

# Charles Owens

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**From:** opus@ngs.noaa.gov  
**Sent:** Thursday, August 29, 2002 3:27 PM  
**To:** charles@burntchimney.com  
**Subject:** OPUS solution : dlot2201.02o

## NGS OPUS SOLUTION REPORT

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USER: charles\@burntchimney.com      DATE: August 29, 2002  
RINEX FILE: dlot2201.02o              TIME: 19:26:56 UTC

SOFTWARE: page5 0203.19 ./master.pl      START: 2002/08/08 14:49:00  
EPHEMERIS: igs11784.eph [precise]      STOP: 2002/08/08 16:59:00  
NAV FILE: brdc2200.02n      OBS USED: 5705 / 5759 : 99%  
ANT NAME: ASH700700.C      # FIXED AMB: 31 / 31 : 100%  
ARP HEIGHT: 2.0      OVERALL RMS: 0.016(m)

REF FRAME: NAD83(CORS96)(EPOCH:2002.0000)      ITRF00 (EPOCH:2002.6018)

X:	729357.050(m)	0.010(m)	729356.426(m)	0.010(m)
Y:	-5156847.045(m)	0.019(m)	-5156845.570(m)	0.019(m)
Z:	3669931.469(m)	0.002(m)	3669931.314(m)	0.002(m)

LAT:	35 21 6.49094	0.011(m)	35 21 6.51590	0.012(m)
E LON:	278 3 0.77695	0.012(m)	278 3 0.76066	0.015(m)
W LON:	81 56 59.22305	0.012(m)	81 56 59.23934	0.015(m)
EL HGT:	279.446(m)	0.015(m)	278.094(m)	0.015(m)
ORTHO HGT:	311.442(m)	0.029(m)	[Geoid99 NAVD88]	

UTM:      Zone 17  
NORTHING: 3912471.696(m)  
EASTING: 413701.885(m)

US NATIONAL GRID DESIGNATOR: 17SMV1370212472(NAD 83)

SPC:      Zone 3200(NC)  
NORTHING: 181670.927(m)  
EASTING: 341551.627(m)

### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
AF9641	ASHV ASHEVILLE CORS ARP	N353558.011	W0823246.318	60708.3
AJ4434	GVLV GREENVILLE TECHNI CORS ARP	N344946.941	W0822215.372	69499.7
AJ5575	CONO CONOVER CORS ARP	N354209.468	W0811400.901	75730.4

### NEAREST NGS PUBLISHED CONTROL POINT

AA9959	QUEEN	N353014.142	W0815124.487	18918.6
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This position was computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

