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

Boresight Misalignment Calculations  
08/07/2025 13:47:33

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Project: PoL-Cal 2025 E-M3 IMU IIE  
Projectfile: C:\AEROofficeV51\PROYECTOS\13\_PROYECTOS\_EAGLE-M3\25\_0024\_POL-CAL\_TALAVERA\_MAY\_2025\_26CM

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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  
138 AT Data Sets imported

138 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:	70	35264.82	-0.011	0.012	0.000	-0.008	0.008	-0.029
position:	71	35271.47	0.029	0.010	-0.088	0.031	0.006	-0.117
position:	72	35278.14	0.010	-0.001	-0.009	0.013	-0.005	-0.038
position:	73	35284.79	0.033	-0.025	-0.050	0.036	-0.029	-0.079
position:	74	35291.43	0.003	-0.015	0.012	0.005	-0.019	-0.018
position:	75	35298.09	0.015	0.003	0.013	0.018	-0.001	-0.017
position:	76	35304.77	0.012	-0.024	0.013	0.014	-0.028	-0.017
position:	77	35311.47	0.022	0.015	0.079	0.025	0.011	0.050
position:	78	35318.16	0.006	0.004	-0.151	0.009	0.000	-0.180
position:	79	35324.85	0.010	0.011	0.053	0.013	0.007	0.023
position:	80	35331.53	0.021	-0.009	0.035	0.023	-0.013	0.006
position:	81	35338.19	0.013	-0.008	-0.090	0.015	-0.012	-0.120
position:	82	35344.86	0.021	0.000	0.015	0.023	-0.004	-0.015
position:	83	35351.57	0.033	-0.011	-0.072	0.036	-0.015	-0.102
position:	84	35358.32	-0.013	-0.005	-0.066	-0.011	-0.009	-0.095
position:	85	35365.07	0.021	0.019	0.009	0.023	0.015	-0.020
position:	86	35371.76	0.011	0.016	0.081	0.014	0.012	0.052
position:	87	35378.38	0.012	0.014	0.039	0.014	0.010	0.009
position:	88	35384.98	0.023	-0.012	0.069	0.025	-0.016	0.040
position:	89	35391.62	-0.030	0.026	0.073	-0.027	0.022	0.044
position:	90	35398.29	0.018	0.002	-0.042	0.021	-0.002	-0.071
position:	91	35404.97	-0.009	0.001	0.068	-0.007	-0.003	0.038
position:	92	35411.65	-0.003	-0.009	0.060	-0.001	-0.013	0.030
position:	93	35613.49	-0.029	-0.032	0.012	-0.027	-0.036	-0.017
position:	94	35621.80	-0.009	0.007	0.026	-0.006	0.003	-0.003
position:	95	35630.17	-0.021	-0.018	0.021	-0.019	-0.022	-0.008
position:	96	35638.51	-0.024	0.015	0.113	-0.022	0.011	0.083
position:	97	35646.77	-0.040	0.019	0.027	-0.038	0.015	-0.002
position:	98	35654.98	-0.005	-0.014	0.020	-0.002	-0.018	-0.010
position:	99	35663.20	-0.027	0.031	0.009	-0.025	0.027	-0.020
position:	100	35671.41	-0.038	-0.011	-0.003	-0.036	-0.015	-0.033
position:	101	35679.60	-0.020	-0.005	0.036	-0.017	-0.009	0.007
position:	102	35687.80	-0.012	-0.031	-0.008	-0.010	-0.035	-0.038
position:	103	35696.05	-0.060	-0.021	0.051	-0.058	-0.025	0.022
position:	104	35704.36	-0.042	-0.018	0.008	-0.039	-0.022	-0.021
position:	105	35712.68	-0.014	0.013	0.094	-0.011	0.009	0.065
position:	106	35720.91	-0.021	0.003	0.029	-0.018	-0.001	-0.001
position:	107	35729.12	-0.035	-0.015	0.004	-0.032	-0.019	-0.026
position:	108	35737.33	-0.029	0.013	-0.018	-0.026	0.009	-0.047
position:	109	35745.56	-0.026	0.004	-0.006	-0.023	0.000	-0.035
position:	110	35753.83	-0.031	-0.010	0.049	-0.029	-0.014	0.020
position:	111	35762.23	-0.002	0.021	0.015	0.001	0.017	-0.014

