
AEROoffice V5.7.9 2023-09-27
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Dongle-ID: 3-3541217

Boresight Misalignment Calculations
24/05/2024 11:01:21

Project: Pol-Cal 2024 E-M3-IMU IIE
Projectfile: C:\AEROofficeV51\PROYECTOS\13_PROYECTOS_EAGLE -M3\24_0022_POL-CAL_TALAVERA_M3_22052024\

Used input data:

Platform Solution: C:\AEROofficeV51\PROYECTOS\13_PROYECTOS_EAGLE -M3\
Event Mark File : C:\AEROofficeV51\PROYECTOS\13_PROYECTOS_EAGLE -M3\
AT Result File : C:\AEROofficeV51\PROYECTOS\13_PROYECTOS_EAGLE -M3\
Importformat File: C:\AEROofficeV51\FORMATOS\PTOFORMAT

Coordinate system scalefactor correction for height applied
Using DTM

Local Coordinate System:
UTM - WGS84 SPH - ellipsoidal Altitude
System defined in: built-in coordinate system
Selected Zone: 30N
Meridian Convergence corrected

Loading INS Data
149 usable events found

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

119 events with matching eventnumbers found.

Postion offset for the single events [m]:

	number	time	east	north	alt	d east	d north	d alt
position:	65	292756.98	0.013	0.004	-0.068	0.013	0.004	-0.068
position:	66	292767.18	0.002	-0.005	-0.041	0.002	-0.005	-0.041
position:	67	292777.45	0.005	-0.012	-0.022	0.005	-0.012	-0.022
position:	68	292787.55	-0.004	-0.004	-0.022	-0.004	-0.004	-0.022
position:	69	292797.56	0.043	-0.022	-0.027	0.043	-0.022	-0.027
position:	70	292807.62	0.064	-0.024	-0.106	0.064	-0.024	-0.106
position:	71	292817.72	0.002	0.002	0.001	0.002	0.002	0.001
position:	72	292827.84	0.012	-0.051	0.048	0.012	-0.051	0.048
position:	73	292837.97	0.053	0.002	0.003	0.053	0.002	0.003
position:	74	292848.06	0.014	0.000	-0.089	0.014	0.000	-0.089
position:	75	292858.09	0.031	0.001	-0.040	0.031	0.001	-0.040
position:	76	292868.11	0.040	-0.035	-0.004	0.040	-0.035	-0.004
position:	77	292878.20	0.065	-0.001	0.022	0.065	-0.002	0.022
position:	78	292888.33	0.015	0.009	-0.014	0.015	0.009	-0.014
position:	79	292898.47	0.020	0.010	0.008	0.020	0.010	0.008
position:	80	292908.53	0.002	-0.006	0.040	0.002	-0.006	0.040
position:	49	292346.34	-0.010	0.012	0.062	-0.010	0.012	0.062
position:	50	292361.27	-0.032	0.007	0.030	-0.032	0.007	0.030
position:	51	292375.94	-0.032	0.009	0.009	-0.032	0.008	0.009
position:	52	292390.57	-0.077	-0.036	0.069	-0.077	-0.036	0.069
position:	53	292405.19	-0.055	0.008	0.082	-0.055	0.007	0.082
position:	54	292419.91	-0.047	0.007	0.071	-0.047	0.007	0.071
position:	55	292434.49	-0.052	-0.023	0.072	-0.052	-0.023	0.072
position:	56	292449.13	-0.045	0.013	0.060	-0.045	0.013	0.060
position:	57	292463.65	-0.047	0.025	0.134	-0.047	0.025	0.134
position:	58	292478.37	-0.019	-0.039	0.038	-0.019	-0.039	0.038
position:	59	292493.18	-0.025	-0.003	-0.003	-0.025	-0.003	-0.003
position:	60	292507.81	-0.071	0.022	-0.015	-0.071	0.022	-0.015
position:	61	292522.46	-0.043	-0.003	0.029	-0.043	-0.003	0.029
position:	62	292537.10	-0.046	-0.017	0.038	-0.046	-0.017	0.038
position:	63	292551.83	-0.020	0.008	0.050	-0.020	0.008	0.050
position:	64	292566.75	-0.046	-0.024	0.104	-0.046	-0.024	0.104
position:	33	291971.18	0.011	0.015	0.017	0.011	0.015	0.017
position:	34	291981.33	0.015	-0.012	-0.012	0.015	-0.012	-0.012
position:	35	291991.44	0.031	0.027	0.040	0.031	0.027	0.040
position:	36	292001.44	0.036	-0.002	0.128	0.036	-0.002	0.128
position:	37	292011.32	0.043	-0.049	0.054	0.043	-0.049	0.054
position:	38	292021.22	0.039	0.050	0.055	0.039	0.049	0.055
position:	39	292031.16	0.069	0.015	0.072	0.069	0.015	0.072
position:	40	292041.13	0.043	0.019	0.119	0.043	0.019	0.119
position:	41	292051.08	0.073	0.019	0.080	0.073	0.019	0.080

