
AEROoffice V5.6.0 2018-03-06
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Dongle-ID: 3-3541217

Boresight Misalignment Calculations
09/10/2023 20:00:10

Project: Pol-Cal2023 PH-SVY Eagle M3-Imu Iif GALICIA
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
219 usable events found

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

219 events with matching eventnumbers found.

Postion offset for the single events [m]:

	number	time	east	north	alt	d east	d north	d alt
position:	1776	483519.21	-0.034	0.141	0.095	-0.014	0.143	0.046
position:	1777	483522.06	-0.020	0.146	0.019	0.000	0.148	-0.030
position:	1778	483524.92	-0.041	0.103	0.069	-0.021	0.105	0.020
position:	1779	483527.79	-0.050	0.115	0.048	-0.030	0.117	-0.001
position:	1780	483530.68	-0.017	0.154	0.048	0.003	0.156	-0.001
position:	1781	483533.56	-0.016	0.114	0.018	0.004	0.117	-0.031
position:	1782	483536.43	-0.024	0.084	0.050	-0.005	0.086	0.001
position:	1783	483539.29	-0.067	0.111	0.032	-0.047	0.113	-0.017
position:	1784	483542.14	-0.053	0.131	0.048	-0.033	0.133	-0.001
position:	1785	483545.00	-0.065	0.109	0.019	-0.046	0.111	-0.030
position:	1786	483547.87	-0.051	0.089	0.070	-0.031	0.092	0.021
position:	1787	483693.56	0.035	-0.103	0.063	0.054	-0.100	0.014
position:	1788	483697.07	-0.013	-0.119	0.081	0.007	-0.117	0.032
position:	1789	483700.55	0.009	-0.085	0.068	0.029	-0.083	0.019
position:	1790	483704.02	0.008	-0.067	0.034	0.028	-0.065	-0.015
position:	1791	483707.53	0.034	-0.110	0.037	0.053	-0.108	-0.012
position:	1792	483711.05	0.027	-0.088	0.048	0.046	-0.086	-0.001
position:	1793	483714.57	0.026	-0.095	0.021	0.046	-0.093	-0.028
position:	1794	483718.09	0.055	-0.118	0.059	0.075	-0.116	0.010
position:	1795	483721.59	0.096	-0.089	0.085	0.115	-0.087	0.036
position:	1796	483725.11	0.077	-0.092	0.086	0.096	-0.090	0.037
position:	1797	483728.63	0.036	-0.103	0.083	0.055	-0.101	0.034
position:	1798	483879.32	0.090	0.050	0.065	0.109	0.053	0.016
position:	1799	483882.78	0.091	0.017	0.083	0.111	0.019	0.034
position:	1800	483886.28	0.077	0.041	0.075	0.097	0.043	0.026
position:	1801	483889.80	0.117	-0.003	0.057	0.136	-0.001	0.008
position:	1802	483893.32	0.070	-0.007	0.075	0.090	-0.005	0.026
position:	1803	483896.80	0.068	0.013	0.040	0.088	0.015	-0.009
position:	1804	483900.27	0.068	0.017	0.022	0.087	0.019	-0.027
position:	1805	483903.74	0.051	0.045	0.001	0.071	0.048	-0.048
position:	1806	483907.22	0.095	0.048	0.016	0.115	0.050	-0.033
position:	1807	483910.73	0.125	0.039	0.021	0.144	0.041	-0.028
position:	1808	483914.25	0.128	0.076	0.062	0.148	0.078	0.013
position:	1809	483917.75	0.084	0.054	0.058	0.104	0.056	0.009
position:	1810	483921.22	0.104	0.074	0.090	0.123	0.076	0.041
position:	1811	483924.65	0.110	0.080	0.062	0.129	0.082	0.013
position:	1812	483928.05	0.110	0.067	0.002	0.130	0.069	-0.047
position:	1813	483931.43	0.098	0.046	0.067	0.118	0.048	0.018
position:	1814	484033.48	-0.112	-0.037	0.087	-0.092	-0.035	0.038
position:	1815	484037.05	-0.110	-0.038	0.011	-0.090	-0.036	-0.038
position:	1816	484040.58	-0.135	-0.040	0.002	-0.115	-0.038	-0.047

