
AEROoffice V5.5 2017-01-17
Copyright by IGI mbH, 1996-2017

Dongle-ID: 3-3541217

Boresight Misalignment Calculations
21/09/2018 13:52:35

Project: 18_0034_PNOA_ARAGON-NORTE_Ea100
Projectfile: C:\AEROofficeV51\PROYECTOS\03-PROYECTOS_EAGLE\18_0034_PNOA_ARAGON-NORTE_Ea100

Used input data:

Platform Solution: C:\AEROofficeV51\PROYECTOS\03-PROYECTOS_EAGLE\18_0034_PNOA_ARAGON-NORTE_Ea100\
Event Mark File : C:\AEROofficeV51\PROYECTOS\03-PROYECTOS_EAGLE\18_0034_PNOA_ARAGON-NORTE_Ea100\
AT Result File : C:\AEROofficeV51\PROYECTOS\03-PROYECTOS_EAGLE\18_0034_PNOA_ARAGON-NORTE_Ea100\AT\
Importformat File: C:\AEROofficeV51\FORMATOS\PTOFORMAT

Coordinate system scalefactor correction for height applied
Using DTM

Local Coordinate System:
UTM - ETRS89 SPH - ellipsoidal Altitude
System defined in: built-in coordinate system
Selected Zone: 30N
Meridian Convergence corrected

Loading INS Data
945 usable events found

Loading AT Data
AT input: angles found
51 AT Data Sets imported

51 events with matching eventnumbers found.

Postion offset for the single events [m]:

	number	time	east	north	alt	d east	d north	d alt
position:	2157	554163.19	0.013	0.039	-0.044	0.013	0.039	-0.044
position:	2158	554173.64	0.060	0.003	-0.106	0.060	0.003	-0.106
position:	2159	554184.08	0.043	-0.018	-0.015	0.043	-0.018	-0.015
position:	2160	554194.62	0.062	0.050	-0.077	0.062	0.050	-0.077
position:	2161	554205.10	0.101	0.017	0.003	0.101	0.017	0.003
position:	2162	554215.49	0.109	-0.039	-0.128	0.109	-0.039	-0.128
position:	2163	554225.75	0.054	-0.024	-0.088	0.054	-0.024	-0.088
position:	2164	554235.85	0.115	0.033	-0.057	0.115	0.033	-0.057
position:	2165	554245.98	0.048	-0.019	0.049	0.048	-0.019	0.049
position:	2166	554256.24	0.057	-0.021	0.098	0.057	-0.021	0.098
position:	2413	556543.75	-0.067	0.055	-0.109	-0.067	0.055	-0.109
position:	2414	556553.79	-0.098	0.035	-0.046	-0.098	0.035	-0.046
position:	2415	556563.96	-0.086	0.094	-0.036	-0.086	0.093	-0.036
position:	2416	556574.11	-0.057	0.051	-0.084	-0.057	0.051	-0.084
position:	2417	556584.32	-0.076	0.033	-0.033	-0.076	0.033	-0.033
position:	2418	556594.87	-0.097	0.118	0.015	-0.097	0.118	0.015
position:	2419	556605.23	-0.086	0.107	-0.054	-0.086	0.107	-0.054
position:	2420	556615.53	-0.081	0.099	-0.029	-0.081	0.099	-0.029
position:	2421	556625.79	-0.119	0.106	-0.048	-0.119	0.106	-0.048
position:	2422	556635.99	-0.075	0.045	-0.016	-0.075	0.045	-0.016
position:	2437	557074.84	0.035	-0.080	-0.054	0.035	-0.080	-0.054
position:	2438	557085.01	0.036	-0.061	-0.065	0.036	-0.061	-0.065
position:	2439	557095.20	0.098	-0.125	-0.098	0.098	-0.125	-0.098
position:	2440	557105.53	0.120	-0.018	-0.107	0.120	-0.018	-0.106
position:	2441	557115.93	0.093	-0.088	-0.055	0.093	-0.088	-0.055
position:	2442	557126.53	0.111	-0.030	0.027	0.111	-0.030	0.027
position:	2443	557137.05	0.067	-0.064	0.003	0.067	-0.064	0.003
position:	2444	557147.37	0.077	-0.085	0.006	0.077	-0.085	0.006
position:	2445	557157.62	0.019	-0.065	-0.052	0.019	-0.065	-0.052
position:	2446	557167.68	-0.010	-0.079	-0.040	-0.010	-0.079	-0.040
position:	2763	559699.27	-0.076	0.031	-0.101	-0.076	0.031	-0.101
position:	2764	559709.22	-0.077	0.018	-0.007	-0.077	0.018	-0.007
position:	2765	559719.62	-0.109	0.061	0.012	-0.109	0.061	0.012
position:	2766	559729.91	-0.101	0.023	0.068	-0.101	0.023	0.068
position:	2767	559740.17	-0.129	0.027	0.054	-0.129	0.027	0.054
position:	2768	559750.65	-0.103	0.048	0.023	-0.103	0.048	0.023
position:	2769	559760.95	-0.115	0.010	0.018	-0.115	0.010	0.018
position:	2770	559771.02	-0.043	0.024	-0.059	-0.043	0.024	-0.059
position:	2771	559781.14	-0.068	0.007	0.087	-0.068	0.007	0.087
position:	2772	559791.05	-0.017	0.014	0.049	-0.017	0.014	0.049
position:	2798	560318.81	0.039	-0.082	0.069	0.039	-0.082	0.069
position:	2799	560327.94	0.057	-0.056	0.005	0.057	-0.056	0.005
position:	2800	560337.14	0.069	-0.088	0.089	0.069	-0.088	0.089
position:	2801	560346.61	0.051	-0.017	0.102	0.051	-0.017	0.102
position:	2802	560356.45	0.062	-0.060	0.113	0.062	-0.060	0.113
position:	2803	560366.75	0.047	-0.052	0.126	0.047	-0.052	0.126