position:	112	35770.69	-0.046	0.010	0.074	-0.043	0.006	0.045
position:	113	35778.98	-0.038	-0.021	0.074	-0.036	-0.025	0.045
position:	114	35787.16	-0.029	0.000	0.125	-0.027	-0.004	0.095
position:	115	35795.30	-0.004	0.000	0.060	-0.002	-0.004	0.030
position:	116	35996.08	0.010	0.016	-0.069	0.012	0.012	-0.098
position:	117	36002.74	0.008	-0.021	-0.038	0.011	-0.025	-0.067
position:	118	36009.35	0.014	0.003	0.023	0.017	-0.001	-0.006
position:	119	36015.95	0.034	-0.007	-0.116	0.037	-0.011	-0.145
position:	120	36022.53	-0.004	0.010	-0.016	-0.002	0.006	-0.045
position:	121	36029.13	0.019	0.012	0.025	0.022	0.008	-0.005
position:	122	36035.74	0.038	-0.020	0.067	0.041	-0.024	0.038
position:	123	36042.36	0.020	-0.020	-0.050	0.023	-0.024	-0.079
position:	124	36049.03	0.040	-0.016	-0.063	0.042	-0.020	-0.092
position:	125	36055.72	0.032	0.024	-0.031	0.034	0.020	-0.060
position:	126	36062.43	0.014	0.020	-0.003	0.016	0.016	-0.032
position:	127	36069.14	0.014	0.008	-0.016	0.016	0.004	-0.046
position:	128	36075.82	0.008	-0.008	-0.110	0.010	-0.012	-0.139
position:	129	36082.48	0.025	0.013	-0.001	0.028	0.009	-0.030
position:	130	36089.15	-0.012	-0.011	0.015	-0.009	-0.015	-0.014
position:	131	36095.86	0.034	-0.011	0.117	0.037	-0.014	0.088
position:	132	36102.63	0.011	-0.027	0.008	0.013	-0.031	-0.021
position:	133	36109.42	0.016	0.009	-0.004	0.019	0.005	-0.033
position:	134	36116.17	0.009	0.011	0.043	0.012	0.007	0.013
position:	135	36122.87	0.002	0.003	0.002	0.005	-0.001	-0.027
position:	136	36129.56	-0.012	-0.026	0.041	-0.010	-0.030	0.011
position:	137	36136.30	0.000	-0.007	0.033	0.002	-0.011	0.003
position:	138	36143.04	0.002	-0.004	0.083	0.005	-0.008	0.054
position:	1	33966.17	0.011	0.030	-0.066	0.013	0.026	-0.096
position:	2	33973.37	0.003	0.014	-0.017	0.006	0.010	-0.047
position:	3	33980.56	-0.015	0.043	0.056	-0.013	0.039	0.027
position:	4	33987.77	-0.005	0.025	-0.001	-0.003	0.021	-0.030
position:	5	33994.96	-0.013	0.019	0.108	-0.010	0.015	0.078
position:	6	34002.16	-0.014	0.003	0.150	-0.012	-0.001	0.121
position:	7	34009.34	0.030	0.039	-0.028	0.032	0.035	-0.058
position:	8	34016.54	0.045	0.039	-0.068	0.048	0.035	-0.097
position:	9	34023.78	-0.001	0.029	0.105	0.002	0.025	0.076
position:	10	34031.00	-0.027	0.021	-0.007	-0.024	0.017	-0.036
position:	11	34038.13	-0.014	0.038	0.023	-0.012	0.034	-0.006
position:	12	34045.21	-0.009	0.022	0.102	-0.007	0.018	0.073
position:	13	34052.33	0.033	0.027	0.109	0.036	0.023	0.079
position:	14	34059.49	-0.007	0.073	0.166	-0.004	0.069	0.137
position:	15	34066.67	0.029	0.054	0.086	0.032	0.050	0.056
position:	16	34073.80	0.020	0.051	0.041	0.023	0.047	0.012
position:	17	34080.87	0.023	0.040	-0.012	0.026	0.036	-0.041
position:	18	34087.93	-0.046	0.038	0.081	-0.043	0.034	0.052
position:	19	34095.04	-0.001	0.012	-0.003	0.002	0.008	-0.032
