAIL
551	3251178.3737	839882.8679	29 20 38.013749 N	89 29 59.741971 W	-23.6211	0.4398	CPNAIL
552	3251148.3478	839943.3967	29 20 36.981136 N	89 29 57.534818 W	-23.8335	0.2265	CPNAIL
564	3259822.5921	828359.8708	29 25 29.399478 N	89 36 57.012976 W	-24.3641	-0.1301	CPNAIL
565	3259722.2185	828364.9289	29 25 26.139141 N	89 36 56.933611 W	-24.4876	-0.2566	CPNAIL
580	3268031.4812	818305.7246	29 30 5.006744 N	89 43 0.949191 W	-25.1415	-0.7065	CPNAIL
581	3268084.9027	818354.6646	29 30 6.694756 N	89 42 59.078506 W	-24.7917	-0.3557	CPNAIL

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Check Back Points

Point ID	Northing	Easting	Latitude (Local)	Longitude (Local)	Ellipsoid Height (Local)	Elevation	Feature Code
100	3259168.3937	765235.6691	29 26 1.955595 N	90 15 57.173430 W	-24.7963	-0.1634	CK7
101	3259186.7095	765427.6310	29 26 2.403759 N	90 15 50.040567 W	-24.3778	0.2542	CK7-A
113	3228285.7359	774325.4670	29 9 12.696053 N	90 10 47.781411 W	-22.8155	1.0525	CK10
114	3228421.1320	774363.6494	29 9 17.060355 N	90 10 46.249635 W	-22.7982	1.0708	CK10-A
123	3272346.5249	763972.0148	29 33 10.602365 N	90 16 32.577422 W	-24.5973	0.3487	CK5
124	3272355.1035	763893.5089	29 33 10.940563 N	90 16 35.483964 W	-24.2542	0.6928	CK5-A
133	3308417.6074	767926.7470	29 52 38.143131 N	90 13 33.632021 W	-27.6431	-1.8181	CK1
134	3308337.5232	767859.3985	29 52 35.597062 N	90 13 36.211786 W	-27.0163	-1.1933	CK1-A
146	3306750.9772	788802.2502	29 51 27.083898 N	90 0 38.010275 W	-26.9115	-1.1906	CK3
147	3306856.9186	788779.8020	29 51 30.540094 N	90 0 38.743323 W	-27.5851	-1.8611	CK3-A
161	3238053.3894	850680.8150	29 13 21.741970 N	89 23 35.062454 W	-23.2172	0.5797	CK15
162	3238187.6153	850770.8068	29 13 26.004796 N	89 23 31.582981 W	-23.1461	0.6529	CK15-A
173	3244670.6630	853555.4152	29 16 53.436904 N	89 21 41.198221 W	-25.6441	-1.7252	CK14
174	3244598.9313	853476.1740	29 16 51.190810 N	89 21 44.211605 W	-25.5730	-1.6551	CK14-A
185	3279149.4002	801418.9372	29 36 20.767402 N	89 53 16.127018 W	-25.3406	-0.5236	CK6
186	3279183.2108	801331.4826	29 36 21.940502 N	89 53 19.340048 W	-25.1293	-0.3103	CK6-A

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LIDAR CHECK POINTS

Point ID	Northing	Easting	Latitude (Local)	Longitude (Local)	Ellipsoid Height (Local)	Elevation	Feature Code
102	3259163.4788	765453.7881	29 26 1.629889 N	90 15 49.091032 W	-24.3768	0.2542	BE/GRAV
103	3259158.8428	765333.9652	29 26 1.570747 N	90 15 53.537452 W	-24.6874	-0.0555	BE/GRAV
104	3259155.1510	765233.8321	29 26 1.527213 N	90 15 57.253059 W	-24.4818	0.1512	BE/ASP
105	3259123.7154	765220.5565	29 26 0.517105 N	90 15 57.772596 W	-24.3647	0.2673	BE/ASP
106	3259154.3302	765218.6594	29 26 1.512129 N	90 15 57.816294 W	-24.3666	0.2664	BE/ASP
107	3259184.8697	765216.9434	29 26 2.504573 N	90 15 57.853345 W	-24.5687	0.0652	BE/ASP
108	3259172.7630	765233.0646	29 26 2.099382 N	90 15 57.266190 W	-25.1341	-0.5011	FH
109	3259158.7666	765037.4310	29 26 1.794084 N	90 16 4.531416 W	-24.2625	0.3725	BE/ASP
110	3259160.3589	765076.1904	29 26 1.816259 N	90 16 3.093040 W	-24.3107	0.3243	BE/ASP
111	3259183.4353	765075.1239	29 26 2.566001 N	90 16 3.112513 W	-24.7557	-0.1207	BE/BC
116	3228253.1906	774308.7210	29 9 11.652890 N	90 10 48.429398 W	-22.9420	0.9260	BE/NG
117	3228281.3416	774316.3017	29 9 12.560581 N	90 10 48.124160 W	-23.0215	0.8464	BE/NG
118	3228322.3596	774328.1703	29 9 13.882502 N	90 10 47.648976 W	-22.8024	1.0656	BE/NG
119	3228318.6864	774345.8042	29 9 13.749563 N	90 10 47.000292 W	-22.5765	1.2914	URBAN/ASP
120	3228275.4983	774333.8905	29 9 12.357248 N	90 10 47.479071 W	-22.5390	1.3289	URBAN/ASP
121	3228248.5122	774326.2418	29 9 11.487417 N	90 10 47.785790 W	-22.5710	1.2960	URBAN/ASP
126	3272351.6169	764013.3583	29 33 10.736127 N	90 16 31.038385 W	-24.6503	0.2957	BE/GRAV
127	3272355.2979	763972.3373	29 33 10.886840 N	90 16 32.557809 W	-24.5720	0.3740	BE/GRAV
128	3272360.3845	763918.2032	29 33 11.093147 N	90 16 34.562750 W	-24.2560	0.6910	BE/GRAV
129	3272343.4001	763916.0580	29 33 10.543570 N	90 16 34.657169 W	-24.8393	0.1067	TWC
130	3272340.1548	763939.2107	29 33 10.420618 N	90 16 33.800607 W	-24.5561	0.3898	TWC
131	3272339.2895	763972.5930	29 33 10.367109 N	90 16 32.562263 W	-24.8487	0.0972	TWC
135	3308367.3418	767818.7055	29 52 36.596570 N	90 13 37.700245 W	-26.6366	-0.8126	BE/ASP
136	3308415.8947	767849.8628	29 52 38.147765 N	90 13 36.496441 W	-26.7251	-0.9001	BE/ASP
137	3308470.0426	767884.3763	29 52 39.877889 N	90 13 35.162627 W	-26.9354	-1.1095	BE/ASP
138	3308442.8775	767942.5393	29 52 38.950801 N	90 13 33.021260 W	-27.5879	-1.7630	BE/NG
139	3308416.9052	767920.5278	29 52 38.125213 N	90 13 33.864230 W	-27.6001	-1.7752	BE/NG
140	3308355.1398	767871.4531	29 52 36.159298 N	90 13 35.747092 W	-27.0032	-1.1802	BE/NG
141	3308348.9849	767881.7550	29 52 35.951500 N	90 13 35.369018 W	-27.0288	-1.2058	BE/BC
142	3308341.2283	767872.2992	29 52 35.707196 N	90 13 35.728086 W	-27.0077	-1.1848	BE/BC
143	3308365.2332	767864.6612	29 52 36.492160 N	90 13 35.990926 W	-27.0763	-1.2533	BE/BC
144	3308401.1668	767888.4689	29 52 37.639596 N	90 13 35.072129 W	-26.9091	-1.0851	BE/BC
148	3306746.9477	788792.4347	29 51 26.961442 N	90 0 38.379525 W	-27.4474	-1.7264	BE/NG
149	3306737.4562	788811.7314	29 51 26.637214 N	90 0 37.670455 W	-25.9730	-0.2521	BE/NG
150	3306778.6799	788798.0830	29 51 27.986226 N	90 0 38.138578 W	-27.1122	-1.3902	BE/NG
151	3306830.4692	788784.9495	29 51 29.677604 N	90 0 38.577319 W	-27.5314	-1.8084	BE/NG
152	3306853.3618	788719.0866	29 51 30.475905 N	90 0 41.006728 W	-27.3242	-1.6002	BE/BC
153	3306842.6454	788712.7769	29 51 30.133530 N	90 0 41.251957 W	-27.3711	-1.6471	BE/BC

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154	3306856.9469	788794.8375	29 51 30.528330 N	90 0 38.183640 W	-26.2412	-0.5172	BE/ASP
155	3306844.9622	788797.1558	29 51 30.137530 N	90 0 38.108946 W	-25.9376	-0.2137	BE/ASP
156	3306799.6468	788806.0749	29 51 28.659755 N	90 0 37.820814 W	-25.9225	-0.2006	BE/ASP
157	3306787.3503	788808.5044	29 51 28.258744 N	90 0 37.742281 W	-26.0807	-0.3588	BE/ASP
158	3306748.1660	788816.1281	29 51 26.980983 N	90 0 37.496435 W	-26.1239	-0.4029	BE/ASP
159	3306733.2521	788818.9814	29 51 26.494696 N	90 0 37.404665 W	-25.8190	-0.0991	BE/ASP
163	3237999.6198	850649.5888	29 13 20.029502 N	89 23 36.277960 W	-23.0705	0.7254	BE/GRAV
164	3238042.9862	850679.1566	29 13 21.406273 N	89 23 35.135596 W	-23.1807	0.6163	BE/GRAV
165	3238077.3427	850703.1225	29 13 22.496461 N	89 23 34.210562 W	-23.1471	0.6498	BE/GRAV
166	3238076.9922	850686.5163	29 13 22.501668 N	89 23 34.824842 W	-23.3514	0.4456	BE/NG
167	3238046.7307	850666.5037	29 13 21.540325 N	89 23 35.599076 W	-22.9899	0.8071	BE/NG
168	3238022.5414	850649.0899	29 13 20.773297 N	89 23 36.270331 W	-23.0431	0.7529	BE/NG
169	3238027.9724	850646.0818	29 13 20.952412 N	89 23 36.375352 W	-23.0721	0.7239	TWC
170	3238056.2643	850666.6924	29 13 21.849289 N	89 23 35.581255 W	-23.5412	0.2557	TWC
171	3238072.6781	850677.4970	29 13 22.370771 N	89 23 35.163169 W	-23.2767	0.5203	TWC
175	3244632.1600	853575.7353	29 16 52.167897 N	89 21 40.490938 W	-25.5676	-1.6496	BE/BC
176	3244646.6548	853564.3718	29 16 52.649371 N	89 21 40.894565 W	-25.5474	-1.6295	BE/BC
177	3244635.4071	853549.8696	29 16 52.299273 N	89 21 41.443890 W	-25.4956	-1.5776	BE/BC
178	3244677.4253	853562.7993	29 16 53.648734 N	89 21 40.917327 W	-25.4872	-1.5682	BE/NG
179	3244653.4174	853535.3532	29 16 52.897924 N	89 21 41.960089 W	-25.6576	-1.7386	BE/NG
180	3244628.9611	853507.0537	29 16 52.133433 N	89 21 43.034928 W	-25.7273	-1.8093	BE/NG
181	3244648.6607	853491.1699	29 16 52.788236 N	89 21 43.599760 W	-25.8221	-1.9041	TWC
182	3244668.2841	853521.5204	29 16 53.393945 N	89 21 42.454618 W	-25.9517	-2.0327	TWC
183	3244686.4194	853542.1506	29 16 53.961203 N	89 21 41.670712 W	-25.9130	-1.9940	TWC
187	3279123.0300	801449.7348	29 36 19.885051 N	89 53 15.009960 W	-24.3749	0.4410	BE/ASP
188	3279135.6905	801419.0106	29 36 20.322564 N	89 53 16.137962 W	-24.3884	0.4285	BE/ASP
189	3279150.0445	801384.4325	29 36 20.818373 N	89 53 17.407354 W	-24.3756	0.4414	BE/ASP
190	3279160.6985	801388.2447	29 36 21.160693 N	89 53 17.255206 W	-25.1313	-0.3133	BE/NG
191	3279145.7566	801422.6301	29 36 20.645976 N	89 53 15.993551 W	-25.0849	-0.2679	BE/NG
192	3279133.3295	801453.2992	29 36 20.216085 N	89 53 14.867363 W	-25.1858	-0.3688	BE/NG
193	3279146.0617	801459.1279	29 36 20.624067 N	89 53 14.638275 W	-25.3690	-0.5520	TWC
194	3279162.1350	801430.3023	29 36 21.170648 N	89 53 15.692390 W	-25.1736	-0.3566	TWC
195	3279173.8418	801396.1180	29 36 21.580234 N	89 53 16.949804 W	-25.2523	-0.4343	TWC
502	3244051.7904	768722.5530	29 17 48.693427 N	90 14 1.179832 W	-24.0005	0.2475	TWC
503	3244073.0914	768719.3925	29 17 49.387156 N	90 14 1.278199 W	-23.7887	0.4602	TWC
504	3244078.6177	768703.9462	29 17 49.578360 N	90 14 1.845250 W	-23.7128	0.5361	BE
505	3244101.4223	768695.5215	29 17 50.324925 N	90 14 2.137205 W	-23.5998	0.6501	BE
506	3244104.6215	768715.8401	29 17 50.413161 N	90 14 1.382123 W	-23.8780	0.3709	BE
507	3244122.2880	768713.5974	29 17 50.988232 N	90 14 1.449693 W	-23.5392	0.7108	BC
508	3244112.9081	768688.4315	29 17 50.703126 N	90 14 2.389652 W	-23.4383	0.8117	BC
509	3244157.3179	768671.7403	29 17 52.157208 N	90 14 2.968759 W	-23.4774	0.7736	BC
513	3238015.6563	792562.2776	29 14 13.735873 N	89 59 24.396195 W	-23.0333	0.8647	FFG
514	3238024.2575	792545.8546	29 14 14.028644 N	89 59 24.995584 W	-23.2478	0.6501	FFG

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515	3237998.7234	792566.8112	29 14 13.182668 N	89 59 24.244564 W	-23.1011	0.7958	BLT
516	3237992.4652	792578.8993	29 14 12.969534 N	89 59 23.803317 W	-23.0740	0.8230	BLT
517	3237982.4370	792610.1553	29 14 12.618095 N	89 59 22.656543 W	-22.8393	1.0577	BE
518	3238016.5503	792587.9848	29 14 13.743457 N	89 59 23.444319 W	-22.9848	0.9132	BE
519	3238046.0422	792569.0524	29 14 14.716168 N	89 59 24.116693 W	-23.0564	0.8416	BE
520	3238027.7419	792597.8271	29 14 14.098395 N	89 59 23.069572 W	-23.4283	0.4697	TWC
521	3238042.9314	792602.2199	29 14 14.587590 N	89 59 22.892629 W	-23.4682	0.4298	TWC
522	3238056.7160	792602.1741	29 14 15.034902 N	89 59 22.881221 W	-23.2317	0.6663	URBAN
523	3238068.4840	792613.9394	29 14 15.406937 N	89 59 22.434785 W	-23.2964	0.6026	URBAN
524	3238076.9154	792626.5887	29 14 15.669970 N	89 59 21.958817 W	-23.2357	0.6632	URBAN
529	3297323.8769	780348.9141	29 46 28.222867 N	90 6 1.513218 W	-24.3585	1.1165	BE
530	3297355.3609	780349.6923	29 46 29.243826 N	90 6 1.454821 W	-24.3881	1.0878	BE
531	3297393.8749	780350.6618	29 46 30.492735 N	90 6 1.382726 W	-24.3882	1.0887	BE
532	3297372.1362	780332.1513	29 46 29.802466 N	90 6 2.091551 W	-25.3563	0.1207	BLT
533	3297329.2112	780324.8626	29 46 28.415584 N	90 6 2.402804 W	-25.3793	0.0957	BLT
534	3297308.0156	780364.3934	29 46 27.695570 N	90 6 0.952318 W	-24.8345	0.6395	TWC
535	3297354.2661	780364.9103	29 46 29.195880 N	90 6 0.889820 W	-24.6734	0.8025	TWC
536	3297396.8004	780366.7032	29 46 30.574568 N	90 6 0.783341 W	-24.7077	0.7693	TWC
541	3284067.8036	780016.6043	29 39 18.355605 N	90 6 26.222852 W	-24.1466	0.9574	BE
542	3284100.6224	779993.0606	29 39 19.439633 N	90 6 27.067030 W	-24.0482	1.0567	BE
543	3284140.4108	779964.9985	29 39 20.753479 N	90 6 28.072601 W	-24.1587	0.9473	BE
544	3284177.9579	779978.1888	29 39 21.961138 N	90 6 27.547704 W	-25.0957	0.0113	BLT
545	3284164.0590	780003.9335	29 39 21.489251 N	90 6 26.604178 W	-25.0124	0.0936	BLT
546	3284138.1455	779995.6840	29 39 20.655082 N	90 6 26.934719 W	-24.9670	0.1390	TWC
547	3284112.3578	780011.9095	29 39 19.805142 N	90 6 26.355885 W	-25.0084	0.0966	TWC
548	3284106.2374	779976.1106	29 39 19.635584 N	90 6 27.691516 W	-21.1755	3.9295	BC
549	3284143.1278	779950.4803	29 39 20.853418 N	90 6 28.609441 W	-21.3600	3.7460	BC
550	3284137.0619	779941.5188	29 39 20.663858 N	90 6 28.947997 W	-21.6184	3.4875	BC
554	3251175.9633	839876.0851	29 20 37.942172 N	89 29 59.995708 W	-24.1122	-0.0512	BE
555	3251162.2900	839904.5691	29 20 37.471043 N	89 29 58.956548 W	-24.0770	-0.0171	BE
556	3251144.7371	839939.1203	29 20 36.868196 N	89 29 57.697113 W	-24.0566	0.0034	BE
557	3251127.6213	839934.4898	29 20 36.317617 N	89 29 57.887503 W	-24.3312	-0.2722	TWC
558	3251140.3818	839905.1043	29 20 36.760020 N	89 29 58.961044 W	-24.2602	-0.2003	TWC
559	3251148.2600	839886.6602	29 20 37.033446 N	89 29 59.635009 W	-24.3191	-0.2591	TWC
560	3251151.6863	839873.6870	29 20 37.157174 N	89 30 0.111410 W	-24.3818	-0.3219	BLT
561	3251161.6892	839848.9030	29 20 37.505670 N	89 30 1.017689 W	-24.3578	-0.2978	BLT
562	3251173.1070	839827.1183	29 20 37.897135 N	89 30 1.811383 W	-24.3326	-0.2716	BLT
567	3259815.9588	828387.8301	29 25 29.157981 N	89 36 55.984255 W	-24.6975	-0.4645	BLT
568	3259844.4064	828401.3054	29 25 30.067969 N	89 36 55.454391 W	-24.7089	-0.4749	BLT
569	3259855.0031	828416.7734	29 25 30.397090 N	89 36 54.869911 W	-24.5607	-0.3267	BLT
570	3259867.6581	828415.5118	29 25 30.808739 N	89 36 54.903027 W	-24.6120	-0.3770	FFG
571	3259889.8083	828410.3893	29 25 31.531996 N	89 36 55.068964 W	-24.6431	-0.4081	FFG
572	3259919.0277	828393.6424	29 25 32.495497 N	89 36 55.657969 W	-24.4152	-0.1792	FFG

USGS – Jean Lafitte Barataria
 Contract No.G10PC00093, Task Order No.G13PD00214
 Prime Contractor: Digital Aerial Solutions (DAS)
 Sub-Contractor: Maptech, Inc.



573	3259898.5911	828392.7859	29 25 31.833453 N	89 36 55.711700 W	-24.3514	-0.1164	BE
574	3259889.8988	828358.2578	29 25 31.584060 N	89 36 57.000291 W	-24.2904	-0.0555	BE
575	3259928.0580	828333.9932	29 25 32.844600 N	89 36 57.858199 W	-23.9656	0.2704	BE
576	3259851.0730	828291.0099	29 25 30.388122 N	89 36 59.533541 W	-25.0941	-0.8601	TWC
577	3259822.7976	828278.9678	29 25 29.482365 N	89 37 0.010114 W	-25.1535	-0.9205	TWC
578	3259794.4447	828266.3406	29 25 28.574647 N	89 37 0.508448 W	-25.0169	-0.7839	TWC

Check point Table Legend:

BC	BUILDING CORNER
BE	BARE EARTH
BLT	BRUSH LANDS TREES FOREST FULLY
FFG	GROWN
TWC	TALLS WEEDS CROPS
CP	CONTROL POINT
CKBS	CHECK BACK SITE
ASP	ASPHALT
GRAV	GRAVEL
NG	NATURAL GROUND

Results - Baseline

S393 - 581

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:56

Point Information

	Reference: S393	Rover: 581
Receiver type / S/N:	SR530 / 34012	ATX1230 / 316021
Antenna type / S/N:	AT502 Tripod / -	ATX1230 Tripod / -
Antenna height:	1.33000 m	1.26600 m
Initial coordinates:		
Latitude:	29° 35' 01.95220" N	29° 30' 06.73022" N
Longitude:	89° 49' 50.44246" W	89° 42' 59.09376" W
Ellip. Hgt:	-23.88903 m	-25.69903 m
Time span:	03/15/2013 06:57:14 - 03/15/2013 09:30:59	
Duration:	2h 33' 45"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	15	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 35' 01.95220" N
 Longitude: 89° 49' 50.44246" W
 Time (UT): 03/15/2013 11:52:39

Validity: From epoch: 03/15/2013 06:52:39
 To epoch: 03/15/2013 09:38:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.70924412	0.00572629
	0	1	0.99097997	0.01076050
	0	2	0.01526733	0.00835093
	1	0	-0.01443413	0.00538264
	1	1	-0.09858132	0.00758667

Antenna Information

	Reference: S393	Rover: 581
Antenna type:	AT502 Tripod	ATX1230 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.08880 m	0.08850 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.4	1.4	2.8	4.5	6.4	8.4	10.2	12.0	13.5	14.8	15.6	15.8	15.6	14.8	13.5	11.7	9.2	6.0
0° L2	0.0	0.2	0.6	1.3	2.1	3.1	4.0	5.0	5.9	6.7	7.3	7.7	7.7	7.4	6.7	5.7	4.0	1.7	-1.6

Observation Statistics

Number of common epochs: 616

GPS:

Number of used observations (L1): 4324
 Number of rejected observations (L1): 8
 Number of used observations (L2): 4316
 Number of rejected observations (L2): 16

Tracking Status GPS L1:

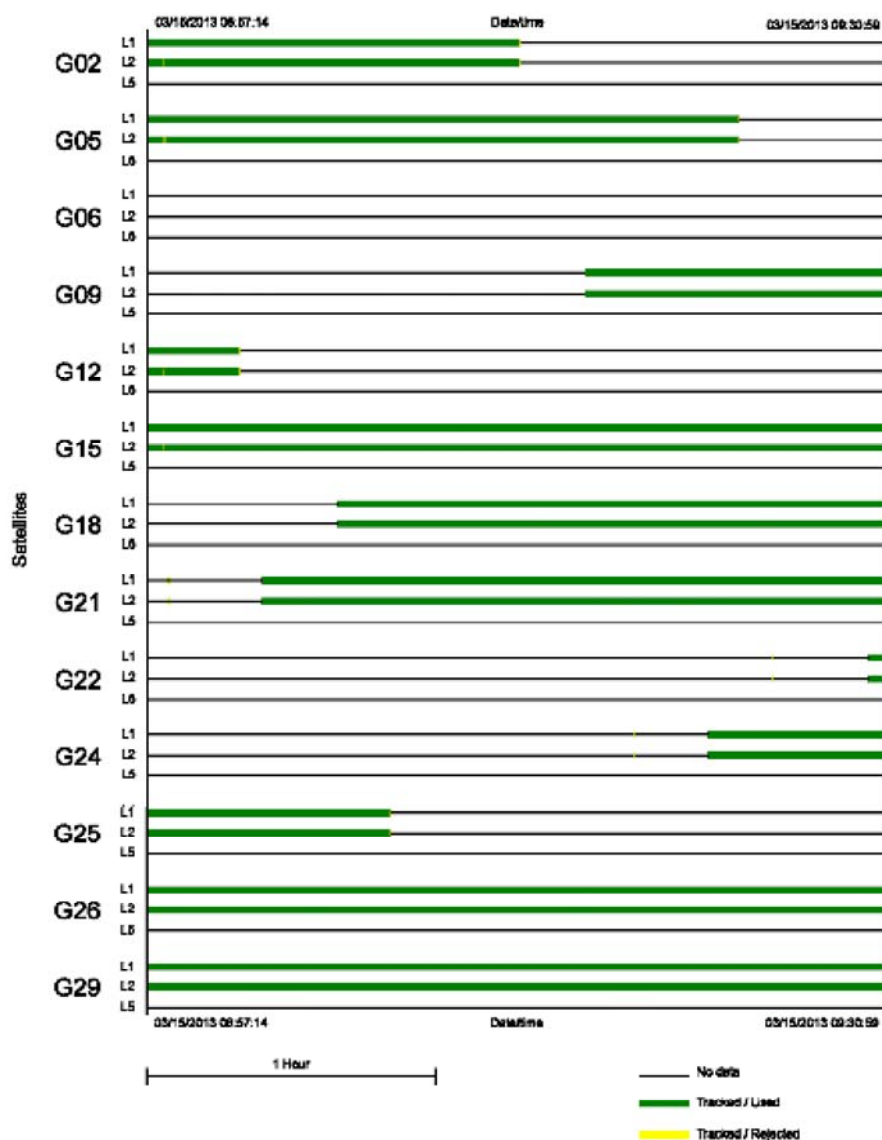
Satellite		From	To	Status
G02	✓	03/15/2013 06:57:14	03/15/2013 08:14:29	Tracked / Used
	✗	03/15/2013 08:14:29	03/15/2013 08:14:44	Tracked / Rejected
	✗	03/15/2013 08:14:44	03/15/2013 09:30:59	No data
G05	✓	03/15/2013 06:57:14	03/15/2013 08:59:59	Tracked / Used
	✗	03/15/2013 08:59:59	03/15/2013 09:00:14	Tracked / Rejected
	✗	03/15/2013 09:00:14	03/15/2013 09:30:59	No data
G06	✗	03/15/2013 06:57:14	03/15/2013 09:30:59	No data
	✗	03/15/2013 09:30:59	03/15/2013 09:30:59	Tracked / Rejected
G09	✗	03/15/2013 06:57:14	03/15/2013 08:28:14	No data
	✓	03/15/2013 08:28:14	03/15/2013 09:30:59	Tracked / Used
G12	✓	03/15/2013 06:57:14	03/15/2013 07:16:14	Tracked / Used
	✗	03/15/2013 07:16:14	03/15/2013 07:16:29	Tracked / Rejected
	✗	03/15/2013 07:16:29	03/15/2013 09:30:59	No data
G15	✓	03/15/2013 06:57:14	03/15/2013 09:30:59	Tracked / Used
G18	✗	03/15/2013 06:57:14	03/15/2013 07:36:44	No data
	✓	03/15/2013 07:36:44	03/15/2013 09:30:59	Tracked / Used
G21	✗	03/15/2013 06:57:14	03/15/2013 07:01:29	No data
	✗	03/15/2013 07:01:29	03/15/2013 07:01:44	Tracked / Rejected
	✗	03/15/2013 07:01:44	03/15/2013 07:20:59	No data
	✓	03/15/2013 07:20:59	03/15/2013 09:30:59	Tracked / Used
G22	✗	03/15/2013 06:57:14	03/15/2013 09:06:59	No data
	✗	03/15/2013 09:06:59	03/15/2013 09:07:14	Tracked / Rejected
	✗	03/15/2013 09:07:14	03/15/2013 09:26:59	No data
	✓	03/15/2013 09:26:59	03/15/2013 09:30:59	Tracked / Used
G24	✗	03/15/2013 06:57:14	03/15/2013 08:38:14	No data
	✗	03/15/2013 08:38:14	03/15/2013 08:38:29	Tracked / Rejected
	✗	03/15/2013 08:38:29	03/15/2013 08:53:44	No data
	✓	03/15/2013 08:53:44	03/15/2013 09:30:59	Tracked / Used
G25	✓	03/15/2013 06:57:14	03/15/2013 07:47:44	Tracked / Used
	✗	03/15/2013 07:47:44	03/15/2013 07:47:59	Tracked / Rejected
	✗	03/15/2013 07:47:59	03/15/2013 09:30:59	No data
G26	✓	03/15/2013 06:57:14	03/15/2013 09:30:59	Tracked / Used
G29	✓	03/15/2013 06:57:14	03/15/2013 09:30:59	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/15/2013 06:57:14	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:44	Tracked / Rejected
	✓	03/15/2013 07:00:44	03/15/2013 08:14:29	Tracked / Used
	✗	03/15/2013 08:14:29	03/15/2013 08:14:44	Tracked / Rejected
	✗	03/15/2013 08:14:44	03/15/2013 09:30:59	No data
G05	✓	03/15/2013 06:57:14	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:59	Tracked / Rejected

	✓	03/15/2013 07:00:59	03/15/2013 08:59:59	Tracked / Used
	✗	03/15/2013 08:59:59	03/15/2013 09:00:14	Tracked / Rejected
	✗	03/15/2013 09:00:14	03/15/2013 09:30:59	No data
G06	✗	03/15/2013 06:57:14	03/15/2013 09:30:59	No data
	✗	03/15/2013 09:30:59	03/15/2013 09:30:59	Tracked / Rejected
G09	✗	03/15/2013 06:57:14	03/15/2013 08:28:14	No data
	✓	03/15/2013 08:28:14	03/15/2013 09:30:59	Tracked / Used
G12	✓	03/15/2013 06:57:14	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:44	Tracked / Rejected
	✓	03/15/2013 07:00:44	03/15/2013 07:16:14	Tracked / Used
	✗	03/15/2013 07:16:14	03/15/2013 07:16:29	Tracked / Rejected
	✗	03/15/2013 07:16:29	03/15/2013 09:30:59	No data
G15	✓	03/15/2013 06:57:14	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:44	Tracked / Rejected
	✓	03/15/2013 07:00:44	03/15/2013 09:30:59	Tracked / Used
G18	✗	03/15/2013 06:57:14	03/15/2013 07:36:44	No data
	✓	03/15/2013 07:36:44	03/15/2013 09:30:59	Tracked / Used
G21	✗	03/15/2013 06:57:14	03/15/2013 07:01:29	No data
	✗	03/15/2013 07:01:29	03/15/2013 07:01:44	Tracked / Rejected
	✗	03/15/2013 07:01:44	03/15/2013 07:20:59	No data
	✓	03/15/2013 07:20:59	03/15/2013 09:30:59	Tracked / Used
G22	✗	03/15/2013 06:57:14	03/15/2013 09:06:59	No data
	✗	03/15/2013 09:06:59	03/15/2013 09:07:14	Tracked / Rejected
	✗	03/15/2013 09:07:14	03/15/2013 09:26:59	No data
	✓	03/15/2013 09:26:59	03/15/2013 09:30:59	Tracked / Used
G24	✗	03/15/2013 06:57:14	03/15/2013 08:38:14	No data
	✗	03/15/2013 08:38:14	03/15/2013 08:38:29	Tracked / Rejected
	✗	03/15/2013 08:38:29	03/15/2013 08:53:44	No data
	✓	03/15/2013 08:53:44	03/15/2013 09:30:59	Tracked / Used
G25	✓	03/15/2013 06:57:14	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:44	Tracked / Rejected
	✓	03/15/2013 07:00:44	03/15/2013 07:47:44	Tracked / Used
	✗	03/15/2013 07:47:44	03/15/2013 07:47:59	Tracked / Rejected
	✗	03/15/2013 07:47:59	03/15/2013 09:30:59	No data
G26	✓	03/15/2013 06:57:14	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:44	Tracked / Rejected
	✓	03/15/2013 07:00:44	03/15/2013 09:30:59	Tracked / Used
G29	✓	03/15/2013 06:57:14	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:44	Tracked / Rejected
	✓	03/15/2013 07:00:44	03/15/2013 09:30:59	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	45
Number of fixed GPS ambiguities:	38
Number of independent fixes:	294
Avg. time between independent fixes:	15"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/15/2013 06:57:14	03/15/2013 09:30:59	2h 33' 45"

Cycle Slip Statistics

Total number of cycle slips: 7

Time	Satellite	Frequency	Slip value	Flags
03/15/2013 07:00:29	G02	L1	-	ria
03/15/2013 07:00:29	G05	L1	-	ria
03/15/2013 07:00:29	G12	L1	-	ria
03/15/2013 07:00:29	G15	L1	-	ria
03/15/2013 07:00:29	G25	L1	-	ria
03/15/2013 07:00:29	G26	L1	-	ria
03/15/2013 07:00:29	G29	L1	-	ria

Final Coordinates

	Reference:S393	Rover:581	
Coordinates:			
Latitude:	29° 35' 01.95220" N	29° 30' 06.69475" N	
Longitude:	89° 49' 50.44246" W	89° 42' 59.07853" W	
Ellip. Hgt:	-23.88903 m	-24.79350 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00025 m Posn. Qlty: 0.00032 m	Sd. Lon: 0.00021 m Sd. Slope: 0.00023 m	Sd. Hgt: 0.00057 m
M0:	0.74171 m		
Cofactor matrix Qxx:	0.00000011	-0.00000001 0.00000008	0.00000003 0.00000001 0.00000060
Baseline vector:	dLat: -0° 04' 55.25745" Slope: 14328.67466 m	dLon: 0° 06' 51.36393"	dHgt: -0.90447 m
DOPs (min-max):	GDOP: 2.1 - 5.1 PDOP: 1.8 - 4.3	HDOP: 0.9 - 2.0	VDOP: 1.5 - 4.1
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

FAAL49B - 133

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:08

Point Information

	Reference: FAAL49B	Rover: 133
Receiver type / S/N:	SR530 / 34012	SR530 / 30486
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.31900 m	1.25100 m
Initial coordinates:		
Latitude:	29° 27' 00.45845" N	29° 52' 38.19043" N
Longitude:	90° 15' 41.30375" W	90° 13' 33.61030" W
Ellip. Hgt:	-25.35603 m	-28.64798 m
Time span:	03/13/2013 09:02:19 - 03/13/2013 11:34:44	
Duration:	2h 32' 25"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 00.45845" N
 Longitude: 90° 15' 41.30375" W
 Time (UT): 03/13/2013 12:36:49

Validity: From epoch: 03/13/2013 07:36:49
 To epoch: 03/13/2013 11:40:37

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.05762995	0.00695951
	0	1	1.23551526	0.00659675
	0	2	-0.16605105	0.00339771
	1	0	-0.07537183	0.00626920
	1	1	-0.23424684	0.00565313

Antenna Information

	Reference: FAAL49B	Rover: 133
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1830

GPS:

Number of used observations (L1): 13979
 Number of rejected observations (L1): 172
 Number of used observations (L2): 13979
 Number of rejected observations (L2): 5

Tracking Status GPS L1:

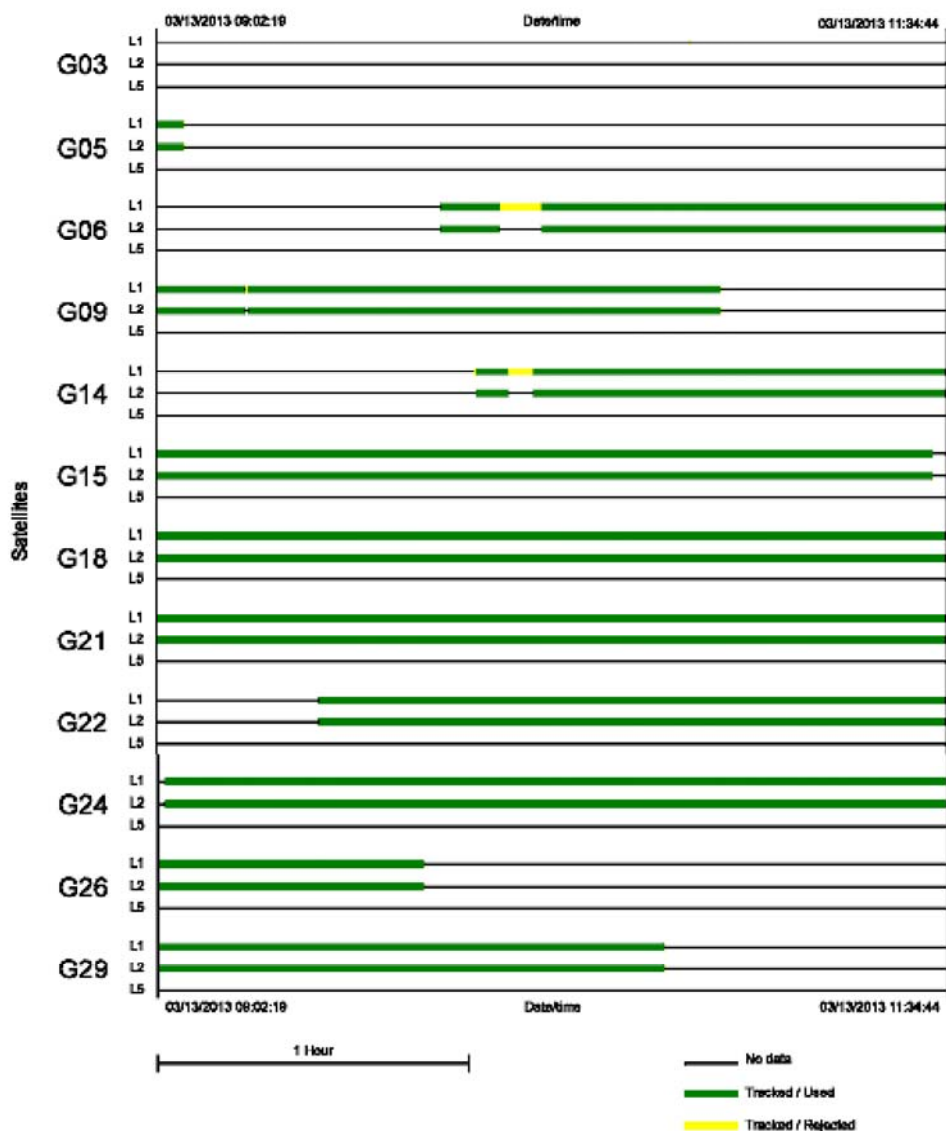
Satellite		From	To	Status
G03	✗	03/13/2013 09:02:19	03/13/2013 10:45:09	No data
	✗	03/13/2013 10:45:09	03/13/2013 10:45:14	Tracked / Rejected
	✗	03/13/2013 10:45:14	03/13/2013 11:34:44	No data
G05	✓	03/13/2013 09:02:19	03/13/2013 09:07:34	Tracked / Used
	✗	03/13/2013 09:07:34	03/13/2013 09:07:39	Tracked / Rejected
G06	✗	03/13/2013 09:07:39	03/13/2013 11:34:44	No data
	✗	03/13/2013 09:02:19	03/13/2013 09:57:04	No data
	✓	03/13/2013 09:57:04	03/13/2013 10:08:29	Tracked / Used
G09	✗	03/13/2013 10:08:29	03/13/2013 10:16:34	Tracked / Rejected
	✓	03/13/2013 10:16:34	03/13/2013 11:34:44	Tracked / Used
	✓	03/13/2013 09:02:19	03/13/2013 09:19:24	Tracked / Used
	✗	03/13/2013 09:19:24	03/13/2013 09:19:29	No data
	✗	03/13/2013 09:19:29	03/13/2013 09:20:04	Tracked / Rejected
	✓	03/13/2013 09:20:04	03/13/2013 10:51:04	Tracked / Used
	✗	03/13/2013 10:51:04	03/13/2013 10:51:09	Tracked / Rejected
G14	✗	03/13/2013 10:51:09	03/13/2013 11:34:44	No data
	✗	03/13/2013 09:02:19	03/13/2013 10:03:34	No data
	✗	03/13/2013 10:03:34	03/13/2013 10:03:54	Tracked / Rejected
	✓	03/13/2013 10:03:54	03/13/2013 10:10:09	Tracked / Used
	✗	03/13/2013 10:10:09	03/13/2013 10:14:59	Tracked / Rejected
G15	✓	03/13/2013 10:14:59	03/13/2013 11:34:44	Tracked / Used
	✓	03/13/2013 09:02:19	03/13/2013 11:31:49	Tracked / Used
	✗	03/13/2013 11:31:49	03/13/2013 11:31:54	Tracked / Rejected
G18	✗	03/13/2013 11:31:54	03/13/2013 11:34:44	No data
	✓	03/13/2013 09:02:19	03/13/2013 11:34:44	Tracked / Used
G21	✓	03/13/2013 09:02:19	03/13/2013 11:34:44	Tracked / Used
G22	✗	03/13/2013 09:02:19	03/13/2013 09:33:34	No data
	✓	03/13/2013 09:33:34	03/13/2013 11:34:44	Tracked / Used
G24	✗	03/13/2013 09:02:19	03/13/2013 09:03:44	No data
	✓	03/13/2013 09:03:44	03/13/2013 11:34:44	Tracked / Used
G26	✓	03/13/2013 09:02:19	03/13/2013 09:53:39	Tracked / Used
	✗	03/13/2013 09:53:39	03/13/2013 09:53:44	Tracked / Rejected
	✗	03/13/2013 09:53:44	03/13/2013 11:34:44	No data
G29	✓	03/13/2013 09:02:19	03/13/2013 10:39:59	Tracked / Used
	✗	03/13/2013 10:39:59	03/13/2013 10:40:04	Tracked / Rejected
	✗	03/13/2013 10:40:04	03/13/2013 11:34:44	No data

Tracking Status GPS L2:

Satellite		From	To	Status
G05	✓	03/13/2013 09:02:19	03/13/2013 09:07:34	Tracked / Used
	✗	03/13/2013 09:07:34	03/13/2013 09:07:39	Tracked / Rejected
	✗	03/13/2013 09:07:39	03/13/2013 11:34:44	No data
G06	✗	03/13/2013 09:02:19	03/13/2013 09:57:04	No data

	✓	03/13/2013 09:57:04	03/13/2013 10:08:29	Tracked / Used
	✗	03/13/2013 10:08:29	03/13/2013 10:16:34	No data
	✓	03/13/2013 10:16:34	03/13/2013 11:34:44	Tracked / Used
G09	✓	03/13/2013 09:02:19	03/13/2013 09:19:24	Tracked / Used
	✗	03/13/2013 09:19:24	03/13/2013 09:20:04	No data
	✓	03/13/2013 09:20:04	03/13/2013 10:51:04	Tracked / Used
	✗	03/13/2013 10:51:04	03/13/2013 10:51:09	Tracked / Rejected
	✗	03/13/2013 10:51:09	03/13/2013 11:34:44	No data
G14	✗	03/13/2013 09:02:19	03/13/2013 10:03:54	No data
	✓	03/13/2013 10:03:54	03/13/2013 10:10:09	Tracked / Used
	✗	03/13/2013 10:10:09	03/13/2013 10:14:59	No data
	✓	03/13/2013 10:14:59	03/13/2013 11:34:44	Tracked / Used
G15	✓	03/13/2013 09:02:19	03/13/2013 11:31:49	Tracked / Used
	✗	03/13/2013 11:31:49	03/13/2013 11:31:54	Tracked / Rejected
	✗	03/13/2013 11:31:54	03/13/2013 11:34:44	No data
G18	✓	03/13/2013 09:02:19	03/13/2013 11:34:44	Tracked / Used
G21	✓	03/13/2013 09:02:19	03/13/2013 11:34:44	Tracked / Used
G22	✗	03/13/2013 09:02:19	03/13/2013 09:33:34	No data
	✓	03/13/2013 09:33:34	03/13/2013 11:34:44	Tracked / Used
G24	✗	03/13/2013 09:02:19	03/13/2013 09:03:44	No data
	✓	03/13/2013 09:03:44	03/13/2013 11:34:44	Tracked / Used
G26	✓	03/13/2013 09:02:19	03/13/2013 09:53:39	Tracked / Used
	✗	03/13/2013 09:53:39	03/13/2013 09:53:44	Tracked / Rejected
	✗	03/13/2013 09:53:44	03/13/2013 11:34:44	No data
G29	✓	03/13/2013 09:02:19	03/13/2013 10:39:59	Tracked / Used
	✗	03/13/2013 10:39:59	03/13/2013 10:40:04	Tracked / Rejected
	✗	03/13/2013 10:40:04	03/13/2013 11:34:44	No data

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	28
Number of fixed GPS ambiguities:	26
Number of independent fixes:	597
Avg. time between independent fixes:	5"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/13/2013 09:02:19	03/13/2013 11:34:44	2h 32' 25"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:FAAL49B	Rover:133	
Coordinates:			
Latitude:	29° 27' 00.45845" N	29° 52' 38.14313" N	
Longitude:	90° 15' 41.30375" W	90° 13' 33.63202" W	
Ellip. Hgt:	-25.35603 m	-27.64324 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00030 m Posn. Qlty: 0.00039 m	Sd. Lon: 0.00025 m Sd. Slope: 0.00030 m	Sd. Hgt: 0.00068 m
M0:	0.37970 m		
Cofactor matrix Qxx:	0.00000064	-0.00000001 0.00000042	-0.00000016 0.00000001 0.00000320
Baseline vector:	dLat: 0° 25' 37.68468" Slope: 47470.51510 m	dLon: 0° 02' 07.67173"	dHgt: -2.28721 m
DOPs (min-max):	GDOP: 1.9 - 3.7 PDOP: 1.7 - 3.0	HDOP: 0.8 - 1.5	VDOP: 1.4 - 2.6
Number of used satellites:	GPS: 11 GLONASS: -		

Results - Baseline

FAAL49B - 134

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:06

Point Information

	Reference: FAAL49B	Rover: 134
Receiver type / S/N:	SR530 / 34012	SR530 / 34472
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.31900 m	1.18500 m
Initial coordinates:		
Latitude:	29° 27' 00.45845" N	29° 52' 35.64444" N
Longitude:	90° 15' 41.30375" W	90° 13' 36.19558" W
Ellip. Hgt:	-25.35603 m	-28.52994 m
Time span:	03/13/2013 08:53:19 - 03/13/2013 11:38:29	
Duration:	2h 45' 10"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 00.45845" N
 Longitude: 90° 15' 41.30375" W
 Time (UT): 03/13/2013 12:36:49

Validity: From epoch: 03/13/2013 07:36:49
 To epoch: 03/13/2013 11:40:37

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.05762995	0.00695951
	0	1	1.23551526	0.00659675
	0	2	-0.16605105	0.00339771
	1	0	-0.07537183	0.00626920
	1	1	-0.23424684	0.00565313

Antenna Information

	Reference: FAAL49B	Rover: 134
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1983

GPS:

Number of used observations (L1): 15143
 Number of rejected observations (L1): 10
 Number of used observations (L2): 15143
 Number of rejected observations (L2): 5

Tracking Status GPS L1:

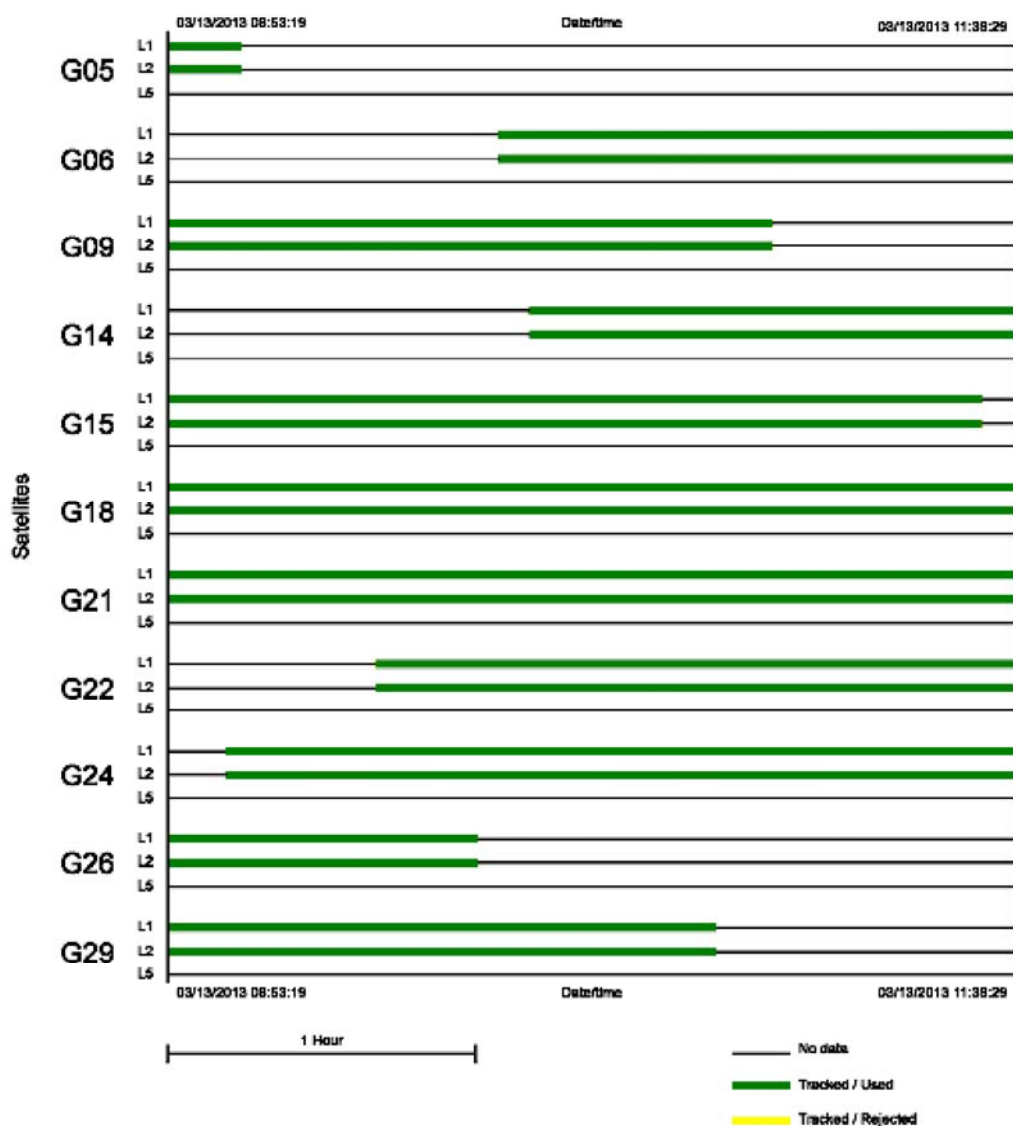
Satellite		From	To	Status
G05	✓	03/13/2013 08:53:19	03/13/2013 09:07:34	Tracked / Used
	✗	03/13/2013 09:07:34	03/13/2013 09:07:39	Tracked / Rejected
	✗	03/13/2013 09:07:39	03/13/2013 11:38:29	No data
G06	✗	03/13/2013 08:53:19	03/13/2013 09:57:44	No data
	✗	03/13/2013 09:57:44	03/13/2013 09:57:49	Tracked / Rejected
	✓	03/13/2013 09:57:49	03/13/2013 11:38:29	Tracked / Used
G09	✓	03/13/2013 08:53:19	03/13/2013 10:51:04	Tracked / Used
	✗	03/13/2013 10:51:04	03/13/2013 10:51:09	Tracked / Rejected
	✗	03/13/2013 10:51:09	03/13/2013 11:38:29	No data
G14	✗	03/13/2013 08:53:19	03/13/2013 10:03:44	No data
	✗	03/13/2013 10:03:44	03/13/2013 10:03:49	Tracked / Rejected
	✓	03/13/2013 10:03:49	03/13/2013 11:38:29	Tracked / Used
G15	✓	03/13/2013 08:53:19	03/13/2013 11:31:49	Tracked / Used
	✗	03/13/2013 11:31:49	03/13/2013 11:31:54	Tracked / Rejected
	✗	03/13/2013 11:31:54	03/13/2013 11:38:29	No data
G18	✓	03/13/2013 08:53:19	03/13/2013 11:38:29	Tracked / Used
G21	✓	03/13/2013 08:53:19	03/13/2013 11:38:29	Tracked / Used
G22	✗	03/13/2013 08:53:19	03/13/2013 09:33:44	No data
	✗	03/13/2013 09:33:44	03/13/2013 09:33:54	Tracked / Rejected
	✓	03/13/2013 09:33:54	03/13/2013 11:38:29	Tracked / Used
G24	✗	03/13/2013 08:53:19	03/13/2013 09:04:44	No data
	✗	03/13/2013 09:04:44	03/13/2013 09:04:49	Tracked / Rejected
	✓	03/13/2013 09:04:49	03/13/2013 11:38:29	Tracked / Used
G26	✓	03/13/2013 08:53:19	03/13/2013 09:53:39	Tracked / Used
	✗	03/13/2013 09:53:39	03/13/2013 09:53:44	Tracked / Rejected
	✗	03/13/2013 09:53:44	03/13/2013 11:38:29	No data
G29	✓	03/13/2013 08:53:19	03/13/2013 10:39:59	Tracked / Used
	✗	03/13/2013 10:39:59	03/13/2013 10:40:04	Tracked / Rejected
	✗	03/13/2013 10:40:04	03/13/2013 11:38:29	No data

Tracking Status GPS L2:

Satellite		From	To	Status
G05	✓	03/13/2013 08:53:19	03/13/2013 09:07:34	Tracked / Used
	✗	03/13/2013 09:07:34	03/13/2013 09:07:39	Tracked / Rejected
	✗	03/13/2013 09:07:39	03/13/2013 11:38:29	No data
G06	✗	03/13/2013 08:53:19	03/13/2013 09:57:49	No data
	✓	03/13/2013 09:57:49	03/13/2013 11:38:29	Tracked / Used
G09	✓	03/13/2013 08:53:19	03/13/2013 10:51:04	Tracked / Used
	✗	03/13/2013 10:51:04	03/13/2013 10:51:09	Tracked / Rejected
	✗	03/13/2013 10:51:09	03/13/2013 11:38:29	No data
G14	✗	03/13/2013 08:53:19	03/13/2013 10:03:49	No data
	✓	03/13/2013 10:03:49	03/13/2013 11:38:29	Tracked / Used
G15	✓	03/13/2013 08:53:19	03/13/2013 11:31:49	Tracked / Used

	✗	03/13/2013 11:31:49	03/13/2013 11:31:54	Tracked / Rejected
	✗	03/13/2013 11:31:54	03/13/2013 11:38:29	No data
G18	✓	03/13/2013 08:53:19	03/13/2013 11:38:29	Tracked / Used
G21	✓	03/13/2013 08:53:19	03/13/2013 11:38:29	Tracked / Used
G22	✗	03/13/2013 08:53:19	03/13/2013 09:33:54	No data
	✓	03/13/2013 09:33:54	03/13/2013 11:38:29	Tracked / Used
G24	✗	03/13/2013 08:53:19	03/13/2013 09:04:49	No data
	✓	03/13/2013 09:04:49	03/13/2013 11:38:29	Tracked / Used
G26	✓	03/13/2013 08:53:19	03/13/2013 09:53:39	Tracked / Used
	✗	03/13/2013 09:53:39	03/13/2013 09:53:44	Tracked / Rejected
	✗	03/13/2013 09:53:44	03/13/2013 11:38:29	No data
G29	✓	03/13/2013 08:53:19	03/13/2013 10:39:59	Tracked / Used
	✗	03/13/2013 10:39:59	03/13/2013 10:40:04	Tracked / Rejected
	✗	03/13/2013 10:40:04	03/13/2013 11:38:29	No data

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 22
 Number of fixed GPS ambiguities: 22
 Number of independent fixes: 604
 Avg. time between independent fixes: 5"

 Percentage of fixed epochs (L1): 100%
 Percentage of fixed epochs (L2): 100%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/13/2013 08:53:19	03/13/2013 11:38:29	2h 45' 10"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:FAAL49B	Rover:134	
Coordinates:			
Latitude:	29° 27' 00.45845" N	29° 52' 35.59706" N	
Longitude:	90° 15' 41.30375" W	90° 13' 36.21179" W	
Ellip. Hgt:	-25.35603 m	-27.02046 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00030 m Posn. Qlty: 0.00039 m	Sd. Lon: 0.00024 m Sd. Slope: 0.00030 m	Sd. Hgt: 0.00067 m
M0:	0.39261 m		
Cofactor matrix Qxx:	0.00000059	-0.00000001 0.00000039	-0.00000010 0.00000000 0.00000295
Baseline vector:	dLat: 0° 25' 35.13861" Slope: 47387.35172 m	dLon: 0° 02' 05.09196"	dHgt: -1.66444 m
DOPs (min-max):	GDOP: 1.9 - 3.7 PDOP: 1.7 - 3.0	HDOP: 0.8 - 1.5	VDOP: 1.4 - 2.6
Number of used satellites:	GPS: 11 GLONASS: -		

Results - Baseline

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Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:07

Point Information

	Reference: FAAL49B	Rover: 146
Receiver type / S/N:	SR530 / 34012	SR530 / 34472
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.31900 m	1.27500 m
Initial coordinates:		
Latitude:	29° 27' 00.45845" N	29° 51' 27.16862" N
Longitude:	90° 15' 41.30375" W	90° 00' 37.99761" W
Ellip. Hgt:	-25.35603 m	-30.55039 m
Time span:	03/13/2013 13:06:44 - 03/13/2013 15:42:19	
Duration:	2h 35' 35"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs):	None
Manually disabled GLONASS satellites (Slot Id):	None
Manually disabled Galileo satellites:	None

Computed Iono Model

Number of computed models:	2
Sampling rate of iono model:	30 sec
Height of single layer:	350 km

Model 1:

Origin of development:	Latitude:	29° 27' 00.45845" N
	Longitude:	90° 15' 41.30375" W
	Time (UT):	03/13/2013 12:36:49

Validity:	From epoch:	03/13/2013 07:36:49
	To epoch:	03/13/2013 11:40:37

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.05762995	0.00695951
	0	1	1.23551526	0.00659675
	0	2	-0.16605105	0.00339771
	1	0	-0.07537183	0.00626920
	1	1	-0.23424684	0.00565313

Model 2:

Origin of development:	Latitude:	29° 27' 00.45845" N
	Longitude:	90° 15' 41.30375" W
	Time (UT):	03/13/2013 16:40:37

Validity:	From epoch:	03/13/2013 11:40:37
	To epoch:	03/13/2013 15:44:24

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	3.56360227	0.02786621
	0	1	1.15348991	0.03646588
	0	2	-0.58603195	0.01448877
	1	0	-0.75345929	0.01719286
	1	1	0.07706843	0.01441498

Antenna Information

	Reference: FAAL49B	Rover: 146
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1868

GPS:

Number of used observations (L1): 14209

Number of rejected observations (L1): 130

Number of used observations (L2): 14209

Number of rejected observations (L2): 9

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✗	03/13/2013 13:06:44	03/13/2013 14:00:14	No data
	✗	03/13/2013 14:00:14	03/13/2013 14:01:34	Tracked / Rejected
	✓	03/13/2013 14:01:34	03/13/2013 15:42:19	Tracked / Used
G11	✗	03/13/2013 13:06:44	03/13/2013 13:32:59	No data
	✗	03/13/2013 13:32:59	03/13/2013 13:33:14	Tracked / Rejected
	✓	03/13/2013 13:33:14	03/13/2013 14:56:39	Tracked / Used
	✗	03/13/2013 14:56:39	03/13/2013 14:56:44	Tracked / Rejected
	✗	03/13/2013 14:56:44	03/13/2013 15:42:19	No data
G12	✓	03/13/2013 13:06:44	03/13/2013 13:19:24	Tracked / Used
	✗	03/13/2013 13:19:24	03/13/2013 13:20:19	No data
	✗	03/13/2013 13:20:19	03/13/2013 13:20:34	Tracked / Rejected
	✓	03/13/2013 13:20:34	03/13/2013 13:21:09	Tracked / Used
	✗	03/13/2013 13:21:09	03/13/2013 13:21:14	No data
	✗	03/13/2013 13:21:14	03/13/2013 13:21:24	Tracked / Rejected
	✓	03/13/2013 13:21:24	03/13/2013 13:59:14	Tracked / Used
	✗	03/13/2013 13:59:14	03/13/2013 13:59:19	No data
	✗	03/13/2013 13:59:19	03/13/2013 13:59:29	Tracked / Rejected
	✓	03/13/2013 13:59:29	03/13/2013 14:12:04	Tracked / Used
	✗	03/13/2013 14:12:04	03/13/2013 14:12:09	Tracked / Rejected
G14	✗	03/13/2013 14:12:09	03/13/2013 15:42:19	No data
	✓	03/13/2013 13:06:44	03/13/2013 15:42:19	Tracked / Used
G16	✗	03/13/2013 13:06:44	03/13/2013 15:24:59	No data
	✗	03/13/2013 15:24:59	03/13/2013 15:25:09	Tracked / Rejected
	✓	03/13/2013 15:25:09	03/13/2013 15:42:19	Tracked / Used
G18	✓	03/13/2013 13:06:44	03/13/2013 14:47:19	Tracked / Used
	✗	03/13/2013 14:47:19	03/13/2013 14:47:24	Tracked / Rejected
	✗	03/13/2013 14:47:24	03/13/2013 15:42:19	No data
G20	✗	03/13/2013 13:06:44	03/13/2013 15:15:44	No data
	✗	03/13/2013 15:15:44	03/13/2013 15:18:04	Tracked / Rejected

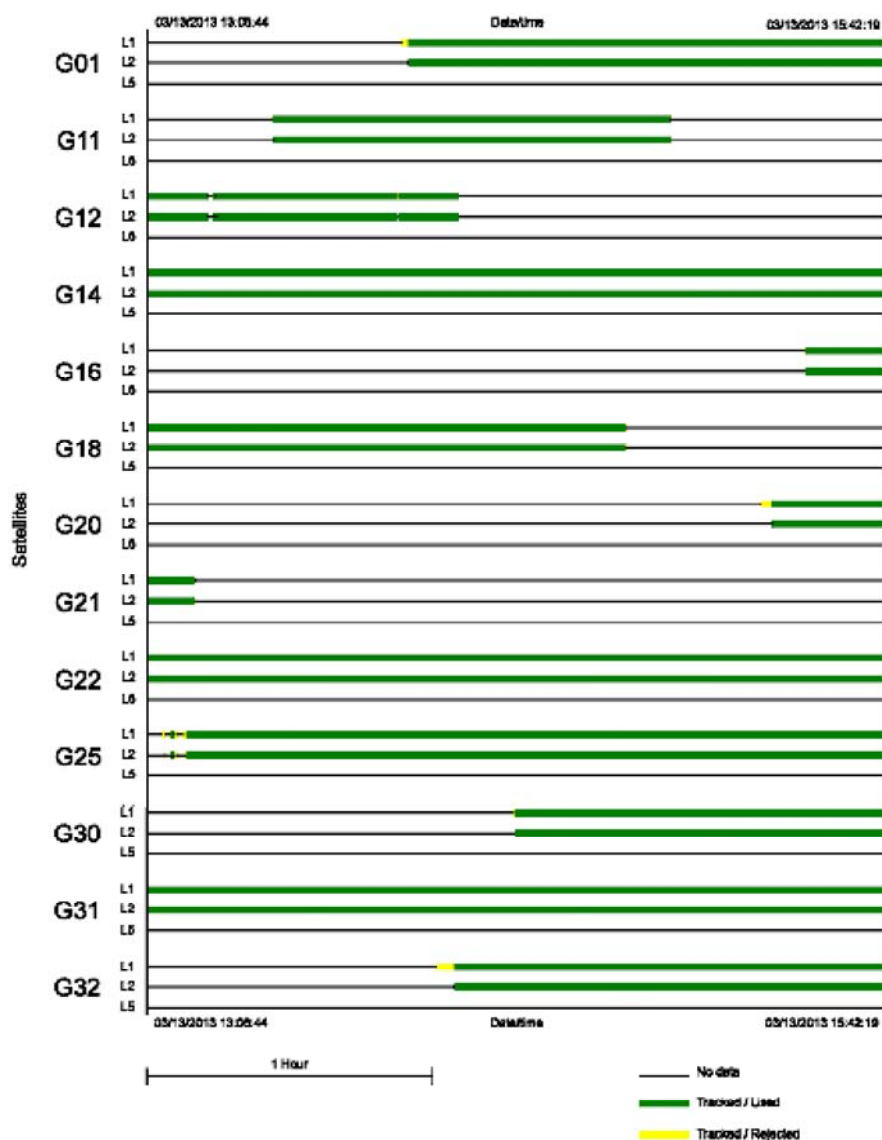
G21	✓	03/13/2013 15:18:04	03/13/2013 15:42:19	Tracked / Used
	✓	03/13/2013 13:06:44	03/13/2013 13:16:34	Tracked / Used
	✗	03/13/2013 13:16:34	03/13/2013 13:16:39	Tracked / Rejected
	✗	03/13/2013 13:16:39	03/13/2013 15:42:19	No data
G22	✓	03/13/2013 13:06:44	03/13/2013 15:42:19	Tracked / Used
G25	✗	03/13/2013 13:06:44	03/13/2013 13:09:44	No data
	✗	03/13/2013 13:09:44	03/13/2013 13:10:19	Tracked / Rejected
	✗	03/13/2013 13:10:19	03/13/2013 13:11:24	No data
	✗	03/13/2013 13:11:24	03/13/2013 13:11:39	Tracked / Rejected
	✓	03/13/2013 13:11:39	03/13/2013 13:12:14	Tracked / Used
	✗	03/13/2013 13:12:14	03/13/2013 13:12:24	No data
	✗	03/13/2013 13:12:24	03/13/2013 13:12:39	Tracked / Rejected
	✗	03/13/2013 13:12:39	03/13/2013 13:12:44	No data
	✗	03/13/2013 13:12:44	03/13/2013 13:12:59	Tracked / Rejected
	✗	03/13/2013 13:12:59	03/13/2013 13:14:14	No data
	✗	03/13/2013 13:14:14	03/13/2013 13:14:39	Tracked / Rejected
	✗	03/13/2013 13:14:39	03/13/2013 13:14:44	No data
	✗	03/13/2013 13:14:44	03/13/2013 13:14:54	Tracked / Rejected
	✓	03/13/2013 13:14:54	03/13/2013 15:42:19	Tracked / Used
	✗	03/13/2013 13:06:44	03/13/2013 14:23:59	No data
	✗	03/13/2013 14:23:59	03/13/2013 14:24:14	Tracked / Rejected
G30	✓	03/13/2013 14:24:14	03/13/2013 15:42:19	Tracked / Used
	✓	03/13/2013 13:06:44	03/13/2013 15:42:19	Tracked / Used
G31	✓	03/13/2013 13:06:44	03/13/2013 15:42:19	Tracked / Used
G32	✗	03/13/2013 13:06:44	03/13/2013 14:07:49	No data
	✗	03/13/2013 14:07:49	03/13/2013 14:11:29	Tracked / Rejected
	✓	03/13/2013 14:11:29	03/13/2013 15:42:19	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G01	✗	03/13/2013 13:06:44	03/13/2013 14:01:34	No data
	✓	03/13/2013 14:01:34	03/13/2013 15:42:19	Tracked / Used
G11	✗	03/13/2013 13:06:44	03/13/2013 13:33:14	No data
	✓	03/13/2013 13:33:14	03/13/2013 14:56:39	Tracked / Used
	✗	03/13/2013 14:56:39	03/13/2013 14:56:44	Tracked / Rejected
	✗	03/13/2013 14:56:44	03/13/2013 15:42:19	No data
G12	✓	03/13/2013 13:06:44	03/13/2013 13:19:24	Tracked / Used
	✗	03/13/2013 13:19:24	03/13/2013 13:20:34	No data
	✓	03/13/2013 13:20:34	03/13/2013 13:21:09	Tracked / Used
	✗	03/13/2013 13:21:09	03/13/2013 13:21:24	No data
	✓	03/13/2013 13:21:24	03/13/2013 13:59:14	Tracked / Used
	✗	03/13/2013 13:59:14	03/13/2013 13:59:29	No data
	✓	03/13/2013 13:59:29	03/13/2013 14:12:04	Tracked / Used
	✗	03/13/2013 14:12:04	03/13/2013 14:12:09	Tracked / Rejected
	✗	03/13/2013 14:12:09	03/13/2013 15:42:19	No data
	✓	03/13/2013 13:06:44	03/13/2013 15:42:19	Tracked / Used
G14	✓	03/13/2013 13:06:44	03/13/2013 15:42:19	Tracked / Used
G16	✗	03/13/2013 13:06:44	03/13/2013 15:25:09	No data
	✓	03/13/2013 15:25:09	03/13/2013 15:42:19	Tracked / Used
G18	✓	03/13/2013 13:06:44	03/13/2013 14:47:19	Tracked / Used
	✗	03/13/2013 14:47:19	03/13/2013 14:47:24	Tracked / Rejected
	✗	03/13/2013 14:47:24	03/13/2013 15:42:19	No data
G20		03/13/2013 13:06:44	03/13/2013 15:18:04	No data

