

Charles Owens

From: opus@ngs.noaa.gov
Sent: Thursday, October 03, 2002 1:41 PM
To: charles@burntchimney.com
Subject: OPUS solution : bcsb2481.02o

FILE: bcsb2481.02o

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
RINEX FILE: bcsb2481.02o

DATE: October 03, 2002
TIME: 17:40:39 UTC

SOFTWARE: page5 0203.19 ./master.pl
EPHEMERIS: igs11824.eph [precise]
NAV FILE: brdc2480.02n
ANT NAME: ASH700700.C
ARP HEIGHT: 0.0

START: 2002/09/05 17:51:00
STOP: 2002/09/05 20:29:30
OBS USED: 4956 / 5118 : 97%
FIXED AMB: 30 / 38 : 79%
OVERALL RMS: 0.019(m)

REF FRAME: NAD83 (CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2002.6789)

X:	737638.015 (m)	0.015 (m)	737637.390 (m)	0.015 (m)
Y:	-5156887.585 (m)	0.019 (m)	-5156886.110 (m)	0.019 (m)
Z:	3668243.804 (m)	0.010 (m)	3668243.648 (m)	0.010 (m)
LAT:	35 19 59.18327	0.011 (m)	35 19 59.20820	0.011 (m)
E LON:	278 8 25.20534	0.013 (m)	278 8 25.18911	0.016 (m)
W LON:	81 51 34.79466	0.013 (m)	81 51 34.81089	0.016 (m)
EL HGT:	287.152 (m)	0.019 (m)	285.798 (m)	0.019 (m)
ORTHO HGT:	319.178 (m)	0.032 (m)	[Geoid99 NAVD88]	

UTM: Zone 17
NORTHING: 3910323.303 (m)
EASTING: 421872.383 (m)

US NATIONAL GRID DESIGNATOR: 17SMV2187210323 (NAD 83)

SPC: Zone 3200 (NC)
NORTHING: 179358.099 (m)
EASTING: 349678.782 (m)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE (m)
AI1571	BLKV BLACKSBURG CORS ARP	N371221.637	W0802452.276	245051.7
AM7024	SNFD SANFORD CORS ARP	N352824.677	W0790928.985	245887.6
AM7013	HILB HILLSBOROUGH CORS ARP	N360310.178	W0790609.101	261998.2

NEAREST NGS PUBLISHED CONTROL POINT

FA1334 RU 20 N352001. W0815154. 487.7

This position was computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