position:	42	292061.00	0.068	0.004	0.102	0.068	0.004	0.102
position:	43	292070.93	0.089	0.015	0.064	0.089	0.015	0.064
position:	44	292080.85	0.082	0.011	0.089	0.082	0.011	0.089
position:	45	292090.73	0.066	-0.031	0.078	0.066	-0.031	0.078
position:	46	292100.56	0.043	0.013	0.038	0.043	0.013	0.038
position:	47	292110.37	0.026	0.033	-0.033	0.026	0.033	-0.033
position:	48	292120.25	0.031	0.034	0.060	0.031	0.034	0.060
position:	17	291594.40	-0.026	0.004	0.018	-0.026	0.004	0.018
position:	18	291609.36	-0.053	0.009	0.052	-0.053	0.009	0.052
position:	19	291624.43	-0.034	-0.003	0.007	-0.034	-0.003	0.007
position:	20	291639.35	-0.046	0.001	0.037	-0.046	0.001	0.037
position:	21	291654.27	-0.040	-0.001	0.048	-0.040	-0.001	0.048
position:	22	291669.16	-0.072	-0.014	0.091	-0.072	-0.014	0.091
position:	23	291684.17	-0.036	-0.020	0.137	-0.036	-0.020	0.137
position:	24	291699.10	-0.080	-0.003	0.108	-0.080	-0.003	0.108
position:	25	291713.89	-0.050	0.004	0.001	-0.050	0.004	0.001
position:	26	291728.77	-0.049	-0.030	0.004	-0.049	-0.030	0.004
position:	27	291743.74	-0.058	0.014	0.088	-0.058	0.014	0.088
position:	28	291758.64	-0.099	-0.002	0.098	-0.099	-0.002	0.098
position:	29	291773.43	-0.064	0.023	0.057	-0.064	0.023	0.057
position:	30	291788.38	-0.073	0.017	0.144	-0.073	0.017	0.144
position:	31	291803.34	-0.005	0.022	0.003	-0.005	0.022	0.003
position:	32	291818.31	-0.027	0.031	0.042	-0.027	0.031	0.042
position:	1	291230.13	0.008	0.004	-0.069	0.008	0.004	-0.069
position:	2	291240.44	0.023	-0.014	-0.082	0.023	-0.014	-0.082
position:	3	291250.69	0.041	0.027	0.014	0.041	0.027	0.014
position:	4	291260.87	0.001	0.013	-0.020	0.001	0.013	-0.020
position:	5	291271.10	0.032	0.004	0.030	0.032	0.004	0.030
position:	6	291281.33	0.012	0.043	0.025	0.012	0.043	0.025
position:	7	291291.49	0.028	0.014	-0.009	0.028	0.014	-0.009
position:	8	291301.61	0.033	0.050	0.100	0.033	0.050	0.100
position:	9	291311.72	0.016	0.061	0.050	0.016	0.061	0.050
position:	10	291321.88	0.041	0.007	0.076	0.041	0.007	0.076
position:	11	291332.10	0.019	0.070	-0.021	0.019	0.070	-0.021
position:	12	291342.36	0.076	0.027	0.023	0.076	0.027	0.023
position:	13	291352.47	0.061	-0.020	0.031	0.061	-0.020	0.031
position:	14	291362.56	0.020	0.027	-0.100	0.020	0.027	-0.100
position:	15	291372.72	0.054	-0.037	-0.026	0.054	-0.037	-0.026
position:	16	291382.80	0.041	0.025	-0.016	0.041	0.025	-0.016
position:	107	293945.17	-0.023	-0.016	-0.074	-0.023	-0.016	-0.074