	✗			
	✓	03/13/2013 15:18:04	03/13/2013 15:42:19	Tracked / Used
G21	✓	03/13/2013 13:06:44	03/13/2013 13:16:34	Tracked / Used
	✗	03/13/2013 13:16:34	03/13/2013 13:16:39	Tracked / Rejected
	✗	03/13/2013 13:16:39	03/13/2013 15:42:19	No data
G22	✓	03/13/2013 13:06:44	03/13/2013 15:42:19	Tracked / Used
G25	✗	03/13/2013 13:06:44	03/13/2013 13:10:14	No data
	✗	03/13/2013 13:10:14	03/13/2013 13:10:19	Tracked / Rejected
	✗	03/13/2013 13:10:19	03/13/2013 13:11:39	No data
	✓	03/13/2013 13:11:39	03/13/2013 13:12:14	Tracked / Used
	✗	03/13/2013 13:12:14	03/13/2013 13:12:34	No data
	✗	03/13/2013 13:12:34	03/13/2013 13:12:39	Tracked / Rejected
	✗	03/13/2013 13:12:39	03/13/2013 13:12:54	No data
	✗	03/13/2013 13:12:54	03/13/2013 13:12:59	Tracked / Rejected
	✗	03/13/2013 13:12:59	03/13/2013 13:14:29	No data
	✗	03/13/2013 13:14:29	03/13/2013 13:14:39	Tracked / Rejected
	✗	03/13/2013 13:14:39	03/13/2013 13:14:54	No data
	✓	03/13/2013 13:14:54	03/13/2013 15:42:19	Tracked / Used
G30	✗	03/13/2013 13:06:44	03/13/2013 14:24:14	No data
	✓	03/13/2013 14:24:14	03/13/2013 15:42:19	Tracked / Used
G31	✓	03/13/2013 13:06:44	03/13/2013 15:42:19	Tracked / Used
G32	✗	03/13/2013 13:06:44	03/13/2013 14:11:29	No data
	✓	03/13/2013 14:11:29	03/13/2013 15:42:19	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	42
Number of fixed GPS ambiguities:	34
Number of independent fixes:	392
Avg. time between independent fixes:	10"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/13/2013 13:06:44	03/13/2013 15:42:19	2h 35' 35"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:FAAL49B	Rover:146	
Coordinates:			
Latitude:	29° 27' 00.45845" N	29° 51' 27.08390" N	
Longitude:	90° 15' 41.30375" W	90° 00' 38.01029" W	
Ellip. Hgt:	-25.35603 m	-26.91164 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00030 m Posn. Qlty: 0.00041 m	Sd. Lon: 0.00029 m Sd. Slope: 0.00031 m	Sd. Hgt: 0.00070 m
M0:	0.39606 m		
Cofactor matrix Qxx:	0.00000056	0.00000006 0.00000052	-0.00000008 0.00000013 0.00000308
Baseline vector:	dLat: 0° 24' 26.62545" Slope: 51277.83977 m	dLon: 0° 15' 03.29346"	dHgt: -1.55561 m
DOPs (min-max):	GDOP: 1.9 - 5.5 PDOP: 1.7 - 4.5	HDOP: 0.8 - 2.0	VDOP: 1.5 - 4.0
Number of used satellites:	GPS: 13 GLONASS: -		

Results - Baseline

FAAL49B - 147

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:09

Point Information

	Reference: FAAL49B	Rover: 147
Receiver type / S/N:	SR530 / 34012	SR530 / 30486
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.31900 m	1.19300 m
Initial coordinates:		
Latitude:	29° 27' 00.45845" N	29° 51' 30.63606" N
Longitude:	90° 15' 41.30375" W	90° 00' 38.72845" W
Ellip. Hgt:	-25.35603 m	-31.00179 m
Time span:	03/13/2013 13:11:54 - 03/13/2013 15:41:59	
Duration:	2h 30' 05"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs):	None
Manually disabled GLONASS satellites (Slot Id):	None
Manually disabled Galileo satellites:	None

Computed Iono Model

Number of computed models:	2
Sampling rate of iono model:	30 sec
Height of single layer:	350 km

Model 1:

Origin of development:	Latitude:	29° 27' 00.45845" N
	Longitude:	90° 15' 41.30375" W
	Time (UT):	03/13/2013 12:36:49

Validity:	From epoch:	03/13/2013 07:36:49
	To epoch:	03/13/2013 11:40:37

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.05762995	0.00695951
	0	1	1.23551526	0.00659675
	0	2	-0.16605105	0.00339771
	1	0	-0.07537183	0.00626920
	1	1	-0.23424684	0.00565313

Model 2:

Origin of development:	Latitude:	29° 27' 00.45845" N
	Longitude:	90° 15' 41.30375" W
	Time (UT):	03/13/2013 16:40:37

Validity:	From epoch:	03/13/2013 11:40:37
	To epoch:	03/13/2013 15:44:24

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	3.56360227	0.02786621
	0	1	1.15348991	0.03646588
	0	2	-0.58603195	0.01448877
	1	0	-0.75345929	0.01719286
	1	1	0.07706843	0.01441498

Antenna Information

	Reference: FAAL49B	Rover: 147
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1802

GPS:

Number of used observations (L1): 13455

Number of rejected observations (L1): 555

Number of used observations (L2): 13455

Number of rejected observations (L2): 24

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✗	03/13/2013 13:11:54	03/13/2013 13:59:24	No data
	✓	03/13/2013 13:59:24	03/13/2013 15:41:59	Tracked / Used
G11	✗	03/13/2013 13:11:54	03/13/2013 13:31:49	No data
	✓	03/13/2013 13:31:49	03/13/2013 13:52:24	Tracked / Used
	✗	03/13/2013 13:52:24	03/13/2013 14:00:54	Tracked / Rejected
	✓	03/13/2013 14:00:54	03/13/2013 14:29:29	Tracked / Used
	✗	03/13/2013 14:29:29	03/13/2013 14:39:44	Tracked / Rejected
	✓	03/13/2013 14:39:44	03/13/2013 14:56:39	Tracked / Used
	✗	03/13/2013 14:56:39	03/13/2013 14:56:44	Tracked / Rejected
G12	✗	03/13/2013 14:56:44	03/13/2013 15:41:59	No data
	✗	03/13/2013 13:11:54	03/13/2013 13:12:24	Tracked / Rejected
	✓	03/13/2013 13:12:24	03/13/2013 14:12:04	Tracked / Used
	✗	03/13/2013 14:12:04	03/13/2013 14:12:09	Tracked / Rejected
	✗	03/13/2013 14:12:09	03/13/2013 15:41:59	No data
G14	✓	03/13/2013 13:11:54	03/13/2013 15:41:59	Tracked / Used
G16	✗	03/13/2013 13:11:54	03/13/2013 15:13:39	No data
	✗	03/13/2013 15:13:39	03/13/2013 15:13:44	Tracked / Rejected
	✗	03/13/2013 15:13:44	03/13/2013 15:24:24	No data
	✓	03/13/2013 15:24:24	03/13/2013 15:26:39	Tracked / Used
	✗	03/13/2013 15:26:39	03/13/2013 15:32:14	Tracked / Rejected
	✓	03/13/2013 15:32:14	03/13/2013 15:41:59	Tracked / Used
G18	✓	03/13/2013 13:11:54	03/13/2013 14:32:39	Tracked / Used
	✗	03/13/2013 14:32:39	03/13/2013 14:33:24	No data
	✗	03/13/2013 14:33:24	03/13/2013 14:33:39	Tracked / Rejected
	✓	03/13/2013 14:33:39	03/13/2013 14:38:44	Tracked / Used
	✗	03/13/2013 14:38:44	03/13/2013 14:42:29	Tracked / Rejected
	✓	03/13/2013 14:42:29	03/13/2013 14:47:19	Tracked / Used
	✗	03/13/2013 14:47:19	03/13/2013 14:47:24	Tracked / Rejected
	✗	03/13/2013 14:47:24	03/13/2013 15:41:59	No data

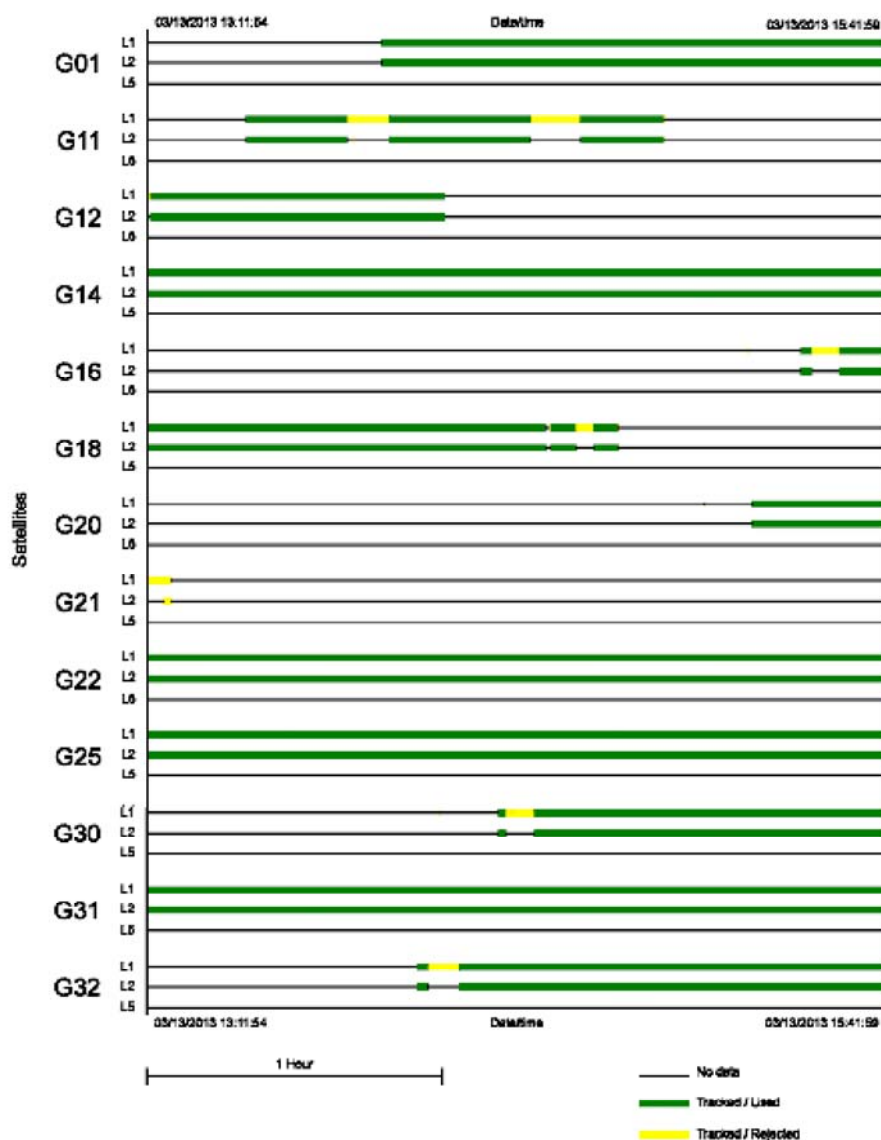
G20	✗	03/13/2013 13:11:54	03/13/2013 15:04:54	No data
	✗	03/13/2013 15:04:54	03/13/2013 15:04:59	Tracked / Rejected
	✗	03/13/2013 15:04:59	03/13/2013 15:14:34	No data
G21	✓	03/13/2013 15:14:34	03/13/2013 15:41:59	Tracked / Used
	✗	03/13/2013 13:11:54	03/13/2013 13:16:39	Tracked / Rejected
	✗	03/13/2013 13:16:39	03/13/2013 15:41:59	No data
G22	✓	03/13/2013 13:11:54	03/13/2013 15:41:59	Tracked / Used
G25	✓	03/13/2013 13:11:54	03/13/2013 15:41:59	Tracked / Used
G30	✗	03/13/2013 13:11:54	03/13/2013 14:11:19	No data
	✗	03/13/2013 14:11:19	03/13/2013 14:11:24	Tracked / Rejected
	✗	03/13/2013 14:11:24	03/13/2013 14:23:14	No data
	✓	03/13/2013 14:23:14	03/13/2013 14:24:44	Tracked / Used
	✗	03/13/2013 14:24:44	03/13/2013 14:25:49	Tracked / Rejected
	✗	03/13/2013 14:25:49	03/13/2013 14:25:54	No data
	✗	03/13/2013 14:25:54	03/13/2013 14:30:34	Tracked / Rejected
	✓	03/13/2013 14:30:34	03/13/2013 15:41:59	Tracked / Used
G31	✓	03/13/2013 13:11:54	03/13/2013 15:41:59	Tracked / Used
G32	✗	03/13/2013 13:11:54	03/13/2013 14:06:44	No data
	✓	03/13/2013 14:06:44	03/13/2013 14:08:54	Tracked / Used
	✗	03/13/2013 14:08:54	03/13/2013 14:15:19	Tracked / Rejected
	✓	03/13/2013 14:15:19	03/13/2013 15:41:59	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G01	✗	03/13/2013 13:11:54	03/13/2013 13:59:24	No data
	✓	03/13/2013 13:59:24	03/13/2013 15:41:59	Tracked / Used
G11	✗	03/13/2013 13:11:54	03/13/2013 13:31:49	No data
	✓	03/13/2013 13:31:49	03/13/2013 13:52:24	Tracked / Used
	✗	03/13/2013 13:52:24	03/13/2013 13:53:34	No data
	✗	03/13/2013 13:53:34	03/13/2013 13:53:49	Tracked / Rejected
	✗	03/13/2013 13:53:49	03/13/2013 14:00:54	No data
	✓	03/13/2013 14:00:54	03/13/2013 14:29:29	Tracked / Used
	✗	03/13/2013 14:29:29	03/13/2013 14:39:44	No data
	✓	03/13/2013 14:39:44	03/13/2013 14:56:39	Tracked / Used
	✗	03/13/2013 14:56:39	03/13/2013 14:56:44	Tracked / Rejected
G12	✗	03/13/2013 14:56:44	03/13/2013 15:41:59	No data
	✗	03/13/2013 13:11:54	03/13/2013 13:12:24	No data
	✓	03/13/2013 13:12:24	03/13/2013 14:12:04	Tracked / Used
	✗	03/13/2013 14:12:04	03/13/2013 14:12:09	Tracked / Rejected
	✗	03/13/2013 14:12:09	03/13/2013 15:41:59	No data
G14	✓	03/13/2013 13:11:54	03/13/2013 15:41:59	Tracked / Used
G16	✗	03/13/2013 13:11:54	03/13/2013 15:24:24	No data
	✓	03/13/2013 15:24:24	03/13/2013 15:26:39	Tracked / Used
	✗	03/13/2013 15:26:39	03/13/2013 15:32:14	No data
	✓	03/13/2013 15:32:14	03/13/2013 15:41:59	Tracked / Used
	✓	03/13/2013 13:11:54	03/13/2013 14:32:39	Tracked / Used
	✗	03/13/2013 14:32:39	03/13/2013 14:33:39	No data
G18	✓	03/13/2013 14:33:39	03/13/2013 14:38:44	Tracked / Used
	✗	03/13/2013 14:38:44	03/13/2013 14:42:29	No data
	✓	03/13/2013 14:42:29	03/13/2013 14:47:19	Tracked / Used
		03/13/2013 14:47:19	03/13/2013 14:47:24	Tracked / Rejected

	✗			
	✗	03/13/2013 14:47:24	03/13/2013 15:41:59	No data
G20	✗	03/13/2013 13:11:54	03/13/2013 15:14:34	No data
	✓	03/13/2013 15:14:34	03/13/2013 15:41:59	Tracked / Used
G21	✗	03/13/2013 13:11:54	03/13/2013 13:15:09	No data
	✗	03/13/2013 13:15:09	03/13/2013 13:16:39	Tracked / Rejected
	✗	03/13/2013 13:16:39	03/13/2013 15:41:59	No data
G22	✓	03/13/2013 13:11:54	03/13/2013 15:41:59	Tracked / Used
G25	✓	03/13/2013 13:11:54	03/13/2013 15:41:59	Tracked / Used
G30	✗	03/13/2013 13:11:54	03/13/2013 14:23:14	No data
	✓	03/13/2013 14:23:14	03/13/2013 14:24:44	Tracked / Used
	✗	03/13/2013 14:24:44	03/13/2013 14:30:34	No data
	✓	03/13/2013 14:30:34	03/13/2013 15:41:59	Tracked / Used
G31	✓	03/13/2013 13:11:54	03/13/2013 15:41:59	Tracked / Used
G32	✗	03/13/2013 13:11:54	03/13/2013 14:06:44	No data
	✓	03/13/2013 14:06:44	03/13/2013 14:08:54	Tracked / Used
	✗	03/13/2013 14:08:54	03/13/2013 14:15:19	No data
	✓	03/13/2013 14:15:19	03/13/2013 15:41:59	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	39
Number of fixed GPS ambiguities:	33
Number of independent fixes:	344
Avg. time between independent fixes:	10"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/13/2013 13:11:54	03/13/2013 15:41:59	2h 30' 05"

Cycle Slip Statistics

Total number of cycle slips: 2

Time	Satellite	Frequency	Slip value	Flags
03/13/2013 14:32:29	G18	L1	-	flagged
03/13/2013 14:32:29	G18	L2	-	flagged

Final Coordinates

	Reference:FAAL49B	Rover:147	
Coordinates:			
Latitude:	29° 27' 00.45845" N	29° 51' 30.54009" N	
Longitude:	90° 15' 41.30375" W	90° 00' 38.74333" W	
Ellip. Hgt:	-25.35603 m	-27.59159 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00028 m	Sd. Lon: 0.00027 m	Sd. Hgt: 0.00065 m
	Posn. Qlty: 0.00038 m	Sd. Slope: 0.00029 m	
M0:	0.36152 m		
Cofactor matrix Qxx:	0.00000058	0.00000007 0.00000054	-0.00000004 0.00000017 0.00000327
Baseline vector:	dLat: 0° 24' 30.08164" Slope: 51362.20743 m	dLon: 0° 15' 02.56042"	dHgt: -2.23556 m
DOPs (min-max):	GDOP: 1.9 - 5.7 PDOP: 1.7 - 4.7	HDOP: 0.8 - 2.2	VDOP: 1.5 - 4.1
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

FAAL49B - 526

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:58

Point Information

	Reference: FAAL49B	Rover: 526
Receiver type / S/N:	SR530 / 34012	GRX1200GGPRO / 353211
Antenna type / S/N:	AT502 Tripod / -	AX1202 GG Tripod / -
Antenna height:	1.31900 m	1.26400 m
Initial coordinates:		
Latitude:	29° 27' 00.45845" N	29° 46' 28.44043" N
Longitude:	90° 15' 41.30375" W	90° 06' 01.61540" W
Ellip. Hgt:	-25.35603 m	-26.03885 m
Time span:	03/13/2013 08:20:29 - 03/13/2013 11:07:34	
Duration:	2h 47' 05"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 00.45845" N
 Longitude: 90° 15' 41.30375" W
 Time (UT): 03/13/2013 12:36:49

Validity: From epoch: 03/13/2013 07:36:49
 To epoch: 03/13/2013 11:40:37

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.05762995	0.00695951
	0	1	1.23551526	0.00659675
	0	2	-0.16605105	0.00339771
	1	0	-0.07537183	0.00626920
	1	1	-0.23424684	0.00565313

Antenna Information

	Reference: FAAL49B	Rover: 526
Antenna type:	AT502 Tripod	AX1202 GG Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06440 m	0.06400 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.3	1.2	2.6	4.4	6.4	8.5	10.4	12.1	13.4	14.3	14.8	15.1	15.1	14.6	13.6	11.9	9.2	5.9
0° L2	0.0	0.1	0.6	1.2	2.1	3.0	4.0	5.1	6.1	6.9	7.4	7.6	7.4	6.8	6.1	5.1	3.8	1.9	-0.8

Observation Statistics

Number of common epochs: 2006

GPS:

Number of used observations (L1): 15200
 Number of rejected observations (L1): 16
 Number of used observations (L2): 15200
 Number of rejected observations (L2): 14

Tracking Status GPS L1:

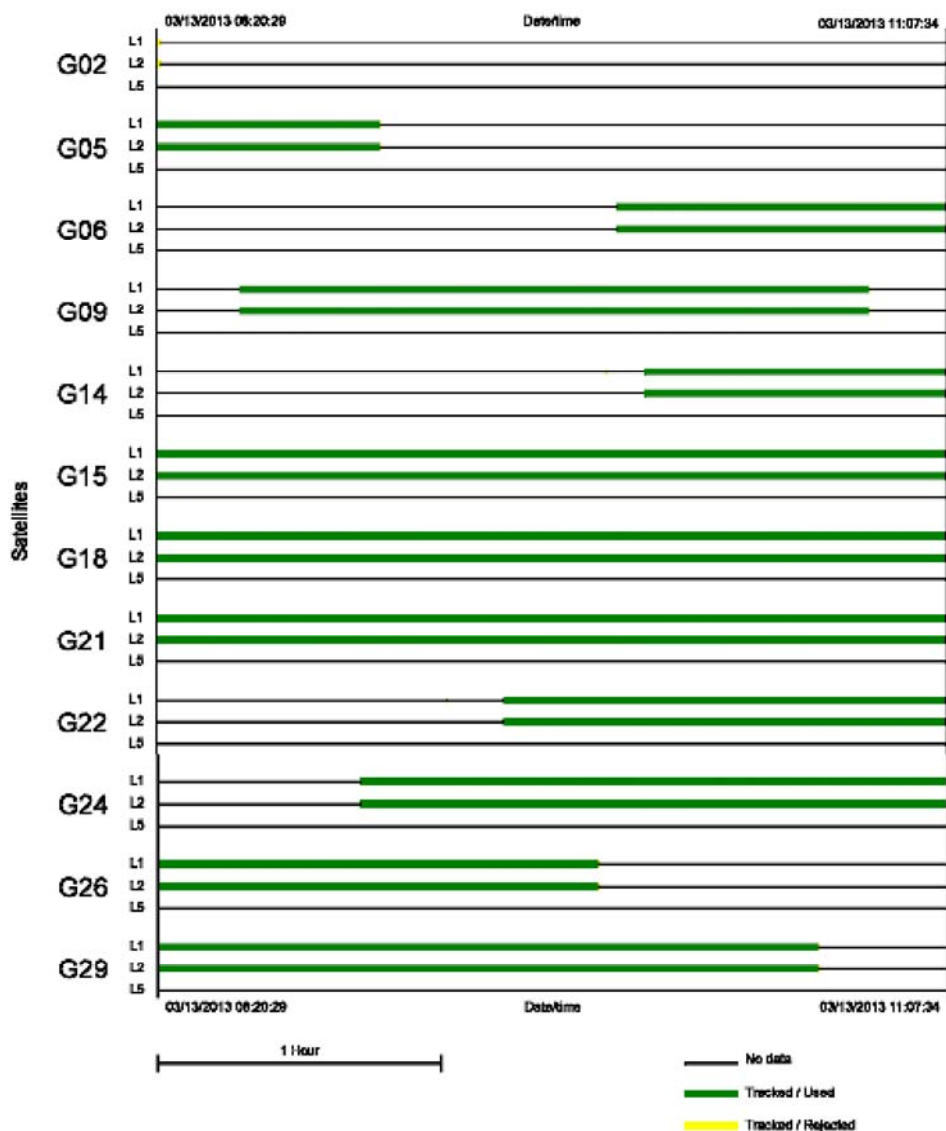
Satellite		From	To	Status
G02	✗	03/13/2013 08:20:29	03/13/2013 08:21:14	Tracked / Rejected
	✗	03/13/2013 08:21:14	03/13/2013 11:07:34	No data
G05	✓	03/13/2013 08:20:29	03/13/2013 09:07:44	Tracked / Used
	✗	03/13/2013 09:07:44	03/13/2013 09:07:49	Tracked / Rejected
	✗	03/13/2013 09:07:49	03/13/2013 11:07:34	No data
G06	✗	03/13/2013 08:20:29	03/13/2013 09:48:04	No data
	✗	03/13/2013 09:48:04	03/13/2013 09:48:09	Tracked / Rejected
	✗	03/13/2013 09:48:09	03/13/2013 09:57:49	No data
	✓	03/13/2013 09:57:49	03/13/2013 11:07:34	Tracked / Used
G09	✗	03/13/2013 08:20:29	03/13/2013 08:37:59	No data
	✓	03/13/2013 08:37:59	03/13/2013 10:51:04	Tracked / Used
	✗	03/13/2013 10:51:04	03/13/2013 10:51:09	Tracked / Rejected
	✗	03/13/2013 10:51:09	03/13/2013 11:07:34	No data
G14	✗	03/13/2013 08:20:29	03/13/2013 09:55:29	No data
	✗	03/13/2013 09:55:29	03/13/2013 09:55:34	Tracked / Rejected
	✗	03/13/2013 09:55:34	03/13/2013 10:03:39	No data
	✓	03/13/2013 10:03:39	03/13/2013 11:07:34	Tracked / Used
G15	✓	03/13/2013 08:20:29	03/13/2013 11:07:34	Tracked / Used
G18	✓	03/13/2013 08:20:29	03/13/2013 11:07:34	Tracked / Used
G21	✓	03/13/2013 08:20:29	03/13/2013 11:07:34	Tracked / Used
G22	✗	03/13/2013 08:20:29	03/13/2013 09:21:54	No data
	✗	03/13/2013 09:21:54	03/13/2013 09:21:59	Tracked / Rejected
	✗	03/13/2013 09:21:59	03/13/2013 09:33:49	No data
	✓	03/13/2013 09:33:49	03/13/2013 11:07:34	Tracked / Used
G24	✗	03/13/2013 08:20:29	03/13/2013 09:03:24	No data
	✓	03/13/2013 09:03:24	03/13/2013 11:07:34	Tracked / Used
G26	✓	03/13/2013 08:20:29	03/13/2013 09:53:39	Tracked / Used
	✗	03/13/2013 09:53:39	03/13/2013 09:53:44	Tracked / Rejected
	✗	03/13/2013 09:53:44	03/13/2013 11:07:34	No data
G29	✓	03/13/2013 08:20:29	03/13/2013 10:40:14	Tracked / Used
	✗	03/13/2013 10:40:14	03/13/2013 10:40:19	Tracked / Rejected
	✗	03/13/2013 10:40:19	03/13/2013 11:07:34	No data

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✗	03/13/2013 08:20:29	03/13/2013 08:21:14	Tracked / Rejected
	✗	03/13/2013 08:21:14	03/13/2013 11:07:34	No data
G05	✓	03/13/2013 08:20:29	03/13/2013 09:07:44	Tracked / Used
	✗	03/13/2013 09:07:44	03/13/2013 09:07:49	Tracked / Rejected
	✗	03/13/2013 09:07:49	03/13/2013 11:07:34	No data
G06	✗	03/13/2013 08:20:29	03/13/2013 09:48:04	No data
	✗	03/13/2013 09:48:04	03/13/2013 09:48:09	Tracked / Rejected
	✗	03/13/2013 09:48:09	03/13/2013 09:57:49	No data

	✓	03/13/2013 09:57:49	03/13/2013 11:07:34	Tracked / Used
G09	✗	03/13/2013 08:20:29	03/13/2013 08:37:59	No data
	✓	03/13/2013 08:37:59	03/13/2013 10:51:04	Tracked / Used
	✗	03/13/2013 10:51:04	03/13/2013 10:51:09	Tracked / Rejected
	✗	03/13/2013 10:51:09	03/13/2013 11:07:34	No data
G14	✗	03/13/2013 08:20:29	03/13/2013 10:03:39	No data
	✓	03/13/2013 10:03:39	03/13/2013 11:07:34	Tracked / Used
G15	✓	03/13/2013 08:20:29	03/13/2013 11:07:34	Tracked / Used
G18	✓	03/13/2013 08:20:29	03/13/2013 11:07:34	Tracked / Used
G21	✓	03/13/2013 08:20:29	03/13/2013 11:07:34	Tracked / Used
G22	✗	03/13/2013 08:20:29	03/13/2013 09:33:49	No data
	✓	03/13/2013 09:33:49	03/13/2013 11:07:34	Tracked / Used
G24	✗	03/13/2013 08:20:29	03/13/2013 09:03:24	No data
	✓	03/13/2013 09:03:24	03/13/2013 11:07:34	Tracked / Used
G26	✓	03/13/2013 08:20:29	03/13/2013 09:53:39	Tracked / Used
	✗	03/13/2013 09:53:39	03/13/2013 09:53:44	Tracked / Rejected
	✗	03/13/2013 09:53:44	03/13/2013 11:07:34	No data
G29	✓	03/13/2013 08:20:29	03/13/2013 10:40:14	Tracked / Used
	✗	03/13/2013 10:40:14	03/13/2013 10:40:19	Tracked / Rejected
	✗	03/13/2013 10:40:19	03/13/2013 11:07:34	No data

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 28
 Number of fixed GPS ambiguities: 22
 Number of independent fixes: 638
 Avg. time between independent fixes: 5"

Percentage of fixed epochs (L1): 100%
 Percentage of fixed epochs (L2): 100%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/13/2013 08:20:29	03/13/2013 11:07:34	2h 47' 05"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:FAAL49B	Rover:526	
Coordinates:			
Latitude:	29° 27' 00.45845" N	29° 46' 28.39476" N	
Longitude:	90° 15' 41.30375" W	90° 06' 01.62505" W	
Ellip. Hgt:	-25.35603 m	-24.48626 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00025 m Posn. Qlty: 0.00032 m	Sd. Lon: 0.00020 m Sd. Slope: 0.00024 m	Sd. Hgt: 0.00054 m
M0:	0.32516 m		
Cofactor matrix Qxx:	0.00000060	-0.00000001 0.00000038	-0.00000001 0.00000001 0.00000274
Baseline vector:	dLat: 0° 19' 27.93631" Slope: 39197.59874 m	dLon: 0° 09' 39.67870"	dHgt: 0.86977 m
DOPs (min-max):	GDOP: 1.9 - 4.3 PDOP: 1.7 - 3.6	HDOP: 0.8 - 2.0	VDOP: 1.4 - 3.0
Number of used satellites:	GPS: 11 GLONASS: -		

Results - Baseline

FAAL49B - 527

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:53

Point Information

	Reference: FAAL49B	Rover: 527
Receiver type / S/N:	SR530 / 34012	ATX1230 / 316021
Antenna type / S/N:	AT502 Tripod / -	ATX1230 Tripod / -
Antenna height:	1.31900 m	1.21700 m
Initial coordinates:		
Latitude:	29° 27' 00.45845" N	29° 46' 31.09656" N
Longitude:	90° 15' 41.30375" W	90° 06' 01.45173" W
Ellip. Hgt:	-25.35603 m	-26.09537 m
Time span:	03/13/2013 08:30:29 - 03/13/2013 11:01:59	
Duration:	2h 31' 30"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	15	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 00.45845" N
 Longitude: 90° 15' 41.30375" W
 Time (UT): 03/13/2013 12:36:49

Validity: From epoch: 03/13/2013 07:36:49
 To epoch: 03/13/2013 11:40:37

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.05762995	0.00695951
	0	1	1.23551526	0.00659675
	0	2	-0.16605105	0.00339771
	1	0	-0.07537183	0.00626920
	1	1	-0.23424684	0.00565313

Antenna Information

	Reference: FAAL49B	Rover: 527
Antenna type:	AT502 Tripod	ATX1230 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.08880 m	0.08850 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.4	1.4	2.8	4.5	6.4	8.4	10.2	12.0	13.5	14.8	15.6	15.8	15.6	14.8	13.5	11.7	9.2	6.0
0° L2	0.0	0.2	0.6	1.3	2.1	3.1	4.0	5.0	5.9	6.7	7.3	7.7	7.7	7.4	6.7	5.7	4.0	1.7	-1.6

Observation Statistics

Number of common epochs: 607

GPS:

Number of used observations (L1): 4587
 Number of rejected observations (L1): 96
 Number of used observations (L2): 4587
 Number of rejected observations (L2): 96

Tracking Status GPS L1:

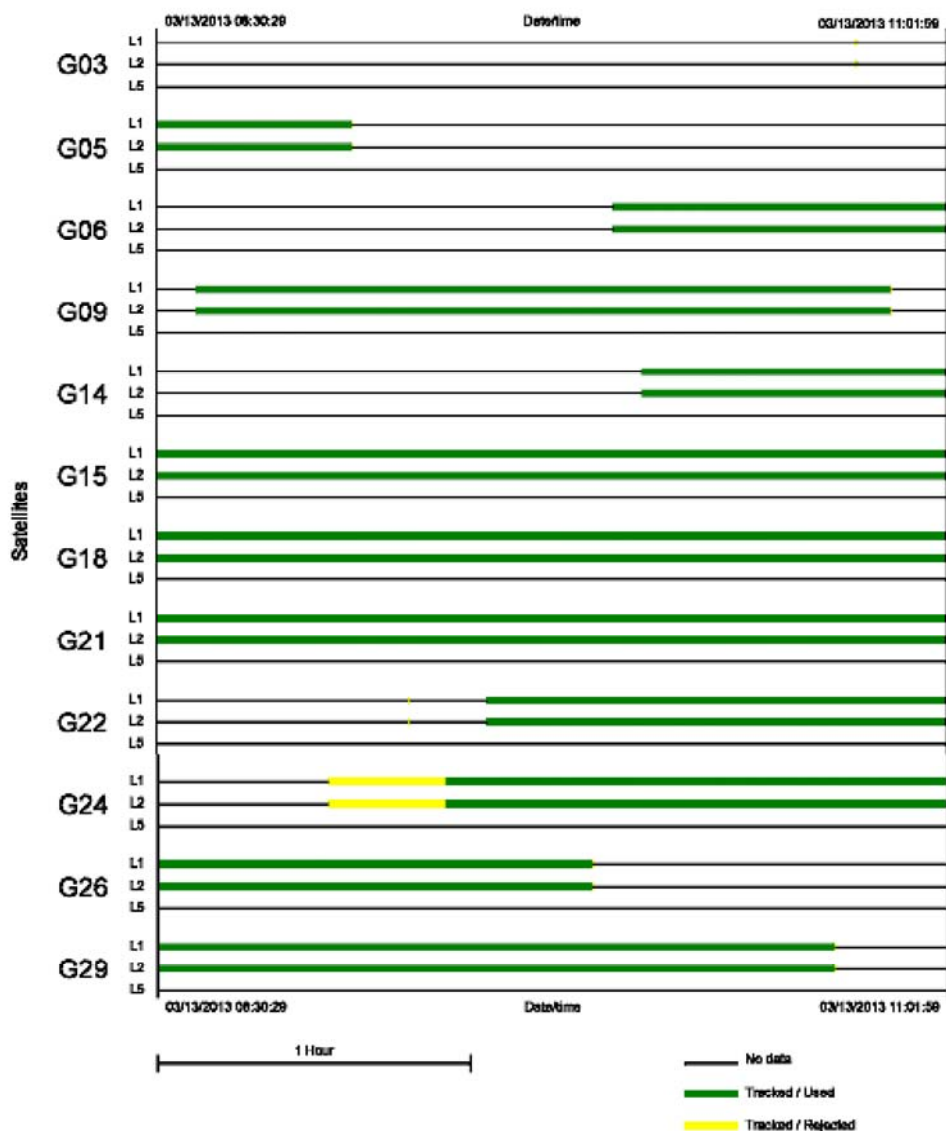
Satellite		From	To	Status
G03	✗	03/13/2013 08:30:29	03/13/2013 10:44:29	No data
	✗	03/13/2013 10:44:29	03/13/2013 10:44:44	Tracked / Rejected
	✗	03/13/2013 10:44:44	03/13/2013 11:01:59	No data
G05	✓	03/13/2013 08:30:29	03/13/2013 09:07:44	Tracked / Used
	✗	03/13/2013 09:07:44	03/13/2013 09:07:59	Tracked / Rejected
	✗	03/13/2013 09:07:59	03/13/2013 11:01:59	No data
G06	✗	03/13/2013 08:30:29	03/13/2013 09:57:59	No data
	✓	03/13/2013 09:57:59	03/13/2013 11:01:59	Tracked / Used
G09	✗	03/13/2013 08:30:29	03/13/2013 08:37:59	No data
	✓	03/13/2013 08:37:59	03/13/2013 10:51:14	Tracked / Used
	✗	03/13/2013 10:51:14	03/13/2013 10:51:29	Tracked / Rejected
	✗	03/13/2013 10:51:29	03/13/2013 11:01:59	No data
G14	✗	03/13/2013 08:30:29	03/13/2013 10:03:29	No data
	✓	03/13/2013 10:03:29	03/13/2013 11:01:59	Tracked / Used
G15	✓	03/13/2013 08:30:29	03/13/2013 11:01:59	Tracked / Used
G18	✓	03/13/2013 08:30:29	03/13/2013 11:01:59	Tracked / Used
G21	✓	03/13/2013 08:30:29	03/13/2013 11:01:59	Tracked / Used
G22	✗	03/13/2013 08:30:29	03/13/2013 09:18:44	No data
	✗	03/13/2013 09:18:44	03/13/2013 09:18:59	Tracked / Rejected
	✗	03/13/2013 09:18:59	03/13/2013 09:33:44	No data
	✓	03/13/2013 09:33:44	03/13/2013 11:01:59	Tracked / Used
G24	✗	03/13/2013 08:30:29	03/13/2013 09:03:14	No data
	✗	03/13/2013 09:03:14	03/13/2013 09:25:44	Tracked / Rejected
	✓	03/13/2013 09:25:44	03/13/2013 11:01:59	Tracked / Used
G26	✓	03/13/2013 08:30:29	03/13/2013 09:53:44	Tracked / Used
	✗	03/13/2013 09:53:44	03/13/2013 09:53:59	Tracked / Rejected
	✗	03/13/2013 09:53:59	03/13/2013 11:01:59	No data
G29	✓	03/13/2013 08:30:29	03/13/2013 10:40:14	Tracked / Used
	✗	03/13/2013 10:40:14	03/13/2013 10:40:29	Tracked / Rejected
	✗	03/13/2013 10:40:29	03/13/2013 11:01:59	No data

Tracking Status GPS L2:

Satellite		From	To	Status
G03	✗	03/13/2013 08:30:29	03/13/2013 10:44:29	No data
	✗	03/13/2013 10:44:29	03/13/2013 10:44:44	Tracked / Rejected
	✗	03/13/2013 10:44:44	03/13/2013 11:01:59	No data
G05	✓	03/13/2013 08:30:29	03/13/2013 09:07:44	Tracked / Used
	✗	03/13/2013 09:07:44	03/13/2013 09:07:59	Tracked / Rejected
	✗	03/13/2013 09:07:59	03/13/2013 11:01:59	No data
G06	✗	03/13/2013 08:30:29	03/13/2013 09:57:59	No data
	✓	03/13/2013 09:57:59	03/13/2013 11:01:59	Tracked / Used
G09	✗	03/13/2013 08:30:29	03/13/2013 08:37:59	No data
	✓	03/13/2013 08:37:59	03/13/2013 10:51:14	Tracked / Used

	✗	03/13/2013 10:51:14	03/13/2013 10:51:29	Tracked / Rejected
	✗	03/13/2013 10:51:29	03/13/2013 11:01:59	No data
G14	✗	03/13/2013 08:30:29	03/13/2013 10:03:29	No data
	✓	03/13/2013 10:03:29	03/13/2013 11:01:59	Tracked / Used
G15	✓	03/13/2013 08:30:29	03/13/2013 11:01:59	Tracked / Used
G18	✓	03/13/2013 08:30:29	03/13/2013 11:01:59	Tracked / Used
G21	✓	03/13/2013 08:30:29	03/13/2013 11:01:59	Tracked / Used
G22	✗	03/13/2013 08:30:29	03/13/2013 09:18:44	No data
	✗	03/13/2013 09:18:44	03/13/2013 09:18:59	Tracked / Rejected
	✗	03/13/2013 09:18:59	03/13/2013 09:33:44	No data
	✓	03/13/2013 09:33:44	03/13/2013 11:01:59	Tracked / Used
G24	✗	03/13/2013 08:30:29	03/13/2013 09:03:14	No data
	✗	03/13/2013 09:03:14	03/13/2013 09:25:44	Tracked / Rejected
	✓	03/13/2013 09:25:44	03/13/2013 11:01:59	Tracked / Used
G26	✓	03/13/2013 08:30:29	03/13/2013 09:53:44	Tracked / Used
	✗	03/13/2013 09:53:44	03/13/2013 09:53:59	Tracked / Rejected
	✗	03/13/2013 09:53:59	03/13/2013 11:01:59	No data
G29	✓	03/13/2013 08:30:29	03/13/2013 10:40:14	Tracked / Used
	✗	03/13/2013 10:40:14	03/13/2013 10:40:29	Tracked / Rejected
	✗	03/13/2013 10:40:29	03/13/2013 11:01:59	No data

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 25
 Number of fixed GPS ambiguities: 22
 Number of independent fixes: 196
 Avg. time between independent fixes: 15"

Percentage of fixed epochs (L1): 100%
 Percentage of fixed epochs (L2): 100%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/13/2013 08:30:29	03/13/2013 11:01:59	2h 31' 30"

Cycle Slip Statistics

Total number of cycle slips: 2

Time	Satellite	Frequency	Slip value	Flags
03/13/2013 09:23:44	G09	L1	-19.00	flagged
03/13/2013 09:23:44	G09	L2	-7.00	flagged

Final Coordinates

	Reference:FAAL49B	Rover:527	
Coordinates:			
Latitude:	29° 27' 00.45845" N	29° 46' 31.05014" N	
Longitude:	90° 15' 41.30375" W	90° 06' 01.46418" W	
Ellip. Hgt:	-25.35603 m	-24.52834 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00048 m Posn. Qlty: 0.00062 m	Sd. Lon: 0.00039 m Sd. Slope: 0.00046 m	Sd. Hgt: 0.00104 m
M0:	0.34331 m		
Cofactor matrix Qxx:	0.00000198	-0.00000005 0.00000127	-0.00000013 0.00000008 0.00000925
Baseline vector:	dLat: 0° 19' 30.59169" Slope: 39274.31965 m	dLon: 0° 09' 39.83957"	dHgt: 0.82768 m
DOPs (min-max):	GDOP: 1.9 - 4.3 PDOP: 1.7 - 3.6	HDOP: 0.8 - 2.0	VDOP: 1.4 - 3.0
Number of used satellites:	GPS: 11 GLONASS: -		

Results - Baseline

FAAL49B - 538

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:59

Point Information

	Reference: FAAL49B	Rover: 538
Receiver type / S/N:	SR530 / 34012	GRX1200GGPRO / 353211
Antenna type / S/N:	AT502 Tripod / -	AX1202 GG Tripod / -
Antenna height:	1.31900 m	1.22000 m
Initial coordinates:		
Latitude:	29° 27' 00.45845" N	29° 39' 21.97761" N
Longitude:	90° 15' 41.30375" W	90° 06' 28.83398" W
Ellip. Hgt:	-25.35603 m	-27.62806 m
Time span:	03/13/2013 12:25:54 - 03/13/2013 15:00:04	
Duration:	2h 34' 10"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 2
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 00.45845" N
 Longitude: 90° 15' 41.30375" W
 Time (UT): 03/13/2013 12:36:49

Validity: From epoch: 03/13/2013 07:36:49
 To epoch: 03/13/2013 11:40:37

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.05762995	0.00695951
	0	1	1.23551526	0.00659675
	0	2	-0.16605105	0.00339771
	1	0	-0.07537183	0.00626920
	1	1	-0.23424684	0.00565313

Model 2:

Origin of development: Latitude: 29° 27' 00.45845" N
 Longitude: 90° 15' 41.30375" W
 Time (UT): 03/13/2013 16:40:37

Validity: From epoch: 03/13/2013 11:40:37
 To epoch: 03/13/2013 15:44:24

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	3.56360227	0.02786621
	0	1	1.15348991	0.03646588
	0	2	-0.58603195	0.01448877
	1	0	-0.75345929	0.01719286
	1	1	0.07706843	0.01441498

Antenna Information

	Reference: FAAL49B	Rover: 538
Antenna type:	AT502 Tripod	AX1202 GG Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06440 m	0.06400 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.3	1.2	2.6	4.4	6.4	8.5	10.4	12.1	13.4	14.3	14.8	15.1	15.1	14.6	13.6	11.9	9.2	5.9
0° L2	0.0	0.1	0.6	1.2	2.1	3.0	4.0	5.1	6.1	6.9	7.4	7.6	7.4	6.8	6.1	5.1	3.8	1.9	-0.8

Observation Statistics

Number of common epochs: 1851

GPS:

Number of used observations (L1): 13708

Number of rejected observations (L1): 9

Number of used observations (L2): 13708

Number of rejected observations (L2): 7

Tracking Status GPS L1:

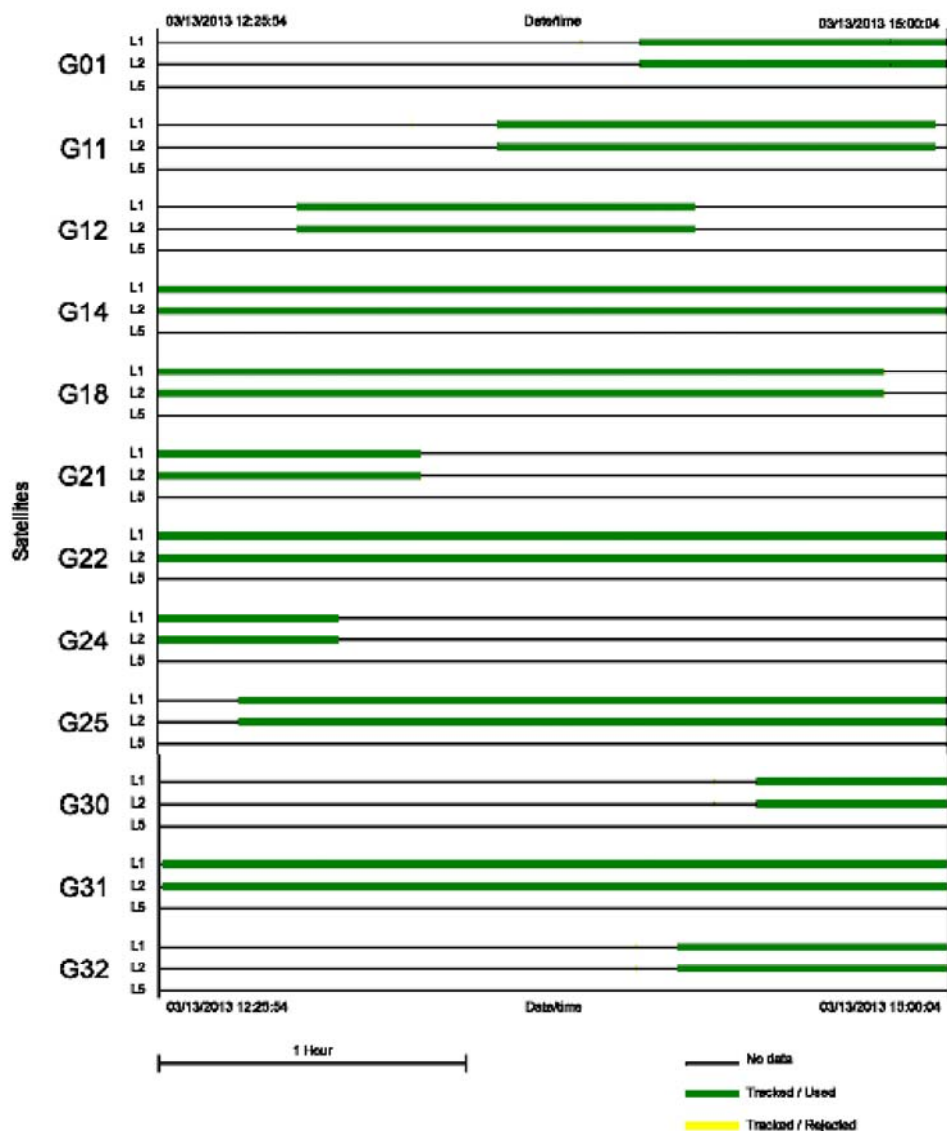
Satellite		From	To	Status
G01	✗	03/13/2013 12:25:54	03/13/2013 13:48:29	No data
	✗	03/13/2013 13:48:29	03/13/2013 13:48:34	Tracked / Rejected
	✗	03/13/2013 13:48:34	03/13/2013 13:59:59	No data
	✓	03/13/2013 13:59:59	03/13/2013 14:48:59	Tracked / Used
	✗	03/13/2013 14:48:59	03/13/2013 14:49:04	No data
	✓	03/13/2013 14:49:04	03/13/2013 15:00:04	Tracked / Used
G11	✗	03/13/2013 12:25:54	03/13/2013 13:15:29	No data
	✗	03/13/2013 13:15:29	03/13/2013 13:15:34	Tracked / Rejected
	✗	03/13/2013 13:15:34	03/13/2013 13:32:09	No data
	✓	03/13/2013 13:32:09	03/13/2013 14:57:34	Tracked / Used
	✗	03/13/2013 14:57:34	03/13/2013 14:57:39	Tracked / Rejected
	✗	03/13/2013 14:57:39	03/13/2013 15:00:04	No data
G12	✗	03/13/2013 12:25:54	03/13/2013 12:53:04	No data
	✓	03/13/2013 12:53:04	03/13/2013 14:10:44	Tracked / Used
	✗	03/13/2013 14:10:44	03/13/2013 14:10:49	Tracked / Rejected
	✗	03/13/2013 14:10:49	03/13/2013 15:00:04	No data
G14	✓	03/13/2013 12:25:54	03/13/2013 15:00:04	Tracked / Used
G18	✓	03/13/2013 12:25:54	03/13/2013 14:47:34	Tracked / Used
	✗	03/13/2013 14:47:34	03/13/2013 14:47:39	Tracked / Rejected
	✗	03/13/2013 14:47:39	03/13/2013 15:00:04	No data
G21	✓	03/13/2013 12:25:54	03/13/2013 13:17:04	Tracked / Used
	✗	03/13/2013 13:17:04	03/13/2013 13:17:09	Tracked / Rejected
	✗	03/13/2013 13:17:09	03/13/2013 15:00:04	No data
G22	✓	03/13/2013 12:25:54	03/13/2013 15:00:04	Tracked / Used
G24	✓	03/13/2013 12:25:54	03/13/2013 13:01:04	Tracked / Used
	✗	03/13/2013 13:01:04	03/13/2013 13:01:09	Tracked / Rejected
	✗	03/13/2013 13:01:09	03/13/2013 15:00:04	No data
G25	✗	03/13/2013 12:25:54	03/13/2013 12:41:39	No data
	✓	03/13/2013 12:41:39	03/13/2013 15:00:04	Tracked / Used

G30	✗	03/13/2013 12:25:54	03/13/2013 14:14:24	No data
	✗	03/13/2013 14:14:24	03/13/2013 14:14:29	Tracked / Rejected
	✗	03/13/2013 14:14:29	03/13/2013 14:22:34	No data
G31	✓	03/13/2013 14:22:34	03/13/2013 15:00:04	Tracked / Used
	✗	03/13/2013 12:25:54	03/13/2013 12:26:39	No data
	✓	03/13/2013 12:26:39	03/13/2013 15:00:04	Tracked / Used
G32	✗	03/13/2013 12:25:54	03/13/2013 13:58:54	No data
	✗	03/13/2013 13:58:54	03/13/2013 13:58:59	Tracked / Rejected
	✗	03/13/2013 13:58:59	03/13/2013 14:07:04	No data
	✓	03/13/2013 14:07:04	03/13/2013 15:00:04	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G01	✗	03/13/2013 12:25:54	03/13/2013 13:59:59	No data
	✓	03/13/2013 13:59:59	03/13/2013 14:48:59	Tracked / Used
	✗	03/13/2013 14:48:59	03/13/2013 14:49:04	No data
G11	✓	03/13/2013 14:49:04	03/13/2013 15:00:04	Tracked / Used
	✗	03/13/2013 12:25:54	03/13/2013 13:32:09	No data
	✓	03/13/2013 13:32:09	03/13/2013 14:57:34	Tracked / Used
G12	✗	03/13/2013 14:57:34	03/13/2013 14:57:39	Tracked / Rejected
	✗	03/13/2013 14:57:39	03/13/2013 15:00:04	No data
	✗	03/13/2013 12:25:54	03/13/2013 12:53:04	No data
G14	✓	03/13/2013 12:53:04	03/13/2013 14:10:44	Tracked / Used
	✗	03/13/2013 14:10:44	03/13/2013 14:10:49	Tracked / Rejected
	✗	03/13/2013 14:10:49	03/13/2013 15:00:04	No data
G18	✓	03/13/2013 12:25:54	03/13/2013 15:00:04	Tracked / Used
	✓	03/13/2013 12:25:54	03/13/2013 14:47:34	Tracked / Used
	✗	03/13/2013 14:47:34	03/13/2013 14:47:39	Tracked / Rejected
G21	✗	03/13/2013 14:47:39	03/13/2013 15:00:04	No data
	✓	03/13/2013 12:25:54	03/13/2013 13:17:04	Tracked / Used
	✗	03/13/2013 13:17:04	03/13/2013 13:17:09	Tracked / Rejected
G22	✗	03/13/2013 13:17:09	03/13/2013 15:00:04	No data
	✓	03/13/2013 12:25:54	03/13/2013 15:00:04	Tracked / Used
G24	✓	03/13/2013 12:25:54	03/13/2013 13:01:04	Tracked / Used
	✗	03/13/2013 13:01:04	03/13/2013 13:01:09	Tracked / Rejected
	✗	03/13/2013 13:01:09	03/13/2013 15:00:04	No data
G25	✗	03/13/2013 12:25:54	03/13/2013 12:41:39	No data
	✓	03/13/2013 12:41:39	03/13/2013 15:00:04	Tracked / Used
G30	✗	03/13/2013 12:25:54	03/13/2013 14:14:24	No data
	✗	03/13/2013 14:14:24	03/13/2013 14:14:29	Tracked / Rejected
	✗	03/13/2013 14:14:29	03/13/2013 14:22:34	No data
G31	✓	03/13/2013 14:22:34	03/13/2013 15:00:04	Tracked / Used
	✗	03/13/2013 12:25:54	03/13/2013 12:26:39	No data
	✓	03/13/2013 12:26:39	03/13/2013 15:00:04	Tracked / Used
G32	✗	03/13/2013 12:25:54	03/13/2013 13:58:54	No data
	✗	03/13/2013 13:58:54	03/13/2013 13:58:59	Tracked / Rejected
	✗	03/13/2013 13:58:59	03/13/2013 14:07:04	No data
	✓	03/13/2013 14:07:04	03/13/2013 15:00:04	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	34
Number of fixed GPS ambiguities:	26
Number of independent fixes:	603
Avg. time between independent fixes:	5"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/13/2013 12:25:54	03/13/2013 15:00:04	2h 34' 10"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:FAAL49B	Rover:538	
Coordinates:			
Latitude:	29° 27' 00.45845" N	29° 39' 21.88024" N	
Longitude:	90° 15' 41.30375" W	90° 06' 28.86497" W	
Ellip. Hgt:	-25.35603 m	-23.75706 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00020 m Posn. Qlty: 0.00028 m	Sd. Lon: 0.00020 m Sd. Slope: 0.00021 m	Sd. Hgt: 0.00045 m
M0:	0.25463 m		
Cofactor matrix Qxx:	0.00000065	0.00000002 0.00000059	-0.00000027 0.00000018 0.00000317
Baseline vector:	dLat: 0° 12' 21.42180" Slope: 27245.53271 m	dLon: 0° 09' 12.43878"	dHgt: 1.59896 m
DOPs (min-max):	GDOP: 1.9 - 4.8 PDOP: 1.7 - 3.9	HDOP: 0.9 - 1.7	VDOP: 1.5 - 3.5
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

FAAL49B - 539

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:53

Point Information

	Reference: FAAL49B	Rover: 539
Receiver type / S/N:	SR530 / 34012	ATX1230 / 316021
Antenna type / S/N:	AT502 Tripod / -	ATX1230 Tripod / -
Antenna height:	1.31900 m	1.22100 m
Initial coordinates:		
Latitude:	29° 27' 00.45845" N	29° 39' 18.34966" N
Longitude:	90° 15' 41.30375" W	90° 06' 26.31441" W
Ellip. Hgt:	-25.35603 m	-27.72118 m
Time span:	03/13/2013 12:19:29 - 03/13/2013 15:03:29	
Duration:	2h 44' 00"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	15	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs):	None
Manually disabled GLONASS satellites (Slot Id):	None
Manually disabled Galileo satellites:	None

Computed Iono Model

Number of computed models:	2
Sampling rate of iono model:	30 sec
Height of single layer:	350 km

Model 1:

Origin of development:	Latitude:	29° 27' 00.45845" N
	Longitude:	90° 15' 41.30375" W
	Time (UT):	03/13/2013 12:36:49

Validity:	From epoch:	03/13/2013 07:36:49
	To epoch:	03/13/2013 11:40:37

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.05762995	0.00695951
	0	1	1.23551526	0.00659675
	0	2	-0.16605105	0.00339771
	1	0	-0.07537183	0.00626920
	1	1	-0.23424684	0.00565313

Model 2:

Origin of development:	Latitude:	29° 27' 00.45845" N
	Longitude:	90° 15' 41.30375" W
	Time (UT):	03/13/2013 16:40:37

Validity:	From epoch:	03/13/2013 11:40:37
	To epoch:	03/13/2013 15:44:24

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	3.56360227	0.02786621
	0	1	1.15348991	0.03646588
	0	2	-0.58603195	0.01448877
	1	0	-0.75345929	0.01719286
	1	1	0.07706843	0.01441498

Antenna Information

	Reference: FAAL49B	Rover: 539
Antenna type:	AT502 Tripod	ATX1230 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.08880 m	0.08850 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.4	1.4	2.8	4.5	6.4	8.4	10.2	12.0	13.5	14.8	15.6	15.8	15.6	14.8	13.5	11.7	9.2	6.0
0° L2	0.0	0.2	0.6	1.3	2.1	3.1	4.0	5.0	5.9	6.7	7.3	7.7	7.7	7.4	6.7	5.7	4.0	1.7	-1.6

Observation Statistics

Number of common epochs: 657

GPS:

Number of used observations (L1): 4765

Number of rejected observations (L1): 45

Number of used observations (L2): 4765

Number of rejected observations (L2): 42

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✗	03/13/2013 12:19:29	03/13/2013 13:41:44	No data
	✗	03/13/2013 13:41:44	03/13/2013 13:41:59	Tracked / Rejected
	✗	03/13/2013 13:41:59	03/13/2013 13:59:44	No data
	✓	03/13/2013 13:59:44	03/13/2013 15:03:29	Tracked / Used
G11	✗	03/13/2013 12:19:29	03/13/2013 13:31:59	No data
	✓	03/13/2013 13:31:59	03/13/2013 14:57:44	Tracked / Used
	✗	03/13/2013 14:57:44	03/13/2013 14:57:59	Tracked / Rejected
	✗	03/13/2013 14:57:59	03/13/2013 15:03:29	No data
G12	✗	03/13/2013 12:19:29	03/13/2013 12:53:14	No data
	✓	03/13/2013 12:53:14	03/13/2013 13:15:29	Tracked / Used
	✗	03/13/2013 13:15:29	03/13/2013 13:15:44	Tracked / Rejected
	✓	03/13/2013 13:15:44	03/13/2013 13:38:29	Tracked / Used
	✗	03/13/2013 13:38:29	03/13/2013 13:40:59	Tracked / Rejected
	✓	03/13/2013 13:40:59	03/13/2013 14:03:59	Tracked / Used
	✗	03/13/2013 14:03:59	03/13/2013 14:10:59	Tracked / Rejected
G14	✗	03/13/2013 14:10:59	03/13/2013 15:03:29	No data
	✓	03/13/2013 12:19:29	03/13/2013 15:03:29	Tracked / Used
G18	✓	03/13/2013 12:19:29	03/13/2013 14:47:44	Tracked / Used
	✗	03/13/2013 14:47:44	03/13/2013 14:47:59	Tracked / Rejected
	✗	03/13/2013 14:47:59	03/13/2013 15:03:29	No data
G20	✗	03/13/2013 12:19:29	03/13/2013 15:02:29	No data
	✗	03/13/2013 15:02:29	03/13/2013 15:02:44	Tracked / Rejected
	✗	03/13/2013 15:02:44	03/13/2013 15:03:29	No data
G21	✓	03/13/2013 12:19:29	03/13/2013 13:17:14	Tracked / Used
	✗	03/13/2013 13:17:14	03/13/2013 13:17:29	Tracked / Rejected
	✗	03/13/2013 13:17:29	03/13/2013 15:03:29	No data
G22	✓	03/13/2013 12:19:29	03/13/2013 15:03:29	Tracked / Used
G24	✓	03/13/2013 12:19:29	03/13/2013 13:01:14	Tracked / Used
	✗	03/13/2013 13:01:14	03/13/2013 13:01:29	Tracked / Rejected

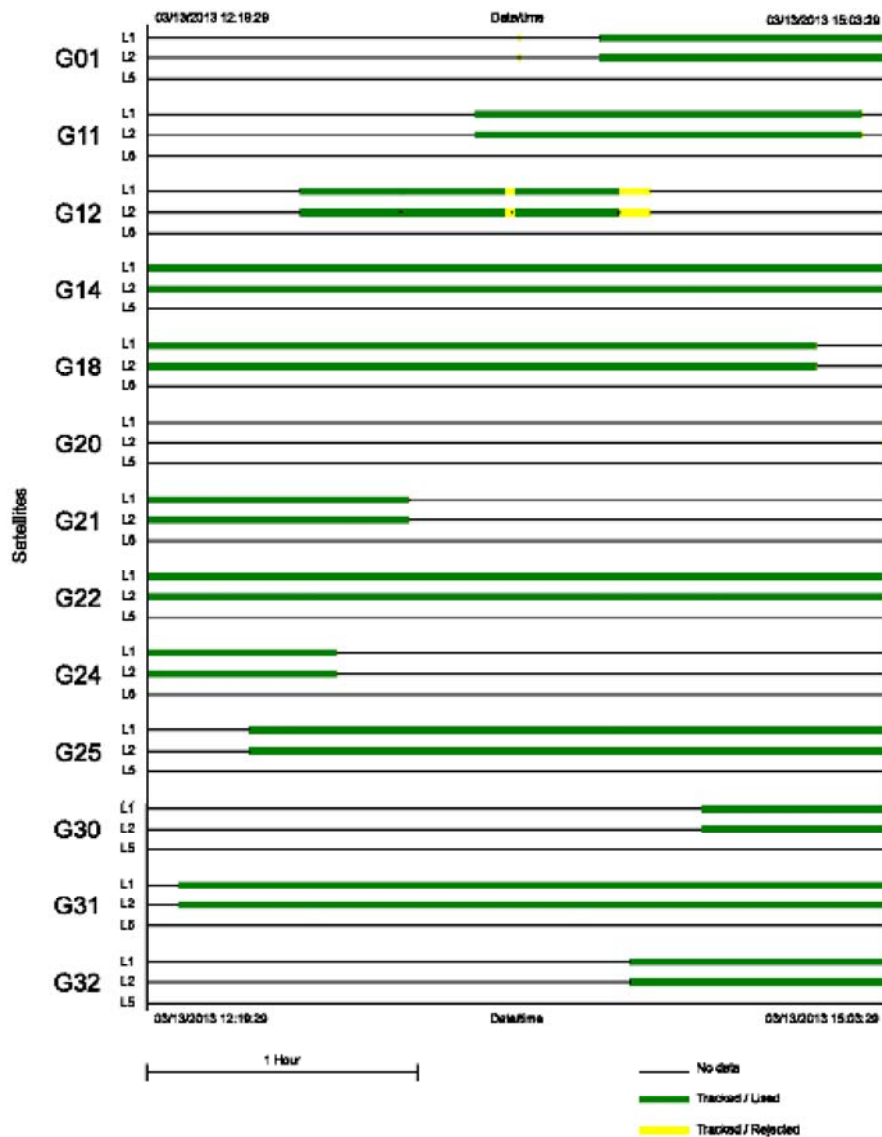
	✗	03/13/2013 13:01:29	03/13/2013 15:03:29	No data
G25	✗	03/13/2013 12:19:29	03/13/2013 12:41:59	No data
	✓	03/13/2013 12:41:59	03/13/2013 15:03:29	Tracked / Used
G30	✗	03/13/2013 12:19:29	03/13/2013 14:22:29	No data
	✓	03/13/2013 14:22:29	03/13/2013 15:03:29	Tracked / Used
G31	✗	03/13/2013 12:19:29	03/13/2013 12:26:29	No data
	✓	03/13/2013 12:26:29	03/13/2013 15:03:29	Tracked / Used
G32	✗	03/13/2013 12:19:29	03/13/2013 14:06:44	No data
	✓	03/13/2013 14:06:44	03/13/2013 15:03:29	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G01	✗	03/13/2013 12:19:29	03/13/2013 13:41:44	No data
	✗	03/13/2013 13:41:44	03/13/2013 13:41:59	Tracked / Rejected
	✗	03/13/2013 13:41:59	03/13/2013 13:59:44	No data
	✓	03/13/2013 13:59:44	03/13/2013 15:03:29	Tracked / Used
G11	✗	03/13/2013 12:19:29	03/13/2013 13:31:59	No data
	✓	03/13/2013 13:31:59	03/13/2013 14:57:44	Tracked / Used
	✗	03/13/2013 14:57:44	03/13/2013 14:57:59	Tracked / Rejected
	✗	03/13/2013 14:57:59	03/13/2013 15:03:29	No data
G12	✗	03/13/2013 12:19:29	03/13/2013 12:53:14	No data
	✓	03/13/2013 12:53:14	03/13/2013 13:15:29	Tracked / Used
	✗	03/13/2013 13:15:29	03/13/2013 13:15:44	No data
	✓	03/13/2013 13:15:44	03/13/2013 13:38:29	Tracked / Used
	✗	03/13/2013 13:38:29	03/13/2013 13:40:14	Tracked / Rejected
	✗	03/13/2013 13:40:14	03/13/2013 13:40:29	No data
	✗	03/13/2013 13:40:29	03/13/2013 13:40:59	Tracked / Rejected
	✓	03/13/2013 13:40:59	03/13/2013 14:03:59	Tracked / Used
	✗	03/13/2013 14:03:59	03/13/2013 14:04:14	No data
	✗	03/13/2013 14:04:14	03/13/2013 14:10:59	Tracked / Rejected
	✗	03/13/2013 14:10:59	03/13/2013 15:03:29	No data
G14	✓	03/13/2013 12:19:29	03/13/2013 15:03:29	Tracked / Used
G18	✓	03/13/2013 12:19:29	03/13/2013 14:47:44	Tracked / Used
	✗	03/13/2013 14:47:44	03/13/2013 14:47:59	Tracked / Rejected
	✗	03/13/2013 14:47:59	03/13/2013 15:03:29	No data
G20	✗	03/13/2013 12:19:29	03/13/2013 15:02:29	No data
	✗	03/13/2013 15:02:29	03/13/2013 15:02:44	Tracked / Rejected
	✗	03/13/2013 15:02:44	03/13/2013 15:03:29	No data
G21	✓	03/13/2013 12:19:29	03/13/2013 13:17:14	Tracked / Used
	✗	03/13/2013 13:17:14	03/13/2013 13:17:29	Tracked / Rejected
	✗	03/13/2013 13:17:29	03/13/2013 15:03:29	No data
G22	✓	03/13/2013 12:19:29	03/13/2013 15:03:29	Tracked / Used
G24	✓	03/13/2013 12:19:29	03/13/2013 13:01:14	Tracked / Used
	✗	03/13/2013 13:01:14	03/13/2013 13:01:29	Tracked / Rejected
	✗	03/13/2013 13:01:29	03/13/2013 15:03:29	No data
G25	✗	03/13/2013 12:19:29	03/13/2013 12:41:59	No data
	✓	03/13/2013 12:41:59	03/13/2013 15:03:29	Tracked / Used
G30	✗	03/13/2013 12:19:29	03/13/2013 14:22:29	No data
	✓	03/13/2013 14:22:29	03/13/2013 15:03:29	Tracked / Used
G31	✗	03/13/2013 12:19:29	03/13/2013 12:26:29	No data
		03/13/2013 12:26:29	03/13/2013 15:03:29	Tracked / Used

G32	✓ ✗ ✓	03/13/2013 12:19:29 03/13/2013 14:06:44	03/13/2013 14:06:44 03/13/2013 15:03:29	No data Tracked / Used
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Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	49
Number of fixed GPS ambiguities:	34
Number of independent fixes:	219
Avg. time between independent fixes:	15"
Percentage of fixed epochs (L1):	99%
Percentage of fixed epochs (L2):	99%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/13/2013 12:19:29	03/13/2013 15:03:29	2h 44' 00"

Cycle Slip Statistics

Total number of cycle slips: 12

Time	Satellite	Frequency	Slip value	Flags
03/13/2013 12:55:14	G21	L1	-	ucs + ria
03/13/2013 12:55:14	G21	L2	-	ucs + ria
03/13/2013 13:07:29	G12	L1	-	ucs + ria
03/13/2013 13:07:29	G12	L2	-	ucs + ria
03/13/2013 13:38:29	G12	L1	-	ucs + ria
03/13/2013 13:38:29	G12	L2	-	ucs + ria
03/13/2013 13:39:59	G12	L1	-5.00	flagged
03/13/2013 13:39:59	G12	L2	-12.00	flagged
03/13/2013 13:40:59	G12	L1	-	ucs + ria
03/13/2013 13:40:59	G12	L2	-	ucs + ria
03/13/2013 14:42:14	G32	L1	-	ucs + ria
03/13/2013 14:42:14	G32	L2	-	ucs + ria

