

APPENDIX C

CORPSCON CONVERSION NAD₈₃ - U.S. SURVEY FEET TO LATITUDE AND LONGITUDE

2003
GEODETIC CONTROL DENSIFICATION

of

JEFFERSON COUNTY, KENTUCKY

JUNE 2003

Fuller, Mossbarger, Scott & May
1901 Nelson Miller Parkway
Louisville, Kentucky 40223-2177



Jacobi, Toombs and Lanz, Inc.
401 West Main Street, Suite 600
Louisville, Kentucky 40202



7/22/103

Original Horizontal Coordinates:

NAD 83, Kentucky North - 1601, U.S. Survey Feet

Translated Horizontal Coordinates:

NAD 83 Geographic

Input Vertical Coordinates: NAVD 88, U.S. Survey Feet

Output Vertical Coordinates: NAVD 88, U.S. Survey Feet

Name	Input	Output
LOUISVILLE SOUTH BASE	240989.43617 N	38 09 03.69569 N
	1185268.16113 E	85 49 58.24028 W
Elevation	470.19900	470.19900
Convergence	-00 59 04.68868	
Scale Factor	0.999977225	
Combined Factor	0.999954735	
GOSHEN RM1	333339.96683 N	38 24 28.74243 N
	1263875.18916 E	85 33 50.75964 W
Elevation	714.80200	714.80200
Convergence	-00 49 02.85066	
Scale Factor	0.999962612	
Combined Factor	0.999928423	
EDWARD 2	289720.14598 N	38 17 01.83168 N
	1164992.60063 E	85 54 22.99743 W
Elevation	917.09100	917.09100
Convergence	-01 01 49.38544	
Scale Factor	0.999967178	
Combined Factor	0.999923314	
BOWMAN-RESET	266533.00232 N	38 13 23.97900 N
	1233750.64123 E	85 39 56.27888 W
Elevation	537.39000	537.39000
Convergence	-00 52 50.22821	
Scale Factor	0.999971094	
Combined Factor	0.999945390	
GPS86-43 RESET	278083.39985 N	38 15 13.92432 N
	1206849.46238 E	85 45 35.71470 W
Elevation	460.49600	460.49600
Convergence	-00 56 21.38012	
Scale Factor	0.999968979	
Combined Factor	0.999946953	
GPS86-24	237527.39157 N	38 08 46.86245 N
	1302799.21174 E	85 25 26.44277 W
Elevation	652.46800	652.46800
Convergence	-00 43 49.13165	
Scale Factor	0.999977676	
Combined Factor	0.999946468	

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Name	Input	Output
STA011-2001	227786.33895 N	38 07 03.05980 N
	1247653.92509 E	85 36 54.87413 W
Elevation	687.16500	687.16500
Convergence	-00 50 57.38225	
Scale Factor	0.999980602	
Combined Factor	0.999947734	
AZI005-2001	250267.25484 N	38 10 32.85881 N
	1170553.09612 E	85 53 04.48890 W
Elevation	448.17600	448.17600
Convergence	-01 01 00.54785	
Scale Factor	0.999974947	
Combined Factor	0.999953510	
AZI031-2001	234337.10309 N	38 08 01.09595 N
	1204231.71603 E	85 45 59.49839 W
Elevation	451.69100	451.69100
Convergence	-00 56 36.17517	
Scale Factor	0.999978935	
Combined Factor	0.999957330	
GPS86-15	195754.79942 N	38 01 32.28887 N
	1160612.80294 E	85 54 56.60713 W
Elevation	441.15000	441.15000
Convergence	-01 02 10.29293	
Scale Factor	0.999991600	
Combined Factor	0.999970499	
STA047-2003	310294.85309 N	38 20 39.51238 N
	1253780.44579 E	85 35 53.33164 W
Elevation	591.98100	591.98100
Convergence	-00 50 19.09869	
Scale Factor	0.999964371	
Combined Factor	0.999936056	
AZI 047-2003	310590.08962 N	38 20 42.28398 N
	1252768.22293 E	85 36 06.09034 W
Elevation	586.43300	586.43300
Convergence	-00 50 27.03546	
Scale Factor	0.999964342	
Combined Factor	0.999936293	

