

Fred Wagner

From: opus [opus@NGS.NOAA.GOV]
Sent: Wednesday, May 04, 2011 1:35 PM
To: Fred Wagner
Subject: OPUS solution : 6__1200.11o 000219799

FILE: 6__1200.11o 000219799

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: <http://www.ngs.noaa.gov/OPUS/about.html#accuracy>

USER: f.wagner@LounsburyInc.com DATE: May 04, 2011
RINEX FILE: 6__120c.11o TIME: 21:34:30 UTC

SOFTWARE: page5 1009.28 master2.pl 1215103 START: 2011/04/30 02:55:00
EPHEMERIS: igr16336.eph [rapid] STOP: 2011/04/30 19:21:00
NAV FILE: brdc1200.11n OBS USED: 44845 / 49499 : 91%
ANT NAME: LEIAX1202 NONE # FIXED AMB: 275 / 294 : 94%
ARP HEIGHT: 1.339 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(CORS96)(EPOCH:2003.0000) ITRF00 (EPOCH:2011.3273)

X:	-2622532.032(m)	0.021(m)	-2622533.017(m)	0.021(m)
Y:	-1510743.063(m)	0.002(m)	-1510742.072(m)	0.002(m)
Z:	5595582.143(m)	0.015(m)	5595582.415(m)	0.015(m)

LAT:	61 45 9.24186	0.019(m)	61 45 9.23581	0.019(m)
E LON:	209 56 40.71441	0.010(m)	209 56 40.62238	0.010(m)
W LON:	150 3 19.28559	0.010(m)	150 3 19.37762	0.010(m)
EL HGT:	73.815(m)	0.015(m)	74.225(m)	0.015(m)
ORTHO HGT:	66.404(m)	0.026(m)	[NAVD88 (Computed using GEOID09)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 05)	SPC (5004 AK 4)
Northing (Y) [meters]	6850136.242	863354.999
Easting (X) [meters]	655443.969	497076.181
Convergence [degrees]	2.59448489	-0.04876474
Point Scale	0.99989602	0.99990010
Combined Factor	0.99988447	0.99988855

US NATIONAL GRID DESIGNATOR: 5VPJ5544350136(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
AI0952	TSEA ANCHORAGE CORS ARP	N611114.374	W1495341.819	63566.6
DE9153	ZAN1 ANCHORAGE WAAS 1 CORS ARP	N611345.129	W1494648.805	60135.9
DL6456	ATW2 ATW2_AKDA_AK2000 CORS ARP	N613551.915	W1490756.159	51837.6

NEAREST NGS PUBLISHED CONTROL POINT

TT4654

MSB GPS 16

N614509.244 W1500319.278

0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

Fred Wagner

From: opus [opus@NGS.NOAA.GOV]
Sent: Wednesday, May 04, 2011 1:30 PM
To: Fred Wagner
Subject: OPUS solution : 6__1190.11o 000219790

FILE: 6__1190.11o 000219790

NGS OPUS SOLUTION REPORT

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For additional information: <http://www.ngs.noaa.gov/OPUS/about.html#accuracy>

USER: f.wagner@LounsburyInc.com DATE: May 04, 2011
RINEX FILE: 6__119q.11o TIME: 21:29:29 UTC

SOFTWARE: page5 1009.28 master10.pl 121510 START: 2011/04/29 16:48:00
EPHEMERIS: igr16335.eph [rapid] STOP: 2011/04/30 02:53:00
NAV FILE: brdc1190.11n OBS USED: 27713 / 30144 : 92%
ANT NAME: LEIAX1202 NONE # FIXED AMB: 137 / 149 : 92%
ARP HEIGHT: 1.434 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(CORS96)(EPOCH:2003.0000) ITRF00 (EPOCH:2011.3258)

X:	-2622532.036(m)	0.020(m)	-2622533.020(m)	0.020(m)
Y:	-1510743.063(m)	0.007(m)	-1510742.072(m)	0.007(m)
Z:	5595582.140(m)	0.015(m)	5595582.412(m)	0.015(m)

LAT:	61 45 9.24172	0.015(m)	61 45 9.23569	0.015(m)
E LON:	209 56 40.71427	0.015(m)	209 56 40.62228	0.015(m)
W LON:	150 3 19.28573	0.015(m)	150 3 19.37772	0.015(m)
EL HGT:	73.814(m)	0.014(m)	74.223(m)	0.014(m)
ORTHO HGT:	66.403(m)	0.024(m)	[NAVD88 (Computed using GEOID09)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 05)	SPC (5004 AK 4)
Northing (Y) [meters]	6850136.237	863354.995
Easting (X) [meters]	655443.967	497076.179
Convergence [degrees]	2.59448486	-0.04876477
Point Scale	0.99989602	0.99990010
Combined Factor	0.99988447	0.99988855

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