position:	1817	484044.13	-0.111	-0.051	0.070	-0.092	-0.049	0.021
position:	1818	484047.73	-0.087	-0.003	0.078	-0.068	0.000	0.029
position:	1819	484051.33	-0.062	-0.039	0.025	-0.042	-0.037	-0.024
position:	1820	484054.89	-0.059	-0.036	0.023	-0.040	-0.034	-0.026
position:	1821	484058.38	-0.083	-0.021	0.075	-0.063	-0.019	0.026
position:	1822	484061.79	-0.089	-0.025	0.018	-0.069	-0.023	-0.031
position:	1823	484065.21	-0.086	-0.029	0.096	-0.066	-0.027	0.047
position:	1824	484068.64	-0.074	-0.041	0.010	-0.055	-0.039	-0.039
position:	1825	484072.09	-0.060	-0.045	0.007	-0.040	-0.043	-0.042
position:	1826	484075.55	-0.072	-0.035	0.031	-0.052	-0.033	-0.018
position:	1827	484079.01	-0.086	-0.073	0.067	-0.066	-0.071	0.018
position:	1828	484082.47	-0.104	-0.043	0.015	-0.084	-0.041	-0.034
position:	1829	484085.92	-0.095	-0.060	0.023	-0.075	-0.058	-0.026
position:	1830	484230.28	0.010	-0.105	0.007	0.029	-0.103	-0.042
position:	1831	484233.81	-0.020	-0.094	0.099	0.000	-0.091	0.050
position:	1832	484237.30	0.058	-0.092	0.071	0.077	-0.090	0.022
position:	1833	484240.80	0.080	-0.039	0.080	0.100	-0.037	0.031
position:	1834	484244.33	0.050	-0.092	0.057	0.069	-0.090	0.008
position:	1835	484247.89	0.035	-0.098	0.076	0.054	-0.096	0.027
position:	1836	484251.42	0.016	-0.064	0.070	0.036	-0.062	0.021
position:	1837	484254.93	0.041	-0.060	0.099	0.061	-0.058	0.050
position:	1838	484258.41	0.044	-0.035	0.023	0.064	-0.033	-0.026
position:	1839	484261.88	0.027	-0.081	0.034	0.047	-0.079	-0.015
position:	1840	484265.35	0.056	-0.078	0.061	0.076	-0.076	0.012
position:	1841	484386.38	-0.039	0.094	0.073	-0.019	0.096	0.024
position:	1842	484389.44	-0.038	0.109	0.018	-0.019	0.111	-0.031
position:	1843	484392.50	0.013	0.082	0.061	0.032	0.084	0.012
position:	1844	484395.57	-0.034	0.087	0.016	-0.015	0.089	-0.033
position:	1845	484398.64	-0.050	0.056	0.064	-0.030	0.058	0.015
position:	1846	484401.71	-0.064	0.053	0.015	-0.044	0.055	-0.034
position:	1847	484404.78	-0.079	0.083	0.035	-0.059	0.085	-0.014
position:	1848	484407.83	-0.083	0.083	0.039	-0.063	0.085	-0.010
position:	1849	484410.86	-0.044	0.099	0.048	-0.025	0.101	-0.001
position:	1850	484413.88	-0.102	0.085	0.077	-0.082	0.087	0.028
position:	1851	484416.90	-0.057	0.065	0.068	-0.037	0.067	0.019
position:	1852	484566.24	-0.113	-0.042	0.024	-0.094	-0.040	-0.025
position:	1853	484569.55	-0.101	-0.064	0.014	-0.082	-0.062	-0.035
position:	1854	484572.83	-0.048	-0.038	0.090	-0.028	-0.036	0.041
position:	1855	484576.10	-0.094	-0.045	0.071	-0.074	-0.043	0.022
position:	1856	484579.36	-0.073	0.006	0.023	-0.054	0.009	-0.026
position:	1857	484582.62	-0.093	-0.046	0.098	-0.073	-0.044	0.049
position:	1858	484585.87	-0.103	-0.049	0.023	-0.084	-0.047	-0.026
position:	1859	484589.09	-0.076	-0.048	0.092	-0.057	-0.046	0.043
position:	1860	484592.30	-0.085	-0.036	0.051	-0.065	-0.034	0.002
position:	1861	484595.50	-0.065	-0.031	0.010	-0.046	-0.029	-0.039
position:	1862	484598.72	-0.068	-0.047	0.086	-0.048	-0.045	0.037
position:	1863	484601.95	-0.068	-0.042	0.097	-0.049	-0.040	0.048
position:	1864	484605.17	-0.068	-0.059	0.002	-0.048	-0.057	-0.047
position:	1865	484608.38	-0.077	-0.048	0.004	-0.058	-0.046	-0.045
position:	1866	484611.59	-0.057	-0.039	0.023	-0.037	-0.037	-0.026
position:	1867	484614.80	-0.051	-0.084	0.004	-0.031	-0.082	-0.045
position:	1868	484803.61	-0.013	0.057	0.080	0.007	0.059	0.031
position:	1869	484806.66	-0.033	0.051	0.077	-0.013	0.053	0.028
position:	1870	484809.72	-0.030	0.059	0.060	-0.011	0.061	0.011
position:	1871	484812.77	-0.007	0.093	0.056	0.013	0.095	0.007
position:	1872	484815.79	-0.036	0.055	0.035	-0.016	0.057	-0.014
position:	1873	484818.77	-0.034	0.080	0.018	-0.015	0.083	-0.031
position:	1874	484821.76	-0.010	0.067	0.003	0.010	0.069	-0.046
position:	1875	484824.75	-0.057	0.057	0.086	-0.038	0.059	0.037
position:	1876	484827.72	-0.086	0.048	0.006	-0.066	0.050	-0.043
position:	1877	484830.68	-0.054	0.026	0.094	-0.034	0.028	0.045
position:	1878	484833.64	-0.058	0.051	0.017	-0.038	0.053	-0.032
position:	1879	484989.97	-0.064	-0.052	0.098	-0.045	-0.050	0.049
position:	1880	484993.22	-0.068	-0.041	0.031	-0.048	-0.038	-0.018
position:	1881	484996.44	-0.103	-0.046	0.001	-0.083	-0.044	-0.048
position:	1882	484999.63	-0.095	-0.044	0.029	-0.075	-0.042	-0.020
position:	1883	485002.80	-0.106	-0.018	0.078	-0.086	-0.016	0.029
position:	1884	485005.99	-0.075	-0.033	0.035	-0.056	-0.031	-0.014
position:	1885	485009.18	-0.077	-0.054	0.035	-0.058	-0.052	-0.014
position:	1886	485012.37	-0.094	-0.033	0.016	-0.074	-0.031	-0.033
position:	1887	485015.57	-0.102	-0.027	0.093	-0.083	-0.025	0.044
position:	1888	485018.78	-0.044	-0.038	0.094	-0.025	-0.036	0.045
position:	1889	485022.00	-0.088	-0.049	0.000	-0.068	-0.047	-0.049
position:	1890	485025.23	-0.063	-0.070	0.092	-0.043	-0.068	0.043
position:	1891	485028.46	-0.038	-0.048	0.023	-0.018	-0.046	-0.026
position:	1892	485031.68	-0.045	-0.064	0.081	-0.025	-0.062	0.032
position:	1893	485034.87	-0.013	-0.080	0.058	0.006	-0.078	0.009
position:	1894	485038.04	-0.067	-0.086	0.032	-0.047	-0.084	-0.017
position:	1895	485181.64	0.081	-0.008	0.082	0.100	-0.006	0.033
position:	1896	485184.94	0.085	-0.010	0.069	0.105	-0.008	0.020
position:	1897	485188.24	0.088	-0.010	0.004	0.107	-0.008	-0.045
position:	1898	485191.54	0.061	0.017	0.045	0.080	0.019	-0.004
position:	1899	485194.85	0.063	0.028	0.035	0.083	0.030	-0.014
position:	1900	485198.17	0.040	0.019	0.052	0.060	0.021	0.003
position:	1901	485201.49	0.081	0.030	0.054	0.100	0.032	0.005
position:	1902	485204.79	0.027	0.034	0.040	0.046	0.036	-0.009
position:	1903	485208.06	0.053	0.073	0.024	0.073	0.075	-0.025
position:	1904	485211.30	0.024	0.075	0.037	0.044	0.077	-0.012
position:	1905	485214.52	0.061	0.075	0.025	0.081	0.077	-0.024
position:	1906	485217.77	0.069	0.046	0.012	0.088	0.048	-0.037
position:	1907	485221.07	0.060	0.032	0.023	0.080	0.034	-0.026
position:	1908	485224.40	0.102	0.009	0.006	0.121	0.011	-0.043