Final Coordinates

	Reference:FAAL49B	Rover:539	
Coordinates:			
Latitude:	29° 27' 00.45845" N	29° 39' 18.25093" N	
Longitude:	90° 15' 41.30375" W	90° 06' 26.34889" W	
Ellip. Hgt:	-25.35603 m	-24.20512 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00041 m Posn. Qlty: 0.00057 m	Sd. Lon: 0.00040 m Sd. Slope: 0.00042 m	Sd. Hgt: 0.00093 m
M0:	0.30629 m		
Cofactor matrix Qxx:	0.00000181	0.00000008 0.00000168	-0.00000079 0.00000052 0.00000924
Baseline vector:	dLat: 0° 12' 17.79248" Slope: 27189.16922 m	dLon: 0° 09' 14.95486"	dHgt: 1.15090 m
DOPs (min-max):	GDOP: 1.9 - 5.4 PDOP: 1.7 - 4.4	HDOP: 0.9 - 1.7	VDOP: 1.5 - 4.0
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline G358 - CK7

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:00

Point Information

	Reference: G358	Rover: CK7
Receiver type / S/N:	SR530 / 34012	SR530 / 34472
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.41400 m	1.20700 m
Initial coordinates:		
Latitude:	29° 27' 38.86109" N	29° 26' 02.01645" N
Longitude:	90° 18' 31.16528" W	90° 15' 57.20730" W
Ellip. Hgt:	-23.95703 m	-28.95059 m
Time span:	03/11/2013 16:00:59 - 03/11/2013 18:37:34	
Duration:	2h 36' 35"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 38.86109" N
 Longitude: 90° 18' 31.16528" W
 Time (UT): 03/11/2013 20:26:29

Validity: From epoch: 03/11/2013 15:26:29
 To epoch: 03/11/2013 19:23:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	2.98239435	0.00800856
	0	1	0.01758485	0.01091856
	0	2	-0.20024225	0.00449822
	1	0	-0.63060116	0.00578668
	1	1	0.12464751	0.00462520

Antenna Information

	Reference: G358	Rover: CK7
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1880

GPS:

Number of used observations (L1): 13243
 Number of rejected observations (L1): 542
 Number of used observations (L2): 12644
 Number of rejected observations (L2): 1132

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✗	03/11/2013 16:00:59	03/11/2013 16:08:09	Tracked / Rejected
	✗	03/11/2013 16:08:09	03/11/2013 16:08:14	No data
	✗	03/11/2013 16:08:14	03/11/2013 16:08:19	Tracked / Rejected
	✗	03/11/2013 16:08:19	03/11/2013 16:08:24	No data
	✗	03/11/2013 16:08:24	03/11/2013 16:08:39	Tracked / Rejected
	✗	03/11/2013 16:08:39	03/11/2013 16:08:44	No data
	✗	03/11/2013 16:08:44	03/11/2013 16:09:14	Tracked / Rejected
	✗	03/11/2013 16:09:14	03/11/2013 16:09:24	No data
	✓	03/11/2013 16:09:24	03/11/2013 16:21:04	Tracked / Used
	✗	03/11/2013 16:21:04	03/11/2013 16:21:09	Tracked / Rejected
G03	✗	03/11/2013 16:21:09	03/11/2013 18:37:34	No data
	✗	03/11/2013 16:00:59	03/11/2013 17:29:49	No data
	✗	03/11/2013 17:29:49	03/11/2013 17:31:29	Tracked / Rejected
	✗	03/11/2013 17:31:29	03/11/2013 17:31:39	No data
	✗	03/11/2013 17:31:39	03/11/2013 17:37:09	Tracked / Rejected
	✗	03/11/2013 17:37:09	03/11/2013 17:37:19	No data
	✗	03/11/2013 17:37:19	03/11/2013 17:41:49	Tracked / Rejected
	✗	03/11/2013 17:41:49	03/11/2013 17:41:54	No data
	✗	03/11/2013 17:41:54	03/11/2013 17:42:04	Tracked / Rejected
	✗	03/11/2013 17:42:04	03/11/2013 17:42:09	No data
	✓	03/11/2013 17:42:09	03/11/2013 17:46:54	Tracked / Used
	✗	03/11/2013 17:46:54	03/11/2013 17:49:44	No data
	✓	03/11/2013 17:49:44	03/11/2013 17:55:09	Tracked / Used
	✗	03/11/2013 17:55:09	03/11/2013 17:56:39	No data
	✓	03/11/2013 17:56:39	03/11/2013 18:08:39	Tracked / Used
	✗	03/11/2013 18:08:39	03/11/2013 18:08:59	No data
	✗	03/11/2013 18:08:59	03/11/2013 18:09:09	Tracked / Rejected
	✗	03/11/2013 18:09:09	03/11/2013 18:09:19	No data
	✓	03/11/2013 18:09:19	03/11/2013 18:13:29	Tracked / Used
	✗	03/11/2013 18:13:29	03/11/2013 18:14:54	No data
	✓	03/11/2013 18:14:54	03/11/2013 18:17:54	Tracked / Used
	✗	03/11/2013 18:17:54	03/11/2013 18:20:39	No data
	✓	03/11/2013 18:20:39	03/11/2013 18:22:44	Tracked / Used
	✗	03/11/2013 18:22:44	03/11/2013 18:24:14	No data
	✓	03/11/2013 18:24:14	03/11/2013 18:28:14	Tracked / Used
	✗	03/11/2013 18:28:14	03/11/2013 18:30:24	No data
	✗	03/11/2013 18:30:24	03/11/2013 18:31:54	Tracked / Rejected
	✗	03/11/2013 18:31:54	03/11/2013 18:32:14	No data
	✗	03/11/2013 18:32:14	03/11/2013 18:32:19	Tracked / Rejected
	✗	03/11/2013 18:32:19	03/11/2013 18:33:49	No data
	✓	03/11/2013 18:33:49	03/11/2013 18:37:14	Tracked / Used
	✗	03/11/2013 18:37:14	03/11/2013 18:37:24	No data
	✗	03/11/2013 18:37:24	03/11/2013 18:37:34	Tracked / Rejected

G06	✗	03/11/2013 16:00:59	03/11/2013 17:22:19	No data
	✗	03/11/2013 17:22:19	03/11/2013 17:22:24	Tracked / Rejected
	✗	03/11/2013 17:22:24	03/11/2013 17:22:29	No data
	✗	03/11/2013 17:22:29	03/11/2013 17:22:34	Tracked / Rejected
	✗	03/11/2013 17:22:34	03/11/2013 17:22:54	No data
	✗	03/11/2013 17:22:54	03/11/2013 17:22:59	Tracked / Rejected
	✗	03/11/2013 17:22:59	03/11/2013 17:23:09	No data
	✗	03/11/2013 17:23:09	03/11/2013 17:23:29	Tracked / Rejected
	✗	03/11/2013 17:23:29	03/11/2013 17:23:44	No data
	✗	03/11/2013 17:23:44	03/11/2013 17:24:09	Tracked / Rejected
	✗	03/11/2013 17:24:09	03/11/2013 17:24:19	No data
	✓	03/11/2013 17:24:19	03/11/2013 17:26:59	Tracked / Used
	✗	03/11/2013 17:26:59	03/11/2013 17:35:44	No data
	✓	03/11/2013 17:35:44	03/11/2013 17:54:04	Tracked / Used
	✗	03/11/2013 17:54:04	03/11/2013 17:54:14	No data
	✗	03/11/2013 17:54:14	03/11/2013 17:54:19	Tracked / Rejected
	✗	03/11/2013 17:54:19	03/11/2013 17:54:24	No data
	✗	03/11/2013 17:54:24	03/11/2013 17:54:39	Tracked / Rejected
	✗	03/11/2013 17:54:39	03/11/2013 17:54:44	No data
	✗	03/11/2013 17:54:44	03/11/2013 17:54:49	Tracked / Rejected
	✗	03/11/2013 17:54:49	03/11/2013 17:54:54	No data
	✓	03/11/2013 17:54:54	03/11/2013 18:06:49	Tracked / Used
	✗	03/11/2013 18:06:49	03/11/2013 18:06:54	No data
	✓	03/11/2013 18:06:54	03/11/2013 18:34:19	Tracked / Used
	✗	03/11/2013 18:34:19	03/11/2013 18:36:54	No data
	✗	03/11/2013 18:36:54	03/11/2013 18:37:34	Tracked / Rejected
G13	✗	03/11/2013 16:00:59	03/11/2013 17:40:39	No data
	✓	03/11/2013 17:40:39	03/11/2013 18:37:34	Tracked / Used
G14	✗	03/11/2013 16:00:59	03/11/2013 16:01:29	Tracked / Rejected
	✗	03/11/2013 16:01:29	03/11/2013 16:01:39	No data
	✗	03/11/2013 16:01:39	03/11/2013 16:01:44	Tracked / Rejected
	✗	03/11/2013 16:01:44	03/11/2013 16:01:49	No data
	✗	03/11/2013 16:01:49	03/11/2013 16:02:44	Tracked / Rejected
	✗	03/11/2013 16:02:44	03/11/2013 16:03:44	No data
	✗	03/11/2013 16:03:44	03/11/2013 16:03:54	Tracked / Rejected
	✗	03/11/2013 16:03:54	03/11/2013 16:03:59	No data
	✗	03/11/2013 16:03:59	03/11/2013 16:04:34	Tracked / Rejected
	✗	03/11/2013 16:04:34	03/11/2013 16:04:54	No data
	✗	03/11/2013 16:04:54	03/11/2013 16:05:24	Tracked / Rejected
	✗	03/11/2013 16:05:24	03/11/2013 16:05:39	No data
	✓	03/11/2013 16:05:39	03/11/2013 16:13:19	Tracked / Used
	✗	03/11/2013 16:13:19	03/11/2013 16:15:09	No data
	✗	03/11/2013 16:15:09	03/11/2013 16:15:14	Tracked / Rejected
	✗	03/11/2013 16:15:14	03/11/2013 16:15:39	No data
	✗	03/11/2013 16:15:39	03/11/2013 16:16:19	Tracked / Rejected
	✗	03/11/2013 16:16:19	03/11/2013 16:31:29	No data
	✓	03/11/2013 16:31:29	03/11/2013 16:33:59	Tracked / Used
	✗	03/11/2013 16:33:59	03/11/2013 16:35:19	Tracked / Rejected
	✗	03/11/2013 16:35:19	03/11/2013 16:35:24	No data
	✗	03/11/2013 16:35:24	03/11/2013 16:36:49	Tracked / Rejected

	✗	03/11/2013 16:36:49	03/11/2013 16:36:54	No data
	✓	03/11/2013 16:36:54	03/11/2013 16:41:29	Tracked / Used
	✗	03/11/2013 16:41:29	03/11/2013 16:43:59	No data
	✓	03/11/2013 16:43:59	03/11/2013 16:51:04	Tracked / Used
	✗	03/11/2013 16:51:04	03/11/2013 16:51:24	No data
	✗	03/11/2013 16:51:24	03/11/2013 16:51:49	Tracked / Rejected
	✗	03/11/2013 16:51:49	03/11/2013 16:51:54	No data
	✗	03/11/2013 16:51:54	03/11/2013 16:52:29	Tracked / Rejected
	✗	03/11/2013 16:52:29	03/11/2013 16:53:09	No data
	✓	03/11/2013 16:53:09	03/11/2013 16:54:29	Tracked / Used
	✗	03/11/2013 16:54:29	03/11/2013 16:54:34	Tracked / Rejected
	✗	03/11/2013 16:54:34	03/11/2013 16:54:39	No data
	✓	03/11/2013 16:54:39	03/11/2013 16:55:54	Tracked / Used
	✗	03/11/2013 16:55:54	03/11/2013 16:55:59	No data
	✗	03/11/2013 16:55:59	03/11/2013 16:56:09	Tracked / Rejected
	✗	03/11/2013 16:56:09	03/11/2013 16:56:14	No data
	✗	03/11/2013 16:56:14	03/11/2013 16:56:19	Tracked / Rejected
	✗	03/11/2013 16:56:19	03/11/2013 17:04:54	No data
	✗	03/11/2013 17:04:54	03/11/2013 17:06:29	Tracked / Rejected
	✗	03/11/2013 17:06:29	03/11/2013 18:37:34	No data
G16	✓	03/11/2013 16:00:59	03/11/2013 16:08:19	Tracked / Used
	✗	03/11/2013 16:08:19	03/11/2013 16:08:24	No data
	✓	03/11/2013 16:08:24	03/11/2013 18:37:34	Tracked / Used
G19	✗	03/11/2013 16:00:59	03/11/2013 18:24:39	No data
	✗	03/11/2013 18:24:39	03/11/2013 18:24:49	Tracked / Rejected
	✗	03/11/2013 18:24:49	03/11/2013 18:24:59	No data
	✗	03/11/2013 18:24:59	03/11/2013 18:26:24	Tracked / Rejected
	✗	03/11/2013 18:26:24	03/11/2013 18:26:39	No data
	✗	03/11/2013 18:26:39	03/11/2013 18:26:49	Tracked / Rejected
	✗	03/11/2013 18:26:49	03/11/2013 18:26:54	No data
	✗	03/11/2013 18:26:54	03/11/2013 18:28:04	Tracked / Rejected
	✗	03/11/2013 18:28:04	03/11/2013 18:28:49	No data
	✓	03/11/2013 18:28:49	03/11/2013 18:37:34	Tracked / Used
G20	✓	03/11/2013 16:00:59	03/11/2013 18:37:34	Tracked / Used
G22	✗	03/11/2013 16:00:59	03/11/2013 16:01:39	Tracked / Rejected
	✗	03/11/2013 16:01:39	03/11/2013 16:02:19	No data
	✗	03/11/2013 16:02:19	03/11/2013 16:05:39	Tracked / Rejected
	✗	03/11/2013 16:05:39	03/11/2013 16:05:59	No data
	✗	03/11/2013 16:05:59	03/11/2013 16:06:39	Tracked / Rejected
	✗	03/11/2013 16:06:39	03/11/2013 16:06:44	No data
	✗	03/11/2013 16:06:44	03/11/2013 16:07:24	Tracked / Rejected
	✗	03/11/2013 16:07:24	03/11/2013 16:07:29	No data
	✗	03/11/2013 16:07:29	03/11/2013 16:07:44	Tracked / Rejected
	✗	03/11/2013 16:07:44	03/11/2013 16:08:49	No data
	✗	03/11/2013 16:08:49	03/11/2013 16:09:24	Tracked / Rejected
	✗	03/11/2013 16:09:24	03/11/2013 16:09:29	No data
	✗	03/11/2013 16:09:29	03/11/2013 16:09:34	Tracked / Rejected
	✗	03/11/2013 16:09:34	03/11/2013 18:37:34	No data
G23	✗	03/11/2013 16:00:59	03/11/2013 16:34:29	No data
	✓	03/11/2013 16:34:29	03/11/2013 18:37:34	Tracked / Used

G30	✗	03/11/2013 16:00:59	03/11/2013 16:03:19	Tracked / Rejected
	✗	03/11/2013 16:03:19	03/11/2013 16:04:09	No data
	✓	03/11/2013 16:04:09	03/11/2013 18:37:34	Tracked / Used
G31	✓	03/11/2013 16:00:59	03/11/2013 18:36:54	Tracked / Used
	✗	03/11/2013 18:36:54	03/11/2013 18:37:09	No data
	✗	03/11/2013 18:37:09	03/11/2013 18:37:19	Tracked / Rejected
	✗	03/11/2013 18:37:19	03/11/2013 18:37:24	No data
	✗	03/11/2013 18:37:24	03/11/2013 18:37:34	Tracked / Rejected
G32	✓	03/11/2013 16:00:59	03/11/2013 18:37:34	Tracked / Used

Tracking Status GPS L2:

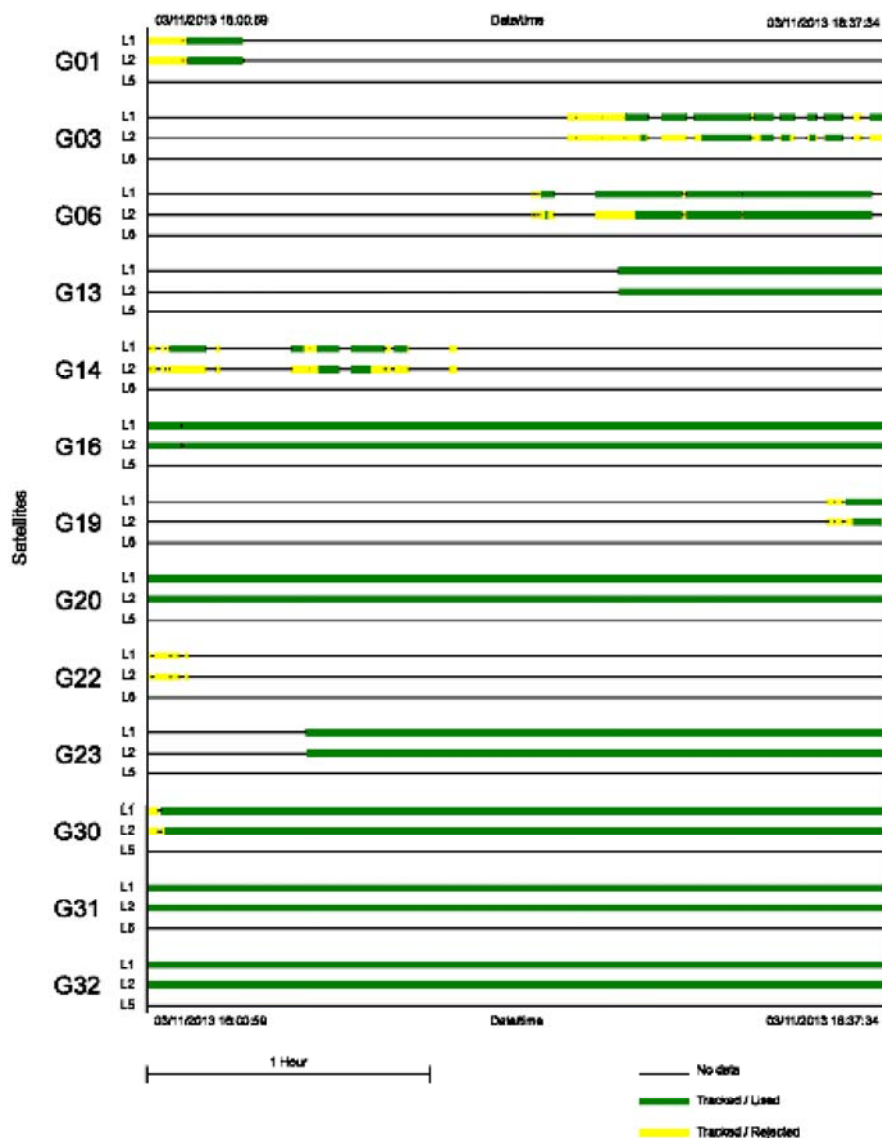
Satellite		From	To	Status
G01	✗	03/11/2013 16:00:59	03/11/2013 16:08:09	Tracked / Rejected
	✗	03/11/2013 16:08:09	03/11/2013 16:08:14	No data
	✗	03/11/2013 16:08:14	03/11/2013 16:08:19	Tracked / Rejected
	✗	03/11/2013 16:08:19	03/11/2013 16:08:24	No data
	✗	03/11/2013 16:08:24	03/11/2013 16:08:39	Tracked / Rejected
	✗	03/11/2013 16:08:39	03/11/2013 16:08:44	No data
	✗	03/11/2013 16:08:44	03/11/2013 16:09:14	Tracked / Rejected
	✗	03/11/2013 16:09:14	03/11/2013 16:09:24	No data
	✗	03/11/2013 16:09:24	03/11/2013 16:09:29	Tracked / Rejected
	✓	03/11/2013 16:09:29	03/11/2013 16:21:04	Tracked / Used
	✗	03/11/2013 16:21:04	03/11/2013 16:21:09	Tracked / Rejected
	✗	03/11/2013 16:21:09	03/11/2013 18:37:34	No data
G03	✗	03/11/2013 16:00:59	03/11/2013 17:29:49	No data
	✗	03/11/2013 17:29:49	03/11/2013 17:31:29	Tracked / Rejected
	✗	03/11/2013 17:31:29	03/11/2013 17:31:39	No data
	✗	03/11/2013 17:31:39	03/11/2013 17:37:09	Tracked / Rejected
	✗	03/11/2013 17:37:09	03/11/2013 17:37:19	No data
	✗	03/11/2013 17:37:19	03/11/2013 17:41:49	Tracked / Rejected
	✗	03/11/2013 17:41:49	03/11/2013 17:41:54	No data
	✗	03/11/2013 17:41:54	03/11/2013 17:42:04	Tracked / Rejected
	✗	03/11/2013 17:42:04	03/11/2013 17:42:09	No data
	✗	03/11/2013 17:42:09	03/11/2013 17:45:24	Tracked / Rejected
	✓	03/11/2013 17:45:24	03/11/2013 17:46:29	Tracked / Used
	✗	03/11/2013 17:46:29	03/11/2013 17:46:54	Tracked / Rejected
	✗	03/11/2013 17:46:54	03/11/2013 17:49:44	No data
	✗	03/11/2013 17:49:44	03/11/2013 17:55:09	Tracked / Rejected
	✗	03/11/2013 17:55:09	03/11/2013 17:56:39	No data
	✗	03/11/2013 17:56:39	03/11/2013 17:58:24	Tracked / Rejected
	✓	03/11/2013 17:58:24	03/11/2013 18:08:39	Tracked / Used
	✗	03/11/2013 18:08:39	03/11/2013 18:08:59	No data
	✗	03/11/2013 18:08:59	03/11/2013 18:09:09	Tracked / Rejected
	✗	03/11/2013 18:09:09	03/11/2013 18:09:19	No data
	✗	03/11/2013 18:09:19	03/11/2013 18:10:49	Tracked / Rejected
	✓	03/11/2013 18:10:49	03/11/2013 18:12:49	Tracked / Used
	✗	03/11/2013 18:12:49	03/11/2013 18:12:59	Tracked / Rejected
	✓	03/11/2013 18:12:59	03/11/2013 18:13:19	Tracked / Used
	✗	03/11/2013 18:13:19	03/11/2013 18:13:24	Tracked / Rejected
	✓	03/11/2013 18:13:24	03/11/2013 18:13:29	Tracked / Used
		03/11/2013 18:13:29	03/11/2013 18:14:54	No data

G06	×	03/11/2013 18:14:54	03/11/2013 18:15:24	Tracked / Rejected
	×	03/11/2013 18:15:24	03/11/2013 18:16:59	Tracked / Used
	✓	03/11/2013 18:16:59	03/11/2013 18:17:54	Tracked / Rejected
	×	03/11/2013 18:17:54	03/11/2013 18:20:39	No data
	×	03/11/2013 18:20:39	03/11/2013 18:21:09	Tracked / Rejected
	×	03/11/2013 18:21:09	03/11/2013 18:22:24	Tracked / Used
	✓	03/11/2013 18:22:24	03/11/2013 18:22:44	Tracked / Rejected
	×	03/11/2013 18:22:44	03/11/2013 18:24:14	No data
	×	03/11/2013 18:24:14	03/11/2013 18:24:24	Tracked / Rejected
	×	03/11/2013 18:24:24	03/11/2013 18:28:14	Tracked / Used
	✓	03/11/2013 18:28:14	03/11/2013 18:30:24	No data
	×	03/11/2013 18:30:24	03/11/2013 18:31:54	Tracked / Rejected
	×	03/11/2013 18:31:54	03/11/2013 18:32:14	No data
	×	03/11/2013 18:32:14	03/11/2013 18:32:19	Tracked / Rejected
	×	03/11/2013 18:32:19	03/11/2013 18:33:49	No data
	×	03/11/2013 18:33:49	03/11/2013 18:37:14	Tracked / Rejected
	×	03/11/2013 18:37:14	03/11/2013 18:37:24	No data
	×	03/11/2013 18:37:24	03/11/2013 18:37:34	Tracked / Rejected
	×	03/11/2013 16:00:59	03/11/2013 17:22:19	No data
	×	03/11/2013 17:22:19	03/11/2013 17:22:24	Tracked / Rejected
	×	03/11/2013 17:22:24	03/11/2013 17:22:29	No data
	×	03/11/2013 17:22:29	03/11/2013 17:22:34	Tracked / Rejected
	×	03/11/2013 17:22:34	03/11/2013 17:22:54	No data
	×	03/11/2013 17:22:54	03/11/2013 17:22:59	Tracked / Rejected
	×	03/11/2013 17:22:59	03/11/2013 17:23:09	No data
	×	03/11/2013 17:23:09	03/11/2013 17:23:29	Tracked / Rejected
	×	03/11/2013 17:23:29	03/11/2013 17:23:44	No data
	×	03/11/2013 17:23:44	03/11/2013 17:24:09	Tracked / Rejected
	×	03/11/2013 17:24:09	03/11/2013 17:24:19	No data
	×	03/11/2013 17:24:19	03/11/2013 17:25:09	Tracked / Rejected
	×	03/11/2013 17:25:09	03/11/2013 17:25:39	Tracked / Used
	✓	03/11/2013 17:25:39	03/11/2013 17:26:59	Tracked / Rejected
	×	03/11/2013 17:26:59	03/11/2013 17:35:44	No data
	×	03/11/2013 17:35:44	03/11/2013 17:44:24	Tracked / Rejected
	×	03/11/2013 17:44:24	03/11/2013 17:54:04	Tracked / Used
	✓	03/11/2013 17:54:04	03/11/2013 17:54:14	No data
	×	03/11/2013 17:54:14	03/11/2013 17:54:19	Tracked / Rejected
	×	03/11/2013 17:54:19	03/11/2013 17:54:24	No data
	×	03/11/2013 17:54:24	03/11/2013 17:54:39	Tracked / Rejected
	×	03/11/2013 17:54:39	03/11/2013 17:54:44	No data
	×	03/11/2013 17:54:44	03/11/2013 17:54:49	Tracked / Rejected
	×	03/11/2013 17:54:49	03/11/2013 17:54:54	No data
	×	03/11/2013 17:54:54	03/11/2013 17:55:04	Tracked / Rejected
	×	03/11/2013 17:55:04	03/11/2013 18:06:49	Tracked / Used
	✓	03/11/2013 18:06:49	03/11/2013 18:06:54	No data
	×	03/11/2013 18:06:54	03/11/2013 18:07:09	Tracked / Rejected
	×	03/11/2013 18:07:09	03/11/2013 18:34:19	Tracked / Used
	✓	03/11/2013 18:34:19	03/11/2013 18:36:54	No data
	×	03/11/2013 18:36:54	03/11/2013 18:37:34	Tracked / Rejected

G13	✗	03/11/2013 16:00:59	03/11/2013 17:40:44	No data
	✓	03/11/2013 17:40:44	03/11/2013 18:37:34	Tracked / Used
G14	✗	03/11/2013 16:00:59	03/11/2013 16:01:29	Tracked / Rejected
	✗	03/11/2013 16:01:29	03/11/2013 16:01:39	No data
	✗	03/11/2013 16:01:39	03/11/2013 16:01:44	Tracked / Rejected
	✗	03/11/2013 16:01:44	03/11/2013 16:01:49	No data
	✗	03/11/2013 16:01:49	03/11/2013 16:02:44	Tracked / Rejected
	✗	03/11/2013 16:02:44	03/11/2013 16:03:44	No data
	✗	03/11/2013 16:03:44	03/11/2013 16:03:54	Tracked / Rejected
	✗	03/11/2013 16:03:54	03/11/2013 16:03:59	No data
	✗	03/11/2013 16:03:59	03/11/2013 16:04:34	Tracked / Rejected
	✗	03/11/2013 16:04:34	03/11/2013 16:04:54	No data
	✗	03/11/2013 16:04:54	03/11/2013 16:05:24	Tracked / Rejected
	✗	03/11/2013 16:05:24	03/11/2013 16:05:39	No data
	✗	03/11/2013 16:05:39	03/11/2013 16:13:19	Tracked / Rejected
	✗	03/11/2013 16:13:19	03/11/2013 16:15:09	No data
	✗	03/11/2013 16:15:09	03/11/2013 16:15:14	Tracked / Rejected
	✗	03/11/2013 16:15:14	03/11/2013 16:15:39	No data
	✗	03/11/2013 16:15:39	03/11/2013 16:16:19	Tracked / Rejected
	✗	03/11/2013 16:16:19	03/11/2013 16:31:29	No data
	✗	03/11/2013 16:31:29	03/11/2013 16:35:19	Tracked / Rejected
	✗	03/11/2013 16:35:19	03/11/2013 16:35:24	No data
	✗	03/11/2013 16:35:24	03/11/2013 16:36:49	Tracked / Rejected
	✗	03/11/2013 16:36:49	03/11/2013 16:36:54	No data
	✗	03/11/2013 16:36:54	03/11/2013 16:37:09	Tracked / Rejected
	✓	03/11/2013 16:37:09	03/11/2013 16:41:29	Tracked / Used
	✗	03/11/2013 16:41:29	03/11/2013 16:43:59	No data
	✗	03/11/2013 16:43:59	03/11/2013 16:44:09	Tracked / Rejected
	✓	03/11/2013 16:44:09	03/11/2013 16:48:09	Tracked / Used
	✗	03/11/2013 16:48:09	03/11/2013 16:51:04	Tracked / Rejected
	✗	03/11/2013 16:51:04	03/11/2013 16:51:24	No data
	✗	03/11/2013 16:51:24	03/11/2013 16:51:49	Tracked / Rejected
	✗	03/11/2013 16:51:49	03/11/2013 16:51:54	No data
	✗	03/11/2013 16:51:54	03/11/2013 16:52:29	Tracked / Rejected
	✗	03/11/2013 16:52:29	03/11/2013 16:53:09	No data
	✗	03/11/2013 16:53:09	03/11/2013 16:54:34	Tracked / Rejected
	✗	03/11/2013 16:54:34	03/11/2013 16:54:39	No data
	✗	03/11/2013 16:54:39	03/11/2013 16:55:54	Tracked / Rejected
	✗	03/11/2013 16:55:54	03/11/2013 16:55:59	No data
	✗	03/11/2013 16:55:59	03/11/2013 16:56:09	Tracked / Rejected
	✗	03/11/2013 16:56:09	03/11/2013 16:56:14	No data
	✗	03/11/2013 16:56:14	03/11/2013 16:56:19	Tracked / Rejected
	✗	03/11/2013 16:56:19	03/11/2013 17:04:54	No data
	✗	03/11/2013 17:04:54	03/11/2013 17:06:29	Tracked / Rejected
	✗	03/11/2013 17:06:29	03/11/2013 18:37:34	No data
G16	✓	03/11/2013 16:00:59	03/11/2013 16:08:19	Tracked / Used
	✗	03/11/2013 16:08:19	03/11/2013 16:08:34	No data
G19	✓	03/11/2013 16:08:34	03/11/2013 18:37:34	Tracked / Used
	✗	03/11/2013 16:00:59	03/11/2013 18:24:44	No data
	✗	03/11/2013 18:24:44	03/11/2013 18:24:49	Tracked / Rejected

	✗	03/11/2013 18:24:49	03/11/2013 18:25:09	No data
	✗	03/11/2013 18:25:09	03/11/2013 18:26:24	Tracked / Rejected
	✗	03/11/2013 18:26:24	03/11/2013 18:26:39	No data
	✗	03/11/2013 18:26:39	03/11/2013 18:26:49	Tracked / Rejected
	✗	03/11/2013 18:26:49	03/11/2013 18:26:54	No data
	✗	03/11/2013 18:26:54	03/11/2013 18:28:04	Tracked / Rejected
	✗	03/11/2013 18:28:04	03/11/2013 18:28:49	No data
	✗	03/11/2013 18:28:49	03/11/2013 18:30:19	Tracked / Rejected
	✓	03/11/2013 18:30:19	03/11/2013 18:36:19	Tracked / Used
G20	✗	03/11/2013 18:36:19	03/11/2013 18:37:34	Tracked / Rejected
G22	✓	03/11/2013 16:00:59	03/11/2013 18:37:34	Tracked / Used
	✗	03/11/2013 16:00:59	03/11/2013 16:01:39	Tracked / Rejected
	✗	03/11/2013 16:01:39	03/11/2013 16:02:19	No data
	✗	03/11/2013 16:02:19	03/11/2013 16:05:39	Tracked / Rejected
	✗	03/11/2013 16:05:39	03/11/2013 16:05:59	No data
	✗	03/11/2013 16:05:59	03/11/2013 16:06:39	Tracked / Rejected
	✗	03/11/2013 16:06:39	03/11/2013 16:06:44	No data
	✗	03/11/2013 16:06:44	03/11/2013 16:07:24	Tracked / Rejected
	✗	03/11/2013 16:07:24	03/11/2013 16:07:29	No data
	✗	03/11/2013 16:07:29	03/11/2013 16:07:44	Tracked / Rejected
	✗	03/11/2013 16:07:44	03/11/2013 16:08:49	No data
	✗	03/11/2013 16:08:49	03/11/2013 16:09:24	Tracked / Rejected
	✗	03/11/2013 16:09:24	03/11/2013 16:09:29	No data
	✗	03/11/2013 16:09:29	03/11/2013 16:09:34	Tracked / Rejected
	✗	03/11/2013 16:09:34	03/11/2013 18:37:34	No data
G23	✗	03/11/2013 16:00:59	03/11/2013 16:34:44	No data
	✓	03/11/2013 16:34:44	03/11/2013 18:37:34	Tracked / Used
G30	✗	03/11/2013 16:00:59	03/11/2013 16:03:19	Tracked / Rejected
	✗	03/11/2013 16:03:19	03/11/2013 16:04:09	No data
	✗	03/11/2013 16:04:09	03/11/2013 16:04:54	Tracked / Rejected
	✓	03/11/2013 16:04:54	03/11/2013 18:37:34	Tracked / Used
G31	✓	03/11/2013 16:00:59	03/11/2013 18:36:54	Tracked / Used
	✗	03/11/2013 18:36:54	03/11/2013 18:37:09	No data
	✗	03/11/2013 18:37:09	03/11/2013 18:37:19	Tracked / Rejected
	✗	03/11/2013 18:37:19	03/11/2013 18:37:24	No data
	✗	03/11/2013 18:37:24	03/11/2013 18:37:34	Tracked / Rejected
G32	✓	03/11/2013 16:00:59	03/11/2013 18:37:34	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	122
Number of fixed GPS ambiguities:	50
Number of independent fixes:	477
Avg. time between independent fixes:	10"
Percentage of fixed epochs (L1):	96%
Percentage of fixed epochs (L2):	97%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/11/2013 16:00:59	03/11/2013 18:37:34	2h 36' 35"

Cycle Slip Statistics

Total number of cycle slips: 6

Time	Satellite	Frequency	Slip value	Flags
03/11/2013 16:01:24	G14	L1	-	ria
03/11/2013 16:33:59	G14	L1	-	ria
03/11/2013 16:54:29	G14	L1	-	ria
03/11/2013 17:41:59	G03	L1	-	ria
03/11/2013 18:22:24	G03	L1	-	flagged
03/11/2013 18:24:44	G19	L1	-	ria

Final Coordinates

	Reference: G358	Rover: CK7	
Coordinates:			
Latitude:	29° 27' 38.86109" N	29° 26' 01.95559" N	
Longitude:	90° 18' 31.16528" W	90° 15' 57.17343" W	
Ellip. Hgt:	-23.95703 m	-24.79626 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00016 m Posn. Qlty: 0.00024 m	Sd. Lon: 0.00018 m Sd. Slope: 0.00017 m	Sd. Hgt: 0.00044 m
M0:	0.97254 m		
Cofactor matrix Qxx:	0.00000003	-0.00000000 0.00000003	0.00000001 -0.00000001 0.00000021
Baseline vector:	dLat: -0° 01' 36.90550" Slope: 5111.17861 m	dLon: 0° 02' 33.99185"	dHgt: -0.83924 m
DOPs (min-max):	GDOP: 1.9 - 7.4 PDOP: 1.6 - 5.9	HDOP: 0.9 - 3.1	VDOP: 1.4 - 5.3
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline G358 - CK7-A

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:01

Point Information

	Reference: G358	Rover: CK7-A
Receiver type / S/N:	SR530 / 34012	SR530 / 30486
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.41400 m	1.18400 m
Initial coordinates:		
Latitude:	29° 27' 38.86109" N	29° 26' 02.47061" N
Longitude:	90° 18' 31.16528" W	90° 15' 50.06616" W
Ellip. Hgt:	-23.95703 m	-28.21588 m
Time span:	03/11/2013 16:08:09 - 03/11/2013 18:32:19	
Duration:	2h 24' 10"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 38.86109" N
 Longitude: 90° 18' 31.16528" W
 Time (UT): 03/11/2013 20:26:29

Validity: From epoch: 03/11/2013 15:26:29
 To epoch: 03/11/2013 19:23:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	2.98239435	0.00800856
	0	1	0.01758485	0.01091856
	0	2	-0.20024225	0.00449822
	1	0	-0.63060116	0.00578668
	1	1	0.12464751	0.00462520

Antenna Information

	Reference: G358	Rover: CK7-A
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1731

GPS:

Number of used observations (L1): 12365
 Number of rejected observations (L1): 252
 Number of used observations (L2): 11725
 Number of rejected observations (L2): 540

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✗	03/11/2013 16:08:09	03/11/2013 16:08:14	No data
	✗	03/11/2013 16:08:14	03/11/2013 16:08:19	Tracked / Rejected
	✗	03/11/2013 16:08:19	03/11/2013 16:08:24	No data
	✗	03/11/2013 16:08:24	03/11/2013 16:08:39	Tracked / Rejected
	✗	03/11/2013 16:08:39	03/11/2013 16:08:44	No data
	✗	03/11/2013 16:08:44	03/11/2013 16:09:14	Tracked / Rejected
	✗	03/11/2013 16:09:14	03/11/2013 16:09:24	No data
	✓	03/11/2013 16:09:24	03/11/2013 16:21:04	Tracked / Used
	✗	03/11/2013 16:21:04	03/11/2013 16:21:09	Tracked / Rejected
	✗	03/11/2013 16:21:09	03/11/2013 18:32:19	No data
G03	✗	03/11/2013 16:08:09	03/11/2013 17:29:49	No data
	✗	03/11/2013 17:29:49	03/11/2013 17:31:29	Tracked / Rejected
	✗	03/11/2013 17:31:29	03/11/2013 17:31:39	No data
	✓	03/11/2013 17:31:39	03/11/2013 17:37:09	Tracked / Used
	✗	03/11/2013 17:37:09	03/11/2013 17:37:19	No data
	✓	03/11/2013 17:37:19	03/11/2013 17:40:19	Tracked / Used
	✗	03/11/2013 17:40:19	03/11/2013 17:40:24	No data
	✓	03/11/2013 17:40:24	03/11/2013 17:41:49	Tracked / Used
	✗	03/11/2013 17:41:49	03/11/2013 17:41:54	No data
	✗	03/11/2013 17:41:54	03/11/2013 17:42:04	Tracked / Rejected
	✗	03/11/2013 17:42:04	03/11/2013 17:42:09	No data
	✓	03/11/2013 17:42:09	03/11/2013 17:46:54	Tracked / Used
	✗	03/11/2013 17:46:54	03/11/2013 17:49:44	No data
	✓	03/11/2013 17:49:44	03/11/2013 17:55:09	Tracked / Used
	✗	03/11/2013 17:55:09	03/11/2013 17:56:39	No data
	✓	03/11/2013 17:56:39	03/11/2013 18:08:39	Tracked / Used
	✗	03/11/2013 18:08:39	03/11/2013 18:08:59	No data
	✗	03/11/2013 18:08:59	03/11/2013 18:09:09	Tracked / Rejected
	✗	03/11/2013 18:09:09	03/11/2013 18:09:19	No data
	✓	03/11/2013 18:09:19	03/11/2013 18:13:29	Tracked / Used
	✗	03/11/2013 18:13:29	03/11/2013 18:14:54	No data
	✓	03/11/2013 18:14:54	03/11/2013 18:17:54	Tracked / Used
	✗	03/11/2013 18:17:54	03/11/2013 18:20:39	No data
	✓	03/11/2013 18:20:39	03/11/2013 18:22:44	Tracked / Used
	✗	03/11/2013 18:22:44	03/11/2013 18:24:14	No data
	✓	03/11/2013 18:24:14	03/11/2013 18:28:14	Tracked / Used
	✗	03/11/2013 18:28:14	03/11/2013 18:30:24	No data
	✗	03/11/2013 18:30:24	03/11/2013 18:31:54	Tracked / Rejected
	✗	03/11/2013 18:31:54	03/11/2013 18:32:14	No data
	✗	03/11/2013 18:32:14	03/11/2013 18:32:19	Tracked / Rejected
	✗	03/11/2013 18:32:19	03/11/2013 18:32:19	No data
G06	✗	03/11/2013 16:08:09	03/11/2013 17:09:49	No data
	✗	03/11/2013 17:09:49	03/11/2013 17:10:39	Tracked / Rejected

	✗	03/11/2013 17:10:39	03/11/2013 17:22:19	No data
	✗	03/11/2013 17:22:19	03/11/2013 17:22:24	Tracked / Rejected
	✗	03/11/2013 17:22:24	03/11/2013 17:22:29	No data
	✗	03/11/2013 17:22:29	03/11/2013 17:22:34	Tracked / Rejected
	✗	03/11/2013 17:22:34	03/11/2013 17:22:54	No data
	✗	03/11/2013 17:22:54	03/11/2013 17:22:59	Tracked / Rejected
	✗	03/11/2013 17:22:59	03/11/2013 17:23:09	No data
	✗	03/11/2013 17:23:09	03/11/2013 17:23:29	Tracked / Rejected
	✗	03/11/2013 17:23:29	03/11/2013 17:23:44	No data
	✗	03/11/2013 17:23:44	03/11/2013 17:24:09	Tracked / Rejected
	✗	03/11/2013 17:24:09	03/11/2013 17:24:19	No data
	✓	03/11/2013 17:24:19	03/11/2013 17:26:59	Tracked / Used
	✗	03/11/2013 17:26:59	03/11/2013 17:35:44	No data
	✓	03/11/2013 17:35:44	03/11/2013 17:54:04	Tracked / Used
	✗	03/11/2013 17:54:04	03/11/2013 17:54:14	No data
	✗	03/11/2013 17:54:14	03/11/2013 17:54:19	Tracked / Rejected
	✗	03/11/2013 17:54:19	03/11/2013 17:54:24	No data
	✗	03/11/2013 17:54:24	03/11/2013 17:54:39	Tracked / Rejected
	✗	03/11/2013 17:54:39	03/11/2013 17:54:44	No data
	✗	03/11/2013 17:54:44	03/11/2013 17:54:49	Tracked / Rejected
	✗	03/11/2013 17:54:49	03/11/2013 17:54:54	No data
	✓	03/11/2013 17:54:54	03/11/2013 18:06:49	Tracked / Used
	✗	03/11/2013 18:06:49	03/11/2013 18:06:54	No data
	✓	03/11/2013 18:06:54	03/11/2013 18:32:19	Tracked / Used
G13	✗	03/11/2013 16:08:09	03/11/2013 17:25:54	No data
	✗	03/11/2013 17:25:54	03/11/2013 17:25:59	Tracked / Rejected
	✗	03/11/2013 17:25:59	03/11/2013 17:39:59	No data
	✓	03/11/2013 17:39:59	03/11/2013 18:32:19	Tracked / Used
G14	✓	03/11/2013 16:08:09	03/11/2013 16:13:19	Tracked / Used
	✗	03/11/2013 16:13:19	03/11/2013 16:15:09	No data
	✗	03/11/2013 16:15:09	03/11/2013 16:15:14	Tracked / Rejected
	✗	03/11/2013 16:15:14	03/11/2013 16:15:39	No data
	✓	03/11/2013 16:15:39	03/11/2013 16:16:19	Tracked / Used
	✗	03/11/2013 16:16:19	03/11/2013 16:31:29	No data
	✓	03/11/2013 16:31:29	03/11/2013 16:33:59	Tracked / Used
	✗	03/11/2013 16:33:59	03/11/2013 16:35:19	Tracked / Rejected
	✗	03/11/2013 16:35:19	03/11/2013 16:35:24	No data
	✓	03/11/2013 16:35:24	03/11/2013 16:36:49	Tracked / Used
	✗	03/11/2013 16:36:49	03/11/2013 16:36:54	No data
	✓	03/11/2013 16:36:54	03/11/2013 16:41:29	Tracked / Used
	✗	03/11/2013 16:41:29	03/11/2013 16:43:59	No data
	✓	03/11/2013 16:43:59	03/11/2013 16:51:04	Tracked / Used
	✗	03/11/2013 16:51:04	03/11/2013 16:51:24	No data
	✗	03/11/2013 16:51:24	03/11/2013 16:51:49	Tracked / Rejected
	✗	03/11/2013 16:51:49	03/11/2013 16:51:54	No data
	✗	03/11/2013 16:51:54	03/11/2013 16:52:29	Tracked / Rejected
	✗	03/11/2013 16:52:29	03/11/2013 16:53:09	No data
	✓	03/11/2013 16:53:09	03/11/2013 16:54:29	Tracked / Used
	✗	03/11/2013 16:54:29	03/11/2013 16:54:34	Tracked / Rejected
	✗	03/11/2013 16:54:34	03/11/2013 16:54:39	No data

	✗	03/11/2013 16:54:39	03/11/2013 16:55:54	Tracked / Rejected
	✗	03/11/2013 16:55:54	03/11/2013 16:55:59	No data
	✗	03/11/2013 16:55:59	03/11/2013 16:56:09	Tracked / Rejected
	✗	03/11/2013 16:56:09	03/11/2013 16:56:14	No data
	✗	03/11/2013 16:56:14	03/11/2013 16:56:19	Tracked / Rejected
	✗	03/11/2013 16:56:19	03/11/2013 17:04:54	No data
	✗	03/11/2013 17:04:54	03/11/2013 17:06:29	Tracked / Rejected
	✗	03/11/2013 17:06:29	03/11/2013 18:32:19	No data
G16	✓	03/11/2013 16:08:09	03/11/2013 16:13:29	Tracked / Used
	✗	03/11/2013 16:13:29	03/11/2013 16:13:39	No data
	✓	03/11/2013 16:13:39	03/11/2013 18:32:19	Tracked / Used
G19	✗	03/11/2013 16:08:09	03/11/2013 18:23:19	No data
	✗	03/11/2013 18:23:19	03/11/2013 18:26:24	Tracked / Rejected
	✗	03/11/2013 18:26:24	03/11/2013 18:26:39	No data
	✗	03/11/2013 18:26:39	03/11/2013 18:26:49	Tracked / Rejected
	✗	03/11/2013 18:26:49	03/11/2013 18:26:59	No data
	✗	03/11/2013 18:26:59	03/11/2013 18:28:04	Tracked / Rejected
	✗	03/11/2013 18:28:04	03/11/2013 18:28:49	No data
	✗	03/11/2013 18:28:49	03/11/2013 18:32:19	Tracked / Rejected
G20	✓	03/11/2013 16:08:09	03/11/2013 18:32:19	Tracked / Used
G22	✗	03/11/2013 16:08:09	03/11/2013 16:08:49	No data
	✗	03/11/2013 16:08:49	03/11/2013 16:09:24	Tracked / Rejected
	✗	03/11/2013 16:09:24	03/11/2013 16:09:29	No data
	✗	03/11/2013 16:09:29	03/11/2013 16:09:34	Tracked / Rejected
	✗	03/11/2013 16:09:34	03/11/2013 18:32:19	No data
G23	✗	03/11/2013 16:08:09	03/11/2013 16:33:39	No data
	✓	03/11/2013 16:33:39	03/11/2013 18:32:19	Tracked / Used
G30	✓	03/11/2013 16:08:09	03/11/2013 18:32:19	Tracked / Used
G31	✓	03/11/2013 16:08:09	03/11/2013 18:32:19	Tracked / Used
G32	✓	03/11/2013 16:08:09	03/11/2013 18:32:19	Tracked / Used

Tracking Status GPS L2:

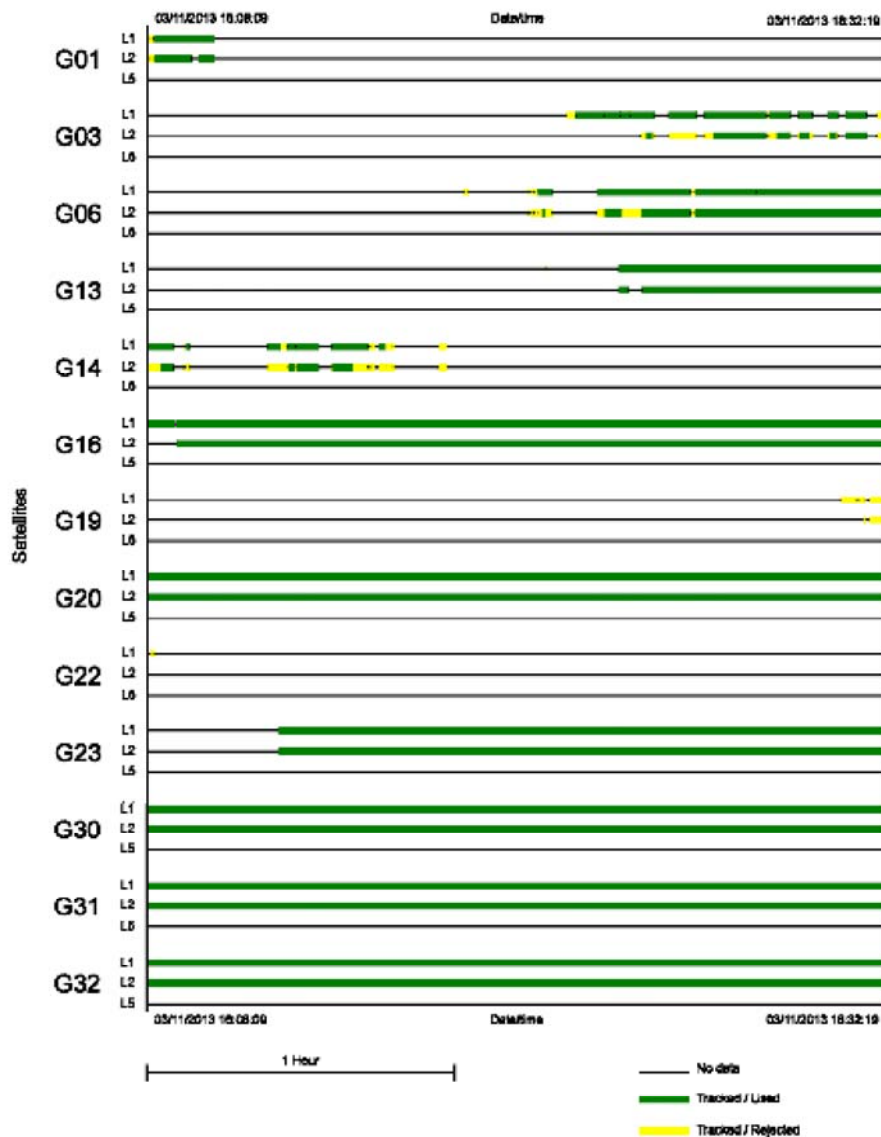
Satellite		From	To	Status
G01	✗	03/11/2013 16:08:09	03/11/2013 16:08:14	No data
	✗	03/11/2013 16:08:14	03/11/2013 16:08:19	Tracked / Rejected
	✗	03/11/2013 16:08:19	03/11/2013 16:08:24	No data
	✗	03/11/2013 16:08:24	03/11/2013 16:08:39	Tracked / Rejected
	✗	03/11/2013 16:08:39	03/11/2013 16:08:44	No data
	✗	03/11/2013 16:08:44	03/11/2013 16:09:14	Tracked / Rejected
	✗	03/11/2013 16:09:14	03/11/2013 16:09:24	No data
	✗	03/11/2013 16:09:24	03/11/2013 16:09:29	Tracked / Rejected
	✓	03/11/2013 16:09:29	03/11/2013 16:16:39	Tracked / Used
	✗	03/11/2013 16:16:39	03/11/2013 16:18:09	No data
	✓	03/11/2013 16:18:09	03/11/2013 16:21:04	Tracked / Used
	✗	03/11/2013 16:21:04	03/11/2013 16:21:09	Tracked / Rejected
	✗	03/11/2013 16:21:09	03/11/2013 18:32:19	No data
G03	✗	03/11/2013 16:08:09	03/11/2013 17:44:19	No data
	✗	03/11/2013 17:44:19	03/11/2013 17:45:24	Tracked / Rejected
	✓	03/11/2013 17:45:24	03/11/2013 17:46:29	Tracked / Used
	✗	03/11/2013 17:46:29	03/11/2013 17:46:54	Tracked / Rejected
		03/11/2013 17:46:54	03/11/2013 17:49:44	No data

	×			
	×	03/11/2013 17:49:44	03/11/2013 17:55:09	Tracked / Rejected
	×	03/11/2013 17:55:09	03/11/2013 17:56:39	No data
	×	03/11/2013 17:56:39	03/11/2013 17:58:24	Tracked / Rejected
	✓	03/11/2013 17:58:24	03/11/2013 18:08:39	Tracked / Used
	×	03/11/2013 18:08:39	03/11/2013 18:08:59	No data
	×	03/11/2013 18:08:59	03/11/2013 18:09:09	Tracked / Rejected
	×	03/11/2013 18:09:09	03/11/2013 18:09:19	No data
	×	03/11/2013 18:09:19	03/11/2013 18:10:49	Tracked / Rejected
	✓	03/11/2013 18:10:49	03/11/2013 18:12:44	Tracked / Used
	×	03/11/2013 18:12:44	03/11/2013 18:12:54	Tracked / Rejected
	✓	03/11/2013 18:12:54	03/11/2013 18:13:19	Tracked / Used
	×	03/11/2013 18:13:19	03/11/2013 18:13:24	Tracked / Rejected
	✓	03/11/2013 18:13:24	03/11/2013 18:13:29	Tracked / Used
	×	03/11/2013 18:13:29	03/11/2013 18:14:54	No data
	×	03/11/2013 18:14:54	03/11/2013 18:15:24	Tracked / Rejected
	✓	03/11/2013 18:15:24	03/11/2013 18:16:59	Tracked / Used
	×	03/11/2013 18:16:59	03/11/2013 18:17:54	Tracked / Rejected
	×	03/11/2013 18:17:54	03/11/2013 18:20:39	No data
	×	03/11/2013 18:20:39	03/11/2013 18:21:09	Tracked / Rejected
	✓	03/11/2013 18:21:09	03/11/2013 18:22:24	Tracked / Used
	×	03/11/2013 18:22:24	03/11/2013 18:22:44	Tracked / Rejected
	×	03/11/2013 18:22:44	03/11/2013 18:24:14	No data
	×	03/11/2013 18:24:14	03/11/2013 18:24:24	Tracked / Rejected
	✓	03/11/2013 18:24:24	03/11/2013 18:28:14	Tracked / Used
	×	03/11/2013 18:28:14	03/11/2013 18:30:24	No data
	×	03/11/2013 18:30:24	03/11/2013 18:31:54	Tracked / Rejected
	×	03/11/2013 18:31:54	03/11/2013 18:32:14	No data
	×	03/11/2013 18:32:14	03/11/2013 18:32:19	Tracked / Rejected
	×	03/11/2013 18:32:19	03/11/2013 18:32:19	No data
G06	×	03/11/2013 16:08:09	03/11/2013 17:22:19	No data
	×	03/11/2013 17:22:19	03/11/2013 17:22:24	Tracked / Rejected
	×	03/11/2013 17:22:24	03/11/2013 17:22:29	No data
	×	03/11/2013 17:22:29	03/11/2013 17:22:34	Tracked / Rejected
	×	03/11/2013 17:22:34	03/11/2013 17:22:54	No data
	×	03/11/2013 17:22:54	03/11/2013 17:22:59	Tracked / Rejected
	×	03/11/2013 17:22:59	03/11/2013 17:23:09	No data
	×	03/11/2013 17:23:09	03/11/2013 17:23:29	Tracked / Rejected
	×	03/11/2013 17:23:29	03/11/2013 17:23:44	No data
	×	03/11/2013 17:23:44	03/11/2013 17:24:09	Tracked / Rejected
	×	03/11/2013 17:24:09	03/11/2013 17:24:19	No data
	×	03/11/2013 17:24:19	03/11/2013 17:25:09	Tracked / Rejected
	✓	03/11/2013 17:25:09	03/11/2013 17:25:39	Tracked / Used
	×	03/11/2013 17:25:39	03/11/2013 17:26:59	Tracked / Rejected
	×	03/11/2013 17:26:59	03/11/2013 17:35:44	No data
	×	03/11/2013 17:35:44	03/11/2013 17:37:14	Tracked / Rejected
	✓	03/11/2013 17:37:14	03/11/2013 17:40:34	Tracked / Used
	×	03/11/2013 17:40:34	03/11/2013 17:44:24	Tracked / Rejected
	✓	03/11/2013 17:44:24	03/11/2013 17:54:04	Tracked / Used
	×	03/11/2013 17:54:04	03/11/2013 17:54:14	No data

	✗	03/11/2013 17:54:14	03/11/2013 17:54:19	Tracked / Rejected
	✗	03/11/2013 17:54:19	03/11/2013 17:54:24	No data
	✗	03/11/2013 17:54:24	03/11/2013 17:54:39	Tracked / Rejected
	✗	03/11/2013 17:54:39	03/11/2013 17:54:44	No data
	✗	03/11/2013 17:54:44	03/11/2013 17:54:49	Tracked / Rejected
	✗	03/11/2013 17:54:49	03/11/2013 17:54:54	No data
	✗	03/11/2013 17:54:54	03/11/2013 17:55:04	Tracked / Rejected
	✓	03/11/2013 17:55:04	03/11/2013 18:06:49	Tracked / Used
	✗	03/11/2013 18:06:49	03/11/2013 18:06:54	No data
	✗	03/11/2013 18:06:54	03/11/2013 18:07:09	Tracked / Rejected
	✓	03/11/2013 18:07:09	03/11/2013 18:32:19	Tracked / Used
G13	✗	03/11/2013 16:08:09	03/11/2013 17:39:59	No data
	✓	03/11/2013 17:39:59	03/11/2013 17:41:49	Tracked / Used
	✗	03/11/2013 17:41:49	03/11/2013 17:44:29	No data
	✓	03/11/2013 17:44:29	03/11/2013 18:32:19	Tracked / Used
G14	✗	03/11/2013 16:08:09	03/11/2013 16:08:19	No data
	✗	03/11/2013 16:08:19	03/11/2013 16:10:49	Tracked / Rejected
	✓	03/11/2013 16:10:49	03/11/2013 16:13:19	Tracked / Used
	✗	03/11/2013 16:13:19	03/11/2013 16:15:09	No data
	✗	03/11/2013 16:15:09	03/11/2013 16:15:14	Tracked / Rejected
	✗	03/11/2013 16:15:14	03/11/2013 16:15:39	No data
	✗	03/11/2013 16:15:39	03/11/2013 16:16:19	Tracked / Rejected
	✗	03/11/2013 16:16:19	03/11/2013 16:31:29	No data
	✗	03/11/2013 16:31:29	03/11/2013 16:35:19	Tracked / Rejected
	✗	03/11/2013 16:35:19	03/11/2013 16:35:24	No data
	✗	03/11/2013 16:35:24	03/11/2013 16:35:39	Tracked / Rejected
	✓	03/11/2013 16:35:39	03/11/2013 16:36:49	Tracked / Used
	✗	03/11/2013 16:36:49	03/11/2013 16:36:54	No data
	✗	03/11/2013 16:36:54	03/11/2013 16:37:09	Tracked / Rejected
	✓	03/11/2013 16:37:09	03/11/2013 16:41:29	Tracked / Used
	✗	03/11/2013 16:41:29	03/11/2013 16:43:59	No data
	✗	03/11/2013 16:43:59	03/11/2013 16:44:09	Tracked / Rejected
	✓	03/11/2013 16:44:09	03/11/2013 16:48:09	Tracked / Used
	✗	03/11/2013 16:48:09	03/11/2013 16:51:04	Tracked / Rejected
	✗	03/11/2013 16:51:04	03/11/2013 16:51:24	No data
	✗	03/11/2013 16:51:24	03/11/2013 16:51:49	Tracked / Rejected
	✗	03/11/2013 16:51:49	03/11/2013 16:51:54	No data
	✗	03/11/2013 16:51:54	03/11/2013 16:52:29	Tracked / Rejected
	✗	03/11/2013 16:52:29	03/11/2013 16:53:09	No data
	✗	03/11/2013 16:53:09	03/11/2013 16:54:34	Tracked / Rejected
	✗	03/11/2013 16:54:34	03/11/2013 16:54:39	No data
	✗	03/11/2013 16:54:39	03/11/2013 16:55:54	Tracked / Rejected
	✗	03/11/2013 16:55:54	03/11/2013 16:55:59	No data
	✗	03/11/2013 16:55:59	03/11/2013 16:56:09	Tracked / Rejected
	✗	03/11/2013 16:56:09	03/11/2013 16:56:14	No data
	✗	03/11/2013 16:56:14	03/11/2013 16:56:19	Tracked / Rejected
	✗	03/11/2013 16:56:19	03/11/2013 17:04:54	No data
	✗	03/11/2013 17:04:54	03/11/2013 17:06:29	Tracked / Rejected
	✗	03/11/2013 17:06:29	03/11/2013 18:32:19	No data
G16	✗	03/11/2013 16:08:09	03/11/2013 16:13:49	No data

	✓	03/11/2013 16:13:49	03/11/2013 18:32:19	Tracked / Used
G19	✗	03/11/2013 16:08:09	03/11/2013 18:27:44	No data
	✗	03/11/2013 18:27:44	03/11/2013 18:28:04	Tracked / Rejected
	✗	03/11/2013 18:28:04	03/11/2013 18:28:49	No data
	✗	03/11/2013 18:28:49	03/11/2013 18:32:19	Tracked / Rejected
G20	✓	03/11/2013 16:08:09	03/11/2013 18:32:19	Tracked / Used
G23	✗	03/11/2013 16:08:09	03/11/2013 16:33:39	No data
	✓	03/11/2013 16:33:39	03/11/2013 18:32:19	Tracked / Used
G30	✓	03/11/2013 16:08:09	03/11/2013 18:32:19	Tracked / Used
G31	✓	03/11/2013 16:08:09	03/11/2013 18:32:19	Tracked / Used
G32	✓	03/11/2013 16:08:09	03/11/2013 18:32:19	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 96
 Number of fixed GPS ambiguities: 56
 Number of independent fixes: 521
 Avg. time between independent fixes: 10"

 Percentage of fixed epochs (L1): 98%
 Percentage of fixed epochs (L2): 99%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/11/2013 16:08:09	03/11/2013 18:32:19	2h 24' 10"

Cycle Slip Statistics

Total number of cycle slips: 4

Time	Satellite	Frequency	Slip value	Flags
03/11/2013 16:54:29	G14	L1	-	ria
03/11/2013 17:41:59	G03	L1	-	ria
03/11/2013 17:44:19	G03	L1	-	ria
03/11/2013 18:22:24	G03	L1	-	flagged

Final Coordinates

	Reference:G358	Rover:CK7-A	
Coordinates:			
Latitude:	29° 27' 38.86109" N	29° 26' 02.40375" N	
Longitude:	90° 18' 31.16528" W	90° 15' 50.04058" W	
Ellip. Hgt:	-23.95703 m	-24.38299 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00016 m Posn. Qlty: 0.00024 m	Sd. Lon: 0.00018 m Sd. Slope: 0.00017 m	Sd. Hgt: 0.00045 m
M0:	0.95084 m		
Cofactor matrix Qxx:	0.00000003	-0.00000000 0.00000003	0.00000001 -0.00000001 0.00000023
Baseline vector:	dLat: -0° 01' 36.45733" Slope: 5260.64029 m	dLon: 0° 02' 41.12470"	dHgt: -0.42596 m
DOPs (min-max):	GDOP: 1.9 - 7.4 PDOP: 1.6 - 5.9	HDOP: 0.9 - 2.6	VDOP: 1.3 - 5.3
Number of used satellites:	GPS: 11 GLONASS: -		

Results - Baseline

G358 - 123

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:05

Point Information

	Reference: G358	Rover: 123
Receiver type / S/N:	SR530 / 34012	SR530 / 30486
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.36300 m	1.26300 m
Initial coordinates:		
Latitude:	29° 27' 38.86109" N	29° 33' 10.71110" N
Longitude:	90° 18' 31.16528" W	90° 16' 32.60598" W
Ellip. Hgt:	-23.95703 m	-27.50451 m
Time span:	03/12/2013 14:09:29 - 03/12/2013 16:53:54	
Duration:	2h 44' 25"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 38.86109" N
 Longitude: 90° 18' 31.16528" W
 Time (UT): 03/12/2013 18:34:14

Validity: From epoch: 03/12/2013 13:34:14
 To epoch: 03/12/2013 16:59:24

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	3.61108562	0.01253466
	0	1	0.54289006	0.01144192
	0	2	-0.42737507	0.00527010
	1	0	-0.51705222	0.00808210
	1	1	-0.16175842	0.00869131

Antenna Information

	Reference: G358	Rover: 123
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1974

GPS:

Number of used observations (L1): 14422
 Number of rejected observations (L1): 278
 Number of used observations (L2): 13016
 Number of rejected observations (L2): 903

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✓	03/12/2013 14:09:29	03/12/2013 14:14:54	Tracked / Used
	✗	03/12/2013 14:14:54	03/12/2013 14:14:59	No data
	✓	03/12/2013 14:14:59	03/12/2013 16:16:54	Tracked / Used
	✗	03/12/2013 16:16:54	03/12/2013 16:16:59	Tracked / Rejected
	✗	03/12/2013 16:16:59	03/12/2013 16:53:54	No data
G11	✓	03/12/2013 14:09:29	03/12/2013 15:02:59	Tracked / Used
	✗	03/12/2013 15:02:59	03/12/2013 15:03:04	Tracked / Rejected
	✗	03/12/2013 15:03:04	03/12/2013 16:53:54	No data
G12	✓	03/12/2013 14:09:29	03/12/2013 14:13:39	Tracked / Used
	✗	03/12/2013 14:13:39	03/12/2013 14:13:44	Tracked / Rejected
	✗	03/12/2013 14:13:44	03/12/2013 16:53:54	No data
G14	✓	03/12/2013 14:09:29	03/12/2013 15:57:59	Tracked / Used
	✗	03/12/2013 15:57:59	03/12/2013 15:58:14	No data
	✓	03/12/2013 15:58:14	03/12/2013 16:09:19	Tracked / Used
	✗	03/12/2013 16:09:19	03/12/2013 16:09:24	No data
	✗	03/12/2013 16:09:24	03/12/2013 16:09:29	Tracked / Rejected
	✗	03/12/2013 16:09:29	03/12/2013 16:27:24	No data
	✓	03/12/2013 16:27:24	03/12/2013 16:28:44	Tracked / Used
	✗	03/12/2013 16:28:44	03/12/2013 16:36:39	No data
	✓	03/12/2013 16:36:39	03/12/2013 16:43:54	Tracked / Used
	✗	03/12/2013 16:43:54	03/12/2013 16:43:59	No data
	✗	03/12/2013 16:43:59	03/12/2013 16:46:09	Tracked / Rejected
	✗	03/12/2013 16:46:09	03/12/2013 16:46:19	No data
	✗	03/12/2013 16:46:19	03/12/2013 16:46:29	Tracked / Rejected
	✗	03/12/2013 16:46:29	03/12/2013 16:46:39	No data
	✓	03/12/2013 16:46:39	03/12/2013 16:47:44	Tracked / Used
	✗	03/12/2013 16:47:44	03/12/2013 16:47:54	No data
	✓	03/12/2013 16:47:54	03/12/2013 16:51:39	Tracked / Used
	✗	03/12/2013 16:51:39	03/12/2013 16:52:59	No data
	✗	03/12/2013 16:52:59	03/12/2013 16:53:14	Tracked / Rejected
	G16	✗	03/12/2013 16:53:14	03/12/2013 16:53:54
✗		03/12/2013 14:09:29	03/12/2013 15:27:49	No data
✓		03/12/2013 15:27:49	03/12/2013 15:37:59	Tracked / Used
✗		03/12/2013 15:37:59	03/12/2013 15:38:29	No data
✓		03/12/2013 15:38:29	03/12/2013 16:37:04	Tracked / Used
G18	✗	03/12/2013 16:37:04	03/12/2013 16:37:14	No data
	✓	03/12/2013 16:37:14	03/12/2013 16:53:54	Tracked / Used
	✓	03/12/2013 14:09:29	03/12/2013 14:34:54	Tracked / Used
	✗	03/12/2013 14:34:54	03/12/2013 14:34:59	No data
	✓	03/12/2013 14:34:59	03/12/2013 14:51:29	Tracked / Used
G20	✗	03/12/2013 14:51:29	03/12/2013 14:51:34	Tracked / Rejected
	✗	03/12/2013 14:51:34	03/12/2013 16:53:54	No data
	✗	03/12/2013 14:09:29	03/12/2013 15:18:34	No data

