

Charles Owens

From: opus@ngs.noaa.gov
Sent: Monday, March 31, 2003 4:51 PM
To: charles@burntchimney.com
Subject: OPUS solution : bcsb0561.03o

FILE: bcsb0561.03o

1008 WARNING! Antenna offsets supplied by the user in the RINEX
1008 header or via the web were zero. Coordinates returned will
1008 be for the antenna reference point (ARP). Please refer to
1008 the following web address for an example.
1008 <http://www.ngs.noaa.gov/CORS/OPUS/Preprinfile.html>
1008

NGS OPUS SOLUTION REPORT

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USER: charles\@burntchimney.com DATE: March 31, 2003
RINEX FILE: bcsb0561.03o TIME: 21:50:34 UTC

SOFTWARE: page5 0203.19 ./master2.pl START: 2003/02/25 17:25:00
EPHEMERIS: igs12072.eph [precise] STOP: 2003/02/25 22:19:00
NAV FILE: brdc0560.03n OBS USED: 8992 / 9160 : 98%
ANT NAME: ASH700700.C # FIXED AMB: 36 / 37 : 97%
ARP HEIGHT: 0.0 OVERALL RMS: 0.018 (m)

REF FRAME: NAD83 (CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2003.1530)

X:	737638.016 (m)	0.003 (m)	737637.383 (m)	0.003 (m)
Y:	-5156887.598 (m)	0.043 (m)	-5156886.123 (m)	0.043 (m)
Z:	3668243.817 (m)	0.030 (m)	3668243.662 (m)	0.031 (m)

LAT:	35 19 59.18337	0.003 (m)	35 19 59.20835	0.002 (m)
E LON:	278 8 25.20530	0.004 (m)	278 8 25.18876	0.004 (m)
W LON:	81 51 34.79470	0.004 (m)	81 51 34.81124	0.004 (m)
EL HGT:	287.170 (m)	0.053 (m)	285.816 (m)	0.053 (m)
ORTHO HGT:	319.196 (m)	0.058 (m)	[Geoid99 NAVD88]	

UTM: Zone 17
NORTHING: 3910323.306 (m)
EASTING: 421872.382 (m)

US NATIONAL GRID DESIGNATOR: 17SMV2187210323 (NAD 83)

SPC: Zone 3200 (NC)
NORTHING: 179358.102 (m)
EASTING: 349678.781 (m)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE (m)
AF9641	ASHV ASHEVILLE CORS ARP	N353558.011	W0823246.318	68972.0
DE8230	MARI MARION CORS ARP	N353913.385	W0815716.172	36599.5
DE8425	GAST GASTON CORS ARP	N351839.791	W0811119.541	61055.8

NEAREST NGS PUBLISHED CONTROL POINT

FA1334	RU 20	N352001.	W0815154.	487.7
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This position was computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