position:	1909	485227.73	0.101	0.046	0.027	0.121	0.048	-0.022
position:	1910	485231.02	0.112	0.037	0.098	0.131	0.039	0.049
position:	1919	486377.31	0.129	0.007	0.086	0.148	0.009	0.037
position:	1920	486382.35	0.092	0.022	0.052	0.111	0.024	0.003
position:	1921	486387.30	0.102	0.020	0.073	0.122	0.022	0.024
position:	1922	486392.28	0.003	-0.012	0.013	0.023	-0.010	-0.036
position:	1923	486397.37	0.009	0.020	0.026	0.029	0.022	-0.023
position:	1924	486402.50	0.066	-0.011	0.012	0.086	-0.009	-0.037
position:	1925	486407.59	-0.016	0.034	0.082	0.004	0.036	0.033
position:	1926	486412.68	0.008	0.043	0.093	0.027	0.045	0.044
position:	1927	486417.75	0.087	0.034	0.060	0.107	0.036	0.011
position:	1928	486422.76	0.009	0.028	0.016	0.029	0.031	-0.033
position:	1929	486427.73	0.034	0.085	0.091	0.053	0.087	0.042
position:	1930	486432.66	0.041	0.090	0.080	0.060	0.092	0.031
position:	1931	486437.65	-0.019	0.107	0.091	0.001	0.109	0.042
position:	1932	486442.73	0.087	0.019	0.049	0.107	0.021	0.000
position:	1933	486447.79	0.118	0.015	0.054	0.138	0.017	0.005
position:	1934	486452.82	0.109	0.036	0.082	0.129	0.038	0.033
position:	1935	486457.89	0.084	0.076	0.029	0.104	0.079	-0.020
position:	1936	486561.76	-0.076	-0.065	0.092	-0.057	-0.062	0.043
position:	1937	486566.50	-0.112	0.013	0.016	-0.092	0.015	-0.033
position:	1938	486571.24	-0.094	-0.032	0.034	-0.075	-0.030	-0.015
position:	1939	486575.97	-0.112	0.087	0.044	-0.093	0.089	-0.005
position:	1940	486580.71	-0.073	-0.029	0.080	-0.053	-0.027	0.031
position:	1941	486585.43	-0.113	0.044	0.027	-0.093	0.046	-0.022
position:	1942	486590.10	-0.102	0.022	0.071	-0.082	0.024	0.022
position:	1943	486594.75	-0.068	0.002	0.065	-0.049	0.004	0.016
position:	1944	486599.41	-0.067	-0.047	0.091	-0.048	-0.045	0.042
position:	1945	486604.13	-0.189	-0.026	0.086	-0.169	-0.024	0.037
position:	1946	486608.86	-0.114	-0.057	0.074	-0.094	-0.055	0.025
position:	1947	486613.57	-0.116	-0.079	0.026	-0.096	-0.077	-0.023
position:	1948	486618.26	-0.069	-0.061	0.058	-0.050	-0.059	0.009
position:	1949	486622.89	-0.094	-0.060	0.017	-0.074	-0.058	-0.032
position:	1950	486627.50	-0.070	-0.043	0.032	-0.050	-0.041	-0.017
position:	1951	486632.13	-0.117	-0.057	0.037	-0.097	-0.055	-0.012
position:	1952	486636.76	-0.059	-0.080	0.071	-0.039	-0.078	0.022
position:	1953	486807.68	-0.011	-0.160	0.003	0.009	-0.157	-0.046
position:	1954	486812.96	-0.033	-0.070	0.090	-0.013	-0.068	0.041
position:	1955	486818.24	-0.094	-0.104	0.080	-0.075	-0.102	0.031
position:	1956	486823.48	0.037	-0.126	0.012	0.057	-0.124	-0.037
position:	1957	486828.69	0.023	-0.064	0.042	0.043	-0.062	-0.007
position:	1958	486834.00	0.005	-0.153	0.035	0.025	-0.151	-0.014
position:	1959	486839.38	0.072	-0.061	0.077	0.091	-0.059	0.028
position:	1960	486844.69	0.110	-0.009	0.095	0.130	-0.007	0.046
position:	1961	486849.96	0.080	0.011	0.069	0.100	0.013	0.020
position:	1962	486855.23	0.118	0.011	0.025	0.137	0.013	-0.024
position:	1963	486860.48	0.088	-0.001	0.039	0.107	0.001	-0.010
position:	1964	486967.78	-0.021	0.072	0.058	-0.001	0.074	0.009
position:	1965	486972.14	0.043	0.052	0.054	0.063	0.054	0.005
position:	1966	486976.45	-0.010	0.004	0.038	0.010	0.006	-0.011
position:	1967	486980.75	-0.032	0.063	0.012	-0.012	0.066	-0.037
position:	1968	486985.04	-0.033	0.023	0.018	-0.013	0.025	-0.031
position:	1969	486989.36	-0.027	0.023	0.029	-0.008	0.025	-0.020
position:	1970	486993.70	-0.101	0.094	0.035	-0.082	0.096	-0.014
position:	1971	486998.03	-0.079	0.063	0.092	-0.059	0.065	0.043
position:	1972	487002.36	-0.183	0.103	0.049	-0.163	0.105	0.000
position:	1973	487006.70	-0.109	0.092	0.053	-0.090	0.094	0.004
position:	1974	487011.04	-0.096	0.091	0.035	-0.077	0.093	-0.014
position:	1975	487181.57	-0.071	-0.065	0.017	-0.051	-0.063	-0.032
position:	1976	487186.19	-0.055	-0.101	0.067	-0.035	-0.099	0.018
position:	1977	487190.83	-0.206	-0.005	0.010	-0.186	-0.003	-0.039
position:	1978	487195.49	-0.059	-0.016	0.064	-0.039	-0.013	0.015
position:	1979	487200.12	-0.069	0.002	0.090	-0.049	0.004	0.041
position:	1980	487204.72	-0.034	-0.027	0.078	-0.014	-0.024	0.029
position:	1981	487209.31	0.007	0.022	0.078	0.027	0.024	0.029
position:	1982	487213.89	-0.016	-0.004	0.020	0.004	-0.002	-0.029
position:	1983	487218.43	-0.052	-0.026	0.041	-0.032	-0.024	-0.008
position:	1984	487222.99	0.015	0.023	0.022	0.035	0.025	-0.027
position:	1985	487227.51	-0.064	-0.107	0.020	-0.045	-0.105	-0.029
position:	1986	487232.01	-0.053	-0.061	0.073	-0.033	-0.059	0.024
position:	1987	487236.53	-0.060	-0.089	0.098	-0.041	-0.087	0.049
position:	1988	487241.12	-0.076	-0.048	0.075	-0.056	-0.046	0.026
position:	1989	487245.68	-0.072	-0.079	0.079	-0.052	-0.077	0.030
position:	1990	487250.22	-0.047	-0.049	0.082	-0.028	-0.047	0.033
position:	1991	487254.71	-0.081	-0.054	0.005	-0.061	-0.052	-0.044
position:	1992	487467.29	-0.021	0.036	0.050	-0.002	0.038	0.001
position:	1993	487471.60	0.009	0.047	0.033	0.028	0.049	-0.016
position:	1994	487475.88	0.071	-0.014	0.034	0.091	-0.012	-0.015
position:	1995	487480.15	0.047	-0.012	0.009	0.067	-0.010	-0.040
position:	1996	487484.39	-0.070	0.030	0.017	-0.050	0.032	-0.032
position:	1997	487488.66	-0.055	0.037	0.044	-0.036	0.039	-0.005
position:	1998	487492.96	-0.096	-0.017	0.028	-0.077	-0.015	-0.021
position:	1999	487497.27	-0.087	-0.013	0.060	-0.068	-0.010	0.011
position:	2000	487501.55	-0.090	0.006	0.070	-0.070	0.008	0.021
position:	2001	487505.81	-0.104	-0.008	0.023	-0.084	-0.006	-0.026
position:	2002	487510.07	-0.097	0.067	0.000	-0.077	0.069	-0.049

