
AEROoffice V5.6.0 2018-03-06
Copyright by IGI mbH, 1996-2018

Dongle-ID: 3-3541217

Boresight Misalignment Calculations
02/08/2023 18:00:00

Project: Pol-Cal2023 Eagle M3-Imu Iif GAL-E
Projectfile: C:\AEROofficeV51\PROYECTOS\03-PROYECTOS_EAGLE\

Used input data:

Platform Solution: C:\AEROofficeV51\PROYECTOS\03-PROYECTOS_EAGLE\Pol-Cal.aps
Event Mark File : C:\AEROofficeV51\PROYECTOS\03-PROYECTOS_EAGLE\Pol-Cal.aoom
AT Result File : C:\AEROofficeV51\PROYECTOS\03-PROYECTOS_EAGLE\EQ_xyzopk.txt
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: 29N
Meridian Convergence corrected

Loading INS Data
557 usable events found

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

455 events with matching eventnumbers found.

Postion offset for the single events [m]:

	number	time	east	north	alt	d east	d north	d alt
position:	39831	385944.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39832	385951.92	0.001	0.001	0.000	0.000	0.000	0.000
position:	39833	385959.71	0.001	0.001	0.000	0.000	0.000	0.000
position:	39834	385967.71	0.001	0.001	0.000	0.000	0.000	0.000
position:	39835	385975.02	0.001	0.001	0.000	0.000	0.000	0.000
position:	39836	385982.18	0.001	0.001	0.000	0.000	0.000	0.000
position:	39837	385989.36	0.001	0.001	0.000	0.000	0.000	0.000
position:	39838	385996.81	0.001	0.001	0.000	0.000	0.000	0.000
position:	39839	386004.88	0.001	0.001	0.000	0.000	0.000	0.001
position:	39840	386013.09	0.001	0.001	0.000	0.000	0.000	0.000
position:	39841	386021.41	0.001	0.001	0.000	0.000	0.000	0.000
position:	39842	386029.75	0.001	0.001	0.000	0.000	0.000	0.000
position:	39843	386037.90	0.001	0.001	0.000	0.000	0.000	0.000
position:	39844	386046.00	0.001	0.001	0.000	0.000	0.000	0.000
position:	39845	386053.96	0.001	0.001	0.000	0.000	0.000	0.000
position:	39846	386061.88	0.001	0.001	0.000	0.000	0.000	0.000
position:	39847	386069.65	0.001	0.001	0.000	0.000	0.000	0.000
position:	39848	386077.17	0.001	0.001	0.000	0.000	0.000	0.000
position:	39849	386084.69	0.001	0.001	0.000	0.000	0.000	0.000
position:	39850	386091.91	0.001	0.001	0.000	0.000	0.000	0.000
position:	39851	386099.01	0.001	0.001	0.000	0.000	0.000	0.000
position:	39852	386106.08	0.001	0.001	0.000	0.000	0.000	0.000
position:	39853	386113.20	0.001	0.001	0.000	0.000	0.000	0.000
position:	39854	386120.31	0.001	0.001	0.000	0.000	0.000	0.000
position:	39855	386127.47	0.001	0.001	0.000	0.000	0.000	0.000
position:	39856	386134.56	0.001	0.001	0.000	0.000	0.000	0.000
position:	39857	386141.62	0.001	0.001	0.000	0.000	0.000	0.000
position:	39858	386148.73	0.001	0.001	0.000	0.000	0.000	0.000
position:	39859	386155.96	0.001	0.001	0.000	0.000	0.000	0.000
position:	39860	386163.20	0.001	0.001	0.000	0.000	0.000	0.000
position:	39861	386170.47	0.001	0.001	0.000	0.000	0.000	0.000
position:	39862	386177.57	0.001	0.001	0.000	0.000	0.000	0.000
position:	39863	386184.49	0.001	0.001	0.000	0.000	0.000	0.000
position:	39864	386191.44	0.001	0.001	0.000	0.000	0.000	0.000
position:	39865	386198.34	0.001	0.001	0.000	0.000	0.000	0.000
position:	39866	386205.26	0.001	0.001	0.000	0.000	0.000	0.000
position:	39867	386212.21	0.001	0.001	0.000	0.000	0.000	0.000
position:	39868	386219.30	0.001	0.001	0.000	0.000	0.000	0.000
position:	39869	386226.23	0.001	0.001	0.000	0.000	0.000	0.000
position:	39870	386233.15	0.001	0.001	0.000	0.000	0.000	0.000
position:	39871	386240.13	0.001	0.001	0.000	0.000	0.000	0.000

position:	39872	386247.16	0.001	0.001	0.000	0.000	0.000	0.000
position:	39873	386253.84	0.001	0.001	0.000	0.000	0.000	0.000
position:	39874	386260.41	0.001	0.001	0.000	0.000	0.000	0.000
position:	39875	386266.98	0.001	0.001	0.000	0.000	0.000	0.000
position:	39876	386273.53	0.001	0.001	0.000	0.000	0.000	0.000
position:	39877	386280.18	0.001	0.001	0.000	0.000	0.000	0.000
position:	39878	386286.99	0.001	0.001	0.000	0.000	0.000	0.000
position:	39879	386294.03	0.001	0.001	0.000	0.000	0.000	0.000
position:	39880	386301.22	0.001	0.001	0.000	0.000	0.000	0.000
position:	39881	386308.87	0.001	0.001	0.000	0.000	0.000	0.000
position:	39882	386316.63	0.001	0.001	0.000	0.000	0.000	0.000
position:	39883	386324.36	0.001	0.001	0.000	0.000	0.000	0.000
position:	39884	386332.13	0.001	0.001	0.000	0.000	0.000	0.000
position:	39885	386339.98	0.001	0.001	0.000	0.000	0.000	0.000
position:	39886	386347.94	0.001	0.001	0.000	0.000	0.000	0.000
position:	39887	386355.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39888	386364.04	0.001	0.001	0.000	0.000	0.000	0.000
position:	39889	386372.10	0.001	0.001	0.000	0.000	0.000	0.000
position:	39890	386380.17	0.001	0.001	0.000	0.000	0.000	0.000
position:	39891	386388.23	0.001	0.001	0.000	0.000	0.000	0.000
position:	39892	386396.29	0.001	0.001	0.000	0.000	0.000	0.000
position:	39893	386404.46	0.001	0.001	0.000	0.000	0.000	0.000
position:	39894	386412.61	0.001	0.001	0.000	0.000	0.000	0.000
position:	39895	386420.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39896	386429.30	0.001	0.001	0.000	0.000	0.000	0.000
position:	39897	386437.77	0.001	0.001	0.000	0.000	0.000	0.000
position:	39898	386445.95	0.001	0.001	0.000	0.000	0.000	0.000
position:	39899	386453.87	0.001	0.001	0.000	0.000	0.000	0.000
position:	39900	386461.83	0.001	0.001	0.000	0.000	0.000	0.000
position:	39901	386469.90	0.001	0.001	0.000	0.000	0.000	0.000
position:	39902	386477.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39903	386485.98	0.001	0.001	0.000	0.000	0.000	0.000
position:	39904	386493.90	0.001	0.001	0.000	0.000	0.000	0.000
position:	39905	386501.47	0.001	0.001	0.000	0.000	0.000	0.000
position:	39906	386509.04	0.001	0.001	0.000	0.000	0.000	0.000
position:	39907	386516.56	0.001	0.001	0.000	0.000	0.000	0.000
position:	39908	386523.90	0.001	0.001	0.000	0.000	0.000	0.000
position:	39909	386531.23	0.001	0.001	0.000	0.000	0.000	0.001
position:	39910	386538.62	0.001	0.001	0.000	0.000	0.000	0.000
position:	39911	386546.15	0.001	0.001	0.000	0.000	0.000	0.000
position:	39912	386553.67	0.001	0.001	0.000	0.000	0.000	0.000
position:	39913	386561.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39914	386568.85	0.001	0.001	0.000	0.000	0.000	0.000
position:	39915	386576.36	0.001	0.001	0.000	0.000	0.000	0.000
position:	39916	386583.89	0.001	0.001	0.000	0.000	0.000	0.000
position:	39917	386591.59	0.001	0.001	0.000	0.000	0.000	0.000
position:	39918	386599.26	0.001	0.001	0.000	0.000	0.000	0.000
position:	39919	386606.82	0.001	0.001	0.000	0.000	0.000	0.000
position:	39920	386614.35	0.001	0.001	0.000	0.000	0.000	0.000
position:	39921	386621.95	0.001	0.001	0.000	0.000	0.000	0.000
position:	39738	384899.38	0.001	0.001	0.000	0.000	0.000	0.000
position:	39739	384909.23	0.001	0.001	0.000	0.000	0.000	0.000
position:	39740	384918.98	0.001	0.001	0.000	0.000	0.000	0.000
position:	39741	384928.71	0.001	0.001	0.000	0.000	0.000	0.000
position:	39742	384938.44	0.001	0.001	0.000	0.000	0.000	0.000
position:	39743	384948.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39744	384957.94	0.001	0.001	0.000	0.000	0.000	0.000
position:	39745	384967.64	0.001	0.001	0.000	0.000	0.000	0.000
position:	39746	384977.35	0.001	0.001	0.000	0.000	0.000	0.000
position:	39747	384987.11	0.001	0.001	0.000	0.000	0.000	0.000
position:	39748	384996.85	0.001	0.001	0.000	0.000	0.000	0.000
position:	39749	385006.61	0.001	0.001	0.000	0.000	0.000	0.000
position:	39750	385016.19	0.001	0.001	0.000	-0.001	0.000	0.000
position:	39751	385025.51	0.001	0.001	0.000	0.000	0.000	0.000
position:	39752	385034.74	0.001	0.001	0.000	0.000	0.000	0.000
position:	39753	385044.03	0.001	0.001	0.000	0.000	0.000	0.000
position:	39754	385053.54	0.001	0.001	0.000	0.000	0.000	0.000
position:	39755	385063.12	0.001	0.001	0.000	0.000	-0.001	0.000
position:	39756	385072.86	0.001	0.001	0.000	0.000	0.000	0.000
position:	39757	385082.84	0.001	0.001	0.000	0.000	0.000	0.000
position:	39758	385092.99	0.001	0.001	0.000	0.000	0.000	0.000
position:	39759	385102.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39760	385113.00	0.001	0.001	0.000	0.000	0.000	0.000
position:	39761	385123.08	0.001	0.001	0.000	0.000	0.000	0.000
position:	39762	385133.15	0.001	0.001	0.000	0.000	0.000	0.001
position:	39763	385143.59	0.001	0.001	0.000	0.000	0.000	0.000
position:	39764	385154.42	0.001	0.001	0.000	0.000	0.000	0.000
position:	39765	385165.28	0.001	0.001	0.000	0.000	0.000	0.000
position:	39766	385175.71	0.001	0.001	0.000	0.000	0.000	0.000
position:	39767	385185.92	0.001	0.001	0.000	0.000	0.000	0.000
position:	39768	385195.84	0.001	0.001	0.000	0.000	0.000	0.000
position:	39769	385205.66	0.001	0.001	0.000	0.000	0.000	0.000
position:	39770	385215.48	0.001	0.001	0.000	0.000	0.000	0.000
position:	39771	385225.37	0.001	0.001	0.000	0.000	0.000	0.000
position:	39772	385235.32	0.001	0.001	0.000	0.000	0.000	0.000
position:	39773	385245.11	0.001	0.001	0.000	0.000	0.000	0.000
position:	39774	385254.92	0.001	0.001	0.000	0.000	0.000	0.000
position:	39775	385264.71	0.001	0.001	0.000	0.000	0.000	0.000
position:	39776	385274.56	0.001	0.001	0.000	0.000	0.000	0.000
position:	39777	385284.42	0.001	0.001	0.000	0.000	0.000	0.000
position:	39778	385294.41	0.001	0.001	0.000	0.000	0.000	0.000
position:	39779	385304.38	0.001	0.001	0.000	0.000	0.000	0.000