G22	✓	03/12/2013 15:18:34	03/12/2013 16:53:54	Tracked / Used
	✓	03/12/2013 14:09:29	03/12/2013 15:11:59	Tracked / Used
	✗	03/12/2013 15:11:59	03/12/2013 15:13:09	No data
	✗	03/12/2013 15:13:09	03/12/2013 15:16:44	Tracked / Rejected
	✗	03/12/2013 15:16:44	03/12/2013 15:16:54	No data
	✓	03/12/2013 15:16:54	03/12/2013 15:20:19	Tracked / Used
	✗	03/12/2013 15:20:19	03/12/2013 15:20:29	No data
	✗	03/12/2013 15:20:29	03/12/2013 15:23:44	Tracked / Rejected
	✗	03/12/2013 15:23:44	03/12/2013 15:23:49	No data
	✓	03/12/2013 15:23:49	03/12/2013 15:31:24	Tracked / Used
	✗	03/12/2013 15:31:24	03/12/2013 15:35:44	No data
	✓	03/12/2013 15:35:44	03/12/2013 15:38:59	Tracked / Used
	✗	03/12/2013 15:38:59	03/12/2013 15:42:49	No data
	✓	03/12/2013 15:42:49	03/12/2013 15:46:39	Tracked / Used
	✗	03/12/2013 15:46:39	03/12/2013 15:49:24	No data
	✓	03/12/2013 15:49:24	03/12/2013 15:54:19	Tracked / Used
	✗	03/12/2013 15:54:19	03/12/2013 15:55:24	No data
	✓	03/12/2013 15:55:24	03/12/2013 15:59:19	Tracked / Used
	✗	03/12/2013 15:59:19	03/12/2013 15:59:29	No data
	✗	03/12/2013 15:59:29	03/12/2013 15:59:34	Tracked / Rejected
	✗	03/12/2013 15:59:34	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:54	Tracked / Rejected
	✗	03/12/2013 15:59:54	03/12/2013 16:00:09	No data
	✗	03/12/2013 16:00:09	03/12/2013 16:00:39	Tracked / Rejected
	✗	03/12/2013 16:00:39	03/12/2013 16:02:59	No data
	✗	03/12/2013 16:02:59	03/12/2013 16:03:39	Tracked / Rejected
	✗	03/12/2013 16:03:39	03/12/2013 16:04:39	No data
	✗	03/12/2013 16:04:39	03/12/2013 16:05:04	Tracked / Rejected
G23	✗	03/12/2013 16:05:04	03/12/2013 16:53:54	No data
	✗	03/12/2013 14:09:29	03/12/2013 16:13:09	No data
	✗	03/12/2013 16:13:09	03/12/2013 16:13:14	Tracked / Rejected
G25	✗	03/12/2013 16:13:14	03/12/2013 16:29:14	No data
	✓	03/12/2013 16:29:14	03/12/2013 16:53:54	Tracked / Used
	✓	03/12/2013 14:09:29	03/12/2013 14:09:34	Tracked / Used
	✗	03/12/2013 14:09:34	03/12/2013 14:09:59	No data
G30	✓	03/12/2013 14:09:59	03/12/2013 15:52:59	Tracked / Used
	✗	03/12/2013 15:52:59	03/12/2013 15:53:04	Tracked / Rejected
	✗	03/12/2013 15:53:04	03/12/2013 16:53:54	No data
	✗	03/12/2013 14:09:29	03/12/2013 14:26:19	No data
	✓	03/12/2013 14:26:19	03/12/2013 14:31:34	Tracked / Used
	✗	03/12/2013 14:31:34	03/12/2013 14:31:44	No data
	✓	03/12/2013 14:31:44	03/12/2013 14:35:14	Tracked / Used
	✗	03/12/2013 14:35:14	03/12/2013 14:37:14	No data
	✗	03/12/2013 14:37:14	03/12/2013 14:37:29	Tracked / Rejected
	✗	03/12/2013 14:37:29	03/12/2013 14:37:39	No data
	✗	03/12/2013 14:37:39	03/12/2013 14:37:54	Tracked / Rejected
	✗	03/12/2013 14:37:54	03/12/2013 14:37:59	No data
	✓	03/12/2013 14:37:59	03/12/2013 14:42:09	Tracked / Used
	✗	03/12/2013 14:42:09	03/12/2013 14:42:14	No data
	✗	03/12/2013 14:42:14	03/12/2013 14:43:19	Tracked / Rejected

	✗	03/12/2013 14:43:19	03/12/2013 14:43:49	No data
	✓	03/12/2013 14:43:49	03/12/2013 14:46:19	Tracked / Used
	✗	03/12/2013 14:46:19	03/12/2013 14:47:09	No data
	✓	03/12/2013 14:47:09	03/12/2013 14:51:29	Tracked / Used
	✗	03/12/2013 14:51:29	03/12/2013 14:53:54	No data
	✗	03/12/2013 14:53:54	03/12/2013 14:54:19	Tracked / Rejected
	✗	03/12/2013 14:54:19	03/12/2013 14:54:24	No data
	✗	03/12/2013 14:54:24	03/12/2013 14:55:49	Tracked / Rejected
	✗	03/12/2013 14:55:49	03/12/2013 14:55:54	No data
	✓	03/12/2013 14:55:54	03/12/2013 15:01:54	Tracked / Used
	✗	03/12/2013 15:01:54	03/12/2013 15:01:59	No data
	✗	03/12/2013 15:01:59	03/12/2013 15:02:19	Tracked / Rejected
	✗	03/12/2013 15:02:19	03/12/2013 15:06:54	No data
	✗	03/12/2013 15:06:54	03/12/2013 15:08:59	Tracked / Rejected
	✗	03/12/2013 15:08:59	03/12/2013 15:09:14	No data
	✗	03/12/2013 15:09:14	03/12/2013 15:09:19	Tracked / Rejected
	✗	03/12/2013 15:09:19	03/12/2013 15:14:14	No data
	✗	03/12/2013 15:14:14	03/12/2013 15:18:34	Tracked / Rejected
	✗	03/12/2013 15:18:34	03/12/2013 15:18:44	No data
	✗	03/12/2013 15:18:44	03/12/2013 15:19:04	Tracked / Rejected
	✗	03/12/2013 15:19:04	03/12/2013 15:19:09	No data
	✗	03/12/2013 15:19:09	03/12/2013 15:19:34	Tracked / Rejected
	✗	03/12/2013 15:19:34	03/12/2013 15:22:09	No data
	✓	03/12/2013 15:22:09	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 15:59:44	No data
	✓	03/12/2013 15:59:44	03/12/2013 16:53:54	Tracked / Used
G31	✓	03/12/2013 14:09:29	03/12/2013 16:24:44	Tracked / Used
	✗	03/12/2013 16:24:44	03/12/2013 16:24:49	No data
	✓	03/12/2013 16:24:49	03/12/2013 16:53:54	Tracked / Used
G32	✗	03/12/2013 14:09:29	03/12/2013 14:10:39	No data
	✗	03/12/2013 14:10:39	03/12/2013 14:10:59	Tracked / Rejected
	✓	03/12/2013 14:10:59	03/12/2013 16:53:54	Tracked / Used

Tracking Status GPS L2:

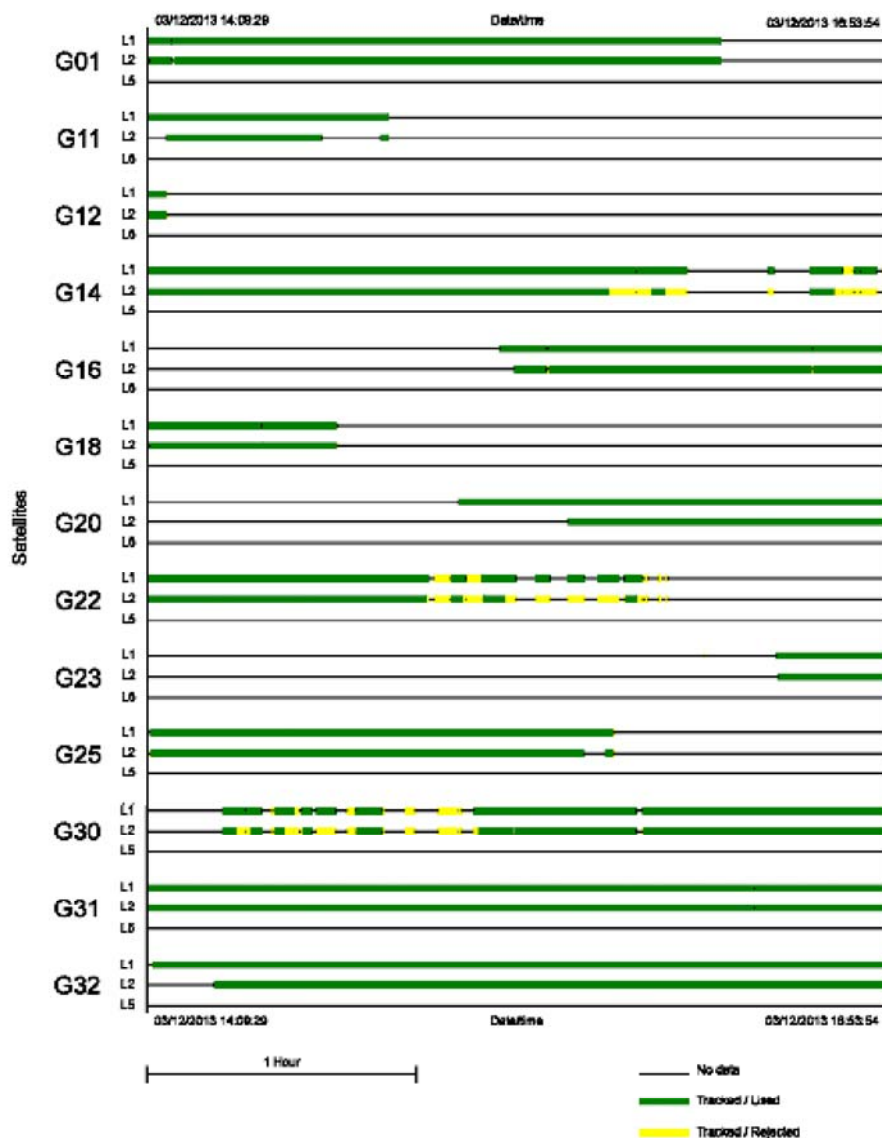
Satellite		From	To	Status
G01	✗	03/12/2013 14:09:29	03/12/2013 14:09:54	No data
	✓	03/12/2013 14:09:54	03/12/2013 14:14:54	Tracked / Used
	✗	03/12/2013 14:14:54	03/12/2013 14:15:24	No data
	✓	03/12/2013 14:15:24	03/12/2013 16:16:54	Tracked / Used
	✗	03/12/2013 16:16:54	03/12/2013 16:16:59	Tracked / Rejected
	✗	03/12/2013 16:16:59	03/12/2013 16:53:54	No data
G11	✗	03/12/2013 14:09:29	03/12/2013 14:13:34	No data
	✓	03/12/2013 14:13:34	03/12/2013 14:48:14	Tracked / Used
	✗	03/12/2013 14:48:14	03/12/2013 15:01:14	No data
	✓	03/12/2013 15:01:14	03/12/2013 15:02:59	Tracked / Used
	✗	03/12/2013 15:02:59	03/12/2013 15:03:04	Tracked / Rejected
	✗	03/12/2013 15:03:04	03/12/2013 16:53:54	No data
G12	✗	03/12/2013 14:09:29	03/12/2013 14:09:34	No data
	✓	03/12/2013 14:09:34	03/12/2013 14:13:39	Tracked / Used
	✗	03/12/2013 14:13:39	03/12/2013 14:13:44	Tracked / Rejected
		03/12/2013 14:13:44	03/12/2013 16:53:54	No data

G14	✗			
	✓	03/12/2013 14:09:29	03/12/2013 15:51:54	Tracked / Used
	✗	03/12/2013 15:51:54	03/12/2013 15:57:59	Tracked / Rejected
	✗	03/12/2013 15:57:59	03/12/2013 15:58:14	No data
	✗	03/12/2013 15:58:14	03/12/2013 16:01:39	Tracked / Rejected
	✓	03/12/2013 16:01:39	03/12/2013 16:04:29	Tracked / Used
	✗	03/12/2013 16:04:29	03/12/2013 16:09:19	Tracked / Rejected
	✗	03/12/2013 16:09:19	03/12/2013 16:09:24	No data
	✗	03/12/2013 16:09:24	03/12/2013 16:09:29	Tracked / Rejected
	✗	03/12/2013 16:09:29	03/12/2013 16:27:24	No data
	✗	03/12/2013 16:27:24	03/12/2013 16:28:44	Tracked / Rejected
	✗	03/12/2013 16:28:44	03/12/2013 16:36:39	No data
	✗	03/12/2013 16:36:39	03/12/2013 16:36:44	Tracked / Rejected
	✓	03/12/2013 16:36:44	03/12/2013 16:42:09	Tracked / Used
	✗	03/12/2013 16:42:09	03/12/2013 16:43:54	Tracked / Rejected
	✗	03/12/2013 16:43:54	03/12/2013 16:43:59	No data
	✗	03/12/2013 16:43:59	03/12/2013 16:46:09	Tracked / Rejected
	✗	03/12/2013 16:46:09	03/12/2013 16:46:19	No data
	✗	03/12/2013 16:46:19	03/12/2013 16:46:29	Tracked / Rejected
	✗	03/12/2013 16:46:29	03/12/2013 16:46:39	No data
	✗	03/12/2013 16:46:39	03/12/2013 16:47:44	Tracked / Rejected
	✗	03/12/2013 16:47:44	03/12/2013 16:47:54	No data
	✗	03/12/2013 16:47:54	03/12/2013 16:51:39	Tracked / Rejected
	✗	03/12/2013 16:51:39	03/12/2013 16:52:59	No data
	✗	03/12/2013 16:52:59	03/12/2013 16:53:14	Tracked / Rejected
	✗	03/12/2013 16:53:14	03/12/2013 16:53:54	No data
G16	✗	03/12/2013 14:09:29	03/12/2013 15:30:59	No data
	✓	03/12/2013 15:30:59	03/12/2013 15:37:59	Tracked / Used
	✗	03/12/2013 15:37:59	03/12/2013 15:38:29	No data
	✗	03/12/2013 15:38:29	03/12/2013 15:38:39	Tracked / Rejected
	✓	03/12/2013 15:38:39	03/12/2013 16:37:04	Tracked / Used
	✗	03/12/2013 16:37:04	03/12/2013 16:37:14	No data
	✗	03/12/2013 16:37:14	03/12/2013 16:37:24	Tracked / Rejected
G18	✓	03/12/2013 16:37:24	03/12/2013 16:53:54	Tracked / Used
	✗	03/12/2013 14:09:29	03/12/2013 14:09:49	No data
	✓	03/12/2013 14:09:49	03/12/2013 14:34:54	Tracked / Used
	✗	03/12/2013 14:34:54	03/12/2013 14:34:59	No data
	✗	03/12/2013 14:34:59	03/12/2013 14:35:09	Tracked / Rejected
	✓	03/12/2013 14:35:09	03/12/2013 14:51:29	Tracked / Used
	✗	03/12/2013 14:51:29	03/12/2013 14:51:34	Tracked / Rejected
G20	✗	03/12/2013 14:51:34	03/12/2013 16:53:54	No data
	✗	03/12/2013 14:09:29	03/12/2013 15:42:59	No data
	✓	03/12/2013 15:42:59	03/12/2013 16:53:54	Tracked / Used
G22	✓	03/12/2013 14:09:29	03/12/2013 15:11:29	Tracked / Used
	✗	03/12/2013 15:11:29	03/12/2013 15:11:59	Tracked / Rejected
	✗	03/12/2013 15:11:59	03/12/2013 15:13:09	No data
	✗	03/12/2013 15:13:09	03/12/2013 15:16:44	Tracked / Rejected
	✗	03/12/2013 15:16:44	03/12/2013 15:16:54	No data
	✗	03/12/2013 15:16:54	03/12/2013 15:17:04	Tracked / Rejected
	✓	03/12/2013 15:17:04	03/12/2013 15:19:34	Tracked / Used

	✗	03/12/2013 15:19:34	03/12/2013 15:20:19	Tracked / Rejected
	✗	03/12/2013 15:20:19	03/12/2013 15:20:29	No data
	✗	03/12/2013 15:20:29	03/12/2013 15:23:44	Tracked / Rejected
	✗	03/12/2013 15:23:44	03/12/2013 15:23:49	No data
	✗	03/12/2013 15:23:49	03/12/2013 15:24:04	Tracked / Rejected
	✓	03/12/2013 15:24:04	03/12/2013 15:28:59	Tracked / Used
	✗	03/12/2013 15:28:59	03/12/2013 15:31:24	Tracked / Rejected
	✗	03/12/2013 15:31:24	03/12/2013 15:35:44	No data
	✗	03/12/2013 15:35:44	03/12/2013 15:38:59	Tracked / Rejected
	✗	03/12/2013 15:38:59	03/12/2013 15:42:49	No data
	✗	03/12/2013 15:42:49	03/12/2013 15:46:39	Tracked / Rejected
	✗	03/12/2013 15:46:39	03/12/2013 15:49:24	No data
	✗	03/12/2013 15:49:24	03/12/2013 15:54:19	Tracked / Rejected
	✗	03/12/2013 15:54:19	03/12/2013 15:55:24	No data
	✗	03/12/2013 15:55:24	03/12/2013 15:55:39	Tracked / Rejected
	✓	03/12/2013 15:55:39	03/12/2013 15:58:14	Tracked / Used
	✗	03/12/2013 15:58:14	03/12/2013 15:59:19	Tracked / Rejected
	✗	03/12/2013 15:59:19	03/12/2013 15:59:29	No data
	✗	03/12/2013 15:59:29	03/12/2013 15:59:34	Tracked / Rejected
	✗	03/12/2013 15:59:34	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:54	Tracked / Rejected
	✗	03/12/2013 15:59:54	03/12/2013 16:00:09	No data
	✗	03/12/2013 16:00:09	03/12/2013 16:00:39	Tracked / Rejected
	✗	03/12/2013 16:00:39	03/12/2013 16:02:59	No data
	✗	03/12/2013 16:02:59	03/12/2013 16:03:39	Tracked / Rejected
	✗	03/12/2013 16:03:39	03/12/2013 16:04:39	No data
	✗	03/12/2013 16:04:39	03/12/2013 16:05:04	Tracked / Rejected
	✗	03/12/2013 16:05:04	03/12/2013 16:53:54	No data
G23	✗	03/12/2013 14:09:29	03/12/2013 16:29:44	No data
	✓	03/12/2013 16:29:44	03/12/2013 16:53:54	Tracked / Used
G25	✓	03/12/2013 14:09:29	03/12/2013 14:09:34	Tracked / Used
	✗	03/12/2013 14:09:34	03/12/2013 14:09:59	No data
	✗	03/12/2013 14:09:59	03/12/2013 14:10:14	Tracked / Rejected
	✓	03/12/2013 14:10:14	03/12/2013 15:46:24	Tracked / Used
	✗	03/12/2013 15:46:24	03/12/2013 15:51:09	No data
	✓	03/12/2013 15:51:09	03/12/2013 15:52:59	Tracked / Used
	✗	03/12/2013 15:52:59	03/12/2013 15:53:04	Tracked / Rejected
	✗	03/12/2013 15:53:04	03/12/2013 16:53:54	No data
G30	✗	03/12/2013 14:09:29	03/12/2013 14:26:19	No data
	✓	03/12/2013 14:26:19	03/12/2013 14:29:24	Tracked / Used
	✗	03/12/2013 14:29:24	03/12/2013 14:31:34	Tracked / Rejected
	✗	03/12/2013 14:31:34	03/12/2013 14:31:44	No data
	✗	03/12/2013 14:31:44	03/12/2013 14:32:34	Tracked / Rejected
	✓	03/12/2013 14:32:34	03/12/2013 14:35:09	Tracked / Used
	✗	03/12/2013 14:35:09	03/12/2013 14:35:14	Tracked / Rejected
	✗	03/12/2013 14:35:14	03/12/2013 14:37:14	No data
	✗	03/12/2013 14:37:14	03/12/2013 14:37:29	Tracked / Rejected
	✗	03/12/2013 14:37:29	03/12/2013 14:37:39	No data
	✗	03/12/2013 14:37:39	03/12/2013 14:37:54	Tracked / Rejected
	✗	03/12/2013 14:37:54	03/12/2013 14:37:59	No data

	✗	03/12/2013 14:37:59	03/12/2013 14:38:09	Tracked / Rejected
	✓	03/12/2013 14:38:09	03/12/2013 14:39:59	Tracked / Used
	✗	03/12/2013 14:39:59	03/12/2013 14:42:09	Tracked / Rejected
	✗	03/12/2013 14:42:09	03/12/2013 14:42:14	No data
	✗	03/12/2013 14:42:14	03/12/2013 14:43:19	Tracked / Rejected
	✗	03/12/2013 14:43:19	03/12/2013 14:43:49	No data
	✗	03/12/2013 14:43:49	03/12/2013 14:44:19	Tracked / Rejected
	✓	03/12/2013 14:44:19	03/12/2013 14:46:19	Tracked / Used
	✗	03/12/2013 14:46:19	03/12/2013 14:47:09	No data
	✗	03/12/2013 14:47:09	03/12/2013 14:51:29	Tracked / Rejected
	✗	03/12/2013 14:51:29	03/12/2013 14:53:54	No data
	✗	03/12/2013 14:53:54	03/12/2013 14:54:19	Tracked / Rejected
	✗	03/12/2013 14:54:19	03/12/2013 14:54:24	No data
	✗	03/12/2013 14:54:24	03/12/2013 14:55:49	Tracked / Rejected
	✗	03/12/2013 14:55:49	03/12/2013 14:55:54	No data
	✗	03/12/2013 14:55:54	03/12/2013 14:56:04	Tracked / Rejected
	✓	03/12/2013 14:56:04	03/12/2013 15:01:54	Tracked / Used
	✗	03/12/2013 15:01:54	03/12/2013 15:01:59	No data
	✗	03/12/2013 15:01:59	03/12/2013 15:02:19	Tracked / Rejected
	✗	03/12/2013 15:02:19	03/12/2013 15:06:54	No data
	✗	03/12/2013 15:06:54	03/12/2013 15:08:59	Tracked / Rejected
	✗	03/12/2013 15:08:59	03/12/2013 15:09:14	No data
	✗	03/12/2013 15:09:14	03/12/2013 15:09:19	Tracked / Rejected
	✗	03/12/2013 15:09:19	03/12/2013 15:14:14	No data
	✗	03/12/2013 15:14:14	03/12/2013 15:18:34	Tracked / Rejected
	✗	03/12/2013 15:18:34	03/12/2013 15:18:44	No data
	✗	03/12/2013 15:18:44	03/12/2013 15:19:04	Tracked / Rejected
	✗	03/12/2013 15:19:04	03/12/2013 15:19:09	No data
	✗	03/12/2013 15:19:09	03/12/2013 15:19:34	Tracked / Rejected
	✗	03/12/2013 15:19:34	03/12/2013 15:22:09	No data
	✗	03/12/2013 15:22:09	03/12/2013 15:23:14	Tracked / Rejected
	✓	03/12/2013 15:23:14	03/12/2013 15:30:59	Tracked / Used
	✗	03/12/2013 15:30:59	03/12/2013 15:31:14	Tracked / Rejected
	✓	03/12/2013 15:31:14	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:59	Tracked / Rejected
	✓	03/12/2013 15:59:59	03/12/2013 16:53:54	Tracked / Used
G31	✓	03/12/2013 14:09:29	03/12/2013 16:24:44	Tracked / Used
	✗	03/12/2013 16:24:44	03/12/2013 16:24:49	No data
	✓	03/12/2013 16:24:49	03/12/2013 16:53:54	Tracked / Used
G32	✗	03/12/2013 14:09:29	03/12/2013 14:24:29	No data
	✓	03/12/2013 14:24:29	03/12/2013 16:53:54	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 112
 Number of fixed GPS ambiguities: 70
 Number of independent fixes: 443
 Avg. time between independent fixes: 5"

 Percentage of fixed epochs (L1): 98%
 Percentage of fixed epochs (L2): 98%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Not fixed	03/12/2013 14:09:29	03/12/2013 14:09:34	5"
Fixed	03/12/2013 14:09:34	03/12/2013 16:53:54	2h 44' 20"

Cycle Slip Statistics

Total number of cycle slips: 9

Time	Satellite	Frequency	Slip value	Flags
03/12/2013 14:37:24	G30	L1	-	ria
03/12/2013 14:41:54	G18	L1	-	flagged
03/12/2013 14:41:54	G18	L2	-	flagged
03/12/2013 14:42:09	G18	L1	-	ria
03/12/2013 14:42:09	G18	L2	-	ria
03/12/2013 14:51:24	G30	L1	-	flagged
03/12/2013 15:09:44	G22	L2	-	flagged
03/12/2013 15:30:59	G30	L1	-	flagged
03/12/2013 16:47:29	G14	L1	-	flagged

Final Coordinates

	Reference:G358	Rover:123	
Coordinates:			
Latitude:	29° 27' 38.86109" N	29° 33' 10.60236" N	
Longitude:	90° 18' 31.16528" W	90° 16' 32.57743" W	
Ellip. Hgt:	-23.95703 m	-24.59733 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00018 m Posn. Qlty: 0.00025 m	Sd. Lon: 0.00017 m Sd. Slope: 0.00018 m	Sd. Hgt: 0.00042 m
M0:	0.98972 m		
Cofactor matrix Qxx:	0.00000003	0.00000001 0.00000003	0.00000001 -0.00000000 0.00000018
Baseline vector:	dLat: 0° 05' 31.74128" Slope: 10702.00890 m	dLon: 0° 01' 58.58785"	dHgt: -0.64030 m
DOPs (min-max):	GDOP: 1.9 - 5.3 PDOP: 1.7 - 4.3	HDOP: 0.8 - 3.4	VDOP: 1.5 - 3.9
Number of used satellites:	GPS: 13 GLONASS: -		

Results - Baseline

G358 - 124

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:04

Point Information

	Reference: G358	Rover: 124
Receiver type / S/N:	SR530 / 34012	SR530 / 34472
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.36300 m	1.26900 m
Initial coordinates:		
Latitude:	29° 27' 38.86109" N	29° 33' 11.04933" N
Longitude:	90° 18' 31.16528" W	90° 16' 35.51490" W
Ellip. Hgt:	-23.95703 m	-27.69043 m
Time span:	03/12/2013 14:16:39 - 03/12/2013 16:47:14	
Duration:	2h 30' 35"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 38.86109" N
 Longitude: 90° 18' 31.16528" W
 Time (UT): 03/12/2013 18:34:14

Validity: From epoch: 03/12/2013 13:34:14
 To epoch: 03/12/2013 16:59:24

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	3.61108562	0.01253466
	0	1	0.54289006	0.01144192
	0	2	-0.42737507	0.00527010
	1	0	-0.51705222	0.00808210
	1	1	-0.16175842	0.00869131

Antenna Information

	Reference: G358	Rover: 124
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1808

GPS:

Number of used observations (L1): 13255
 Number of rejected observations (L1): 145
 Number of used observations (L2): 12562
 Number of rejected observations (L2): 829

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✓	03/12/2013 14:16:39	03/12/2013 16:16:54	Tracked / Used
	✗	03/12/2013 16:16:54	03/12/2013 16:16:59	Tracked / Rejected
	✗	03/12/2013 16:16:59	03/12/2013 16:47:14	No data
G11	✓	03/12/2013 14:16:39	03/12/2013 15:02:59	Tracked / Used
	✗	03/12/2013 15:02:59	03/12/2013 15:03:04	Tracked / Rejected
	✗	03/12/2013 15:03:04	03/12/2013 16:47:14	No data
G14	✓	03/12/2013 14:16:39	03/12/2013 15:57:59	Tracked / Used
	✗	03/12/2013 15:57:59	03/12/2013 15:58:14	No data
	✓	03/12/2013 15:58:14	03/12/2013 16:09:19	Tracked / Used
	✗	03/12/2013 16:09:19	03/12/2013 16:09:24	No data
	✗	03/12/2013 16:09:24	03/12/2013 16:09:29	Tracked / Rejected
	✗	03/12/2013 16:09:29	03/12/2013 16:27:24	No data
	✓	03/12/2013 16:27:24	03/12/2013 16:28:44	Tracked / Used
	✗	03/12/2013 16:28:44	03/12/2013 16:36:39	No data
	✓	03/12/2013 16:36:39	03/12/2013 16:43:54	Tracked / Used
	✗	03/12/2013 16:43:54	03/12/2013 16:43:59	No data
	✗	03/12/2013 16:43:59	03/12/2013 16:46:09	Tracked / Rejected
	✗	03/12/2013 16:46:09	03/12/2013 16:46:19	No data
	✗	03/12/2013 16:46:19	03/12/2013 16:46:29	Tracked / Rejected
	✗	03/12/2013 16:46:29	03/12/2013 16:46:39	No data
	✗	03/12/2013 16:46:39	03/12/2013 16:47:14	Tracked / Rejected
G16	✗	03/12/2013 14:16:39	03/12/2013 15:28:24	No data
	✓	03/12/2013 15:28:24	03/12/2013 15:37:59	Tracked / Used
	✗	03/12/2013 15:37:59	03/12/2013 15:38:29	No data
	✓	03/12/2013 15:38:29	03/12/2013 16:37:04	Tracked / Used
	✗	03/12/2013 16:37:04	03/12/2013 16:37:14	No data
G18	✓	03/12/2013 16:37:14	03/12/2013 16:47:14	Tracked / Used
	✓	03/12/2013 14:16:39	03/12/2013 14:34:54	Tracked / Used
	✗	03/12/2013 14:34:54	03/12/2013 14:34:59	No data
	✓	03/12/2013 14:34:59	03/12/2013 14:51:29	Tracked / Used
	✗	03/12/2013 14:51:29	03/12/2013 14:51:34	Tracked / Rejected
G20	✗	03/12/2013 14:51:34	03/12/2013 16:47:14	No data
	✗	03/12/2013 14:16:39	03/12/2013 15:19:24	No data
G22	✓	03/12/2013 15:19:24	03/12/2013 16:47:14	Tracked / Used
	✓	03/12/2013 14:16:39	03/12/2013 15:11:59	Tracked / Used
	✗	03/12/2013 15:11:59	03/12/2013 15:13:09	No data
	✓	03/12/2013 15:13:09	03/12/2013 15:16:44	Tracked / Used
	✗	03/12/2013 15:16:44	03/12/2013 15:16:54	No data
	✗	03/12/2013 15:16:54	03/12/2013 15:20:19	Tracked / Rejected
	✗	03/12/2013 15:20:19	03/12/2013 15:20:29	No data
	✓	03/12/2013 15:20:29	03/12/2013 15:23:44	Tracked / Used
	✗	03/12/2013 15:23:44	03/12/2013 15:23:49	No data
	✓	03/12/2013 15:23:49	03/12/2013 15:31:24	Tracked / Used

	✗	03/12/2013 15:31:24	03/12/2013 15:35:44	No data
	✓	03/12/2013 15:35:44	03/12/2013 15:38:59	Tracked / Used
	✗	03/12/2013 15:38:59	03/12/2013 15:42:49	No data
	✓	03/12/2013 15:42:49	03/12/2013 15:46:39	Tracked / Used
	✗	03/12/2013 15:46:39	03/12/2013 15:49:24	No data
	✓	03/12/2013 15:49:24	03/12/2013 15:54:19	Tracked / Used
	✗	03/12/2013 15:54:19	03/12/2013 15:55:24	No data
	✓	03/12/2013 15:55:24	03/12/2013 15:59:19	Tracked / Used
	✗	03/12/2013 15:59:19	03/12/2013 15:59:29	No data
	✗	03/12/2013 15:59:29	03/12/2013 15:59:34	Tracked / Rejected
	✗	03/12/2013 15:59:34	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:54	Tracked / Rejected
	✗	03/12/2013 15:59:54	03/12/2013 16:00:09	No data
	✗	03/12/2013 16:00:09	03/12/2013 16:00:39	Tracked / Rejected
	✗	03/12/2013 16:00:39	03/12/2013 16:02:59	No data
	✗	03/12/2013 16:02:59	03/12/2013 16:03:39	Tracked / Rejected
	✗	03/12/2013 16:03:39	03/12/2013 16:04:39	No data
	✗	03/12/2013 16:04:39	03/12/2013 16:05:04	Tracked / Rejected
	✗	03/12/2013 16:05:04	03/12/2013 16:47:14	No data
G23	✗	03/12/2013 14:16:39	03/12/2013 16:30:29	No data
	✓	03/12/2013 16:30:29	03/12/2013 16:47:14	Tracked / Used
G25	✓	03/12/2013 14:16:39	03/12/2013 15:52:59	Tracked / Used
	✗	03/12/2013 15:52:59	03/12/2013 15:53:04	Tracked / Rejected
	✗	03/12/2013 15:53:04	03/12/2013 16:47:14	No data
G30	✗	03/12/2013 14:16:39	03/12/2013 14:27:29	No data
	✗	03/12/2013 14:27:29	03/12/2013 14:27:39	Tracked / Rejected
	✗	03/12/2013 14:27:39	03/12/2013 14:27:49	No data
	✓	03/12/2013 14:27:49	03/12/2013 14:31:34	Tracked / Used
	✗	03/12/2013 14:31:34	03/12/2013 14:31:44	No data
	✓	03/12/2013 14:31:44	03/12/2013 14:35:14	Tracked / Used
	✗	03/12/2013 14:35:14	03/12/2013 14:37:14	No data
	✗	03/12/2013 14:37:14	03/12/2013 14:37:29	Tracked / Rejected
	✗	03/12/2013 14:37:29	03/12/2013 14:37:39	No data
	✗	03/12/2013 14:37:39	03/12/2013 14:37:54	Tracked / Rejected
	✗	03/12/2013 14:37:54	03/12/2013 14:37:59	No data
	✓	03/12/2013 14:37:59	03/12/2013 14:42:09	Tracked / Used
	✗	03/12/2013 14:42:09	03/12/2013 14:42:14	No data
	✗	03/12/2013 14:42:14	03/12/2013 14:43:19	Tracked / Rejected
	✗	03/12/2013 14:43:19	03/12/2013 14:43:49	No data
	✓	03/12/2013 14:43:49	03/12/2013 14:46:19	Tracked / Used
	✗	03/12/2013 14:46:19	03/12/2013 14:47:09	No data
	✓	03/12/2013 14:47:09	03/12/2013 14:51:24	Tracked / Used
	✗	03/12/2013 14:51:24	03/12/2013 14:51:29	Tracked / Rejected
	✗	03/12/2013 14:51:29	03/12/2013 14:53:54	No data
	✗	03/12/2013 14:53:54	03/12/2013 14:54:19	Tracked / Rejected
	✗	03/12/2013 14:54:19	03/12/2013 14:54:24	No data
	✓	03/12/2013 14:54:24	03/12/2013 14:55:49	Tracked / Used
	✗	03/12/2013 14:55:49	03/12/2013 14:55:54	No data
	✓	03/12/2013 14:55:54	03/12/2013 15:01:54	Tracked / Used
	✗	03/12/2013 15:01:54	03/12/2013 15:01:59	No data

	✗	03/12/2013 15:01:59	03/12/2013 15:02:19	Tracked / Rejected
	✗	03/12/2013 15:02:19	03/12/2013 15:06:54	No data
	✓	03/12/2013 15:06:54	03/12/2013 15:08:59	Tracked / Used
	✗	03/12/2013 15:08:59	03/12/2013 15:09:14	No data
	✗	03/12/2013 15:09:14	03/12/2013 15:09:19	Tracked / Rejected
	✗	03/12/2013 15:09:19	03/12/2013 15:14:14	No data
	✓	03/12/2013 15:14:14	03/12/2013 15:18:34	Tracked / Used
	✗	03/12/2013 15:18:34	03/12/2013 15:18:44	No data
	✗	03/12/2013 15:18:44	03/12/2013 15:19:04	Tracked / Rejected
	✗	03/12/2013 15:19:04	03/12/2013 15:19:09	No data
	✗	03/12/2013 15:19:09	03/12/2013 15:19:34	Tracked / Rejected
	✗	03/12/2013 15:19:34	03/12/2013 15:22:09	No data
	✓	03/12/2013 15:22:09	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 15:59:44	No data
	✓	03/12/2013 15:59:44	03/12/2013 16:47:14	Tracked / Used
G31	✓	03/12/2013 14:16:39	03/12/2013 16:47:14	Tracked / Used
G32	✓	03/12/2013 14:16:39	03/12/2013 16:47:14	Tracked / Used

Tracking Status GPS L2:

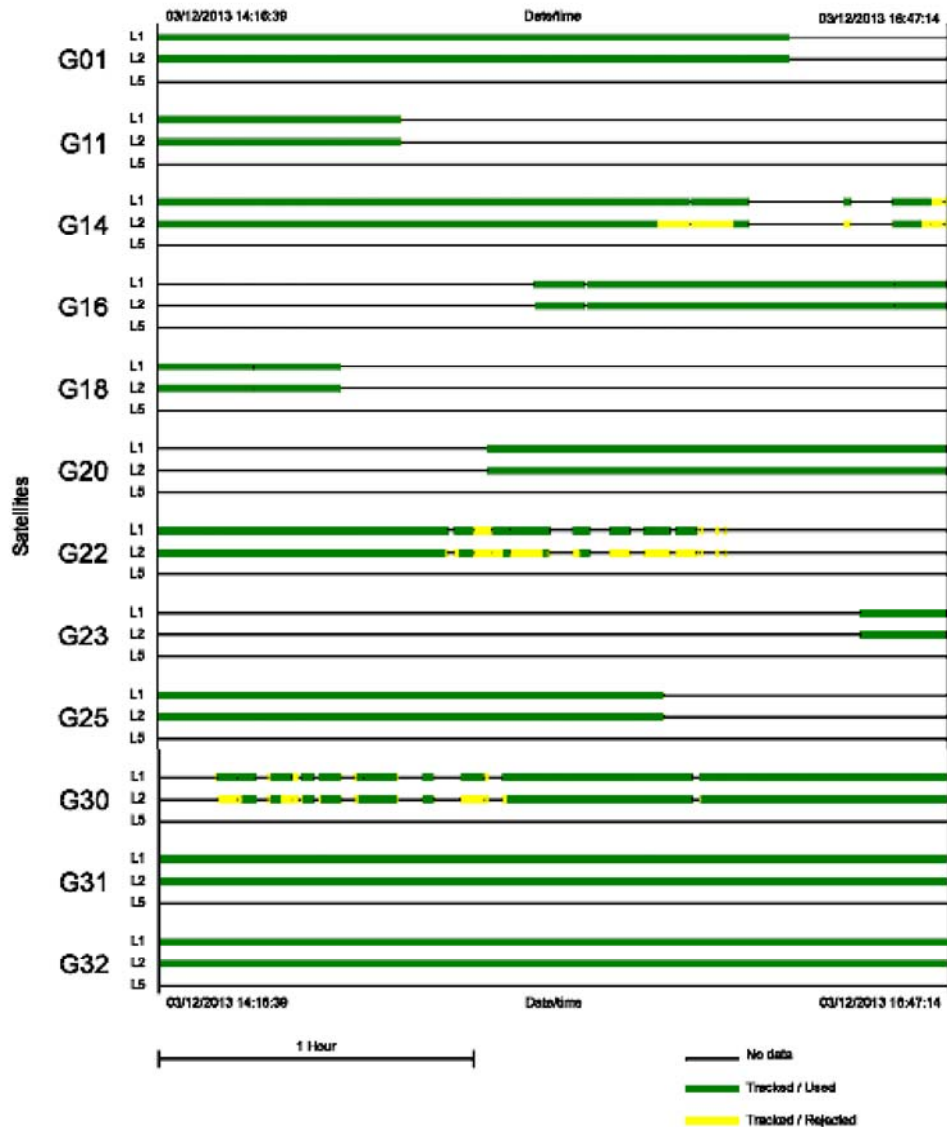
Satellite		From	To	Status
G01	✓	03/12/2013 14:16:39	03/12/2013 16:16:54	Tracked / Used
	✗	03/12/2013 16:16:54	03/12/2013 16:16:59	Tracked / Rejected
	✗	03/12/2013 16:16:59	03/12/2013 16:47:14	No data
G11	✓	03/12/2013 14:16:39	03/12/2013 15:02:59	Tracked / Used
	✗	03/12/2013 15:02:59	03/12/2013 15:03:04	Tracked / Rejected
	✗	03/12/2013 15:03:04	03/12/2013 16:47:14	No data
G14	✓	03/12/2013 14:16:39	03/12/2013 15:51:54	Tracked / Used
	✗	03/12/2013 15:51:54	03/12/2013 15:57:59	Tracked / Rejected
	✗	03/12/2013 15:57:59	03/12/2013 15:58:14	No data
	✗	03/12/2013 15:58:14	03/12/2013 16:06:29	Tracked / Rejected
	✓	03/12/2013 16:06:29	03/12/2013 16:09:19	Tracked / Used
	✗	03/12/2013 16:09:19	03/12/2013 16:09:24	No data
	✗	03/12/2013 16:09:24	03/12/2013 16:09:29	Tracked / Rejected
	✗	03/12/2013 16:09:29	03/12/2013 16:27:24	No data
	✗	03/12/2013 16:27:24	03/12/2013 16:28:44	Tracked / Rejected
	✗	03/12/2013 16:28:44	03/12/2013 16:36:39	No data
	✗	03/12/2013 16:36:39	03/12/2013 16:36:44	Tracked / Rejected
	✓	03/12/2013 16:36:44	03/12/2013 16:42:09	Tracked / Used
	✗	03/12/2013 16:42:09	03/12/2013 16:43:54	Tracked / Rejected
	✗	03/12/2013 16:43:54	03/12/2013 16:43:59	No data
	✗	03/12/2013 16:43:59	03/12/2013 16:46:09	Tracked / Rejected
	✗	03/12/2013 16:46:09	03/12/2013 16:46:19	No data
	✗	03/12/2013 16:46:19	03/12/2013 16:46:29	Tracked / Rejected
	✗	03/12/2013 16:46:29	03/12/2013 16:46:39	No data
	✗	03/12/2013 16:46:39	03/12/2013 16:47:14	Tracked / Rejected
G16	✗	03/12/2013 14:16:39	03/12/2013 15:28:34	No data
	✓	03/12/2013 15:28:34	03/12/2013 15:37:59	Tracked / Used
	✗	03/12/2013 15:37:59	03/12/2013 15:38:29	No data
	✗	03/12/2013 15:38:29	03/12/2013 15:38:39	Tracked / Rejected
	✓	03/12/2013 15:38:39	03/12/2013 16:37:04	Tracked / Used
		03/12/2013 16:37:04	03/12/2013 16:37:14	No data

	✗			
	✗	03/12/2013 16:37:14	03/12/2013 16:37:24	Tracked / Rejected
	✓	03/12/2013 16:37:24	03/12/2013 16:47:14	Tracked / Used
G18	✓	03/12/2013 14:16:39	03/12/2013 14:34:54	Tracked / Used
	✗	03/12/2013 14:34:54	03/12/2013 14:34:59	No data
	✗	03/12/2013 14:34:59	03/12/2013 14:35:09	Tracked / Rejected
	✓	03/12/2013 14:35:09	03/12/2013 14:51:29	Tracked / Used
	✗	03/12/2013 14:51:29	03/12/2013 14:51:34	Tracked / Rejected
	✗	03/12/2013 14:51:34	03/12/2013 16:47:14	No data
G20	✗	03/12/2013 14:16:39	03/12/2013 15:19:34	No data
	✓	03/12/2013 15:19:34	03/12/2013 16:47:14	Tracked / Used
G22	✓	03/12/2013 14:16:39	03/12/2013 15:11:29	Tracked / Used
	✗	03/12/2013 15:11:29	03/12/2013 15:11:59	Tracked / Rejected
	✗	03/12/2013 15:11:59	03/12/2013 15:13:09	No data
	✗	03/12/2013 15:13:09	03/12/2013 15:14:14	Tracked / Rejected
	✓	03/12/2013 15:14:14	03/12/2013 15:16:44	Tracked / Used
	✗	03/12/2013 15:16:44	03/12/2013 15:16:54	No data
	✗	03/12/2013 15:16:54	03/12/2013 15:20:19	Tracked / Rejected
	✗	03/12/2013 15:20:19	03/12/2013 15:20:29	No data
	✗	03/12/2013 15:20:29	03/12/2013 15:22:39	Tracked / Rejected
	✓	03/12/2013 15:22:39	03/12/2013 15:23:44	Tracked / Used
	✗	03/12/2013 15:23:44	03/12/2013 15:23:49	No data
	✗	03/12/2013 15:23:49	03/12/2013 15:30:04	Tracked / Rejected
	✓	03/12/2013 15:30:04	03/12/2013 15:30:14	Tracked / Used
	✗	03/12/2013 15:30:14	03/12/2013 15:30:19	Tracked / Rejected
	✓	03/12/2013 15:30:19	03/12/2013 15:30:29	Tracked / Used
	✗	03/12/2013 15:30:29	03/12/2013 15:30:34	Tracked / Rejected
	✓	03/12/2013 15:30:34	03/12/2013 15:30:49	Tracked / Used
	✗	03/12/2013 15:30:49	03/12/2013 15:30:54	Tracked / Rejected
	✓	03/12/2013 15:30:54	03/12/2013 15:31:04	Tracked / Used
	✗	03/12/2013 15:31:04	03/12/2013 15:31:24	Tracked / Rejected
	✗	03/12/2013 15:31:24	03/12/2013 15:35:44	No data
	✗	03/12/2013 15:35:44	03/12/2013 15:37:14	Tracked / Rejected
	✓	03/12/2013 15:37:14	03/12/2013 15:38:59	Tracked / Used
	✗	03/12/2013 15:38:59	03/12/2013 15:42:49	No data
	✗	03/12/2013 15:42:49	03/12/2013 15:46:39	Tracked / Rejected
	✗	03/12/2013 15:46:39	03/12/2013 15:49:24	No data
	✗	03/12/2013 15:49:24	03/12/2013 15:54:19	Tracked / Rejected
	✗	03/12/2013 15:54:19	03/12/2013 15:55:24	No data
	✗	03/12/2013 15:55:24	03/12/2013 15:59:19	Tracked / Rejected
	✗	03/12/2013 15:59:19	03/12/2013 15:59:29	No data
	✗	03/12/2013 15:59:29	03/12/2013 15:59:34	Tracked / Rejected
	✗	03/12/2013 15:59:34	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:54	Tracked / Rejected
	✗	03/12/2013 15:59:54	03/12/2013 16:00:09	No data
	✗	03/12/2013 16:00:09	03/12/2013 16:00:39	Tracked / Rejected
	✗	03/12/2013 16:00:39	03/12/2013 16:02:59	No data
	✗	03/12/2013 16:02:59	03/12/2013 16:03:39	Tracked / Rejected
	✗	03/12/2013 16:03:39	03/12/2013 16:04:39	No data
	✗	03/12/2013 16:04:39	03/12/2013 16:05:04	Tracked / Rejected

G23	✗	03/12/2013 16:05:04	03/12/2013 16:47:14	No data
	✗	03/12/2013 14:16:39	03/12/2013 16:30:34	No data
G25	✓	03/12/2013 16:30:34	03/12/2013 16:47:14	Tracked / Used
	✓	03/12/2013 14:16:39	03/12/2013 15:52:59	Tracked / Used
G30	✗	03/12/2013 15:52:59	03/12/2013 15:53:04	Tracked / Rejected
	✗	03/12/2013 15:53:04	03/12/2013 16:47:14	No data
	✗	03/12/2013 14:16:39	03/12/2013 14:27:59	No data
	✗	03/12/2013 14:27:59	03/12/2013 14:31:34	Tracked / Rejected
	✗	03/12/2013 14:31:34	03/12/2013 14:31:44	No data
	✗	03/12/2013 14:31:44	03/12/2013 14:32:34	Tracked / Rejected
	✓	03/12/2013 14:32:34	03/12/2013 14:35:09	Tracked / Used
	✗	03/12/2013 14:35:09	03/12/2013 14:35:14	Tracked / Rejected
	✗	03/12/2013 14:35:14	03/12/2013 14:37:14	No data
	✗	03/12/2013 14:37:14	03/12/2013 14:37:29	Tracked / Rejected
	✗	03/12/2013 14:37:29	03/12/2013 14:37:39	No data
	✗	03/12/2013 14:37:39	03/12/2013 14:37:54	Tracked / Rejected
	✗	03/12/2013 14:37:54	03/12/2013 14:37:59	No data
	✗	03/12/2013 14:37:59	03/12/2013 14:38:09	Tracked / Rejected
	✓	03/12/2013 14:38:09	03/12/2013 14:39:59	Tracked / Used
	✗	03/12/2013 14:39:59	03/12/2013 14:42:09	Tracked / Rejected
	✗	03/12/2013 14:42:09	03/12/2013 14:42:14	No data
	✗	03/12/2013 14:42:14	03/12/2013 14:43:19	Tracked / Rejected
	✗	03/12/2013 14:43:19	03/12/2013 14:43:49	No data
	✗	03/12/2013 14:43:49	03/12/2013 14:44:19	Tracked / Rejected
	✓	03/12/2013 14:44:19	03/12/2013 14:46:19	Tracked / Used
	✗	03/12/2013 14:46:19	03/12/2013 14:47:09	No data
	✗	03/12/2013 14:47:09	03/12/2013 14:47:34	Tracked / Rejected
	✓	03/12/2013 14:47:34	03/12/2013 14:51:24	Tracked / Used
	✗	03/12/2013 14:51:24	03/12/2013 14:51:29	Tracked / Rejected
	✗	03/12/2013 14:51:29	03/12/2013 14:53:54	No data
	✗	03/12/2013 14:53:54	03/12/2013 14:54:19	Tracked / Rejected
	✗	03/12/2013 14:54:19	03/12/2013 14:54:24	No data
	✗	03/12/2013 14:54:24	03/12/2013 14:54:44	Tracked / Rejected
	✓	03/12/2013 14:54:44	03/12/2013 14:55:49	Tracked / Used
	✗	03/12/2013 14:55:49	03/12/2013 14:55:54	No data
	✗	03/12/2013 14:55:54	03/12/2013 14:56:04	Tracked / Rejected
	✓	03/12/2013 14:56:04	03/12/2013 15:01:54	Tracked / Used
	✗	03/12/2013 15:01:54	03/12/2013 15:01:59	No data
	✗	03/12/2013 15:01:59	03/12/2013 15:02:19	Tracked / Rejected
	✗	03/12/2013 15:02:19	03/12/2013 15:06:54	No data
	✗	03/12/2013 15:06:54	03/12/2013 15:07:09	Tracked / Rejected
	✓	03/12/2013 15:07:09	03/12/2013 15:08:59	Tracked / Used
	✗	03/12/2013 15:08:59	03/12/2013 15:09:14	No data
	✗	03/12/2013 15:09:14	03/12/2013 15:09:19	Tracked / Rejected
	✗	03/12/2013 15:09:19	03/12/2013 15:14:14	No data
	✗	03/12/2013 15:14:14	03/12/2013 15:18:34	Tracked / Rejected
	✗	03/12/2013 15:18:34	03/12/2013 15:18:44	No data
	✗	03/12/2013 15:18:44	03/12/2013 15:19:04	Tracked / Rejected
	✗	03/12/2013 15:19:04	03/12/2013 15:19:09	No data
	✗	03/12/2013 15:19:09	03/12/2013 15:19:34	Tracked / Rejected

	✗	03/12/2013 15:19:34	03/12/2013 15:22:09	No data
	✗	03/12/2013 15:22:09	03/12/2013 15:23:14	Tracked / Rejected
	✓	03/12/2013 15:23:14	03/12/2013 15:30:59	Tracked / Used
	✗	03/12/2013 15:30:59	03/12/2013 15:31:14	Tracked / Rejected
	✓	03/12/2013 15:31:14	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:59	Tracked / Rejected
	✓	03/12/2013 15:59:59	03/12/2013 16:47:14	Tracked / Used
G31	✓	03/12/2013 14:16:39	03/12/2013 16:47:14	Tracked / Used
G32	✓	03/12/2013 14:16:39	03/12/2013 16:47:14	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 103

Number of fixed GPS ambiguities: 67
 Number of independent fixes: 557
 Avg. time between independent fixes: 5"

Percentage of fixed epochs (L1): 99%
 Percentage of fixed epochs (L2): 98%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/12/2013 14:16:39	03/12/2013 16:47:14	2h 30' 35"

Cycle Slip Statistics

Total number of cycle slips: 8

Time	Satellite	Frequency	Slip value	Flags
03/12/2013 14:37:24	G30	L1	-	ria
03/12/2013 14:41:54	G18	L1	-	ria
03/12/2013 14:41:54	G18	L2	-	ria
03/12/2013 14:51:24	G30	L1	-	ria
03/12/2013 15:04:49	G22	L2	-	flagged
03/12/2013 15:04:54	G22	L2	-	flagged
03/12/2013 15:05:04	G22	L2	-	flagged
03/12/2013 15:30:59	G30	L1	-	flagged

Final Coordinates

	Reference:G358	Rover:124	
Coordinates:			
Latitude:	29° 27' 38.86109" N	29° 33' 10.94056" N	
Longitude:	90° 18' 31.16528" W	90° 16' 35.48397" W	
Ellip. Hgt:	-23.95703 m	-24.25035 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00017 m Posn. Qlty: 0.00024 m	Sd. Lon: 0.00017 m Sd. Slope: 0.00017 m	Sd. Hgt: 0.00041 m
M0:	0.91998 m		
Cofactor matrix Qxx:	0.00000003	0.00000001 0.00000003	0.00000000 -0.00000000 0.00000019
Baseline vector:	dLat: 0° 05' 32.07947" Slope: 10688.86777 m	dLon: 0° 01' 55.68131"	dHgt: -0.29332 m
DOPs (min-max):	GDOP: 1.9 - 5.4 PDOP: 1.7 - 4.3	HDOP: 0.8 - 3.4	VDOP: 1.5 - 3.9
Number of used satellites:	GPS: 12		

GLONASS: -

Results - Baseline

G358 - 500

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:51

Point Information

	Reference: G358	Rover: 500
Receiver type / S/N:	SR530 / 34012	GRX1200GGPRO / 353211
Antenna type / S/N:	AT502 Tripod / -	AX1202 GG Tripod / -
Antenna height:	1.36300 m	1.27000 m
Initial coordinates:		
Latitude:	29° 27' 38.86109" N	29° 17' 49.22334" N
Longitude:	90° 18' 31.16528" W	90° 14' 01.80594" W
Ellip. Hgt:	-23.95703 m	-27.24588 m
Time span:	03/12/2013 13:34:14 - 03/12/2013 16:09:54	
Duration:	2h 35' 40"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 38.86109" N
 Longitude: 90° 18' 31.16528" W
 Time (UT): 03/12/2013 18:34:14

Validity: From epoch: 03/12/2013 13:34:14
 To epoch: 03/12/2013 16:59:24

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	3.61108562	0.01253466
	0	1	0.54289006	0.01144192
	0	2	-0.42737507	0.00527010
	1	0	-0.51705222	0.00808210
	1	1	-0.16175842	0.00869131

Antenna Information

	Reference: G358	Rover: 500
Antenna type:	AT502 Tripod	AX1202 GG Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06440 m	0.06400 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.3	1.2	2.6	4.4	6.4	8.5	10.4	12.1	13.4	14.3	14.8	15.1	15.1	14.6	13.6	11.9	9.2	5.9
0° L2	0.0	0.1	0.6	1.2	2.1	3.0	4.0	5.1	6.1	6.9	7.4	7.6	7.4	6.8	6.1	5.1	3.8	1.9	-0.8

Observation Statistics

Number of common epochs: 1869

GPS:

Number of used observations (L1): 12376
 Number of rejected observations (L1): 1799
 Number of used observations (L2): 12376
 Number of rejected observations (L2): 1797

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✗	03/12/2013 13:34:14	03/12/2013 14:04:34	No data
	✓	03/12/2013 14:04:34	03/12/2013 15:20:24	Tracked / Used
	✗	03/12/2013 15:20:24	03/12/2013 15:20:29	No data
	✗	03/12/2013 15:20:29	03/12/2013 15:25:04	Tracked / Rejected
	✗	03/12/2013 15:25:04	03/12/2013 15:25:09	No data
	✓	03/12/2013 15:25:09	03/12/2013 15:26:54	Tracked / Used
	✗	03/12/2013 15:26:54	03/12/2013 15:26:59	No data
	✓	03/12/2013 15:26:59	03/12/2013 15:31:04	Tracked / Used
	✗	03/12/2013 15:31:04	03/12/2013 15:40:24	Tracked / Rejected
	✗	03/12/2013 15:40:24	03/12/2013 15:40:29	No data
	✗	03/12/2013 15:40:29	03/12/2013 15:40:54	Tracked / Rejected
	✗	03/12/2013 15:40:54	03/12/2013 15:40:59	No data
	✓	03/12/2013 15:40:59	03/12/2013 15:43:09	Tracked / Used
	✗	03/12/2013 15:43:09	03/12/2013 15:43:14	No data
	✗	03/12/2013 15:43:14	03/12/2013 15:45:29	Tracked / Rejected
	✗	03/12/2013 15:45:29	03/12/2013 15:45:34	No data
	✗	03/12/2013 15:45:34	03/12/2013 15:51:19	Tracked / Rejected
	✗	03/12/2013 15:51:19	03/12/2013 15:51:29	No data
	✗	03/12/2013 15:51:29	03/12/2013 15:52:19	Tracked / Rejected
	✗	03/12/2013 15:52:19	03/12/2013 15:52:24	No data
	✗	03/12/2013 15:52:24	03/12/2013 15:54:59	Tracked / Rejected
	✗	03/12/2013 15:54:59	03/12/2013 15:55:04	No data
	✗	03/12/2013 15:55:04	03/12/2013 15:59:54	Tracked / Rejected
	✗	03/12/2013 15:59:54	03/12/2013 15:59:59	No data
	✗	03/12/2013 15:59:59	03/12/2013 16:00:14	Tracked / Rejected
	✗	03/12/2013 16:00:14	03/12/2013 16:00:19	No data
	✗	03/12/2013 16:00:19	03/12/2013 16:01:59	Tracked / Rejected
	✗	03/12/2013 16:01:59	03/12/2013 16:02:04	No data
	✗	03/12/2013 16:02:04	03/12/2013 16:06:59	Tracked / Rejected
	✗	03/12/2013 16:06:59	03/12/2013 16:08:14	No data
	✗	03/12/2013 16:08:14	03/12/2013 16:09:49	Tracked / Rejected
	✗	03/12/2013 16:09:49	03/12/2013 16:09:54	No data
✗	03/12/2013 16:09:54	03/12/2013 16:09:54	Tracked / Rejected	
G11	✗	03/12/2013 13:34:14	03/12/2013 13:36:49	No data
	✗	03/12/2013 13:36:49	03/12/2013 13:42:14	Tracked / Rejected
	✗	03/12/2013 13:42:14	03/12/2013 13:42:19	No data
	✗	03/12/2013 13:42:19	03/12/2013 13:44:49	Tracked / Rejected
	✗	03/12/2013 13:44:49	03/12/2013 13:44:54	No data
	✓	03/12/2013 13:44:54	03/12/2013 13:54:24	Tracked / Used
	✗	03/12/2013 13:54:24	03/12/2013 13:54:29	No data
	✓	03/12/2013 13:54:29	03/12/2013 13:56:14	Tracked / Used
✗	03/12/2013 13:56:14	03/12/2013 13:56:19	No data	
✓	03/12/2013 13:56:19	03/12/2013 14:15:19	Tracked / Used	

	✗	03/12/2013 14:15:19	03/12/2013 14:15:24	No data
	✗	03/12/2013 14:15:24	03/12/2013 14:17:49	Tracked / Rejected
	✗	03/12/2013 14:17:49	03/12/2013 14:17:54	No data
	✓	03/12/2013 14:17:54	03/12/2013 14:27:34	Tracked / Used
	✗	03/12/2013 14:27:34	03/12/2013 14:30:14	Tracked / Rejected
	✗	03/12/2013 14:30:14	03/12/2013 14:30:19	No data
	✓	03/12/2013 14:30:19	03/12/2013 14:31:39	Tracked / Used
	✗	03/12/2013 14:31:39	03/12/2013 14:43:14	Tracked / Rejected
	✗	03/12/2013 14:43:14	03/12/2013 14:43:19	No data
	✓	03/12/2013 14:43:19	03/12/2013 14:49:39	Tracked / Used
	✗	03/12/2013 14:49:39	03/12/2013 14:49:44	Tracked / Rejected
	✗	03/12/2013 14:49:44	03/12/2013 14:49:49	No data
	✗	03/12/2013 14:49:49	03/12/2013 14:53:14	Tracked / Rejected
	✗	03/12/2013 14:53:14	03/12/2013 14:53:19	No data
	✗	03/12/2013 14:53:19	03/12/2013 14:54:04	Tracked / Rejected
	✗	03/12/2013 14:54:04	03/12/2013 14:54:09	No data
	✗	03/12/2013 14:54:09	03/12/2013 15:02:54	Tracked / Rejected
	✗	03/12/2013 15:02:54	03/12/2013 16:09:54	No data
G12	✓	03/12/2013 13:34:14	03/12/2013 13:41:24	Tracked / Used
	✗	03/12/2013 13:41:24	03/12/2013 13:41:29	No data
	✗	03/12/2013 13:41:29	03/12/2013 13:41:39	Tracked / Rejected
	✗	03/12/2013 13:41:39	03/12/2013 13:41:49	No data
	✗	03/12/2013 13:41:49	03/12/2013 13:41:59	Tracked / Rejected
	✓	03/12/2013 13:41:59	03/12/2013 14:12:44	Tracked / Used
	✗	03/12/2013 14:12:44	03/12/2013 14:12:49	Tracked / Rejected
	✗	03/12/2013 14:12:49	03/12/2013 16:09:54	No data
G14	✓	03/12/2013 13:34:14	03/12/2013 15:51:54	Tracked / Used
	✗	03/12/2013 15:51:54	03/12/2013 15:57:59	Tracked / Rejected
	✗	03/12/2013 15:57:59	03/12/2013 15:58:14	No data
	✗	03/12/2013 15:58:14	03/12/2013 15:58:49	Tracked / Rejected
	✓	03/12/2013 15:58:49	03/12/2013 16:00:29	Tracked / Used
	✗	03/12/2013 16:00:29	03/12/2013 16:01:39	Tracked / Rejected
	✓	03/12/2013 16:01:39	03/12/2013 16:04:29	Tracked / Used
	✗	03/12/2013 16:04:29	03/12/2013 16:09:19	Tracked / Rejected
	✗	03/12/2013 16:09:19	03/12/2013 16:09:24	No data
	✗	03/12/2013 16:09:24	03/12/2013 16:09:29	Tracked / Rejected
	✗	03/12/2013 16:09:29	03/12/2013 16:09:54	No data
G16	✗	03/12/2013 13:34:14	03/12/2013 15:19:39	No data
	✗	03/12/2013 15:19:39	03/12/2013 15:19:44	Tracked / Rejected
	✗	03/12/2013 15:19:44	03/12/2013 15:27:04	No data
	✓	03/12/2013 15:27:04	03/12/2013 15:37:59	Tracked / Used
	✗	03/12/2013 15:37:59	03/12/2013 15:38:29	No data
	✗	03/12/2013 15:38:29	03/12/2013 15:38:39	Tracked / Rejected
	✓	03/12/2013 15:38:39	03/12/2013 16:09:54	Tracked / Used
G18	✓	03/12/2013 13:34:14	03/12/2013 13:58:59	Tracked / Used
	✗	03/12/2013 13:58:59	03/12/2013 13:59:09	No data
	✗	03/12/2013 13:59:09	03/12/2013 14:00:19	Tracked / Rejected
	✗	03/12/2013 14:00:19	03/12/2013 14:00:29	No data
	✗	03/12/2013 14:00:29	03/12/2013 14:00:44	Tracked / Rejected
	✓	03/12/2013 14:00:44	03/12/2013 14:34:54	Tracked / Used

	✗	03/12/2013 14:34:54	03/12/2013 14:34:59	No data
	✗	03/12/2013 14:34:59	03/12/2013 14:35:09	Tracked / Rejected
	✓	03/12/2013 14:35:09	03/12/2013 14:41:54	Tracked / Used
	✗	03/12/2013 14:41:54	03/12/2013 14:42:09	Tracked / Rejected
	✓	03/12/2013 14:42:09	03/12/2013 14:52:04	Tracked / Used
	✗	03/12/2013 14:52:04	03/12/2013 14:52:09	Tracked / Rejected
	✗	03/12/2013 14:52:09	03/12/2013 16:09:54	No data
G20	✗	03/12/2013 13:34:14	03/12/2013 15:11:39	No data
	✗	03/12/2013 15:11:39	03/12/2013 15:11:44	Tracked / Rejected
	✗	03/12/2013 15:11:44	03/12/2013 15:19:29	No data
	✓	03/12/2013 15:19:29	03/12/2013 16:09:54	Tracked / Used
G22	✓	03/12/2013 13:34:14	03/12/2013 15:11:29	Tracked / Used
	✗	03/12/2013 15:11:29	03/12/2013 15:11:59	Tracked / Rejected
	✗	03/12/2013 15:11:59	03/12/2013 15:13:09	No data
	✗	03/12/2013 15:13:09	03/12/2013 15:14:14	Tracked / Rejected
	✓	03/12/2013 15:14:14	03/12/2013 15:16:44	Tracked / Used
	✗	03/12/2013 15:16:44	03/12/2013 15:16:54	No data
	✗	03/12/2013 15:16:54	03/12/2013 15:17:04	Tracked / Rejected
	✓	03/12/2013 15:17:04	03/12/2013 15:19:34	Tracked / Used
	✗	03/12/2013 15:19:34	03/12/2013 15:20:19	Tracked / Rejected
	✗	03/12/2013 15:20:19	03/12/2013 15:20:29	No data
	✗	03/12/2013 15:20:29	03/12/2013 15:23:44	Tracked / Rejected
	✗	03/12/2013 15:23:44	03/12/2013 15:23:49	No data
	✗	03/12/2013 15:23:49	03/12/2013 15:24:04	Tracked / Rejected
	✓	03/12/2013 15:24:04	03/12/2013 15:28:59	Tracked / Used
	✗	03/12/2013 15:28:59	03/12/2013 15:31:24	Tracked / Rejected
	✗	03/12/2013 15:31:24	03/12/2013 15:35:44	No data
	✗	03/12/2013 15:35:44	03/12/2013 15:38:59	Tracked / Rejected
	✗	03/12/2013 15:38:59	03/12/2013 15:42:49	No data
	✗	03/12/2013 15:42:49	03/12/2013 15:46:39	Tracked / Rejected
	✗	03/12/2013 15:46:39	03/12/2013 15:49:24	No data
	✗	03/12/2013 15:49:24	03/12/2013 15:54:19	Tracked / Rejected
	✗	03/12/2013 15:54:19	03/12/2013 15:55:24	No data
	✗	03/12/2013 15:55:24	03/12/2013 15:59:19	Tracked / Rejected
	✗	03/12/2013 15:59:19	03/12/2013 15:59:29	No data
	✗	03/12/2013 15:59:29	03/12/2013 15:59:34	Tracked / Rejected
	✗	03/12/2013 15:59:34	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:54	Tracked / Rejected
	✗	03/12/2013 15:59:54	03/12/2013 16:00:09	No data
	✗	03/12/2013 16:00:09	03/12/2013 16:00:39	Tracked / Rejected
	✗	03/12/2013 16:00:39	03/12/2013 16:02:59	No data
	✗	03/12/2013 16:02:59	03/12/2013 16:03:39	Tracked / Rejected
	✗	03/12/2013 16:03:39	03/12/2013 16:04:39	No data
	✗	03/12/2013 16:04:39	03/12/2013 16:05:04	Tracked / Rejected
	✗	03/12/2013 16:05:04	03/12/2013 16:09:54	No data
G25	✗	03/12/2013 13:34:14	03/12/2013 13:37:09	No data
	✗	03/12/2013 13:37:09	03/12/2013 13:37:19	Tracked / Rejected
	✓	03/12/2013 13:37:19	03/12/2013 13:42:44	Tracked / Used
	✗	03/12/2013 13:42:44	03/12/2013 13:46:19	No data
	✗	03/12/2013 13:46:19	03/12/2013 13:46:24	Tracked / Rejected