Average position offset:
 East: -0.020 m
 North: -0.002 m
 Alt: 0.048 m

Position offset RMS:
East: 0.073 m
North: 0.065 m
Alt: 0.026 m

Misalignment angles for the single events [deg]:

	number	time	roll	pitch	yaw	d roll	d pitch	d yaw
angle:	1776	483519.21	-0.1157	0.2897	-0.2075	-0.0017	0.0004	0.0007
angle:	1777	483522.06	-0.1150	0.2898	-0.2071	-0.0010	0.0005	0.0012
angle:	1778	483524.92	-0.1140	0.2904	-0.2072	0.0000	0.0011	0.0011
angle:	1779	483527.79	-0.1147	0.2909	-0.2071	-0.0007	0.0016	0.0012
angle:	1780	483530.68	-0.1152	0.2900	-0.2076	-0.0012	0.0007	0.0007
angle:	1781	483533.56	-0.1133	0.2909	-0.2072	0.0007	0.0017	0.0011
angle:	1782	483536.43	-0.1124	0.2914	-0.2075	0.0016	0.0021	0.0008
angle:	1783	483539.29	-0.1136	0.2926	-0.2079	0.0004	0.0034	0.0003
angle:	1784	483542.14	-0.1136	0.2931	-0.2077	0.0004	0.0038	0.0005
angle:	1785	483545.00	-0.1127	0.2935	-0.2083	0.0012	0.0042	-0.0001
angle:	1786	483547.87	-0.1119	0.2933	-0.2085	0.0021	0.0040	-0.0002
angle:	1787	483549.56	-0.1144	0.2887	-0.2107	-0.0004	-0.0006	-0.0024
angle:	1788	483549.07	-0.1146	0.2878	-0.2108	-0.0006	-0.0015	-0.0026
angle:	1789	483700.55	-0.1137	0.2887	-0.2108	-0.0003	-0.0006	-0.0026
angle:	1790	483704.02	-0.1126	0.2896	-0.2100	0.0014	0.0003	-0.0018
angle:	1791	483707.53	-0.1151	0.2901	-0.2109	-0.0011	0.0008	-0.0026
angle:	1792	483711.05	-0.1144	0.2906	-0.2117	-0.0004	0.0014	-0.0035
angle:	1793	483714.57	-0.1145	0.2913	-0.2118	-0.0005	0.0020	-0.0036
angle:	1794	483718.09	-0.1148	0.2926	-0.2119	-0.0008	0.0033	-0.0036
angle:	1795	483721.59	-0.1134	0.2941	-0.2123	0.0006	0.0048	-0.0040
angle:	1796	483725.11	-0.1137	0.2939	-0.2127	0.0003	0.0046	-0.0045
angle:	1797	483728.63	-0.1135	0.2932	-0.2135	0.0005	0.0039	-0.0052
angle:	1798	483879.32	-0.1124	0.2902	-0.2094	0.0016	0.0009	-0.0011
angle:	1799	483882.78	-0.1134	0.2896	-0.2099	0.0006	0.0003	-0.0016
angle:	1800	483886.28	-0.1128	0.2903	-0.2100	0.0012	0.0010	-0.0017
angle:	1801	483889.80	-0.1142	0.2887	-0.2105	-0.0002	-0.0006	-0.0022
angle:	1802	483893.32	-0.1126	0.2891	-0.2111	0.0014	-0.0002	-0.0029
angle:	1803	483896.80	-0.1121	0.2899	-0.2105	0.0019	0.0006	-0.0022
angle:	1804	483900.27	-0.1129	0.2907	-0.2105	0.0011	0.0015	-0.0022
angle:	1805	483903.74	-0.1128	0.2917	-0.2101	0.0012	0.0025	-0.0018
angle:	1806	483907.22	-0.1149	0.2920	-0.2106	-0.0009	0.0027	-0.0023
angle:	1807	483910.73	-0.1163	0.2922	-0.2117	-0.0023	0.0030	-0.0034
angle:	1808	483914.25	-0.1163	0.2929	-0.2118	-0.0023	0.0036	-0.0035
angle:	1809	483917.75	-0.1148	0.2927	-0.2117	-0.0008	0.0034	-0.0035
angle:	1810	483921.22	-0.1151	0.2932	-0.2118	-0.0011	0.0039	-0.0036
angle:	1811	483924.65	-0.1158	0.2931	-0.2116	-0.0018	0.0038	-0.0033
angle:	1812	483928.05	-0.1154	0.2928	-0.2115	-0.0014	0.0035	-0.0032
angle:	1813	483931.43	-0.1144	0.2930	-0.2115	-0.0004	0.0037	-0.0033
angle:	1814	484033.48	-0.1150	0.2890	-0.2034	-0.0010	-0.0002	0.0048
angle:	1815	484037.05	-0.1142	0.2889	-0.2040	-0.0003	-0.0004	0.0043