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Name	Input	Output
STA048-2003	273702.51915 N	38 14 39.71214 N
	1267141.47916 E	85 32 59.15564 W
Elevation	660.31200	660.31200
Convergence	-00 48 30.74950	
Scale Factor	0.999969607	
Combined Factor	0.999938024	
AZI048-2003	273466.08186 N	38 14 37.54287 N
	1268346.51713 E	85 32 44.01031 W
Elevation	694.14500	694.14500
Convergence	-00 48 21.32809	
Scale Factor	0.999969648	
Combined Factor	0.999936447	
STA049-2003	230622.89005 N	38 07 36.92506 N
	1289663.01801 E	85 28 09.72431 W
Elevation	720.81900	720.81900
Convergence	-00 45 30.70375	
Scale Factor	0.999979620	
Combined Factor	0.999945142	
AZI049-2003	231390.55875 N	38 07 44.51961 N
	1289710.79864 E	85 28 09.25357 W
Elevation	748.02700	748.02700
Convergence	-00 45 30.41092	
Scale Factor	0.999979403	
Combined Factor	0.999943625	
STA050-2003	205024.03955 N	38 03 05.00050 N
	1166763.99309 E	85 53 41.81451 W
Elevation	440.13600	440.13600
Convergence	-01 01 23.76689	
Scale Factor	0.999988261	
Combined Factor	0.999967208	
AZI050-2003	204418.61728 N	38 02 58.93067 N
	1166278.68821 E	85 53 47.74541 W
Elevation	438.37100	438.37100
Convergence	-01 01 27.45631	
Scale Factor	0.999988473	
Combined Factor	0.999967505	

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Name	Input	Output
STA051-2003	222672.76381 N	38 06 00.11783 N
	1170595.71817 E	85 52 57.82970 W
Elevation	438.79700	438.79700
Convergence	-01 00 56.40538	
Scale Factor	0.999982498	
Combined Factor	0.999961510	
AZI051-2003	222252.17255 N	38 05 56.07142 N
	1171228.42216 E	85 52 49.82259 W
Elevation	447.09900	447.09900
Convergence	-01 00 51.42442	
Scale Factor	0.999982624	
Combined Factor	0.999961238	
STA052-2003	265994.56344 N	38 13 14.57322 N
	1207706.37511 E	85 45 22.49502 W
Elevation	452.22900	452.22900
Convergence	-00 56 13.15659	
Scale Factor	0.999971288	
Combined Factor	0.999949658	
AZI052-2003	267026.57519 N	38 13 24.80294 N
	1207885.66106 E	85 45 20.46010 W
Elevation	455.74700	455.74700
Convergence	-00 56 11.89073	
Scale Factor	0.999971077	
Combined Factor	0.999949278	
STA053-2003	280285.67414 N	38 15 37.59309 N
	1218741.52271 E	85 43 07.08751 W
Elevation	448.15300	448.15300
Convergence	-00 54 48.92401	
Scale Factor	0.999968561	
Combined Factor	0.999947125	
AV 23-01	280107.85156 N	38 15 35.93738 N
	1219388.83710 E	85 42 58.93717 W
Elevation	457.22400	457.22400
Convergence	-00 54 43.85395	
Scale Factor	0.999968589	
Combined Factor	0.999946720	

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Name                Input                Output
BK 09-01            250101.27398 N    38 10 32.28839 N
                   1176693.41896 E  85 51 47.56800 W
    Elevation        443.58500
    Convergence      -01 00 12.69788
    Scale Factor      0.999974961
    Combined Factor   0.999953744

BL 09-01            248929.25965 N    38 10 21.04708 N
                   1178679.33274 E  85 51 22.44596 W
    Elevation        445.24300
    Convergence      -00 59 57.07028
    Scale Factor      0.999975238
    Combined Factor   0.999953942

BO 08-02            243749.93384 N    38 09 29.04215 N
                   1173995.01370 E  85 52 19.95446 W
    Elevation        442.60500
    Convergence      -01 00 32.84444
    Scale Factor      0.999976558
    Combined Factor   0.999955388

TEMP                277936.26402 N    38 15 12.47241 N
                   1206864.41526 E  85 45 35.49703 W
    Elevation        462.39600
    Convergence      -00 56 21.24471
    Scale Factor      0.999969005
    Combined Factor   0.999946888

J-334               186450.84276 N    37 59 58.81971 N
                   1152251.39601 E  85 56 38.94635 W
    Elevation        437.52100
    Convergence      -01 03 13.95481
    Scale Factor      0.999995169
    Combined Factor   0.999974242

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