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

Boresight Misalignment Calculations
28/07/2020 16:50:17

*********************************************************************

Project:     0014_240720
Projectfile: C:\AEROofficeV51\PROYECTOS\07_PROYECTOS_EAGLE80\

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Used input data:

Platform Solution: C:\AEROofficeV51\PROYECTOS\07_PROYECTOS_EAGLE80\Pol-Cal.aps
Event Mark File  : C:\AEROofficeV51\PROYECTOS\07_PROYECTOS_EAGLE80\Pol-Cal.aom
AT Result File   : C:\AEROofficeV51\PROYECTOS\07_PROYECTOS_EAGLE80\EO_xyzopk.txt
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
328 usable events found

Loading AT Data
AT input: angles found
53 AT Data Sets imported
53 events with matching eventnumbers found.

*********************************************************************

Postion offset for the single events [m]:
            number        time          east         north          alt       d east      d north       d alt
position:     1789    470968.30        -0.013         0.006       -0.088       -0.013         0.006       -0.088
position:     1790    470982.99        -0.061         0.041       -0.055       -0.061         0.041       -0.055
position:     1791    470997.80        -0.091        -0.031       -0.050       -0.091        -0.031       -0.050
position:     1792    471012.55        -0.113         0.024        0.015       -0.113         0.024        0.015
position:     1793    471027.59        -0.099         0.015        0.008       -0.099         0.015        0.008
position:     1794    471042.88        -0.127         0.042        0.030       -0.127         0.042        0.030
position:     1795    471058.28        -0.103        -0.001        0.017       -0.103        -0.001        0.017
position:     1796    471073.79        -0.044        -0.005        0.003       -0.044        -0.005        0.003
position:     1797    471089.19        -0.100         0.035        0.009       -0.100         0.035        0.009
position:     1798    471104.97        -0.103         0.011        0.027       -0.103         0.011        0.027
position:     1799    471120.38        -0.009        -0.003       -0.025       -0.009        -0.003       -0.025
position:     1800    471135.37        -0.065         0.053        0.027       -0.065         0.053        0.027
position:     1801    471150.59        -0.042         0.036        0.050       -0.042         0.036        0.050
position:     1772    470587.58         0.083         0.031       -0.195        0.083         0.031       -0.195
position:     1773    470600.19         0.151         0.033       -0.128        0.151         0.033       -0.128
position:     1774    470612.77         0.187        -0.005       -0.091        0.187        -0.005       -0.091
position:     1775    470625.59         0.203         0.028       -0.052        0.203         0.028       -0.052
position:     1776    470638.16         0.144         0.032       -0.101        0.144         0.032       -0.101
position:     1777    470650.88         0.160         0.004       -0.084        0.160         0.004       -0.084
position:     1778    470663.17         0.189        -0.008       -0.110        0.189        -0.008       -0.110
position:     1779    470675.07         0.103         0.005       -0.158        0.103         0.005       -0.158
position:     1780    470687.17         0.162        -0.012       -0.087        0.162        -0.012       -0.087
position:     1781    470699.16         0.158         0.016       -0.154        0.158         0.016       -0.154
position:     1782    470711.36         0.149        -0.046       -0.141        0.149        -0.046       -0.141
position:     1783    470723.55         0.074        -0.063       -0.095        0.074        -0.063       -0.095
position:     1784    470735.66         0.053         0.008       -0.048        0.053         0.008       -0.048
position:     1613    468207.07        -0.076        -0.070       -0.013       -0.076        -0.070       -0.013
position:     1614    468221.97        -0.168        -0.052        0.067       -0.168        -0.052        0.067
position:     1615    468236.98        -0.168        -0.054        0.064       -0.168        -0.054        0.064
position:     1616    468251.87        -0.184        -0.003        0.076       -0.184        -0.003        0.076
position:     1617    468266.78        -0.154        -0.003        0.100       -0.154        -0.003        0.100
position:     1618    468281.77        -0.194        -0.030        0.111       -0.194        -0.030        0.111
position:     1619    468296.96        -0.170        -0.027        0.128       -0.170        -0.027        0.128
position:     1620    468311.95        -0.199        -0.030        0.152       -0.199        -0.030        0.152
position:     1621    468326.85        -0.176        -0.011        0.107       -0.176        -0.011        0.107
position:     1622    468342.04        -0.153        -0.022        0.130       -0.153        -0.022        0.130
position:     1623    468357.15        -0.157         0.036        0.126       -0.157         0.036        0.126
position:     1624    468372.55        -0.102         0.032        0.111       -0.102         0.032        0.111
position:     1625    468388.44        -0.062         0.073        0.146       -0.062         0.073        0.146
position:     1593    467781.66         0.051         0.030       -0.085        0.051         0.030       -0.085
position:     1594    467794.56         0.056         0.000       -0.040        0.056         0.000       -0.040
position:     1595    467807.55         0.085         0.033       -0.001        0.085         0.033       -0.001
position:     1596    467820.26         0.109        -0.035       -0.005        0.109        -0.035       -0.005
position:     1597    467832.85         0.093        -0.013        0.015        0.093        -0.013        0.014
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position:	1598	467845.36	0.102	-0.024	0.053	0.102	-0.024	0.053
position:	1599	467857.74	0.103	-0.011	0.026	0.104	-0.011	0.026
position:	1600	467869.85	0.077	-0.005	0.014	0.077	-0.005	0.014
position:	1601	467881.95	0.098	0.006	0.009	0.098	0.006	0.009
position:	1602	467894.04	0.103	-0.042	0.041	0.103	-0.042	0.041
position:	1603	467906.23	0.060	0.009	-0.009	0.060	0.009	-0.009
position:	1604	467918.34	0.066	-0.003	0.050	0.067	-0.003	0.050
position:	1605	467930.56	0.064	0.003	0.037	0.064	0.003	0.037
position:	1606	467942.84	0.047	-0.033	0.064	0.047	-0.033	0.064

