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

Boresight Misalignment Calculations  
16/05/2025 10:34:53

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Project: PoL-Cal 2025 E-M3 IMU IIE  
Projectfile: C:\AEROofficeV51\PROYECTOS\13\_PROYECTOS\_EAGLE-M3\25\_0021\_POL-CAL\_TALAVERA\_MAY\_2025\_16CM

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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

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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

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Loading INS Data  
87 usable events found

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

144 events with matching eventnumbers found.

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Position offset for the single events [m]:

	number	time	east	north	alt	d east	d north	d alt
position:	1	119019.68	0.002	0.000	-0.043	0.003	0.000	-0.020
position:	2	119024.56	-0.016	0.002	-0.048	-0.015	0.002	-0.026
position:	3	119029.45	-0.013	0.005	-0.027	-0.012	0.005	-0.004
position:	4	119034.35	-0.012	0.003	-0.049	-0.011	0.003	-0.027
position:	5	119039.25	-0.016	0.010	-0.029	-0.015	0.010	-0.006
position:	6	119044.13	-0.010	0.014	-0.057	-0.009	0.014	-0.034
position:	7	119049.01	-0.004	-0.012	-0.046	-0.003	-0.012	-0.024
position:	8	119053.89	-0.016	-0.012	-0.021	-0.015	-0.012	0.001
position:	9	119058.75	-0.015	-0.006	-0.011	-0.014	-0.006	0.012
position:	10	119063.61	-0.005	-0.012	-0.079	-0.004	-0.012	-0.057
position:	11	119068.46	-0.005	0.000	-0.047	-0.004	0.000	-0.024
position:	12	119073.33	-0.008	-0.014	-0.036	-0.007	-0.014	-0.014
position:	13	119078.20	-0.018	-0.015	0.003	-0.017	-0.015	0.026
position:	14	119083.07	-0.001	-0.003	-0.012	0.001	-0.003	0.010
position:	15	119087.94	-0.007	0.004	-0.022	-0.006	0.004	0.000
position:	16	119092.85	0.004	-0.002	-0.051	0.005	-0.002	-0.028
position:	17	119097.78	-0.007	-0.006	-0.056	-0.006	-0.006	-0.034
position:	18	119102.75	-0.010	0.000	-0.019	-0.009	0.000	0.003
position:	19	119107.71	0.002	0.001	-0.043	0.003	0.001	-0.020
position:	20	119112.65	0.001	-0.008	-0.065	0.002	-0.008	-0.043
position:	21	119117.55	0.004	0.001	-0.034	0.005	0.001	-0.012
position:	22	119122.43	-0.007	0.002	-0.035	-0.006	0.002	-0.013
position:	23	119127.29	0.001	-0.001	-0.038	0.003	-0.001	-0.016
position:	24	119132.14	-0.005	0.008	-0.020	-0.003	0.008	0.003
position:	25	119337.93	0.010	-0.001	-0.085	0.011	-0.001	-0.062
position:	26	119342.13	0.001	0.000	-0.015	0.003	0.000	0.008
position:	27	119346.34	0.018	0.011	-0.051	0.019	0.011	-0.028
position:	28	119350.55	0.015	0.007	0.002	0.016	0.007	0.025
position:	29	119354.76	0.017	0.000	-0.021	0.018	0.000	0.001
position:	30	119358.96	0.014	0.012	-0.047	0.015	0.012	-0.024
position:	31	119363.15	0.034	0.010	-0.070	0.036	0.010	-0.048
position:	32	119367.33	0.016	0.016	-0.005	0.017	0.016	0.017
position:	33	119371.51	0.017	0.000	-0.022	0.018	0.000	0.001
position:	34	119375.66	0.015	-0.001	-0.048	0.016	-0.001	-0.025
position:	35	119379.79	0.019	0.007	0.017	0.020	0.007	0.039
position:	36	119383.92	0.024	0.006	0.008	0.025	0.006	0.031
position:	37	119388.05	0.018	0.001	-0.037	0.019	0.001	-0.014
position:	38	119392.20	0.019	0.002	-0.045	0.020	0.002	-0.023
position:	39	119396.35	0.012	-0.007	-0.012	0.013	-0.007	0.010
position:	40	119400.51	0.011	-0.010	0.003	0.012	-0.010	0.026
position:	41	119404.69	0.007	-0.008	-0.003	0.009	-0.008	0.019
position:	42	119408.88	0.023	0.005	-0.060	0.025	0.005	-0.037