position:	20	34102.21	0.011	0.042	0.099	0.013	0.038	0.070
position:	21	34109.34	0.004	0.023	-0.002	0.007	0.019	-0.031
position:	22	34116.44	-0.020	0.010	0.095	-0.017	0.006	0.066
position:	23	34123.53	-0.029	0.023	0.106	-0.027	0.019	0.076
position:	24	34346.02	-0.003	-0.019	0.017	-0.001	-0.023	-0.013
position:	25	34353.98	-0.036	-0.022	0.079	-0.034	-0.026	0.050
position:	26	34362.03	-0.009	-0.022	0.062	-0.007	-0.025	0.033
position:	27	34370.25	0.004	-0.020	-0.023	0.007	-0.024	-0.053
position:	28	34378.45	0.000	-0.019	0.019	0.002	-0.023	-0.011
position:	29	34386.62	0.001	-0.020	0.056	0.004	-0.024	0.027
position:	30	34394.72	-0.008	-0.008	0.030	-0.005	-0.012	0.000
position:	31	34402.78	-0.002	-0.010	0.009	0.000	-0.014	-0.020
position:	32	34410.82	0.011	-0.024	0.114	0.014	-0.028	0.085
position:	33	34418.77	-0.016	-0.021	0.102	-0.013	-0.025	0.073
position:	34	34426.66	-0.003	-0.011	0.047	-0.001	-0.015	0.018
position:	35	34434.64	-0.006	-0.001	0.093	-0.003	-0.005	0.063
position:	36	34442.69	-0.014	-0.042	0.013	-0.011	-0.046	-0.017
position:	37	34450.67	-0.005	-0.021	0.019	-0.003	-0.025	-0.011
position:	38	34458.52	0.001	-0.035	0.057	0.003	-0.039	0.028
position:	39	34466.30	-0.005	-0.016	0.049	-0.003	-0.020	0.020
position:	40	34474.06	0.021	-0.012	0.054	0.023	-0.016	0.025
position:	41	34481.78	0.030	0.005	0.105	0.033	0.001	0.075
position:	42	34489.55	-0.017	-0.036	0.134	-0.015	-0.040	0.104
position:	43	34497.33	-0.011	-0.015	0.045	-0.009	-0.019	0.015
position:	44	34505.08	0.023	-0.015	0.009	0.025	-0.019	-0.021
position:	45	34512.80	0.026	0.006	0.059	0.028	0.002	0.029
position:	46	34520.50	0.000	-0.018	0.042	0.003	-0.022	0.013
position:	47	34717.86	0.019	-0.008	0.026	0.022	-0.012	-0.003
position:	48	34725.31	-0.022	0.007	0.017	-0.019	0.003	-0.012
position:	49	34732.69	-0.006	-0.004	-0.011	-0.003	-0.008	-0.040
position:	50	34740.04	-0.017	0.008	-0.018	-0.015	0.004	-0.048
position:	51	34747.42	-0.003	0.014	-0.010	0.000	0.010	-0.040
position:	52	34754.81	-0.011	-0.004	0.065	-0.009	-0.008	0.036
position:	53	34762.14	0.012	0.008	0.100	0.015	0.004	0.071
position:	54	34769.45	0.027	0.027	0.124	0.029	0.023	0.094
position:	55	34776.74	-0.005	0.010	0.062	-0.002	0.006	0.032
position:	56	34784.02	-0.028	0.022	-0.013	-0.026	0.018	-0.042
position:	57	34791.26	-0.025	0.009	-0.042	-0.022	0.005	-0.071
position:	58	34798.47	-0.022	0.036	0.094	-0.019	0.032	0.064
position:	59	34805.66	-0.014	0.017	-0.048	-0.012	0.013	-0.077
position:	60	34812.87	-0.024	0.036	0.042	-0.021	0.032	0.012
position:	61	34820.05	-0.037	0.016	0.100	-0.034	0.012	0.071
position:	62	34827.21	-0.016	0.018	0.044	-0.013	0.014	0.014
position:	63	34834.32	-0.013	0.015	0.052	-0.011	0.011	0.023
position:	64	34841.40	-0.010	0.033	0.040	-0.008	0.029	0.011
position:	65	34848.43	-0.028	0.018	0.069	-0.026	0.014	0.040

