Charles Owens

From: opus@ngs.noaa.gov
Sent: Thursday, April 24, 2003 2:27 PM
To: charles@burntchimney.com
Subject: OPUS solution : dlot2981.02o

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 FILE: dlot2981.02o

                            NGS OPUS SOLUTION REPORT
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      USER: charles\@burntchimney.com              DATE: April 24, 2003
RINEX FILE: dlot2981.02o                           TIME: 18:27:02 UTC


  SOFTWARE: page5  0203.19 ./master2.pl           START: 2002/10/25  16:17:00
 EPHEMERIS: igs11895.eph [precise]                 STOP: 2002/10/25  19:50:00
  NAV FILE: brdc2980.02n                      OBS USED:  7102 /  7229   :  98%
  ANT NAME: ASH700700.C                    # FIXED AMB:    27 /    33   :  82%
ARP HEIGHT: 2.0                            OVERALL RMS: 0.028(m)


 REF FRAME: NAD83(CORS96)(EPOCH:2002.0000)            ITRF00 (EPOCH:2002.8158)

         X:       729357.048(m)   0.036(m)            729356.420(m)   0.036(m)
         Y:     -5156847.010(m)   0.124(m)          -5156845.535(m)   0.125(m)
         Z:      3669931.429(m)   0.093(m)           3669931.274(m)   0.093(m)

       LAT:   35 21  6.49054      0.005(m)        35 21  6.51550      0.005(m)
     E LON:  278  3  0.77706      0.037(m)       278  3  0.76062      0.037(m)
     W LON:   81 56 59.22294      0.037(m)        81 56 59.23938      0.037(m)
    EL HGT:          279.394(m)   0.155(m)              278.042(m)   0.155(m)
 ORTHO HGT:          311.391(m)   0.157(m) [Geoid99 NAVD88]

       UTM:          Zone  17
  NORTHING:      3912471.683(m)
   EASTING:       413701.887(m)

US NATIONAL GRID DESIGNATOR: 17SMV1370212472(NAD 83)


       SPC:      Zone  3200(NC)
  NORTHING:       181670.914(m)
   EASTING:       341551.629(m)

                              BASE STATIONS USED
PID       DESIGNATION                       LATITUDE    LONGITUDE DISTANCE(m)
AF9641 ASHV ASHEVILLE CORS ARP            N353558.011 W0823246.318   60708.2
AJ4434 GVLT GREENVILLE TECHNI CORS ARP    N344946.941 W0822215.372   69499.7
DE8230 MARI MARION CORS ARP               N353913.385 W0815716.172   33501.9

                    NEAREST NGS PUBLISHED CONTROL POINT
FA1356      ELLINGTON                     N352104.976 W0815631.273     706.5

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