position:	43	119413.06	0.000	0.002	-0.018	0.002	0.002	0.004
position:	44	119417.22	0.003	0.000	-0.039	0.005	0.000	-0.017
position:	45	119421.36	-0.004	0.002	-0.051	-0.003	0.002	-0.029
position:	46	119425.49	0.006	0.009	-0.004	0.008	0.009	0.018
position:	47	119429.60	0.001	0.002	-0.026	0.002	0.002	-0.003
position:	48	119433.72	0.011	0.006	-0.013	0.012	0.006	0.009
position:	49	119664.98	0.000	-0.004	-0.010	0.002	-0.004	0.013
position:	50	119669.94	0.003	0.001	-0.040	0.004	0.001	-0.017
position:	51	119674.93	0.013	-0.012	-0.064	0.014	-0.012	-0.042
position:	52	119679.91	-0.023	-0.018	-0.021	-0.022	-0.018	0.002
position:	53	119684.86	-0.016	-0.021	0.037	-0.014	-0.021	0.060
position:	54	119689.79	-0.002	-0.003	-0.043	-0.001	-0.003	-0.020
position:	55	119694.68	0.004	-0.019	0.016	0.005	-0.019	0.039
position:	56	119699.57	-0.005	-0.004	-0.050	-0.003	-0.004	-0.028
position:	57	119704.46	-0.010	-0.003	0.034	-0.008	-0.003	0.056
position:	58	119709.35	-0.009	-0.009	0.005	-0.007	-0.009	0.027
position:	59	119714.25	-0.003	-0.012	-0.019	-0.002	-0.012	0.003
position:	60	119719.15	-0.010	-0.008	-0.042	-0.008	-0.008	-0.019
position:	61	119724.06	-0.016	-0.024	0.011	-0.014	-0.024	0.033
position:	62	119728.85	-0.007	-0.010	-0.071	-0.006	-0.010	-0.049
position:	63	119733.83	-0.009	0.005	-0.072	-0.008	0.005	-0.049
position:	64	119738.71	-0.007	-0.010	-0.051	-0.006	-0.010	-0.028
position:	65	119743.58	-0.011	-0.021	0.000	-0.010	-0.021	0.023
position:	66	119748.46	0.002	-0.017	-0.036	0.004	-0.017	-0.013
position:	67	119753.35	0.007	-0.015	-0.023	0.008	-0.015	-0.001
position:	68	119758.24	-0.009	-0.013	-0.032	-0.007	-0.013	-0.010
position:	69	119763.13	0.011	-0.001	-0.058	0.012	-0.001	-0.035
position:	70	119768.02	-0.016	-0.017	-0.021	-0.015	-0.017	0.002
position:	71	119772.93	-0.006	-0.002	-0.033	-0.004	-0.002	-0.011
position:	72	119777.84	-0.007	0.006	0.001	-0.006	0.006	0.023
position:	73	120016.13	-0.006	0.008	-0.073	-0.004	0.008	-0.051
position:	74	120020.72	-0.003	0.001	-0.032	-0.002	0.001	-0.010
position:	75	120025.29	-0.012	0.013	-0.032	-0.011	0.013	-0.009
position:	76	120029.86	-0.010	0.012	-0.037	-0.009	0.012	-0.015
position:	77	120034.41	-0.010	0.004	0.012	-0.009	0.004	0.035
position:	78	120038.94	-0.002	0.020	-0.011	-0.001	0.020	0.012
position:	79	120043.47	-0.018	-0.011	-0.022	-0.017	-0.011	0.000
position:	80	120048.00	-0.005	0.011	0.017	-0.003	0.011	0.039
position:	81	120052.54	-0.027	0.009	-0.033	-0.025	0.009	-0.011
position:	82	120057.09	-0.022	0.017	0.005	-0.020	0.017	0.027
position:	83	120061.63	-0.009	0.008	-0.051	-0.007	0.008	-0.029
position:	84	120066.16	-0.011	-0.004	-0.011	-0.010	-0.004	0.011
position:	85	120070.68	0.006	0.017	0.013	0.007	0.017	0.036
position:	86	120075.20	0.007	0.010	-0.018	0.008	0.010	0.004
position:	87	120079.73	0.006	0.014	-0.030	0.007	0.014	-0.008
position:	88	120084.26	-0.004	0.001	-0.053	-0.003	0.001	-0.030