G30	✓	03/12/2013 13:46:24	03/12/2013 13:52:04	Tracked / Used
	✗	03/12/2013 13:52:04	03/12/2013 13:53:19	No data
	✗	03/12/2013 13:53:19	03/12/2013 13:54:59	Tracked / Rejected
	✗	03/12/2013 13:54:59	03/12/2013 13:55:14	No data
	✗	03/12/2013 13:55:14	03/12/2013 13:55:29	Tracked / Rejected
	✗	03/12/2013 13:55:29	03/12/2013 13:55:39	No data
	✗	03/12/2013 13:55:39	03/12/2013 13:56:44	Tracked / Rejected
	✗	03/12/2013 13:56:44	03/12/2013 13:56:59	No data
	✗	03/12/2013 13:56:59	03/12/2013 13:57:09	Tracked / Rejected
	✗	03/12/2013 13:57:09	03/12/2013 13:57:19	No data
	✗	03/12/2013 13:57:19	03/12/2013 13:57:59	Tracked / Rejected
	✗	03/12/2013 13:57:59	03/12/2013 14:09:59	No data
	✗	03/12/2013 14:09:59	03/12/2013 14:10:14	Tracked / Rejected
	✓	03/12/2013 14:10:14	03/12/2013 14:34:24	Tracked / Used
	✗	03/12/2013 14:34:24	03/12/2013 14:34:29	No data
	✓	03/12/2013 14:34:29	03/12/2013 15:52:24	Tracked / Used
	✗	03/12/2013 15:52:24	03/12/2013 15:52:29	Tracked / Rejected
	✗	03/12/2013 15:52:29	03/12/2013 16:09:54	No data
	✗	03/12/2013 13:34:14	03/12/2013 14:17:24	No data
	✗	03/12/2013 14:17:24	03/12/2013 14:17:29	Tracked / Rejected
	✗	03/12/2013 14:17:29	03/12/2013 14:25:34	No data
	✗	03/12/2013 14:25:34	03/12/2013 14:31:34	Tracked / Rejected
	✗	03/12/2013 14:31:34	03/12/2013 14:31:44	No data
	✗	03/12/2013 14:31:44	03/12/2013 14:35:14	Tracked / Rejected
	✗	03/12/2013 14:35:14	03/12/2013 14:37:14	No data
	✗	03/12/2013 14:37:14	03/12/2013 14:37:29	Tracked / Rejected
	✗	03/12/2013 14:37:29	03/12/2013 14:37:39	No data
	✗	03/12/2013 14:37:39	03/12/2013 14:37:54	Tracked / Rejected
	✗	03/12/2013 14:37:54	03/12/2013 14:37:59	No data
	✗	03/12/2013 14:37:59	03/12/2013 14:42:09	Tracked / Rejected
	✗	03/12/2013 14:42:09	03/12/2013 14:42:14	No data
	✗	03/12/2013 14:42:14	03/12/2013 14:43:19	Tracked / Rejected
	✗	03/12/2013 14:43:19	03/12/2013 14:43:49	No data
	✗	03/12/2013 14:43:49	03/12/2013 14:44:19	Tracked / Rejected
	✓	03/12/2013 14:44:19	03/12/2013 14:46:19	Tracked / Used
	✗	03/12/2013 14:46:19	03/12/2013 14:47:09	No data
	✗	03/12/2013 14:47:09	03/12/2013 14:51:29	Tracked / Rejected
	✗	03/12/2013 14:51:29	03/12/2013 14:53:54	No data
	✗	03/12/2013 14:53:54	03/12/2013 14:54:19	Tracked / Rejected
	✗	03/12/2013 14:54:19	03/12/2013 14:54:24	No data
	✗	03/12/2013 14:54:24	03/12/2013 14:55:49	Tracked / Rejected
	✗	03/12/2013 14:55:49	03/12/2013 14:55:54	No data
	✗	03/12/2013 14:55:54	03/12/2013 14:56:04	Tracked / Rejected
	✓	03/12/2013 14:56:04	03/12/2013 15:01:54	Tracked / Used
	✗	03/12/2013 15:01:54	03/12/2013 15:01:59	No data
	✗	03/12/2013 15:01:59	03/12/2013 15:02:19	Tracked / Rejected
	✗	03/12/2013 15:02:19	03/12/2013 15:06:54	No data
	✗	03/12/2013 15:06:54	03/12/2013 15:07:09	Tracked / Rejected
	✓	03/12/2013 15:07:09	03/12/2013 15:08:59	Tracked / Used
	✗	03/12/2013 15:08:59	03/12/2013 15:09:14	No data

	×	03/12/2013 15:09:14	03/12/2013 15:09:19	Tracked / Rejected
	×	03/12/2013 15:09:19	03/12/2013 15:14:14	No data
	×	03/12/2013 15:14:14	03/12/2013 15:16:14	Tracked / Rejected
	✓	03/12/2013 15:16:14	03/12/2013 15:18:34	Tracked / Used
	×	03/12/2013 15:18:34	03/12/2013 15:18:44	No data
	×	03/12/2013 15:18:44	03/12/2013 15:19:04	Tracked / Rejected
	×	03/12/2013 15:19:04	03/12/2013 15:19:09	No data
	×	03/12/2013 15:19:09	03/12/2013 15:19:34	Tracked / Rejected
	×	03/12/2013 15:19:34	03/12/2013 15:22:09	No data
	×	03/12/2013 15:22:09	03/12/2013 15:23:14	Tracked / Rejected
	✓	03/12/2013 15:23:14	03/12/2013 15:30:59	Tracked / Used
	×	03/12/2013 15:30:59	03/12/2013 15:31:14	Tracked / Rejected
	✓	03/12/2013 15:31:14	03/12/2013 15:58:29	Tracked / Used
	×	03/12/2013 15:58:29	03/12/2013 15:59:44	No data
	×	03/12/2013 15:59:44	03/12/2013 15:59:59	Tracked / Rejected
	✓	03/12/2013 15:59:59	03/12/2013 16:09:54	Tracked / Used
G31	✓	03/12/2013 13:34:14	03/12/2013 16:09:54	Tracked / Used
G32	×	03/12/2013 13:34:14	03/12/2013 14:11:14	No data
	×	03/12/2013 14:11:14	03/12/2013 14:11:19	Tracked / Rejected
	×	03/12/2013 14:11:19	03/12/2013 14:11:34	No data
	✓	03/12/2013 14:11:34	03/12/2013 16:09:54	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G01	×	03/12/2013 13:34:14	03/12/2013 14:04:34	No data
	✓	03/12/2013 14:04:34	03/12/2013 15:20:24	Tracked / Used
	×	03/12/2013 15:20:24	03/12/2013 15:20:29	No data
	×	03/12/2013 15:20:29	03/12/2013 15:25:04	Tracked / Rejected
	×	03/12/2013 15:25:04	03/12/2013 15:25:09	No data
	✓	03/12/2013 15:25:09	03/12/2013 15:26:54	Tracked / Used
	×	03/12/2013 15:26:54	03/12/2013 15:26:59	No data
	✓	03/12/2013 15:26:59	03/12/2013 15:31:04	Tracked / Used
	×	03/12/2013 15:31:04	03/12/2013 15:40:24	Tracked / Rejected
	×	03/12/2013 15:40:24	03/12/2013 15:40:29	No data
	×	03/12/2013 15:40:29	03/12/2013 15:40:54	Tracked / Rejected
	×	03/12/2013 15:40:54	03/12/2013 15:40:59	No data
	✓	03/12/2013 15:40:59	03/12/2013 15:43:09	Tracked / Used
	×	03/12/2013 15:43:09	03/12/2013 15:43:14	No data
	×	03/12/2013 15:43:14	03/12/2013 15:45:29	Tracked / Rejected
	×	03/12/2013 15:45:29	03/12/2013 15:45:34	No data
	×	03/12/2013 15:45:34	03/12/2013 15:51:19	Tracked / Rejected
	×	03/12/2013 15:51:19	03/12/2013 15:51:29	No data
	×	03/12/2013 15:51:29	03/12/2013 15:52:19	Tracked / Rejected
	×	03/12/2013 15:52:19	03/12/2013 15:52:24	No data
	×	03/12/2013 15:52:24	03/12/2013 15:54:59	Tracked / Rejected
	×	03/12/2013 15:54:59	03/12/2013 15:55:04	No data
	×	03/12/2013 15:55:04	03/12/2013 15:59:54	Tracked / Rejected
	×	03/12/2013 15:59:54	03/12/2013 15:59:59	No data
	×	03/12/2013 15:59:59	03/12/2013 16:00:14	Tracked / Rejected
	×	03/12/2013 16:00:14	03/12/2013 16:00:19	No data
		03/12/2013 16:00:19	03/12/2013 16:01:59	Tracked / Rejected

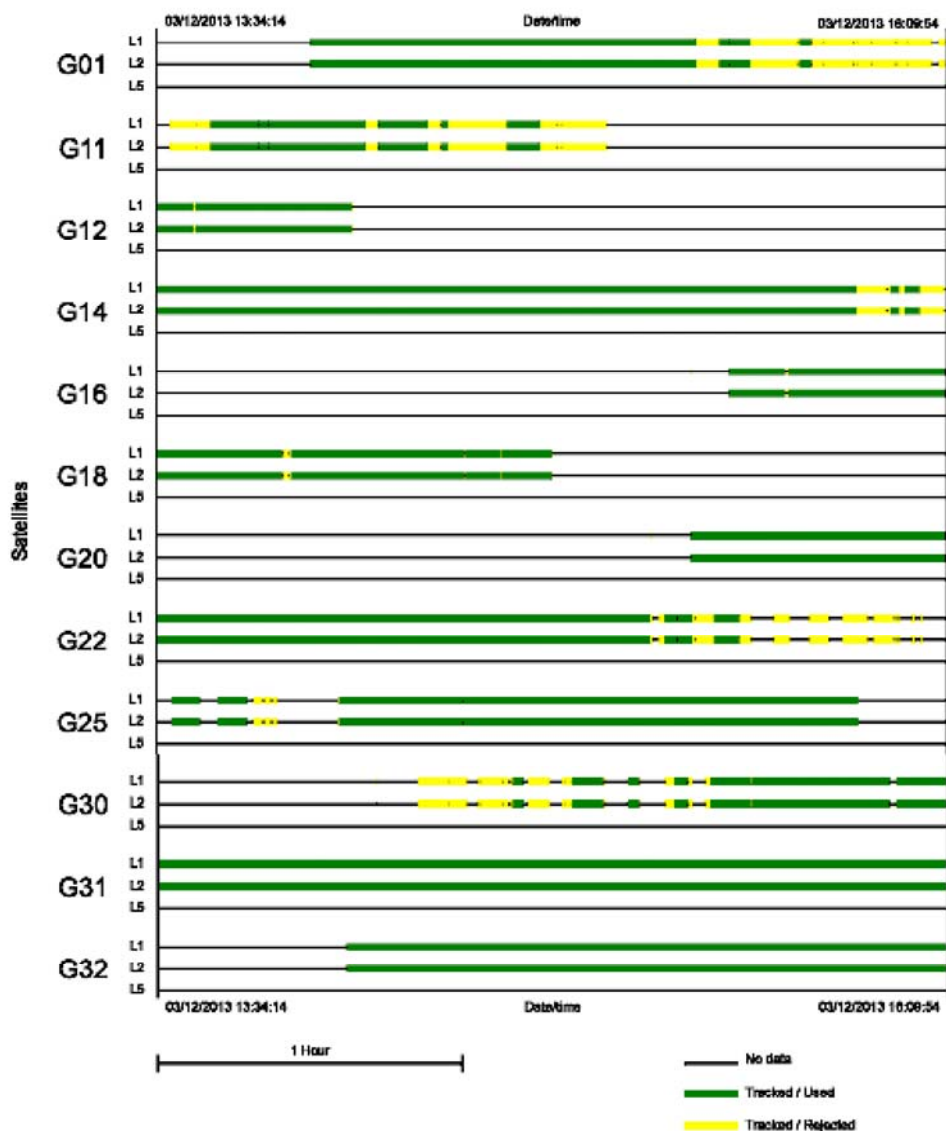
	×			
	×	03/12/2013 16:01:59	03/12/2013 16:02:04	No data
	×	03/12/2013 16:02:04	03/12/2013 16:06:59	Tracked / Rejected
	×	03/12/2013 16:06:59	03/12/2013 16:08:14	No data
	×	03/12/2013 16:08:14	03/12/2013 16:09:49	Tracked / Rejected
	×	03/12/2013 16:09:49	03/12/2013 16:09:54	No data
	×	03/12/2013 16:09:54	03/12/2013 16:09:54	Tracked / Rejected
G11	×	03/12/2013 13:34:14	03/12/2013 13:36:49	No data
	×	03/12/2013 13:36:49	03/12/2013 13:42:14	Tracked / Rejected
	×	03/12/2013 13:42:14	03/12/2013 13:42:19	No data
	×	03/12/2013 13:42:19	03/12/2013 13:44:49	Tracked / Rejected
	×	03/12/2013 13:44:49	03/12/2013 13:44:54	No data
	✓	03/12/2013 13:44:54	03/12/2013 13:54:24	Tracked / Used
	×	03/12/2013 13:54:24	03/12/2013 13:54:29	No data
	✓	03/12/2013 13:54:29	03/12/2013 13:56:14	Tracked / Used
	×	03/12/2013 13:56:14	03/12/2013 13:56:19	No data
	✓	03/12/2013 13:56:19	03/12/2013 14:15:19	Tracked / Used
	×	03/12/2013 14:15:19	03/12/2013 14:15:24	No data
	×	03/12/2013 14:15:24	03/12/2013 14:17:49	Tracked / Rejected
	×	03/12/2013 14:17:49	03/12/2013 14:17:54	No data
	✓	03/12/2013 14:17:54	03/12/2013 14:27:34	Tracked / Used
	×	03/12/2013 14:27:34	03/12/2013 14:30:14	Tracked / Rejected
	×	03/12/2013 14:30:14	03/12/2013 14:30:19	No data
	✓	03/12/2013 14:30:19	03/12/2013 14:31:39	Tracked / Used
	×	03/12/2013 14:31:39	03/12/2013 14:43:14	Tracked / Rejected
	×	03/12/2013 14:43:14	03/12/2013 14:43:19	No data
	✓	03/12/2013 14:43:19	03/12/2013 14:49:39	Tracked / Used
	×	03/12/2013 14:49:39	03/12/2013 14:49:44	Tracked / Rejected
	×	03/12/2013 14:49:44	03/12/2013 14:49:49	No data
	×	03/12/2013 14:49:49	03/12/2013 14:53:14	Tracked / Rejected
	×	03/12/2013 14:53:14	03/12/2013 14:53:19	No data
	×	03/12/2013 14:53:19	03/12/2013 14:54:04	Tracked / Rejected
	×	03/12/2013 14:54:04	03/12/2013 14:54:09	No data
	×	03/12/2013 14:54:09	03/12/2013 15:02:54	Tracked / Rejected
	×	03/12/2013 15:02:54	03/12/2013 16:09:54	No data
G12	✓	03/12/2013 13:34:14	03/12/2013 13:41:24	Tracked / Used
	×	03/12/2013 13:41:24	03/12/2013 13:41:29	No data
	×	03/12/2013 13:41:29	03/12/2013 13:41:39	Tracked / Rejected
	×	03/12/2013 13:41:39	03/12/2013 13:41:49	No data
	×	03/12/2013 13:41:49	03/12/2013 13:41:59	Tracked / Rejected
	✓	03/12/2013 13:41:59	03/12/2013 14:12:44	Tracked / Used
	×	03/12/2013 14:12:44	03/12/2013 14:12:49	Tracked / Rejected
	×	03/12/2013 14:12:49	03/12/2013 16:09:54	No data
G14	✓	03/12/2013 13:34:14	03/12/2013 15:51:54	Tracked / Used
	×	03/12/2013 15:51:54	03/12/2013 15:57:59	Tracked / Rejected
	×	03/12/2013 15:57:59	03/12/2013 15:58:14	No data
	×	03/12/2013 15:58:14	03/12/2013 15:58:49	Tracked / Rejected
	✓	03/12/2013 15:58:49	03/12/2013 16:00:29	Tracked / Used
	×	03/12/2013 16:00:29	03/12/2013 16:01:39	Tracked / Rejected
	✓	03/12/2013 16:01:39	03/12/2013 16:04:29	Tracked / Used

G16	✗	03/12/2013 16:04:29	03/12/2013 16:09:19	Tracked / Rejected
	✗	03/12/2013 16:09:19	03/12/2013 16:09:24	No data
	✗	03/12/2013 16:09:24	03/12/2013 16:09:29	Tracked / Rejected
	✗	03/12/2013 16:09:29	03/12/2013 16:09:54	No data
	✗	03/12/2013 13:34:14	03/12/2013 15:27:04	No data
	✓	03/12/2013 15:27:04	03/12/2013 15:37:59	Tracked / Used
	✗	03/12/2013 15:37:59	03/12/2013 15:38:29	No data
G18	✗	03/12/2013 15:38:29	03/12/2013 15:38:39	Tracked / Rejected
	✓	03/12/2013 15:38:39	03/12/2013 16:09:54	Tracked / Used
	✓	03/12/2013 13:34:14	03/12/2013 13:58:59	Tracked / Used
	✗	03/12/2013 13:58:59	03/12/2013 13:59:09	No data
	✗	03/12/2013 13:59:09	03/12/2013 14:00:19	Tracked / Rejected
	✗	03/12/2013 14:00:19	03/12/2013 14:00:29	No data
	✗	03/12/2013 14:00:29	03/12/2013 14:00:44	Tracked / Rejected
	✓	03/12/2013 14:00:44	03/12/2013 14:34:54	Tracked / Used
	✗	03/12/2013 14:34:54	03/12/2013 14:34:59	No data
	✗	03/12/2013 14:34:59	03/12/2013 14:35:09	Tracked / Rejected
G20	✓	03/12/2013 14:35:09	03/12/2013 14:41:54	Tracked / Used
	✗	03/12/2013 14:41:54	03/12/2013 14:42:09	Tracked / Rejected
	✓	03/12/2013 14:42:09	03/12/2013 14:52:04	Tracked / Used
	✗	03/12/2013 14:52:04	03/12/2013 14:52:09	Tracked / Rejected
	✗	03/12/2013 14:52:09	03/12/2013 16:09:54	No data
	✗	03/12/2013 13:34:14	03/12/2013 15:19:29	No data
	✓	03/12/2013 15:19:29	03/12/2013 16:09:54	Tracked / Used
	✓	03/12/2013 13:34:14	03/12/2013 15:11:29	Tracked / Used
	✗	03/12/2013 15:11:29	03/12/2013 15:11:59	Tracked / Rejected
	✗	03/12/2013 15:11:59	03/12/2013 15:13:09	No data
G22	✗	03/12/2013 15:13:09	03/12/2013 15:14:14	Tracked / Rejected
	✓	03/12/2013 15:14:14	03/12/2013 15:16:44	Tracked / Used
	✗	03/12/2013 15:16:44	03/12/2013 15:16:54	No data
	✗	03/12/2013 15:16:54	03/12/2013 15:17:04	Tracked / Rejected
	✓	03/12/2013 15:17:04	03/12/2013 15:19:34	Tracked / Used
	✗	03/12/2013 15:19:34	03/12/2013 15:20:19	Tracked / Rejected
	✗	03/12/2013 15:20:19	03/12/2013 15:20:29	No data
	✗	03/12/2013 15:20:29	03/12/2013 15:23:44	Tracked / Rejected
	✗	03/12/2013 15:23:44	03/12/2013 15:23:49	No data
	✗	03/12/2013 15:23:49	03/12/2013 15:24:04	Tracked / Rejected
	✓	03/12/2013 15:24:04	03/12/2013 15:28:59	Tracked / Used
	✗	03/12/2013 15:28:59	03/12/2013 15:31:24	Tracked / Rejected
	✗	03/12/2013 15:31:24	03/12/2013 15:35:44	No data
	✗	03/12/2013 15:35:44	03/12/2013 15:38:59	Tracked / Rejected
	✗	03/12/2013 15:38:59	03/12/2013 15:42:49	No data
	✗	03/12/2013 15:42:49	03/12/2013 15:46:39	Tracked / Rejected
	✗	03/12/2013 15:46:39	03/12/2013 15:49:24	No data
	✗	03/12/2013 15:49:24	03/12/2013 15:54:19	Tracked / Rejected
	✗	03/12/2013 15:54:19	03/12/2013 15:55:24	No data
	✗	03/12/2013 15:55:24	03/12/2013 15:59:19	Tracked / Rejected
	✗	03/12/2013 15:59:19	03/12/2013 15:59:29	No data
	✗	03/12/2013 15:59:29	03/12/2013 15:59:34	Tracked / Rejected
	✗	03/12/2013 15:59:34	03/12/2013 15:59:44	No data

G25	✗	03/12/2013 15:59:44	03/12/2013 15:59:54	Tracked / Rejected
	✗	03/12/2013 15:59:54	03/12/2013 16:00:09	No data
	✗	03/12/2013 16:00:09	03/12/2013 16:00:39	Tracked / Rejected
	✗	03/12/2013 16:00:39	03/12/2013 16:02:59	No data
	✗	03/12/2013 16:02:59	03/12/2013 16:03:39	Tracked / Rejected
	✗	03/12/2013 16:03:39	03/12/2013 16:04:39	No data
	✗	03/12/2013 16:04:39	03/12/2013 16:05:04	Tracked / Rejected
	✗	03/12/2013 16:05:04	03/12/2013 16:09:54	No data
	✗	03/12/2013 13:34:14	03/12/2013 13:37:09	No data
	✗	03/12/2013 13:37:09	03/12/2013 13:37:19	Tracked / Rejected
	✓	03/12/2013 13:37:19	03/12/2013 13:42:44	Tracked / Used
	✗	03/12/2013 13:42:44	03/12/2013 13:46:19	No data
	✗	03/12/2013 13:46:19	03/12/2013 13:46:24	Tracked / Rejected
	✓	03/12/2013 13:46:24	03/12/2013 13:52:04	Tracked / Used
	✗	03/12/2013 13:52:04	03/12/2013 13:53:19	No data
	✗	03/12/2013 13:53:19	03/12/2013 13:54:59	Tracked / Rejected
	✗	03/12/2013 13:54:59	03/12/2013 13:55:14	No data
	✗	03/12/2013 13:55:14	03/12/2013 13:55:29	Tracked / Rejected
	✗	03/12/2013 13:55:29	03/12/2013 13:55:39	No data
	✗	03/12/2013 13:55:39	03/12/2013 13:56:44	Tracked / Rejected
	✗	03/12/2013 13:56:44	03/12/2013 13:56:59	No data
	✗	03/12/2013 13:56:59	03/12/2013 13:57:09	Tracked / Rejected
	✗	03/12/2013 13:57:09	03/12/2013 13:57:19	No data
	✗	03/12/2013 13:57:19	03/12/2013 13:57:59	Tracked / Rejected
	✗	03/12/2013 13:57:59	03/12/2013 14:09:59	No data
G30	✗	03/12/2013 14:09:59	03/12/2013 14:10:14	Tracked / Rejected
	✓	03/12/2013 14:10:14	03/12/2013 14:34:24	Tracked / Used
	✗	03/12/2013 14:34:24	03/12/2013 14:34:29	No data
	✓	03/12/2013 14:34:29	03/12/2013 15:52:24	Tracked / Used
	✗	03/12/2013 15:52:24	03/12/2013 15:52:29	Tracked / Rejected
	✗	03/12/2013 15:52:29	03/12/2013 16:09:54	No data
	✗	03/12/2013 13:34:14	03/12/2013 14:17:24	No data
	✗	03/12/2013 14:17:24	03/12/2013 14:17:29	Tracked / Rejected
	✗	03/12/2013 14:17:29	03/12/2013 14:25:34	No data
	✗	03/12/2013 14:25:34	03/12/2013 14:31:34	Tracked / Rejected
	✗	03/12/2013 14:31:34	03/12/2013 14:31:44	No data
	✗	03/12/2013 14:31:44	03/12/2013 14:35:14	Tracked / Rejected
	✗	03/12/2013 14:35:14	03/12/2013 14:37:14	No data
	✗	03/12/2013 14:37:14	03/12/2013 14:37:29	Tracked / Rejected
	✗	03/12/2013 14:37:29	03/12/2013 14:37:39	No data
	✗	03/12/2013 14:37:39	03/12/2013 14:37:54	Tracked / Rejected
	✗	03/12/2013 14:37:54	03/12/2013 14:37:59	No data
	✗	03/12/2013 14:37:59	03/12/2013 14:42:09	Tracked / Rejected
	✗	03/12/2013 14:42:09	03/12/2013 14:42:14	No data
	✗	03/12/2013 14:42:14	03/12/2013 14:43:19	Tracked / Rejected
	✗	03/12/2013 14:43:19	03/12/2013 14:43:49	No data
	✗	03/12/2013 14:43:49	03/12/2013 14:44:19	Tracked / Rejected
	✓	03/12/2013 14:44:19	03/12/2013 14:46:19	Tracked / Used
	✗	03/12/2013 14:46:19	03/12/2013 14:47:09	No data
	✗	03/12/2013 14:47:09	03/12/2013 14:51:29	Tracked / Rejected

	✗	03/12/2013 14:51:29	03/12/2013 14:53:54	No data
	✗	03/12/2013 14:53:54	03/12/2013 14:54:19	Tracked / Rejected
	✗	03/12/2013 14:54:19	03/12/2013 14:54:24	No data
	✗	03/12/2013 14:54:24	03/12/2013 14:55:49	Tracked / Rejected
	✗	03/12/2013 14:55:49	03/12/2013 14:55:54	No data
	✗	03/12/2013 14:55:54	03/12/2013 14:56:04	Tracked / Rejected
	✓	03/12/2013 14:56:04	03/12/2013 15:01:54	Tracked / Used
	✗	03/12/2013 15:01:54	03/12/2013 15:01:59	No data
	✗	03/12/2013 15:01:59	03/12/2013 15:02:19	Tracked / Rejected
	✗	03/12/2013 15:02:19	03/12/2013 15:06:54	No data
	✗	03/12/2013 15:06:54	03/12/2013 15:07:09	Tracked / Rejected
	✓	03/12/2013 15:07:09	03/12/2013 15:08:59	Tracked / Used
	✗	03/12/2013 15:08:59	03/12/2013 15:09:14	No data
	✗	03/12/2013 15:09:14	03/12/2013 15:09:19	Tracked / Rejected
	✗	03/12/2013 15:09:19	03/12/2013 15:14:14	No data
	✗	03/12/2013 15:14:14	03/12/2013 15:16:14	Tracked / Rejected
	✓	03/12/2013 15:16:14	03/12/2013 15:18:34	Tracked / Used
	✗	03/12/2013 15:18:34	03/12/2013 15:18:44	No data
	✗	03/12/2013 15:18:44	03/12/2013 15:19:04	Tracked / Rejected
	✗	03/12/2013 15:19:04	03/12/2013 15:19:09	No data
	✗	03/12/2013 15:19:09	03/12/2013 15:19:34	Tracked / Rejected
	✗	03/12/2013 15:19:34	03/12/2013 15:22:09	No data
	✗	03/12/2013 15:22:09	03/12/2013 15:23:14	Tracked / Rejected
	✓	03/12/2013 15:23:14	03/12/2013 15:30:59	Tracked / Used
	✗	03/12/2013 15:30:59	03/12/2013 15:31:14	Tracked / Rejected
	✓	03/12/2013 15:31:14	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:59	Tracked / Rejected
	✓	03/12/2013 15:59:59	03/12/2013 16:09:54	Tracked / Used
G31	✓	03/12/2013 13:34:14	03/12/2013 16:09:54	Tracked / Used
G32	✗	03/12/2013 13:34:14	03/12/2013 14:11:14	No data
	✗	03/12/2013 14:11:14	03/12/2013 14:11:19	Tracked / Rejected
	✗	03/12/2013 14:11:19	03/12/2013 14:11:34	No data
	✓	03/12/2013 14:11:34	03/12/2013 16:09:54	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	172
Number of fixed GPS ambiguities:	86
Number of independent fixes:	178
Avg. time between independent fixes:	20"
Percentage of fixed epochs (L1):	93%
Percentage of fixed epochs (L2):	94%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/12/2013 13:34:14	03/12/2013 16:09:54	2h 35' 40"

Cycle Slip Statistics

Total number of cycle slips: 32

Time	Satellite	Frequency	Slip value	Flags
03/12/2013 13:38:09	G11	L1	11.00	flagged
03/12/2013 13:38:09	G11	L2	3.00	flagged
03/12/2013 13:42:09	G11	L1	6.00	flagged
03/12/2013 13:42:09	G11	L2	1.00	flagged
03/12/2013 14:27:34	G11	L1	4.00	flagged
03/12/2013 14:27:34	G11	L2	7.00	flagged
03/12/2013 14:31:39	G11	L1	2.00	flagged
03/12/2013 14:31:39	G11	L2	16.00	flagged
03/12/2013 14:31:44	G11	L2	-12.00	flagged
03/12/2013 14:36:34	G11	L1	1.00	flagged
03/12/2013 14:36:34	G11	L2	-10.00	flagged
03/12/2013 14:37:24	G30	L1	-	ria
03/12/2013 14:41:54	G18	L1	-	ria
03/12/2013 14:41:54	G18	L2	-	ria
03/12/2013 14:42:09	G18	L1	-	ria
03/12/2013 14:42:09	G18	L2	-	ria
03/12/2013 14:44:34	G11	L1	-	ria
03/12/2013 14:44:34	G11	L2	-	ria
03/12/2013 14:49:39	G11	L1	1.00	flagged
03/12/2013 14:49:39	G11	L2	3.00	flagged
03/12/2013 14:51:24	G30	L1	-	flagged
03/12/2013 15:01:34	G11	L1	-	ria
03/12/2013 15:01:34	G11	L2	-	ria
03/12/2013 15:18:09	G01	L1	-9.00	flagged
03/12/2013 15:18:09	G01	L2	-15.00	flagged
03/12/2013 15:30:59	G30	L1	-	flagged
03/12/2013 15:31:04	G01	L1	3.00	flagged
03/12/2013 15:31:04	G01	L2	-	flagged
03/12/2013 15:49:34	G01	L1	4.00	flagged
03/12/2013 15:49:34	G01	L2	13.00	flagged
03/12/2013 15:57:24	G01	L1	2.00	flagged
03/12/2013 15:57:24	G01	L2	5.00	flagged

Final Coordinates

	Reference:G358	Rover:500	
Coordinates:			
Latitude:	29° 27' 38.86109" N	29° 17' 49.10133" N	
Longitude:	90° 18' 31.16528" W	90° 14' 01.78562" W	
Ellip. Hgt:	-23.95703 m	-23.51832 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00043 m	Sd. Lon: 0.00042 m	Sd. Hgt: 0.00103 m
	Posn. Qlty: 0.00061 m	Sd. Slope: 0.00041 m	
M0:	0.54338 m		
Cofactor matrix Qxx:	0.00000064	0.00000010	0.00000013

		0.00000061	0.00000015 0.00000361
Baseline vector:	dLat: -0° 09' 49.75975" Slope: 19557.47492 m	dLon: 0° 04' 29.37966"	dHgt: 0.43870 m
DOPs (min-max):	GDOP: 2.0 - 15.3 PDOP: 1.8 - 12.4	HDOP: 0.8 - 10.4	VDOP: 1.5 - 6.7
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

G358 - 501

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:52

Point Information

	Reference: G358	Rover: 501
Receiver type / S/N:	SR530 / 34012	ATX1230 / 316021
Antenna type / S/N:	AT502 Tripod / -	ATX1230 Tripod / -
Antenna height:	1.36300 m	1.28900 m
Initial coordinates:		
Latitude:	29° 27' 38.86109" N	29° 17' 46.85451" N
Longitude:	90° 18' 31.16528" W	90° 14' 00.86588" W
Ellip. Hgt:	-23.95703 m	-27.02631 m
Time span:	03/12/2013 13:34:14 - 03/12/2013 16:06:44	
Duration:	2h 32' 30"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	15	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 27' 38.86109" N
 Longitude: 90° 18' 31.16528" W
 Time (UT): 03/12/2013 18:34:14

Validity: From epoch: 03/12/2013 13:34:14
 To epoch: 03/12/2013 16:59:24

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	3.61108562	0.01253466
	0	1	0.54289006	0.01144192
	0	2	-0.42737507	0.00527010
	1	0	-0.51705222	0.00808210
	1	1	-0.16175842	0.00869131

Antenna Information

	Reference: G358	Rover: 501
Antenna type:	AT502 Tripod	ATX1230 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.08880 m	0.08850 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.4	1.4	2.8	4.5	6.4	8.4	10.2	12.0	13.5	14.8	15.6	15.8	15.6	14.8	13.5	11.7	9.2	6.0
0° L2	0.0	0.2	0.6	1.3	2.1	3.1	4.0	5.0	5.9	6.7	7.3	7.7	7.7	7.4	6.7	5.7	4.0	1.7	-1.6

Observation Statistics

Number of common epochs: 611

GPS:

Number of used observations (L1): 4089
 Number of rejected observations (L1): 569
 Number of used observations (L2): 4058
 Number of rejected observations (L2): 593

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✗	03/12/2013 13:34:14	03/12/2013 14:04:29	No data
	✓	03/12/2013 14:04:29	03/12/2013 15:24:59	Tracked / Used
	✗	03/12/2013 15:24:59	03/12/2013 15:25:14	No data
	✗	03/12/2013 15:25:14	03/12/2013 15:26:59	Tracked / Rejected
	✓	03/12/2013 15:26:59	03/12/2013 15:30:59	Tracked / Used
	✗	03/12/2013 15:30:59	03/12/2013 15:31:14	Tracked / Rejected
	✓	03/12/2013 15:31:14	03/12/2013 15:40:29	Tracked / Used
	✗	03/12/2013 15:40:29	03/12/2013 15:40:59	Tracked / Rejected
	✓	03/12/2013 15:40:59	03/12/2013 15:45:14	Tracked / Used
	✗	03/12/2013 15:45:14	03/12/2013 15:45:29	Tracked / Rejected
	✓	03/12/2013 15:45:29	03/12/2013 15:49:29	Tracked / Used
	✗	03/12/2013 15:49:29	03/12/2013 15:49:44	No data
	✗	03/12/2013 15:49:44	03/12/2013 15:52:29	Tracked / Rejected
	✓	03/12/2013 15:52:29	03/12/2013 15:52:59	Tracked / Used
	✗	03/12/2013 15:52:59	03/12/2013 15:53:14	No data
	✓	03/12/2013 15:53:14	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 16:06:44	Tracked / Rejected
G11	✗	03/12/2013 13:34:14	03/12/2013 13:37:14	No data
	✗	03/12/2013 13:37:14	03/12/2013 13:48:29	Tracked / Rejected
	✓	03/12/2013 13:48:29	03/12/2013 13:56:14	Tracked / Used
	✗	03/12/2013 13:56:14	03/12/2013 14:00:44	Tracked / Rejected
	✓	03/12/2013 14:00:44	03/12/2013 14:06:59	Tracked / Used
	✗	03/12/2013 14:06:59	03/12/2013 14:08:29	Tracked / Rejected
	✓	03/12/2013 14:08:29	03/12/2013 14:14:14	Tracked / Used
	✗	03/12/2013 14:14:14	03/12/2013 14:18:29	Tracked / Rejected
	✓	03/12/2013 14:18:29	03/12/2013 14:20:44	Tracked / Used
	✗	03/12/2013 14:20:44	03/12/2013 14:21:29	Tracked / Rejected
	✓	03/12/2013 14:21:29	03/12/2013 14:27:29	Tracked / Used
	✗	03/12/2013 14:27:29	03/12/2013 14:27:44	No data
	✓	03/12/2013 14:27:44	03/12/2013 14:31:44	Tracked / Used
	✗	03/12/2013 14:31:44	03/12/2013 14:36:29	Tracked / Rejected
	✗	03/12/2013 14:36:29	03/12/2013 14:36:44	No data
	✓	03/12/2013 14:36:44	03/12/2013 14:43:14	Tracked / Used
	✗	03/12/2013 14:43:14	03/12/2013 14:49:59	Tracked / Rejected
	✓	03/12/2013 14:49:59	03/12/2013 14:53:14	Tracked / Used
	✗	03/12/2013 14:53:14	03/12/2013 14:53:59	Tracked / Rejected
	✗	03/12/2013 14:53:59	03/12/2013 14:54:14	No data
	✗	03/12/2013 14:54:14	03/12/2013 15:03:14	Tracked / Rejected
	✗	03/12/2013 15:03:14	03/12/2013 16:06:44	No data
G12	✓	03/12/2013 13:34:14	03/12/2013 13:41:29	Tracked / Used
	✗	03/12/2013 13:41:29	03/12/2013 13:41:44	Tracked / Rejected
	✗	03/12/2013 13:41:44	03/12/2013 13:41:59	No data
	✓	03/12/2013 13:41:59	03/12/2013 14:12:44	Tracked / Used

G14	✗	03/12/2013 14:12:44	03/12/2013 14:12:59	Tracked / Rejected
	✗	03/12/2013 14:12:59	03/12/2013 16:06:44	No data
	✓	03/12/2013 13:34:14	03/12/2013 15:51:59	Tracked / Used
	✗	03/12/2013 15:51:59	03/12/2013 15:52:29	Tracked / Rejected
	✓	03/12/2013 15:52:29	03/12/2013 15:57:59	Tracked / Used
	✗	03/12/2013 15:57:59	03/12/2013 15:58:14	No data
G16	✓	03/12/2013 15:58:14	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 16:01:44	Tracked / Rejected
	✓	03/12/2013 16:01:44	03/12/2013 16:04:29	Tracked / Used
	✗	03/12/2013 16:04:29	03/12/2013 16:06:44	Tracked / Rejected
	✗	03/12/2013 13:34:14	03/12/2013 15:27:14	No data
	✓	03/12/2013 15:27:14	03/12/2013 15:37:59	Tracked / Used
G18	✗	03/12/2013 15:37:59	03/12/2013 15:38:29	No data
	✗	03/12/2013 15:38:29	03/12/2013 15:38:44	Tracked / Rejected
	✓	03/12/2013 15:38:44	03/12/2013 16:06:44	Tracked / Used
	✓	03/12/2013 13:34:14	03/12/2013 13:58:59	Tracked / Used
	✗	03/12/2013 13:58:59	03/12/2013 13:59:14	No data
	✗	03/12/2013 13:59:14	03/12/2013 14:00:44	Tracked / Rejected
G20	✓	03/12/2013 14:00:44	03/12/2013 14:34:59	Tracked / Used
	✗	03/12/2013 14:34:59	03/12/2013 14:35:14	Tracked / Rejected
	✓	03/12/2013 14:35:14	03/12/2013 14:41:59	Tracked / Used
	✗	03/12/2013 14:41:59	03/12/2013 14:42:14	Tracked / Rejected
	✓	03/12/2013 14:42:14	03/12/2013 14:52:14	Tracked / Used
	✗	03/12/2013 14:52:14	03/12/2013 14:52:29	Tracked / Rejected
G22	✗	03/12/2013 14:52:29	03/12/2013 16:06:44	No data
	✗	03/12/2013 13:34:14	03/12/2013 15:08:29	No data
	✗	03/12/2013 15:08:29	03/12/2013 15:08:44	Tracked / Rejected
	✗	03/12/2013 15:08:44	03/12/2013 15:19:29	No data
	✓	03/12/2013 15:19:29	03/12/2013 16:06:44	Tracked / Used
	✓	03/12/2013 13:34:14	03/12/2013 15:11:29	Tracked / Used
G22	✗	03/12/2013 15:11:29	03/12/2013 15:11:59	Tracked / Rejected
	✗	03/12/2013 15:11:59	03/12/2013 15:13:14	No data
	✗	03/12/2013 15:13:14	03/12/2013 15:14:14	Tracked / Rejected
	✓	03/12/2013 15:14:14	03/12/2013 15:16:44	Tracked / Used
	✗	03/12/2013 15:16:44	03/12/2013 15:16:59	No data
	✗	03/12/2013 15:16:59	03/12/2013 15:23:44	Tracked / Rejected
G22	✗	03/12/2013 15:23:44	03/12/2013 15:23:59	No data
	✗	03/12/2013 15:23:59	03/12/2013 15:31:29	Tracked / Rejected
	✗	03/12/2013 15:31:29	03/12/2013 15:35:44	No data
	✗	03/12/2013 15:35:44	03/12/2013 15:37:14	Tracked / Rejected
	✓	03/12/2013 15:37:14	03/12/2013 15:38:59	Tracked / Used
	✗	03/12/2013 15:38:59	03/12/2013 15:42:59	No data
G22	✗	03/12/2013 15:42:59	03/12/2013 15:46:44	Tracked / Rejected
	✗	03/12/2013 15:46:44	03/12/2013 15:49:29	No data
	✗	03/12/2013 15:49:29	03/12/2013 15:52:29	Tracked / Rejected
	✓	03/12/2013 15:52:29	03/12/2013 15:54:29	Tracked / Used
	✗	03/12/2013 15:54:29	03/12/2013 15:55:29	No data
	✓	03/12/2013 15:55:29	03/12/2013 15:58:29	Tracked / Used
G22	✗	03/12/2013 15:58:29	03/12/2013 15:59:59	Tracked / Rejected
	✗	03/12/2013 15:59:59	03/12/2013 16:00:14	No data

G25	✗	03/12/2013 16:00:14	03/12/2013 16:00:44	Tracked / Rejected
	✗	03/12/2013 16:00:44	03/12/2013 16:02:59	No data
	✗	03/12/2013 16:02:59	03/12/2013 16:03:44	Tracked / Rejected
	✗	03/12/2013 16:03:44	03/12/2013 16:04:44	No data
	✗	03/12/2013 16:04:44	03/12/2013 16:05:14	Tracked / Rejected
	✗	03/12/2013 16:05:14	03/12/2013 16:06:44	No data
	✗	03/12/2013 13:34:14	03/12/2013 13:37:14	No data
	✗	03/12/2013 13:37:14	03/12/2013 13:37:29	Tracked / Rejected
	✓	03/12/2013 13:37:29	03/12/2013 13:42:44	Tracked / Used
	✗	03/12/2013 13:42:44	03/12/2013 13:46:29	No data
	✓	03/12/2013 13:46:29	03/12/2013 13:52:14	Tracked / Used
	✗	03/12/2013 13:52:14	03/12/2013 13:53:29	No data
	✗	03/12/2013 13:53:29	03/12/2013 13:54:59	Tracked / Rejected
	✗	03/12/2013 13:54:59	03/12/2013 13:55:14	No data
	✗	03/12/2013 13:55:14	03/12/2013 13:55:29	Tracked / Rejected
	✗	03/12/2013 13:55:29	03/12/2013 13:55:44	No data
	✗	03/12/2013 13:55:44	03/12/2013 13:56:44	Tracked / Rejected
	✗	03/12/2013 13:56:44	03/12/2013 13:56:59	No data
	✗	03/12/2013 13:56:59	03/12/2013 13:57:14	Tracked / Rejected
	✗	03/12/2013 13:57:14	03/12/2013 13:57:29	No data
	✗	03/12/2013 13:57:29	03/12/2013 13:57:59	Tracked / Rejected
	✗	03/12/2013 13:57:59	03/12/2013 14:09:59	No data
	✗	03/12/2013 14:09:59	03/12/2013 14:10:14	Tracked / Rejected
	✓	03/12/2013 14:10:14	03/12/2013 15:52:29	Tracked / Used
G30	✗	03/12/2013 15:52:29	03/12/2013 15:52:44	Tracked / Rejected
	✗	03/12/2013 15:52:44	03/12/2013 16:06:44	No data
	✗	03/12/2013 13:34:14	03/12/2013 14:25:29	No data
	✓	03/12/2013 14:25:29	03/12/2013 14:29:29	Tracked / Used
	✗	03/12/2013 14:29:29	03/12/2013 14:35:14	Tracked / Rejected
	✗	03/12/2013 14:35:14	03/12/2013 14:37:14	No data
	✗	03/12/2013 14:37:14	03/12/2013 14:37:29	Tracked / Rejected
	✗	03/12/2013 14:37:29	03/12/2013 14:37:44	No data
	✗	03/12/2013 14:37:44	03/12/2013 14:38:14	Tracked / Rejected
	✓	03/12/2013 14:38:14	03/12/2013 14:39:59	Tracked / Used
	✗	03/12/2013 14:39:59	03/12/2013 14:43:29	Tracked / Rejected
	✗	03/12/2013 14:43:29	03/12/2013 14:43:59	No data
	✗	03/12/2013 14:43:59	03/12/2013 14:46:29	Tracked / Rejected
	✗	03/12/2013 14:46:29	03/12/2013 14:47:14	No data
	✗	03/12/2013 14:47:14	03/12/2013 14:47:44	Tracked / Rejected
	✓	03/12/2013 14:47:44	03/12/2013 14:51:29	Tracked / Used
	✗	03/12/2013 14:51:29	03/12/2013 14:53:59	No data
	✗	03/12/2013 14:53:59	03/12/2013 14:56:14	Tracked / Rejected
	✓	03/12/2013 14:56:14	03/12/2013 15:01:59	Tracked / Used
	✗	03/12/2013 15:01:59	03/12/2013 15:02:29	Tracked / Rejected
	✗	03/12/2013 15:02:29	03/12/2013 15:06:59	No data
	✗	03/12/2013 15:06:59	03/12/2013 15:08:59	Tracked / Rejected
	✗	03/12/2013 15:08:59	03/12/2013 15:09:14	No data
	✗	03/12/2013 15:09:14	03/12/2013 15:09:29	Tracked / Rejected
	✗	03/12/2013 15:09:29	03/12/2013 15:14:14	No data
	✗	03/12/2013 15:14:14	03/12/2013 15:16:14	Tracked / Rejected

	✓	03/12/2013 15:16:14	03/12/2013 15:18:44	Tracked / Used
	✗	03/12/2013 15:18:44	03/12/2013 15:19:44	Tracked / Rejected
	✗	03/12/2013 15:19:44	03/12/2013 15:22:14	No data
	✗	03/12/2013 15:22:14	03/12/2013 15:23:14	Tracked / Rejected
	✓	03/12/2013 15:23:14	03/12/2013 15:30:59	Tracked / Used
	✗	03/12/2013 15:30:59	03/12/2013 15:52:29	Tracked / Rejected
	✓	03/12/2013 15:52:29	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:59	Tracked / Rejected
	✓	03/12/2013 15:59:59	03/12/2013 16:06:44	Tracked / Used
G31	✓	03/12/2013 13:34:14	03/12/2013 16:06:44	Tracked / Used
G32	✗	03/12/2013 13:34:14	03/12/2013 14:11:44	No data
	✓	03/12/2013 14:11:44	03/12/2013 16:06:44	Tracked / Used

Tracking Status GPS L2:

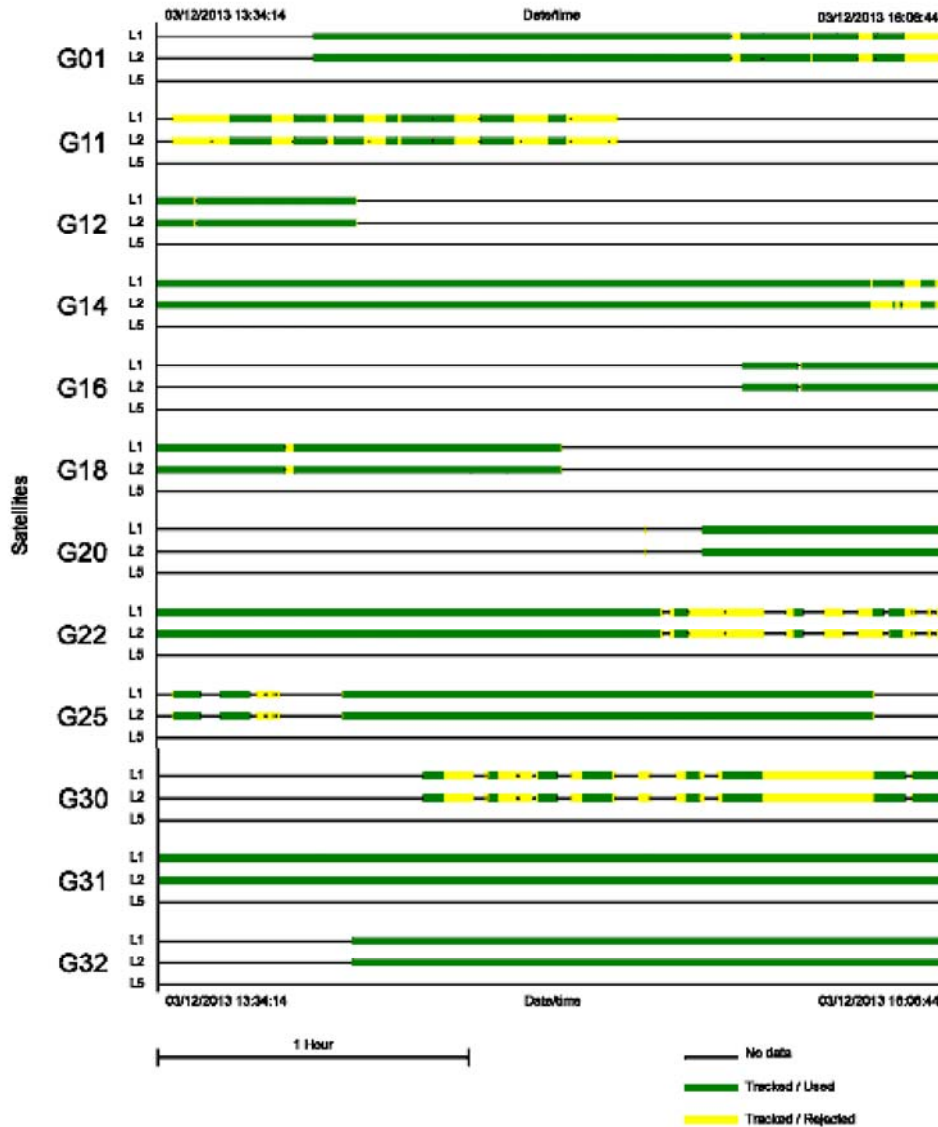
Satellite		From	To	Status
G01	✗	03/12/2013 13:34:14	03/12/2013 14:04:29	No data
	✓	03/12/2013 14:04:29	03/12/2013 15:24:59	Tracked / Used
	✗	03/12/2013 15:24:59	03/12/2013 15:25:14	No data
	✗	03/12/2013 15:25:14	03/12/2013 15:26:59	Tracked / Rejected
	✓	03/12/2013 15:26:59	03/12/2013 15:30:59	Tracked / Used
	✗	03/12/2013 15:30:59	03/12/2013 15:31:14	No data
	✓	03/12/2013 15:31:14	03/12/2013 15:40:29	Tracked / Used
	✗	03/12/2013 15:40:29	03/12/2013 15:40:59	Tracked / Rejected
	✓	03/12/2013 15:40:59	03/12/2013 15:45:14	Tracked / Used
	✗	03/12/2013 15:45:14	03/12/2013 15:45:29	Tracked / Rejected
	✓	03/12/2013 15:45:29	03/12/2013 15:49:29	Tracked / Used
	✗	03/12/2013 15:49:29	03/12/2013 15:49:44	No data
	✗	03/12/2013 15:49:44	03/12/2013 15:52:29	Tracked / Rejected
	✓	03/12/2013 15:52:29	03/12/2013 15:52:59	Tracked / Used
	✗	03/12/2013 15:52:59	03/12/2013 15:53:14	No data
	✓	03/12/2013 15:53:14	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 16:06:44	Tracked / Rejected
G11	✗	03/12/2013 13:34:14	03/12/2013 13:37:14	No data
	✗	03/12/2013 13:37:14	03/12/2013 13:44:44	Tracked / Rejected
	✗	03/12/2013 13:44:44	03/12/2013 13:44:59	No data
	✗	03/12/2013 13:44:59	03/12/2013 13:48:29	Tracked / Rejected
	✓	03/12/2013 13:48:29	03/12/2013 13:56:14	Tracked / Used
	✗	03/12/2013 13:56:14	03/12/2013 14:00:29	Tracked / Rejected
	✗	03/12/2013 14:00:29	03/12/2013 14:00:44	No data
	✓	03/12/2013 14:00:44	03/12/2013 14:06:59	Tracked / Used
	✗	03/12/2013 14:06:59	03/12/2013 14:07:14	No data
	✗	03/12/2013 14:07:14	03/12/2013 14:08:29	Tracked / Rejected
	✓	03/12/2013 14:08:29	03/12/2013 14:14:14	Tracked / Used
	✗	03/12/2013 14:14:14	03/12/2013 14:15:14	Tracked / Rejected
	✗	03/12/2013 14:15:14	03/12/2013 14:15:29	No data
	✗	03/12/2013 14:15:29	03/12/2013 14:18:29	Tracked / Rejected
	✓	03/12/2013 14:18:29	03/12/2013 14:20:44	Tracked / Used
	✗	03/12/2013 14:20:44	03/12/2013 14:21:29	Tracked / Rejected
	✓	03/12/2013 14:21:29	03/12/2013 14:27:29	Tracked / Used
		03/12/2013 14:27:29	03/12/2013 14:27:44	No data

	✗			
	✓	03/12/2013 14:27:44	03/12/2013 14:31:44	Tracked / Used
	✗	03/12/2013 14:31:44	03/12/2013 14:36:29	Tracked / Rejected
	✗	03/12/2013 14:36:29	03/12/2013 14:36:44	No data
	✓	03/12/2013 14:36:44	03/12/2013 14:43:14	Tracked / Used
	✗	03/12/2013 14:43:14	03/12/2013 14:44:29	Tracked / Rejected
	✗	03/12/2013 14:44:29	03/12/2013 14:44:44	No data
	✗	03/12/2013 14:44:44	03/12/2013 14:49:59	Tracked / Rejected
	✓	03/12/2013 14:49:59	03/12/2013 14:53:14	Tracked / Used
	✗	03/12/2013 14:53:14	03/12/2013 14:53:59	Tracked / Rejected
	✗	03/12/2013 14:53:59	03/12/2013 14:54:14	No data
	✗	03/12/2013 14:54:14	03/12/2013 15:01:29	Tracked / Rejected
	✗	03/12/2013 15:01:29	03/12/2013 15:01:44	No data
	✗	03/12/2013 15:01:44	03/12/2013 15:03:14	Tracked / Rejected
	✗	03/12/2013 15:03:14	03/12/2013 16:06:44	No data
G12	✓	03/12/2013 13:34:14	03/12/2013 13:41:29	Tracked / Used
	✗	03/12/2013 13:41:29	03/12/2013 13:41:44	Tracked / Rejected
	✗	03/12/2013 13:41:44	03/12/2013 13:41:59	No data
	✓	03/12/2013 13:41:59	03/12/2013 14:12:44	Tracked / Used
	✗	03/12/2013 14:12:44	03/12/2013 14:12:59	Tracked / Rejected
	✗	03/12/2013 14:12:59	03/12/2013 16:06:44	No data
G14	✓	03/12/2013 13:34:14	03/12/2013 15:51:59	Tracked / Used
	✗	03/12/2013 15:51:59	03/12/2013 15:56:29	Tracked / Rejected
	✓	03/12/2013 15:56:29	03/12/2013 15:56:44	Tracked / Used
	✗	03/12/2013 15:56:44	03/12/2013 15:57:44	Tracked / Rejected
	✓	03/12/2013 15:57:44	03/12/2013 15:57:59	Tracked / Used
	✗	03/12/2013 15:57:59	03/12/2013 15:58:14	No data
	✗	03/12/2013 15:58:14	03/12/2013 16:01:44	Tracked / Rejected
	✓	03/12/2013 16:01:44	03/12/2013 16:04:29	Tracked / Used
	✗	03/12/2013 16:04:29	03/12/2013 16:06:44	Tracked / Rejected
G16	✗	03/12/2013 13:34:14	03/12/2013 15:27:14	No data
	✓	03/12/2013 15:27:14	03/12/2013 15:37:59	Tracked / Used
	✗	03/12/2013 15:37:59	03/12/2013 15:38:29	No data
	✗	03/12/2013 15:38:29	03/12/2013 15:38:44	Tracked / Rejected
	✓	03/12/2013 15:38:44	03/12/2013 16:06:44	Tracked / Used
G18	✓	03/12/2013 13:34:14	03/12/2013 13:58:59	Tracked / Used
	✗	03/12/2013 13:58:59	03/12/2013 13:59:14	No data
	✗	03/12/2013 13:59:14	03/12/2013 14:00:44	Tracked / Rejected
	✓	03/12/2013 14:00:44	03/12/2013 14:34:59	Tracked / Used
	✗	03/12/2013 14:34:59	03/12/2013 14:35:14	Tracked / Rejected
	✓	03/12/2013 14:35:14	03/12/2013 14:41:59	Tracked / Used
	✗	03/12/2013 14:41:59	03/12/2013 14:42:14	Tracked / Rejected
	✓	03/12/2013 14:42:14	03/12/2013 14:52:14	Tracked / Used
	✗	03/12/2013 14:52:14	03/12/2013 14:52:29	Tracked / Rejected
	✗	03/12/2013 14:52:29	03/12/2013 16:06:44	No data
G20	✗	03/12/2013 13:34:14	03/12/2013 15:08:29	No data
	✗	03/12/2013 15:08:29	03/12/2013 15:08:44	Tracked / Rejected
	✗	03/12/2013 15:08:44	03/12/2013 15:19:29	No data
	✓	03/12/2013 15:19:29	03/12/2013 16:06:44	Tracked / Used
G22	✓	03/12/2013 13:34:14	03/12/2013 15:11:29	Tracked / Used

G25	✗	03/12/2013 15:11:29	03/12/2013 15:11:59	Tracked / Rejected
	✗	03/12/2013 15:11:59	03/12/2013 15:13:14	No data
	✗	03/12/2013 15:13:14	03/12/2013 15:14:14	Tracked / Rejected
	✓	03/12/2013 15:14:14	03/12/2013 15:16:44	Tracked / Used
	✗	03/12/2013 15:16:44	03/12/2013 15:16:59	No data
	✗	03/12/2013 15:16:59	03/12/2013 15:23:44	Tracked / Rejected
	✗	03/12/2013 15:23:44	03/12/2013 15:23:59	No data
	✗	03/12/2013 15:23:59	03/12/2013 15:31:29	Tracked / Rejected
	✗	03/12/2013 15:31:29	03/12/2013 15:35:44	No data
	✗	03/12/2013 15:35:44	03/12/2013 15:37:14	Tracked / Rejected
	✓	03/12/2013 15:37:14	03/12/2013 15:38:59	Tracked / Used
	✗	03/12/2013 15:38:59	03/12/2013 15:42:59	No data
	✗	03/12/2013 15:42:59	03/12/2013 15:46:44	Tracked / Rejected
	✗	03/12/2013 15:46:44	03/12/2013 15:49:29	No data
	✗	03/12/2013 15:49:29	03/12/2013 15:54:29	Tracked / Rejected
	✗	03/12/2013 15:54:29	03/12/2013 15:55:29	No data
	✗	03/12/2013 15:55:29	03/12/2013 15:55:44	Tracked / Rejected
	✓	03/12/2013 15:55:44	03/12/2013 15:58:14	Tracked / Used
	✗	03/12/2013 15:58:14	03/12/2013 15:59:59	Tracked / Rejected
	✗	03/12/2013 15:59:59	03/12/2013 16:00:14	No data
	✗	03/12/2013 16:00:14	03/12/2013 16:00:44	Tracked / Rejected
	✗	03/12/2013 16:00:44	03/12/2013 16:02:59	No data
	✗	03/12/2013 16:02:59	03/12/2013 16:03:44	Tracked / Rejected
	✗	03/12/2013 16:03:44	03/12/2013 16:04:44	No data
	✗	03/12/2013 16:04:44	03/12/2013 16:05:14	Tracked / Rejected
	✗	03/12/2013 16:05:14	03/12/2013 16:06:44	No data
	✗	03/12/2013 13:34:14	03/12/2013 13:37:14	No data
	✗	03/12/2013 13:37:14	03/12/2013 13:37:29	Tracked / Rejected
	✓	03/12/2013 13:37:29	03/12/2013 13:42:44	Tracked / Used
	✗	03/12/2013 13:42:44	03/12/2013 13:46:29	No data
	✓	03/12/2013 13:46:29	03/12/2013 13:52:14	Tracked / Used
	✗	03/12/2013 13:52:14	03/12/2013 13:53:29	No data
	✗	03/12/2013 13:53:29	03/12/2013 13:54:59	Tracked / Rejected
	✗	03/12/2013 13:54:59	03/12/2013 13:55:14	No data
	✗	03/12/2013 13:55:14	03/12/2013 13:55:29	Tracked / Rejected
	✗	03/12/2013 13:55:29	03/12/2013 13:55:44	No data
	✗	03/12/2013 13:55:44	03/12/2013 13:56:44	Tracked / Rejected
	✗	03/12/2013 13:56:44	03/12/2013 13:56:59	No data
	✗	03/12/2013 13:56:59	03/12/2013 13:57:14	Tracked / Rejected
	✗	03/12/2013 13:57:14	03/12/2013 13:57:29	No data
	✗	03/12/2013 13:57:29	03/12/2013 13:57:59	Tracked / Rejected
	✗	03/12/2013 13:57:59	03/12/2013 14:09:59	No data
	✗	03/12/2013 14:09:59	03/12/2013 14:10:14	Tracked / Rejected
	✓	03/12/2013 14:10:14	03/12/2013 15:52:29	Tracked / Used
	✗	03/12/2013 15:52:29	03/12/2013 15:52:44	Tracked / Rejected
	✗	03/12/2013 15:52:44	03/12/2013 16:06:44	No data
G30	✗	03/12/2013 13:34:14	03/12/2013 14:25:29	No data
	✓	03/12/2013 14:25:29	03/12/2013 14:29:29	Tracked / Used
	✗	03/12/2013 14:29:29	03/12/2013 14:35:14	Tracked / Rejected
	✗	03/12/2013 14:35:14	03/12/2013 14:37:14	No data

	✗	03/12/2013 14:37:14	03/12/2013 14:37:29	Tracked / Rejected
	✗	03/12/2013 14:37:29	03/12/2013 14:37:44	No data
	✗	03/12/2013 14:37:44	03/12/2013 14:38:14	Tracked / Rejected
	✓	03/12/2013 14:38:14	03/12/2013 14:39:59	Tracked / Used
	✗	03/12/2013 14:39:59	03/12/2013 14:43:29	Tracked / Rejected
	✗	03/12/2013 14:43:29	03/12/2013 14:43:59	No data
	✗	03/12/2013 14:43:59	03/12/2013 14:46:29	Tracked / Rejected
	✗	03/12/2013 14:46:29	03/12/2013 14:47:14	No data
	✗	03/12/2013 14:47:14	03/12/2013 14:47:44	Tracked / Rejected
	✓	03/12/2013 14:47:44	03/12/2013 14:51:29	Tracked / Used
	✗	03/12/2013 14:51:29	03/12/2013 14:53:59	No data
	✗	03/12/2013 14:53:59	03/12/2013 14:56:14	Tracked / Rejected
	✓	03/12/2013 14:56:14	03/12/2013 15:01:59	Tracked / Used
	✗	03/12/2013 15:01:59	03/12/2013 15:02:29	Tracked / Rejected
	✗	03/12/2013 15:02:29	03/12/2013 15:06:59	No data
	✗	03/12/2013 15:06:59	03/12/2013 15:08:59	Tracked / Rejected
	✗	03/12/2013 15:08:59	03/12/2013 15:09:14	No data
	✗	03/12/2013 15:09:14	03/12/2013 15:09:29	Tracked / Rejected
	✗	03/12/2013 15:09:29	03/12/2013 15:14:14	No data
	✗	03/12/2013 15:14:14	03/12/2013 15:16:14	Tracked / Rejected
	✓	03/12/2013 15:16:14	03/12/2013 15:18:44	Tracked / Used
	✗	03/12/2013 15:18:44	03/12/2013 15:19:44	Tracked / Rejected
	✗	03/12/2013 15:19:44	03/12/2013 15:22:14	No data
	✗	03/12/2013 15:22:14	03/12/2013 15:23:14	Tracked / Rejected
	✓	03/12/2013 15:23:14	03/12/2013 15:30:59	Tracked / Used
	✗	03/12/2013 15:30:59	03/12/2013 15:52:29	Tracked / Rejected
	✓	03/12/2013 15:52:29	03/12/2013 15:58:29	Tracked / Used
	✗	03/12/2013 15:58:29	03/12/2013 15:59:44	No data
	✗	03/12/2013 15:59:44	03/12/2013 15:59:59	Tracked / Rejected
	✓	03/12/2013 15:59:59	03/12/2013 16:06:44	Tracked / Used
G31	✓	03/12/2013 13:34:14	03/12/2013 16:06:44	Tracked / Used
G32	✗	03/12/2013 13:34:14	03/12/2013 14:11:44	No data
	✓	03/12/2013 14:11:44	03/12/2013 16:06:44	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 143
 Number of fixed GPS ambiguities: 83
 Number of independent fixes: 132
 Avg. time between independent fixes: 15"

Percentage of fixed epochs (L1): 94%
 Percentage of fixed epochs (L2): 94%
 Percentage of fixed epochs (overall): 96%

Overall Statistic:

Status	From	To	Duration
Fixed	03/12/2013 13:34:14	03/12/2013 15:52:29	2h 18' 15"
Not fixed	03/12/2013 15:52:29	03/12/2013 15:58:29	6' 00"
Fixed	03/12/2013 15:58:29	03/12/2013 16:06:44	8' 15"

Cycle Slip Statistics

Total number of cycle slips: 39

Time	Satellite	Frequency	Slip value	Flags
03/12/2013 13:38:14	G11	L1	-	ucs + ria
03/12/2013 13:38:14	G11	L2	-	ucs + ria
03/12/2013 13:41:29	G12	L1	-	flagged
03/12/2013 13:48:29	G11	L1	-	ucs + ria
03/12/2013 13:48:29	G11	L2	-	ucs + ria
03/12/2013 13:54:29	G11	L1	-6.00	flagged
03/12/2013 13:54:29	G11	L2	-18.00	flagged
03/12/2013 14:00:29	G18	L1	-	ria
03/12/2013 14:14:14	G11	L1	2.00	flagged
03/12/2013 14:14:14	G11	L2	9.00	flagged
03/12/2013 14:20:44	G11	L1	-	ucs + ria
03/12/2013 14:20:44	G11	L2	-	ucs + ria
03/12/2013 14:30:29	G11	L2	-	ucs + ria
03/12/2013 14:31:44	G11	L1	2.00	flagged
03/12/2013 14:31:44	G30	L1	-	flagged
03/12/2013 14:31:44	G11	L2	-2.00	flagged
03/12/2013 14:34:59	G18	L1	-	ria
03/12/2013 14:41:59	G18	L1	-	ria
03/12/2013 14:41:59	G18	L2	-	ria
03/12/2013 14:42:14	G18	L1	-	ria
03/12/2013 14:42:14	G30	L1	-	ria
03/12/2013 14:42:14	G18	L2	-	ria
03/12/2013 14:43:14	G11	L1	8.00	flagged
03/12/2013 14:43:14	G11	L2	-1.00	flagged
03/12/2013 14:53:14	G11	L1	3.00	flagged
03/12/2013 14:53:14	G11	L2	1.00	flagged
03/12/2013 14:54:29	G30	L1	-	ria
03/12/2013 15:01:59	G30	L1	-	ria
03/12/2013 15:18:14	G01	L1	-19.00	flagged
03/12/2013 15:18:14	G01	L2	-13.00	flagged
03/12/2013 15:18:44	G30	L1	1.00	flagged
03/12/2013 15:19:14	G30	L1	-	flagged
03/12/2013 15:20:29	G01	L1	1.00	flagged
03/12/2013 15:20:29	G01	L2	-9.00	flagged
03/12/2013 15:30:59	G30	L1	-	flagged
03/12/2013 15:40:29	G01	L1	7.00	flagged
03/12/2013 15:40:29	G01	L2	-5.00	flagged
03/12/2013 15:40:59	G01	L1	-	ucs + ria
03/12/2013 15:40:59	G01	L2	-	ucs + ria

Final Coordinates

	Reference: G358	Rover: 501
Coordinates:		
Latitude:	29° 27' 38.86109" N	29° 17' 46.72849" N
Longitude:	90° 18' 31.16528" W	90° 14' 00.84944" W
Ellip. Hgt:	-23.95703 m	-23.48884 m

Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00082 m Posn. Qlty: 0.00110 m	Sd. Lon: 0.00073 m Sd. Slope: 0.00078 m	Sd. Hgt: 0.00178 m
M0:	0.54215 m		
Cofactor matrix Qxx:	0.00000227	0.00000024 0.00000182	0.00000027 0.00000035 0.00001077
Baseline vector:	dLat: -0° 09' 52.13260" Slope: 19634.69185 m	dLon: 0° 04' 30.31584"	dHgt: 0.46818 m
DOPs (min-max):	GDOP: 1.9 - 6.1 PDOP: 1.7 - 5.1	HDOP: 0.8 - 3.4	VDOP: 1.5 - 4.2
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

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Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:12

Point Information

	Reference: J370	Rover: 161
Receiver type / S/N:	SR530 / 34012	SR530 / 30486
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.29600 m	1.20800 m
Initial coordinates:		
Latitude:	29° 19' 02.27859" N	29° 13' 21.78353" N
Longitude:	89° 23' 17.79708" W	89° 23' 35.09377" W
Ellip. Hgt:	-25.29303 m	-25.36179 m
Time span:	03/14/2013 07:02:24 - 03/14/2013 09:34:04	
Duration:	2h 31' 40"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 19' 02.27859" N
 Longitude: 89° 23' 17.79708" W
 Time (UT): 03/14/2013 11:42:19

Validity: From epoch: 03/14/2013 06:42:19
 To epoch: 03/14/2013 10:34:47

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.53548771	0.01516210
	0	1	1.59973636	0.01265838
	0	2	-0.34792842	0.00522836
	1	0	0.09561518	0.01041731
	1	1	-0.24791691	0.00635636

Antenna Information

	Reference: J370	Rover: 161
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1821

GPS:

Number of used observations (L1): 12764
 Number of rejected observations (L1): 24
 Number of used observations (L2): 12142
 Number of rejected observations (L2): 22

Tracking Status GPS L1:

