

# Charles Owens

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**From:** opus@ngs.noaa.gov  
**Sent:** Saturday, October 26, 2002 9:59 AM  
**To:** charles@burntchimney.com  
**Subject:** OPUS solution : dlot2611.02o

## NGS OPUS SOLUTION REPORT

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USER: charles\@burntchimney.com  
RINEX FILE: dlot2611.02o

DATE: October 26, 2002  
TIME: 13:58:53 UTC

SOFTWARE: page5 0203.19 ./master.pl  
EPHEMERIS: igs11843.eph [precise]  
NAV FILE: brdc2610.02n  
ANT NAME: ASH700700.C  
ARP HEIGHT: 2.0

START: 2002/09/18 18:18:00  
STOP: 2002/09/18 21:13:00  
OBS USED: 4823 / 4897 : 98%  
# FIXED AMB: 24 / 31 : 77%  
OVERALL RMS: 0.020 (m)

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

ITRF00 (EPOCH:2002.7146)

X:	729357.043 (m)	0.013 (m)	729356.417 (m)	0.013 (m)
Y:	-5156847.028 (m)	0.038 (m)	-5156845.552 (m)	0.038 (m)
Z:	3669931.447 (m)	0.027 (m)	3669931.292 (m)	0.027 (m)

LAT:	35 21 6.49069	0.001 (m)	35 21 6.51567	0.001 (m)
E LON:	278 3 0.77677	0.008 (m)	278 3 0.76041	0.010 (m)
W LON:	81 56 59.22323	0.008 (m)	81 56 59.23959	0.010 (m)
EL HGT:	279.419 (m)	0.048 (m)	278.065 (m)	0.048 (m)
ORTHO HGT:	311.415 (m)	0.054 (m)	[Geoid99 NAVD88]	

UTM: Zone 17  
NORTHING: 3912471.688 (m)  
EASTING: 413701.880 (m)

US NATIONAL GRID DESIGNATOR: 17SMV1370212472 (NAD 83)

SPC: Zone 3200 (NC)  
NORTHING: 181670.919 (m)  
EASTING: 341551.622 (m)

### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE (m)
AF9641	ASHV ASHEVILLE CORS ARP	N353558.011	W0823246.318	60708.3
AH6714	COLA COLUMBIA CORS ARP	N340451.557	W0810718.015	160089.6
AJ8051	CHME CHARLOTTE CORS ARP	N351635.972	W0805320.582	96822.8

### NEAREST NGS PUBLISHED CONTROL POINT

FA1356	ELLINGTON	N352104.976	W0815631.273	706.5
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This position was computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.