angle:	1816	484040.58	-0.1132	0.2899	-0.2041	0.0008	0.0007	0.0042
angle:	1817	484044.13	-0.1143	0.2901	-0.2035	-0.0003	0.0009	0.0047
angle:	1818	484047.73	-0.1142	0.2899	-0.2043	-0.0002	0.0006	0.0039
angle:	1819	484051.33	-0.1140	0.2907	-0.2049	0.0000	0.0014	0.0034
angle:	1820	484054.89	-0.1144	0.2906	-0.2043	-0.0004	0.0013	0.0039
angle:	1821	484058.38	-0.1142	0.2903	-0.2053	-0.0002	0.0010	0.0030
angle:	1822	484061.79	-0.1150	0.2912	-0.2053	-0.0010	0.0020	0.0029
angle:	1823	484065.21	-0.1147	0.2916	-0.2052	-0.0007	0.0023	0.0031
angle:	1824	484068.64	-0.1148	0.2919	-0.2050	-0.0008	0.0027	0.0032
angle:	1825	484072.09	-0.1145	0.2924	-0.2062	-0.0005	0.0031	0.0021
angle:	1826	484075.55	-0.1152	0.2921	-0.2061	-0.0012	0.0028	0.0021
angle:	1827	484079.01	-0.1149	0.2928	-0.2062	-0.0009	0.0035	0.0021
angle:	1828	484082.47	-0.1152	0.2923	-0.2066	-0.0012	0.0031	0.0016
angle:	1829	484085.92	-0.1140	0.2929	-0.2068	0.0000	0.0037	0.0014
angle:	1830	484230.28	-0.1143	0.2878	-0.2081	-0.0003	-0.0015	0.0002
angle:	1831	484233.81	-0.1132	0.2874	-0.2076	0.0007	-0.0019	0.0006
angle:	1832	484237.30	-0.1125	0.2900	-0.2078	0.0015	0.0008	0.0005
angle:	1833	484240.80	-0.1116	0.2910	-0.2077	0.0024	0.0017	0.0005
angle:	1834	484244.33	-0.1117	0.2910	-0.2073	0.0023	0.0017	0.0009
angle:	1835	484247.89	-0.1124	0.2912	-0.2080	0.0016	0.0019	0.0003
angle:	1836	484251.42	-0.1126	0.2908	-0.2080	0.0014	0.0015	0.0003
angle:	1837	484254.93	-0.1116	0.2919	-0.2080	0.0024	0.0026	0.0002
angle:	1838	484258.41	-0.1116	0.2921	-0.2081	0.0024	0.0028	0.0001
angle:	1839	484261.88	-0.1131	0.2920	-0.2091	0.0009	0.0028	-0.0008
angle:	1840	484265.35	-0.1120	0.2930	-0.2088	0.0020	0.0038	-0.0006
angle:	1841	484386.38	-0.1150	0.2887	-0.2095	-0.0010	-0.0005	-0.0012
angle:	1842	484389.44	-0.1143	0.2889	-0.2094	-0.0004	-0.0003	-0.0011
angle:	1843	484392.50	-0.1143	0.2882	-0.2098	-0.0003	-0.0010	-0.0016
angle:	1844	484395.57	-0.1134	0.2900	-0.2100	0.0005	0.0007	-0.0017
angle:	1845	484398.64	-0.1127	0.2908	-0.2103	0.0013	0.0016	-0.0020
angle:	1846	484401.71	-0.1124	0.2914	-0.2101	0.0016	0.0021	-0.0018
angle:	1847	484404.78	-0.1138	0.2922	-0.2106	0.0002	0.0030	-0.0024
angle:	1848	484407.83	-0.1127	0.2929	-0.2106	0.0013	0.0037	-0.0023
angle:	1849	484410.86	-0.1127	0.2922	-0.2107	0.0012	0.0030	-0.0024
angle:	1850	484413.88	-0.1125	0.2942	-0.2108	0.0015	0.0049	-0.0026
angle:	1851	484416.90	-0.1110	0.2933	-0.2115	0.0030	0.0040	-0.0033
angle:	1852	484566.24	-0.1119	0.2887	-0.2029	0.0021	-0.0006	0.0053
angle:	1853	484569.55	-0.1115	0.2892	-0.2033	0.0024	-0.0001	0.0049
angle:	1854	484572.83	-0.1110	0.2889	-0.2036	0.0030	-0.0004	0.0047
angle:	1855	484576.10	-0.1135	0.2893	-0.2034	0.0005	0.0001	0.0049
angle:	1856	484579.36	-0.1126	0.2878	-0.2027	0.0014	-0.0015	0.0056
angle:	1857	484582.62	-0.1144	0.2896	-0.2031	-0.0004	0.0004	0.0052
angle:	1858	484585.87	-0.1153	0.2900	-0.2029	-0.0013	0.0007	0.0053