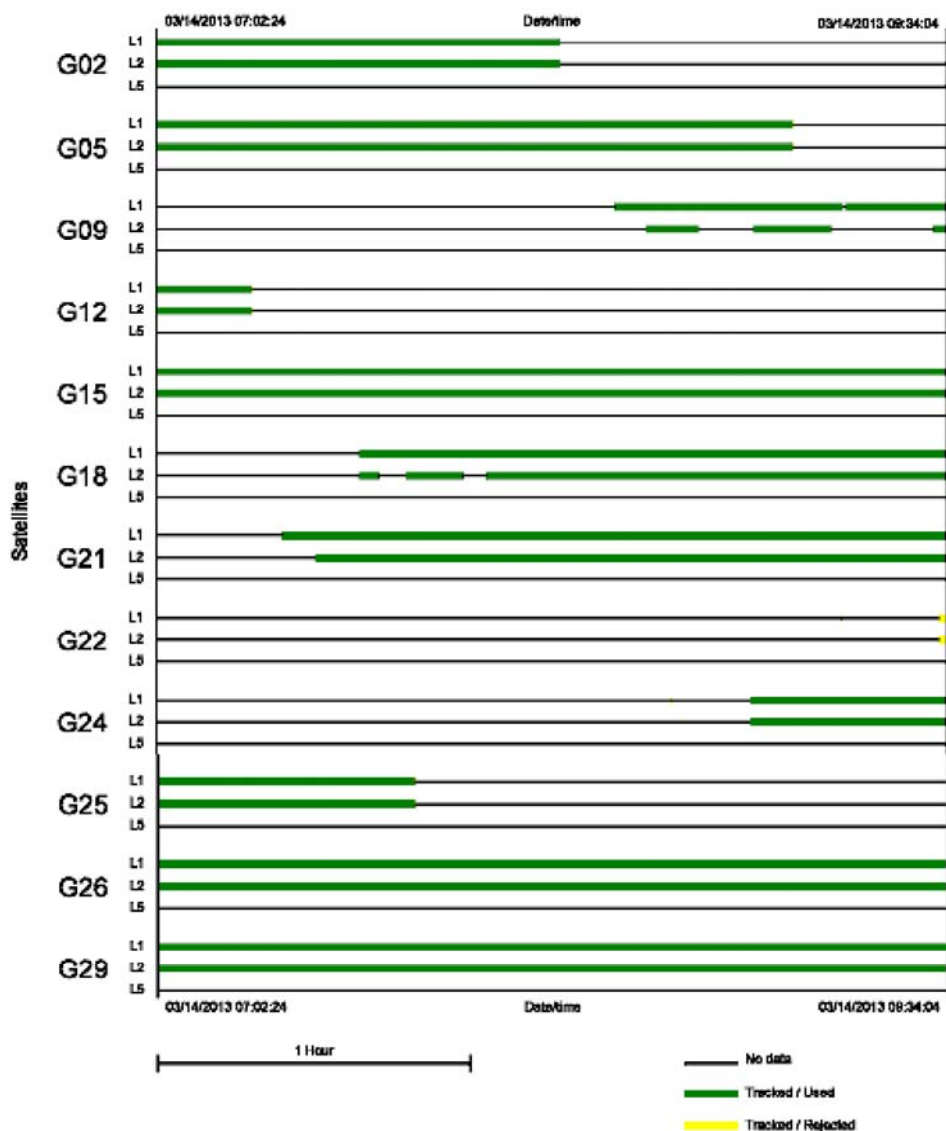
Satellite		From	To	Status
G02	✓	03/14/2013 07:02:24	03/14/2013 08:19:44	Tracked / Used
	✗	03/14/2013 08:19:44	03/14/2013 08:19:49	Tracked / Rejected
	✗	03/14/2013 08:19:49	03/14/2013 09:34:04	No data
G05	✓	03/14/2013 07:02:24	03/14/2013 09:04:29	Tracked / Used
	✗	03/14/2013 09:04:29	03/14/2013 09:04:34	Tracked / Rejected
	✗	03/14/2013 09:04:34	03/14/2013 09:34:04	No data
G09	✗	03/14/2013 07:02:24	03/14/2013 08:30:19	No data
	✓	03/14/2013 08:30:19	03/14/2013 09:14:04	Tracked / Used
	✗	03/14/2013 09:14:04	03/14/2013 09:14:39	No data
	✓	03/14/2013 09:14:39	03/14/2013 09:34:04	Tracked / Used
G12	✓	03/14/2013 07:02:24	03/14/2013 07:20:39	Tracked / Used
	✗	03/14/2013 07:20:39	03/14/2013 07:20:44	Tracked / Rejected
	✗	03/14/2013 07:20:44	03/14/2013 09:34:04	No data
G15	✓	03/14/2013 07:02:24	03/14/2013 09:34:04	Tracked / Used
G18	✗	03/14/2013 07:02:24	03/14/2013 07:41:19	No data
	✓	03/14/2013 07:41:19	03/14/2013 09:34:04	Tracked / Used
G21	✗	03/14/2013 07:02:24	03/14/2013 07:26:34	No data
	✓	03/14/2013 07:26:34	03/14/2013 09:34:04	Tracked / Used
G22	✗	03/14/2013 07:02:24	03/14/2013 09:13:39	No data
	✗	03/14/2013 09:13:39	03/14/2013 09:13:44	Tracked / Rejected
	✗	03/14/2013 09:13:44	03/14/2013 09:32:39	No data
	✗	03/14/2013 09:32:39	03/14/2013 09:34:04	Tracked / Rejected
G24	✗	03/14/2013 07:02:24	03/14/2013 08:41:14	No data
	✗	03/14/2013 08:41:14	03/14/2013 08:41:19	Tracked / Rejected
	✗	03/14/2013 08:41:19	03/14/2013 08:56:24	No data
	✓	03/14/2013 08:56:24	03/14/2013 09:34:04	Tracked / Used
G25	✓	03/14/2013 07:02:24	03/14/2013 07:51:44	Tracked / Used
	✗	03/14/2013 07:51:44	03/14/2013 07:51:49	Tracked / Rejected
	✗	03/14/2013 07:51:49	03/14/2013 09:34:04	No data
G26	✓	03/14/2013 07:02:24	03/14/2013 09:34:04	Tracked / Used
G29	✓	03/14/2013 07:02:24	03/14/2013 09:34:04	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/14/2013 07:02:24	03/14/2013 08:19:44	Tracked / Used
	✗	03/14/2013 08:19:44	03/14/2013 08:19:49	Tracked / Rejected
	✗	03/14/2013 08:19:49	03/14/2013 09:34:04	No data
G05	✓	03/14/2013 07:02:24	03/14/2013 09:04:29	Tracked / Used
	✗	03/14/2013 09:04:29	03/14/2013 09:04:34	Tracked / Rejected
	✗	03/14/2013 09:04:34	03/14/2013 09:34:04	No data
G09	✗	03/14/2013 07:02:24	03/14/2013 08:36:19	No data
	✓	03/14/2013 08:36:19	03/14/2013 08:46:24	Tracked / Used
	✗	03/14/2013 08:46:24	03/14/2013 08:56:59	No data

	✓	03/14/2013 08:56:59	03/14/2013 09:11:49	Tracked / Used
	✗	03/14/2013 09:11:49	03/14/2013 09:31:29	No data
	✓	03/14/2013 09:31:29	03/14/2013 09:34:04	Tracked / Used
G12	✓	03/14/2013 07:02:24	03/14/2013 07:20:39	Tracked / Used
	✗	03/14/2013 07:20:39	03/14/2013 07:20:44	Tracked / Rejected
	✗	03/14/2013 07:20:44	03/14/2013 09:34:04	No data
G15	✓	03/14/2013 07:02:24	03/14/2013 09:34:04	Tracked / Used
G18	✗	03/14/2013 07:02:24	03/14/2013 07:41:19	No data
	✓	03/14/2013 07:41:19	03/14/2013 07:44:59	Tracked / Used
	✗	03/14/2013 07:44:59	03/14/2013 07:50:14	No data
	✓	03/14/2013 07:50:14	03/14/2013 08:01:09	Tracked / Used
	✗	03/14/2013 08:01:09	03/14/2013 08:05:44	No data
	✓	03/14/2013 08:05:44	03/14/2013 09:34:04	Tracked / Used
G21	✗	03/14/2013 07:02:24	03/14/2013 07:32:54	No data
	✓	03/14/2013 07:32:54	03/14/2013 09:34:04	Tracked / Used
G22	✗	03/14/2013 07:02:24	03/14/2013 09:32:39	No data
	✗	03/14/2013 09:32:39	03/14/2013 09:34:04	Tracked / Rejected
G24	✗	03/14/2013 07:02:24	03/14/2013 08:56:24	No data
	✓	03/14/2013 08:56:24	03/14/2013 09:34:04	Tracked / Used
G25	✓	03/14/2013 07:02:24	03/14/2013 07:51:44	Tracked / Used
	✗	03/14/2013 07:51:44	03/14/2013 07:51:49	Tracked / Rejected
	✗	03/14/2013 07:51:49	03/14/2013 09:34:04	No data
G26	✓	03/14/2013 07:02:24	03/14/2013 09:34:04	Tracked / Used
G29	✓	03/14/2013 07:02:24	03/14/2013 09:34:04	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	33
Number of fixed GPS ambiguities:	29
Number of independent fixes:	797
Avg. time between independent fixes:	5"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/14/2013 07:02:24	03/14/2013 09:34:04	2h 31' 40"

Cycle Slip Statistics

Total number of cycle slips: 2

Time	Satellite	Frequency	Slip value	Flags
03/14/2013 08:40:34	G09	L1	-	ria
03/14/2013 08:40:34	G09	L2	-	ria

Final Coordinates

	Reference:J370	Rover:161	
Coordinates:			
Latitude:	29° 19' 02.27859" N	29° 13' 21.74197" N	
Longitude:	89° 23' 17.79708" W	89° 23' 35.06249" W	
Ellip. Hgt:	-25.29303 m	-23.21742 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00013 m Posn. Qlty: 0.00017 m	Sd. Lon: 0.00011 m Sd. Slope: 0.00013 m	Sd. Hgt: 0.00030 m
M0:	0.65979 m		
Cofactor matrix Qxx:	0.00000004	-0.00000000 0.00000003	0.00000001 0.00000000 0.00000021
Baseline vector:	dLat: -0° 05' 40.53662" Slope: 10495.07973 m	dLon: -0° 00' 17.26541"	dHgt: 2.07561 m
DOPs (min-max):	GDOP: 2.1 - 5.0 PDOP: 1.8 - 4.2	HDOP: 1.0 - 2.0	VDOP: 1.5 - 4.0
Number of used satellites:	GPS: 11 GLONASS: -		

Results - Baseline

J370 - 162

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:10

Point Information

	Reference: J370	Rover: 162
Receiver type / S/N:	SR530 / 34012	SR530 / 34472
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.29600 m	1.28100 m
Initial coordinates:		
Latitude:	29° 19' 02.27859" N	29° 13' 26.04237" N
Longitude:	89° 23' 17.79708" W	89° 23' 31.61639" W
Ellip. Hgt:	-25.29303 m	-24.93897 m
Time span:	03/14/2013 06:53:14 - 03/14/2013 09:38:54	
Duration:	2h 45' 40"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 19' 02.27859" N
 Longitude: 89° 23' 17.79708" W
 Time (UT): 03/14/2013 11:42:19

Validity: From epoch: 03/14/2013 06:42:19
 To epoch: 03/14/2013 10:34:47

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.53548771	0.01516210
	0	1	1.59973636	0.01265838
	0	2	-0.34792842	0.00522836
	1	0	0.09561518	0.01041731
	1	1	-0.24791691	0.00635636

Antenna Information

	Reference: J370	Rover: 162
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1989

GPS:

Number of used observations (L1): 13988
 Number of rejected observations (L1): 4
 Number of used observations (L2): 13971
 Number of rejected observations (L2): 4

Tracking Status GPS L1:

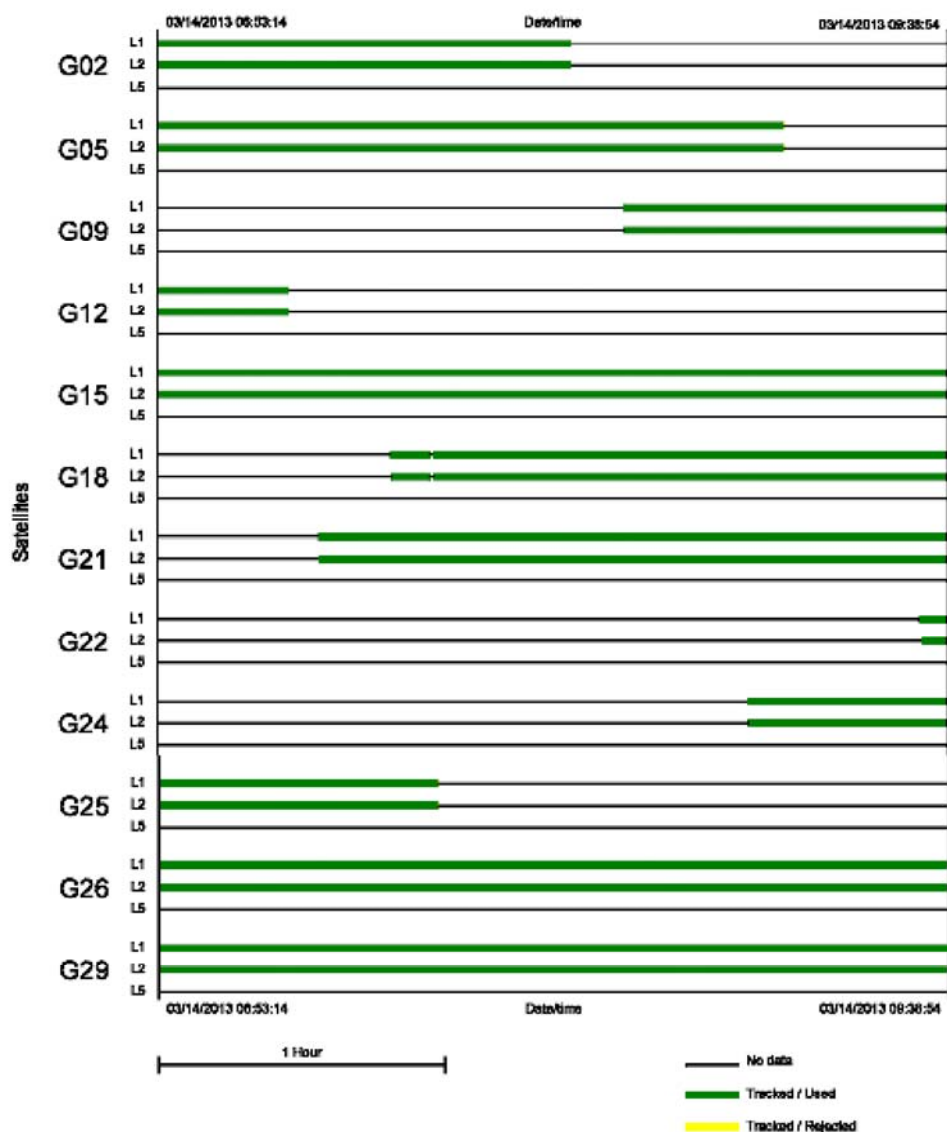
Satellite		From	To	Status
G02	✓	03/14/2013 06:53:14	03/14/2013 08:19:44	Tracked / Used
	✗	03/14/2013 08:19:44	03/14/2013 08:19:49	Tracked / Rejected
	✗	03/14/2013 08:19:49	03/14/2013 09:38:54	No data
G05	✓	03/14/2013 06:53:14	03/14/2013 09:04:29	Tracked / Used
	✗	03/14/2013 09:04:29	03/14/2013 09:04:34	Tracked / Rejected
	✗	03/14/2013 09:04:34	03/14/2013 09:38:54	No data
G09	✗	03/14/2013 06:53:14	03/14/2013 08:30:54	No data
	✓	03/14/2013 08:30:54	03/14/2013 09:38:54	Tracked / Used
G12	✓	03/14/2013 06:53:14	03/14/2013 07:20:39	Tracked / Used
	✗	03/14/2013 07:20:39	03/14/2013 07:20:44	Tracked / Rejected
	✗	03/14/2013 07:20:44	03/14/2013 09:38:54	No data
G15	✓	03/14/2013 06:53:14	03/14/2013 09:38:54	Tracked / Used
G18	✗	03/14/2013 06:53:14	03/14/2013 07:41:59	No data
	✓	03/14/2013 07:41:59	03/14/2013 07:50:24	Tracked / Used
	✗	03/14/2013 07:50:24	03/14/2013 07:50:59	No data
	✓	03/14/2013 07:50:59	03/14/2013 09:38:54	Tracked / Used
G21	✗	03/14/2013 06:53:14	03/14/2013 07:26:54	No data
	✓	03/14/2013 07:26:54	03/14/2013 09:38:54	Tracked / Used
G22	✗	03/14/2013 06:53:14	03/14/2013 09:32:54	No data
	✓	03/14/2013 09:32:54	03/14/2013 09:38:54	Tracked / Used
G24	✗	03/14/2013 06:53:14	03/14/2013 08:56:54	No data
	✓	03/14/2013 08:56:54	03/14/2013 09:38:54	Tracked / Used
G25	✓	03/14/2013 06:53:14	03/14/2013 07:51:44	Tracked / Used
	✗	03/14/2013 07:51:44	03/14/2013 07:51:49	Tracked / Rejected
	✗	03/14/2013 07:51:49	03/14/2013 09:38:54	No data
G26	✓	03/14/2013 06:53:14	03/14/2013 09:38:54	Tracked / Used
G29	✓	03/14/2013 06:53:14	03/14/2013 09:38:54	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/14/2013 06:53:14	03/14/2013 08:19:44	Tracked / Used
	✗	03/14/2013 08:19:44	03/14/2013 08:19:49	Tracked / Rejected
	✗	03/14/2013 08:19:49	03/14/2013 09:38:54	No data
G05	✓	03/14/2013 06:53:14	03/14/2013 09:04:29	Tracked / Used
	✗	03/14/2013 09:04:29	03/14/2013 09:04:34	Tracked / Rejected
	✗	03/14/2013 09:04:34	03/14/2013 09:38:54	No data
G09	✗	03/14/2013 06:53:14	03/14/2013 08:31:04	No data
	✓	03/14/2013 08:31:04	03/14/2013 09:38:54	Tracked / Used
G12	✓	03/14/2013 06:53:14	03/14/2013 07:20:39	Tracked / Used
	✗	03/14/2013 07:20:39	03/14/2013 07:20:44	Tracked / Rejected
	✗	03/14/2013 07:20:44	03/14/2013 09:38:54	No data
G15	✓	03/14/2013 06:53:14	03/14/2013 09:38:54	Tracked / Used
G18	✗	03/14/2013 06:53:14	03/14/2013 07:42:14	No data

	✓	03/14/2013 07:42:14	03/14/2013 07:50:24	Tracked / Used
	✗	03/14/2013 07:50:24	03/14/2013 07:51:09	No data
	✓	03/14/2013 07:51:09	03/14/2013 09:38:54	Tracked / Used
G21	✗	03/14/2013 06:53:14	03/14/2013 07:27:04	No data
	✓	03/14/2013 07:27:04	03/14/2013 09:38:54	Tracked / Used
G22	✗	03/14/2013 06:53:14	03/14/2013 09:33:24	No data
	✓	03/14/2013 09:33:24	03/14/2013 09:38:54	Tracked / Used
G24	✗	03/14/2013 06:53:14	03/14/2013 08:57:04	No data
	✓	03/14/2013 08:57:04	03/14/2013 09:38:54	Tracked / Used
G25	✓	03/14/2013 06:53:14	03/14/2013 07:51:44	Tracked / Used
	✗	03/14/2013 07:51:44	03/14/2013 07:51:49	Tracked / Rejected
	✗	03/14/2013 07:51:49	03/14/2013 09:38:54	No data
G26	✓	03/14/2013 06:53:14	03/14/2013 09:38:54	Tracked / Used
G29	✓	03/14/2013 06:53:14	03/14/2013 09:38:54	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 26
 Number of fixed GPS ambiguities: 26
 Number of independent fixes: 871
 Avg. time between independent fixes: 5"

 Percentage of fixed epochs (L1): 100%
 Percentage of fixed epochs (L2): 100%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/14/2013 06:53:14	03/14/2013 09:38:54	2h 45' 40"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference: J370	Rover: 162	
Coordinates:			
Latitude:	29° 19' 02.27859" N	29° 13' 26.00480" N	
Longitude:	89° 23' 17.79708" W	89° 23' 31.58301" W	
Ellip. Hgt:	-25.29303 m	-23.14313 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00012 m Posn. Qlty: 0.00016 m	Sd. Lon: 0.00010 m Sd. Slope: 0.00012 m	Sd. Hgt: 0.00029 m
M0:	0.66475 m		
Cofactor matrix Qxx:	0.00000003	-0.00000000 0.00000002	0.00000000 0.00000000 0.00000019
Baseline vector:	dLat: -0° 05' 36.27379" Slope: 10360.16506 m	dLon: -0° 00' 13.78593"	dHgt: 2.14990 m
DOPs (min-max):	GDOP: 2.1 - 5.6 PDOP: 1.8 - 4.7	HDOP: 0.9 - 2.0	VDOP: 1.5 - 4.5
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

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Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:13

Point Information

	Reference: J370	Rover: 173
Receiver type / S/N:	SR530 / 34012	SR530 / 30486
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.29600 m	1.23800 m
Initial coordinates:		
Latitude:	29° 19' 02.27859" N	29° 16' 53.49474" N
Longitude:	89° 23' 17.79708" W	89° 21' 41.17015" W
Ellip. Hgt:	-25.29303 m	-28.50951 m
Time span:	03/14/2013 11:02:49 - 03/14/2013 13:42:44	
Duration:	2h 39' 55"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs):	None
Manually disabled GLONASS satellites (Slot Id):	None
Manually disabled Galileo satellites:	None

Computed Iono Model

Number of computed models:	2
Sampling rate of iono model:	30 sec
Height of single layer:	350 km

Model 1:

Origin of development:	Latitude:	29° 19' 02.27859" N
	Longitude:	89° 23' 17.79708" W
	Time (UT):	03/14/2013 11:42:19

Validity:	From epoch:	03/14/2013 06:42:19
	To epoch:	03/14/2013 10:34:47

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.53548771	0.01516210
	0	1	1.59973636	0.01265838
	0	2	-0.34792842	0.00522836
	1	0	0.09561518	0.01041731
	1	1	-0.24791691	0.00635636

Model 2:

Origin of development:	Latitude:	29° 19' 02.27859" N
	Longitude:	89° 23' 17.79708" W
	Time (UT):	03/14/2013 15:34:47

Validity:	From epoch:	03/14/2013 10:34:47
	To epoch:	03/14/2013 14:27:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	2.65551648	0.01355299
	0	1	0.59678316	0.00936546
	0	2	-0.01833762	0.00415787
	1	0	-0.62197264	0.00839703
	1	1	0.04491773	0.00580240

Antenna Information

	Reference: J370	Rover: 173
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

North: 0.00000 m 0.00000 m 0.00000 m 0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1918

GPS:

Number of used observations (L1): 12049

Number of rejected observations (L1): 115

Number of used observations (L2): 11957

Number of rejected observations (L2): 110

Tracking Status GPS L1:

Satellite		From	To	Status
G01	✗	03/14/2013 11:02:49	03/14/2013 13:39:49	No data
	✗	03/14/2013 13:39:49	03/14/2013 13:39:54	Tracked / Rejected
	✗	03/14/2013 13:39:54	03/14/2013 13:42:44	No data
G06	✓	03/14/2013 11:02:49	03/14/2013 11:49:14	Tracked / Used
	✗	03/14/2013 11:49:14	03/14/2013 11:49:19	Tracked / Rejected
	✗	03/14/2013 11:49:19	03/14/2013 13:42:44	No data
G11	✗	03/14/2013 11:02:49	03/14/2013 13:05:54	No data
	✗	03/14/2013 13:05:54	03/14/2013 13:05:59	Tracked / Rejected
	✗	03/14/2013 13:05:59	03/14/2013 13:33:59	No data
G12	✗	03/14/2013 13:33:59	03/14/2013 13:42:44	Tracked / Rejected
	✗	03/14/2013 11:02:49	03/14/2013 12:16:44	No data
	✗	03/14/2013 12:16:44	03/14/2013 12:16:49	Tracked / Rejected
G14	✗	03/14/2013 12:16:49	03/14/2013 12:44:09	No data
	✓	03/14/2013 12:44:09	03/14/2013 13:42:44	Tracked / Used
	✓	03/14/2013 11:02:49	03/14/2013 13:42:44	Tracked / Used
G15	✓	03/14/2013 11:02:49	03/14/2013 11:28:19	Tracked / Used
	✗	03/14/2013 11:28:19	03/14/2013 11:28:24	Tracked / Rejected
	✗	03/14/2013 11:28:24	03/14/2013 13:42:44	No data
G18	✓	03/14/2013 11:02:49	03/14/2013 13:42:44	Tracked / Used
G21	✓	03/14/2013 11:02:49	03/14/2013 13:14:14	Tracked / Used
	✗	03/14/2013 13:14:14	03/14/2013 13:14:19	Tracked / Rejected
	✗	03/14/2013 13:14:19	03/14/2013 13:42:44	No data
G22	✓	03/14/2013 11:02:49	03/14/2013 12:04:39	Tracked / Used
	✗	03/14/2013 12:04:39	03/14/2013 12:04:49	No data
	✓	03/14/2013 12:04:49	03/14/2013 12:43:09	Tracked / Used
G24	✗	03/14/2013 12:43:09	03/14/2013 12:43:14	No data
	✓	03/14/2013 12:43:14	03/14/2013 13:42:44	Tracked / Used
	✓	03/14/2013 11:02:49	03/14/2013 12:57:19	Tracked / Used

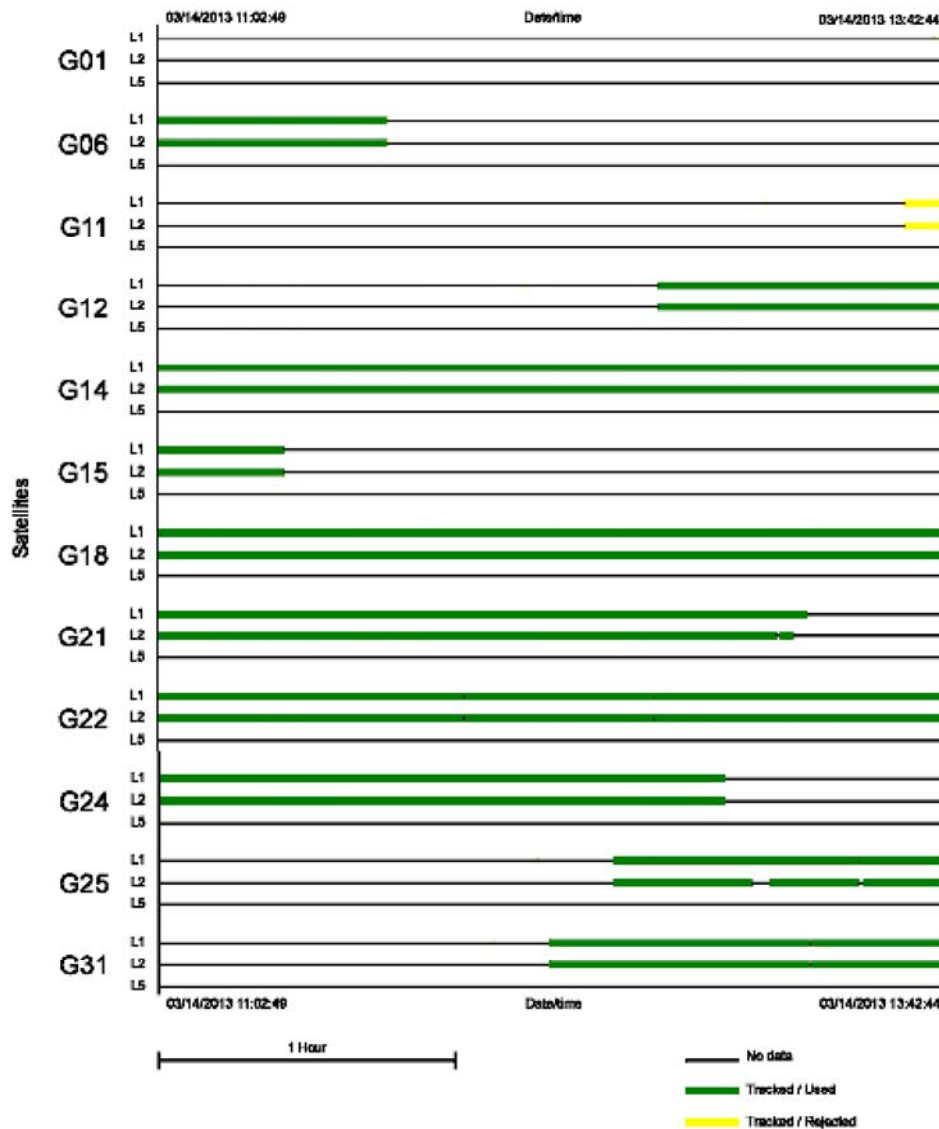
G25	✗	03/14/2013 12:57:19	03/14/2013 12:57:24	Tracked / Rejected
	✗	03/14/2013 12:57:24	03/14/2013 13:42:44	No data
	✗	03/14/2013 11:02:49	03/14/2013 12:19:39	No data
	✗	03/14/2013 12:19:39	03/14/2013 12:19:44	Tracked / Rejected
	✗	03/14/2013 12:19:44	03/14/2013 12:34:49	No data
G31	✓	03/14/2013 12:34:49	03/14/2013 13:24:34	Tracked / Used
	✗	03/14/2013 13:24:34	03/14/2013 13:24:39	No data
	✓	03/14/2013 13:24:39	03/14/2013 13:42:44	Tracked / Used
	✗	03/14/2013 11:02:49	03/14/2013 12:10:44	No data
	✗	03/14/2013 12:10:44	03/14/2013 12:10:49	Tracked / Rejected
	✗	03/14/2013 12:10:49	03/14/2013 12:21:54	No data
	✓	03/14/2013 12:21:54	03/14/2013 13:14:39	Tracked / Used
	✗	03/14/2013 13:14:39	03/14/2013 13:14:49	No data
	✓	03/14/2013 13:14:49	03/14/2013 13:42:44	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G06	✗	03/14/2013 11:02:49	03/14/2013 11:02:54	No data
	✓	03/14/2013 11:02:54	03/14/2013 11:49:14	Tracked / Used
	✗	03/14/2013 11:49:14	03/14/2013 11:49:19	Tracked / Rejected
	✗	03/14/2013 11:49:19	03/14/2013 13:42:44	No data
G11	✗	03/14/2013 11:02:49	03/14/2013 13:33:59	No data
	✗	03/14/2013 13:33:59	03/14/2013 13:42:44	Tracked / Rejected
G12	✗	03/14/2013 11:02:49	03/14/2013 12:44:09	No data
	✓	03/14/2013 12:44:09	03/14/2013 13:42:44	Tracked / Used
G14	✓	03/14/2013 11:02:49	03/14/2013 13:42:44	Tracked / Used
G15	✓	03/14/2013 11:02:49	03/14/2013 11:28:19	Tracked / Used
	✗	03/14/2013 11:28:19	03/14/2013 11:28:24	Tracked / Rejected
	✗	03/14/2013 11:28:24	03/14/2013 13:42:44	No data
G18	✓	03/14/2013 11:02:49	03/14/2013 13:42:44	Tracked / Used
G21	✓	03/14/2013 11:02:49	03/14/2013 13:08:09	Tracked / Used
	✗	03/14/2013 13:08:09	03/14/2013 13:08:39	No data
	✓	03/14/2013 13:08:39	03/14/2013 13:11:29	Tracked / Used
G22	✗	03/14/2013 13:11:29	03/14/2013 13:42:44	No data
	✓	03/14/2013 11:02:49	03/14/2013 12:04:39	Tracked / Used
	✗	03/14/2013 12:04:39	03/14/2013 12:04:49	No data
	✓	03/14/2013 12:04:49	03/14/2013 12:43:09	Tracked / Used
	✗	03/14/2013 12:43:09	03/14/2013 12:43:14	No data
G24	✓	03/14/2013 12:43:14	03/14/2013 13:42:44	Tracked / Used
	✓	03/14/2013 11:02:49	03/14/2013 12:57:19	Tracked / Used
	✗	03/14/2013 12:57:19	03/14/2013 12:57:24	Tracked / Rejected
	✗	03/14/2013 12:57:24	03/14/2013 13:42:44	No data
G25	✗	03/14/2013 11:02:49	03/14/2013 12:34:49	No data
	✓	03/14/2013 12:34:49	03/14/2013 13:02:54	Tracked / Used
	✗	03/14/2013 13:02:54	03/14/2013 13:06:24	No data
	✓	03/14/2013 13:06:24	03/14/2013 13:24:34	Tracked / Used
	✗	03/14/2013 13:24:34	03/14/2013 13:25:24	No data
G31	✓	03/14/2013 13:25:24	03/14/2013 13:42:44	Tracked / Used
	✗	03/14/2013 11:02:49	03/14/2013 12:21:54	No data
	✓	03/14/2013 12:21:54	03/14/2013 13:14:39	Tracked / Used
		03/14/2013 13:14:39	03/14/2013 13:14:49	No data

✗			
✗	03/14/2013 13:14:49	03/14/2013 13:14:54	Tracked / Rejected
✓	03/14/2013 13:14:54	03/14/2013 13:42:44	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	47
Number of fixed GPS ambiguities:	38
Number of independent fixes:	172
Avg. time between independent fixes:	25"
Percentage of fixed epochs (L1):	99%
Percentage of fixed epochs (L2):	99%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/14/2013 11:02:49	03/14/2013 12:04:29	1h 01' 40"
Not fixed	03/14/2013 12:04:29	03/14/2013 12:04:39	10"
Fixed	03/14/2013 12:04:39	03/14/2013 13:42:44	1h 38' 05"

Cycle Slip Statistics

Total number of cycle slips: 2

Time	Satellite	Frequency	Slip value	Flags
03/14/2013 12:04:39	G18	L1	-	ria
03/14/2013 12:04:39	G18	L2	-	ria

Final Coordinates

	Reference:J370	Rover:173	
Coordinates:			
Latitude:	29° 19' 02.27859" N	29° 16' 53.43690" N	
Longitude:	89° 23' 17.79708" W	89° 21' 41.19826" W	
Ellip. Hgt:	-25.29303 m	-25.64423 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00025 m Posn. Qlty: 0.00035 m	Sd. Lon: 0.00024 m Sd. Slope: 0.00026 m	Sd. Hgt: 0.00066 m
M0:	1.26785 m		
Cofactor matrix Qxx:	0.00000004	-0.00000000 0.00000004	-0.00000003 0.00000002 0.00000027
Baseline vector:	dLat: -0° 02' 08.84168" Slope: 4746.86753 m	dLon: 0° 01' 36.59882"	dHgt: -0.35121 m
DOPs (min-max):	GDOP: 2.4 - 7.6 PDOP: 2.1 - 6.0	HDOP: 1.2 - 1.7	VDOP: 1.7 - 5.8
Number of used satellites:	GPS: 10 GLONASS: -		

Processing Errors and Warnings

Warning Kernel: Not enough satellites to compute coordinates: 03/14/2013 12:04:29 - 03/14/2013 12:04:34

Results - Baseline

J370 - 174

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:11

Point Information

	Reference: J370	Rover: 174
Receiver type / S/N:	SR530 / 34012	SR530 / 34472
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.29600 m	1.22200 m
Initial coordinates:		
Latitude:	29° 19' 02.27859" N	29° 16' 51.24528" N
Longitude:	89° 23' 17.79708" W	89° 21' 44.19592" W
Ellip. Hgt:	-25.29303 m	-29.32112 m
Time span:	03/14/2013 11:08:09 - 03/14/2013 13:38:09	
Duration:	2h 30' 00"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs):	None
Manually disabled GLONASS satellites (Slot Id):	None
Manually disabled Galileo satellites:	None

Computed Iono Model

Number of computed models:	2
Sampling rate of iono model:	30 sec
Height of single layer:	350 km

Model 1:

Origin of development:	Latitude:	29° 19' 02.27859" N
	Longitude:	89° 23' 17.79708" W
	Time (UT):	03/14/2013 11:42:19

Validity:	From epoch:	03/14/2013 06:42:19
	To epoch:	03/14/2013 10:34:47

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.53548771	0.01516210
	0	1	1.59973636	0.01265838
	0	2	-0.34792842	0.00522836
	1	0	0.09561518	0.01041731
	1	1	-0.24791691	0.00635636

Model 2:

Origin of development:	Latitude:	29° 19' 02.27859" N
	Longitude:	89° 23' 17.79708" W
	Time (UT):	03/14/2013 15:34:47

Validity:	From epoch:	03/14/2013 10:34:47
	To epoch:	03/14/2013 14:27:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	2.65551648	0.01355299
	0	1	0.59678316	0.00936546
	0	2	-0.01833762	0.00415787
	1	0	-0.62197264	0.00839703
	1	1	0.04491773	0.00580240

Antenna Information

	Reference: J370	Rover: 174
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1801

GPS:

Number of used observations (L1): 11260

Number of rejected observations (L1): 52

Number of used observations (L2): 11253

Number of rejected observations (L2): 51

Tracking Status GPS L1:

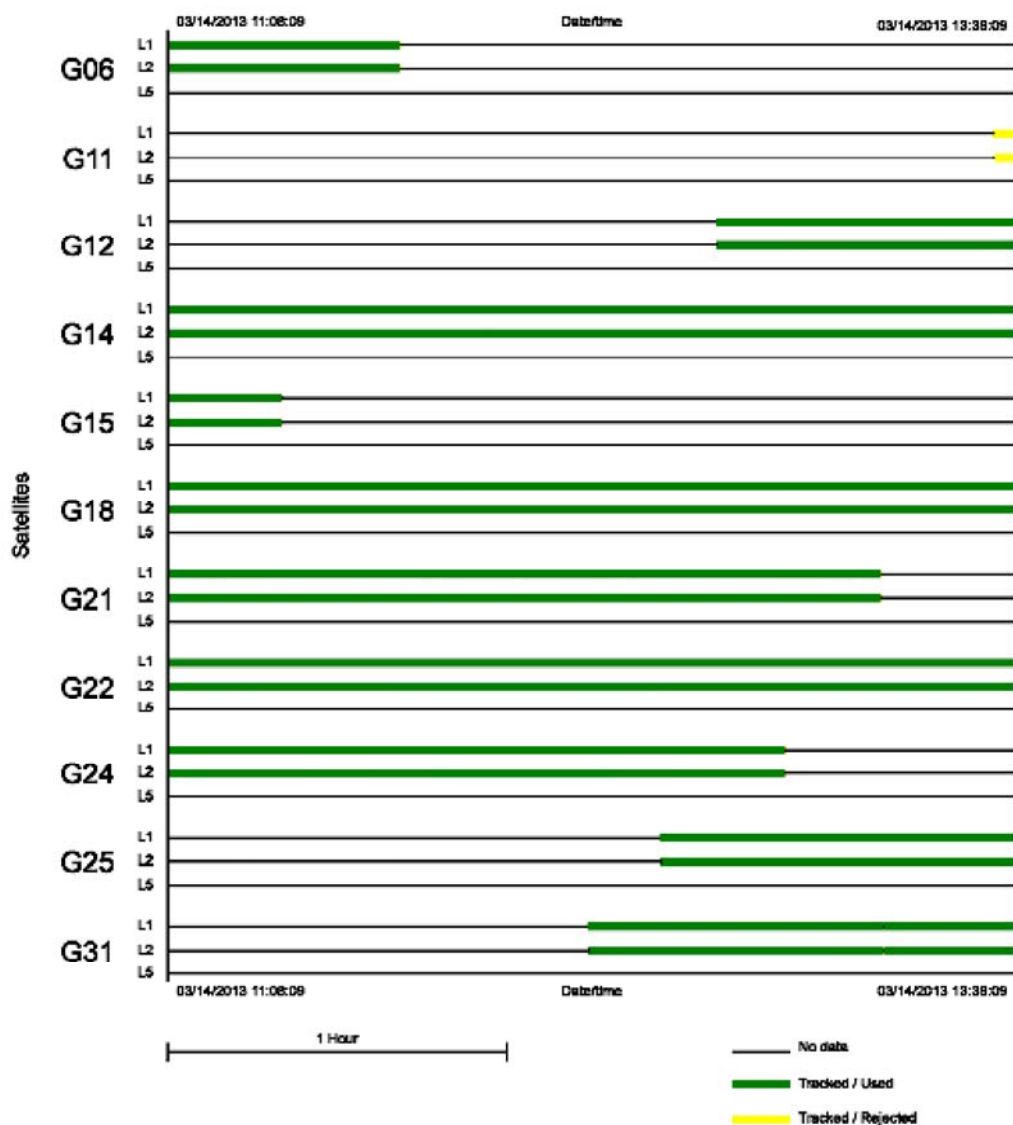
Satellite		From	To	Status
G06	✓	03/14/2013 11:08:09	03/14/2013 11:49:14	Tracked / Used
	✗	03/14/2013 11:49:14	03/14/2013 11:49:19	Tracked / Rejected
	✗	03/14/2013 11:49:19	03/14/2013 13:38:09	No data
G11	✗	03/14/2013 11:08:09	03/14/2013 13:34:14	No data
	✗	03/14/2013 13:34:14	03/14/2013 13:38:09	Tracked / Rejected
G12	✗	03/14/2013 11:08:09	03/14/2013 12:45:14	No data
	✓	03/14/2013 12:45:14	03/14/2013 13:38:09	Tracked / Used
G14	✓	03/14/2013 11:08:09	03/14/2013 13:38:09	Tracked / Used
G15	✓	03/14/2013 11:08:09	03/14/2013 11:28:19	Tracked / Used
	✗	03/14/2013 11:28:19	03/14/2013 11:28:24	Tracked / Rejected
	✗	03/14/2013 11:28:24	03/14/2013 13:38:09	No data
G18	✓	03/14/2013 11:08:09	03/14/2013 13:38:09	Tracked / Used
G21	✓	03/14/2013 11:08:09	03/14/2013 13:14:14	Tracked / Used
	✗	03/14/2013 13:14:14	03/14/2013 13:14:19	Tracked / Rejected
	✗	03/14/2013 13:14:19	03/14/2013 13:38:09	No data
G22	✓	03/14/2013 11:08:09	03/14/2013 13:38:09	Tracked / Used
G24	✓	03/14/2013 11:08:09	03/14/2013 12:57:19	Tracked / Used
	✗	03/14/2013 12:57:19	03/14/2013 12:57:24	Tracked / Rejected
	✗	03/14/2013 12:57:24	03/14/2013 13:38:09	No data
G25	✗	03/14/2013 11:08:09	03/14/2013 12:35:14	No data
	✓	03/14/2013 12:35:14	03/14/2013 13:38:09	Tracked / Used
G31	✗	03/14/2013 11:08:09	03/14/2013 12:22:29	No data
	✓	03/14/2013 12:22:29	03/14/2013 13:14:39	Tracked / Used
	✗	03/14/2013 13:14:39	03/14/2013 13:14:49	No data
	✓	03/14/2013 13:14:49	03/14/2013 13:38:09	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G06	✓	03/14/2013 11:08:09	03/14/2013 11:49:14	Tracked / Used

	✗	03/14/2013 11:49:14	03/14/2013 11:49:19	Tracked / Rejected
	✗	03/14/2013 11:49:19	03/14/2013 13:38:09	No data
G11	✗	03/14/2013 11:08:09	03/14/2013 13:34:24	No data
	✗	03/14/2013 13:34:24	03/14/2013 13:38:09	Tracked / Rejected
G12	✗	03/14/2013 11:08:09	03/14/2013 12:45:24	No data
	✓	03/14/2013 12:45:24	03/14/2013 13:38:09	Tracked / Used
G14	✓	03/14/2013 11:08:09	03/14/2013 13:38:09	Tracked / Used
G15	✓	03/14/2013 11:08:09	03/14/2013 11:28:19	Tracked / Used
	✗	03/14/2013 11:28:19	03/14/2013 11:28:24	Tracked / Rejected
	✗	03/14/2013 11:28:24	03/14/2013 13:38:09	No data
G18	✓	03/14/2013 11:08:09	03/14/2013 13:38:09	Tracked / Used
G21	✓	03/14/2013 11:08:09	03/14/2013 13:14:14	Tracked / Used
	✗	03/14/2013 13:14:14	03/14/2013 13:14:19	Tracked / Rejected
	✗	03/14/2013 13:14:19	03/14/2013 13:38:09	No data
G22	✓	03/14/2013 11:08:09	03/14/2013 13:38:09	Tracked / Used
G24	✓	03/14/2013 11:08:09	03/14/2013 12:57:19	Tracked / Used
	✗	03/14/2013 12:57:19	03/14/2013 12:57:24	Tracked / Rejected
	✗	03/14/2013 12:57:24	03/14/2013 13:38:09	No data
G25	✗	03/14/2013 11:08:09	03/14/2013 12:35:24	No data
	✓	03/14/2013 12:35:24	03/14/2013 13:38:09	Tracked / Used
G31	✗	03/14/2013 11:08:09	03/14/2013 12:22:39	No data
	✓	03/14/2013 12:22:39	03/14/2013 13:14:39	Tracked / Used
	✗	03/14/2013 13:14:39	03/14/2013 13:14:49	No data
	✗	03/14/2013 13:14:49	03/14/2013 13:14:54	Tracked / Rejected
	✓	03/14/2013 13:14:54	03/14/2013 13:38:09	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	24
Number of fixed GPS ambiguities:	22
Number of independent fixes:	164
Avg. time between independent fixes:	25"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/14/2013 11:08:09	03/14/2013 13:38:09	2h 30' 00"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:J370	Rover:174	
Coordinates:			
Latitude:	29° 19' 02.27859" N	29° 16' 51.19080" N	
Longitude:	89° 23' 17.79708" W	89° 21' 44.21165" W	
Ellip. Hgt:	-25.29303 m	-25.57332 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00025 m Posn. Qlty: 0.00035 m	Sd. Lon: 0.00024 m Sd. Slope: 0.00026 m	Sd. Hgt: 0.00067 m
M0:	1.23392 m		
Cofactor matrix Qxx:	0.00000004	-0.00000000 0.00000004	-0.00000003 0.00000002 0.00000029
Baseline vector:	dLat: -0° 02' 11.08778" Slope: 4761.17836 m	dLon: 0° 01' 33.58543"	dHgt: -0.28029 m
DOPs (min-max):	GDOP: 2.5 - 7.6 PDOP: 2.1 - 6.0	HDOP: 1.2 - 1.7	VDOP: 1.7 - 5.8
Number of used satellites:	GPS: 10 GLONASS: -		

Results - Baseline

J370 - 551

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:54

Point Information

	Reference: J370	Rover: 551
Receiver type / S/N:	SR530 / 34012	GRX1200GGPRO / 353211
Antenna type / S/N:	AT502 Tripod / -	AX1202 GG Tripod / -
Antenna height:	1.29600 m	1.28300 m
Initial coordinates:		
Latitude:	29° 19' 02.27859" N	29° 20' 38.04626" N
Longitude:	89° 23' 17.79708" W	89° 29' 59.76470" W
Ellip. Hgt:	-25.29303 m	-25.63361 m
Time span:	03/14/2013 07:01:24 - 03/14/2013 09:46:44	
Duration:	2h 45' 20"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 19' 02.27859" N
 Longitude: 89° 23' 17.79708" W
 Time (UT): 03/14/2013 11:42:19

Validity: From epoch: 03/14/2013 06:42:19
 To epoch: 03/14/2013 10:34:47

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.53548771	0.01516210
	0	1	1.59973636	0.01265838
	0	2	-0.34792842	0.00522836
	1	0	0.09561518	0.01041731
	1	1	-0.24791691	0.00635636

Antenna Information

	Reference: J370	Rover: 551
Antenna type:	AT502 Tripod	AX1202 GG Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06440 m	0.06400 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.3	1.2	2.6	4.4	6.4	8.5	10.4	12.1	13.4	14.3	14.8	15.1	15.1	14.6	13.6	11.9	9.2	5.9
0° L2	0.0	0.1	0.6	1.2	2.1	3.0	4.0	5.1	6.1	6.9	7.4	7.6	7.4	6.8	6.1	5.1	3.8	1.9	-0.8

Observation Statistics

Number of common epochs: 1985

GPS:

Number of used observations (L1): 14081
 Number of rejected observations (L1): 8
 Number of used observations (L2): 14081
 Number of rejected observations (L2): 5

Tracking Status GPS L1:

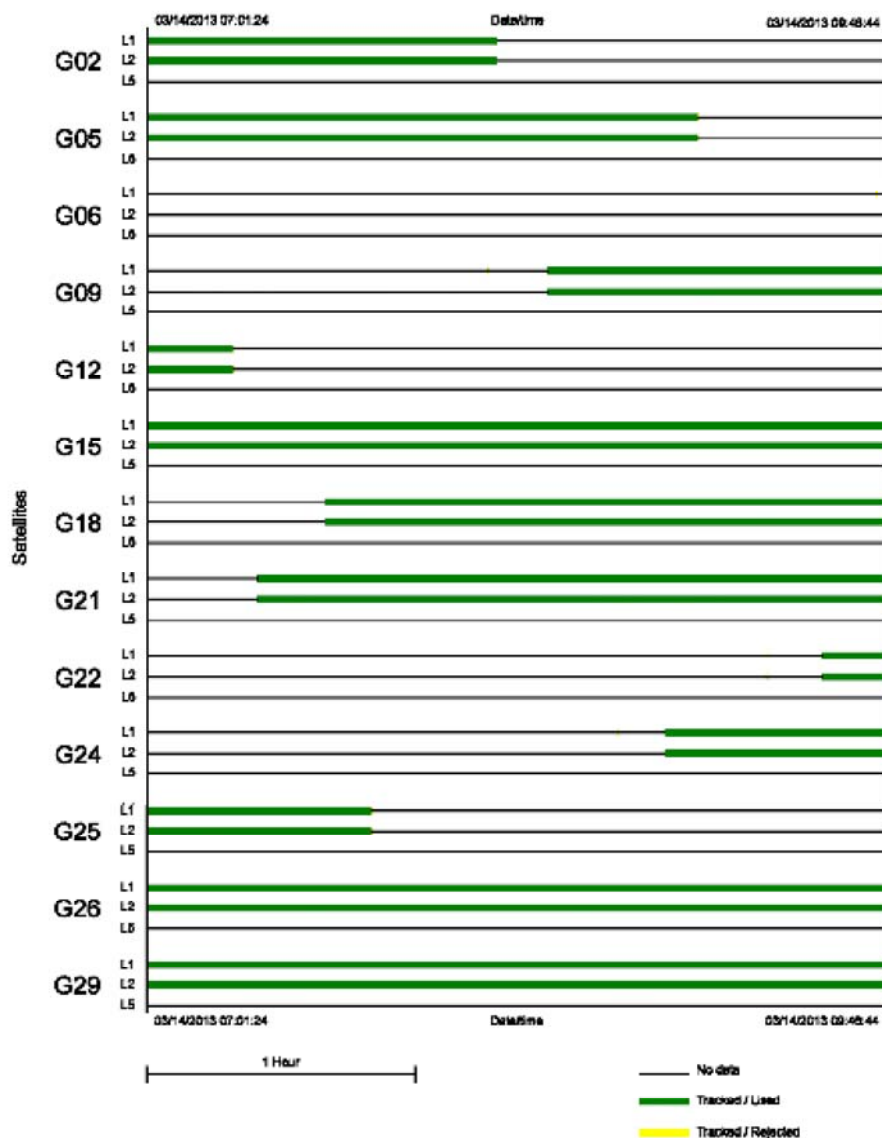
Satellite		From	To	Status
G02	✓	03/14/2013 07:01:24	03/14/2013 08:19:19	Tracked / Used
	✗	03/14/2013 08:19:19	03/14/2013 08:19:24	Tracked / Rejected
	✗	03/14/2013 08:19:24	03/14/2013 09:46:44	No data
G05	✓	03/14/2013 07:01:24	03/14/2013 09:04:24	Tracked / Used
	✗	03/14/2013 09:04:24	03/14/2013 09:04:29	Tracked / Rejected
	✗	03/14/2013 09:04:29	03/14/2013 09:46:44	No data
G06	✗	03/14/2013 07:01:24	03/14/2013 09:44:09	No data
	✗	03/14/2013 09:44:09	03/14/2013 09:44:14	Tracked / Rejected
	✗	03/14/2013 09:44:14	03/14/2013 09:46:44	No data
G09	✗	03/14/2013 07:01:24	03/14/2013 08:17:29	No data
	✗	03/14/2013 08:17:29	03/14/2013 08:17:34	Tracked / Rejected
	✗	03/14/2013 08:17:34	03/14/2013 08:30:54	No data
	✓	03/14/2013 08:30:54	03/14/2013 09:46:44	Tracked / Used
G12	✓	03/14/2013 07:01:24	03/14/2013 07:20:29	Tracked / Used
	✗	03/14/2013 07:20:29	03/14/2013 07:20:34	Tracked / Rejected
	✗	03/14/2013 07:20:34	03/14/2013 09:46:44	No data
G15	✓	03/14/2013 07:01:24	03/14/2013 09:46:44	Tracked / Used
G18	✗	03/14/2013 07:01:24	03/14/2013 07:40:59	No data
	✓	03/14/2013 07:40:59	03/14/2013 09:46:44	Tracked / Used
G21	✗	03/14/2013 07:01:24	03/14/2013 07:25:59	No data
	✓	03/14/2013 07:25:59	03/14/2013 09:46:44	Tracked / Used
G22	✗	03/14/2013 07:01:24	03/14/2013 09:19:54	No data
	✗	03/14/2013 09:19:54	03/14/2013 09:19:59	Tracked / Rejected
	✗	03/14/2013 09:19:59	03/14/2013 09:32:14	No data
	✓	03/14/2013 09:32:14	03/14/2013 09:46:44	Tracked / Used
G24	✗	03/14/2013 07:01:24	03/14/2013 08:46:39	No data
	✗	03/14/2013 08:46:39	03/14/2013 08:46:44	Tracked / Rejected
	✗	03/14/2013 08:46:44	03/14/2013 08:57:04	No data
	✓	03/14/2013 08:57:04	03/14/2013 09:46:44	Tracked / Used
G25	✓	03/14/2013 07:01:24	03/14/2013 07:51:39	Tracked / Used
	✗	03/14/2013 07:51:39	03/14/2013 07:51:44	Tracked / Rejected
	✗	03/14/2013 07:51:44	03/14/2013 09:46:44	No data
G26	✓	03/14/2013 07:01:24	03/14/2013 09:46:44	Tracked / Used
G29	✓	03/14/2013 07:01:24	03/14/2013 09:46:44	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/14/2013 07:01:24	03/14/2013 08:19:19	Tracked / Used
	✗	03/14/2013 08:19:19	03/14/2013 08:19:24	Tracked / Rejected
	✗	03/14/2013 08:19:24	03/14/2013 09:46:44	No data
G05	✓	03/14/2013 07:01:24	03/14/2013 09:04:24	Tracked / Used
	✗	03/14/2013 09:04:24	03/14/2013 09:04:29	Tracked / Rejected
	✗	03/14/2013 09:04:29	03/14/2013 09:46:44	No data

G09	✗	03/14/2013 07:01:24	03/14/2013 08:30:54	No data
	✓	03/14/2013 08:30:54	03/14/2013 09:46:44	Tracked / Used
G12	✓	03/14/2013 07:01:24	03/14/2013 07:20:29	Tracked / Used
	✗	03/14/2013 07:20:29	03/14/2013 07:20:34	Tracked / Rejected
	✗	03/14/2013 07:20:34	03/14/2013 09:46:44	No data
	✓	03/14/2013 07:01:24	03/14/2013 09:46:44	Tracked / Used
G15	✓	03/14/2013 07:01:24	03/14/2013 09:46:44	Tracked / Used
G18	✗	03/14/2013 07:01:24	03/14/2013 07:40:59	No data
	✓	03/14/2013 07:40:59	03/14/2013 09:46:44	Tracked / Used
G21	✗	03/14/2013 07:01:24	03/14/2013 07:25:59	No data
	✓	03/14/2013 07:25:59	03/14/2013 09:46:44	Tracked / Used
G22	✗	03/14/2013 07:01:24	03/14/2013 09:19:54	No data
	✗	03/14/2013 09:19:54	03/14/2013 09:19:59	Tracked / Rejected
	✗	03/14/2013 09:19:59	03/14/2013 09:32:14	No data
	✓	03/14/2013 09:32:14	03/14/2013 09:46:44	Tracked / Used
G24	✗	03/14/2013 07:01:24	03/14/2013 08:57:04	No data
	✓	03/14/2013 08:57:04	03/14/2013 09:46:44	Tracked / Used
G25	✓	03/14/2013 07:01:24	03/14/2013 07:51:39	Tracked / Used
	✗	03/14/2013 07:51:39	03/14/2013 07:51:44	Tracked / Rejected
	✗	03/14/2013 07:51:44	03/14/2013 09:46:44	No data
	✓	03/14/2013 07:01:24	03/14/2013 09:46:44	Tracked / Used
G26	✓	03/14/2013 07:01:24	03/14/2013 09:46:44	Tracked / Used
G29	✓	03/14/2013 07:01:24	03/14/2013 09:46:44	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	29
Number of fixed GPS ambiguities:	24
Number of independent fixes:	897
Avg. time between independent fixes:	5"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/14/2013 07:01:24	03/14/2013 09:46:44	2h 45' 20"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:J370	Rover:551	
Coordinates:			
Latitude:	29° 19' 02.27859" N	29° 20' 38.01374" N	
Longitude:	89° 23' 17.79708" W	89° 29' 59.74200" W	
Ellip. Hgt:	-25.29303 m	-23.62106 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00013 m Posn. Qlty: 0.00017 m	Sd. Lon: 0.00011 m Sd. Slope: 0.00011 m	Sd. Hgt: 0.00030 m
M0:	0.69024 m		
Cofactor matrix Qxx:	0.00000003	-0.00000000 0.00000002	0.00000001 0.00000000 0.00000018
Baseline vector:	dLat: 0° 01' 35.73516" Slope: 11237.80157 m	dLon: -0° 06' 41.94492"	dHgt: 1.67197 m
DOPs (min-max):	GDOP: 2.1 - 5.1 PDOP: 1.8 - 4.3	HDOP: 0.9 - 2.0	VDOP: 1.5 - 4.1
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

J370 - 552

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:54

Point Information

	Reference: J370	Rover: 552
Receiver type / S/N:	SR530 / 34012	ATX1230 / 316021
Antenna type / S/N:	AT502 Tripod / -	ATX1230 Tripod / -
Antenna height:	1.29600 m	1.25200 m
Initial coordinates:		
Latitude:	29° 19' 02.27859" N	29° 20' 37.01339" N
Longitude:	89° 23' 17.79708" W	89° 29' 57.55555" W
Ellip. Hgt:	-25.29303 m	-25.90897 m
Time span:	03/14/2013 06:50:29 - 03/14/2013 09:47:44	
Duration:	2h 57' 15"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	15	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 19' 02.27859" N
 Longitude: 89° 23' 17.79708" W
 Time (UT): 03/14/2013 11:42:19

Validity: From epoch: 03/14/2013 06:42:19
 To epoch: 03/14/2013 10:34:47

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.53548771	0.01516210
	0	1	1.59973636	0.01265838
	0	2	-0.34792842	0.00522836
	1	0	0.09561518	0.01041731
	1	1	-0.24791691	0.00635636

Antenna Information

	Reference: J370	Rover: 552
Antenna type:	AT502 Tripod	ATX1230 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.08880 m	0.08850 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.4	1.4	2.8	4.5	6.4	8.4	10.2	12.0	13.5	14.8	15.6	15.8	15.6	14.8	13.5	11.7	9.2	6.0
0° L2	0.0	0.2	0.6	1.3	2.1	3.1	4.0	5.0	5.9	6.7	7.3	7.7	7.7	7.4	6.7	5.7	4.0	1.7	-1.6

Observation Statistics

Number of common epochs: 710

GPS:

Number of used observations (L1): 5038
 Number of rejected observations (L1): 4
 Number of used observations (L2): 5038
 Number of rejected observations (L2): 4

Tracking Status GPS L1:

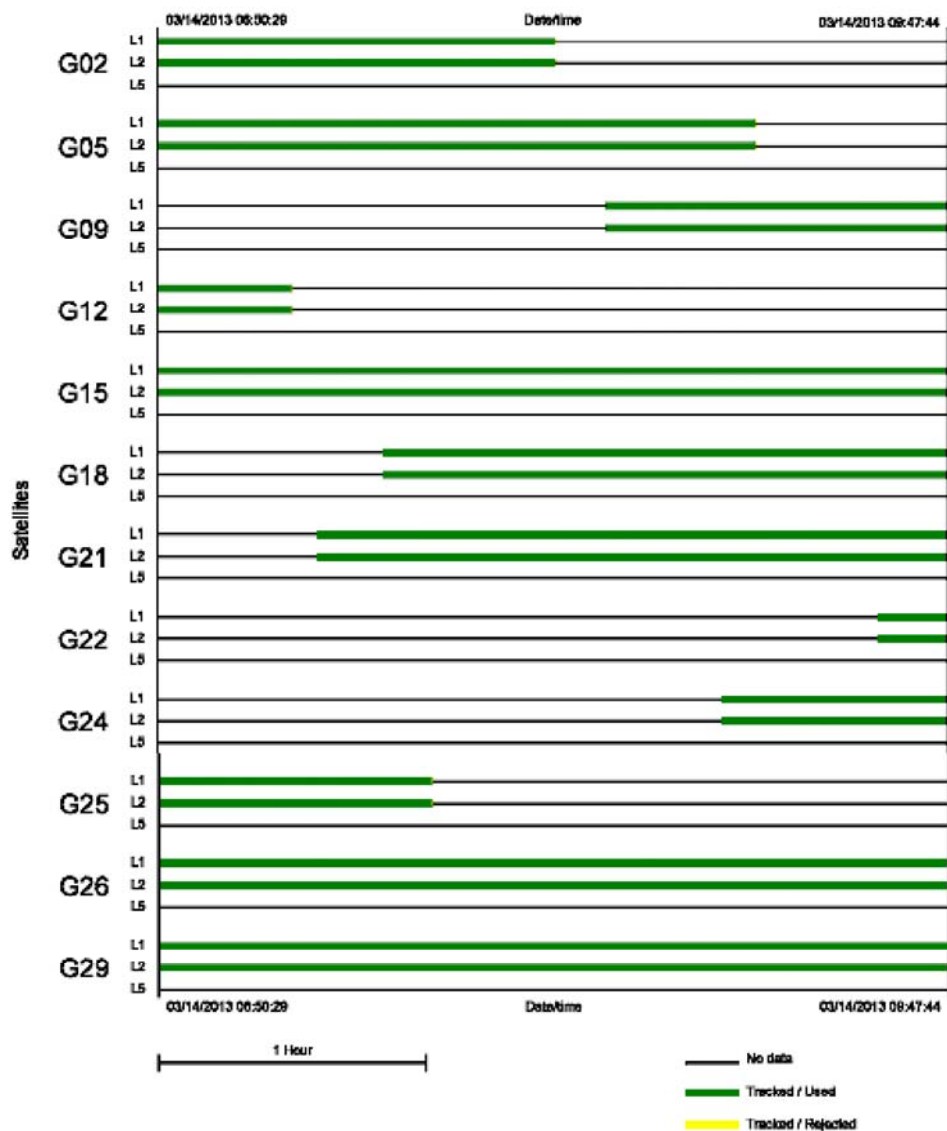
Satellite		From	To	Status
G02	✓	03/14/2013 06:50:29	03/14/2013 08:19:29	Tracked / Used
	✗	03/14/2013 08:19:29	03/14/2013 08:19:44	Tracked / Rejected
	✗	03/14/2013 08:19:44	03/14/2013 09:47:44	No data
G05	✓	03/14/2013 06:50:29	03/14/2013 09:04:29	Tracked / Used
	✗	03/14/2013 09:04:29	03/14/2013 09:04:44	Tracked / Rejected
	✗	03/14/2013 09:04:44	03/14/2013 09:47:44	No data
G09	✗	03/14/2013 06:50:29	03/14/2013 08:30:59	No data
	✓	03/14/2013 08:30:59	03/14/2013 09:47:44	Tracked / Used
G12	✓	03/14/2013 06:50:29	03/14/2013 07:20:29	Tracked / Used
	✗	03/14/2013 07:20:29	03/14/2013 07:20:44	Tracked / Rejected
	✗	03/14/2013 07:20:44	03/14/2013 09:47:44	No data
G15	✓	03/14/2013 06:50:29	03/14/2013 09:47:44	Tracked / Used
G18	✗	03/14/2013 06:50:29	03/14/2013 07:40:59	No data
	✓	03/14/2013 07:40:59	03/14/2013 09:47:44	Tracked / Used
G21	✗	03/14/2013 06:50:29	03/14/2013 07:26:14	No data
	✓	03/14/2013 07:26:14	03/14/2013 09:47:44	Tracked / Used
G22	✗	03/14/2013 06:50:29	03/14/2013 09:31:59	No data
	✓	03/14/2013 09:31:59	03/14/2013 09:47:44	Tracked / Used
G24	✗	03/14/2013 06:50:29	03/14/2013 08:56:59	No data
	✓	03/14/2013 08:56:59	03/14/2013 09:47:44	Tracked / Used
G25	✓	03/14/2013 06:50:29	03/14/2013 07:51:44	Tracked / Used
	✗	03/14/2013 07:51:44	03/14/2013 07:51:59	Tracked / Rejected
	✗	03/14/2013 07:51:59	03/14/2013 09:47:44	No data
G26	✓	03/14/2013 06:50:29	03/14/2013 09:47:44	Tracked / Used
G29	✓	03/14/2013 06:50:29	03/14/2013 09:47:44	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/14/2013 06:50:29	03/14/2013 08:19:29	Tracked / Used
	✗	03/14/2013 08:19:29	03/14/2013 08:19:44	Tracked / Rejected
	✗	03/14/2013 08:19:44	03/14/2013 09:47:44	No data
G05	✓	03/14/2013 06:50:29	03/14/2013 09:04:29	Tracked / Used
	✗	03/14/2013 09:04:29	03/14/2013 09:04:44	Tracked / Rejected
	✗	03/14/2013 09:04:44	03/14/2013 09:47:44	No data
G09	✗	03/14/2013 06:50:29	03/14/2013 08:30:59	No data
	✓	03/14/2013 08:30:59	03/14/2013 09:47:44	Tracked / Used
G12	✓	03/14/2013 06:50:29	03/14/2013 07:20:29	Tracked / Used
	✗	03/14/2013 07:20:29	03/14/2013 07:20:44	Tracked / Rejected
	✗	03/14/2013 07:20:44	03/14/2013 09:47:44	No data
G15	✓	03/14/2013 06:50:29	03/14/2013 09:47:44	Tracked / Used
G18	✗	03/14/2013 06:50:29	03/14/2013 07:40:59	No data
	✓	03/14/2013 07:40:59	03/14/2013 09:47:44	Tracked / Used
G21	✗	03/14/2013 06:50:29	03/14/2013 07:26:14	No data

	✓	03/14/2013 07:26:14	03/14/2013 09:47:44	Tracked / Used
G22	✗	03/14/2013 06:50:29	03/14/2013 09:31:59	No data
	✓	03/14/2013 09:31:59	03/14/2013 09:47:44	Tracked / Used
G24	✗	03/14/2013 06:50:29	03/14/2013 08:56:59	No data
	✓	03/14/2013 08:56:59	03/14/2013 09:47:44	Tracked / Used
G25	✓	03/14/2013 06:50:29	03/14/2013 07:51:44	Tracked / Used
	✗	03/14/2013 07:51:44	03/14/2013 07:51:59	Tracked / Rejected
	✗	03/14/2013 07:51:59	03/14/2013 09:47:44	No data
G26	✓	03/14/2013 06:50:29	03/14/2013 09:47:44	Tracked / Used
G29	✓	03/14/2013 06:50:29	03/14/2013 09:47:44	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 26

Number of fixed GPS ambiguities: 24
 Number of independent fixes: 339
 Avg. time between independent fixes: 15"

Percentage of fixed epochs (L1): 100%
 Percentage of fixed epochs (L2): 100%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/14/2013 06:50:29	03/14/2013 09:47:44	2h 57' 15"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:J370	Rover:552	
Coordinates:			
Latitude:	29° 19' 02.27859" N	29° 20' 36.98113" N	
Longitude:	89° 23' 17.79708" W	89° 29' 57.53485" W	
Ellip. Hgt:	-25.29303 m	-23.83352 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00022 m Posn. Qlty: 0.00028 m	Sd. Lon: 0.00018 m Sd. Slope: 0.00019 m	Sd. Hgt: 0.00051 m
M0:	0.71158 m		
Cofactor matrix Qxx:	0.00000009	-0.00000000 0.00000007	0.00000000 0.00000001 0.00000052
Baseline vector:	dLat: 0° 01' 34.70254" Slope: 11172.02376 m	dLon: -0° 06' 39.73777"	dHgt: 1.45950 m
DOPs (min-max):	GDOP: 2.1 - 5.6 PDOP: 1.8 - 4.7	HDOP: 0.9 - 2.0	VDOP: 1.5 - 4.5
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

J370 - 564

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:56

Point Information

	Reference: J370	Rover: 564
Receiver type / S/N:	SR530 / 34012	GRX1200GGPRO / 353211
Antenna type / S/N:	AT502 Tripod / -	AX1202 GG Tripod / -
Antenna height:	1.29600 m	1.25400 m
Initial coordinates:		
Latitude:	29° 19' 02.27859" N	29° 25' 29.45377" N
Longitude:	89° 23' 17.79708" W	89° 36' 56.98846" W
Ellip. Hgt:	-25.29303 m	-27.56754 m
Time span:	03/14/2013 10:44:24 - 03/14/2013 13:15:24	
Duration:	2h 31' 00"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs):	None
Manually disabled GLONASS satellites (Slot Id):	None
Manually disabled Galileo satellites:	None

Computed Iono Model

Number of computed models:	2
Sampling rate of iono model:	30 sec
Height of single layer:	350 km

Model 1:

Origin of development:	Latitude:	29° 19' 02.27859" N
	Longitude:	89° 23' 17.79708" W
	Time (UT):	03/14/2013 11:42:19

Validity:	From epoch:	03/14/2013 06:42:19
	To epoch:	03/14/2013 10:34:47

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.53548771	0.01516210
	0	1	1.59973636	0.01265838
	0	2	-0.34792842	0.00522836
	1	0	0.09561518	0.01041731
	1	1	-0.24791691	0.00635636