position:	39780	385314.30	0.001	0.001	0.000	0.000	0.000	0.000
position:	39781	385323.93	0.001	0.001	0.000	0.000	0.000	0.000
position:	39782	385332.98	0.001	0.001	0.000	0.000	0.000	0.000
position:	39783	385341.55	0.001	0.001	0.000	0.000	0.000	0.000
position:	39784	385349.96	0.001	0.001	0.000	0.000	0.000	0.000
position:	39785	385358.12	0.001	0.001	0.000	0.000	0.000	0.000
position:	39786	385366.26	0.001	0.001	0.000	0.000	0.000	0.000
position:	39787	385374.41	0.001	0.001	0.000	0.000	0.000	0.000
position:	39788	385383.04	0.001	0.001	0.000	0.000	0.000	0.000
position:	39789	385391.89	0.001	0.001	0.000	0.000	0.000	0.000
position:	39790	385400.70	0.001	0.001	0.000	0.000	-0.001	0.000
position:	39791	385409.49	0.001	0.001	0.000	0.000	0.000	0.000
position:	39792	385418.27	0.001	0.001	0.000	0.000	0.000	0.000
position:	39793	385427.05	0.001	0.001	0.000	0.000	0.000	0.000
position:	39794	385435.75	0.001	0.001	0.000	0.000	0.000	0.000
position:	39795	385444.20	0.001	0.001	0.000	0.000	0.000	0.000
position:	39796	385452.57	0.001	0.001	0.000	0.000	0.000	0.000
position:	39797	385460.96	0.001	0.001	0.000	0.000	0.000	0.000
position:	39798	385469.39	0.001	0.001	0.000	0.000	0.000	0.000
position:	39799	385478.12	0.001	0.001	0.000	0.000	0.000	0.000
position:	39800	385487.01	0.001	0.001	0.000	0.000	0.000	0.000
position:	39801	385495.76	0.001	0.001	0.000	0.000	0.000	0.000
position:	39802	385504.43	0.001	0.001	0.000	0.000	0.000	0.000
position:	39803	385512.93	0.001	0.001	0.000	0.000	0.000	0.000
position:	39804	385521.44	0.001	0.001	0.000	0.000	0.000	0.000
position:	39805	385529.90	0.001	0.001	0.000	0.000	0.000	0.000
position:	39806	385538.49	0.001	0.001	0.000	0.000	0.000	0.000
position:	39807	385547.13	0.001	0.001	0.000	0.000	0.000	0.000
position:	39808	385555.77	0.001	0.001	0.000	0.000	0.000	0.000
position:	39809	385564.27	0.001	0.001	0.000	0.000	0.000	0.000
position:	39810	385572.79	0.001	0.001	0.000	0.000	0.000	0.000
position:	39811	385581.28	0.001	0.001	0.000	0.000	0.000	0.000
position:	39812	385590.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39813	385599.46	0.001	0.001	0.000	0.000	0.000	0.000
position:	39814	385608.79	0.001	0.001	0.000	0.000	0.000	0.000
position:	39815	385618.50	0.001	0.001	0.000	0.000	0.000	0.000
position:	39816	385628.01	0.001	0.001	0.000	0.000	0.000	0.000
position:	39817	385637.58	0.001	0.001	0.000	-0.001	0.000	0.000
position:	39818	385647.12	0.001	0.001	0.000	0.000	0.000	0.000
position:	39819	385657.26	0.001	0.001	0.000	0.000	0.000	0.000
position:	39820	385667.59	0.001	0.001	0.000	0.000	0.000	0.000
position:	39821	385677.69	0.001	0.001	0.000	0.000	0.000	0.000
position:	39822	385687.50	0.001	0.001	0.000	0.000	0.000	0.000
position:	39823	385697.31	0.001	0.001	0.000	0.000	0.000	0.000
position:	39824	385707.22	0.001	0.001	0.000	-0.001	0.000	0.000
position:	39825	385717.21	0.001	0.001	0.000	0.000	0.000	0.000
position:	39826	385727.15	0.001	0.001	0.000	0.000	0.000	0.000
position:	39827	385737.35	0.001	0.001	0.000	0.000	0.000	0.000
position:	39828	385747.72	0.001	0.001	0.000	0.000	0.000	0.000
position:	39829	385757.81	0.001	0.001	0.000	0.000	0.000	0.000
position:	39830	385767.80	0.001	0.001	0.000	0.000	0.000	0.000
position:	39645	384012.42	0.001	0.001	0.000	0.000	0.000	0.000
position:	39646	384020.47	0.001	0.001	0.000	0.000	0.000	0.000
position:	39647	384028.45	0.001	0.001	0.000	0.000	0.000	0.000
position:	39648	384035.96	0.001	0.001	0.000	0.000	0.000	0.000
position:	39649	384043.48	0.001	0.001	0.000	0.000	0.000	0.000
position:	39650	384050.99	0.001	0.001	0.000	0.000	0.000	0.000
position:	39651	384058.75	0.001	0.001	0.000	0.000	0.000	0.000
position:	39652	384066.16	0.001	0.001	0.000	0.000	0.000	0.000
position:	39653	384073.47	0.001	0.001	0.000	0.000	0.000	0.000
position:	39654	384080.73	0.001	0.001	0.000	0.000	0.000	0.000
position:	39655	384088.34	0.001	0.001	0.000	0.000	0.000	0.000
position:	39656	384096.19	0.001	0.001	0.000	0.000	0.000	0.000
position:	39657	384103.75	0.001	0.001	0.000	0.000	0.000	0.000
position:	39658	384111.01	0.001	0.001	0.000	0.000	0.000	0.000
position:	39659	384118.03	0.001	0.001	0.000	0.000	0.000	0.000
position:	39660	384124.82	0.001	0.001	0.000	0.000	0.000	0.000
position:	39661	384131.67	0.001	0.001	0.000	0.000	0.000	0.000
position:	39662	384138.59	0.001	0.001	0.000	0.000	0.000	0.000
position:	39663	384145.58	0.001	0.001	0.000	0.000	0.000	0.000
position:	39664	384152.42	0.001	0.001	0.000	0.000	0.000	0.000
position:	39665	384159.19	0.001	0.001	0.000	0.000	0.000	0.000
position:	39666	384165.89	0.001	0.001	0.000	0.000	0.000	0.000
position:	39667	384172.59	0.001	0.001	0.000	0.000	0.000	0.000
position:	39668	384179.29	0.001	0.001	0.000	0.000	0.000	0.000
position:	39669	384186.20	0.001	0.001	0.000	0.000	0.000	0.000
position:	39670	384193.09	0.001	0.001	0.000	0.000	0.000	0.000
position:	39671	384199.89	0.001	0.001	0.000	0.000	0.000	0.000
position:	39672	384206.63	0.001	0.001	0.000	0.000	0.000	0.000
position:	39673	384213.39	0.001	0.001	0.000	0.000	0.000	0.000
position:	39674	384220.13	0.001	0.001	0.000	-0.001	0.000	0.000
position:	39675	384226.89	0.001	0.001	0.000	0.000	0.000	0.000
position:	39676	384233.64	0.001	0.001	0.000	0.000	0.000	0.000
position:	39677	384240.39	0.001	0.001	0.000	0.000	0.000	0.000
position:	39678	384247.14	0.001	0.001	0.000	0.000	0.000	0.000
position:	39679	384253.79	0.001	0.001	0.000	0.000	0.000	0.000
position:	39680	384260.43	0.001	0.001	0.000	0.000	0.000	0.000
position:	39681	384267.16	0.001	0.001	0.000	0.000	0.000	0.000
position:	39682	384273.93	0.001	0.001	0.000	0.000	0.000	0.000
position:	39683	384280.87	0.001	0.001	0.000	0.000	0.000	0.000
position:	39684	384287.82	0.001	0.001	0.000	0.000	0.000	0.000
position:	39685	384294.78	0.001	0.001	0.000	0.000	0.000	0.000