position:	2804	560376.98	0.028	-0.012	0.096	0.028	-0.012	0.096
position:	2805	560387.27	0.049	0.000	0.099	0.049	0.000	0.099
position:	2806	560397.46	0.018	-0.006	0.144	0.018	-0.006	0.144
position:	2807	560407.42	-0.020	0.043	0.138	-0.020	0.043	0.138
position:	2808	560417.41	-0.027	-0.001	0.113	-0.027	-0.001	0.113

Average position offset:
East: 0.000 m
North: 0.000 m
Alt: 0.000 m
Position offset RMS:
East: 0.075 m
North: 0.057 m
Alt: 0.074 m

Misalignment angles for the single events [deg]:

	number	time	roll	pitch	yaw	d roll	d pitch	d yaw
angle:	2157	554163.19	-0.0829	0.1172	-0.3620	0.0045	-0.0023	-0.0016
angle:	2158	554173.64	-0.0812	0.1184	-0.3617	0.0062	-0.0012	-0.0013
angle:	2159	554184.08	-0.0801	0.1213	-0.3619	0.0072	0.0018	-0.0015
angle:	2160	554194.62	-0.0802	0.1206	-0.3606	0.0071	0.0011	-0.0002
angle:	2161	554205.10	-0.0801	0.1214	-0.3592	0.0073	0.0018	0.0012
angle:	2162	554215.49	-0.0795	0.1228	-0.3603	0.0079	0.0032	0.0001
angle:	2163	554225.75	-0.0796	0.1221	-0.3597	0.0077	0.0026	0.0007
angle:	2164	554235.85	-0.0818	0.1208	-0.3602	0.0056	0.0012	0.0002
angle:	2165	554245.98	-0.0817	0.1220	-0.3602	0.0056	0.0025	0.0002
angle:	2166	554256.24	-0.0817	0.1216	-0.3619	0.0057	0.0020	-0.0015
angle:	2413	556543.75	-0.0946	0.1209	-0.3579	-0.0072	0.0014	0.0025
angle:	2414	556553.79	-0.0946	0.1195	-0.3585	-0.0072	0.0000	0.0019
angle:	2415	556563.96	-0.0944	0.1192	-0.3600	-0.0070	-0.0004	0.0004
angle:	2416	556574.11	-0.0952	0.1189	-0.3616	-0.0078	-0.0006	-0.0012
angle:	2417	556584.32	-0.0959	0.1176	-0.3618	-0.0085	-0.0020	-0.0014
angle:	2418	556594.87	-0.0928	0.1176	-0.3636	-0.0054	-0.0020	-0.0032
angle:	2419	556605.23	-0.0936	0.1193	-0.3643	-0.0062	-0.0002	-0.0039
angle:	2420	556615.53	-0.0933	0.1194	-0.3657	-0.0060	-0.0002	-0.0053
angle:	2421	556625.79	-0.0921	0.1205	-0.3671	-0.0047	0.0009	-0.0067
angle:	2422	556635.99	-0.0911	0.1219	-0.3671	-0.0037	0.0023	-0.0067
angle:	2437	557074.84	-0.0884	0.1177	-0.3652	-0.0011	-0.0018	-0.0048
angle:	2438	557085.01	-0.0870	0.1192	-0.3637	0.0004	-0.0004	-0.0033
angle:	2439	557095.20	-0.0843	0.1193	-0.3626	0.0031	-0.0003	-0.0022