position:	89	120088.81	-0.001	0.024	-0.006	0.000	0.024	0.017
position:	90	120093.36	-0.004	0.029	-0.049	-0.003	0.029	-0.026
position:	91	120097.92	-0.011	0.013	-0.040	-0.010	0.013	-0.018
position:	92	120102.48	-0.033	0.009	-0.001	-0.032	0.009	0.021
position:	93	120107.02	-0.006	0.013	0.000	-0.004	0.013	0.022
position:	94	120111.57	-0.021	0.015	-0.020	-0.019	0.015	0.003
position:	95	120116.11	-0.007	0.014	0.021	-0.006	0.014	0.044
position:	96	120120.65	-0.006	0.007	0.028	-0.005	0.007	0.050
position:	97	120339.98	-0.007	0.004	-0.004	-0.005	0.004	0.018
position:	98	120344.54	0.006	-0.011	-0.036	0.007	-0.011	-0.013
position:	99	120349.11	0.009	-0.019	-0.039	0.011	-0.019	-0.017
position:	100	120353.67	0.018	-0.016	-0.047	0.020	-0.016	-0.024
position:	101	120358.16	0.020	-0.025	-0.025	0.022	-0.025	-0.002
position:	102	120362.62	0.015	0.000	-0.085	0.016	0.000	-0.063
position:	103	120367.07	0.003	-0.018	0.005	0.004	-0.018	0.027
position:	104	120371.50	0.012	0.006	-0.016	0.013	0.006	0.006
position:	105	120375.94	0.002	-0.011	0.049	0.004	-0.011	0.072
position:	106	120380.40	0.002	-0.028	-0.030	0.004	-0.028	-0.007
position:	107	120384.89	0.015	-0.008	0.027	0.016	-0.008	0.049
position:	108	120389.37	0.013	-0.012	0.019	0.014	-0.012	0.042
position:	109	120393.87	0.014	-0.009	0.002	0.015	-0.009	0.024
position:	110	120398.37	-0.005	0.000	0.015	-0.004	0.000	0.038
position:	111	120402.88	0.022	-0.026	0.044	0.024	-0.026	0.066
position:	112	120407.38	-0.013	-0.014	0.004	-0.012	-0.014	0.027
position:	113	120411.88	-0.001	-0.011	-0.005	0.000	-0.011	0.017
position:	114	120416.37	0.012	0.000	-0.048	0.013	0.000	-0.026
position:	115	120420.85	0.034	-0.001	-0.028	0.036	-0.001	-0.005
position:	116	120425.33	0.025	-0.020	0.037	0.027	-0.020	0.059
position:	117	120429.79	0.012	-0.003	0.010	0.013	-0.003	0.033
position:	118	120434.24	0.002	-0.013	-0.069	0.003	-0.013	-0.047
position:	119	120438.67	-0.002	-0.010	0.008	-0.001	-0.010	0.031
position:	120	120443.11	0.009	-0.008	0.020	0.010	-0.008	0.043
position:	121	120668.22	-0.007	0.002	-0.042	-0.005	0.002	-0.020
position:	122	120672.75	0.002	0.004	-0.040	0.004	0.004	-0.018
position:	123	120677.28	-0.011	0.011	-0.083	-0.010	0.011	-0.060
position:	124	120681.79	-0.011	-0.007	-0.041	-0.010	-0.007	-0.018
position:	125	120686.29	-0.006	0.023	-0.022	-0.005	0.023	0.000
position:	126	120690.80	-0.002	0.008	-0.041	-0.001	0.008	-0.018
position:	127	120695.30	-0.007	0.009	0.006	-0.005	0.009	0.029
position:	128	120699.81	-0.022	0.005	-0.015	-0.021	0.005	0.007
position:	129	120704.34	-0.009	-0.003	-0.050	-0.008	-0.003	-0.027
position:	130	120708.88	-0.012	0.003	-0.038	-0.010	0.003	-0.016
position:	131	120713.40	-0.017	0.012	0.010	-0.015	0.012	0.033
position:	132	120717.91	-0.008	0.018	-0.010	-0.007	0.018	0.012
position:	133	120722.40	-0.009	0.004	0.004	-0.008	0.004	0.027
position:	134	120726.88	0.014	0.009	0.029	0.015	0.009	0.051