position:	39686	384301.94	0.001	0.001	0.000	0.000	0.000	0.000
position:	39687	384309.05	0.001	0.001	0.000	0.000	0.000	0.000
position:	39688	384316.06	0.001	0.001	0.000	-0.001	0.000	0.000
position:	39689	384322.87	0.001	0.001	0.000	0.000	0.000	0.000
position:	39690	384329.46	0.001	0.001	0.000	0.000	0.000	0.000
position:	39691	384336.04	0.001	0.001	0.000	0.000	0.000	0.000
position:	39692	384342.95	0.001	0.001	0.000	0.000	0.000	0.000
position:	39693	384350.31	0.001	0.001	0.000	0.000	0.000	0.000
position:	39694	384357.86	0.001	0.001	0.000	0.000	-0.001	0.000
position:	39695	384365.51	0.001	0.001	0.000	0.000	0.000	0.000
position:	39696	384373.20	0.001	0.001	0.000	0.000	0.000	0.000
position:	39697	384380.90	0.001	0.001	0.000	0.000	0.000	0.000
position:	39698	384388.63	0.001	0.001	0.000	0.000	0.000	0.000
position:	39699	384396.38	0.001	0.001	0.000	0.000	0.000	0.000
position:	39700	384404.12	0.001	0.001	0.000	0.000	0.000	0.000
position:	39701	384411.80	0.001	0.001	0.000	0.000	0.000	0.000
position:	39702	384419.42	0.001	0.001	0.000	0.000	0.000	0.000
position:	39703	384427.06	0.001	0.001	0.000	0.000	0.000	0.000
position:	39704	384434.73	0.001	0.001	0.000	-0.001	0.000	0.000
position:	39705	384442.44	0.001	0.001	0.000	0.000	0.000	0.000
position:	39706	384450.17	0.001	0.001	0.000	0.000	0.000	0.000
position:	39707	384457.91	0.001	0.001	0.000	0.000	0.000	0.000
position:	39708	384465.73	0.001	0.001	0.000	0.000	0.000	0.000
position:	39709	384473.77	0.001	0.001	0.000	0.000	0.000	0.000
position:	39710	384481.88	0.001	0.001	0.000	0.000	0.000	0.000
position:	39711	384490.42	0.001	0.001	0.000	0.000	0.000	0.000
position:	39712	384499.00	0.001	0.001	0.000	0.000	0.000	0.000
position:	39713	384507.44	0.001	0.001	0.000	0.000	0.000	0.000
position:	39714	384515.59	0.001	0.001	0.000	0.000	0.000	0.000
position:	39715	384523.72	0.001	0.001	0.000	0.000	0.000	0.000
position:	39716	384531.70	0.001	0.001	0.000	0.000	0.000	0.000
position:	39717	384539.72	0.001	0.001	0.000	0.000	0.000	0.000
position:	39718	384547.64	0.001	0.001	0.000	0.000	0.000	0.000
position:	39719	384555.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39720	384562.54	0.001	0.001	0.000	0.000	-0.001	0.000
position:	39721	384569.85	0.001	0.001	0.000	0.000	0.000	0.000
position:	39722	384577.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39723	384584.76	0.001	0.001	0.000	0.000	0.000	0.000
position:	39724	384592.28	0.001	0.001	0.000	0.000	0.000	0.000
position:	39725	384599.89	0.001	0.001	0.000	0.000	0.000	0.000
position:	39726	384607.65	0.001	0.001	0.000	0.000	0.000	0.000
position:	39727	384615.44	0.001	0.001	0.000	0.000	0.000	0.000
position:	39728	384623.22	0.001	0.001	0.000	0.000	0.000	0.000
position:	39729	384631.02	0.001	0.001	0.000	0.000	0.000	0.000
position:	39730	384638.90	0.001	0.001	0.000	0.000	0.000	0.001
position:	39731	384646.91	0.001	0.001	0.000	0.000	0.000	0.000
position:	39732	384654.83	0.001	0.001	0.000	0.000	0.000	0.000
position:	39733	384662.55	0.001	0.001	0.000	0.000	0.000	0.000
position:	39734	384670.28	0.001	0.001	0.000	0.000	0.000	0.000
position:	39735	384677.99	0.001	0.001	0.000	0.000	0.000	0.000
position:	39736	384685.75	0.001	0.001	0.000	0.000	0.000	0.000
position:	39737	384693.60	0.001	0.001	0.000	0.000	0.000	0.000
position:	39559	383033.77	0.001	0.001	0.000	0.000	0.000	0.000
position:	39560	383043.77	0.001	0.001	0.000	0.000	0.000	0.000
position:	39561	383053.79	0.001	0.001	0.000	0.000	0.000	0.000
position:	39562	383063.95	0.001	0.001	0.000	0.000	0.000	0.000
position:	39563	383074.09	0.001	0.001	0.000	0.000	0.000	0.000
position:	39564	383084.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39565	383094.37	0.001	0.001	0.000	0.000	0.000	0.000
position:	39566	383104.38	0.001	0.001	0.000	0.000	0.000	0.000
position:	39567	383114.18	0.001	0.001	0.000	0.000	-0.001	0.000
position:	39568	383123.87	0.001	0.001	0.000	0.000	0.000	0.000
position:	39569	383133.55	0.001	0.001	0.000	0.000	0.000	0.000
position:	39570	383143.15	0.001	0.001	0.000	0.000	0.000	0.000
position:	39571	383152.68	0.001	0.001	0.000	0.000	0.000	0.000
position:	39572	383162.00	0.001	0.001	0.000	0.000	0.000	0.000
position:	39573	383171.39	0.001	0.001	0.000	0.000	0.000	0.000
position:	39574	383180.83	0.001	0.001	0.000	0.000	0.000	0.000
position:	39575	383190.72	0.001	0.001	0.000	0.000	0.000	0.000
position:	39576	383200.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39577	383211.47	0.001	0.001	0.000	0.000	0.000	0.000
position:	39578	383221.98	0.001	0.001	0.000	0.000	0.000	0.000
position:	39579	383232.60	0.001	0.001	0.000	0.000	0.000	0.000
position:	39580	383243.34	0.001	0.001	0.000	0.000	0.000	0.000
position:	39581	383254.21	0.001	0.001	0.000	0.000	0.000	0.000
position:	39582	383264.99	0.001	0.001	0.000	0.000	0.000	0.000
position:	39583	383275.79	0.001	0.001	0.000	0.000	0.000	0.000
position:	39584	383286.45	0.001	0.001	0.000	0.000	0.000	0.000
position:	39585	383296.66	0.001	0.001	0.000	0.000	0.000	0.000
position:	39586	383306.69	0.001	0.001	0.000	0.000	0.000	0.000
position:	39587	383316.67	0.001	0.001	0.000	0.000	0.000	0.000
position:	39588	383326.51	0.001	0.001	0.000	0.000	0.000	0.000
position:	39589	383336.31	0.001	0.001	0.000	0.000	0.000	0.000
position:	39590	383346.11	0.001	0.001	0.000	0.000	0.000	0.000
position:	39591	383355.94	0.001	0.001	0.000	0.000	0.000	0.000
position:	39592	383365.75	0.001	0.001	0.000	0.000	0.000	0.000
position:	39593	383375.63	0.001	0.001	0.000	0.000	0.000	0.000
position:	39594	383385.28	0.001	0.001	0.000	0.000	0.000	0.000
position:	39595	383394.91	0.001	0.001	0.000	0.000	0.000	0.000
position:	39596	383404.52	0.001	0.001	0.000	0.000	0.000	0.000
position:	39597	383414.10	0.001	0.001	0.000	0.000	0.000	0.000
position:	39598	383423.54	0.001	0.001	0.000	0.000	0.000	0.000

position:	39599	383432.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39600	383442.42	0.001	0.001	0.000	0.000	0.000	0.000
position:	39601	383451.61	0.001	0.001	0.000	0.000	0.000	0.000
position:	39602	383460.81	0.001	0.001	0.000	0.000	0.000	0.000
position:	39603	383469.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39604	383479.07	0.001	0.001	0.000	0.000	0.000	0.000
position:	39605	383488.13	0.001	0.001	0.000	0.000	0.000	0.000
position:	39606	383497.28	0.001	0.001	0.000	0.000	0.000	0.000
position:	39607	383506.54	0.001	0.001	0.000	0.000	0.000	0.000
position:	39608	383515.80	0.001	0.001	0.000	0.000	0.000	0.000
position:	39609	383524.90	0.001	0.001	0.000	0.000	0.000	0.000
position:	39610	383533.95	0.001	0.001	0.000	0.000	0.000	0.000
position:	39611	383543.00	0.001	0.001	0.000	0.000	0.000	0.000
position:	39612	383552.12	0.001	0.001	0.000	0.000	0.000	0.000
position:	39613	383561.09	0.001	0.001	0.000	0.000	0.000	0.000
position:	39614	383570.07	0.001	0.001	0.000	0.000	0.000	0.000
position:	39615	383578.71	0.001	0.001	0.000	0.000	0.000	0.000
position:	39616	383587.37	0.001	0.001	0.000	0.000	0.000	0.000
position:	39617	383596.05	0.001	0.001	0.000	0.000	0.000	0.000
position:	39618	383604.72	0.001	0.001	0.000	0.000	0.000	0.000
position:	39619	383613.40	0.001	0.001	0.000	0.000	0.000	0.000
position:	39620	383622.22	0.001	0.001	0.000	0.000	0.000	0.000
position:	39621	383631.18	0.001	0.001	0.000	0.000	0.000	0.000
position:	39622	383640.29	0.001	0.001	0.000	0.000	0.000	0.000
position:	39623	383649.35	0.001	0.001	0.000	0.000	0.000	0.000
position:	39624	383658.35	0.001	0.001	0.000	0.000	0.000	0.000
position:	39625	383667.23	0.001	0.001	0.000	0.000	0.000	0.000
position:	39626	383675.91	0.001	0.001	0.000	0.000	0.000	0.000
position:	39627	383684.50	0.001	0.001	0.000	0.000	0.000	0.000
position:	39628	383693.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39629	383701.68	0.001	0.001	0.000	0.000	0.000	0.000
position:	39630	383709.93	0.001	0.001	0.000	0.000	0.000	0.000
position:	39631	383718.14	0.001	0.001	0.000	0.000	0.000	0.000
position:	39632	383726.47	0.001	0.001	0.000	0.000	0.000	0.000
position:	39633	383734.95	0.001	0.001	0.000	0.000	0.000	0.000
position:	39634	383743.81	0.001	0.001	0.000	0.000	0.000	0.000
position:	39635	383752.99	0.001	0.001	0.000	0.000	0.000	0.000
position:	39636	383762.23	0.001	0.001	0.000	0.000	0.000	0.000
position:	39637	383771.64	0.001	0.001	0.000	0.000	0.000	0.000
position:	39638	383781.23	0.001	0.001	0.000	0.000	0.000	0.000
position:	39639	383790.57	0.001	0.001	0.000	0.000	0.000	0.000
position:	39640	383799.83	0.001	0.001	0.000	-0.001	0.000	0.000
position:	39641	383808.93	0.001	0.001	0.000	0.000	0.000	0.000
position:	39642	383818.04	0.001	0.001	0.000	0.000	0.000	0.000
position:	39643	383827.08	0.001	0.001	0.000	0.000	0.000	0.000
position:	39644	383836.05	0.001	0.001	0.000	0.000	0.000	0.000
position:	39486	382243.13	0.001	0.001	0.000	0.000	0.000	0.000
position:	39487	382249.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39488	382256.77	0.001	0.001	0.000	0.000	0.000	0.001
position:	39489	382263.82	0.001	0.001	0.000	0.000	0.000	0.000
position:	39490	382270.98	0.001	0.001	0.000	0.000	0.000	0.000
position:	39491	382278.23	0.001	0.001	0.000	0.000	0.000	0.000
position:	39492	382285.66	0.001	0.001	0.000	0.000	0.000	0.000
position:	39493	382292.88	0.001	0.001	0.000	0.000	0.000	0.000
position:	39494	382299.93	0.001	0.001	0.000	0.000	0.000	0.000
position:	39495	382306.82	0.001	0.001	0.000	0.000	0.000	0.000
position:	39496	382313.55	0.001	0.001	0.000	0.000	0.000	0.000
position:	39497	382320.16	0.001	0.001	0.000	0.000	0.000	0.000
position:	39498	382326.82	0.001	0.001	0.000	0.000	0.000	0.000
position:	39499	382333.35	0.001	0.001	0.000	0.000	0.000	0.000
position:	39500	382339.86	0.001	0.001	0.000	0.000	0.000	0.000
position:	39501	382346.39	0.001	0.001	0.000	0.000	0.000	0.000
position:	39502	382353.09	0.001	0.001	0.000	0.000	0.000	0.000
position:	39503	382359.84	0.001	0.001	0.000	0.000	0.000	0.000
position:	39504	382366.68	0.001	0.001	0.000	0.000	0.000	0.000
position:	39505	382373.67	0.001	0.001	0.000	0.000	0.000	0.000
position:	39506	382380.88	0.001	0.001	0.000	0.000	0.000	0.000
position:	39507	382388.17	0.001	0.001	0.000	0.000	0.000	0.000
position:	39508	382395.44	0.001	0.001	0.000	0.000	0.000	0.000
position:	39509	382402.58	0.001	0.001	0.000	0.000	0.000	0.000
position:	39510	382409.55	0.001	0.001	0.000	0.000	0.000	0.000
position:	39511	382416.54	0.001	0.001	0.000	0.000	0.000	0.000
position:	39512	382423.61	0.001	0.001	0.000	0.000	0.000	0.000
position:	39513	382430.73	0.001	0.001	0.000	0.000	0.000	0.000
position:	39514	382437.71	0.001	0.001	0.000	0.000	0.000	0.000
position:	39515	382444.65	0.001	0.001	0.000	0.000	0.000	0.000
position:	39516	382451.67	0.001	0.001	0.000	0.000	0.000	0.000
position:	39517	382458.93	0.001	0.001	0.000	0.000	0.000	0.000
position:	39518	382466.25	0.001	0.001	0.000	0.000	0.000	0.000
position:	39519	382473.33	0.001	0.001	0.000	0.000	0.000	0.000
position:	39520	382480.43	0.001	0.001	0.000	0.000	0.000	0.000
position:	39521	382487.66	0.001	0.001	0.000	0.000	0.000	0.000
position:	39522	382494.92	0.001	0.001	0.000	0.000	0.000	0.000
position:	39523	382502.20	0.001	0.001	0.000	0.000	0.000	0.000
position:	39524	382509.52	0.001	0.001	0.000	0.000	0.000	0.000
position:	39525	382516.98	0.001	0.001	0.000	0.000	0.000	0.000
position:	39526	382524.21	0.001	0.001	0.000	0.000	0.000	0.000
position:	39527	382531.33	0.001	0.001	0.000	0.000	0.000	0.000
position:	39528	382538.42	0.001	0.001	0.000	0.000	0.000	0.000
position:	39529	382545.54	0.001	0.001	0.000	0.000	0.000	0.000
position:	39530	382552.76	0.001	0.001	0.000	0.000	0.000	0.000
position:	39531	382560.03	0.001	0.001	0.000	0.000	0.000	0.000