position:	108	293957.09	0.016	-0.028	-0.033	0.016	-0.028	-0.033
position:	109	293968.96	0.005	-0.016	-0.087	0.005	-0.016	-0.087
position:	110	293981.02	-0.030	-0.029	-0.041	-0.030	-0.029	-0.041
position:	111	293992.98	-0.007	-0.030	-0.056	-0.007	-0.030	-0.056
position:	112	294005.04	-0.021	-0.032	-0.062	-0.021	-0.032	-0.062
position:	113	294017.24	-0.006	-0.018	-0.039	-0.006	-0.018	-0.039
position:	114	294029.52	0.009	-0.021	-0.062	0.009	-0.021	-0.062
position:	115	294041.62	0.006	-0.046	-0.086	0.006	-0.046	-0.086
position:	116	294053.47	-0.025	0.000	-0.042	-0.025	0.000	-0.042
position:	117	294065.35	-0.007	-0.034	-0.077	-0.007	-0.034	-0.077
position:	118	294077.49	0.009	-0.002	-0.085	0.009	-0.002	-0.085
position:	119	294089.64	0.006	0.011	-0.022	0.006	0.011	-0.022
position:	94	293590.48	-0.045	0.003	-0.102	-0.045	0.003	-0.102
position:	95	293602.77	-0.049	0.052	-0.075	-0.049	0.052	-0.075
position:	96	293615.02	0.013	0.023	-0.159	0.013	0.023	-0.159
position:	97	293627.25	-0.027	0.044	-0.052	-0.027	0.044	-0.052
position:	98	293639.74	0.011	0.021	0.006	0.011	0.021	0.006
position:	99	293652.43	0.019	0.047	-0.075	0.019	0.047	-0.075
position:	100	293664.75	0.030	-0.005	-0.060	0.030	-0.005	-0.060
position:	101	293677.04	-0.006	-0.011	-0.083	-0.006	-0.011	-0.083
position:	102	293689.37	0.014	0.000	-0.064	0.014	0.000	-0.064
position:	103	293701.49	0.003	0.002	-0.025	0.003	0.002	-0.025
position:	104	293713.81	0.003	0.041	-0.044	0.003	0.041	-0.044
position:	105	293726.25	-0.012	-0.011	-0.043	-0.012	-0.011	-0.043
position:	106	293738.57	-0.045	-0.004	-0.021	-0.045	-0.004	-0.021
position:	81	293221.33	-0.008	-0.019	-0.075	-0.008	-0.019	-0.075
position:	82	293233.62	0.029	-0.007	-0.054	0.029	-0.007	-0.054
position:	83	293245.75	0.011	-0.005	-0.022	0.011	-0.005	-0.022
position:	84	293258.09	0.009	-0.028	-0.036	0.009	-0.028	-0.036
position:	85	293270.52	0.002	-0.008	-0.116	0.002	-0.008	-0.116
position:	86	293282.81	-0.019	-0.014	-0.044	-0.019	-0.014	-0.044
position:	87	293295.08	0.027	-0.081	-0.056	0.027	-0.081	-0.056
position:	88	293307.36	-0.023	-0.010	-0.023	-0.023	-0.010	-0.023
position:	89	293319.63	-0.017	-0.070	-0.060	-0.017	-0.070	-0.060
position:	90	293331.86	-0.011	-0.015	-0.094	-0.011	-0.015	-0.094
position:	91	293344.03	0.008	-0.033	-0.140	0.008	-0.033	-0.140
position:	92	293356.26	-0.012	-0.005	-0.077	-0.012	-0.005	-0.077
position:	93	293368.57	-0.007	0.010	-0.053	-0.007	0.010	-0.053