Model 2:

Origin of development:	Latitude:	29° 19' 02.27859" N
	Longitude:	89° 23' 17.79708" W
	Time (UT):	03/14/2013 15:34:47

Validity:	From epoch:	03/14/2013 10:34:47
	To epoch:	03/14/2013 14:27:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	2.65551648	0.01355299
	0	1	0.59678316	0.00936546
	0	2	-0.01833762	0.00415787
	1	0	-0.62197264	0.00839703
	1	1	0.04491773	0.00580240

Antenna Information

	Reference: J370	Rover: 564
Antenna type:	AT502 Tripod	AX1202 GG Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06440 m	0.06400 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.3	1.2	2.6	4.4	6.4	8.5	10.4	12.1	13.4	14.3	14.8	15.1	15.1	14.6	13.6	11.9	9.2	5.9
0° L2	0.0	0.1	0.6	1.2	2.1	3.0	4.0	5.1	6.1	6.9	7.4	7.6	7.4	6.8	6.1	5.1	3.8	1.9	-0.8

Observation Statistics

Number of common epochs: 1813

GPS:

Number of used observations (L1): 11419
 Number of rejected observations (L1): 96
 Number of used observations (L2): 11419
 Number of rejected observations (L2): 87

Tracking Status GPS L1:

Satellite		From	To	Status
G06	✓	03/14/2013 10:44:24	03/14/2013 11:50:29	Tracked / Used
	✗	03/14/2013 11:50:29	03/14/2013 11:50:34	Tracked / Rejected
	✗	03/14/2013 11:50:34	03/14/2013 13:15:24	No data
G09	✗	03/14/2013 10:44:24	03/14/2013 10:46:04	Tracked / Rejected
	✗	03/14/2013 10:46:04	03/14/2013 13:15:24	No data
G11	✗	03/14/2013 10:44:24	03/14/2013 13:13:59	No data
	✗	03/14/2013 13:13:59	03/14/2013 13:14:04	Tracked / Rejected
	✗	03/14/2013 13:14:04	03/14/2013 13:15:24	No data
G12	✗	03/14/2013 10:44:24	03/14/2013 12:27:29	No data
	✗	03/14/2013 12:27:29	03/14/2013 12:27:34	Tracked / Rejected
	✗	03/14/2013 12:27:34	03/14/2013 12:45:44	No data
	✓	03/14/2013 12:45:44	03/14/2013 13:15:24	Tracked / Used
G14	✓	03/14/2013 10:44:24	03/14/2013 13:15:24	Tracked / Used
G15	✓	03/14/2013 10:44:24	03/14/2013 11:28:04	Tracked / Used
	✗	03/14/2013 11:28:04	03/14/2013 11:28:09	Tracked / Rejected
	✗	03/14/2013 11:28:09	03/14/2013 13:15:24	No data
G18	✓	03/14/2013 10:44:24	03/14/2013 10:51:09	Tracked / Used
	✗	03/14/2013 10:51:09	03/14/2013 10:51:14	No data
	✗	03/14/2013 10:51:14	03/14/2013 10:51:29	Tracked / Rejected
	✗	03/14/2013 10:51:29	03/14/2013 10:55:14	No data
	✗	03/14/2013 10:55:14	03/14/2013 10:55:24	Tracked / Rejected
	✓	03/14/2013 10:55:24	03/14/2013 13:15:24	Tracked / Used
G21	✓	03/14/2013 10:44:24	03/14/2013 13:13:49	Tracked / Used
	✗	03/14/2013 13:13:49	03/14/2013 13:13:54	Tracked / Rejected
	✗	03/14/2013 13:13:54	03/14/2013 13:15:24	No data
G22	✓	03/14/2013 10:44:24	03/14/2013 13:15:24	Tracked / Used
G24	✓	03/14/2013 10:44:24	03/14/2013 12:57:14	Tracked / Used
	✗	03/14/2013 12:57:14	03/14/2013 12:57:19	Tracked / Rejected
	✗	03/14/2013 12:57:19	03/14/2013 13:15:24	No data

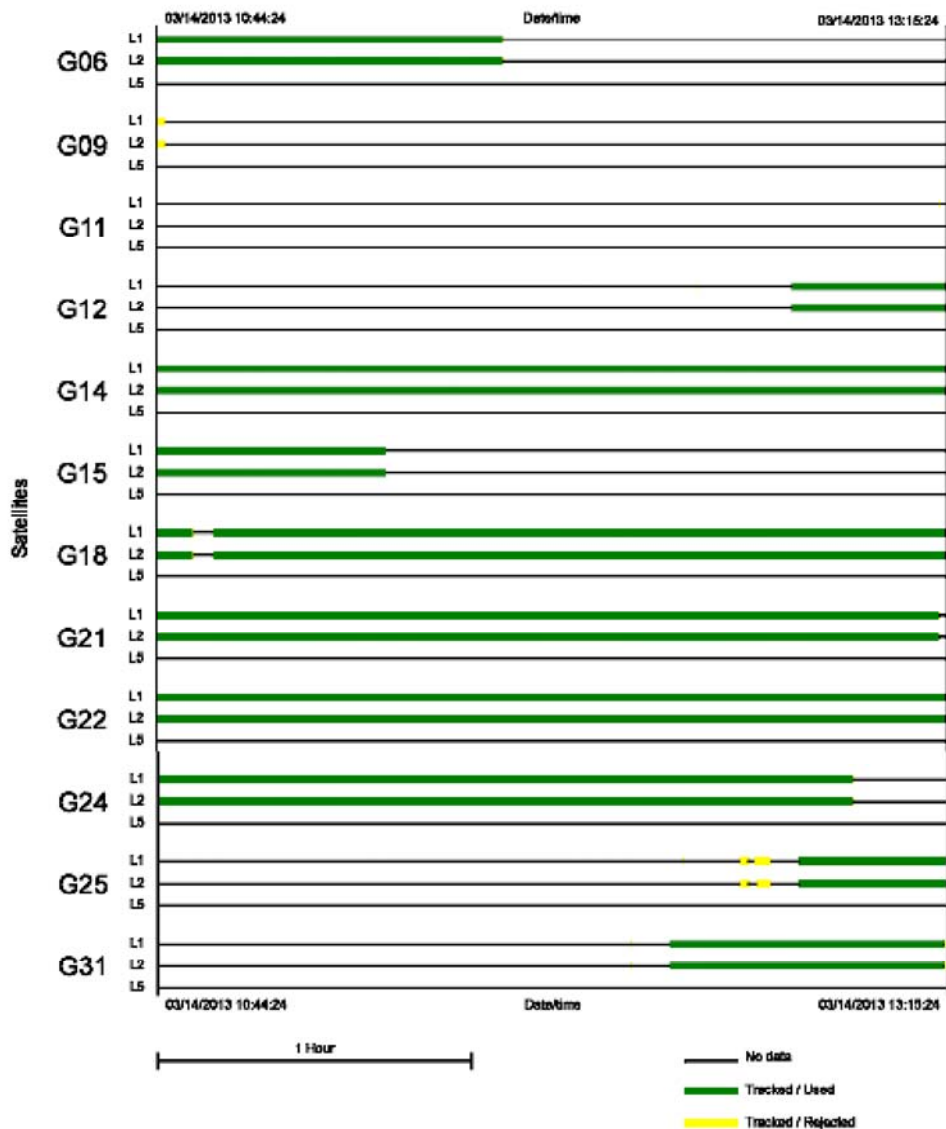
G25	✗	03/14/2013 10:44:24	03/14/2013 12:24:54	No data
	✗	03/14/2013 12:24:54	03/14/2013 12:24:59	Tracked / Rejected
	✗	03/14/2013 12:24:59	03/14/2013 12:35:39	No data
	✗	03/14/2013 12:35:39	03/14/2013 12:37:09	Tracked / Rejected
	✗	03/14/2013 12:37:09	03/14/2013 12:37:29	No data
	✗	03/14/2013 12:37:29	03/14/2013 12:37:34	Tracked / Rejected
	✗	03/14/2013 12:37:34	03/14/2013 12:38:29	No data
	✗	03/14/2013 12:38:29	03/14/2013 12:41:29	Tracked / Rejected
	✗	03/14/2013 12:41:29	03/14/2013 12:46:59	No data
	✓	03/14/2013 12:46:59	03/14/2013 13:15:24	Tracked / Used
G31	✗	03/14/2013 10:44:24	03/14/2013 12:14:54	No data
	✗	03/14/2013 12:14:54	03/14/2013 12:14:59	Tracked / Rejected
	✗	03/14/2013 12:14:59	03/14/2013 12:22:19	No data
	✓	03/14/2013 12:22:19	03/14/2013 13:14:39	Tracked / Used
	✗	03/14/2013 13:14:39	03/14/2013 13:14:49	No data
	✗	03/14/2013 13:14:49	03/14/2013 13:15:24	Tracked / Rejected

Tracking Status GPS L2:

Satellite		From	To	Status
G06	✓	03/14/2013 10:44:24	03/14/2013 11:50:29	Tracked / Used
	✗	03/14/2013 11:50:29	03/14/2013 11:50:34	Tracked / Rejected
	✗	03/14/2013 11:50:34	03/14/2013 13:15:24	No data
G09	✗	03/14/2013 10:44:24	03/14/2013 10:46:04	Tracked / Rejected
	✗	03/14/2013 10:46:04	03/14/2013 13:15:24	No data
G12	✗	03/14/2013 10:44:24	03/14/2013 12:45:44	No data
	✓	03/14/2013 12:45:44	03/14/2013 13:15:24	Tracked / Used
G14	✓	03/14/2013 10:44:24	03/14/2013 13:15:24	Tracked / Used
G15	✓	03/14/2013 10:44:24	03/14/2013 11:28:04	Tracked / Used
	✗	03/14/2013 11:28:04	03/14/2013 11:28:09	Tracked / Rejected
	✗	03/14/2013 11:28:09	03/14/2013 13:15:24	No data
G18	✓	03/14/2013 10:44:24	03/14/2013 10:51:09	Tracked / Used
	✗	03/14/2013 10:51:09	03/14/2013 10:51:14	No data
	✗	03/14/2013 10:51:14	03/14/2013 10:51:29	Tracked / Rejected
	✗	03/14/2013 10:51:29	03/14/2013 10:55:14	No data
	✗	03/14/2013 10:55:14	03/14/2013 10:55:24	Tracked / Rejected
	✓	03/14/2013 10:55:24	03/14/2013 13:15:24	Tracked / Used
G21	✓	03/14/2013 10:44:24	03/14/2013 13:13:49	Tracked / Used
	✗	03/14/2013 13:13:49	03/14/2013 13:13:54	Tracked / Rejected
	✗	03/14/2013 13:13:54	03/14/2013 13:15:24	No data
G22	✓	03/14/2013 10:44:24	03/14/2013 13:15:24	Tracked / Used
G24	✓	03/14/2013 10:44:24	03/14/2013 12:57:14	Tracked / Used
	✗	03/14/2013 12:57:14	03/14/2013 12:57:19	Tracked / Rejected
G25	✗	03/14/2013 12:57:19	03/14/2013 13:15:24	No data
	✗	03/14/2013 10:44:24	03/14/2013 12:35:39	No data
	✗	03/14/2013 12:35:39	03/14/2013 12:37:09	Tracked / Rejected
	✗	03/14/2013 12:37:09	03/14/2013 12:37:29	No data
	✗	03/14/2013 12:37:29	03/14/2013 12:37:34	Tracked / Rejected
	✗	03/14/2013 12:37:34	03/14/2013 12:38:54	No data
	✗	03/14/2013 12:38:54	03/14/2013 12:38:59	Tracked / Rejected
	✗	03/14/2013 12:38:59	03/14/2013 12:39:04	No data
		03/14/2013 12:39:04	03/14/2013 12:41:29	Tracked / Rejected

G31	×			
	×	03/14/2013 12:41:29	03/14/2013 12:46:59	No data
	✓	03/14/2013 12:46:59	03/14/2013 13:15:24	Tracked / Used
	×	03/14/2013 10:44:24	03/14/2013 12:14:54	No data
	×	03/14/2013 12:14:54	03/14/2013 12:14:59	Tracked / Rejected
	×	03/14/2013 12:14:59	03/14/2013 12:22:19	No data
	✓	03/14/2013 12:22:19	03/14/2013 13:14:39	Tracked / Used
	×	03/14/2013 13:14:39	03/14/2013 13:14:49	No data
	×	03/14/2013 13:14:49	03/14/2013 13:15:24	Tracked / Rejected

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 42
 Number of fixed GPS ambiguities: 22

Number of independent fixes: 171
 Avg. time between independent fixes: 30"
 Percentage of fixed epochs (L1): 99%
 Percentage of fixed epochs (L2): 99%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/14/2013 10:44:24	03/14/2013 13:15:24	2h 31' 00"

Cycle Slip Statistics

Total number of cycle slips: 4

Time	Satellite	Frequency	Slip value	Flags
03/14/2013 10:45:39	G06	L1	2.00	flagged
03/14/2013 10:45:39	G06	L2	4.00	flagged
03/14/2013 11:19:04	G15	L1	20.00	flagged
03/14/2013 11:19:04	G15	L2	34.00	flagged

Final Coordinates

	Reference:J370	Rover:564	
Coordinates:			
Latitude:	29° 19' 02.27859" N	29° 25' 29.39948" N	
Longitude:	89° 23' 17.79708" W	89° 36' 57.01300" W	
Ellip. Hgt:	-25.29303 m	-24.36413 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00038 m Posn. Qlty: 0.00051 m	Sd. Lon: 0.00034 m Sd. Slope: 0.00036 m	Sd. Hgt: 0.00095 m
M0:	0.44623 m		
Cofactor matrix Qxx:	0.00000071	-0.00000005 0.00000059	-0.00000036 0.00000010 0.00000452
Baseline vector:	dLat: 0° 06' 27.12089" Slope: 25103.51306 m	dLon: -0° 13' 39.21592"	dHgt: 0.92890 m
DOPs (min-max):	GDOP: 2.5 - 7.6 PDOP: 2.1 - 6.1	HDOP: 1.2 - 4.3	VDOP: 1.7 - 5.7
Number of used satellites:	GPS: 10 GLONASS: -		

Results - Baseline

J370 - 565

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:54

Point Information

	Reference: J370	Rover: 565
Receiver type / S/N:	SR530 / 34012	ATX1230 / 316021
Antenna type / S/N:	AT502 Tripod / -	ATX1230 Tripod / -
Antenna height:	1.29600 m	1.28200 m
Initial coordinates:		
Latitude:	29° 19' 02.27859" N	29° 25' 26.19579" N
Longitude:	89° 23' 17.79708" W	89° 36' 56.90549" W
Ellip. Hgt:	-25.29303 m	-27.36091 m
Time span:	03/14/2013 10:39:14 - 03/14/2013 13:19:14	
Duration:	2h 40' 00"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	15	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs):	None
Manually disabled GLONASS satellites (Slot Id):	None
Manually disabled Galileo satellites:	None

Computed Iono Model

Number of computed models:	2
Sampling rate of iono model:	30 sec
Height of single layer:	350 km

Model 1:

Origin of development:	Latitude:	29° 19' 02.27859" N
	Longitude:	89° 23' 17.79708" W
	Time (UT):	03/14/2013 11:42:19

Validity:	From epoch:	03/14/2013 06:42:19
	To epoch:	03/14/2013 10:34:47

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.53548771	0.01516210
	0	1	1.59973636	0.01265838
	0	2	-0.34792842	0.00522836
	1	0	0.09561518	0.01041731
	1	1	-0.24791691	0.00635636

Model 2:

Origin of development:	Latitude:	29° 19' 02.27859" N
	Longitude:	89° 23' 17.79708" W
	Time (UT):	03/14/2013 15:34:47

Validity:	From epoch:	03/14/2013 10:34:47
	To epoch:	03/14/2013 14:27:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	2.65551648	0.01355299
	0	1	0.59678316	0.00936546
	0	2	-0.01833762	0.00415787
	1	0	-0.62197264	0.00839703
	1	1	0.04491773	0.00580240

Antenna Information

	Reference: J370	Rover: 565
Antenna type:	AT502 Tripod	ATX1230 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.08880 m	0.08850 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.4	1.4	2.8	4.5	6.4	8.4	10.2	12.0	13.5	14.8	15.6	15.8	15.6	14.8	13.5	11.7	9.2	6.0
0° L2	0.0	0.2	0.6	1.3	2.1	3.1	4.0	5.0	5.9	6.7	7.3	7.7	7.7	7.4	6.7	5.7	4.0	1.7	-1.6

Observation Statistics

Number of common epochs: 641

GPS:

Number of used observations (L1): 4029
 Number of rejected observations (L1): 101
 Number of used observations (L2): 4029
 Number of rejected observations (L2): 100

Tracking Status GPS L1:

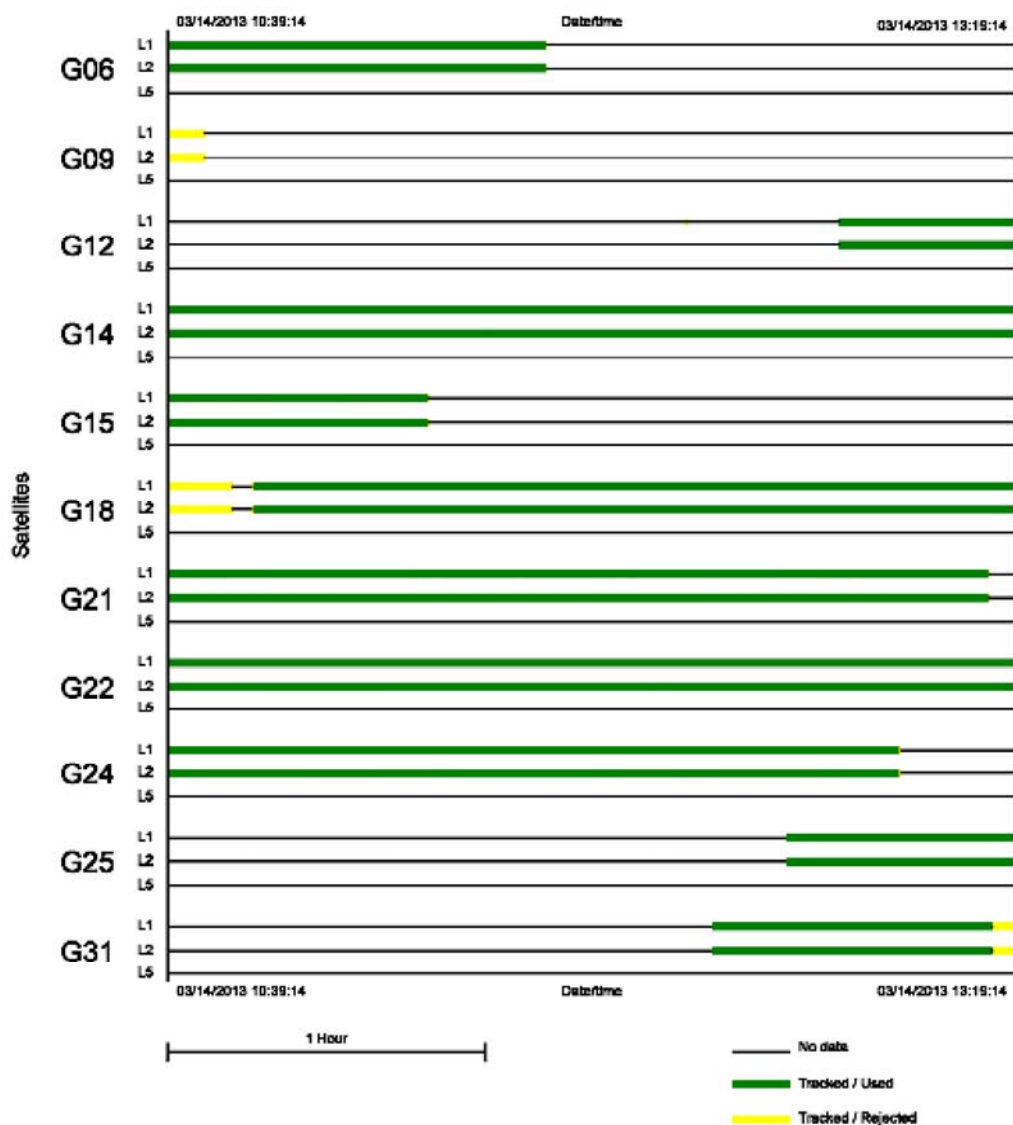
Satellite		From	To	Status
G06	✓	03/14/2013 10:39:14	03/14/2013 11:50:29	Tracked / Used
	✗	03/14/2013 11:50:29	03/14/2013 11:50:44	Tracked / Rejected
	✗	03/14/2013 11:50:44	03/14/2013 13:19:14	No data
G09	✗	03/14/2013 10:39:14	03/14/2013 10:46:14	Tracked / Rejected
	✗	03/14/2013 10:46:14	03/14/2013 13:19:14	No data
G12	✗	03/14/2013 10:39:14	03/14/2013 12:16:59	No data
	✗	03/14/2013 12:16:59	03/14/2013 12:17:14	Tracked / Rejected
	✗	03/14/2013 12:17:14	03/14/2013 12:45:59	No data
	✓	03/14/2013 12:45:59	03/14/2013 13:19:14	Tracked / Used
G14	✓	03/14/2013 10:39:14	03/14/2013 13:19:14	Tracked / Used
G15	✓	03/14/2013 10:39:14	03/14/2013 11:28:14	Tracked / Used
	✗	03/14/2013 11:28:14	03/14/2013 11:28:29	Tracked / Rejected
	✗	03/14/2013 11:28:29	03/14/2013 13:19:14	No data
G18	✗	03/14/2013 10:39:14	03/14/2013 10:51:29	Tracked / Rejected
	✗	03/14/2013 10:51:29	03/14/2013 10:55:14	No data
	✗	03/14/2013 10:55:14	03/14/2013 10:55:29	Tracked / Rejected
	✓	03/14/2013 10:55:29	03/14/2013 13:19:14	Tracked / Used
G21	✓	03/14/2013 10:39:14	03/14/2013 13:13:59	Tracked / Used
	✗	03/14/2013 13:13:59	03/14/2013 13:14:14	Tracked / Rejected
	✗	03/14/2013 13:14:14	03/14/2013 13:19:14	No data
G22	✓	03/14/2013 10:39:14	03/14/2013 13:19:14	Tracked / Used
G24	✓	03/14/2013 10:39:14	03/14/2013 12:57:14	Tracked / Used
	✗	03/14/2013 12:57:14	03/14/2013 12:57:29	Tracked / Rejected
	✗	03/14/2013 12:57:29	03/14/2013 13:19:14	No data
G25	✗	03/14/2013 10:39:14	03/14/2013 12:35:59	No data
	✓	03/14/2013 12:35:59	03/14/2013 13:19:14	Tracked / Used
G31	✗	03/14/2013 10:39:14	03/14/2013 12:21:59	No data
	✓	03/14/2013 12:21:59	03/14/2013 13:14:44	Tracked / Used
	✗	03/14/2013 13:14:44	03/14/2013 13:14:59	No data

✗ 03/14/2013 13:14:59 03/14/2013 13:19:14 Tracked / Rejected

Tracking Status GPS L2:

Satellite		From	To	Status
G06	✓	03/14/2013 10:39:14	03/14/2013 11:50:29	Tracked / Used
	✗	03/14/2013 11:50:29	03/14/2013 11:50:44	Tracked / Rejected
	✗	03/14/2013 11:50:44	03/14/2013 13:19:14	No data
G09	✗	03/14/2013 10:39:14	03/14/2013 10:46:14	Tracked / Rejected
	✗	03/14/2013 10:46:14	03/14/2013 13:19:14	No data
G12	✗	03/14/2013 10:39:14	03/14/2013 12:45:59	No data
	✓	03/14/2013 12:45:59	03/14/2013 13:19:14	Tracked / Used
G14	✓	03/14/2013 10:39:14	03/14/2013 13:19:14	Tracked / Used
G15	✓	03/14/2013 10:39:14	03/14/2013 11:28:14	Tracked / Used
	✗	03/14/2013 11:28:14	03/14/2013 11:28:29	Tracked / Rejected
	✗	03/14/2013 11:28:29	03/14/2013 13:19:14	No data
G18	✗	03/14/2013 10:39:14	03/14/2013 10:51:29	Tracked / Rejected
	✗	03/14/2013 10:51:29	03/14/2013 10:55:14	No data
	✗	03/14/2013 10:55:14	03/14/2013 10:55:29	Tracked / Rejected
	✓	03/14/2013 10:55:29	03/14/2013 13:19:14	Tracked / Used
G21	✓	03/14/2013 10:39:14	03/14/2013 13:13:59	Tracked / Used
	✗	03/14/2013 13:13:59	03/14/2013 13:14:14	Tracked / Rejected
	✗	03/14/2013 13:14:14	03/14/2013 13:19:14	No data
G22	✓	03/14/2013 10:39:14	03/14/2013 13:19:14	Tracked / Used
G24	✓	03/14/2013 10:39:14	03/14/2013 12:57:14	Tracked / Used
	✗	03/14/2013 12:57:14	03/14/2013 12:57:29	Tracked / Rejected
	✗	03/14/2013 12:57:29	03/14/2013 13:19:14	No data
G25	✗	03/14/2013 10:39:14	03/14/2013 12:35:59	No data
	✓	03/14/2013 12:35:59	03/14/2013 13:19:14	Tracked / Used
G31	✗	03/14/2013 10:39:14	03/14/2013 12:21:59	No data
	✓	03/14/2013 12:21:59	03/14/2013 13:14:44	Tracked / Used
	✗	03/14/2013 13:14:44	03/14/2013 13:14:59	No data
	✗	03/14/2013 13:14:59	03/14/2013 13:19:14	Tracked / Rejected

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	29
Number of fixed GPS ambiguities:	20
Number of independent fixes:	87
Avg. time between independent fixes:	45"
Percentage of fixed epochs (L1):	98%
Percentage of fixed epochs (L2):	98%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/14/2013 10:39:14	03/14/2013 13:19:14	2h 40' 00"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:J370	Rover:565	
Coordinates:			
Latitude:	29° 19' 02.27859" N	29° 25' 26.13914" N	
Longitude:	89° 23' 17.79708" W	89° 36' 56.93363" W	
Ellip. Hgt:	-25.29303 m	-24.49441 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00063 m Posn. Qlty: 0.00084 m	Sd. Lon: 0.00056 m Sd. Slope: 0.00059 m	Sd. Hgt: 0.00154 m
M0:	0.43595 m		
Cofactor matrix Qxx:	0.00000208	-0.00000013 0.00000166	-0.00000097 0.00000027 0.00001246
Baseline vector:	dLat: 0° 06' 23.86055" Slope: 25054.20487 m	dLon: -0° 13' 39.13655"	dHgt: 0.79862 m
DOPs (min-max):	GDOP: 2.5 - 8.8 PDOP: 2.1 - 6.9	HDOP: 1.2 - 4.8	VDOP: 1.7 - 5.7
Number of used satellites:	GPS: 10 GLONASS: -		

Results - Baseline

Q388 - 113

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:05

Point Information

	Reference: Q388	Rover: 113
Receiver type / S/N:	SR530 / 34012	SR530 / 30486
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.33100 m	1.22500 m
Initial coordinates:		
Latitude:	29° 13' 34.05387" N	29° 09' 12.73999" N
Longitude:	90° 00' 23.77099" W	90° 10' 47.80711" W
Ellip. Hgt:	-22.94902 m	-24.41444 m
Time span:	03/12/2013 09:34:39 - 03/12/2013 12:05:19	
Duration:	2h 30' 40"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 13' 34.05387" N
 Longitude: 90° 00' 23.77099" W
 Time (UT): 03/12/2013 12:27:54

Validity: From epoch: 03/12/2013 07:27:54
 To epoch: 03/12/2013 12:09:59

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.04197150	0.00625749
	0	1	1.26288487	0.00607750
	0	2	-0.15070571	0.00258415
	1	0	-0.03536315	0.00706738
	1	1	-0.26735669	0.00571894

Antenna Information

	Reference: Q388	Rover: 113
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1809

GPS:

Number of used observations (L1): 13222
 Number of rejected observations (L1): 241
 Number of used observations (L2): 13222
 Number of rejected observations (L2): 103

Tracking Status GPS L1:

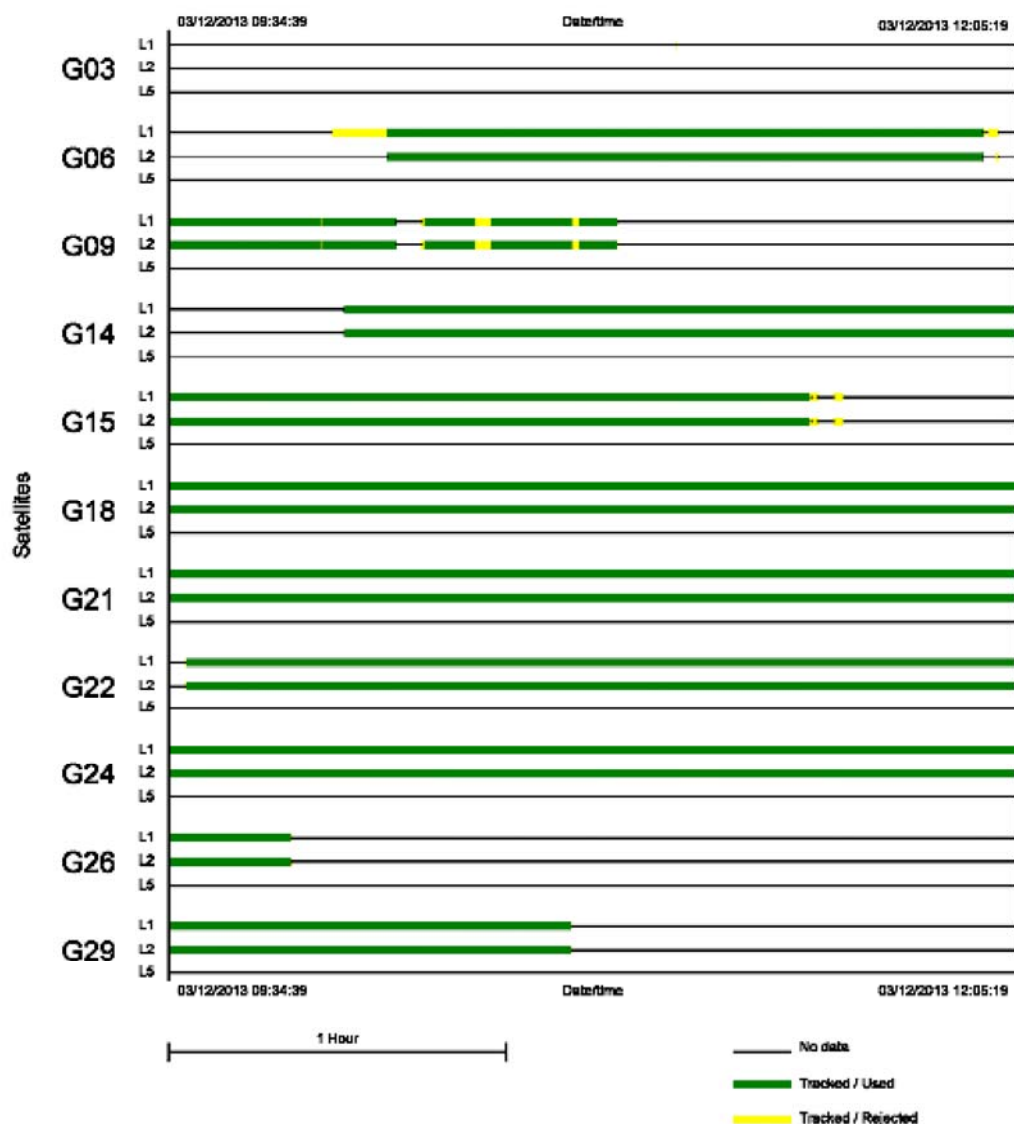
Satellite		From	To	Status
G03	✗	03/12/2013 09:34:39	03/12/2013 11:04:39	No data
	✗	03/12/2013 11:04:39	03/12/2013 11:04:44	Tracked / Rejected
	✗	03/12/2013 11:04:44	03/12/2013 12:05:19	No data
G06	✗	03/12/2013 09:34:39	03/12/2013 10:03:44	No data
	✗	03/12/2013 10:03:44	03/12/2013 10:13:34	Tracked / Rejected
	✓	03/12/2013 10:13:34	03/12/2013 11:59:19	Tracked / Used
	✗	03/12/2013 11:59:19	03/12/2013 11:59:29	No data
	✗	03/12/2013 11:59:29	03/12/2013 11:59:39	Tracked / Rejected
	✗	03/12/2013 11:59:39	03/12/2013 12:00:14	No data
	✗	03/12/2013 12:00:14	03/12/2013 12:01:59	Tracked / Rejected
	✗	03/12/2013 12:01:59	03/12/2013 12:05:19	No data
G09	✓	03/12/2013 09:34:39	03/12/2013 10:01:39	Tracked / Used
	✗	03/12/2013 10:01:39	03/12/2013 10:01:54	Tracked / Rejected
	✓	03/12/2013 10:01:54	03/12/2013 10:14:59	Tracked / Used
	✗	03/12/2013 10:14:59	03/12/2013 10:19:39	No data
	✗	03/12/2013 10:19:39	03/12/2013 10:20:09	Tracked / Rejected
	✓	03/12/2013 10:20:09	03/12/2013 10:29:09	Tracked / Used
	✗	03/12/2013 10:29:09	03/12/2013 10:32:04	Tracked / Rejected
	✓	03/12/2013 10:32:04	03/12/2013 10:46:19	Tracked / Used
	✗	03/12/2013 10:46:19	03/12/2013 10:47:44	Tracked / Rejected
	✓	03/12/2013 10:47:44	03/12/2013 10:54:19	Tracked / Used
	✗	03/12/2013 10:54:19	03/12/2013 10:54:24	Tracked / Rejected
	✗	03/12/2013 10:54:24	03/12/2013 12:05:19	No data
G14	✗	03/12/2013 09:34:39	03/12/2013 10:05:54	No data
	✓	03/12/2013 10:05:54	03/12/2013 12:05:19	Tracked / Used
G15	✓	03/12/2013 09:34:39	03/12/2013 11:28:29	Tracked / Used
	✗	03/12/2013 11:28:29	03/12/2013 11:28:34	Tracked / Rejected
	✗	03/12/2013 11:28:34	03/12/2013 11:28:44	No data
	✗	03/12/2013 11:28:44	03/12/2013 11:28:59	Tracked / Rejected
	✗	03/12/2013 11:28:59	03/12/2013 11:29:09	No data
	✗	03/12/2013 11:29:09	03/12/2013 11:29:49	Tracked / Rejected
	✗	03/12/2013 11:29:49	03/12/2013 11:29:59	No data
	✗	03/12/2013 11:29:59	03/12/2013 11:30:04	Tracked / Rejected
	✗	03/12/2013 11:30:04	03/12/2013 11:32:54	No data
	✗	03/12/2013 11:32:54	03/12/2013 11:34:29	Tracked / Rejected
	✗	03/12/2013 11:34:29	03/12/2013 12:05:19	No data
G18	✓	03/12/2013 09:34:39	03/12/2013 12:05:19	Tracked / Used
G21	✓	03/12/2013 09:34:39	03/12/2013 12:05:19	Tracked / Used
G22	✗	03/12/2013 09:34:39	03/12/2013 09:37:44	No data
	✗	03/12/2013 09:37:44	03/12/2013 09:37:59	Tracked / Rejected
	✓	03/12/2013 09:37:59	03/12/2013 12:05:19	Tracked / Used
G24	✓	03/12/2013 09:34:39	03/12/2013 12:05:19	Tracked / Used
G26	✓	03/12/2013 09:34:39	03/12/2013 09:56:24	Tracked / Used

G29	✗	03/12/2013 09:56:24	03/12/2013 09:56:29	Tracked / Rejected
	✗	03/12/2013 09:56:29	03/12/2013 12:05:19	No data
	✓	03/12/2013 09:34:39	03/12/2013 10:46:04	Tracked / Used
	✗	03/12/2013 10:46:04	03/12/2013 10:46:09	Tracked / Rejected
	✗	03/12/2013 10:46:09	03/12/2013 12:05:19	No data

Tracking Status GPS L2:

Satellite		From	To	Status
G06	✗	03/12/2013 09:34:39	03/12/2013 10:13:34	No data
	✓	03/12/2013 10:13:34	03/12/2013 11:59:19	Tracked / Used
	✗	03/12/2013 11:59:19	03/12/2013 12:01:39	No data
	✗	03/12/2013 12:01:39	03/12/2013 12:01:59	Tracked / Rejected
	✗	03/12/2013 12:01:59	03/12/2013 12:05:19	No data
G09	✓	03/12/2013 09:34:39	03/12/2013 10:01:39	Tracked / Used
	✗	03/12/2013 10:01:39	03/12/2013 10:01:54	Tracked / Rejected
	✓	03/12/2013 10:01:54	03/12/2013 10:14:59	Tracked / Used
	✗	03/12/2013 10:14:59	03/12/2013 10:19:39	No data
	✗	03/12/2013 10:19:39	03/12/2013 10:20:09	Tracked / Rejected
	✓	03/12/2013 10:20:09	03/12/2013 10:29:09	Tracked / Used
	✗	03/12/2013 10:29:09	03/12/2013 10:32:04	Tracked / Rejected
	✓	03/12/2013 10:32:04	03/12/2013 10:46:19	Tracked / Used
	✗	03/12/2013 10:46:19	03/12/2013 10:47:44	Tracked / Rejected
	✓	03/12/2013 10:47:44	03/12/2013 10:54:19	Tracked / Used
	✗	03/12/2013 10:54:19	03/12/2013 10:54:24	Tracked / Rejected
	✗	03/12/2013 10:54:24	03/12/2013 12:05:19	No data
G14	✗	03/12/2013 09:34:39	03/12/2013 10:05:54	No data
	✓	03/12/2013 10:05:54	03/12/2013 12:05:19	Tracked / Used
G15	✓	03/12/2013 09:34:39	03/12/2013 11:28:29	Tracked / Used
	✗	03/12/2013 11:28:29	03/12/2013 11:28:34	Tracked / Rejected
	✗	03/12/2013 11:28:34	03/12/2013 11:28:44	No data
	✗	03/12/2013 11:28:44	03/12/2013 11:28:59	Tracked / Rejected
	✗	03/12/2013 11:28:59	03/12/2013 11:29:09	No data
	✗	03/12/2013 11:29:09	03/12/2013 11:29:49	Tracked / Rejected
	✗	03/12/2013 11:29:49	03/12/2013 11:29:59	No data
	✗	03/12/2013 11:29:59	03/12/2013 11:30:04	Tracked / Rejected
	✗	03/12/2013 11:30:04	03/12/2013 11:32:54	No data
	✗	03/12/2013 11:32:54	03/12/2013 11:34:29	Tracked / Rejected
	✗	03/12/2013 11:34:29	03/12/2013 12:05:19	No data
	✓	03/12/2013 09:34:39	03/12/2013 12:05:19	Tracked / Used
G18	✓	03/12/2013 09:34:39	03/12/2013 12:05:19	Tracked / Used
G21	✓	03/12/2013 09:34:39	03/12/2013 12:05:19	Tracked / Used
G22	✗	03/12/2013 09:34:39	03/12/2013 09:37:44	No data
	✗	03/12/2013 09:37:44	03/12/2013 09:37:59	Tracked / Rejected
	✓	03/12/2013 09:37:59	03/12/2013 12:05:19	Tracked / Used
G24	✓	03/12/2013 09:34:39	03/12/2013 12:05:19	Tracked / Used
G26	✓	03/12/2013 09:34:39	03/12/2013 09:56:24	Tracked / Used
	✗	03/12/2013 09:56:24	03/12/2013 09:56:29	Tracked / Rejected
	✗	03/12/2013 09:56:29	03/12/2013 12:05:19	No data
G29	✓	03/12/2013 09:34:39	03/12/2013 10:46:04	Tracked / Used
	✗	03/12/2013 10:46:04	03/12/2013 10:46:09	Tracked / Rejected
	✗	03/12/2013 10:46:09	03/12/2013 12:05:19	No data

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	36
Number of fixed GPS ambiguities:	26
Number of independent fixes:	562
Avg. time between independent fixes:	5"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/12/2013 09:34:39	03/12/2013 12:05:19	2h 30' 40"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference: Q388	Rover: 113	
Coordinates:			
Latitude:	29° 13' 34.05387" N	29° 09' 12.69605" N	
Longitude:	90° 00' 23.77099" W	90° 10' 47.78142" W	
Ellip. Hgt:	-22.94902 m	-22.81562 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00043 m Posn. Qlty: 0.00055 m	Sd. Lon: 0.00035 m Sd. Slope: 0.00036 m	Sd. Hgt: 0.00101 m
M0:	0.52540 m		
Cofactor matrix Qxx:	0.00000066	-0.00000001 0.00000044	-0.00000018 -0.00000007 0.00000367
Baseline vector:	dLat: -0° 04' 21.35782" Slope: 18680.62875 m	dLon: -0° 10' 24.01043"	dHgt: 0.13341 m
DOPs (min-max):	GDOP: 1.9 - 7.5 PDOP: 1.6 - 5.9	HDOP: 0.8 - 1.6	VDOP: 1.4 - 5.7
Number of used satellites:	GPS: 10 GLONASS: -		

Results - Baseline

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Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:02

Point Information

	Reference: Q388	Rover: 114
Receiver type / S/N:	SR530 / 34012	SR530 / 34472
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.33100 m	1.18500 m
Initial coordinates:		
Latitude:	29° 13' 34.05387" N	29° 09' 17.11227" N
Longitude:	90° 00' 23.77099" W	90° 10' 46.29277" W
Ellip. Hgt:	-22.94902 m	-24.12683 m
Time span:	03/12/2013 07:27:59 - 03/12/2013 12:09:59	
Duration:	4h 42' 00"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 13' 34.05387" N
 Longitude: 90° 00' 23.77099" W
 Time (UT): 03/12/2013 12:27:54

Validity: From epoch: 03/12/2013 07:27:54
 To epoch: 03/12/2013 12:09:59

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.04197150	0.00625749
	0	1	1.26288487	0.00607750
	0	2	-0.15070571	0.00258415
	1	0	-0.03536315	0.00706738
	1	1	-0.26735669	0.00571894

Antenna Information

	Reference: Q388	Rover: 114
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 3384

GPS:

Number of used observations (L1): 23983
 Number of rejected observations (L1): 313
 Number of used observations (L2): 23978
 Number of rejected observations (L2): 302

Tracking Status GPS L1:

Satellite		From	To	Status
G02	✓	03/12/2013 07:27:59	03/12/2013 07:31:44	Tracked / Used
	✗	03/12/2013 07:31:44	03/12/2013 07:31:49	No data
	✓	03/12/2013 07:31:49	03/12/2013 08:21:39	Tracked / Used
	✗	03/12/2013 08:21:39	03/12/2013 08:21:44	No data
	✗	03/12/2013 08:21:44	03/12/2013 08:21:49	Tracked / Rejected
	✓	03/12/2013 08:21:49	03/12/2013 08:25:39	Tracked / Used
	✗	03/12/2013 08:25:39	03/12/2013 08:25:44	Tracked / Rejected
	✗	03/12/2013 08:25:44	03/12/2013 12:09:59	No data
G05	✓	03/12/2013 07:27:59	03/12/2013 08:51:34	Tracked / Used
	✗	03/12/2013 08:51:34	03/12/2013 08:53:04	Tracked / Rejected
	✓	03/12/2013 08:53:04	03/12/2013 09:03:19	Tracked / Used
	✗	03/12/2013 09:03:19	03/12/2013 09:04:09	Tracked / Rejected
	✗	03/12/2013 09:04:09	03/12/2013 09:06:49	No data
	✗	03/12/2013 09:06:49	03/12/2013 09:07:14	Tracked / Rejected
	✗	03/12/2013 09:07:14	03/12/2013 09:07:19	No data
	✗	03/12/2013 09:07:19	03/12/2013 09:07:29	Tracked / Rejected
G06	✓	03/12/2013 09:07:29	03/12/2013 09:10:29	Tracked / Used
	✗	03/12/2013 09:10:29	03/12/2013 09:10:34	Tracked / Rejected
	✗	03/12/2013 09:10:34	03/12/2013 12:09:59	No data
	✗	03/12/2013 07:27:59	03/12/2013 10:04:39	No data
	✗	03/12/2013 10:04:39	03/12/2013 10:04:44	Tracked / Rejected
	✓	03/12/2013 10:04:44	03/12/2013 12:01:54	Tracked / Used
	✗	03/12/2013 12:01:54	03/12/2013 12:01:59	Tracked / Rejected
	✗	03/12/2013 12:01:59	03/12/2013 12:09:59	No data
G09	✗	03/12/2013 07:27:59	03/12/2013 08:42:39	No data
	✗	03/12/2013 08:42:39	03/12/2013 08:42:44	Tracked / Rejected
	✓	03/12/2013 08:42:44	03/12/2013 10:01:39	Tracked / Used
	✗	03/12/2013 10:01:39	03/12/2013 10:14:59	Tracked / Rejected
	✗	03/12/2013 10:14:59	03/12/2013 10:19:39	No data
	✗	03/12/2013 10:19:39	03/12/2013 10:20:09	Tracked / Rejected
	✓	03/12/2013 10:20:09	03/12/2013 10:29:09	Tracked / Used
	✗	03/12/2013 10:29:09	03/12/2013 10:32:04	Tracked / Rejected
G12	✓	03/12/2013 10:32:04	03/12/2013 10:46:19	Tracked / Used
	✗	03/12/2013 10:46:19	03/12/2013 10:47:44	Tracked / Rejected
	✓	03/12/2013 10:47:44	03/12/2013 10:54:19	Tracked / Used
	✗	03/12/2013 10:54:19	03/12/2013 10:54:24	Tracked / Rejected
	✗	03/12/2013 10:54:24	03/12/2013 12:09:59	No data
	✓	03/12/2013 07:27:59	03/12/2013 07:29:54	Tracked / Used
	✗	03/12/2013 07:29:54	03/12/2013 07:29:59	Tracked / Rejected
	✗	03/12/2013 07:29:59	03/12/2013 12:09:59	No data
G14	✗	03/12/2013 07:27:59	03/12/2013 10:06:44	No data
	✗	03/12/2013 10:06:44	03/12/2013 10:06:59	Tracked / Rejected
	✓	03/12/2013 10:06:59	03/12/2013 12:09:59	Tracked / Used

G15	✓	03/12/2013 07:27:59	03/12/2013 11:28:29	Tracked / Used
	✗	03/12/2013 11:28:29	03/12/2013 11:28:34	Tracked / Rejected
	✗	03/12/2013 11:28:34	03/12/2013 11:28:44	No data
	✗	03/12/2013 11:28:44	03/12/2013 11:28:59	Tracked / Rejected
	✗	03/12/2013 11:28:59	03/12/2013 11:29:09	No data
	✗	03/12/2013 11:29:09	03/12/2013 11:29:49	Tracked / Rejected
	✗	03/12/2013 11:29:49	03/12/2013 11:29:59	No data
	✗	03/12/2013 11:29:59	03/12/2013 11:30:04	Tracked / Rejected
	✗	03/12/2013 11:30:04	03/12/2013 11:32:54	No data
	✗	03/12/2013 11:32:54	03/12/2013 11:34:29	Tracked / Rejected
	✗	03/12/2013 11:34:29	03/12/2013 12:09:59	No data
G18	✗	03/12/2013 07:27:59	03/12/2013 07:47:39	No data
	✗	03/12/2013 07:47:39	03/12/2013 07:47:44	Tracked / Rejected
	✓	03/12/2013 07:47:44	03/12/2013 07:54:44	Tracked / Used
	✗	03/12/2013 07:54:44	03/12/2013 07:54:49	No data
	✗	03/12/2013 07:54:49	03/12/2013 07:55:19	Tracked / Rejected
	✗	03/12/2013 07:55:19	03/12/2013 07:55:29	No data
	✗	03/12/2013 07:55:29	03/12/2013 07:55:39	Tracked / Rejected
	✓	03/12/2013 07:55:39	03/12/2013 12:09:59	Tracked / Used
G21	✗	03/12/2013 07:27:59	03/12/2013 07:32:44	No data
	✗	03/12/2013 07:32:44	03/12/2013 07:32:49	Tracked / Rejected
	✓	03/12/2013 07:32:49	03/12/2013 12:09:59	Tracked / Used
G22	✗	03/12/2013 07:27:59	03/12/2013 09:38:39	No data
	✗	03/12/2013 09:38:39	03/12/2013 09:38:44	Tracked / Rejected
	✓	03/12/2013 09:38:44	03/12/2013 12:09:59	Tracked / Used
G24	✗	03/12/2013 07:27:59	03/12/2013 09:06:54	No data
	✗	03/12/2013 09:06:54	03/12/2013 09:07:09	Tracked / Rejected
	✓	03/12/2013 09:07:09	03/12/2013 12:09:59	Tracked / Used
G25	✓	03/12/2013 07:27:59	03/12/2013 08:01:59	Tracked / Used
	✗	03/12/2013 08:01:59	03/12/2013 08:02:04	Tracked / Rejected
	✗	03/12/2013 08:02:04	03/12/2013 12:09:59	No data
G26	✓	03/12/2013 07:27:59	03/12/2013 09:56:24	Tracked / Used
	✗	03/12/2013 09:56:24	03/12/2013 09:56:29	Tracked / Rejected
	✗	03/12/2013 09:56:29	03/12/2013 12:09:59	No data
G29	✓	03/12/2013 07:27:59	03/12/2013 10:46:04	Tracked / Used
	✗	03/12/2013 10:46:04	03/12/2013 10:46:09	Tracked / Rejected
	✗	03/12/2013 10:46:09	03/12/2013 12:09:59	No data

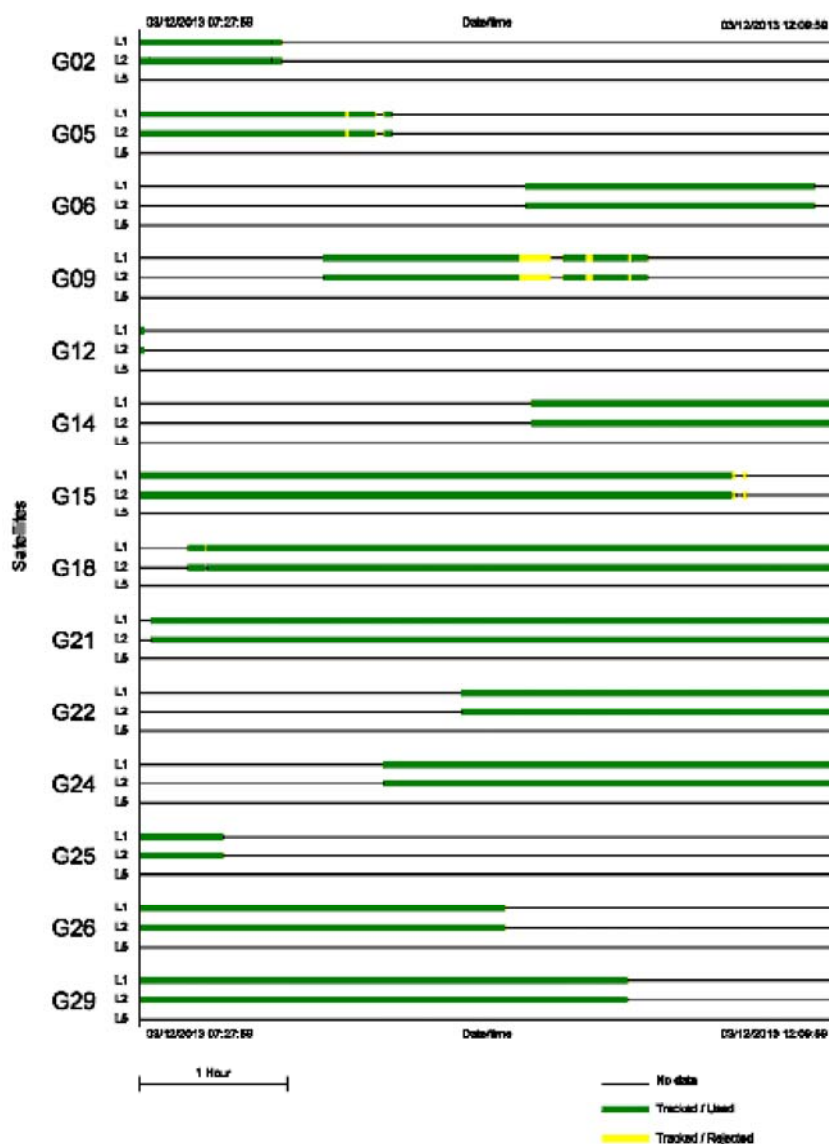
Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/12/2013 07:27:59	03/12/2013 07:31:44	Tracked / Used
	✗	03/12/2013 07:31:44	03/12/2013 07:31:49	No data
	✓	03/12/2013 07:31:49	03/12/2013 08:21:39	Tracked / Used
	✗	03/12/2013 08:21:39	03/12/2013 08:21:49	No data
	✓	03/12/2013 08:21:49	03/12/2013 08:25:39	Tracked / Used
	✗	03/12/2013 08:25:39	03/12/2013 08:25:44	Tracked / Rejected
	✗	03/12/2013 08:25:44	03/12/2013 12:09:59	No data
G05	✓	03/12/2013 07:27:59	03/12/2013 07:31:44	Tracked / Used
	✗	03/12/2013 07:31:44	03/12/2013 07:31:49	Tracked / Rejected
	✓	03/12/2013 07:31:49	03/12/2013 08:51:34	Tracked / Used
		03/12/2013 08:51:34	03/12/2013 08:53:04	Tracked / Rejected

	✗			
	✓	03/12/2013 08:53:04	03/12/2013 09:03:19	Tracked / Used
	✗	03/12/2013 09:03:19	03/12/2013 09:04:09	Tracked / Rejected
	✗	03/12/2013 09:04:09	03/12/2013 09:06:49	No data
	✗	03/12/2013 09:06:49	03/12/2013 09:07:14	Tracked / Rejected
	✗	03/12/2013 09:07:14	03/12/2013 09:07:19	No data
	✗	03/12/2013 09:07:19	03/12/2013 09:07:29	Tracked / Rejected
	✓	03/12/2013 09:07:29	03/12/2013 09:10:29	Tracked / Used
	✗	03/12/2013 09:10:29	03/12/2013 09:10:34	Tracked / Rejected
	✗	03/12/2013 09:10:34	03/12/2013 12:09:59	No data
G06	✗	03/12/2013 07:27:59	03/12/2013 10:04:44	No data
	✓	03/12/2013 10:04:44	03/12/2013 12:01:54	Tracked / Used
	✗	03/12/2013 12:01:54	03/12/2013 12:01:59	Tracked / Rejected
	✗	03/12/2013 12:01:59	03/12/2013 12:09:59	No data
G09	✗	03/12/2013 07:27:59	03/12/2013 08:42:44	No data
	✓	03/12/2013 08:42:44	03/12/2013 10:01:39	Tracked / Used
	✗	03/12/2013 10:01:39	03/12/2013 10:14:59	Tracked / Rejected
	✗	03/12/2013 10:14:59	03/12/2013 10:19:39	No data
	✗	03/12/2013 10:19:39	03/12/2013 10:20:09	Tracked / Rejected
	✓	03/12/2013 10:20:09	03/12/2013 10:29:09	Tracked / Used
	✗	03/12/2013 10:29:09	03/12/2013 10:32:04	Tracked / Rejected
	✓	03/12/2013 10:32:04	03/12/2013 10:46:19	Tracked / Used
	✗	03/12/2013 10:46:19	03/12/2013 10:47:44	Tracked / Rejected
	✓	03/12/2013 10:47:44	03/12/2013 10:54:19	Tracked / Used
	✗	03/12/2013 10:54:19	03/12/2013 10:54:24	Tracked / Rejected
	✗	03/12/2013 10:54:24	03/12/2013 12:09:59	No data
G12	✓	03/12/2013 07:27:59	03/12/2013 07:29:54	Tracked / Used
	✗	03/12/2013 07:29:54	03/12/2013 07:29:59	Tracked / Rejected
	✗	03/12/2013 07:29:59	03/12/2013 12:09:59	No data
G14	✗	03/12/2013 07:27:59	03/12/2013 10:06:59	No data
	✓	03/12/2013 10:06:59	03/12/2013 12:09:59	Tracked / Used
G15	✓	03/12/2013 07:27:59	03/12/2013 07:31:44	Tracked / Used
	✗	03/12/2013 07:31:44	03/12/2013 07:31:49	Tracked / Rejected
	✓	03/12/2013 07:31:49	03/12/2013 11:28:29	Tracked / Used
	✗	03/12/2013 11:28:29	03/12/2013 11:28:34	Tracked / Rejected
	✗	03/12/2013 11:28:34	03/12/2013 11:28:44	No data
	✗	03/12/2013 11:28:44	03/12/2013 11:28:59	Tracked / Rejected
	✗	03/12/2013 11:28:59	03/12/2013 11:29:09	No data
	✗	03/12/2013 11:29:09	03/12/2013 11:29:49	Tracked / Rejected
	✗	03/12/2013 11:29:49	03/12/2013 11:29:59	No data
	✗	03/12/2013 11:29:59	03/12/2013 11:30:04	Tracked / Rejected
	✗	03/12/2013 11:30:04	03/12/2013 11:32:54	No data
	✗	03/12/2013 11:32:54	03/12/2013 11:34:29	Tracked / Rejected
	✗	03/12/2013 11:34:29	03/12/2013 12:09:59	No data
G18	✗	03/12/2013 07:27:59	03/12/2013 07:47:44	No data
	✓	03/12/2013 07:47:44	03/12/2013 07:54:44	Tracked / Used
	✗	03/12/2013 07:54:44	03/12/2013 07:54:59	No data
	✗	03/12/2013 07:54:59	03/12/2013 07:55:19	Tracked / Rejected
	✗	03/12/2013 07:55:19	03/12/2013 07:55:39	No data
	✓	03/12/2013 07:55:39	03/12/2013 12:09:59	Tracked / Used

G21	✗	03/12/2013 07:27:59	03/12/2013 07:32:49	No data
	✓	03/12/2013 07:32:49	03/12/2013 12:09:59	Tracked / Used
G22	✗	03/12/2013 07:27:59	03/12/2013 09:38:44	No data
	✓	03/12/2013 09:38:44	03/12/2013 12:09:59	Tracked / Used
G24	✗	03/12/2013 07:27:59	03/12/2013 09:07:09	No data
	✓	03/12/2013 09:07:09	03/12/2013 12:09:59	Tracked / Used
G25	✓	03/12/2013 07:27:59	03/12/2013 07:31:44	Tracked / Used
	✗	03/12/2013 07:31:44	03/12/2013 07:31:49	Tracked / Rejected
	✓	03/12/2013 07:31:49	03/12/2013 08:01:59	Tracked / Used
	✗	03/12/2013 08:01:59	03/12/2013 08:02:04	Tracked / Rejected
	✗	03/12/2013 08:02:04	03/12/2013 12:09:59	No data
G26	✓	03/12/2013 07:27:59	03/12/2013 07:31:44	Tracked / Used
	✗	03/12/2013 07:31:44	03/12/2013 07:31:49	Tracked / Rejected
	✓	03/12/2013 07:31:49	03/12/2013 09:56:24	Tracked / Used
	✗	03/12/2013 09:56:24	03/12/2013 09:56:29	Tracked / Rejected
	✗	03/12/2013 09:56:29	03/12/2013 12:09:59	No data
G29	✓	03/12/2013 07:27:59	03/12/2013 07:31:44	Tracked / Used
	✗	03/12/2013 07:31:44	03/12/2013 07:31:49	Tracked / Rejected
	✓	03/12/2013 07:31:49	03/12/2013 10:46:04	Tracked / Used
	✗	03/12/2013 10:46:04	03/12/2013 10:46:09	Tracked / Rejected
	✗	03/12/2013 10:46:09	03/12/2013 12:09:59	No data

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 65
 Number of fixed GPS ambiguities: 52
 Number of independent fixes: 955
 Avg. time between independent fixes: 5"

Percentage of fixed epochs (L1): 100%
 Percentage of fixed epochs (L2): 99%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/12/2013 07:27:59	03/12/2013 07:31:44	3' 45"
Not fixed	03/12/2013 07:31:44	03/12/2013 07:31:54	10"
Fixed	03/12/2013 07:31:54	03/12/2013 12:09:59	4h 38' 05"

Cycle Slip Statistics

Total number of cycle slips: 5

Time	Satellite	Frequency	Slip value	Flags
03/12/2013 07:31:44	G05	L1	-	ria
03/12/2013 07:31:44	G15	L1	-	ria
03/12/2013 07:31:44	G25	L1	-	ria
03/12/2013 07:31:44	G26	L1	-	ria
03/12/2013 07:31:44	G29	L1	-	ria

Final Coordinates

	Reference:Q388	Rover:114	
Coordinates:			
Latitude:	29° 13' 34.05387" N	29° 09' 17.06035" N	
Longitude:	90° 00' 23.77099" W	90° 10' 46.24964" W	
Ellip. Hgt:	-22.94902 m	-22.81697 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00029 m Posn. Qlty: 0.00038 m	Sd. Lon: 0.00024 m Sd. Slope: 0.00025 m	Sd. Hgt: 0.00067 m
M0:	0.48428 m		
Cofactor matrix Qxx:	0.00000037	-0.00000001 0.00000024	0.00000004 -0.00000002 0.00000191
Baseline vector:	dLat: -0° 04' 16.99351" Slope: 18585.59937 m	dLon: -0° 10' 22.47865"	dHgt: 0.13205 m
DOPs (min-max):	GDOP: 1.9 - 7.4 PDOP: 1.6 - 5.8	HDOP: 0.8 - 2.0	VDOP: 1.4 - 5.6
Number of used satellites:	GPS: 14 GLONASS: -		

Results - Baseline

Q388 - 510

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:50

Point Information

	Reference: Q388	Rover: 510
Receiver type / S/N:	SR530 / 34012	GRX1200GGPRO / 353211
Antenna type / S/N:	AT502 Tripod / -	AX1202 GG Tripod / -
Antenna height:	1.33100 m	1.23300 m
Initial coordinates:		
Latitude:	29° 13' 34.05387" N	29° 14' 13.60218" N
Longitude:	90° 00' 23.77099" W	89° 59' 23.63011" W
Ellip. Hgt:	-22.94902 m	-24.43220 m
Time span:	03/12/2013 07:34:34 - 03/12/2013 10:13:54	
Duration:	2h 39' 20"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 13' 34.05387" N
 Longitude: 90° 00' 23.77099" W
 Time (UT): 03/12/2013 12:27:54

Validity: From epoch: 03/12/2013 07:27:54
 To epoch: 03/12/2013 12:09:59

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.04197150	0.00625749
	0	1	1.26288487	0.00607750
	0	2	-0.15070571	0.00258415
	1	0	-0.03536315	0.00706738
	1	1	-0.26735669	0.00571894

Antenna Information

	Reference: Q388	Rover: 510
Antenna type:	AT502 Tripod	AX1202 GG Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06440 m	0.06400 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.3	1.2	2.6	4.4	6.4	8.5	10.4	12.1	13.4	14.3	14.8	15.1	15.1	14.6	13.6	11.9	9.2	5.9
0° L2	0.0	0.1	0.6	1.2	2.1	3.0	4.0	5.1	6.1	6.9	7.4	7.6	7.4	6.8	6.1	5.1	3.8	1.9	-0.8

Observation Statistics

Number of common epochs: 1913

GPS:

Number of used observations (L1): 13282
 Number of rejected observations (L1): 97
 Number of used observations (L2): 13215
 Number of rejected observations (L2): 104

Tracking Status GPS L1:

Satellite		From	To	Status
G02	✓	03/12/2013 07:34:34	03/12/2013 08:26:09	Tracked / Used
	✗	03/12/2013 08:26:09	03/12/2013 08:26:14	Tracked / Rejected
	✗	03/12/2013 08:26:14	03/12/2013 10:13:54	No data
G05	✓	03/12/2013 07:34:34	03/12/2013 08:42:09	Tracked / Used
	✗	03/12/2013 08:42:09	03/12/2013 08:43:09	No data
	✓	03/12/2013 08:43:09	03/12/2013 08:44:44	Tracked / Used
	✗	03/12/2013 08:44:44	03/12/2013 08:45:19	No data
	✓	03/12/2013 08:45:19	03/12/2013 08:55:29	Tracked / Used
	✗	03/12/2013 08:55:29	03/12/2013 08:55:49	No data
	✓	03/12/2013 08:55:49	03/12/2013 08:56:34	Tracked / Used
	✗	03/12/2013 08:56:34	03/12/2013 08:56:49	No data
	✓	03/12/2013 08:56:49	03/12/2013 08:58:09	Tracked / Used
	✗	03/12/2013 08:58:09	03/12/2013 08:58:34	No data
	✓	03/12/2013 08:58:34	03/12/2013 08:59:49	Tracked / Used
	✗	03/12/2013 08:59:49	03/12/2013 09:00:34	No data
	✓	03/12/2013 09:00:34	03/12/2013 09:04:09	Tracked / Used
	✗	03/12/2013 09:04:09	03/12/2013 09:06:49	No data
	✗	03/12/2013 09:06:49	03/12/2013 09:07:14	Tracked / Rejected
	✗	03/12/2013 09:07:14	03/12/2013 09:07:19	No data
	✓	03/12/2013 09:07:19	03/12/2013 09:11:14	Tracked / Used
	✗	03/12/2013 09:11:14	03/12/2013 09:11:19	Tracked / Rejected
	✗	03/12/2013 09:11:19	03/12/2013 10:13:54	No data
G06	✗	03/12/2013 07:34:34	03/12/2013 09:51:49	No data
	✗	03/12/2013 09:51:49	03/12/2013 09:51:54	Tracked / Rejected
	✗	03/12/2013 09:51:54	03/12/2013 10:05:49	No data
	✗	03/12/2013 10:05:49	03/12/2013 10:06:29	Tracked / Rejected
	✗	03/12/2013 10:06:29	03/12/2013 10:06:39	No data
	✗	03/12/2013 10:06:39	03/12/2013 10:06:54	Tracked / Rejected
	✗	03/12/2013 10:06:54	03/12/2013 10:07:29	No data
	✗	03/12/2013 10:07:29	03/12/2013 10:08:29	Tracked / Rejected
	✗	03/12/2013 10:08:29	03/12/2013 10:11:54	No data
	✗	03/12/2013 10:11:54	03/12/2013 10:11:59	Tracked / Rejected
	✗	03/12/2013 10:11:59	03/12/2013 10:12:19	No data
	✓	03/12/2013 10:12:19	03/12/2013 10:13:54	Tracked / Used
G09	✗	03/12/2013 07:34:34	03/12/2013 08:27:24	No data
	✗	03/12/2013 08:27:24	03/12/2013 08:27:29	Tracked / Rejected
	✗	03/12/2013 08:27:29	03/12/2013 08:41:09	No data
	✓	03/12/2013 08:41:09	03/12/2013 10:00:04	Tracked / Used
	✗	03/12/2013 10:00:04	03/12/2013 10:00:24	No data
	✓	03/12/2013 10:00:24	03/12/2013 10:02:44	Tracked / Used
	✗	03/12/2013 10:02:44	03/12/2013 10:03:29	No data
	✓	03/12/2013 10:03:29	03/12/2013 10:03:54	Tracked / Used
	✗	03/12/2013 10:03:54	03/12/2013 10:09:29	No data