position:	39532	382567.24	0.001	0.001	0.000	0.000	0.000	0.000
position:	39533	382574.58	0.001	0.001	0.000	0.000	0.000	0.000
position:	39534	382582.06	0.001	0.001	0.000	0.000	0.000	0.000
position:	39535	382589.48	0.001	0.001	0.000	0.000	0.000	0.000
position:	39536	382596.88	0.001	0.001	0.000	0.000	0.000	0.000
position:	39537	382604.29	0.001	0.001	0.000	0.000	0.000	0.000
position:	39538	382611.70	0.001	0.001	0.000	0.000	0.000	0.000
position:	39539	382619.19	0.001	0.001	0.000	0.000	0.000	0.000
position:	39540	382626.75	0.001	0.001	0.000	0.000	0.000	0.000
position:	39541	382634.30	0.001	0.001	0.000	0.000	0.000	0.000
position:	39542	382641.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39543	382649.67	0.001	0.001	0.000	0.000	0.000	0.000
position:	39544	382657.58	0.001	0.001	0.000	0.000	0.000	0.000
position:	39545	382665.63	0.001	0.001	0.000	-0.001	0.000	0.000
position:	39546	382673.65	0.001	0.001	0.000	0.000	0.000	0.000
position:	39547	382681.74	0.001	0.001	0.000	0.000	0.000	0.000
position:	39548	382690.18	0.001	0.001	0.000	0.000	0.000	0.000
position:	39549	382698.63	0.001	0.001	0.000	0.000	0.000	0.000
position:	39550	382707.22	0.001	0.001	0.000	0.000	0.000	0.000
position:	39551	382715.84	0.001	0.001	0.000	0.000	0.000	0.000
position:	39552	382724.37	0.001	0.001	0.000	0.000	0.000	0.000
position:	39553	382732.70	0.001	0.001	0.000	0.000	0.000	0.000
position:	39554	382740.86	0.001	0.001	0.000	0.000	0.000	0.000
position:	39555	382748.97	0.001	0.001	0.000	0.000	0.000	0.000
position:	39556	382756.95	0.001	0.001	0.000	0.000	0.000	0.000
position:	39557	382764.71	0.001	0.001	0.000	0.000	0.000	0.000
position:	39558	382772.41	0.001	0.001	0.000	0.000	0.000	0.000
position:	39474	381898.78	0.001	0.001	0.000	0.000	0.000	0.000
position:	39475	381907.55	0.001	0.001	0.000	0.000	0.000	0.000
position:	39476	381916.38	0.001	0.001	0.000	0.000	0.000	0.000
position:	39477	381925.29	0.001	0.001	0.000	0.000	0.000	0.000
position:	39478	381934.28	0.001	0.001	0.000	0.000	0.000	0.000
position:	39479	381943.29	0.001	0.001	0.000	0.000	0.000	0.000
position:	39480	381952.40	0.001	0.001	0.000	0.000	0.000	0.000
position:	39481	381961.63	0.001	0.001	0.000	0.000	0.000	0.000
position:	39482	381970.92	0.001	0.001	0.000	0.000	0.000	0.000
position:	39483	381980.63	0.001	0.001	0.000	0.000	0.000	0.000
position:	39484	381990.72	0.001	0.001	0.000	0.000	0.000	0.000
position:	39485	382000.67	0.001	0.001	0.000	0.000	0.000	0.000
position:	39467	381372.76	0.001	0.001	0.000	0.000	0.000	0.000
position:	39468	381382.02	0.001	0.001	0.000	0.000	0.000	0.000
position:	39469	381391.39	0.001	0.001	0.000	0.000	0.000	0.000
position:	39470	381401.03	0.001	0.001	0.000	0.000	0.000	0.000
position:	39471	381410.85	0.001	0.001	0.000	0.000	0.000	0.000
position:	39472	381420.72	0.001	0.001	0.000	0.000	0.000	0.000
position:	39473	381430.49	0.001	0.001	0.000	0.000	0.000	0.000

Average position offset:

East: 0.001 m
North: 0.001 m
Alt: 0.000 m

Position offset RMS:

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

Misalignment angles for the single events [deg]:

	number	time	roll	pitch	yaw	d roll	d pitch	d yaw
angle:	39831	385944.24	-0.1202	0.2876	-0.2090	-0.0017	-0.0003	0.0018
angle:	39832	385951.92	-0.1199	0.2872	-0.2085	-0.0015	-0.0006	0.0024
angle:	39833	385959.71	-0.1194	0.2876	-0.2080	-0.0009	-0.0002	0.0028
angle:	39834	385967.71	-0.1195	0.2873	-0.2076	-0.0011	-0.0005	0.0032
angle:	39835	385975.02	-0.1200	0.2869	-0.2079	-0.0016	-0.0009	0.0030
angle:	39836	385982.18	-0.1195	0.2868	-0.2075	-0.0010	-0.0011	0.0034
angle:	39837	385989.36	-0.1196	0.2873	-0.2074	-0.0012	-0.0006	0.0034
angle:	39838	385996.81	-0.1196	0.2870	-0.2079	-0.0012	-0.0008	0.0029
angle:	39839	386004.88	-0.1194	0.2869	-0.2078	-0.0009	-0.0009	0.0030
angle:	39840	386013.09	-0.1199	0.2871	-0.2076	-0.0015	-0.0007	0.0033
angle:	39841	386021.41	-0.1202	0.2872	-0.2073	-0.0017	-0.0006	0.0035
angle:	39842	386029.75	-0.1203	0.2870	-0.2071	-0.0018	-0.0009	0.0038
angle:	39843	386037.90	-0.1201	0.2872	-0.2074	-0.0017	-0.0006	0.0034
angle:	39844	386046.00	-0.1209	0.2868	-0.2078	-0.0024	-0.0010	0.0030
angle:	39845	386053.96	-0.1208	0.2871	-0.2077	-0.0023	-0.0008	0.0031
angle:	39846	386061.88	-0.1211	0.2869	-0.2078	-0.0027	-0.0009	0.0030
angle:	39847	386069.65	-0.1208	0.2864	-0.2081	-0.0024	-0.0014	0.0027
angle:	39848	386077.17	-0.1213	0.2867	-0.2080	-0.0029	-0.0011	0.0028
angle:	39849	386084.69	-0.1212	0.2863	-0.2079	-0.0027	-0.0015	0.0029
angle:	39850	386091.91	-0.1213	0.2864	-0.2081	-0.0029	-0.0014	0.0027
angle:	39851	386099.01	-0.1216	0.2861	-0.2079	-0.0031	-0.0018	0.0029
angle:	39852	386106.08	-0.1216	0.2860	-0.2081	-0.0032	-0.0018	0.0028
angle:	39853	386113.20	-0.1215	0.2862	-0.2085	-0.0031	-0.0017	0.0024
angle:	39854	386120.31	-0.1216	0.2862	-0.2085	-0.0031	-0.0016	0.0023
angle:	39855	386127.47	-0.1219	0.2864	-0.2084	-0.0034	-0.0014	0.0024
angle:	39856	386134.56	-0.1217	0.2860	-0.2086	-0.0032	-0.0018	0.0023
angle:	39857	386141.62	-0.1214	0.2858	-0.2086	-0.0029	-0.0021	0.0023
angle:	39858	386148.73	-0.1212	0.2857	-0.2082	-0.0028	-0.0022	0.0026
angle:	39859	386155.96	-0.1211	0.2857	-0.2084	-0.0027	-0.0021	0.0025
angle:	39860	386163.20	-0.1215	0.2858	-0.2087	-0.0030	-0.0020	0.0021
angle:	39861	386170.47	-0.1213	0.2850	-0.2094	-0.0029	-0.0028	0.0015