position:	135	120731.36	-0.003	0.020	0.010	-0.002	0.020	0.033
position:	136	120735.84	0.001	0.003	-0.018	0.002	0.003	0.004
position:	137	120740.31	-0.024	0.026	0.023	-0.023	0.026	0.045
position:	138	120744.79	-0.005	0.003	-0.042	-0.004	0.003	-0.019
position:	139	120749.26	0.001	0.007	-0.040	0.002	0.007	-0.018
position:	140	120753.73	-0.003	0.023	-0.043	-0.002	0.023	-0.020
position:	141	120758.19	-0.017	0.004	-0.040	-0.016	0.004	-0.017
position:	142	120762.66	-0.019	0.024	0.008	-0.017	0.024	0.031
position:	143	120767.13	-0.021	-0.010	-0.035	-0.020	-0.010	-0.012
position:	144	120771.60	-0.019	0.001	0.001	-0.017	0.001	0.024

**Average position offset:**

East:	-0.001	m
North:	0.000	m
Alt:	-0.022	m
<b>Position offset RMS:</b>		
East:	0.013	m
North:	0.012	m
Alt:	0.029	m

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**Misalignment angles for the single events [deg]:**

number	time	roll	pitch	yaw	d roll	d pitch	d yaw
angle:	1	119019.68	0.1067	0.2551	-0.2381	-0.0061	0.0035
angle:	2	119024.56	0.1069	0.2542	-0.2382	-0.0059	0.0026
angle:	3	119029.45	0.1076	0.2545	-0.2383	-0.0052	0.0029
angle:	4	119034.35	0.1080	0.2539	-0.2381	-0.0048	0.0023
angle:	5	119039.25	0.1082	0.2538	-0.2380	-0.0046	0.0022
angle:	6	119044.13	0.1080	0.2538	-0.2380	-0.0048	0.0022
angle:	7	119049.01	0.1077	0.2539	-0.2376	-0.0051	0.0023
angle:	8	119053.89	0.1078	0.2541	-0.2373	-0.0050	0.0025
angle:	9	119058.75	0.1084	0.2541	-0.2369	-0.0044	0.0026
angle:	10	119063.61	0.1077	0.2544	-0.2367	-0.0051	0.0028
angle:	11	119068.46	0.1081	0.2548	-0.2361	-0.0047	0.0032
angle:	12	119073.33	0.1081	0.2547	-0.2360	-0.0047	0.0031
angle:	13	119078.20	0.1083	0.2539	-0.2362	-0.0045	0.0023
angle:	14	119083.07	0.1085	0.2541	-0.2363	-0.0043	0.0025
angle:	15	119087.94	0.1087	0.2540	-0.2360	-0.0041	0.0024
angle:	16	119092.85	0.1084	0.2541	-0.2356	-0.0044	0.0026
angle:	17	119097.78	0.1083	0.2539	-0.2353	-0.0045	0.0023
angle:	18	119102.75	0.1086	0.2532	-0.2353	-0.0042	0.0016
angle:	19	119107.71	0.1091	0.2528	-0.2356	-0.0036	0.0012
angle:	20	119112.65	0.1091	0.2523	-0.2358	-0.0036	0.0007
angle:	21	119117.55	0.1096	0.2519	-0.2355	-0.0032	0.0003
angle:	22	119122.43	0.1096	0.2519	-0.2355	-0.0032	0.0003
angle:	23	119127.29	0.1094	0.2518	-0.2354	-0.0034	0.0003
angle:	24	119132.14	0.1097	0.2512	-0.2350	-0.0031	-0.0004
angle:	25	119337.93	0.1110	0.2520	-0.2507	-0.0018	0.0004
angle:	26	119342.13	0.1109	0.2524	-0.2502	-0.0019	0.0008