angle:	1859	484589.09	-0.1144	0.2909	-0.2029	-0.0004	0.0017	0.0053
angle:	1860	484592.30	-0.1138	0.2909	-0.2023	0.0002	0.0016	0.0059
angle:	1861	484595.50	-0.1141	0.2907	-0.2025	-0.0001	0.0014	0.0057
angle:	1862	484598.72	-0.1144	0.2915	-0.2028	-0.0004	0.0022	0.0055
angle:	1863	484601.95	-0.1149	0.2917	-0.2023	-0.0009	0.0025	0.0059
angle:	1864	484605.17	-0.1149	0.2922	-0.2020	-0.0009	0.0029	0.0062
angle:	1865	484608.38	-0.1158	0.2919	-0.2029	-0.0018	0.0027	0.0054
angle:	1866	484611.59	-0.1151	0.2919	-0.2025	-0.0011	0.0027	0.0057
angle:	1867	484614.80	-0.1148	0.2928	-0.2026	-0.0008	0.0036	0.0057
angle:	1868	484803.61	-0.1165	0.2884	-0.2134	-0.0025	-0.0008	-0.0051
angle:	1869	484806.66	-0.1146	0.2891	-0.2129	-0.0006	-0.0002	-0.0046
angle:	1870	484809.72	-0.1153	0.2889	-0.2131	-0.0013	-0.0004	-0.0049
angle:	1871	484812.77	-0.1156	0.2882	-0.2136	-0.0016	-0.0011	-0.0054
angle:	1872	484815.79	-0.1134	0.2902	-0.2135	0.0005	0.0009	-0.0052
angle:	1873	484818.77	-0.1135	0.2913	-0.2132	0.0005	0.0020	-0.0050
angle:	1874	484821.76	-0.1139	0.2908	-0.2140	0.0001	0.0015	-0.0058
angle:	1875	484824.75	-0.1133	0.2925	-0.2140	0.0007	0.0033	-0.0058
angle:	1876	484827.72	-0.1125	0.2941	-0.2141	0.0015	0.0048	-0.0058
angle:	1877	484830.68	-0.1118	0.2936	-0.2139	0.0022	0.0044	-0.0057
angle:	1878	484833.64	-0.1122	0.2940	-0.2145	0.0018	0.0048	-0.0062
angle:	1879	484989.97	-0.1129	0.2891	-0.2114	0.0010	-0.0001	-0.0032
angle:	1880	484993.22	-0.1128	0.2890	-0.2120	0.0012	-0.0003	-0.0037
angle:	1881	484996.44	-0.1139	0.2890	-0.2122	0.0000	-0.0003	-0.0039
angle:	1882	484999.63	-0.1133	0.2897	-0.2112	0.0007	0.0004	-0.0030
angle:	1883	485002.80	-0.1136	0.2891	-0.2116	0.0004	-0.0001	-0.0034
angle:	1884	485005.99	-0.1127	0.2898	-0.2116	0.0013	0.0005	-0.0034
angle:	1885	485009.18	-0.1135	0.2903	-0.2114	0.0005	0.0010	-0.0032
angle:	1886	485012.37	-0.1141	0.2905	-0.2113	-0.0001	0.0012	-0.0031
angle:	1887	485015.57	-0.1145	0.2909	-0.2108	-0.0006	0.0016	-0.0026
angle:	1888	485018.78	-0.1133	0.2912	-0.2106	0.0007	0.0019	-0.0023
angle:	1889	485022.00	-0.1144	0.2919	-0.2106	-0.0004	0.0027	-0.0023
angle:	1890	485025.23	-0.1140	0.2927	-0.2106	0.0000	0.0035	-0.0023
angle:	1891	485028.46	-0.1140	0.2926	-0.2107	0.0000	0.0034	-0.0024
angle:	1892	485031.68	-0.1137	0.2931	-0.2107	0.0003	0.0038	-0.0025
angle:	1893	485034.87	-0.1123	0.2933	-0.2101	0.0017	0.0040	-0.0019
angle:	1894	485038.04	-0.1140	0.2939	-0.2105	-0.0001	0.0046	-0.0022
angle:	1895	485181.64	-0.1140	0.2876	-0.2095	0.0000	-0.0016	-0.0012
angle:	1896	485184.94	-0.1142	0.2877	-0.2097	-0.0002	-0.0016	-0.0014
angle:	1897	485188.24	-0.1140	0.2877	-0.2097	0.0000	-0.0015	-0.0014
angle:	1898	485191.54	-0.1144	0.2883	-0.2101	-0.0004	-0.0010	-0.0018
angle:	1899	485194.85	-0.1141	0.2888	-0.2100	-0.0002	-0.0005	-0.0018
angle:	1900	485198.17	-0.1131	0.2887	-0.2101	0.0009	-0.0006	-0.0018
angle:	1901	485201.49	-0.1144	0.2892	-0.2107	-0.0004	-0.0001	-0.0025
angle:	1902	485204.79	-0.1132	0.2898	-0.2107	0.0008	0.0005	-0.0024
angle:	1903	485208.06	-0.1134	0.2915	-0.2105	0.0006	0.0023	-0.0023
angle:	1904	485211.30	-0.1129	0.2922	-0.2110	0.0011	0.0029	-0.0028