Average position offset:

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

Position offset RMS:

East:	0.122	m
North:	0.031	m
Alt:	0.084	m

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Misalignment angles for the single events [deg]:

	number	time	roll	pitch	yaw	d roll	d pitch	d yaw
angle:	1789	470968.30	0.0011	-0.0056	0.0058	0.0014	-0.0011	0.0054
angle:	1790	470982.99	0.0015	-0.0063	0.0071	0.0017	-0.0019	0.0067
angle:	1791	470997.80	-0.0011	-0.0069	0.0074	-0.0009	-0.0025	0.0070
angle:	1792	471012.55	-0.0016	-0.0078	0.0073	-0.0013	-0.0034	0.0069
angle:	1793	471027.59	-0.0013	-0.0070	0.0081	-0.0011	-0.0026	0.0077
angle:	1794	471042.88	-0.0013	-0.0079	0.0084	-0.0010	-0.0034	0.0080
angle:	1795	471058.28	-0.0023	-0.0083	0.0082	-0.0021	-0.0038	0.0078
angle:	1796	471073.79	-0.0027	-0.0070	0.0081	-0.0025	-0.0025	0.0077
angle:	1797	471089.19	-0.0020	-0.0071	0.0079	-0.0018	-0.0026	0.0075
angle:	1798	471104.97	-0.0026	-0.0080	0.0077	-0.0023	-0.0035	0.0073
angle:	1799	471120.38	-0.0024	-0.0063	0.0069	-0.0022	-0.0018	0.0065
angle:	1800	471135.37	-0.0029	-0.0072	0.0071	-0.0026	-0.0028	0.0067
angle:	1801	471150.59	-0.0037	-0.0076	0.0072	-0.0034	-0.0031	0.0068
angle:	1772	470587.58	0.0068	-0.0023	-0.0068	0.0071	0.0021	-0.0072
angle:	1773	470600.19	0.0062	-0.0043	-0.0057	0.0065	0.0001	-0.0061
angle:	1774	470612.77	0.0055	-0.0047	-0.0047	0.0057	-0.0003	-0.0051
angle:	1775	470625.59	0.0052	-0.0054	-0.0034	0.0054	-0.0010	-0.0038
angle:	1776	470638.16	0.0064	-0.0049	-0.0027	0.0066	-0.0004	-0.0031
angle:	1777	470650.88	0.0051	-0.0057	-0.0019	0.0053	-0.0012	-0.0023
angle:	1778	470663.17	0.0043	-0.0060	-0.0007	0.0045	-0.0016	-0.0011
angle:	1779	470675.07	0.0036	-0.0052	-0.0002	0.0038	-0.0007	-0.0006
angle:	1780	470687.17	0.0040	-0.0054	0.0005	0.0043	-0.0010	0.0001
angle:	1781	470699.16	0.0032	-0.0049	0.0014	0.0035	-0.0004	0.0010
angle:	1782	470711.36	0.0031	-0.0065	0.0027	0.0034	-0.0020	0.0023
angle:	1783	470723.55	0.0031	-0.0051	0.0035	0.0033	-0.0006	0.0031
angle:	1784	470735.66	0.0029	-0.0046	0.0046	0.0031	-0.0002	0.0043