angle:	27	119346.34	0.1108	0.2519	-0.2501	-0.0020	0.0003
angle:	28	119350.55	0.1104	0.2512	-0.2496	-0.0024	-0.0004
angle:	29	119354.76	0.1103	0.2507	-0.2497	-0.0025	-0.0008
angle:	30	119358.96	0.1104	0.2510	-0.2493	-0.0024	-0.0006
angle:	31	119363.15	0.1100	0.2512	-0.2493	-0.0028	-0.0004
angle:	32	119367.33	0.1095	0.2509	-0.2490	-0.0033	-0.0007
angle:	33	119371.51	0.1093	0.2511	-0.2492	-0.0035	-0.0005
angle:	34	119375.66	0.1088	0.2511	-0.2487	-0.0040	-0.0005
angle:	35	119379.79	0.1088	0.2508	-0.2490	-0.0040	-0.0008
angle:	36	119383.92	0.1091	0.2515	-0.2487	-0.0037	-0.0001
angle:	37	119388.05	0.1092	0.2514	-0.2488	-0.0036	-0.0002
angle:	38	119392.20	0.1097	0.2514	-0.2489	-0.0031	-0.0002
angle:	39	119396.35	0.1093	0.2513	-0.2488	-0.0035	-0.0003
angle:	40	119400.51	0.1097	0.2513	-0.2486	-0.0031	-0.0003
angle:	41	119404.69	0.1099	0.2509	-0.2484	-0.0029	-0.0007
angle:	42	119408.88	0.1100	0.2502	-0.2482	-0.0028	-0.0014
angle:	43	119413.06	0.1099	0.2505	-0.2487	-0.0029	-0.0011
angle:	44	119417.22	0.1103	0.2500	-0.2487	-0.0025	-0.0016
angle:	45	119421.36	0.1105	0.2507	-0.2489	-0.0023	-0.0009
angle:	46	119425.49	0.1111	0.2504	-0.2486	-0.0017	-0.0012
angle:	47	119429.60	0.1117	0.2506	-0.2486	-0.0011	-0.0010
angle:	48	119433.72	0.1121	0.2503	-0.2483	-0.0007	-0.0013
angle:	49	119664.98	0.1124	0.2523	-0.2325	-0.0004	0.0007
angle:	50	119669.94	0.1126	0.2523	-0.2325	-0.0002	0.0007
angle:	51	119674.93	0.1127	0.2522	-0.2323	-0.0001	0.0006
angle:	52	119679.91	0.1122	0.2515	-0.2319	-0.0006	-0.0001
angle:	53	119684.86	0.1120	0.2515	-0.2318	-0.0008	-0.0001
angle:	54	119689.79	0.1127	0.2521	-0.2316	-0.0001	0.0005
angle:	55	119694.68	0.1128	0.2521	-0.2317	0.0000	0.0005
angle:	56	119699.57	0.1135	0.2527	-0.2311	0.0007	0.0012
angle:	57	119704.46	0.1131	0.2523	-0.2313	0.0003	0.0007
angle:	58	119709.35	0.1133	0.2521	-0.2306	0.0005	0.0005
angle:	59	119714.25	0.1132	0.2523	-0.2303	0.0004	0.0007
angle:	60	119719.15	0.1138	0.2522	-0.2306	0.0010	0.0006
angle:	61	119724.06	0.1137	0.2524	-0.2308	0.0009	0.0008
angle:	62	119728.95	0.1136	0.2522	-0.2305	0.0008	0.0006
angle:	63	119733.83	0.1135	0.2527	-0.2304	0.0007	0.0011
angle:	64	119738.71	0.1134	0.2531	-0.2303	0.0006	0.0015
angle:	65	119743.58	0.1125	0.2529	-0.2299	-0.0003	0.0013
angle:	66	119748.46	0.1126	0.2535	-0.2295	-0.0002	0.0019
angle:	67	119753.35	0.1125	0.2535	-0.2292	-0.0003	0.0019