angle:	39862	386177.57	-0.1210	0.2851	-0.2095	-0.0026	-0.0027	0.0014
angle:	39863	386184.49	-0.1205	0.2849	-0.2094	-0.0020	-0.0029	0.0014
angle:	39864	386191.44	-0.1202	0.2848	-0.2094	-0.0018	-0.0031	0.0014
angle:	39865	386198.34	-0.1203	0.2852	-0.2095	-0.0019	-0.0026	0.0014
angle:	39866	386205.26	-0.1204	0.2852	-0.2093	-0.0019	-0.0026	0.0015
angle:	39867	386212.21	-0.1199	0.2858	-0.2091	-0.0014	-0.0020	0.0017
angle:	39868	386219.30	-0.1201	0.2860	-0.2088	-0.0016	-0.0019	0.0020
angle:	39869	386226.23	-0.1198	0.2859	-0.2081	-0.0014	-0.0019	0.0027
angle:	39870	386233.15	-0.1203	0.2867	-0.2079	-0.0018	-0.0011	0.0029
angle:	39871	386240.13	-0.1205	0.2864	-0.2080	-0.0020	-0.0015	0.0028
angle:	39872	386247.16	-0.1203	0.2863	-0.2076	-0.0018	-0.0015	0.0032
angle:	39873	386253.84	-0.1209	0.2861	-0.2079	-0.0025	-0.0017	0.0030
angle:	39874	386260.41	-0.1211	0.2860	-0.2077	-0.0026	-0.0019	0.0031
angle:	39875	386266.98	-0.1214	0.2861	-0.2076	-0.0030	-0.0017	0.0032
angle:	39876	386273.53	-0.1210	0.2871	-0.2090	-0.0025	-0.0007	0.0018
angle:	39877	386280.18	-0.1209	0.2870	-0.2096	-0.0025	-0.0008	0.0013
angle:	39878	386286.99	-0.1209	0.2873	-0.2092	-0.0024	-0.0005	0.0016
angle:	39879	386294.03	-0.1212	0.2876	-0.2080	-0.0028	-0.0002	0.0028
angle:	39880	386301.22	-0.1214	0.2874	-0.2083	-0.0029	-0.0004	0.0025
angle:	39881	386308.87	-0.1211	0.2873	-0.2086	-0.0026	-0.0005	0.0022
angle:	39882	386316.63	-0.1205	0.2866	-0.2089	-0.0020	-0.0012	0.0019
angle:	39883	386324.36	-0.1209	0.2863	-0.2092	-0.0024	-0.0015	0.0016
angle:	39884	386332.13	-0.1204	0.2858	-0.2092	-0.0020	-0.0020	0.0017
angle:	39885	386339.98	-0.1209	0.2857	-0.2093	-0.0025	-0.0022	0.0016
angle:	39886	386347.94	-0.1213	0.2853	-0.2097	-0.0028	-0.0025	0.0011
angle:	39887	386355.97	-0.1207	0.2855	-0.2096	-0.0022	-0.0023	0.0012
angle:	39888	386364.04	-0.1206	0.2859	-0.2093	-0.0022	-0.0019	0.0015
angle:	39889	386372.10	-0.1206	0.2865	-0.2091	-0.0021	-0.0013	0.0017
angle:	39890	386380.17	-0.1208	0.2863	-0.2095	-0.0023	-0.0015	0.0013
angle:	39891	386388.23	-0.1208	0.2862	-0.2094	-0.0023	-0.0016	0.0015
angle:	39892	386396.29	-0.1205	0.2861	-0.2097	-0.0020	-0.0017	0.0011
angle:	39893	386404.46	-0.1203	0.2857	-0.2097	-0.0018	-0.0021	0.0011
angle:	39894	386412.61	-0.1204	0.2858	-0.2100	-0.0019	-0.0020	0.0009
angle:	39895	386420.97	-0.1202	0.2864	-0.2096	-0.0017	-0.0015	0.0012
angle:	39896	386429.30	-0.1197	0.2862	-0.2092	-0.0013	-0.0016	0.0016
angle:	39897	386437.77	-0.1204	0.2866	-0.2095	-0.0019	-0.0012	0.0014
angle:	39898	386445.95	-0.1203	0.2867	-0.2096	-0.0019	-0.0012	0.0012
angle:	39899	386453.87	-0.1201	0.2866	-0.2097	-0.0016	-0.0012	0.0011
angle:	39900	386461.83	-0.1195	0.2864	-0.2096	-0.0011	-0.0014	0.0013
angle:	39901	386469.90	-0.1199	0.2867	-0.2098	-0.0014	-0.0011	0.0010
angle:	39902	386477.97	-0.1204	0.2865	-0.2100	-0.0019	-0.0013	0.0008
angle:	39903	386485.98	-0.1200	0.2864	-0.2101	-0.0015	-0.0015	0.0007
angle:	39904	386493.90	-0.1203	0.2861	-0.2101	-0.0019	-0.0017	0.0007
angle:	39905	386501.47	-0.1201	0.2863	-0.2101	-0.0016	-0.0015	0.0007
angle:	39906	386509.04	-0.1202	0.2860	-0.2101	-0.0017	-0.0018	0.0007
angle:	39907	386516.56	-0.1199	0.2862	-0.2102	-0.0014	-0.0017	0.0007
angle:	39908	386523.90	-0.1205	0.2858	-0.2103	-0.0020	-0.0020	0.0006
angle:	39909	386531.23	-0.1202	0.2857	-0.2104	-0.0017	-0.0021	0.0004
angle:	39910	386538.62	-0.1202	0.2868	-0.2095	-0.0018	-0.0011	0.0013
angle:	39911	386546.15	-0.1203	0.2869	-0.2097	-0.0018	-0.0009	0.0011
angle:	39912	386553.67	-0.1200	0.2864	-0.2097	-0.0015	-0.0015	0.0011
angle:	39913	386561.24	-0.1203	0.2863	-0.2098	-0.0019	-0.0015	0.0011
angle:	39914	386568.85	-0.1207	0.2862	-0.2101	-0.0022	-0.0016	0.0007
angle:	39915	386576.36	-0.1204	0.2859	-0.2104	-0.0019	-0.0019	0.0004
angle:	39916	386583.89	-0.1205	0.2855	-0.2099	-0.0020	-0.0023	0.0009
angle:	39917	386591.59	-0.1201	0.2859	-0.2094	-0.0016	-0.0019	0.0014
angle:	39918	386599.26	-0.1202	0.2855	-0.2098	-0.0017	-0.0024	0.0010
angle:	39919	386606.82	-0.1201	0.2850	-0.2098	-0.0016	-0.0028	0.0011
angle:	39920	386614.35	-0.1205	0.2843	-0.2099	-0.0020	-0.0035	0.0009
angle:	39921	386621.95	-0.1203	0.2835	-0.2106	-0.0019	-0.0043	0.0002
angle:	39738	384899.38	-0.1195	0.2893	-0.2128	-0.0010	-0.0015	-0.0020
angle:	39739	384909.23	-0.1196	0.2885	-0.2123	-0.0011	-0.0007	-0.0014
angle:	39740	384918.98	-0.1192	0.2878	-0.2119	-0.0007	-0.0000	-0.0011
angle:	39741	384928.71	-0.1195	0.2880	-0.2117	-0.0010	-0.0001	-0.0009
angle:	39742	384938.44	-0.1191	0.2876	-0.2112	-0.0007	-0.0003	-0.0004
angle:	39743	384948.24	-0.1186	0.2871	-0.2113	-0.0001	-0.0007	-0.0005
angle:	39744	384957.94	-0.1191	0.2870	-0.2113	-0.0006	-0.0009	-0.0005
angle:	39745	384967.64	-0.1187	0.2864	-0.2112	-0.0003	-0.0014	-0.0004
angle:	39746	384977.35	-0.1186	0.2867	-0.2107	-0.0001	-0.0011	-0.0001
angle:	39747	384987.11	-0.1185	0.2868	-0.2109	0.0000	-0.0010	-0.0001
angle:	39748	384996.85	-0.1185	0.2864	-0.2104	-0.0001	-0.0014	0.0004
angle:	39749	385006.61	-0.1184	0.2865	-0.2102	0.0000	-0.0013	0.0006
angle:	39750	385016.19	-0.1187	0.2863	-0.2098	-0.0003	-0.0015	0.0010
angle:	39751	385025.51	-0.1187	0.2864	-0.2102	-0.0003	-0.0014	0.0006
angle:	39752	385034.74	-0.1185	0.2867	-0.2099	0.0000	-0.0012	0.0009
angle:	39753	385044.03	-0.1181	0.2863	-0.2096	0.0003	-0.0015	0.0012
angle:	39754	385053.54	-0.1188	0.2862	-0.2094	-0.0003	-0.0016	0.0014
angle:	39755	385063.12	-0.1185	0.2867	-0.2090	0.0000	-0.0011	0.0018
angle:	39756	385072.86	-0.1190	0.2862	-0.2090	-0.0005	-0.0017	0.0018
angle:	39757	385082.84	-0.1186	0.2866	-0.2091	-0.0002	-0.0012	0.0017
angle:	39758	385092.99	-0.1193	0.2867	-0.2089	-0.0009	-0.0011	0.0020
angle:	39759	385102.97	-0.1193	0.2866	-0.2088	-0.0008	-0.0013	0.0020
angle:	39760	385113.00	-0.1189	0.2866	-0.2090	-0.0005	-0.0012	0.0018
angle:	39761	385123.08	-0.1184	0.2864	-0.2091	0.0001	-0.0014	0.0017
angle:	39762	385133.15	-0.1191	0.2869	-0.2091	-0.0007	-0.0009	0.0017
angle:	39763	385143.59	-0.1192	0.2865	-0.2090	-0.0007	-0.0013	0.0018
angle:	39764	385154.42	-0.1187	0.2869	-0.2086	-0.0002	-0.0009	0.0022
angle:	39765	385165.28	-0.1188	0.2870	-0.2086	-0.0004	-0.0008	0.0022
angle:	39766	385175.71	-0.1188	0.2868	-0.2089	-0.0004	-0.0010	0.0019
angle:	39767	385185.92	-0.1188	0.2872	-0.2088	-0.0004	-0.0007	0.0020
angle:	39768	385195.84	-0.1190	0.2872	-0.2090	-0.0005	-0.0006	0.0018
angle:	39769	385205.66	-0.1188	0.2876	-0.2088	-0.0003	-0.0003	0.0020