position:	66	34855.52	-0.005	0.022	0.055	-0.002	0.018	0.025
position:	67	34862.66	-0.009	0.031	0.112	-0.006	0.027	0.083
position:	68	34869.86	-0.035	0.002	0.097	-0.032	-0.002	0.068
position:	69	34877.10	-0.030	-0.013	-0.022	-0.028	-0.017	-0.051

Average position offset:  
 East: -0.003 m  
 North: 0.004 m  
 Alt: 0.029 m  
 Position offset RMS:  
 East: 0.021 m  
 North: 0.021 m  
 Alt: 0.057 m

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Misalignment angles for the single events [deg]:

	number	time	roll	pitch	yaw	d roll	d pitch	d yaw
angle:	70	35264.82	0.1137	0.2485	-0.2499	-0.0002	-0.0015	-0.0067
angle:	71	35271.47	0.1137	0.2486	-0.2489	-0.0003	-0.0013	-0.0057
angle:	72	35278.14	0.1130	0.2486	-0.2489	-0.0009	-0.0013	-0.0056
angle:	73	35284.79	0.1134	0.2484	-0.2487	-0.0005	-0.0015	-0.0055
angle:	74	35291.43	0.1142	0.2486	-0.2478	0.0002	-0.0013	-0.0046
angle:	75	35298.09	0.1149	0.2487	-0.2474	0.0010	-0.0012	-0.0042
angle:	76	35304.77	0.1151	0.2483	-0.2468	0.0011	-0.0016	-0.0036
angle:	77	35311.47	0.1148	0.2482	-0.2466	0.0009	-0.0017	-0.0033
angle:	78	35318.16	0.1149	0.2487	-0.2468	0.0009	-0.0012	-0.0036
angle:	79	35324.85	0.1140	0.2485	-0.2466	0.0000	-0.0014	-0.0034
angle:	80	35331.53	0.1145	0.2484	-0.2472	0.0005	-0.0016	-0.0039
angle:	81	35338.19	0.1143	0.2483	-0.2467	0.0003	-0.0016	-0.0035
angle:	82	35344.86	0.1142	0.2487	-0.2463	0.0002	-0.0012	-0.0030
angle:	83	35351.57	0.1143	0.2482	-0.2460	0.0003	-0.0018	-0.0027
angle:	84	35358.32	0.1143	0.2485	-0.2467	0.0003	-0.0014	-0.0034
angle:	85	35365.07	0.1141	0.2476	-0.2466	0.0001	-0.0023	-0.0033
angle:	86	35371.76	0.1135	0.2471	-0.2460	-0.0005	-0.0028	-0.0028
angle:	87	35378.38	0.1141	0.2473	-0.2468	0.0002	-0.0026	-0.0035
angle:	88	35384.98	0.1138	0.2474	-0.2469	-0.0002	-0.0025	-0.0037
angle:	89	35391.62	0.1137	0.2480	-0.2473	-0.0003	-0.0019	-0.0041
angle:	90	35398.29	0.1143	0.2474	-0.2470	0.0003	-0.0025	-0.0038
angle:	91	35404.97	0.1138	0.2481	-0.2462	-0.0002	-0.0018	-0.0029
angle:	92	35411.65	0.1132	0.2474	-0.2459	-0.0008	-0.0025	-0.0026
angle:	93	35613.49	0.1139	0.2519	-0.2403	-0.0001	0.0020	0.0029
angle:	94	35621.80	0.1138	0.2520	-0.2402	-0.0002	0.0021	0.0031
angle:	95	35630.17	0.1138	0.2517	-0.2405	-0.0001	0.0018	0.0027
angle:	96	35638.51	0.1148	0.2512	-0.2409	0.0008	0.0013	0.0024
angle:	97	35646.77	0.1150	0.2517	-0.2407	0.0010	0.0017	0.0026
angle:	98	35654.98	0.1145	0.2527	-0.2401	0.0006	0.0028	0.0032
angle:	99	35663.20	0.1135	0.2529	-0.2399	-0.0004	0.0030	0.0033
angle:	100	35671.41	0.1126	0.2521	-0.2401	-0.0013	0.0022	0.0032
angle:	101	35679.60	0.1129	0.2518	-0.2403	-0.0011	0.0018	0.0029