angle:	68	119758.24	0.1130	0.2536	-0.2291	0.0002	0.0020	0.0107
angle:	69	119763.13	0.1129	0.2534	-0.2290	0.0001	0.0018	0.0108
angle:	70	119768.02	0.1126	0.2525	-0.2290	-0.0002	0.0010	0.0109
angle:	71	119772.93	0.1132	0.2529	-0.2286	0.0004	0.0013	0.0113
angle:	72	119777.84	0.1131	0.2523	-0.2282	0.0003	0.0007	0.0117
angle:	73	120016.13	0.1138	0.2516	-0.2516	0.0010	0.0000	-0.0117
angle:	74	120020.72	0.1142	0.2511	-0.2513	0.0014	-0.0005	-0.0114
angle:	75	120025.29	0.1140	0.2511	-0.2507	0.0012	-0.0005	-0.0109
angle:	76	120029.86	0.1139	0.2515	-0.2508	0.0011	-0.0001	-0.0110
angle:	77	120034.41	0.1142	0.2514	-0.2503	0.0014	-0.0002	-0.0105
angle:	78	120038.94	0.1148	0.2518	-0.2496	0.0020	0.0002	-0.0097
angle:	79	120043.47	0.1150	0.2524	-0.2488	0.0022	0.0008	-0.0089
angle:	80	120048.00	0.1152	0.2514	-0.2482	0.0024	-0.0001	-0.0083
angle:	81	120052.54	0.1146	0.2517	-0.2481	0.0018	0.0001	-0.0082
angle:	82	120057.09	0.1150	0.2510	-0.2482	0.0022	-0.0006	-0.0083
angle:	83	120061.63	0.1151	0.2517	-0.2478	0.0023	0.0001	-0.0080
angle:	84	120066.16	0.1151	0.2512	-0.2472	0.0023	-0.0003	-0.0074
angle:	85	120070.68	0.1157	0.2514	-0.2472	0.0029	-0.0002	-0.0073
angle:	86	120075.20	0.1152	0.2514	-0.2462	0.0024	-0.0002	-0.0064
angle:	87	120079.73	0.1142	0.2513	-0.2464	0.0014	-0.0003	-0.0066
angle:	88	120084.26	0.1146	0.2513	-0.2463	0.0018	-0.0003	-0.0064
angle:	89	120088.81	0.1146	0.2511	-0.2463	0.0018	-0.0005	-0.0064
angle:	90	120093.36	0.1143	0.2510	-0.2460	0.0015	-0.0006	-0.0061
angle:	91	120097.92	0.1143	0.2511	-0.2459	0.0015	-0.0005	-0.0061
angle:	92	120102.48	0.1147	0.2507	-0.2461	0.0019	-0.0009	-0.0062
angle:	93	120107.02	0.1156	0.2505	-0.2461	0.0028	-0.0011	-0.0062
angle:	94	120111.57	0.1157	0.2506	-0.2456	0.0029	-0.0010	-0.0057
angle:	95	120116.11	0.1163	0.2508	-0.2450	0.0035	-0.0008	-0.0051
angle:	96	120120.65	0.1161	0.2503	-0.2436	0.0033	-0.0013	-0.0038
angle:	97	120339.98	0.1124	0.2521	-0.2327	-0.0004	0.0005	0.0071
angle:	98	120344.54	0.1124	0.2517	-0.2324	-0.0004	0.0001	0.0075
angle:	99	120349.11	0.1131	0.2524	-0.2319	0.0003	0.0008	0.0080
angle:	100	120353.67	0.1132	0.2519	-0.2316	0.0004	0.0004	0.0083
angle:	101	120358.16	0.1135	0.2520	-0.2314	0.0007	0.0004	0.0085
angle:	102	120362.62	0.1135	0.2522	-0.2322	0.0007	0.0006	0.0077
angle:	103	120367.07	0.1136	0.2519	-0.2317	0.0008	0.0003	0.0082
angle:	104	120371.50	0.1134	0.2525	-0.2320	0.0006	0.0009	0.0079
angle:	105	120375.94	0.1135	0.2525	-0.2313	0.0007	0.0009	0.0086
angle:	106	120380.40	0.1136	0.2519	-0.2310	0.0008	0.0003	0.0088
angle:	107	120384.89	0.1134	0.2515	-0.2309	0.0007	-0.0001	0.0089
angle:	108	120389.37	0.1135	0.2510	-0.2316	0.0007	-0.0006	0.0082