angle:	39770	385215.48	-0.1186	0.2873	-0.2091	-0.0001	-0.0005	0.0017
angle:	39771	385225.37	-0.1182	0.2872	-0.2091	0.0003	-0.0006	0.0017
angle:	39772	385235.32	-0.1183	0.2872	-0.2090	0.0002	-0.0006	0.0019
angle:	39773	385245.11	-0.1184	0.2876	-0.2088	0.0001	-0.0002	0.0020
angle:	39774	385254.92	-0.1186	0.2872	-0.2090	-0.0001	-0.0007	0.0018
angle:	39775	385264.71	-0.1182	0.2875	-0.2086	0.0002	-0.0003	0.0022
angle:	39776	385274.56	-0.1182	0.2871	-0.2083	0.0003	-0.0007	0.0025
angle:	39777	385284.42	-0.1182	0.2872	-0.2082	0.0002	-0.0007	0.0026
angle:	39778	385294.41	-0.1185	0.2868	-0.2080	-0.0001	-0.0010	0.0028
angle:	39779	385304.38	-0.1185	0.2866	-0.2080	-0.0001	-0.0013	0.0028
angle:	39780	385314.30	-0.1183	0.2862	-0.2078	0.0002	-0.0016	0.0031
angle:	39781	385323.93	-0.1187	0.2865	-0.2076	-0.0002	-0.0013	0.0032
angle:	39782	385332.98	-0.1191	0.2861	-0.2076	-0.0006	-0.0017	0.0032
angle:	39783	385341.55	-0.1187	0.2864	-0.2069	-0.0002	-0.0014	0.0040
angle:	39784	385349.96	-0.1193	0.2864	-0.2078	-0.0008	-0.0015	0.0030
angle:	39785	385358.12	-0.1196	0.2868	-0.2086	-0.0012	-0.0010	0.0022
angle:	39786	385366.26	-0.1189	0.2863	-0.2086	-0.0005	-0.0016	0.0023
angle:	39787	385374.41	-0.1186	0.2871	-0.2080	-0.0002	-0.0007	0.0028
angle:	39788	385383.04	-0.1190	0.2869	-0.2080	-0.0005	-0.0010	0.0028
angle:	39789	385391.89	-0.1191	0.2866	-0.2083	-0.0007	-0.0013	0.0026
angle:	39790	385400.70	-0.1189	0.2869	-0.2081	-0.0004	-0.0009	0.0028
angle:	39791	385409.49	-0.1188	0.2867	-0.2087	-0.0003	-0.0011	0.0021
angle:	39792	385418.27	-0.1188	0.2870	-0.2088	-0.0003	-0.0008	0.0020
angle:	39793	385427.05	-0.1183	0.2875	-0.2085	0.0001	-0.0003	0.0023
angle:	39794	385435.75	-0.1183	0.2878	-0.2079	0.0001	0.0000	0.0029
angle:	39795	385444.20	-0.1184	0.2877	-0.2082	0.0000	-0.0001	0.0027
angle:	39796	385452.57	-0.1181	0.2875	-0.2086	0.0003	-0.0003	0.0023
angle:	39797	385460.96	-0.1182	0.2872	-0.2087	0.0003	-0.0007	0.0021
angle:	39798	385469.39	-0.1178	0.2872	-0.2087	0.0006	-0.0006	0.0021
angle:	39799	385478.12	-0.1179	0.2869	-0.2085	0.0006	-0.0010	0.0024
angle:	39800	385487.01	-0.1176	0.2869	-0.2083	0.0008	-0.0010	0.0026
angle:	39801	385495.76	-0.1179	0.2867	-0.2084	0.0006	-0.0011	0.0025
angle:	39802	385504.43	-0.1173	0.2866	-0.2088	0.0011	-0.0012	0.0020
angle:	39803	385512.93	-0.1170	0.2860	-0.2082	0.0015	-0.0019	0.0026
angle:	39804	385521.44	-0.1172	0.2867	-0.2072	0.0013	-0.0011	0.0036
angle:	39805	385529.90	-0.1164	0.2871	-0.2069	0.0020	-0.0008	0.0039
angle:	39806	385538.49	-0.1172	0.2874	-0.2069	0.0013	-0.0005	0.0039
angle:	39807	385547.13	-0.1173	0.2869	-0.2069	0.0011	-0.0009	0.0039
angle:	39808	385555.77	-0.1172	0.2868	-0.2073	0.0013	-0.0010	0.0035
angle:	39809	385564.27	-0.1172	0.2866	-0.2069	0.0013	-0.0012	0.0039
angle:	39810	385572.79	-0.1169	0.2866	-0.2065	0.0015	-0.0012	0.0043
angle:	39811	385581.28	-0.1171	0.2866	-0.2068	0.0014	-0.0013	0.0040
angle:	39812	385590.24	-0.1178	0.2867	-0.2062	0.0007	-0.0011	0.0046
angle:	39813	385599.46	-0.1179	0.2863	-0.2069	0.0005	-0.0015	0.0039
angle:	39814	385608.79	-0.1179	0.2862	-0.2066	0.0006	-0.0017	0.0043
angle:	39815	385618.50	-0.1183	0.2858	-0.2063	0.0001	-0.0020	0.0045
angle:	39816	385628.01	-0.1188	0.2862	-0.2066	-0.0004	-0.0016	0.0042
angle:	39817	385637.58	-0.1188	0.2859	-0.2066	-0.0004	-0.0019	0.0042
angle:	39818	385647.12	-0.1186	0.2862	-0.2063	-0.0001	-0.0016	0.0045
angle:	39819	385657.26	-0.1189	0.2855	-0.2070	-0.0004	-0.0023	0.0038
angle:	39820	385667.59	-0.1192	0.2861	-0.2065	-0.0008	-0.0018	0.0043
angle:	39821	385677.69	-0.1189	0.2861	-0.2068	-0.0004	-0.0017	0.0040
angle:	39822	385687.50	-0.1188	0.2857	-0.2065	-0.0004	-0.0021	0.0043
angle:	39823	385697.31	-0.1188	0.2859	-0.2069	-0.0003	-0.0019	0.0039
angle:	39824	385707.22	-0.1193	0.2855	-0.2070	-0.0008	-0.0023	0.0038
angle:	39825	385717.21	-0.1195	0.2858	-0.2072	-0.0011	-0.0020	0.0036
angle:	39826	385727.15	-0.1195	0.2851	-0.2073	-0.0010	-0.0027	0.0035
angle:	39827	385737.35	-0.1192	0.2856	-0.2073	-0.0008	-0.0022	0.0035
angle:	39828	385747.72	-0.1193	0.2859	-0.2077	-0.0008	-0.0019	0.0031
angle:	39829	385757.81	-0.1195	0.2855	-0.2082	-0.0010	-0.0024	0.0026
angle:	39830	385767.80	-0.1192	0.2852	-0.2083	-0.0007	-0.0026	0.0025
angle:	39645	384012.42	-0.1188	0.2907	-0.2099	-0.0004	-0.0029	0.0009
angle:	39646	384020.47	-0.1187	0.2899	-0.2095	-0.0002	-0.0021	0.0013
angle:	39647	384028.45	-0.1192	0.2899	-0.2095	-0.0007	-0.0021	0.0013
angle:	39648	384035.96	-0.1192	0.2900	-0.2090	-0.0008	-0.0022	0.0018
angle:	39649	384043.48	-0.1195	0.2902	-0.2095	-0.0010	-0.0024	0.0013
angle:	39650	384050.99	-0.1195	0.2896	-0.2099	-0.0010	-0.0018	0.0009
angle:	39651	384058.75	-0.1198	0.2894	-0.2102	-0.0014	-0.0016	0.0007
angle:	39652	384066.16	-0.1190	0.2889	-0.2100	-0.0006	-0.0011	0.0008
angle:	39653	384073.47	-0.1197	0.2888	-0.2098	-0.0012	-0.0010	0.0010
angle:	39654	384080.73	-0.1191	0.2885	-0.2098	-0.0006	-0.0007	0.0010
angle:	39655	384088.34	-0.1195	0.2888	-0.2096	-0.0010	-0.0009	0.0013
angle:	39656	384096.19	-0.1196	0.2888	-0.2095	-0.0012	-0.0010	0.0013
angle:	39657	384103.75	-0.1199	0.2888	-0.2096	-0.0015	-0.0010	0.0012
angle:	39658	384111.01	-0.1201	0.2885	-0.2094	-0.0017	-0.0007	0.0015
angle:	39659	384118.03	-0.1196	0.2884	-0.2100	-0.0012	-0.0006	0.0008
angle:	39660	384124.82	-0.1194	0.2880	-0.2101	-0.0010	-0.0002	0.0007
angle:	39661	384131.67	-0.1198	0.2882	-0.2102	-0.0014	-0.0004	0.0006
angle:	39662	384138.59	-0.1198	0.2878	-0.2100	-0.0014	-0.0000	0.0009
angle:	39663	384145.58	-0.1197	0.2876	-0.2101	-0.0012	-0.0002	0.0007
angle:	39664	384152.42	-0.1200	0.2873	-0.2104	-0.0015	-0.0005	0.0004
angle:	39665	384159.19	-0.1198	0.2877	-0.2104	-0.0014	-0.0001	0.0004
angle:	39666	384165.89	-0.1194	0.2876	-0.2107	-0.0009	-0.0002	0.0001
angle:	39667	384172.59	-0.1195	0.2878	-0.2102	-0.0011	-0.0000	0.0007
angle:	39668	384179.29	-0.1199	0.2875	-0.2095	-0.0014	-0.0003	0.0013
angle:	39669	384186.20	-0.1199	0.2875	-0.2097	-0.0015	-0.0003	0.0011
angle:	39670	384193.09	-0.1194	0.2875	-0.2095	-0.0010	-0.0003	0.0013
angle:	39671	384199.89	-0.1197	0.2874	-0.2093	-0.0013	-0.0005	0.0015
angle:	39672	384206.63	-0.1202	0.2880	-0.2101	-0.0017	-0.0001	0.0007
angle:	39673	384213.39	-0.1204	0.2878	-0.2098	-0.0019	-0.0000	0.0011
angle:	39674	384220.13	-0.1199	0.2881	-0.2098	-0.0014	-0.0002	0.0010
angle:	39675	384226.89	-0.1198	0.2878	-0.2101	-0.0013	-0.0000	0.0007