angle:	102	35687.80	0.1137	0.2516	-0.2398	-0.0003	0.0016	0.0034
angle:	103	35696.05	0.1138	0.2508	-0.2393	-0.0002	0.0009	0.0039
angle:	104	35704.36	0.1129	0.2513	-0.2392	-0.0011	0.0013	0.0040
angle:	105	35712.68	0.1138	0.2512	-0.2392	-0.0002	0.0012	0.0040
angle:	106	35720.91	0.1142	0.2513	-0.2394	0.0002	0.0014	0.0038
angle:	107	35729.12	0.1133	0.2513	-0.2393	-0.0007	0.0013	0.0039
angle:	108	35737.33	0.1134	0.2512	-0.2390	-0.0005	0.0013	0.0042
angle:	109	35745.56	0.1134	0.2510	-0.2390	-0.0005	0.0011	0.0042
angle:	110	35753.83	0.1129	0.2511	-0.2394	-0.0010	0.0012	0.0038
angle:	111	35762.23	0.1133	0.2519	-0.2390	-0.0007	0.0020	0.0042
angle:	112	35770.69	0.1132	0.2507	-0.2390	-0.0007	0.0007	0.0042
angle:	113	35778.98	0.1129	0.2506	-0.2393	-0.0011	0.0006	0.0039
angle:	114	35787.16	0.1138	0.2506	-0.2396	-0.0002	0.0007	0.0037
angle:	115	35795.30	0.1143	0.2506	-0.2402	0.0004	0.0006	0.0030
angle:	116	35996.08	0.1132	0.2481	-0.2492	-0.0007	-0.0018	-0.0059
angle:	117	36002.74	0.1126	0.2482	-0.2487	-0.0014	-0.0018	-0.0055
angle:	118	36009.35	0.1132	0.2477	-0.2485	-0.0008	-0.0022	-0.0052
angle:	119	36015.95	0.1136	0.2478	-0.2479	-0.0004	-0.0021	-0.0046
angle:	120	36022.53	0.1138	0.2481	-0.2476	-0.0002	-0.0018	-0.0044
angle:	121	36029.13	0.1141	0.2480	-0.2470	0.0001	-0.0020	-0.0038
angle:	122	36035.74	0.1136	0.2481	-0.2468	-0.0004	-0.0018	-0.0036
angle:	123	36042.36	0.1144	0.2481	-0.2463	0.0005	-0.0018	-0.0031
angle:	124	36049.03	0.1142	0.2475	-0.2459	0.0002	-0.0024	-0.0026
angle:	125	36055.72	0.1145	0.2485	-0.2459	0.0005	-0.0014	-0.0026
angle:	126	36062.43	0.1139	0.2482	-0.2453	0.0000	-0.0017	-0.0021
angle:	127	36069.14	0.1141	0.2484	-0.2456	0.0001	-0.0016	-0.0023
angle:	128	36075.82	0.1144	0.2481	-0.2449	0.0004	-0.0018	-0.0016
angle:	129	36082.48	0.1140	0.2480	-0.2449	0.0000	-0.0019	-0.0017
angle:	130	36089.15	0.1139	0.2488	-0.2443	0.0000	-0.0011	-0.0011
angle:	131	36095.86	0.1140	0.2481	-0.2449	0.0000	-0.0018	-0.0016
angle:	132	36102.63	0.1139	0.2481	-0.2441	-0.0001	-0.0018	-0.0008
angle:	133	36109.42	0.1138	0.2479	-0.2438	-0.0002	-0.0020	-0.0006
angle:	134	36116.17	0.1131	0.2480	-0.2431	-0.0009	-0.0019	0.0001
angle:	135	36122.87	0.1125	0.2474	-0.2425	-0.0015	-0.0025	0.0007
angle:	136	36129.56	0.1130	0.2481	-0.2420	-0.0010	-0.0018	0.0012
angle:	137	36136.30	0.1128	0.2475	-0.2414	-0.0012	-0.0024	0.0018
angle:	138	36143.04	0.1134	0.2473	-0.2406	-0.0006	-0.0026	0.0027
angle:	1	33966.17	0.1119	0.2518	-0.2553	-0.0020	0.0018	-0.0121
angle:	2	33973.37	0.1120	0.2520	-0.2550	-0.0019	0.0020	-0.0118
angle:	3	33980.56	0.1125	0.2516	-0.2547	-0.0015	0.0016	-0.0114
angle:	4	33987.77	0.1125	0.2518	-0.2552	-0.0014	0.0019	-0.0120