angle:	109	120393.87	0.1131	0.2511	-0.2318	0.0003	-0.0004	0.0081
angle:	110	120398.37	0.1133	0.2510	-0.2320	0.0005	-0.0005	0.0078
angle:	111	120402.88	0.1129	0.2506	-0.2324	0.0001	-0.0010	0.0075
angle:	112	120407.38	0.1139	0.2511	-0.2326	0.0011	-0.0005	0.0073
angle:	113	120411.88	0.1135	0.2506	-0.2325	0.0007	-0.0010	0.0073
angle:	114	120416.37	0.1131	0.2511	-0.2326	0.0003	-0.0004	0.0072
angle:	115	120420.85	0.1134	0.2511	-0.2329	0.0006	-0.0005	0.0070
angle:	116	120425.33	0.1138	0.2504	-0.2331	0.0010	-0.0012	0.0068
angle:	117	120429.79	0.1142	0.2510	-0.2336	0.0014	-0.0006	0.0063
angle:	118	120434.24	0.1147	0.2514	-0.2330	0.0019	-0.0002	0.0068
angle:	119	120438.67	0.1152	0.2512	-0.2327	0.0024	-0.0004	0.0072
angle:	120	120443.11	0.1148	0.2507	-0.2320	0.0020	-0.0009	0.0078
angle:	121	120668.22	0.1161	0.2505	-0.2442	0.0033	-0.0011	-0.0043
angle:	122	120672.75	0.1157	0.2504	-0.2440	0.0029	-0.0012	-0.0041
angle:	123	120677.28	0.1153	0.2500	-0.2443	0.0025	-0.0016	-0.0044
angle:	124	120681.79	0.1152	0.2503	-0.2441	0.0024	-0.0013	-0.0042
angle:	125	120686.29	0.1158	0.2498	-0.2440	0.0030	-0.0018	-0.0042
angle:	126	120690.80	0.1161	0.2502	-0.2438	0.0033	-0.0014	-0.0039
angle:	127	120695.30	0.1163	0.2496	-0.2436	0.0035	-0.0020	-0.0038
angle:	128	120699.81	0.1159	0.2498	-0.2434	0.0031	-0.0018	-0.0035
angle:	129	120704.34	0.1164	0.2499	-0.2433	0.0036	-0.0016	-0.0035
angle:	130	120708.88	0.1163	0.2499	-0.2440	0.0035	-0.0017	-0.0041
angle:	131	120713.40	0.1162	0.2498	-0.2438	0.0034	-0.0018	-0.0040
angle:	132	120717.91	0.1162	0.2498	-0.2438	0.0034	-0.0018	-0.0039
angle:	133	120722.40	0.1167	0.2495	-0.2434	0.0039	-0.0020	-0.0036
angle:	134	120726.88	0.1174	0.2494	-0.2424	0.0046	-0.0022	-0.0026
angle:	135	120731.36	0.1175	0.2493	-0.2430	0.0047	-0.0023	-0.0031
angle:	136	120735.84	0.1172	0.2501	-0.2431	0.0044	-0.0015	-0.0033
angle:	137	120740.31	0.1172	0.2495	-0.2434	0.0044	-0.0021	-0.0035
angle:	138	120744.79	0.1177	0.2500	-0.2432	0.0049	-0.0016	-0.0034
angle:	139	120749.26	0.1182	0.2496	-0.2432	0.0054	-0.0020	-0.0033
angle:	140	120753.73	0.1186	0.2489	-0.2424	0.0058	-0.0027	-0.0026
angle:	141	120758.19	0.1186	0.2495	-0.2423	0.0058	-0.0021	-0.0024
angle:	142	120762.66	0.1190	0.2487	-0.2421	0.0062	-0.0029	-0.0022
angle:	143	120767.13	0.1190	0.2491	-0.2421	0.0062	-0.0025	-0.0022
angle:	144	120771.60	0.1192	0.2490	-0.2416	0.0064	-0.0026	-0.0018

**Average Boresight Angles:**

Roll: 0.1128 deg  
Pitch: 0.2516 deg  
Yaw: -0.2399 deg  
**Boresight Angle RMS:**  
Roll: 0.0030 deg  
Pitch: 0.0014 deg  
Yaw: 0.0073 deg

\*\*\*\*\*

Success!!  
Boresight Calculation finished