angle:	1613	468207.07	-0.0028	-0.0001	0.0009	-0.0026	0.0043	0.0005
angle:	1614	468221.97	-0.0027	-0.0032	0.0011	-0.0025	0.0012	0.0007
angle:	1615	468236.98	-0.0042	-0.0032	-0.0003	-0.0040	0.0013	-0.0006
angle:	1616	468251.87	-0.0030	-0.0043	-0.0001	-0.0027	0.0001	-0.0005
angle:	1617	468266.78	-0.0030	-0.0033	-0.0002	-0.0027	0.0012	-0.0006
angle:	1618	468281.77	-0.0042	-0.0046	-0.0010	-0.0039	-0.0001	-0.0014
angle:	1619	468296.96	-0.0037	-0.0046	-0.0013	-0.0035	-0.0001	-0.0017
angle:	1620	468311.95	-0.0043	-0.0045	-0.0016	-0.0040	0.0000	-0.0020
angle:	1621	468326.85	-0.0040	-0.0038	-0.0016	-0.0037	0.0006	-0.0020
angle:	1622	468342.04	-0.0051	-0.0041	-0.0016	-0.0048	0.0003	-0.0020
angle:	1623	468357.15	-0.0053	-0.0041	-0.0016	-0.0051	0.0003	-0.0020
angle:	1624	468372.55	-0.0062	-0.0035	-0.0015	-0.0059	0.0009	-0.0019
angle:	1625	468388.44	-0.0062	-0.0037	-0.0022	-0.0060	0.0008	-0.0025
angle:	1593	467781.66	0.0024	-0.0010	-0.0074	0.0026	0.0034	-0.0078
angle:	1594	467794.56	0.0021	-0.0007	-0.0070	0.0024	0.0037	-0.0074
angle:	1595	467807.55	0.0009	-0.0012	-0.0062	0.0012	0.0032	-0.0066
angle:	1596	467820.26	0.0016	-0.0018	-0.0058	0.0018	0.0027	-0.0062
angle:	1597	467832.85	-0.0001	-0.0020	-0.0056	0.0002	0.0025	-0.0060
angle:	1598	467845.36	0.0001	-0.0018	-0.0049	0.0003	0.0026	-0.0053
angle:	1599	467857.74	-0.0002	-0.0030	-0.0048	0.0000	0.0015	-0.0052
angle:	1600	467869.85	0.0002	-0.0018	-0.0043	0.0005	0.0026	-0.0047
angle:	1601	467881.95	-0.0010	-0.0023	-0.0033	-0.0008	0.0021	-0.0037
angle:	1602	467894.04	0.0002	-0.0028	-0.0023	0.0004	0.0017	-0.0027
angle:	1603	467906.23	-0.0002	-0.0028	-0.0011	0.0000	0.0017	-0.0015
angle:	1604	467918.34	-0.0005	-0.0026	-0.0007	-0.0002	0.0018	-0.0011
angle:	1605	467930.56	-0.0012	-0.0035	0.0002	-0.0009	0.0009	-0.0001
angle:	1606	467942.84	-0.0005	-0.0037	0.0014	-0.0003	0.0007	0.0010

Average Boresight Angles:

Roll:	0.1419	deg
Pitch:	0.2883	deg
Yaw:	-0.2896	deg

Boresight Angle RMS:

Roll:	0.0034	deg
Pitch:	0.0021	deg
Yaw:	0.0048	deg

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Success!!
Boresight Calculation finished