angle:	1905	485214.52	-0.1145	0.2928	-0.2116	-0.0005	0.0035	-0.0034
angle:	1906	485217.77	-0.1144	0.2930	-0.2120	-0.0004	0.0038	-0.0037
angle:	1907	485221.07	-0.1135	0.2923	-0.2123	0.0004	0.0030	-0.0040
angle:	1908	485224.40	-0.1147	0.2923	-0.2125	-0.0007	0.0030	-0.0043
angle:	1909	485227.73	-0.1141	0.2935	-0.2125	-0.0001	0.0042	-0.0043
angle:	1910	485231.02	-0.1136	0.2931	-0.2123	0.0004	0.0038	-0.0041
angle:	1911	486377.31	-0.1136	0.2873	-0.2118	0.0004	-0.0019	-0.0036
angle:	1920	486382.35	-0.1143	0.2866	-0.2119	-0.0003	-0.0027	-0.0036
angle:	1921	486387.30	-0.1134	0.2879	-0.2116	0.0006	-0.0014	-0.0033
angle:	1922	486392.28	-0.1128	0.2866	-0.2113	0.0011	-0.0027	-0.0031
angle:	1923	486397.37	-0.1135	0.2862	-0.2110	0.0005	-0.0031	-0.0028
angle:	1924	486402.50	-0.1146	0.2857	-0.2111	-0.0006	-0.0036	-0.0028
angle:	1925	486407.59	-0.1127	0.2869	-0.2106	0.0013	-0.0024	-0.0023
angle:	1926	486412.68	-0.1135	0.2876	-0.2116	0.0005	-0.0017	-0.0033
angle:	1927	486417.75	-0.1151	0.2874	-0.2118	-0.0011	-0.0019	-0.0035
angle:	1928	486422.76	-0.1133	0.2881	-0.2120	0.0007	-0.0012	-0.0038
angle:	1929	486427.73	-0.1151	0.2884	-0.2123	-0.0011	-0.0009	-0.0041
angle:	1930	486432.66	-0.1154	0.2901	-0.2117	-0.0014	0.0008	-0.0034
angle:	1931	486437.65	-0.1134	0.2905	-0.2119	0.0006	0.0013	-0.0036
angle:	1932	486442.73	-0.1144	0.2888	-0.2120	-0.0004	-0.0005	-0.0037
angle:	1933	486447.79	-0.1137	0.2884	-0.2115	0.0003	-0.0009	-0.0032
angle:	1934	486452.82	-0.1130	0.2877	-0.2113	0.0010	-0.0015	-0.0030
angle:	1935	486457.89	-0.1128	0.2872	-0.2115	0.0012	-0.0021	-0.0032
angle:	1936	486561.76	-0.1164	0.2871	-0.1999	-0.0024	-0.0021	0.0083
angle:	1937	486566.50	-0.1166	0.2858	-0.2009	-0.0026	-0.0035	0.0074
angle:	1938	486571.24	-0.1156	0.2864	-0.2016	-0.0017	-0.0029	0.0067
angle:	1939	486575.97	-0.1150	0.2846	-0.2023	-0.0011	-0.0047	0.0060
angle:	1940	486580.71	-0.1153	0.2861	-0.2030	-0.0013	-0.0032	0.0053
angle:	1941	486585.43	-0.1159	0.2854	-0.2032	-0.0019	-0.0039	0.0050
angle:	1942	486590.10	-0.1151	0.2858	-0.2037	-0.0011	-0.0035	0.0045
angle:	1943	486594.75	-0.1140	0.2862	-0.2040	0.0000	-0.0030	0.0042
angle:	1944	486599.41	-0.1143	0.2871	-0.2044	-0.0004	-0.0021	0.0039
angle:	1945	486604.13	-0.1161	0.2869	-0.2049	-0.0021	-0.0024	0.0033
angle:	1946	486608.86	-0.1156	0.2869	-0.2059	-0.0016	-0.0023	0.0024
angle:	1947	486613.57	-0.1150	0.2879	-0.2064	-0.0010	-0.0014	0.0018
angle:	1948	486618.26	-0.1155	0.2878	-0.2072	-0.0015	-0.0015	0.0010
angle:	1949	486622.89	-0.1148	0.2879	-0.2080	-0.0008	-0.0014	0.0003
angle:	1950	486627.50	-0.1141	0.2878	-0.2085	-0.0001	-0.0015	-0.0003
angle:	1951	486632.13	-0.1140	0.2881	-0.2091	0.0000	-0.0011	-0.0008
angle:	1952	486636.76	-0.1122	0.2883	-0.2092	0.0018	-0.0010	-0.0009
angle:	1953	486807.68	-0.1114	0.2847	-0.2073	0.0026	-0.0046	0.0010
angle:	1954	486812.96	-0.1117	0.2840	-0.2072	0.0023	-0.0052	0.0010
angle:	1955	486818.24	-0.1132	0.2834	-0.2066	0.0008	-0.0059	0.0017
angle:	1956	486823.48	-0.1142	0.2851	-0.2065	-0.0002	-0.0041	0.0018
angle:	1957	486828.69	-0.1130	0.2856	-0.2065	0.0010	-0.0037	0.0017
angle:	1958	486834.00	-0.1132	0.2863	-0.2070	0.0008	-0.0030	0.0013