angle:	39676	384233.64	-0.1203	0.2876	-0.2100	-0.0018	-0.0002	0.0008
angle:	39677	384240.39	-0.1199	0.2875	-0.2107	-0.0014	-0.0003	0.0001
angle:	39678	384247.14	-0.1198	0.2872	-0.2110	-0.0014	-0.0006	-0.0002
angle:	39679	384253.79	-0.1194	0.2874	-0.2108	-0.0009	-0.0004	0.0000
angle:	39680	384260.43	-0.1192	0.2876	-0.2110	-0.0008	-0.0003	-0.0002
angle:	39681	384267.16	-0.1192	0.2871	-0.2109	-0.0008	-0.0007	-0.0001
angle:	39682	384273.93	-0.1192	0.2875	-0.2107	-0.0007	-0.0003	0.0002
angle:	39683	384280.87	-0.1191	0.2875	-0.2107	-0.0007	-0.0003	0.0001
angle:	39684	384287.82	-0.1192	0.2875	-0.2104	-0.0008	-0.0003	0.0004
angle:	39685	384294.78	-0.1191	0.2872	-0.2102	-0.0007	-0.0006	0.0007
angle:	39686	384301.94	-0.1191	0.2881	-0.2098	-0.0007	0.0002	0.0010
angle:	39687	384309.05	-0.1192	0.2876	-0.2099	-0.0008	-0.0002	0.0009
angle:	39688	384316.06	-0.1190	0.2877	-0.2100	-0.0006	-0.0001	0.0008
angle:	39689	384322.87	-0.1192	0.2877	-0.2100	-0.0008	-0.0001	0.0008
angle:	39690	384329.46	-0.1191	0.2876	-0.2103	-0.0006	-0.0003	0.0005
angle:	39691	384336.04	-0.1188	0.2879	-0.2100	-0.0003	0.0001	0.0009
angle:	39692	384342.95	-0.1192	0.2877	-0.2098	-0.0008	-0.0001	0.0010
angle:	39693	384350.31	-0.1199	0.2877	-0.2100	-0.0015	-0.0001	0.0008
angle:	39694	384357.86	-0.1193	0.2880	-0.2099	-0.0009	0.0002	0.0010
angle:	39695	384365.51	-0.1195	0.2876	-0.2104	-0.0010	-0.0002	0.0004
angle:	39696	384373.20	-0.1198	0.2879	-0.2103	-0.0014	-0.0001	0.0005
angle:	39697	384380.90	-0.1195	0.2876	-0.2105	-0.0011	-0.0002	0.0003
angle:	39698	384388.63	-0.1194	0.2878	-0.2104	-0.0010	-0.0001	0.0004
angle:	39699	384396.38	-0.1202	0.2875	-0.2104	-0.0017	-0.0003	0.0004
angle:	39700	384404.12	-0.1201	0.2874	-0.2107	-0.0017	-0.0004	0.0002
angle:	39701	384411.80	-0.1204	0.2875	-0.2110	-0.0020	-0.0004	-0.0002
angle:	39702	384419.42	-0.1200	0.2876	-0.2106	-0.0016	-0.0003	0.0002
angle:	39703	384427.06	-0.1198	0.2873	-0.2105	-0.0013	-0.0005	0.0003
angle:	39704	384434.73	-0.1199	0.2878	-0.2103	-0.0014	-0.0000	0.0005
angle:	39705	384442.44	-0.1198	0.2872	-0.2104	-0.0014	-0.0006	0.0004
angle:	39706	384450.17	-0.1196	0.2870	-0.2103	-0.0012	-0.0009	0.0005
angle:	39707	384457.91	-0.1196	0.2873	-0.2107	-0.0012	-0.0006	0.0001
angle:	39708	384465.73	-0.1200	0.2877	-0.2107	-0.0016	-0.0001	0.0002
angle:	39709	384473.77	-0.1192	0.2881	-0.2107	-0.0007	0.0003	0.0002
angle:	39710	384481.88	-0.1200	0.2879	-0.2108	-0.0016	0.0000	0.0000
angle:	39711	384490.42	-0.1195	0.2881	-0.2105	-0.0011	0.0002	0.0003
angle:	39712	384499.00	-0.1198	0.2882	-0.2107	-0.0014	0.0003	0.0001
angle:	39713	384507.44	-0.1194	0.2879	-0.2108	-0.0010	0.0000	0.0001
angle:	39714	384515.59	-0.1194	0.2879	-0.2103	-0.0009	0.0001	0.0005
angle:	39715	384523.72	-0.1193	0.2883	-0.2104	-0.0009	0.0004	0.0005
angle:	39716	384531.70	-0.1197	0.2877	-0.2102	-0.0012	-0.0001	0.0006
angle:	39717	384539.72	-0.1194	0.2883	-0.2100	-0.0009	0.0005	0.0008
angle:	39718	384547.64	-0.1198	0.2875	-0.2102	-0.0013	-0.0003	0.0006
angle:	39719	384555.24	-0.1197	0.2879	-0.2099	-0.0012	0.0001	0.0009
angle:	39720	384562.54	-0.1200	0.2876	-0.2101	-0.0016	-0.0002	0.0007
angle:	39721	384569.85	-0.1201	0.2877	-0.2103	-0.0016	-0.0001	0.0005
angle:	39722	384577.24	-0.1202	0.2878	-0.2102	-0.0017	0.0000	0.0006
angle:	39723	384584.76	-0.1200	0.2880	-0.2103	-0.0016	0.0002	0.0005
angle:	39724	384592.28	-0.1201	0.2878	-0.2105	-0.0017	0.0000	0.0003
angle:	39725	384599.89	-0.1199	0.2883	-0.2108	-0.0014	0.0004	0.0000
angle:	39726	384607.65	-0.1196	0.2881	-0.2109	-0.0011	0.0003	-0.0001
angle:	39727	384615.44	-0.1199	0.2880	-0.2111	-0.0014	0.0002	-0.0002
angle:	39728	384623.22	-0.1195	0.2884	-0.2112	-0.0010	0.0005	-0.0003
angle:	39729	384631.02	-0.1197	0.2881	-0.2114	-0.0013	0.0003	-0.0006
angle:	39730	384638.90	-0.1195	0.2882	-0.2116	-0.0011	0.0004	-0.0008
angle:	39731	384646.91	-0.1194	0.2878	-0.2115	-0.0010	-0.0001	-0.0007
angle:	39732	384654.83	-0.1194	0.2881	-0.2115	-0.0009	0.0003	-0.0007
angle:	39733	384662.55	-0.1186	0.2882	-0.2117	-0.0002	0.0003	-0.0009
angle:	39734	384670.28	-0.1185	0.2877	-0.2121	-0.0001	-0.0001	-0.0013
angle:	39735	384677.99	-0.1182	0.2874	-0.2116	0.0002	-0.0005	-0.0008
angle:	39736	384685.75	-0.1181	0.2862	-0.2116	0.0004	-0.0016	-0.0008
angle:	39737	384693.60	-0.1184	0.2862	-0.2114	0.0001	-0.0016	-0.0006
angle:	39559	383033.77	-0.1165	0.2877	-0.2184	0.0019	-0.0001	-0.0076
angle:	39560	383043.77	-0.1159	0.2876	-0.2179	0.0025	-0.0002	-0.0071
angle:	39561	383053.79	-0.1163	0.2879	-0.2178	0.0021	0.0001	-0.0070
angle:	39562	383063.95	-0.1157	0.2877	-0.2171	0.0027	-0.0002	-0.0063
angle:	39563	383074.09	-0.1153	0.2875	-0.2174	0.0032	-0.0003	-0.0066
angle:	39564	383084.24	-0.1150	0.2877	-0.2175	0.0035	-0.0002	-0.0067
angle:	39565	383094.37	-0.1149	0.2877	-0.2176	0.0035	-0.0001	-0.0068
angle:	39566	383104.38	-0.1144	0.2880	-0.2170	0.0041	0.0001	-0.0062
angle:	39567	383114.18	-0.1142	0.2877	-0.2171	0.0043	-0.0001	-0.0063
angle:	39568	383123.87	-0.1144	0.2876	-0.2164	0.0040	-0.0002	-0.0056
angle:	39569	383133.55	-0.1142	0.2882	-0.2157	0.0043	0.0004	-0.0049
angle:	39570	383143.15	-0.1147	0.2885	-0.2153	0.0038	0.0007	-0.0045
angle:	39571	383152.68	-0.1149	0.2890	-0.2147	0.0035	0.0012	-0.0039
angle:	39572	383162.00	-0.1156	0.2884	-0.2147	0.0029	0.0006	-0.0038
angle:	39573	383171.39	-0.1154	0.2890	-0.2149	0.0031	0.0012	-0.0041
angle:	39574	383180.83	-0.1156	0.2887	-0.2154	0.0028	0.0008	-0.0046
angle:	39575	383190.72	-0.1154	0.2886	-0.2157	0.0031	0.0008	-0.0049
angle:	39576	383200.97	-0.1155	0.2887	-0.2153	0.0029	0.0009	-0.0044
angle:	39577	383211.47	-0.1156	0.2885	-0.2154	0.0029	0.0007	-0.0045
angle:	39578	383221.98	-0.1154	0.2883	-0.2152	0.0031	0.0004	-0.0044
angle:	39579	383232.60	-0.1155	0.2882	-0.2152	0.0029	0.0004	-0.0044
angle:	39580	383243.34	-0.1158	0.2884	-0.2154	0.0026	0.0006	-0.0045
angle:	39581	383254.21	-0.1158	0.2886	-0.2151	0.0027	0.0008	-0.0043
angle:	39582	383264.99	-0.1152	0.2883	-0.2149	0.0033	0.0005	-0.0041
angle:	39583	383275.79	-0.1151	0.2887	-0.2148	0.0033	0.0009	-0.0040
angle:	39584	383286.45	-0.1154	0.2886	-0.2148	0.0030	0.0008	-0.0040
angle:	39585	383296.66	-0.1155	0.2890	-0.2147	0.0029	0.0012	-0.0039
angle:	39586	383306.69	-0.1154	0.2887	-0.2146	0.0030	0.0009	-0.0038
angle:	39587	383316.67	-0.1160	0.2891	-0.2147	0.0025	0.0013	-0.0039
angle:	39588	383326.51	-0.1152	0.2890	-0.2143	0.0032	0.0012	-0.0035

angle:	39589	383336.31	-0.1156	0.2890	-0.2142	0.0029	0.0011	-0.0034
angle:	39590	383346.11	-0.1153	0.2892	-0.2142	0.0032	0.0013	-0.0034
angle:	39591	383355.94	-0.1157	0.2891	-0.2141	0.0027	0.0013	-0.0032
angle:	39592	383365.75	-0.1157	0.2891	-0.2141	0.0028	0.0012	-0.0032
angle:	39593	383375.63	-0.1153	0.2890	-0.2139	0.0032	0.0012	-0.0031
angle:	39594	383385.28	-0.1153	0.2888	-0.2138	0.0032	0.0010	-0.0030
angle:	39595	383394.91	-0.1155	0.2893	-0.2135	0.0030	0.0014	-0.0027
angle:	39596	383404.52	-0.1156	0.2889	-0.2133	0.0028	0.0011	-0.0025
angle:	39597	383414.10	-0.1154	0.2887	-0.2134	0.0030	0.0008	-0.0026
angle:	39598	383423.54	-0.1158	0.2889	-0.2131	0.0026	0.0011	-0.0023
angle:	39599	383432.97	-0.1157	0.2890	-0.2130	0.0028	0.0012	-0.0022
angle:	39600	383442.42	-0.1159	0.2887	-0.2126	0.0026	0.0009	-0.0017
angle:	39601	383451.61	-0.1162	0.2886	-0.2125	0.0023	0.0008	-0.0016
angle:	39602	383460.81	-0.1164	0.2884	-0.2127	0.0020	0.0005	-0.0019
angle:	39603	383469.97	-0.1162	0.2887	-0.2123	0.0023	0.0009	-0.0015
angle:	39604	383479.07	-0.1164	0.2882	-0.2122	0.0020	0.0004	-0.0014
angle:	39605	383488.13	-0.1167	0.2884	-0.2129	0.0017	0.0006	-0.0021
angle:	39606	383497.28	-0.1165	0.2888	-0.2131	0.0020	0.0010	-0.0022
angle:	39607	383506.54	-0.1163	0.2887	-0.2128	0.0021	0.0009	-0.0020
angle:	39608	383515.80	-0.1165	0.2886	-0.2125	0.0020	0.0008	-0.0017
angle:	39609	383524.90	-0.1170	0.2887	-0.2125	0.0014	0.0009	-0.0017
angle:	39610	383533.95	-0.1164	0.2882	-0.2121	0.0021	0.0004	-0.0013
angle:	39611	383543.00	-0.1170	0.2883	-0.2120	0.0015	0.0004	-0.0012
angle:	39612	383552.12	-0.1165	0.2883	-0.2121	0.0019	0.0005	-0.0013
angle:	39613	383561.09	-0.1170	0.2881	-0.2123	0.0015	0.0003	-0.0015
angle:	39614	383570.07	-0.1168	0.2879	-0.2120	0.0017	0.0001	-0.0012
angle:	39615	383578.71	-0.1169	0.2883	-0.2123	0.0015	0.0005	-0.0014
angle:	39616	383587.37	-0.1170	0.2882	-0.2122	0.0014	0.0004	-0.0014
angle:	39617	383596.05	-0.1172	0.2882	-0.2124	0.0013	0.0004	-0.0016
angle:	39618	383604.72	-0.1165	0.2881	-0.2116	0.0019	0.0003	-0.0008
angle:	39619	383613.40	-0.1167	0.2881	-0.2117	0.0017	0.0003	-0.0009
angle:	39620	383622.22	-0.1169	0.2886	-0.2122	0.0015	0.0008	-0.0014
angle:	39621	383631.18	-0.1167	0.2884	-0.2124	0.0017	0.0006	-0.0016
angle:	39622	383640.29	-0.1169	0.2884	-0.2127	0.0015	0.0006	-0.0019
angle:	39623	383649.35	-0.1164	0.2888	-0.2122	0.0021	0.0010	-0.0014
angle:	39624	383658.35	-0.1162	0.2884	-0.2118	0.0022	0.0005	-0.0010
angle:	39625	383667.23	-0.1162	0.2884	-0.2119	0.0023	0.0006	-0.0010
angle:	39626	383675.91	-0.1165	0.2878	-0.2121	0.0019	0.0000	-0.0013
angle:	39627	383684.50	-0.1167	0.2882	-0.2124	0.0018	0.0004	-0.0016
angle:	39628	383693.24	-0.1163	0.2880	-0.2126	0.0022	0.0002	-0.0018
angle:	39629	383701.68	-0.1162	0.2875	-0.2127	0.0023	-0.0003	-0.0018
angle:	39630	383709.93	-0.1155	0.2880	-0.2122	0.0029	0.0001	-0.0013
angle:	39631	383718.14	-0.1160	0.2875	-0.2116	0.0024	-0.0003	-0.0008
angle:	39632	383726.47	-0.1160	0.2872	-0.2120	0.0025	-0.0006	-0.0012
angle:	39633	383734.95	-0.1159	0.2874	-0.2120	0.0026	-0.0004	-0.0012
angle:	39634	383743.81	-0.1159	0.2871	-0.2120	0.0025	-0.0007	-0.0012
angle:	39635	383752.99	-0.1156	0.2873	-0.2120	0.0029	-0.0005	-0.0012
angle:	39636	383762.23	-0.1159	0.2868	-0.2117	0.0026	-0.0010	-0.0009
angle:	39637	383771.64	-0.1160	0.2872	-0.2117	0.0024	-0.0007	-0.0009
angle:	39638	383781.23	-0.1160	0.2872	-0.2114	0.0024	-0.0006	-0.0006
angle:	39639	383790.57	-0.1157	0.2872	-0.2111	0.0027	-0.0006	-0.0003
angle:	39640	383799.83	-0.1159	0.2870	-0.2112	0.0026	-0.0008	-0.0004
angle:	39641	383808.93	-0.1166	0.2865	-0.2112	0.0019	-0.0013	-0.0004
angle:	39642	383818.04	-0.1165	0.2867	-0.2112	0.0020	-0.0012	-0.0004
angle:	39643	383827.08	-0.1163	0.2871	-0.2110	0.0021	-0.0007	-0.0002
angle:	39644	383836.05	-0.1168	0.2862	-0.2109	0.0017	-0.0016	-0.0001
angle:	39486	382243.13	-0.1178	0.2927	-0.2104	0.0006	0.0049	0.0004
angle:	39487	382249.97	-0.1188	0.2918	-0.2111	-0.0003	0.0040	-0.0002
angle:	39488	382256.77	-0.1184	0.2921	-0.2110	0.0000	0.0042	-0.0002
angle:	39489	382263.82	-0.1177	0.2921	-0.2111	0.0007	0.0042	-0.0003
angle:	39490	382270.98	-0.1185	0.2919	-0.2112	0.0000	0.0040	-0.0004
angle:	39491	382278.23	-0.1181	0.2921	-0.2114	0.0004	0.0043	-0.0006
angle:	39492	382285.66	-0.1182	0.2922	-0.2115	0.0003	0.0043	-0.0007
angle:	39493	382292.88	-0.1187	0.2920	-0.2112	-0.0003	0.0042	-0.0003
angle:	39494	382299.93	-0.1180	0.2914	-0.2112	0.0005	0.0036	-0.0004
angle:	39495	382306.82	-0.1183	0.2915	-0.2113	0.0002	0.0036	-0.0004
angle:	39496	382313.55	-0.1177	0.2910	-0.2116	0.0007	0.0032	-0.0007
angle:	39497	382320.16	-0.1181	0.2908	-0.2121	0.0004	0.0030	-0.0013
angle:	39498	382326.82	-0.1184	0.2904	-0.2124	0.0000	0.0026	-0.0016
angle:	39499	382333.35	-0.1185	0.2906	-0.2124	0.0000	0.0028	-0.0016
angle:	39500	382339.86	-0.1184	0.2906	-0.2116	0.0001	0.0028	-0.0007
angle:	39501	382346.39	-0.1182	0.2903	-0.2113	0.0002	0.0024	-0.0005
angle:	39502	382353.09	-0.1184	0.2902	-0.2109	0.0001	0.0024	-0.0001
angle:	39503	382359.84	-0.1183	0.2894	-0.2105	0.0001	0.0016	0.0003
angle:	39504	382366.68	-0.1184	0.2898	-0.2112	0.0000	0.0020	-0.0003
angle:	39505	382373.67	-0.1183	0.2901	-0.2116	0.0001	0.0022	-0.0008
angle:	39506	382380.88	-0.1182	0.2905	-0.2116	0.0003	0.0027	-0.0008
angle:	39507	382388.17	-0.1183	0.2900	-0.2123	0.0001	0.0022	-0.0015
angle:	39508	382395.44	-0.1179	0.2901	-0.2123	0.0006	0.0023	-0.0015
angle:	39509	382402.58	-0.1181	0.2898	-0.2125	0.0003	0.0020	-0.0016
angle:	39510	382409.55	-0.1182	0.2900	-0.2120	0.0003	0.0022	-0.0012
angle:	39511	382416.54	-0.1181	0.2897	-0.2118	0.0004	0.0019	-0.0010
angle:	39512	382423.61	-0.1181	0.2898	-0.2120	0.0004	0.0020	-0.0012
angle:	39513	382430.73	-0.1180	0.2905	-0.2124	0.0005	0.0027	-0.0016
angle:	39514	382437.71	-0.1179	0.2900	-0.2121	0.0006	0.0022	-0.0013
angle:	39515	382444.65	-0.1182	0.2903	-0.2123	0.0003	0.0025	-0.0014
angle:	39516	382451.67	-0.1180	0.2902	-0.2124	0.0005	0.0024	-0.0016
angle:	39517	382458.93	-0.1180	0.2900	-0.2124	0.0005	0.0022	-0.0016
angle:	39518	382466.25	-0.1178	0.2901	-0.2123	0.0006	0.0022	-0.0015
angle:	39519	382473.33	-0.1182	0.2893	-0.2121	0.0003	0.0014	-0.0013
angle:	39520	382480.43	-0.1181	0.2900	-0.2122	0.0003	0.0022	-0.0013
angle:	39521	382487.66	-0.1181	0.2899	-0.2128	0.0003	0.0020	-0.0020