Average position offset:

East: 0.000 m
North: 0.000 m
Alt: 0.000 m

Position offset RMS:

East: 0.039 m
North: 0.025 m
Alt: 0.065 m

Misalignment angles for the single events [deg]:

	number	time	roll	pitch	yaw	d roll	d pitch	d yaw
angle:	65	292756.98	0.1605	0.2380	-0.3751	0.0001	-0.0023	0.0023
angle:	66	292767.18	0.1615	0.2394	-0.3754	0.0011	-0.0009	0.0020
angle:	67	292777.45	0.1611	0.2385	-0.3754	0.0007	-0.0018	0.0020
angle:	68	292787.55	0.1611	0.2387	-0.3747	0.0007	-0.0016	0.0027
angle:	69	292797.56	0.1609	0.2386	-0.3742	0.0006	-0.0017	0.0032
angle:	70	292807.62	0.1611	0.2376	-0.3743	0.0007	-0.0027	0.0032
angle:	71	292817.72	0.1620	0.2379	-0.3743	0.0016	-0.0024	0.0031
angle:	72	292827.84	0.1626	0.2379	-0.3735	0.0022	-0.0024	0.0039
angle:	73	292837.97	0.1625	0.2372	-0.3725	0.0021	-0.0031	0.0049
angle:	74	292848.06	0.1629	0.2384	-0.3717	0.0026	-0.0019	0.0057
angle:	75	292858.09	0.1622	0.2377	-0.3719	0.0018	-0.0026	0.0055
angle:	76	292868.11	0.1626	0.2382	-0.3714	0.0022	-0.0021	0.0060
angle:	77	292878.20	0.1616	0.2376	-0.3711	0.0012	-0.0027	0.0063
angle:	78	292888.33	0.1617	0.2372	-0.3710	0.0013	-0.0031	0.0064
angle:	79	292898.47	0.1624	0.2366	-0.3706	0.0020	-0.0037	0.0068
angle:	80	292908.53	0.1636	0.2370	-0.3708	0.0032	-0.0033	0.0066
angle:	49	292346.34	0.1612	0.2428	-0.3842	0.0008	0.0025	-0.0068
angle:	50	292361.27	0.1620	0.2423	-0.3842	0.0016	0.0021	-0.0068
angle:	51	292375.94	0.1609	0.2430	-0.3839	0.0005	0.0028	-0.0065
angle:	52	292390.57	0.1598	0.2432	-0.3839	-0.0006	0.0029	-0.0065
angle:	53	292405.19	0.1599	0.2436	-0.3835	-0.0005	0.0034	-0.0061
angle:	54	292419.91	0.1602	0.2437	-0.3833	-0.0001	0.0034	-0.0059
angle:	55	292434.49	0.1602	0.2434	-0.3832	-0.0002	0.0031	-0.0058
angle:	56	292449.13	0.1605	0.2438	-0.3830	0.0002	0.0036	-0.0055
angle:	57	292463.65	0.1602	0.2435	-0.3830	-0.0001	0.0032	-0.0056
angle:	58	292478.37	0.1597	0.2434	-0.3829	-0.0007	0.0031	-0.0055
angle:	59	292493.18	0.1606	0.2429	-0.3833	0.0002	0.0026	-0.0059
angle:	60	292507.81	0.1615	0.2423	-0.3830	0.0011	0.0020	-0.0056
angle:	61	292522.46	0.1611	0.2418	-0.3836	0.0007	0.0015	-0.0062
angle:	62	292537.10	0.1610	0.2430	-0.3834	0.0006	0.0027	-0.0059
angle:	63	292551.83	0.1624	0.2430	-0.3838	0.0020	0.0027	-0.0064
angle:	64	292566.75	0.1629	0.2424	-0.3834	0.0025	0.0021	-0.0060
angle:	33	291971.18	0.1574	0.2408	-0.3797	-0.0030	0.0006	-0.0023
angle:	34	291981.33	0.1573	0.2410	-0.3790	-0.0031	0.0007	-0.0016
angle:	35	291991.44	0.1583	0.2393	-0.3785	-0.0021	-0.0009	-0.0011
angle:	36	292001.44	0.1595	0.2388	-0.3781	-0.0009	-0.0014	-0.0007
angle:	37	292011.32	0.1599	0.2390	-0.3779	-0.0005	-0.0013	-0.0005
angle:	38	292021.22	0.1585	0.2386	-0.3778	-0.0019	-0.0017	-0.0004
angle:	39	292031.16	0.1592	0.2379	-0.3775	-0.0012	-0.0023	-0.0001
angle:	40	292041.13	0.1590	0.2380	-0.3770	-0.0014	-0.0022	0.0004
angle:	41	292051.08	0.1588	0.2369	-0.3771	-0.0016	-0.0033	0.0003
angle:	42	292061.00	0.1590	0.2369	-0.3770	-0.0014	-0.0034	0.0004
angle:	43	292070.93	0.1597	0.2371	-0.3772	-0.0007	-0.0031	0.0002