angle:	1959	486839.38	-0.1142	0.2860	-0.2071	-0.0002	-0.0032	0.0011
angle:	1960	486844.69	-0.1134	0.2876	-0.2074	0.0006	-0.0016	0.0008
angle:	1961	486849.96	-0.1132	0.2873	-0.2073	0.0008	-0.0020	0.0009
angle:	1962	486855.23	-0.1127	0.2884	-0.2077	0.0013	-0.0008	0.0005
angle:	1963	486860.48	-0.1116	0.2882	-0.2081	0.0024	-0.0011	0.0002
angle:	1964	486967.78	-0.1160	0.2843	-0.2082	-0.0020	-0.0049	0.0001
angle:	1965	486972.14	-0.1146	0.2840	-0.2081	-0.0006	-0.0053	0.0001
angle:	1966	486976.45	-0.1139	0.2850	-0.2077	0.0001	-0.0043	0.0006
angle:	1967	486980.75	-0.1148	0.2856	-0.2077	-0.0008	-0.0037	0.0006
angle:	1968	486985.04	-0.1142	0.2864	-0.2074	-0.0002	-0.0029	0.0009
angle:	1969	486989.36	-0.1140	0.2863	-0.2080	0.0000	-0.0029	0.0003
angle:	1970	486993.70	-0.1149	0.2872	-0.2087	-0.0009	-0.0021	-0.0005
angle:	1971	486998.03	-0.1135	0.2875	-0.2089	0.0005	-0.0018	-0.0006
angle:	1972	487002.36	-0.1135	0.2893	-0.2097	0.0004	0.0000	-0.0015
angle:	1973	487006.70	-0.1127	0.2886	-0.2103	0.0013	-0.0007	-0.0020
angle:	1974	487011.04	-0.1115	0.2884	-0.2106	0.0025	-0.0008	-0.0024
angle:	1975	487181.57	-0.1128	0.2859	-0.2043	0.0012	-0.0034	0.0039
angle:	1976	487186.19	-0.1123	0.2853	-0.2041	0.0017	-0.0040	0.0042
angle:	1977	487190.83	-0.1143	0.2851	-0.2043	-0.0003	-0.0042	0.0039
angle:	1978	487195.49	-0.1125	0.2851	-0.2041	0.0015	-0.0042	0.0042
angle:	1979	487200.12	-0.1131	0.2846	-0.2038	0.0009	-0.0047	0.0044
angle:	1980	487204.72	-0.1135	0.2854	-0.2032	0.0005	-0.0038	0.0050
angle:	1981	487209.31	-0.1138	0.2843	-0.2033	0.0002	-0.0049	0.0050
angle:	1982	487213.89	-0.1145	0.2847	-0.2027	-0.0005	-0.0046	0.0056
angle:	1983	487218.43	-0.1149	0.2859	-0.2021	-0.0009	-0.0034	0.0061
angle:	1984	487222.99	-0.1141	0.2849	-0.2016	-0.0001	-0.0044	0.0066
angle:	1985	487227.51	-0.1148	0.2872	-0.2016	-0.0008	-0.0021	0.0067
angle:	1986	487232.01	-0.1148	0.2874	-0.2013	-0.0008	-0.0018	0.0070
angle:	1987	487236.53	-0.1151	0.2881	-0.2011	-0.0011	-0.0011	0.0072
angle:	1988	487241.12	-0.1163	0.2866	-0.2011	-0.0023	-0.0027	0.0071
angle:	1989	487245.68	-0.1156	0.2871	-0.2012	-0.0016	-0.0021	0.0071
angle:	1990	487250.22	-0.1167	0.2874	-0.2009	-0.0027	-0.0019	0.0074
angle:	1991	487254.71	-0.1170	0.2884	-0.2001	-0.0030	-0.0009	0.0082
angle:	1992	487467.29	-0.1184	0.2828	-0.2112	-0.0044	-0.0065	-0.0029
angle:	1993	487471.60	-0.1171	0.2835	-0.2099	-0.0031	-0.0058	-0.0016
angle:	1994	487475.88	-0.1157	0.2830	-0.2093	-0.0017	-0.0062	-0.0011
angle:	1995	487480.15	-0.1147	0.2834	-0.2092	-0.0007	-0.0058	-0.0009
angle:	1996	487484.39	-0.1151	0.2853	-0.2086	-0.0011	-0.0040	-0.0004
angle:	1997	487488.66	-0.1154	0.2856	-0.2089	-0.0014	-0.0037	-0.0006
angle:	1998	487492.96	-0.1147	0.2862	-0.2087	-0.0007	-0.0031	-0.0005
angle:	1999	487497.27	-0.1147	0.2866	-0.2083	-0.0007	-0.0027	0.0000
angle:	2000	487501.55	-0.1148	0.2874	-0.2082	-0.0008	-0.0019	0.0000
angle:	2001	487505.81	-0.1154	0.2880	-0.2085	-0.0014	-0.0012	-0.0002
angle:	2002	487510.07	-0.1164	0.2878	-0.2083	-0.0024	-0.0015	0.0000

Average Boresight Angles:

Roll: -0.1140 deg
Pitch: 0.2893 deg
Yaw: -0.2083 deg

Boresight Angle RMS:

Roll: 0.0013 deg
Pitch: 0.0027 deg
Yaw: 0.0035 deg

Success!!

Boresight Calculation finished