angle:	39522	382494.92	-0.1186	0.2897	-0.2127	-0.0002	0.0019	-0.0019
angle:	39523	382502.20	-0.1183	0.2895	-0.2127	0.0001	0.0017	-0.0019
angle:	39524	382509.52	-0.1186	0.2896	-0.2130	-0.0001	0.0018	-0.0021
angle:	39525	382516.98	-0.1185	0.2897	-0.2124	-0.0001	0.0019	-0.0016
angle:	39526	382524.21	-0.1181	0.2890	-0.2124	0.0003	0.0012	-0.0016
angle:	39527	382531.33	-0.1185	0.2893	-0.2126	0.0000	0.0014	-0.0018
angle:	39528	382538.42	-0.1189	0.2897	-0.2129	-0.0004	0.0019	-0.0021
angle:	39529	382545.54	-0.1193	0.2893	-0.2126	-0.0009	0.0015	-0.0018
angle:	39530	382552.76	-0.1189	0.2891	-0.2126	-0.0004	0.0013	-0.0018
angle:	39531	382560.03	-0.1190	0.2888	-0.2133	-0.0005	0.0010	-0.0025
angle:	39532	382567.24	-0.1192	0.2896	-0.2135	-0.0007	0.0018	-0.0027
angle:	39533	382574.58	-0.1191	0.2892	-0.2135	-0.0007	0.0014	-0.0027
angle:	39534	382582.06	-0.1196	0.2896	-0.2137	-0.0011	0.0018	-0.0029
angle:	39535	382589.48	-0.1191	0.2894	-0.2136	-0.0007	0.0015	-0.0028
angle:	39536	382596.88	-0.1193	0.2892	-0.2135	-0.0008	0.0014	-0.0027
angle:	39537	382604.29	-0.1191	0.2891	-0.2136	-0.0007	0.0013	-0.0027
angle:	39538	382611.70	-0.1196	0.2894	-0.2138	-0.0012	0.0016	-0.0030
angle:	39539	382619.19	-0.1193	0.2889	-0.2135	-0.0008	0.0011	-0.0027
angle:	39540	382626.75	-0.1199	0.2897	-0.2143	-0.0014	0.0019	-0.0035
angle:	39541	382634.30	-0.1198	0.2897	-0.2145	-0.0013	0.0019	-0.0037
angle:	39542	382641.97	-0.1193	0.2899	-0.2143	-0.0008	0.0021	-0.0035
angle:	39543	382649.67	-0.1193	0.2901	-0.2145	-0.0009	0.0023	-0.0037
angle:	39544	382657.58	-0.1197	0.2900	-0.2146	-0.0012	0.0022	-0.0038
angle:	39545	382665.63	-0.1197	0.2897	-0.2148	-0.0012	0.0019	-0.0040
angle:	39546	382673.65	-0.1193	0.2900	-0.2150	-0.0009	0.0021	-0.0042
angle:	39547	382681.74	-0.1194	0.2900	-0.2155	-0.0009	0.0022	-0.0047
angle:	39548	382690.18	-0.1187	0.2897	-0.2157	-0.0002	0.0019	-0.0049
angle:	39549	382698.63	-0.1185	0.2900	-0.2160	0.0000	0.0022	-0.0052
angle:	39550	382707.22	-0.1182	0.2899	-0.2157	0.0003	0.0020	-0.0049
angle:	39551	382715.84	-0.1182	0.2900	-0.2154	0.0002	0.0021	-0.0046
angle:	39552	382724.37	-0.1182	0.2899	-0.2154	0.0003	0.0021	-0.0046
angle:	39553	382732.70	-0.1181	0.2901	-0.2148	0.0003	0.0023	-0.0040
angle:	39554	382740.86	-0.1181	0.2895	-0.2149	0.0003	0.0017	-0.0040
angle:	39555	382748.97	-0.1179	0.2889	-0.2146	0.0005	0.0011	-0.0038
angle:	39556	382756.95	-0.1183	0.2887	-0.2141	0.0001	0.0009	-0.0033
angle:	39557	382764.71	-0.1186	0.2885	-0.2142	-0.0002	0.0006	-0.0034
angle:	39558	382772.41	-0.1187	0.2882	-0.2146	-0.0002	0.0003	-0.0038
angle:	39474	381898.78	-0.1150	0.2896	-0.2146	0.0034	0.0018	-0.0037
angle:	39475	381907.55	-0.1146	0.2894	-0.2145	0.0039	0.0015	-0.0037
angle:	39476	381916.38	-0.1145	0.2898	-0.2141	0.0039	0.0020	-0.0033
angle:	39477	381925.29	-0.1143	0.2901	-0.2139	0.0042	0.0022	-0.0030
angle:	39478	381934.28	-0.1145	0.2898	-0.2136	0.0040	0.0020	-0.0028
angle:	39479	381943.29	-0.1144	0.2897	-0.2136	0.0040	0.0019	-0.0028
angle:	39480	381952.40	-0.1144	0.2893	-0.2134	0.0041	0.0015	-0.0026
angle:	39481	381961.63	-0.1145	0.2896	-0.2136	0.0040	0.0017	-0.0028
angle:	39482	381970.92	-0.1148	0.2892	-0.2140	0.0037	0.0014	-0.0032
angle:	39483	381980.63	-0.1143	0.2886	-0.2146	0.0042	0.0007	-0.0038
angle:	39484	381990.72	-0.1141	0.2884	-0.2145	0.0043	0.0006	-0.0037
angle:	39485	382000.67	-0.1138	0.2879	-0.2147	0.0047	0.0001	-0.0039
angle:	39467	381372.76	-0.1132	0.2918	-0.2104	0.0052	0.0039	0.0004
angle:	39468	381382.02	-0.1138	0.2915	-0.2108	0.0047	0.0036	0.0000
angle:	39469	381391.39	-0.1132	0.2913	-0.2111	0.0053	0.0035	-0.0003
angle:	39470	381401.03	-0.1136	0.2909	-0.2114	0.0048	0.0030	-0.0006
angle:	39471	381410.85	-0.1132	0.2909	-0.2114	0.0052	0.0031	-0.0006
angle:	39472	381420.72	-0.1128	0.2903	-0.2118	0.0057	0.0025	-0.0010
angle:	39473	381430.49	-0.1125	0.2904	-0.2122	0.0059	0.0025	-0.0014

Average Boresight Angles:

Roll: -0.1185 deg
Pitch: 0.2878 deg
Yaw: -0.2108 deg

Boresight Angle RMS:

Roll: 0.0019 deg
Pitch: 0.0015 deg
Yaw: 0.0024 deg

Success!!
Boresight Calculation finished