

APPENDIX F

CORPSCON CONVERSION NAD₈₃ - U.S. SURVEY FEET TO NAD₈₃ - METERS AND NAVD₈₈ - U.S. SURVEY FEET TO NGVD₂₉ - METERS

2003
GEODETIC CONTROL DENSIFICATION

of

JEFFERSON COUNTY, KENTUCKY
JUNE 2003

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

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401 West Main Street, Suite 600
Louisville, Kentucky 40202



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Original Horizontal Coordinates:
  NAD 83, Kentucky North - 1601, U.S. Survey Feet
Translated Horizontal Coordinates:
  NAD 83, Kentucky North - 1601, Meters
Input Vertical Coordinates:  NAVD 88, U.S. Survey Feet
Output Vertical Coordinates: NGVD 29, Meters
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Name	Input	Output
LOUISVILLE SOUTH BASE	240989.43617 N	73453.72705 N
	1185268.16113 E	361270.45805 E
Elevation	470.19900	143.459
Convergence	-00 59 04.68868	-00 59 04.68868
Scale Factor	0.999977225	0.999977225
Combined Factor	0.999954735	0.999954735
GOSHEN RM1	333339.96683 N	101602.22509 N
	1263875.18916 E	385229.92812 E
Elevation	714.80200	218.031
Convergence	-00 49 02.85066	-00 49 02.85066
Scale Factor	0.999962612	0.999962612
Combined Factor	0.999928423	0.999928423
EDWARD 2	289720.14598 N	88306.87711 N
	1164992.60063 E	355090.45485 E
Elevation	917.09100	279.662
Convergence	-01 01 49.38544	-01 01 49.38544
Scale Factor	0.999967178	0.999967178
Combined Factor	0.999923314	0.999923314
BOWMAN-RESET	266533.00232 N	81239.42159 N
	1233750.64123 E	376047.94754 E
Elevation	537.39000	163.950
Convergence	-00 52 50.22821	-00 52 50.22821
Scale Factor	0.999971094	0.999971094
Combined Factor	0.999945390	0.999945390
GPS86-43 RESET	278083.39985 N	84759.98979 N
	1206849.46238 E	367848.45183 E
Elevation	460.49600	140.507
Convergence	-00 56 21.38012	-00 56 21.38012
Scale Factor	0.999968979	0.999968979
Combined Factor	0.999946953	0.999946953
GPS86-24	237527.39157 N	72398.49375 N
	1302799.21174 E	397093.99393 E
Elevation	652.46800	199.025
Convergence	-00 43 49.13165	-00 43 49.13165
Scale Factor	0.999977676	0.999977676
Combined Factor	0.999946468	0.999946468

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Output Vertical Coordinates: NGVD 29, Meters

Name	Input	Output
STA011-2001	227786.33895 N	69429.41497 N
	1247653.92509 E	380285.67694 E
Elevation	687.16500	209.596
Convergence	-00 50 57.38225	-00 50 57.38225
Scale Factor	0.999980602	0.999980602
Combined Factor	0.999947734	0.999947734
AZI005-2001	250267.25484 N	76281.61184 N
	1170553.09612 E	356785.29727 E
Elevation	448.17600	136.742
Convergence	-01 01 00.54785	-01 01 00.54785
Scale Factor	0.999974947	0.999974947
Combined Factor	0.999953510	0.999953510
AZI031-2001	234337.10309 N	71426.09187 N
	1204231.71603 E	367050.56115 E
Elevation	451.69100	137.821
Convergence	-00 56 36.17517	-00 56 36.17517
Scale Factor	0.999978935	0.999978935
Combined Factor	0.999957330	0.999957330
GPS86-15	195754.79942 N	59666.18220 N
	1160612.80294 E	353755.48985 E
Elevation	441.15000	134.594
Convergence	-01 02 10.29293	-01 02 10.29293
Scale Factor	0.999991600	0.999991600
Combined Factor	0.999970499	0.999970499
STA047-2003	310294.85309 N	94578.06038 N
	1253780.44579 E	382153.04418 E
Elevation	591.98100	180.593
Convergence	-00 50 19.09869	-00 50 19.09869
Scale Factor	0.999964371	0.999964371
Combined Factor	0.999936056	0.999936056
AZI 047-2003	310590.08962 N	94668.04865 N
	1252768.22293 E	381844.51804 E
Elevation	586.43300	178.902
Convergence	-00 50 27.03546	-00 50 27.03546
Scale Factor	0.999964342	0.999964342
Combined Factor	0.999936293	0.999936293

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NAD 83, Kentucky North - 1601, Meters

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Output Vertical Coordinates: NGVD 29, Meters

Name	Input	Output
STA048-2003	273702.51915 N	83424.69469 N
	1267141.47916 E	386225.49530 E
Elevation	660.31200	201.414