angle:	44	292080.85	0.1610	0.2376	-0.3774	0.0006	-0.0026	0.0000
angle:	45	292090.73	0.1606	0.2376	-0.3773	0.0002	-0.0026	0.0001
angle:	46	292100.56	0.1597	0.2383	-0.3769	-0.0007	-0.0020	0.0005
angle:	47	292110.37	0.1598	0.2389	-0.3771	-0.0005	-0.0014	0.0003
angle:	48	292120.25	0.1580	0.2387	-0.3770	-0.0023	-0.0016	0.0004
angle:	17	291594.40	0.1591	0.2432	-0.3858	-0.0013	0.0029	-0.0084
angle:	18	291609.36	0.1593	0.2438	-0.3858	-0.0011	0.0035	-0.0084
angle:	19	291624.43	0.1592	0.2431	-0.3856	-0.0012	0.0029	-0.0082
angle:	20	291639.35	0.1592	0.2438	-0.3849	-0.0011	0.0035	-0.0075
angle:	21	291654.27	0.1591	0.2439	-0.3844	-0.0013	0.0036	-0.0070
angle:	22	291669.16	0.1591	0.2440	-0.3835	-0.0013	0.0038	-0.0061
angle:	23	291684.17	0.1585	0.2442	-0.3830	-0.0019	0.0040	-0.0056
angle:	24	291699.10	0.1598	0.2425	-0.3821	-0.0005	0.0022	-0.0047
angle:	25	291713.89	0.1594	0.2431	-0.3821	-0.0010	0.0028	-0.0047
angle:	26	291728.77	0.1586	0.2433	-0.3814	-0.0018	0.0030	-0.0040
angle:	27	291743.74	0.1591	0.2426	-0.3808	-0.0013	0.0023	-0.0034
angle:	28	291758.64	0.1589	0.2418	-0.3802	-0.0015	0.0016	-0.0028
angle:	29	291773.43	0.1584	0.2421	-0.3802	-0.0020	0.0018	-0.0028
angle:	30	291788.38	0.1587	0.2413	-0.3798	-0.0017	0.0011	-0.0024
angle:	31	291803.34	0.1587	0.2419	-0.3798	-0.0016	0.0016	-0.0024
angle:	32	291818.31	0.1604	0.2404	-0.3796	0.0000	0.0002	-0.0022
angle:	1	291230.13	0.1582	0.2426	-0.3818	-0.0022	0.0023	-0.0044
angle:	2	291240.44	0.1578	0.2424	-0.3820	-0.0026	0.0021	-0.0046
angle:	3	291250.69	0.1575	0.2416	-0.3819	-0.0029	0.0014	-0.0045
angle:	4	291260.87	0.1582	0.2418	-0.3814	-0.0021	0.0015	-0.0040
angle:	5	291271.10	0.1582	0.2419	-0.3812	-0.0022	0.0016	-0.0038
angle:	6	291281.33	0.1578	0.2416	-0.3815	-0.0026	0.0013	-0.0041
angle:	7	291291.49	0.1576	0.2409	-0.3812	-0.0028	0.0007	-0.0038
angle:	8	291301.61	0.1569	0.2410	-0.3812	-0.0034	0.0008	-0.0038
angle:	9	291311.72	0.1571	0.2418	-0.3816	-0.0033	0.0015	-0.0041
angle:	10	291321.88	0.1572	0.2413	-0.3815	-0.0032	0.0010	-0.0040
angle:	11	291332.10	0.1565	0.2420	-0.3815	-0.0039	0.0017	-0.0041
angle:	12	291342.36	0.1574	0.2410	-0.3808	-0.0030	0.0007	-0.0034
angle:	13	291352.47	0.1579	0.2406	-0.3802	-0.0025	0.0003	-0.0028
angle:	14	291362.56	0.1576	0.2416	-0.3797	-0.0028	0.0013	-0.0023
angle:	15	291372.72	0.1578	0.2407	-0.3791	-0.0026	0.0004	-0.0017
angle:	16	291382.80	0.1567	0.2407	-0.3788	-0.0037	0.0005	-0.0014
angle:	107	293945.17	0.1592	0.2391	-0.3731	-0.0012	-0.0011	0.0043
angle:	108	293957.09	0.1597	0.2404	-0.3735	-0.0007	0.0001	0.0039
angle:	109	293968.96	0.1594	0.2410	-0.3727	-0.0010	0.0007	0.0047
angle:	110	293981.02	0.1608	0.2406	-0.3722	0.0004	0.0003	0.0053
angle:	111	293992.98	0.1608	0.2395	-0.3713	0.0005	-0.0007	0.0061
angle:	112	294005.04	0.1608	0.2399	-0.3714	0.0004	-0.0004	0.0060
angle:	113	294017.24	0.1605	0.2397	-0.3701	0.0002	-0.0006	0.0073
angle:	114	294029.52	0.1607	0.2398	-0.3693	0.0003	-0.0005	0.0081
angle:	115	294041.62	0.1608	0.2388	-0.3692	0.0004	-0.0015	0.0082
angle:	116	294053.47	0.1608	0.2390	-0.3685	0.0004	-0.0012	0.0089