angle:	5	33994.96	0.1126	0.2523	-0.2556	-0.0014	0.0024	-0.0124
angle:	6	34002.16	0.1132	0.2518	-0.2553	-0.0008	0.0019	-0.0120
angle:	7	34009.34	0.1132	0.2521	-0.2552	-0.0007	0.0022	-0.0119
angle:	8	34016.54	0.1136	0.2521	-0.2547	-0.0003	0.0022	-0.0115
angle:	9	34023.78	0.1137	0.2520	-0.2542	-0.0003	0.0020	-0.0109
angle:	10	34031.00	0.1134	0.2515	-0.2536	-0.0006	0.0016	-0.0104
angle:	11	34038.13	0.1137	0.2514	-0.2534	-0.0003	0.0015	-0.0102
angle:	12	34045.21	0.1134	0.2519	-0.2534	-0.0006	0.0020	-0.0101
angle:	13	34052.33	0.1139	0.2519	-0.2532	-0.0001	0.0019	-0.0100
angle:	14	34059.49	0.1133	0.2514	-0.2522	-0.0007	0.0015	-0.0089
angle:	15	34066.67	0.1140	0.2522	-0.2516	0.0000	0.0023	-0.0083
angle:	16	34073.80	0.1136	0.2518	-0.2512	-0.0004	0.0019	-0.0079
angle:	17	34080.87	0.1140	0.2519	-0.2508	0.0000	0.0019	-0.0075
angle:	18	34087.93	0.1138	0.2520	-0.2505	-0.0002	0.0021	-0.0072
angle:	19	34095.04	0.1142	0.2520	-0.2498	0.0002	0.0021	-0.0066
angle:	20	34102.21	0.1137	0.2513	-0.2491	-0.0003	0.0014	-0.0058
angle:	21	34109.34	0.1139	0.2507	-0.2486	-0.0001	0.0007	-0.0053
angle:	22	34116.44	0.1141	0.2506	-0.2480	0.0001	0.0007	-0.0048
angle:	23	34123.53	0.1142	0.2502	-0.2469	0.0002	0.0002	-0.0037
angle:	24	34346.02	0.1118	0.2521	-0.2367	-0.0022	0.0021	0.0065
angle:	25	34353.98	0.1120	0.2524	-0.2364	-0.0020	0.0025	0.0069
angle:	26	34362.03	0.1120	0.2526	-0.2361	-0.0020	0.0027	0.0072
angle:	27	34370.25	0.1121	0.2521	-0.2356	-0.0019	0.0021	0.0076
angle:	28	34378.45	0.1123	0.2514	-0.2354	-0.0017	0.0015	0.0078
angle:	29	34386.62	0.1123	0.2508	-0.2355	-0.0017	0.0009	0.0077
angle:	30	34394.72	0.1118	0.2508	-0.2359	-0.0022	0.0009	0.0074
angle:	31	34402.78	0.1128	0.2512	-0.2355	-0.0012	0.0013	0.0077
angle:	32	34410.82	0.1119	0.2506	-0.2355	-0.0020	0.0007	0.0078
angle:	33	34418.77	0.1119	0.2504	-0.2355	-0.0021	0.0005	0.0077
angle:	34	34426.66	0.1120	0.2508	-0.2353	-0.0020	0.0009	0.0079
angle:	35	34434.64	0.1119	0.2514	-0.2356	-0.0021	0.0014	0.0076
angle:	36	34442.69	0.1123	0.2509	-0.2347	-0.0016	0.0010	0.0085
angle:	37	34450.67	0.1126	0.2507	-0.2351	-0.0013	0.0007	0.0081
angle:	38	34458.52	0.1125	0.2502	-0.2356	-0.0015	0.0003	0.0077