angle:	2440	557105.53	-0.0851	0.1184	-0.3613	0.0023	-0.0012	-0.0009
angle:	2441	557115.93	-0.0848	0.1184	-0.3625	0.0026	-0.0012	-0.0021
angle:	2442	557126.53	-0.0847	0.1189	-0.3606	0.0027	-0.0006	-0.0002
angle:	2443	557137.05	-0.0844	0.1195	-0.3597	0.0030	-0.0001	0.0007
angle:	2444	557147.37	-0.0821	0.1175	-0.3592	0.0053	-0.0021	0.0012
angle:	2445	557157.62	-0.0822	0.1175	-0.3602	0.0052	-0.0021	0.0002
angle:	2446	557167.68	-0.0825	0.1173	-0.3587	0.0049	-0.0023	0.0018
angle:	2763	559699.27	-0.0938	0.1239	-0.3604	-0.0064	0.0043	0.0000
angle:	2764	559709.22	-0.0940	0.1224	-0.3599	-0.0066	0.0028	0.0005
angle:	2765	559719.62	-0.0935	0.1221	-0.3621	-0.0061	0.0025	-0.0017
angle:	2766	559729.91	-0.0926	0.1214	-0.3627	-0.0052	0.0018	-0.0023
angle:	2767	559740.17	-0.0915	0.1198	-0.3635	-0.0041	0.0002	-0.0031
angle:	2768	559750.65	-0.0900	0.1196	-0.3644	-0.0026	0.0001	-0.0040
angle:	2769	559760.95	-0.0894	0.1194	-0.3656	-0.0021	-0.0001	-0.0052
angle:	2770	559771.02	-0.0885	0.1190	-0.3663	-0.0011	-0.0005	-0.0059
angle:	2771	559781.14	-0.0881	0.1193	-0.3665	-0.0007	-0.0002	-0.0061
angle:	2772	559791.05	-0.0860	0.1203	-0.3699	0.0014	0.0007	-0.0094
angle:	2798	560318.81	-0.0935	0.1219	-0.3550	-0.0062	0.0024	0.0054
angle:	2799	560327.94	-0.0913	0.1216	-0.3550	-0.0039	0.0020	0.0054
angle:	2800	560337.14	-0.0894	0.1202	-0.3548	-0.0021	0.0007	0.0056
angle:	2801	560346.61	-0.0906	0.1194	-0.3551	-0.0033	-0.0001	0.0053
angle:	2802	560356.45	-0.0881	0.1193	-0.3534	-0.0007	-0.0003	0.0070
angle:	2803	560366.75	-0.0851	0.1187	-0.3539	0.0022	-0.0009	0.0066
angle:	2804	560376.98	-0.0862	0.1190	-0.3526	0.0012	-0.0006	0.0078
angle:	2805	560387.27	-0.0845	0.1171	-0.3531	0.0029	-0.0024	0.0073
angle:	2806	560397.46	-0.0823	0.1158	-0.3528	0.0051	-0.0037	0.0076
angle:	2807	560407.42	-0.0827	0.1154	-0.3526	0.0047	-0.0041	0.0078
angle:	2808	560417.41	-0.0833	0.1152	-0.3517	0.0041	-0.0043	0.0087

Average Boresight Angles:
Roll: -0.0874 deg
Pitch: 0.1196 deg
Yaw: -0.3604 deg
Boresight Angle RMS:
Roll: 0.0051 deg
Pitch: 0.0019 deg
Yaw: 0.0043 deg

Success!!
Boresight Calculation finished