G14	✓	03/12/2013 10:09:29	03/12/2013 10:13:54	Tracked / Used
	✗	03/12/2013 07:34:34	03/12/2013 09:58:29	No data
	✗	03/12/2013 09:58:29	03/12/2013 09:58:34	Tracked / Rejected
	✗	03/12/2013 09:58:34	03/12/2013 10:06:19	No data
G15	✓	03/12/2013 10:06:19	03/12/2013 10:13:54	Tracked / Used
	✓	03/12/2013 07:34:34	03/12/2013 10:13:54	Tracked / Used
G18	✗	03/12/2013 07:34:34	03/12/2013 07:47:24	No data
G21	✓	03/12/2013 07:47:24	03/12/2013 10:13:54	Tracked / Used
	✗	03/12/2013 07:34:34	03/12/2013 07:38:39	No data
	✗	03/12/2013 07:38:39	03/12/2013 07:41:24	Tracked / Rejected
	✗	03/12/2013 07:41:24	03/12/2013 07:41:44	No data
	✗	03/12/2013 07:41:44	03/12/2013 07:42:09	Tracked / Rejected
	✗	03/12/2013 07:42:09	03/12/2013 07:43:19	No data
	✗	03/12/2013 07:43:19	03/12/2013 07:43:24	Tracked / Rejected
	✗	03/12/2013 07:43:24	03/12/2013 07:48:19	No data
	✓	03/12/2013 07:48:19	03/12/2013 07:49:34	Tracked / Used
	✗	03/12/2013 07:49:34	03/12/2013 07:52:14	No data
	✓	03/12/2013 07:52:14	03/12/2013 07:52:54	Tracked / Used
	✗	03/12/2013 07:52:54	03/12/2013 07:58:19	No data
	✗	03/12/2013 07:58:19	03/12/2013 07:58:29	Tracked / Rejected
	✗	03/12/2013 07:58:29	03/12/2013 07:59:09	No data
	✓	03/12/2013 07:59:09	03/12/2013 08:01:34	Tracked / Used
	✗	03/12/2013 08:01:34	03/12/2013 08:01:59	Tracked / Rejected
	✗	03/12/2013 08:01:59	03/12/2013 08:02:04	No data
	✓	03/12/2013 08:02:04	03/12/2013 08:02:29	Tracked / Used
	✗	03/12/2013 08:02:29	03/12/2013 08:02:39	Tracked / Rejected
G22	✗	03/12/2013 08:02:39	03/12/2013 08:02:49	No data
	✓	03/12/2013 08:02:49	03/12/2013 10:13:54	Tracked / Used
	✗	03/12/2013 07:34:34	03/12/2013 09:33:09	No data
	✗	03/12/2013 09:33:09	03/12/2013 09:33:14	Tracked / Rejected
	✗	03/12/2013 09:33:14	03/12/2013 09:38:24	No data
	✗	03/12/2013 09:38:24	03/12/2013 09:39:04	Tracked / Rejected
	✗	03/12/2013 09:39:04	03/12/2013 09:39:49	No data
	✗	03/12/2013 09:39:49	03/12/2013 09:39:54	Tracked / Rejected
	✗	03/12/2013 09:39:54	03/12/2013 09:40:39	No data
	✗	03/12/2013 09:40:39	03/12/2013 09:40:49	Tracked / Rejected
	✗	03/12/2013 09:40:49	03/12/2013 09:41:19	No data
	✓	03/12/2013 09:41:19	03/12/2013 09:44:44	Tracked / Used
	✗	03/12/2013 09:44:44	03/12/2013 09:46:09	No data
	✓	03/12/2013 09:46:09	03/12/2013 09:51:24	Tracked / Used
	✗	03/12/2013 09:51:24	03/12/2013 09:51:29	No data
	✓	03/12/2013 09:51:29	03/12/2013 10:13:54	Tracked / Used
G24	✗	03/12/2013 07:34:34	03/12/2013 08:55:09	No data
	✗	03/12/2013 08:55:09	03/12/2013 08:55:14	Tracked / Rejected
	✗	03/12/2013 08:55:14	03/12/2013 09:05:54	No data
G25	✓	03/12/2013 09:05:54	03/12/2013 10:13:54	Tracked / Used
	✓	03/12/2013 07:34:34	03/12/2013 08:01:19	Tracked / Used
	✗	03/12/2013 08:01:19	03/12/2013 08:01:24	Tracked / Rejected
G26	✗	03/12/2013 08:01:24	03/12/2013 10:13:54	No data
	✓	03/12/2013 07:34:34	03/12/2013 09:56:49	Tracked / Used

G29	✗	03/12/2013 09:56:49	03/12/2013 09:56:54	Tracked / Rejected
	✗	03/12/2013 09:56:54	03/12/2013 10:13:54	No data
	✓	03/12/2013 07:34:34	03/12/2013 10:13:54	Tracked / Used

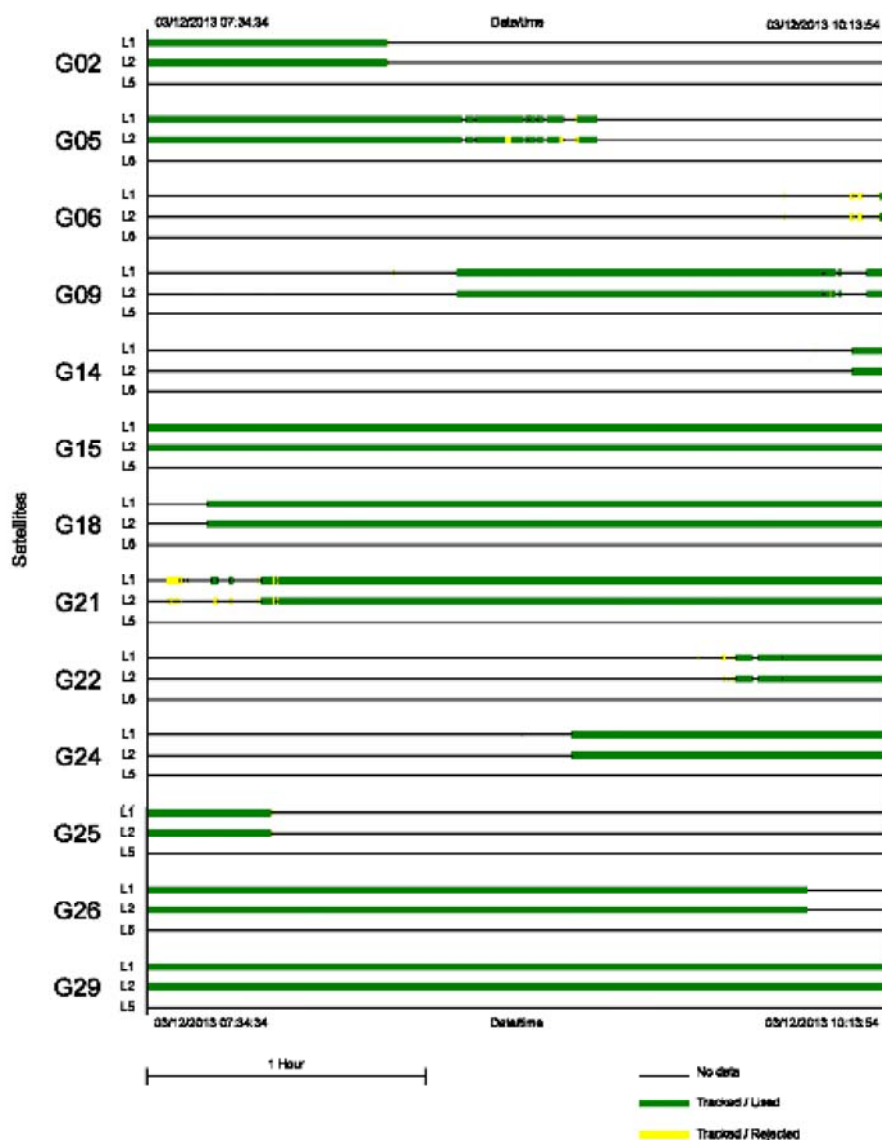
Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/12/2013 07:34:34	03/12/2013 08:26:09	Tracked / Used
	✗	03/12/2013 08:26:09	03/12/2013 08:26:14	Tracked / Rejected
	✗	03/12/2013 08:26:14	03/12/2013 10:13:54	No data
G05	✓	03/12/2013 07:34:34	03/12/2013 08:42:09	Tracked / Used
	✗	03/12/2013 08:42:09	03/12/2013 08:43:09	No data
	✓	03/12/2013 08:43:09	03/12/2013 08:44:44	Tracked / Used
	✗	03/12/2013 08:44:44	03/12/2013 08:45:19	No data
	✓	03/12/2013 08:45:19	03/12/2013 08:51:34	Tracked / Used
	✗	03/12/2013 08:51:34	03/12/2013 08:53:04	Tracked / Rejected
	✓	03/12/2013 08:53:04	03/12/2013 08:55:29	Tracked / Used
	✗	03/12/2013 08:55:29	03/12/2013 08:55:49	No data
	✓	03/12/2013 08:55:49	03/12/2013 08:56:34	Tracked / Used
	✗	03/12/2013 08:56:34	03/12/2013 08:56:49	No data
	✓	03/12/2013 08:56:49	03/12/2013 08:58:09	Tracked / Used
	✗	03/12/2013 08:58:09	03/12/2013 08:58:34	No data
	✓	03/12/2013 08:58:34	03/12/2013 08:59:49	Tracked / Used
	✗	03/12/2013 08:59:49	03/12/2013 09:00:34	No data
	✓	03/12/2013 09:00:34	03/12/2013 09:03:19	Tracked / Used
	✗	03/12/2013 09:03:19	03/12/2013 09:04:09	Tracked / Rejected
	✗	03/12/2013 09:04:09	03/12/2013 09:06:49	No data
	✗	03/12/2013 09:06:49	03/12/2013 09:07:14	Tracked / Rejected
	✗	03/12/2013 09:07:14	03/12/2013 09:07:19	No data
	✗	03/12/2013 09:07:19	03/12/2013 09:07:29	Tracked / Rejected
	✓	03/12/2013 09:07:29	03/12/2013 09:11:14	Tracked / Used
	✗	03/12/2013 09:11:14	03/12/2013 09:11:19	Tracked / Rejected
	✗	03/12/2013 09:11:19	03/12/2013 10:13:54	No data
G06	✗	03/12/2013 07:34:34	03/12/2013 09:51:49	No data
	✗	03/12/2013 09:51:49	03/12/2013 09:51:54	Tracked / Rejected
	✗	03/12/2013 09:51:54	03/12/2013 10:05:49	No data
	✗	03/12/2013 10:05:49	03/12/2013 10:06:29	Tracked / Rejected
	✗	03/12/2013 10:06:29	03/12/2013 10:06:44	No data
	✗	03/12/2013 10:06:44	03/12/2013 10:06:54	Tracked / Rejected
	✗	03/12/2013 10:06:54	03/12/2013 10:07:29	No data
	✗	03/12/2013 10:07:29	03/12/2013 10:08:29	Tracked / Rejected
	✗	03/12/2013 10:08:29	03/12/2013 10:11:54	No data
	✗	03/12/2013 10:11:54	03/12/2013 10:11:59	Tracked / Rejected
	✗	03/12/2013 10:11:59	03/12/2013 10:12:19	No data
	✓	03/12/2013 10:12:19	03/12/2013 10:13:04	Tracked / Used
	✗	03/12/2013 10:13:04	03/12/2013 10:13:24	No data
	✗	03/12/2013 10:13:24	03/12/2013 10:13:39	Tracked / Rejected
G09	✗	03/12/2013 10:13:39	03/12/2013 10:13:54	No data
	✗	03/12/2013 07:34:34	03/12/2013 08:41:09	No data
	✓	03/12/2013 08:41:09	03/12/2013 10:00:04	Tracked / Used
	✗	03/12/2013 10:00:04	03/12/2013 10:00:24	No data
		03/12/2013 10:00:24	03/12/2013 10:01:39	Tracked / Used

	✓			
	✗	03/12/2013 10:01:39	03/12/2013 10:01:54	Tracked / Rejected
	✓	03/12/2013 10:01:54	03/12/2013 10:02:44	Tracked / Used
	✗	03/12/2013 10:02:44	03/12/2013 10:03:29	No data
	✓	03/12/2013 10:03:29	03/12/2013 10:03:54	Tracked / Used
	✗	03/12/2013 10:03:54	03/12/2013 10:09:29	No data
	✓	03/12/2013 10:09:29	03/12/2013 10:13:54	Tracked / Used
G14	✗	03/12/2013 07:34:34	03/12/2013 10:06:19	No data
	✓	03/12/2013 10:06:19	03/12/2013 10:13:54	Tracked / Used
G15	✓	03/12/2013 07:34:34	03/12/2013 10:13:54	Tracked / Used
G18	✗	03/12/2013 07:34:34	03/12/2013 07:47:24	No data
	✓	03/12/2013 07:47:24	03/12/2013 10:13:54	Tracked / Used
G21	✗	03/12/2013 07:34:34	03/12/2013 07:38:59	No data
	✗	03/12/2013 07:38:59	03/12/2013 07:39:04	Tracked / Rejected
	✗	03/12/2013 07:39:04	03/12/2013 07:39:19	No data
	✗	03/12/2013 07:39:19	03/12/2013 07:39:29	Tracked / Rejected
	✗	03/12/2013 07:39:29	03/12/2013 07:39:34	No data
	✗	03/12/2013 07:39:34	03/12/2013 07:39:39	Tracked / Rejected
	✗	03/12/2013 07:39:39	03/12/2013 07:39:44	No data
	✗	03/12/2013 07:39:44	03/12/2013 07:39:49	Tracked / Rejected
	✗	03/12/2013 07:39:49	03/12/2013 07:40:19	No data
	✗	03/12/2013 07:40:19	03/12/2013 07:40:24	Tracked / Rejected
	✗	03/12/2013 07:40:24	03/12/2013 07:40:34	No data
	✗	03/12/2013 07:40:34	03/12/2013 07:40:39	Tracked / Rejected
	✗	03/12/2013 07:40:39	03/12/2013 07:40:59	No data
	✗	03/12/2013 07:40:59	03/12/2013 07:41:04	Tracked / Rejected
	✗	03/12/2013 07:41:04	03/12/2013 07:41:09	No data
	✗	03/12/2013 07:41:09	03/12/2013 07:41:14	Tracked / Rejected
	✗	03/12/2013 07:41:14	03/12/2013 07:41:49	No data
	✗	03/12/2013 07:41:49	03/12/2013 07:41:54	Tracked / Rejected
	✗	03/12/2013 07:41:54	03/12/2013 07:48:34	No data
	✗	03/12/2013 07:48:34	03/12/2013 07:48:39	Tracked / Rejected
	✗	03/12/2013 07:48:39	03/12/2013 07:48:49	No data
	✗	03/12/2013 07:48:49	03/12/2013 07:49:09	Tracked / Rejected
	✗	03/12/2013 07:49:09	03/12/2013 07:49:19	No data
	✗	03/12/2013 07:49:19	03/12/2013 07:49:34	Tracked / Rejected
	✗	03/12/2013 07:49:34	03/12/2013 07:52:14	No data
	✗	03/12/2013 07:52:14	03/12/2013 07:52:19	Tracked / Rejected
	✗	03/12/2013 07:52:19	03/12/2013 07:52:39	No data
	✗	03/12/2013 07:52:39	03/12/2013 07:52:49	Tracked / Rejected
	✗	03/12/2013 07:52:49	03/12/2013 07:58:19	No data
	✗	03/12/2013 07:58:19	03/12/2013 07:58:29	Tracked / Rejected
	✗	03/12/2013 07:58:29	03/12/2013 07:59:09	No data
	✓	03/12/2013 07:59:09	03/12/2013 08:01:34	Tracked / Used
	✗	03/12/2013 08:01:34	03/12/2013 08:01:59	Tracked / Rejected
	✗	03/12/2013 08:01:59	03/12/2013 08:02:04	No data
	✓	03/12/2013 08:02:04	03/12/2013 08:02:29	Tracked / Used
	✗	03/12/2013 08:02:29	03/12/2013 08:02:39	Tracked / Rejected
	✗	03/12/2013 08:02:39	03/12/2013 08:02:49	No data
	✓	03/12/2013 08:02:49	03/12/2013 10:13:54	Tracked / Used

G22	✗	03/12/2013 07:34:34	03/12/2013 09:38:34	No data
	✗	03/12/2013 09:38:34	03/12/2013 09:38:44	Tracked / Rejected
	✗	03/12/2013 09:38:44	03/12/2013 09:39:49	No data
	✗	03/12/2013 09:39:49	03/12/2013 09:39:54	Tracked / Rejected
	✗	03/12/2013 09:39:54	03/12/2013 09:40:39	No data
	✗	03/12/2013 09:40:39	03/12/2013 09:40:49	Tracked / Rejected
	✗	03/12/2013 09:40:49	03/12/2013 09:41:19	No data
	✓	03/12/2013 09:41:19	03/12/2013 09:44:44	Tracked / Used
	✗	03/12/2013 09:44:44	03/12/2013 09:46:09	No data
	✓	03/12/2013 09:46:09	03/12/2013 09:51:24	Tracked / Used
	✗	03/12/2013 09:51:24	03/12/2013 09:51:29	No data
	✓	03/12/2013 09:51:29	03/12/2013 10:13:54	Tracked / Used
G24	✗	03/12/2013 07:34:34	03/12/2013 09:05:54	No data
	✓	03/12/2013 09:05:54	03/12/2013 10:13:54	Tracked / Used
G25	✓	03/12/2013 07:34:34	03/12/2013 08:01:19	Tracked / Used
	✗	03/12/2013 08:01:19	03/12/2013 08:01:24	Tracked / Rejected
	✗	03/12/2013 08:01:24	03/12/2013 10:13:54	No data
G26	✓	03/12/2013 07:34:34	03/12/2013 09:56:49	Tracked / Used
	✗	03/12/2013 09:56:49	03/12/2013 09:56:54	Tracked / Rejected
	✗	03/12/2013 09:56:54	03/12/2013 10:13:54	No data
G29	✓	03/12/2013 07:34:34	03/12/2013 10:13:54	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 105
 Number of fixed GPS ambiguities: 59
 Number of independent fixes: 772
 Avg. time between independent fixes: 5"

 Percentage of fixed epochs (L1): 99%
 Percentage of fixed epochs (L2): 100%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/12/2013 07:34:34	03/12/2013 10:13:54	2h 39' 20"

Cycle Slip Statistics

Total number of cycle slips: 11

Time	Satellite	Frequency	Slip value	Flags
03/12/2013 07:39:24	G21	L2	-	ria
03/12/2013 07:48:54	G21	L2	-	ria
03/12/2013 07:48:59	G21	L2	-	ria
03/12/2013 07:49:04	G21	L2	-	ria
03/12/2013 07:52:44	G21	L2	-	ria
03/12/2013 08:01:34	G21	L1	-	ria
03/12/2013 08:01:34	G21	L2	-	ria
03/12/2013 08:02:29	G21	L1	-	ria
03/12/2013 08:02:29	G21	L2	-	ria
03/12/2013 08:06:19	G21	L2	-	ria
03/12/2013 09:38:39	G22	L2	-	ria

Final Coordinates

	Reference:Q388	Rover:510	
Coordinates:			
Latitude:	29° 13' 34.05387" N	29° 14' 13.55582" N	
Longitude:	90° 00' 23.77099" W	89° 59' 23.58788" W	
Ellip. Hgt:	-22.94902 m	-22.93579 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00017 m Posn. Qlty: 0.00022 m	Sd. Lon: 0.00014 m Sd. Slope: 0.00015 m	Sd. Hgt: 0.00038 m
M0:	0.86682 m		
Cofactor matrix Qxx:	0.00000004	-0.00000000 0.00000003	0.00000001 0.00000001 0.00000019
Baseline vector:	dLat: 0° 00' 39.50195" Slope: 2029.95867 m	dLon: 0° 01' 00.18311"	dHgt: 0.01324 m
DOPs (min-max):	GDOP: 2.0 - 4.4 PDOP: 1.8 - 3.6	HDOP: 0.8 - 2.0	VDOP: 1.5 - 3.0
Number of used satellites:	GPS: 13 GLONASS: -		

Results - Baseline

Q388 - 511

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:52

Point Information

	Reference: Q388	Rover: 511
Receiver type / S/N:	SR530 / 34012	ATX1230 / 316021
Antenna type / S/N:	AT502 Tripod / -	ATX1230 Tripod / -
Antenna height:	1.33100 m	1.25700 m
Initial coordinates:		
Latitude:	29° 13' 34.05387" N	29° 14' 10.42141" N
Longitude:	90° 00' 23.77099" W	89° 59' 20.93619" W
Ellip. Hgt:	-22.94902 m	-24.17688 m
Time span:	03/12/2013 07:40:59 - 03/12/2013 10:10:59	
Duration:	2h 30' 00"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	15	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 13' 34.05387" N
 Longitude: 90° 00' 23.77099" W
 Time (UT): 03/12/2013 12:27:54

Validity: From epoch: 03/12/2013 07:27:54
 To epoch: 03/12/2013 12:09:59

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.04197150	0.00625749
	0	1	1.26288487	0.00607750
	0	2	-0.15070571	0.00258415
	1	0	-0.03536315	0.00706738
	1	1	-0.26735669	0.00571894

Antenna Information

	Reference: Q388	Rover: 511
Antenna type:	AT502 Tripod	ATX1230 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.08880 m	0.08850 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.4	1.4	2.8	4.5	6.4	8.4	10.2	12.0	13.5	14.8	15.6	15.8	15.6	14.8	13.5	11.7	9.2	6.0
0° L2	0.0	0.2	0.6	1.3	2.1	3.1	4.0	5.0	5.9	6.7	7.3	7.7	7.7	7.4	6.7	5.7	4.0	1.7	-1.6

Observation Statistics

Number of common epochs: 601

GPS:

Number of used observations (L1): 4328
 Number of rejected observations (L1): 9
 Number of used observations (L2): 4318
 Number of rejected observations (L2): 19

Tracking Status GPS L1:

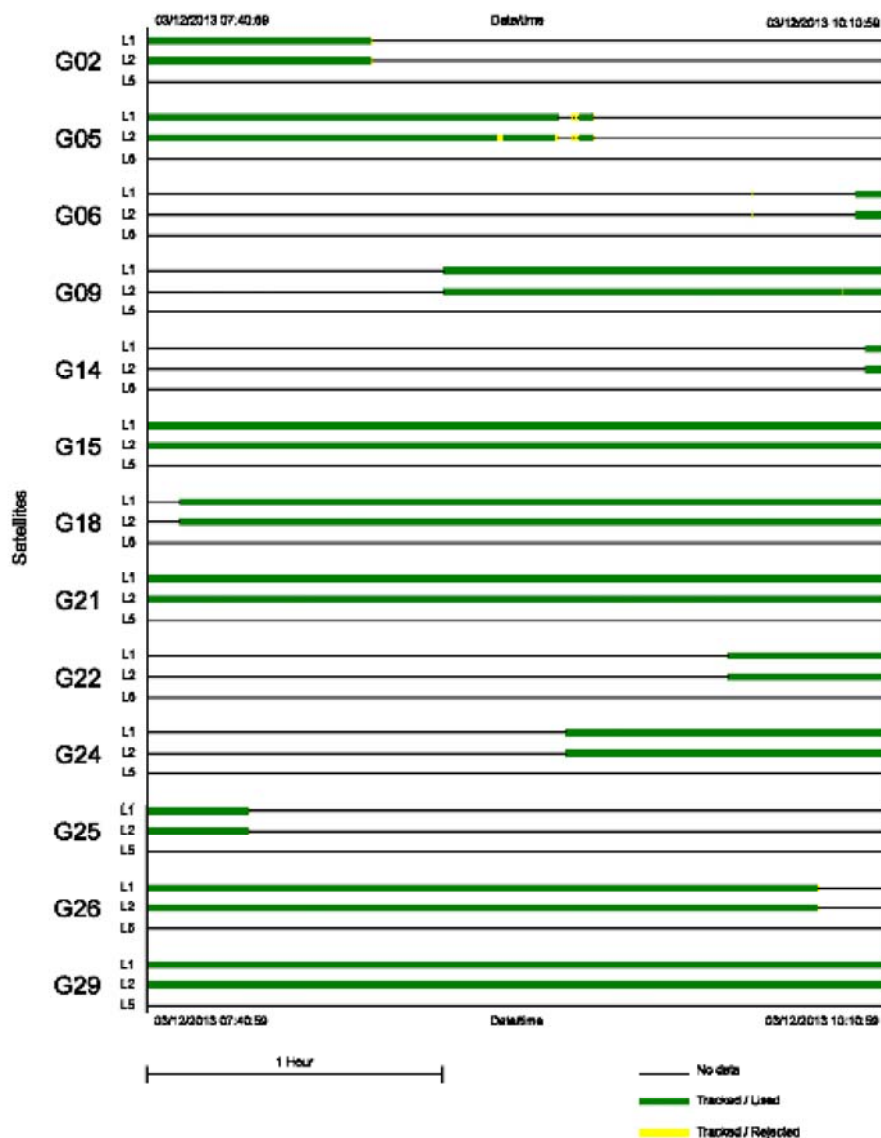
Satellite		From	To	Status
G02	✓	03/12/2013 07:40:59	03/12/2013 08:26:14	Tracked / Used
	✗	03/12/2013 08:26:14	03/12/2013 08:26:29	Tracked / Rejected
	✗	03/12/2013 08:26:29	03/12/2013 10:10:59	No data
G05	✓	03/12/2013 07:40:59	03/12/2013 09:04:14	Tracked / Used
	✗	03/12/2013 09:04:14	03/12/2013 09:06:59	No data
	✗	03/12/2013 09:06:59	03/12/2013 09:07:14	Tracked / Rejected
	✗	03/12/2013 09:07:14	03/12/2013 09:07:29	No data
	✗	03/12/2013 09:07:29	03/12/2013 09:08:14	Tracked / Rejected
	✗	03/12/2013 09:08:14	03/12/2013 09:08:29	No data
	✓	03/12/2013 09:08:29	03/12/2013 09:11:14	Tracked / Used
	✗	03/12/2013 09:11:14	03/12/2013 09:11:29	Tracked / Rejected
	✗	03/12/2013 09:11:29	03/12/2013 10:10:59	No data
G06	✗	03/12/2013 07:40:59	03/12/2013 09:43:29	No data
	✗	03/12/2013 09:43:29	03/12/2013 09:43:44	Tracked / Rejected
	✗	03/12/2013 09:43:44	03/12/2013 10:04:29	No data
	✓	03/12/2013 10:04:29	03/12/2013 10:10:59	Tracked / Used
G09	✗	03/12/2013 07:40:59	03/12/2013 08:40:59	No data
	✓	03/12/2013 08:40:59	03/12/2013 10:10:59	Tracked / Used
G14	✗	03/12/2013 07:40:59	03/12/2013 10:06:29	No data
	✓	03/12/2013 10:06:29	03/12/2013 10:10:59	Tracked / Used
G15	✓	03/12/2013 07:40:59	03/12/2013 10:10:59	Tracked / Used
G18	✗	03/12/2013 07:40:59	03/12/2013 07:47:29	No data
	✓	03/12/2013 07:47:29	03/12/2013 10:10:59	Tracked / Used
G21	✓	03/12/2013 07:40:59	03/12/2013 10:10:59	Tracked / Used
G22	✗	03/12/2013 07:40:59	03/12/2013 09:38:44	No data
	✓	03/12/2013 09:38:44	03/12/2013 10:10:59	Tracked / Used
G24	✗	03/12/2013 07:40:59	03/12/2013 09:05:44	No data
	✓	03/12/2013 09:05:44	03/12/2013 10:10:59	Tracked / Used
G25	✓	03/12/2013 07:40:59	03/12/2013 08:01:29	Tracked / Used
	✗	03/12/2013 08:01:29	03/12/2013 08:01:44	Tracked / Rejected
	✗	03/12/2013 08:01:44	03/12/2013 10:10:59	No data
G26	✓	03/12/2013 07:40:59	03/12/2013 09:56:59	Tracked / Used
	✗	03/12/2013 09:56:59	03/12/2013 09:57:14	Tracked / Rejected
	✗	03/12/2013 09:57:14	03/12/2013 10:10:59	No data
G29	✓	03/12/2013 07:40:59	03/12/2013 10:10:59	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/12/2013 07:40:59	03/12/2013 08:26:14	Tracked / Used
	✗	03/12/2013 08:26:14	03/12/2013 08:26:29	Tracked / Rejected
	✗	03/12/2013 08:26:29	03/12/2013 10:10:59	No data
G05	✓	03/12/2013 07:40:59	03/12/2013 08:51:44	Tracked / Used
	✗	03/12/2013 08:51:44	03/12/2013 08:53:14	Tracked / Rejected

	✓	03/12/2013 08:53:14	03/12/2013 09:03:29	Tracked / Used
	✗	03/12/2013 09:03:29	03/12/2013 09:04:14	Tracked / Rejected
	✗	03/12/2013 09:04:14	03/12/2013 09:06:59	No data
	✗	03/12/2013 09:06:59	03/12/2013 09:07:14	Tracked / Rejected
	✗	03/12/2013 09:07:14	03/12/2013 09:07:29	No data
	✗	03/12/2013 09:07:29	03/12/2013 09:08:14	Tracked / Rejected
	✗	03/12/2013 09:08:14	03/12/2013 09:08:29	No data
	✓	03/12/2013 09:08:29	03/12/2013 09:11:14	Tracked / Used
	✗	03/12/2013 09:11:14	03/12/2013 09:11:29	Tracked / Rejected
	✗	03/12/2013 09:11:29	03/12/2013 10:10:59	No data
G06	✗	03/12/2013 07:40:59	03/12/2013 09:43:29	No data
	✗	03/12/2013 09:43:29	03/12/2013 09:43:44	Tracked / Rejected
	✗	03/12/2013 09:43:44	03/12/2013 10:04:29	No data
	✓	03/12/2013 10:04:29	03/12/2013 10:10:59	Tracked / Used
G09	✗	03/12/2013 07:40:59	03/12/2013 08:40:59	No data
	✓	03/12/2013 08:40:59	03/12/2013 10:01:44	Tracked / Used
	✗	03/12/2013 10:01:44	03/12/2013 10:01:59	Tracked / Rejected
	✓	03/12/2013 10:01:59	03/12/2013 10:10:59	Tracked / Used
G14	✗	03/12/2013 07:40:59	03/12/2013 10:06:29	No data
	✓	03/12/2013 10:06:29	03/12/2013 10:10:59	Tracked / Used
G15	✓	03/12/2013 07:40:59	03/12/2013 10:10:59	Tracked / Used
G18	✗	03/12/2013 07:40:59	03/12/2013 07:47:29	No data
	✓	03/12/2013 07:47:29	03/12/2013 10:10:59	Tracked / Used
G21	✓	03/12/2013 07:40:59	03/12/2013 10:10:59	Tracked / Used
G22	✗	03/12/2013 07:40:59	03/12/2013 09:38:44	No data
	✓	03/12/2013 09:38:44	03/12/2013 10:10:59	Tracked / Used
G24	✗	03/12/2013 07:40:59	03/12/2013 09:05:44	No data
	✓	03/12/2013 09:05:44	03/12/2013 10:10:59	Tracked / Used
G25	✓	03/12/2013 07:40:59	03/12/2013 08:01:29	Tracked / Used
	✗	03/12/2013 08:01:29	03/12/2013 08:01:44	Tracked / Rejected
	✗	03/12/2013 08:01:44	03/12/2013 10:10:59	No data
G26	✓	03/12/2013 07:40:59	03/12/2013 09:56:59	Tracked / Used
	✗	03/12/2013 09:56:59	03/12/2013 09:57:14	Tracked / Rejected
	✗	03/12/2013 09:57:14	03/12/2013 10:10:59	No data
G29	✓	03/12/2013 07:40:59	03/12/2013 10:10:59	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	38
Number of fixed GPS ambiguities:	30
Number of independent fixes:	289
Avg. time between independent fixes:	15"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/12/2013 07:40:59	03/12/2013 10:10:59	2h 30' 00"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:Q388	Rover:511	
Coordinates:			
Latitude:	29° 13' 34.05387" N	29° 14' 10.37388" N	
Longitude:	90° 00' 23.77099" W	89° 59' 20.89838" W	
Ellip. Hgt:	-22.94902 m	-22.89766 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00026 m Posn. Qlty: 0.00033 m	Sd. Lon: 0.00021 m Sd. Slope: 0.00022 m	Sd. Hgt: 0.00056 m
M0:	0.74342 m		
Cofactor matrix Qxx:	0.00000012	-0.00000000 0.00000008	0.00000003 0.00000001 0.00000057
Baseline vector:	dLat: 0° 00' 36.32002" Slope: 2033.08287 m	dLon: 0° 01' 02.87261"	dHgt: 0.05136 m
DOPs (min-max):	GDOP: 2.0 - 4.4 PDOP: 1.8 - 3.6	HDOP: 0.8 - 2.0	VDOP: 1.5 - 3.0
Number of used satellites:	GPS: 13 GLONASS: -		

Results - Baseline

S393 - 185

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:14

Point Information

	Reference: S393	Rover: 185
Receiver type / S/N:	SR530 / 34012	SR530 / 34472
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.33000 m	1.24100 m
Initial coordinates:		
Latitude:	29° 35' 01.95220" N	29° 36' 20.81495" N
Longitude:	89° 49' 50.44246" W	89° 53' 16.14506" W
Ellip. Hgt:	-23.88903 m	-26.42351 m
Time span:	03/15/2013 06:58:34 - 03/15/2013 09:38:14	
Duration:	2h 39' 40"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 35' 01.95220" N
 Longitude: 89° 49' 50.44246" W
 Time (UT): 03/15/2013 11:52:39

Validity: From epoch: 03/15/2013 06:52:39
 To epoch: 03/15/2013 09:38:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.70924412	0.00572629
	0	1	0.99097997	0.01076050
	0	2	0.01526733	0.00835093
	1	0	-0.01443413	0.00538264
	1	1	-0.09858132	0.00758667

Antenna Information

	Reference: S393	Rover: 185
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1916

GPS:

Number of used observations (L1): 13451
 Number of rejected observations (L1): 7
 Number of used observations (L2): 13425
 Number of rejected observations (L2): 22

Tracking Status GPS L1:

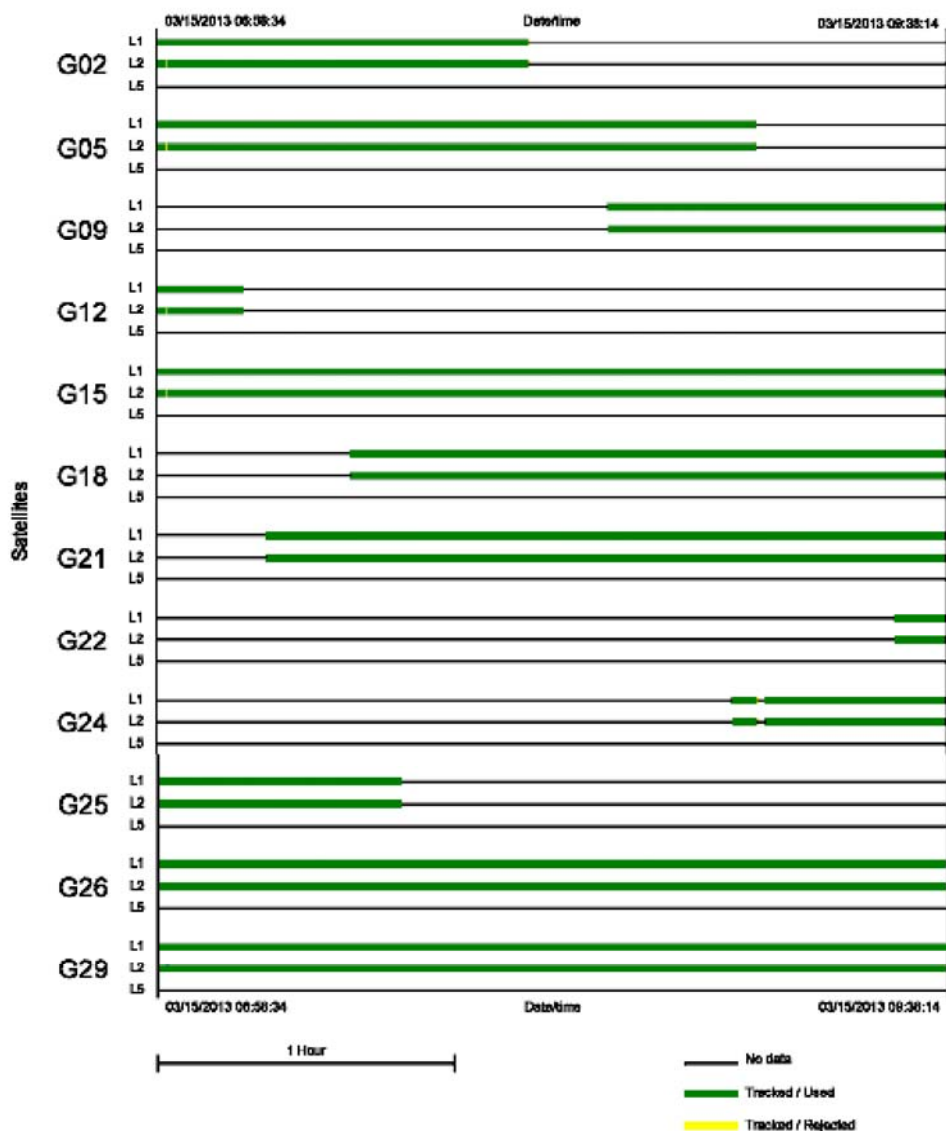
Satellite		From	To	Status
G02	✓	03/15/2013 06:58:34	03/15/2013 08:13:39	Tracked / Used
	✗	03/15/2013 08:13:39	03/15/2013 08:13:44	Tracked / Rejected
	✗	03/15/2013 08:13:44	03/15/2013 09:38:14	No data
G05	✓	03/15/2013 06:58:34	03/15/2013 08:59:34	Tracked / Used
	✗	03/15/2013 08:59:34	03/15/2013 08:59:39	Tracked / Rejected
	✗	03/15/2013 08:59:39	03/15/2013 09:38:14	No data
G09	✗	03/15/2013 06:58:34	03/15/2013 08:29:39	No data
	✓	03/15/2013 08:29:39	03/15/2013 09:38:14	Tracked / Used
G12	✓	03/15/2013 06:58:34	03/15/2013 07:15:59	Tracked / Used
	✗	03/15/2013 07:15:59	03/15/2013 07:16:04	Tracked / Rejected
	✗	03/15/2013 07:16:04	03/15/2013 09:38:14	No data
G15	✓	03/15/2013 06:58:34	03/15/2013 09:38:14	Tracked / Used
G18	✗	03/15/2013 06:58:34	03/15/2013 07:37:39	No data
	✓	03/15/2013 07:37:39	03/15/2013 09:38:14	Tracked / Used
G21	✗	03/15/2013 06:58:34	03/15/2013 07:20:39	No data
	✓	03/15/2013 07:20:39	03/15/2013 09:38:14	Tracked / Used
G22	✗	03/15/2013 06:58:34	03/15/2013 09:27:39	No data
	✓	03/15/2013 09:27:39	03/15/2013 09:38:14	Tracked / Used
G24	✗	03/15/2013 06:58:34	03/15/2013 08:54:44	No data
	✓	03/15/2013 08:54:44	03/15/2013 08:59:44	Tracked / Used
	✗	03/15/2013 08:59:44	03/15/2013 08:59:54	No data
	✗	03/15/2013 08:59:54	03/15/2013 09:00:09	Tracked / Rejected
	✗	03/15/2013 09:00:09	03/15/2013 09:01:24	No data
	✓	03/15/2013 09:01:24	03/15/2013 09:38:14	Tracked / Used
G25	✓	03/15/2013 06:58:34	03/15/2013 07:47:44	Tracked / Used
	✗	03/15/2013 07:47:44	03/15/2013 07:47:49	Tracked / Rejected
	✗	03/15/2013 07:47:49	03/15/2013 09:38:14	No data
G26	✓	03/15/2013 06:58:34	03/15/2013 09:38:14	Tracked / Used
G29	✓	03/15/2013 06:58:34	03/15/2013 09:38:14	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/15/2013 06:58:34	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 08:13:39	Tracked / Used
	✗	03/15/2013 08:13:39	03/15/2013 08:13:44	Tracked / Rejected
	✗	03/15/2013 08:13:44	03/15/2013 09:38:14	No data
G05	✓	03/15/2013 06:58:34	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:54	Tracked / Rejected
	✓	03/15/2013 07:00:54	03/15/2013 08:59:34	Tracked / Used
	✗	03/15/2013 08:59:34	03/15/2013 08:59:39	Tracked / Rejected
	✗	03/15/2013 08:59:39	03/15/2013 09:38:14	No data
G09	✗	03/15/2013 06:58:34	03/15/2013 08:29:44	No data

G12	✓	03/15/2013 08:29:44	03/15/2013 09:38:14	Tracked / Used
	✓	03/15/2013 06:58:34	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 07:15:59	Tracked / Used
	✗	03/15/2013 07:15:59	03/15/2013 07:16:04	Tracked / Rejected
G15	✗	03/15/2013 07:16:04	03/15/2013 09:38:14	No data
	✓	03/15/2013 06:58:34	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 09:38:14	Tracked / Used
	✗	03/15/2013 06:58:34	03/15/2013 07:37:49	No data
G18	✓	03/15/2013 07:37:49	03/15/2013 09:38:14	Tracked / Used
	✗	03/15/2013 06:58:34	03/15/2013 07:20:44	No data
G21	✓	03/15/2013 07:20:44	03/15/2013 09:38:14	Tracked / Used
	✗	03/15/2013 06:58:34	03/15/2013 09:27:44	No data
G22	✓	03/15/2013 09:27:44	03/15/2013 09:38:14	Tracked / Used
	✗	03/15/2013 06:58:34	03/15/2013 08:54:54	No data
G24	✓	03/15/2013 08:54:54	03/15/2013 08:59:44	Tracked / Used
	✗	03/15/2013 08:59:44	03/15/2013 09:00:04	No data
	✗	03/15/2013 09:00:04	03/15/2013 09:00:09	Tracked / Rejected
	✗	03/15/2013 09:00:09	03/15/2013 09:01:34	No data
	✓	03/15/2013 09:01:34	03/15/2013 09:38:14	Tracked / Used
G25	✓	03/15/2013 06:58:34	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 07:47:44	Tracked / Used
	✗	03/15/2013 07:47:44	03/15/2013 07:47:49	Tracked / Rejected
	✗	03/15/2013 07:47:49	03/15/2013 09:38:14	No data
G26	✓	03/15/2013 06:58:34	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
G29	✓	03/15/2013 07:00:39	03/15/2013 09:38:14	Tracked / Used
	✓	03/15/2013 06:58:34	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 09:38:14	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	42
Number of fixed GPS ambiguities:	40
Number of independent fixes:	900
Avg. time between independent fixes:	5"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/15/2013 06:58:34	03/15/2013 09:38:14	2h 39' 40"

Cycle Slip Statistics

Total number of cycle slips: 7

Time	Satellite	Frequency	Slip value	Flags
03/15/2013 07:00:29	G02	L1	-	ria
03/15/2013 07:00:29	G05	L1	-	ria
03/15/2013 07:00:29	G12	L1	-	ria
03/15/2013 07:00:29	G15	L1	-	ria
03/15/2013 07:00:29	G25	L1	-	ria
03/15/2013 07:00:29	G26	L1	-	ria
03/15/2013 07:00:29	G29	L1	-	ria

Final Coordinates

	Reference:S393	Rover:185	
Coordinates:			
Latitude:	29° 35' 01.95220" N	29° 36' 20.76740" N	
Longitude:	89° 49' 50.44246" W	89° 53' 16.12703" W	
Ellip. Hgt:	-23.88903 m	-25.34060 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00009 m Posn. Qlty: 0.00012 m	Sd. Lon: 0.00008 m Sd. Slope: 0.00008 m	Sd. Hgt: 0.00022 m
M0:	0.49163 m		
Cofactor matrix Qxx:	0.00000004	-0.00000000 0.00000002	0.00000001 0.00000000 0.00000019
Baseline vector:	dLat: 0° 01' 18.81520" Slope: 6043.56350 m	dLon: -0° 03' 25.68457"	dHgt: -1.45158 m
DOPs (min-max):	GDOP: 2.1 - 5.0 PDOP: 1.8 - 4.2	HDOP: 0.9 - 2.0	VDOP: 1.5 - 4.0
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

S393 - 186

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:16:15

Point Information

	Reference: S393	Rover: 186
Receiver type / S/N:	SR530 / 34012	SR530 / 30486
Antenna type / S/N:	AT502 Tripod / -	AT502 Tripod / -
Antenna height:	1.33000 m	1.19600 m
Initial coordinates:		
Latitude:	29° 35' 01.95220" N	29° 36' 21.98620" N
Longitude:	89° 49' 50.44246" W	89° 53' 19.36117" W
Ellip. Hgt:	-23.88903 m	-26.10906 m
Time span:	03/15/2013 07:02:39 - 03/15/2013 09:34:14	
Duration:	2h 31' 35"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 35' 01.95220" N
 Longitude: 89° 49' 50.44246" W
 Time (UT): 03/15/2013 11:52:39

Validity: From epoch: 03/15/2013 06:52:39
 To epoch: 03/15/2013 09:38:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.70924412	0.00572629
	0	1	0.99097997	0.01076050
	0	2	0.01526733	0.00835093
	1	0	-0.01443413	0.00538264
	1	1	-0.09858132	0.00758667

Antenna Information

	Reference: S393	Rover: 186
Antenna type:	AT502 Tripod	AT502 Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06830 m	0.07120 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Observation Statistics

Number of common epochs: 1820

GPS:

Number of used observations (L1): 12795
 Number of rejected observations (L1): 7
 Number of used observations (L2): 12674
 Number of rejected observations (L2): 4

Tracking Status GPS L1:

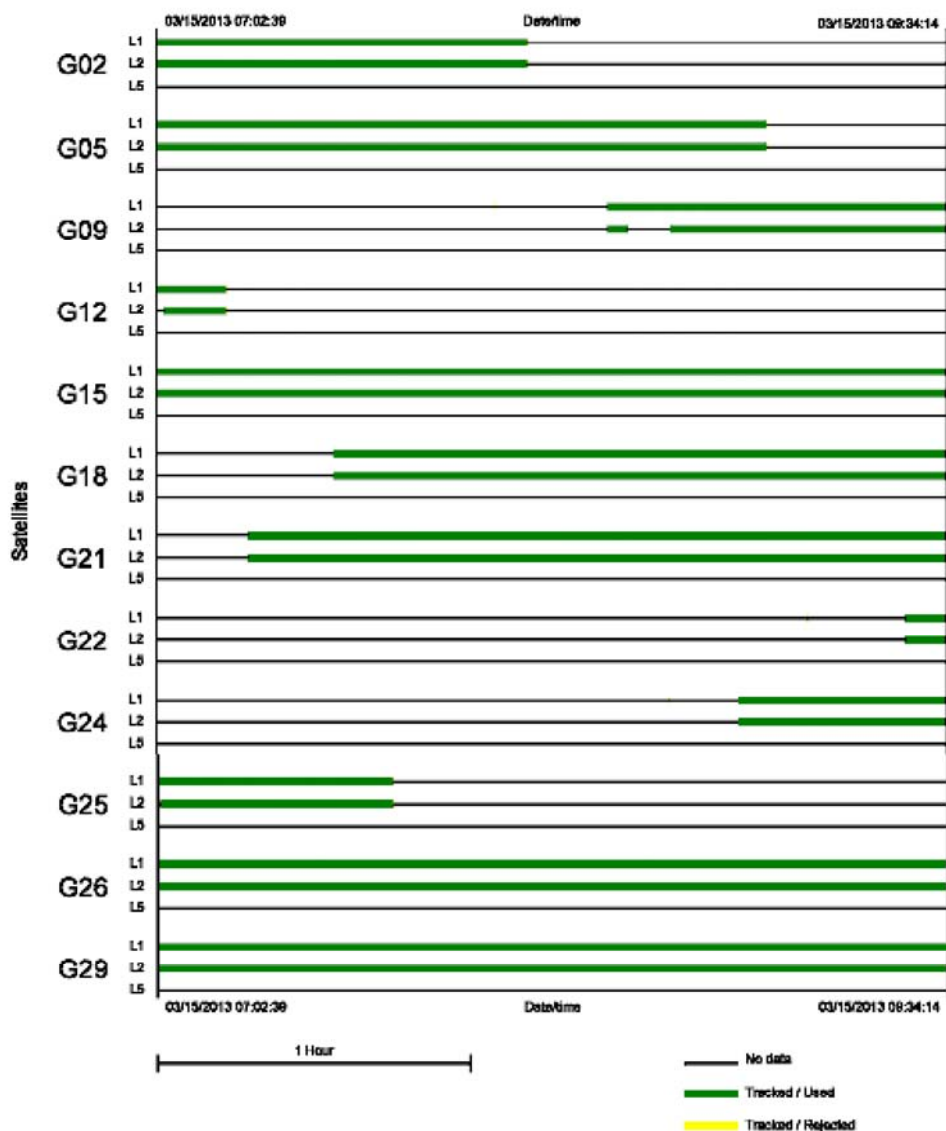
Satellite		From	To	Status
G02	✓	03/15/2013 07:02:39	03/15/2013 08:13:39	Tracked / Used
	✗	03/15/2013 08:13:39	03/15/2013 08:13:44	Tracked / Rejected
	✗	03/15/2013 08:13:44	03/15/2013 09:34:14	No data
G05	✓	03/15/2013 07:02:39	03/15/2013 08:59:34	Tracked / Used
	✗	03/15/2013 08:59:34	03/15/2013 08:59:39	Tracked / Rejected
	✗	03/15/2013 08:59:39	03/15/2013 09:34:14	No data
G09	✗	03/15/2013 07:02:39	03/15/2013 08:07:19	No data
	✗	03/15/2013 08:07:19	03/15/2013 08:07:24	Tracked / Rejected
	✗	03/15/2013 08:07:24	03/15/2013 08:29:09	No data
	✓	03/15/2013 08:29:09	03/15/2013 09:34:14	Tracked / Used
G12	✓	03/15/2013 07:02:39	03/15/2013 07:15:59	Tracked / Used
	✗	03/15/2013 07:15:59	03/15/2013 07:16:04	Tracked / Rejected
	✗	03/15/2013 07:16:04	03/15/2013 09:34:14	No data
G15	✓	03/15/2013 07:02:39	03/15/2013 09:34:14	Tracked / Used
G18	✗	03/15/2013 07:02:39	03/15/2013 07:36:34	No data
	✓	03/15/2013 07:36:34	03/15/2013 09:34:14	Tracked / Used
G21	✗	03/15/2013 07:02:39	03/15/2013 07:20:14	No data
	✓	03/15/2013 07:20:14	03/15/2013 09:34:14	Tracked / Used
G22	✗	03/15/2013 07:02:39	03/15/2013 09:07:19	No data
	✗	03/15/2013 09:07:19	03/15/2013 09:07:24	Tracked / Rejected
	✗	03/15/2013 09:07:24	03/15/2013 09:26:19	No data
	✓	03/15/2013 09:26:19	03/15/2013 09:34:14	Tracked / Used
G24	✗	03/15/2013 07:02:39	03/15/2013 08:40:54	No data
	✗	03/15/2013 08:40:54	03/15/2013 08:40:59	Tracked / Rejected
	✗	03/15/2013 08:40:59	03/15/2013 08:54:14	No data
	✓	03/15/2013 08:54:14	03/15/2013 09:34:14	Tracked / Used
G25	✗	03/15/2013 07:02:39	03/15/2013 07:02:49	No data
	✓	03/15/2013 07:02:49	03/15/2013 07:47:44	Tracked / Used
	✗	03/15/2013 07:47:44	03/15/2013 07:47:49	Tracked / Rejected
	✗	03/15/2013 07:47:49	03/15/2013 09:34:14	No data
G26	✓	03/15/2013 07:02:39	03/15/2013 09:34:14	Tracked / Used
G29	✓	03/15/2013 07:02:39	03/15/2013 09:34:14	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/15/2013 07:02:39	03/15/2013 08:13:39	Tracked / Used
	✗	03/15/2013 08:13:39	03/15/2013 08:13:44	Tracked / Rejected
	✗	03/15/2013 08:13:44	03/15/2013 09:34:14	No data
G05	✓	03/15/2013 07:02:39	03/15/2013 08:59:34	Tracked / Used
	✗	03/15/2013 08:59:34	03/15/2013 08:59:39	Tracked / Rejected
	✗	03/15/2013 08:59:39	03/15/2013 09:34:14	No data
G09	✗	03/15/2013 07:02:39	03/15/2013 08:29:09	No data
	✓	03/15/2013 08:29:09	03/15/2013 08:32:59	Tracked / Used

	✗	03/15/2013 08:32:59	03/15/2013 08:41:14	No data
	✓	03/15/2013 08:41:14	03/15/2013 09:34:14	Tracked / Used
G12	✗	03/15/2013 07:02:39	03/15/2013 07:04:04	No data
	✓	03/15/2013 07:04:04	03/15/2013 07:15:59	Tracked / Used
	✗	03/15/2013 07:15:59	03/15/2013 07:16:04	Tracked / Rejected
	✗	03/15/2013 07:16:04	03/15/2013 09:34:14	No data
G15	✓	03/15/2013 07:02:39	03/15/2013 09:34:14	Tracked / Used
G18	✗	03/15/2013 07:02:39	03/15/2013 07:36:34	No data
	✓	03/15/2013 07:36:34	03/15/2013 09:34:14	Tracked / Used
G21	✗	03/15/2013 07:02:39	03/15/2013 07:20:14	No data
	✓	03/15/2013 07:20:14	03/15/2013 09:34:14	Tracked / Used
G22	✗	03/15/2013 07:02:39	03/15/2013 09:26:19	No data
	✓	03/15/2013 09:26:19	03/15/2013 09:34:14	Tracked / Used
G24	✗	03/15/2013 07:02:39	03/15/2013 08:54:14	No data
	✓	03/15/2013 08:54:14	03/15/2013 09:34:14	Tracked / Used
G25	✗	03/15/2013 07:02:39	03/15/2013 07:03:14	No data
	✓	03/15/2013 07:03:14	03/15/2013 07:47:44	Tracked / Used
	✗	03/15/2013 07:47:44	03/15/2013 07:47:49	Tracked / Rejected
	✗	03/15/2013 07:47:49	03/15/2013 09:34:14	No data
G26	✓	03/15/2013 07:02:39	03/15/2013 09:34:14	Tracked / Used
G29	✓	03/15/2013 07:02:39	03/15/2013 09:34:14	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities: 28
 Number of fixed GPS ambiguities: 25
 Number of independent fixes: 858
 Avg. time between independent fixes: 5"

Percentage of fixed epochs (L1): 100%
 Percentage of fixed epochs (L2): 100%
 Percentage of fixed epochs (overall): 100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/15/2013 07:02:39	03/15/2013 09:34:14	2h 31' 35"

Cycle Slip Statistics

Total number of cycle slips: 0

Final Coordinates

	Reference:S393	Rover:186	
Coordinates:			
Latitude:	29° 35' 01.95220" N	29° 36' 21.94050" N	
Longitude:	89° 49' 50.44246" W	89° 53' 19.34006" W	
Ellip. Hgt:	-23.88903 m	-25.13223 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00009 m Posn. Qlty: 0.00011 m	Sd. Lon: 0.00007 m Sd. Slope: 0.00007 m	Sd. Hgt: 0.00020 m
M0:	0.43419 m		
Cofactor matrix Qxx:	0.00000004	-0.00000000 0.00000003	0.00000001 0.00000000 0.00000020
Baseline vector:	dLat: 0° 01' 19.98830" Slope: 6137.24496 m	dLon: -0° 03' 28.89760"	dHgt: -1.24321 m
DOPs (min-max):	GDOP: 2.1 - 4.7 PDOP: 1.8 - 4.0	HDOP: 0.9 - 2.0	VDOP: 1.5 - 3.7
Number of used satellites:	GPS: 12 GLONASS: -		

Results - Baseline

S393 - 580

Project Information

Project name: 13011TH BARATARIA STATIC ALL 10-1-13 G09
 Date created: 10/01/2013 11:08:09
 Time zone: -5h 00'
 Coordinate system name: UTM ZONE 15 NORTH GEOID 09
 Application software: LEICA Geo Office 8.3
 Processing kernel: PSI-Pro 3.0
 Processed: 10/01/2013 11:15:57

Point Information

	Reference: S393	Rover: 580
Receiver type / S/N:	SR530 / 34012	GRX1200GGPRO / 353211
Antenna type / S/N:	AT502 Tripod / -	AX1202 GG Tripod / -
Antenna height:	1.33000 m	1.27200 m
Initial coordinates:		
Latitude:	29° 35' 01.95220" N	29° 30' 05.04548" N
Longitude:	89° 49' 50.44246" W	89° 43' 00.96396" W
Ellip. Hgt:	-23.88903 m	-26.03650 m
Time span:	03/15/2013 06:59:54 - 03/15/2013 09:34:09	
Duration:	2h 34' 15"	

Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	GPS	GPS	
Frequency:	Automatic	L1/E1 and L2	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

Satellite Selection

Manually disabled GPS satellites

(PRNs): None
 Manually disabled GLONASS satellites (Slot Id): None
 Manually disabled Galileo satellites: None

Computed Iono Model

Number of computed models: 1
 Sampling rate of iono model: 30 sec
 Height of single layer: 350 km

Model 1:

Origin of development: Latitude: 29° 35' 01.95220" N
 Longitude: 89° 49' 50.44246" W
 Time (UT): 03/15/2013 11:52:39

Validity: From epoch: 03/15/2013 06:52:39
 To epoch: 03/15/2013 09:38:14

Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	0.70924412	0.00572629
	0	1	0.99097997	0.01076050
	0	2	0.01526733	0.00835093
	1	0	-0.01443413	0.00538264
	1	1	-0.09858132	0.00758667

Antenna Information

	Reference: S393	Rover: 580
Antenna type:	AT502 Tripod	AX1202 GG Tripod
Horizontal offset:	0.00000 m	0.00000 m
Vertical offset:	0.36000 m	0.36000 m
Additional corrections:	Elevation and azimuth	Elevation and azimuth

Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.06830 m	0.07120 m	0.06440 m	0.06400 m
East:	0.00000 m	0.00000 m	0.00000 m	0.00000 m
North:	0.00000 m	0.00000 m	0.00000 m	0.00000 m

Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	-2.7	-2.7	-2.5	-1.6	-0.5	0.0	0.1	0.6	1.4	1.8	1.4	1.1	1.2	0.9	-1.0	-3.8	-5.6	-5.9	-5.8
0° L2	-1.4	-1.0	-0.6	-0.7	-1.1	-1.0	-0.1	0.8	1.5	2.2	3.0	3.1	2.3	0.8	-1.3	-5.1	-11.2	-17.6	-20.4

Additional corrections (Rover):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
0° L1	0.0	0.3	1.2	2.6	4.4	6.4	8.5	10.4	12.1	13.4	14.3	14.8	15.1	15.1	14.6	13.6	11.9	9.2	5.9
0° L2	0.0	0.1	0.6	1.2	2.1	3.0	4.0	5.1	6.1	6.9	7.4	7.6	7.4	6.8	6.1	5.1	3.8	1.9	-0.8

Observation Statistics

Number of common epochs: 1851

GPS:

Number of used observations (L1): 13018
 Number of rejected observations (L1): 7
 Number of used observations (L2): 13001
 Number of rejected observations (L2): 22

Tracking Status GPS L1:

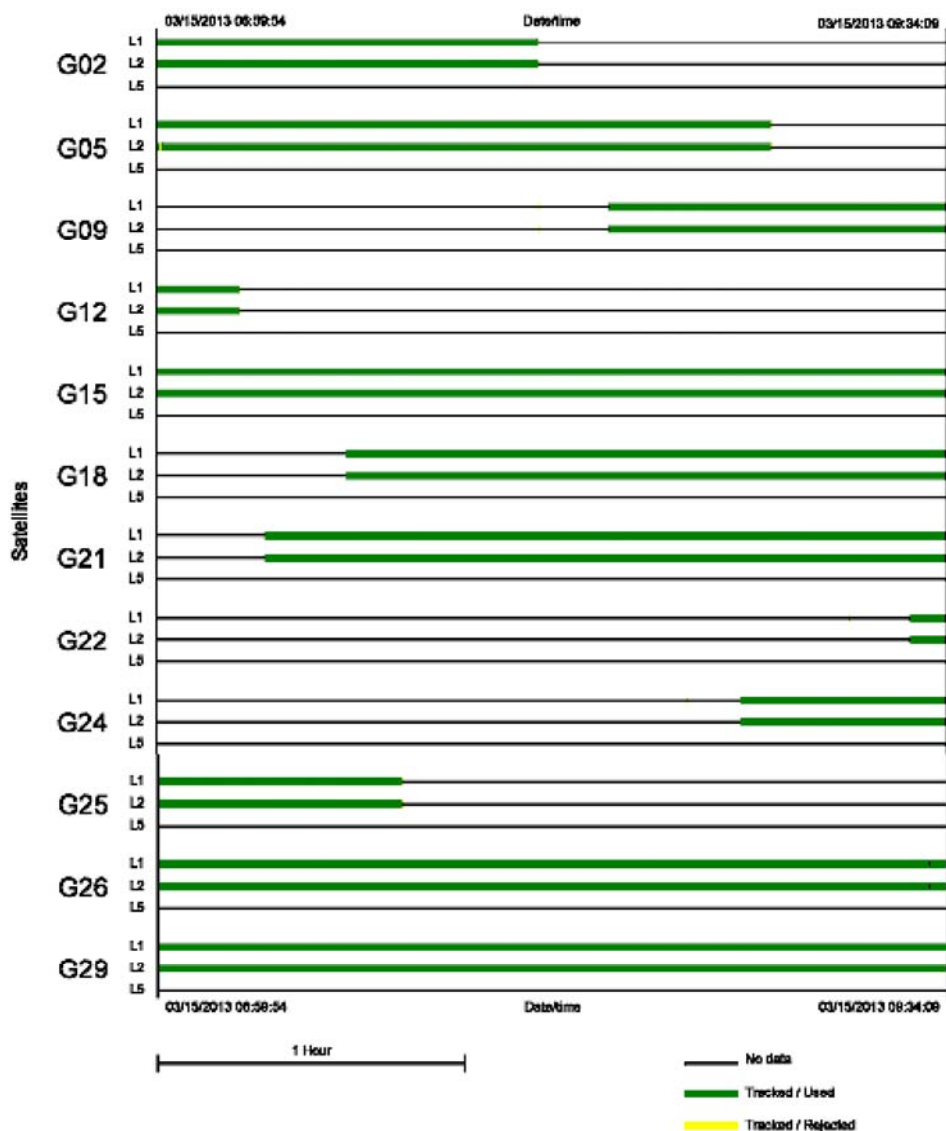
Satellite		From	To	Status
G02	✓	03/15/2013 06:59:54	03/15/2013 08:14:19	Tracked / Used
	✗	03/15/2013 08:14:19	03/15/2013 08:14:24	Tracked / Rejected
	✗	03/15/2013 08:14:24	03/15/2013 09:34:09	No data
G05	✓	03/15/2013 06:59:54	03/15/2013 08:59:49	Tracked / Used
	✗	03/15/2013 08:59:49	03/15/2013 08:59:54	Tracked / Rejected
	✗	03/15/2013 08:59:54	03/15/2013 09:34:09	No data
G09	✗	03/15/2013 06:59:54	03/15/2013 08:14:24	No data
	✗	03/15/2013 08:14:24	03/15/2013 08:14:29	Tracked / Rejected
	✗	03/15/2013 08:14:29	03/15/2013 08:28:09	No data
G12	✓	03/15/2013 08:28:09	03/15/2013 09:34:09	Tracked / Used
	✓	03/15/2013 06:59:54	03/15/2013 07:16:04	Tracked / Used
	✗	03/15/2013 07:16:04	03/15/2013 07:16:09	Tracked / Rejected
G15	✗	03/15/2013 07:16:09	03/15/2013 09:34:09	No data
	✓	03/15/2013 06:59:54	03/15/2013 09:34:09	Tracked / Used
	✗	03/15/2013 06:59:54	03/15/2013 07:36:49	No data
G18	✓	03/15/2013 07:36:49	03/15/2013 09:34:09	Tracked / Used
	✗	03/15/2013 06:59:54	03/15/2013 07:21:04	No data
	✓	03/15/2013 07:21:04	03/15/2013 09:34:09	Tracked / Used
G21	✗	03/15/2013 06:59:54	03/15/2013 07:21:04	No data
	✓	03/15/2013 07:21:04	03/15/2013 09:34:09	Tracked / Used
	✗	03/15/2013 06:59:54	03/15/2013 09:14:59	No data
G22	✗	03/15/2013 09:14:59	03/15/2013 09:15:04	Tracked / Rejected
	✗	03/15/2013 09:15:04	03/15/2013 09:26:59	No data
	✓	03/15/2013 09:26:59	03/15/2013 09:34:09	Tracked / Used
G24	✗	03/15/2013 06:59:54	03/15/2013 08:43:24	No data
	✗	03/15/2013 08:43:24	03/15/2013 08:43:29	Tracked / Rejected
	✗	03/15/2013 08:43:29	03/15/2013 08:53:54	No data
G25	✓	03/15/2013 08:53:54	03/15/2013 09:34:09	Tracked / Used
	✓	03/15/2013 06:59:54	03/15/2013 07:47:39	Tracked / Used
	✗	03/15/2013 07:47:39	03/15/2013 07:47:44	Tracked / Rejected
G26	✗	03/15/2013 07:47:44	03/15/2013 09:34:09	No data
	✓	03/15/2013 06:59:54	03/15/2013 09:30:44	Tracked / Used
	✗	03/15/2013 09:30:44	03/15/2013 09:30:49	No data
G29	✓	03/15/2013 09:30:49	03/15/2013 09:34:09	Tracked / Used
	✓	03/15/2013 06:59:54	03/15/2013 09:34:09	Tracked / Used

Tracking Status GPS L2:

Satellite		From	To	Status
G02	✓	03/15/2013 06:59:54	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 08:14:19	Tracked / Used
	✗	03/15/2013 08:14:19	03/15/2013 08:14:24	Tracked / Rejected
	✗	03/15/2013 08:14:24	03/15/2013 09:34:09	No data
G05	✓	03/15/2013 06:59:54	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:54	Tracked / Rejected

	✓	03/15/2013 07:00:54	03/15/2013 08:59:49	Tracked / Used
	✗	03/15/2013 08:59:49	03/15/2013 08:59:54	Tracked / Rejected
	✗	03/15/2013 08:59:54	03/15/2013 09:34:09	No data
G09	✗	03/15/2013 06:59:54	03/15/2013 08:14:24	No data
	✗	03/15/2013 08:14:24	03/15/2013 08:14:29	Tracked / Rejected
	✗	03/15/2013 08:14:29	03/15/2013 08:28:09	No data
	✓	03/15/2013 08:28:09	03/15/2013 09:34:09	Tracked / Used
G12	✓	03/15/2013 06:59:54	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 07:16:04	Tracked / Used
	✗	03/15/2013 07:16:04	03/15/2013 07:16:09	Tracked / Rejected
	✗	03/15/2013 07:16:09	03/15/2013 09:34:09	No data
G15	✓	03/15/2013 06:59:54	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 09:34:09	Tracked / Used
G18	✗	03/15/2013 06:59:54	03/15/2013 07:36:49	No data
	✓	03/15/2013 07:36:49	03/15/2013 09:34:09	Tracked / Used
G21	✗	03/15/2013 06:59:54	03/15/2013 07:21:04	No data
	✓	03/15/2013 07:21:04	03/15/2013 09:34:09	Tracked / Used
G22	✗	03/15/2013 06:59:54	03/15/2013 09:26:59	No data
	✓	03/15/2013 09:26:59	03/15/2013 09:34:09	Tracked / Used
G24	✗	03/15/2013 06:59:54	03/15/2013 08:53:54	No data
	✓	03/15/2013 08:53:54	03/15/2013 09:34:09	Tracked / Used
G25	✓	03/15/2013 06:59:54	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 07:47:39	Tracked / Used
	✗	03/15/2013 07:47:39	03/15/2013 07:47:44	Tracked / Rejected
	✗	03/15/2013 07:47:44	03/15/2013 09:34:09	No data
G26	✓	03/15/2013 06:59:54	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 09:30:44	Tracked / Used
	✗	03/15/2013 09:30:44	03/15/2013 09:30:49	No data
	✓	03/15/2013 09:30:49	03/15/2013 09:34:09	Tracked / Used
G29	✓	03/15/2013 06:59:54	03/15/2013 07:00:29	Tracked / Used
	✗	03/15/2013 07:00:29	03/15/2013 07:00:39	Tracked / Rejected
	✓	03/15/2013 07:00:39	03/15/2013 09:34:09	Tracked / Used

Tracking Summary GPS:



Ambiguity Statistics

Total number of GPS ambiguities:	44
Number of fixed GPS ambiguities:	40
Number of independent fixes:	867
Avg. time between independent fixes:	5"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

Overall Statistic:

Status	From	To	Duration
Fixed	03/15/2013 06:59:54	03/15/2013 09:34:09	2h 34' 15"

Cycle Slip Statistics

Total number of cycle slips: 7

Time	Satellite	Frequency	Slip value	Flags
03/15/2013 07:00:29	G02	L1	-	ria
03/15/2013 07:00:29	G05	L1	-	ria
03/15/2013 07:00:29	G12	L1	-	ria
03/15/2013 07:00:29	G15	L1	-	ria
03/15/2013 07:00:29	G25	L1	-	ria
03/15/2013 07:00:29	G26	L1	-	ria
03/15/2013 07:00:29	G29	L1	-	ria

Final Coordinates

	Reference:S393	Rover:580	
Coordinates:			
Latitude:	29° 35' 01.95220" N	29° 30' 05.00675" N	
Longitude:	89° 49' 50.44246" W	89° 43' 00.94921" W	
Ellip. Hgt:	-23.88903 m	-25.14140 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	L1/E1 and L2		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.00015 m Posn. Qlty: 0.00019 m	Sd. Lon: 0.00012 m Sd. Slope: 0.00014 m	Sd. Hgt: 0.00034 m
M0:	0.75545 m		
Cofactor matrix Qxx:	0.00000004	-0.00000000 0.00000003	0.00000001 0.00000000 0.00000020
Baseline vector:	dLat: -0° 04' 56.94545" Slope: 14322.92035 m	dLon: 0° 06' 49.49325"	dHgt: -1.25238 m
DOPs (min-max):	GDOP: 2.1 - 4.9 PDOP: 1.8 - 4.1	HDOP: 0.9 - 2.0	VDOP: 1.5 - 3.9
Number of used satellites:	GPS: 12 GLONASS: -		



EQUIPMENT, PERSONNEL & SOFTWARE

Equipment

Receiver type / S/N:	Reference: S393 SR530 / 34012	Rover: 580 GRX1200GGPRO / 353211
Antenna type / S/N:	AT502 Tripod / -	AX1202 GG Tripod / -
Antenna height:	1.33000 m	1.27200 m

Personnel

Toney Bryant, PLS - Survey Manager
Tina Haney - Office Technician
Bertin Evina Ze - Field Technician
Kermit Lewis - Field Technician
Mike Wasielewski - Party Cheif

Software

Leica Geo Office
Google Earth Pro
Microsoft Word
Microsoft Excel

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