angle:	39	34466.30	0.1129	0.2508	-0.2350	-0.0010	0.0009	0.0083
angle:	40	34474.06	0.1125	0.2504	-0.2350	-0.0015	0.0005	0.0082
angle:	41	34481.78	0.1129	0.2508	-0.2351	-0.0010	0.0009	0.0081
angle:	42	34489.55	0.1135	0.2508	-0.2351	-0.0005	0.0008	0.0081
angle:	43	34497.33	0.1137	0.2505	-0.2343	-0.0003	0.0006	0.0089
angle:	44	34505.08	0.1139	0.2507	-0.2338	-0.0001	0.0008	0.0094
angle:	45	34512.80	0.1144	0.2502	-0.2330	0.0004	0.0003	0.0103
angle:	46	34520.50	0.1151	0.2505	-0.2330	0.0011	0.0005	0.0102
angle:	47	34717.86	0.1147	0.2490	-0.2417	0.0007	-0.0009	0.0015
angle:	48	34725.31	0.1142	0.2490	-0.2423	0.0002	-0.0009	0.0009
angle:	49	34732.69	0.1147	0.2498	-0.2421	0.0007	-0.0001	0.0011
angle:	50	34740.04	0.1150	0.2496	-0.2424	0.0010	-0.0004	0.0009
angle:	51	34747.42	0.1151	0.2498	-0.2422	0.0011	-0.0001	0.0011
angle:	52	34754.81	0.1157	0.2494	-0.2419	0.0017	-0.0005	0.0014
angle:	53	34762.14	0.1165	0.2494	-0.2411	0.0025	-0.0005	0.0022
angle:	54	34769.45	0.1163	0.2489	-0.2400	0.0023	-0.0010	0.0032
angle:	55	34776.74	0.1165	0.2492	-0.2405	0.0026	-0.0008	0.0028
angle:	56	34784.02	0.1166	0.2490	-0.2400	0.0026	-0.0009	0.0032
angle:	57	34791.26	0.1171	0.2490	-0.2396	0.0031	-0.0009	0.0037
angle:	58	34798.47	0.1174	0.2490	-0.2394	0.0035	-0.0010	0.0039
angle:	59	34805.66	0.1173	0.2492	-0.2389	0.0033	-0.0007	0.0044
angle:	60	34812.87	0.1170	0.2490	-0.2390	0.0031	-0.0009	0.0043
angle:	61	34820.05	0.1175	0.2492	-0.2388	0.0035	-0.0007	0.0045
angle:	62	34827.21	0.1173	0.2494	-0.2387	0.0033	-0.0005	0.0045
angle:	63	34834.32	0.1173	0.2495	-0.2385	0.0033	-0.0004	0.0047
angle:	64	34841.40	0.1171	0.2491	-0.2383	0.0031	-0.0008	0.0050
angle:	65	34848.43	0.1166	0.2496	-0.2387	0.0026	-0.0003	0.0045
angle:	66	34855.52	0.1176	0.2498	-0.2374	0.0036	-0.0001	0.0058
angle:	67	34862.66	0.1168	0.2496	-0.2375	0.0029	-0.0003	0.0057
angle:	68	34869.86	0.1167	0.2493	-0.2367	0.0028	-0.0006	0.0065
angle:	69	34877.10	0.1169	0.2488	-0.2364	0.0029	-0.0011	0.0068

**Average Boresight Angles:**

Roll: 0.1140 deg  
Pitch: 0.2499 deg  
Yaw: -0.2432 deg  
**Boresight Angle RMS:**  
Roll: 0.0014 deg  
Pitch: 0.0016 deg  
Yaw: 0.0060 deg

\*\*\*\*\*

Success!!  
Boresight Calculation finished