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Convergence	-00 48 30.74950	-00 48 30.74950
Scale Factor	0.999969607	0.999969607
Combined Factor	0.999938024	0.999938024
AZI048-2003	273466.08186 N	83352.62846 N
	1268346.51713 E	386592.79161 E
Elevation	694.14500	211.727
Convergence	-00 48 21.32809	-00 48 21.32809
Scale Factor	0.999969648	0.999969648
Combined Factor	0.999936447	0.999936447
STA049-2003	230622.89005 N	70293.99748 N
	1289663.01801 E	393090.07407 E
Elevation	720.81900	219.860
Convergence	-00 45 30.70375	-00 45 30.70375
Scale Factor	0.999979620	0.999979620
Combined Factor	0.999945142	0.999945142
AZI049-2003	231390.55875 N	70527.98336 N
	1289710.79864 E	393104.63763 E
Elevation	748.02700	228.153
Convergence	-00 45 30.41092	-00 45 30.41092
Scale Factor	0.999979403	0.999979403
Combined Factor	0.999943625	0.999943625
STA050-2003	205024.03955 N	62491.45224 N
	1166763.99309 E	355630.37635 E
Elevation	440.13600	134.291
Convergence	-01 01 23.76689	-01 01 23.76689
Scale Factor	0.999988261	0.999988261
Combined Factor	0.999967208	0.999967208
AZI050-2003	204418.61728 N	62306.91916 N
	1166278.68821 E	355482.45513 E
Elevation	438.37100	133.753
Convergence	-01 01 27.45631	-01 01 27.45631
Scale Factor	0.999988473	0.999988473
Combined Factor	0.999967505	0.999967505

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Name	Input	Output
STA051-2003	222672.76381 N	67870.79415 N
	1170595.71817 E	356798.28849 E
Elevation	438.79700	133.884
Convergence	-01 00 56.40538	-01 00 56.40538
Scale Factor	0.999982498	0.999982498
Combined Factor	0.999961510	0.999961510
AZI051-2003	222252.17255 N	67742.59768 N
	1171228.42216 E	356991.13706 E
Elevation	447.09900	136.414

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Convergence	-01 00 51.42442	-01 00 51.42442
Scale Factor	0.999982624	0.999982624
Combined Factor	0.999961238	0.999961238
STA052-2003	265994.56344 N	81075.30509 N
	1207706.37511 E	368109.63935 E
Elevation	452.22900	137.990
Convergence	-00 56 13.15659	-00 56 13.15659
Scale Factor	0.999971288	0.999971288
Combined Factor	0.999949658	0.999949658
AZI052-2003	267026.57519 N	81389.86290 N
	1207885.66106 E	368164.28582 E
Elevation	455.74700	139.062
Convergence	-00 56 11.89073	-00 56 11.89073
Scale Factor	0.999971077	0.999971077
Combined Factor	0.999949278	0.999949278
STA053-2003	280285.67414 N	85431.24434 N
	1218741.52271 E	371473.15907 E
Elevation	448.15300	136.747
Convergence	-00 54 48.92401	-00 54 48.92401
Scale Factor	0.999968561	0.999968561
Combined Factor	0.999947125	0.999947125
AZI053-2003	280107.85156 N	85377.04391 N
	1219388.83710 E	371670.46089 E
Elevation	457.22400	139.512
Convergence	-00 54 43.85395	-00 54 43.85395
Scale Factor	0.999968589	0.999968589
Combined Factor	0.999946720	0.999946720

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Name	Input	Output
BK 09-01	250101.27398 N	76231.02077 N
	1176693.41896 E	358656.87141 E
Elevation	443.58500	135.346
Convergence	-01 00 12.69788	-01 00 12.69788
Scale Factor	0.999974961	0.999974961
Combined Factor	0.999953744	0.999953744
BL 09-01	248929.25965 N	75873.79009 N
	1178679.33274 E	359262.17914 E
Elevation	445.24300	135.852
Convergence	-00 59 57.07028	-00 59 57.07028
Scale Factor	0.999975238	0.999975238
Combined Factor	0.999953942	0.999953942
BO 08-02	243749.93384 N	74295.12842 N
	1173995.01370 E	357834.39584 E
Elevation	442.60500	135.046

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	Convergence	-01 00 32.84444		-01 00 32.84444	
	Scale Factor	0.999976558		0.999976558	
	Combined Factor	0.999955388		0.999955388	
TEMP		277936.26402 N		84715.14270 N	
		1206864.41526 E		367853.00948 E	
	Elevation	462.39600		141.086	
	Convergence	-00 56 21.24471		-00 56 21.24471	
	Scale Factor	0.999969005		0.999969005	
	Combined Factor	0.999946888		0.999946888	
J-334		186450.84276 N		56830.33053 N	
		1152251.39601 E		351206.92792 E	
	Elevation	437.52100		133.486	
	Convergence	-01 03 13.95481		-01 03 13.95481	
	Scale Factor	0.999995169		0.999995169	
	Combined Factor	0.999974242		0.999974242	