angle:	117	294065.35	0.1598	0.2393	-0.3677	-0.0006	-0.0009	0.0097
angle:	118	294077.49	0.1599	0.2394	-0.3681	-0.0005	-0.0009	0.0093
angle:	119	294089.64	0.1619	0.2404	-0.3691	0.0016	0.0001	0.0083
angle:	94	293590.48	0.1635	0.2382	-0.3716	0.0031	-0.0021	0.0059
angle:	95	293602.77	0.1638	0.2378	-0.3724	0.0034	-0.0024	0.0050
angle:	96	293615.02	0.1643	0.2381	-0.3726	0.0039	-0.0022	0.0049
angle:	97	293627.25	0.1643	0.2388	-0.3728	0.0039	-0.0014	0.0046
angle:	98	293639.74	0.1641	0.2386	-0.3726	0.0037	-0.0017	0.0048
angle:	99	293652.43	0.1637	0.2371	-0.3729	0.0033	-0.0031	0.0046
angle:	100	293664.75	0.1641	0.2383	-0.3730	0.0037	-0.0020	0.0044
angle:	101	293677.04	0.1649	0.2389	-0.3731	0.0045	-0.0013	0.0043
angle:	102	293689.37	0.1645	0.2381	-0.3729	0.0042	-0.0021	0.0045
angle:	103	293701.49	0.1653	0.2387	-0.3730	0.0050	-0.0016	0.0044
angle:	104	293713.81	0.1654	0.2386	-0.3731	0.0050	-0.0017	0.0043
angle:	105	293726.25	0.1660	0.2386	-0.3733	0.0056	-0.0017	0.0041
angle:	106	293738.57	0.1657	0.2382	-0.3740	0.0053	-0.0021	0.0034
angle:	81	293221.33	0.1587	0.2392	-0.3769	-0.0017	-0.0011	0.0005
angle:	82	293233.62	0.1595	0.2396	-0.3774	-0.0009	-0.0007	0.0000
angle:	83	293245.75	0.1588	0.2400	-0.3770	-0.0016	-0.0003	0.0004
angle:	84	293258.09	0.1601	0.2398	-0.3766	-0.0003	-0.0005	0.0008
angle:	85	293270.52	0.1602	0.2402	-0.3758	-0.0002	-0.0001	0.0017
angle:	86	293282.81	0.1604	0.2398	-0.3766	0.0000	-0.0005	0.0008
angle:	87	293295.08	0.1601	0.2391	-0.3755	-0.0003	-0.0012	0.0019
angle:	88	293307.36	0.1609	0.2396	-0.3753	0.0005	-0.0007	0.0021
angle:	89	293319.63	0.1617	0.2402	-0.3751	0.0013	0.0000	0.0023
angle:	90	293331.86	0.1611	0.2403	-0.3752	0.0007	0.0000	0.0022
angle:	91	293344.03	0.1614	0.2402	-0.3753	0.0010	-0.0001	0.0021
angle:	92	293356.26	0.1612	0.2406	-0.3749	0.0008	0.0003	0.0025
angle:	93	293368.57	0.1613	0.2406	-0.3759	0.0009	0.0003	0.0015

Average Boresight Angles:

Roll: 0.1604 deg
Pitch: 0.2403 deg
Yaw: -0.3774 deg

Boresight Angle RMS:

Roll: 0.0021 deg
Pitch: 0.0021 deg
Yaw: 0.0047 deg

Success!!
Boresight Calculation finished