NGS OPUS-PROJECTS NETWORK ADJUSTMENT REPORT

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All coordinate accuracies reported here are 1 times the formal

uncertainties from the solution. For additional information:

geodesy.noaa.gov/OPUS/Using\_OPUS-Projects.html#accuracy

These positions were computed without any knowledge by the National

Geodetic Survey regarding the equipment or field operating procedures used.

SUBMITTED BY: sfernandez

SOLUTION FILE NAME: network-final-F.sum

SOLUTION SOFTWARE: GPSCOM(1504.22)

SOLUTION DATE: 2019-01-14T15:26:34 UTC

STANDARD ERROR OF UNIT WEIGHT: 0.693

TOTAL NUMBER OF OBSERVATIONS: 1868906

TOTAL NUMBER OF MARKS: 124

NUMBER OF CONSTRAINED MARKS: 21

START TIME: 2019-01-01T00:00:00 GPS

STOP TIME: 2019-01-10T19:59:30 GPS

FREQUENCY: L1 -> ION-FREE (L6)

OBSERVATION INTERVAL: 30 s

ELEVATION CUTOFF: 15 deg

TROPO INTERVAL: 1800 s [STEP-OFFSET PARAMETERIZATION]

DD CORRELATIONS: ON

INCLUDED SOLUTION RMS SOFTWARE RUN DATE

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1) 2019-001 F1 1.4 cm page5(1603.24) 2019-01-11T17:57 UTC

2) 2019-001 F2 1.4 cm page5(1603.24) 2019-01-14T11:51 UTC

3) 2019-001 F3 1.5 cm page5(1603.24) 2019-01-14T12:17 UTC

4) 2019-001 F4 1.3 cm page5(1603.24) 2019-01-14T12:04 UTC

5) 2019-010 A 1.2 cm page5(1603.24) 2019-01-10T15:44 UTC

BASELINE LENGTH RMS OBS OMITTED FIXED IN SOLUTION(S)

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utmn-uts2 4.824 km 0.8 cm 13353 6.0% 100.0% 5

fln1-upsa 18.127 km 1.0 cm 19221 1.6% 100.0% 4

utoc-utmn 18.797 km 1.7 cm 7869 8.5% 100.0% 3

mc01-mc03 20.657 km 0.8 cm 8563 0.5% 100.0% 1

nvpo-nvdb 23.129 km 1.5 cm 6782 8.0% 100.0% 1

p009-utju 26.107 km 1.3 cm 8189 4.5% 100.0% 3

azgv-azds 32.369 km 1.8 cm 8151 5.1% 100.0% 1

p009-utri 33.152 km 2.6 cm 6429 30.5% 97.8% 4

cof1-upsa 37.729 km 1.2 cm 19431 0.2% 100.0% 4

utl2-utmn 38.452 km 1.8 cm 7847 7.0% 98.7% 3

idby-idif 39.921 km 1.6 cm 7953 7.7% 100.0% 1

utmn-utem 41.767 km 2.3 cm 8241 3.5% 97.9% 2

p009-utbr 42.464 km 1.1 cm 8361 2.2% 100.0% 2

utmn-uthe 43.459 km 1.8 cm 8143 4.6% 100.0% 3

nvpo-nvnl 43.800 km 1.6 cm 6861 6.7% 99.1% 2

p675-p121 45.453 km 0.7 cm 8438 0.2% 100.0% 2

inv1-p146 49.822 km 1.6 cm 18421 5.3% 99.6% 4

p100-p121 49.873 km 1.0 cm 8409 0.5% 98.0% 2

p351-idha 51.366 km 1.4 cm 8496 0.7% 98.0% 1

utne-utmn 52.367 km 1.5 cm 8289 1.9% 100.0% 3

uthr-utmn 54.682 km 1.7 cm 8008 6.0% 100.0% 3

utpc-utmn 56.185 km 1.6 cm 8372 1.6% 100.0% 3

rno1-p146 60.364 km 1.2 cm 19195 0.6% 100.0% 4

utkm-utmn 60.978 km 1.4 cm 8251 3.2% 100.0% 3

p100-p675 61.893 km 0.9 cm 58065 0.4% 100.0% 1, 3, 4

utmn-utwb 62.896 km 1.7 cm 8101 4.4% 100.0% 4

p146-stea 64.719 km 1.3 cm 19219 0.8% 100.0% 4

utrs-p675 65.812 km 1.0 cm 8488 0.7% 100.0% 4

dot1-p146 69.795 km 1.2 cm 19162 0.8% 100.0% 4

p151-gerl 72.797 km 1.2 cm 19268 0.5% 100.0% 4

wwrf-p146 74.682 km 1.3 cm 19159 1.0% 100.0% 4

stea-p151 75.507 km 1.2 cm 19281 0.6% 100.0% 4

p675-idpo 76.327 km 0.9 cm 8524 0.4% 100.0% 1

zlc1-uts2 76.377 km 1.6 cm 14955 6.6% 100.0% 5

utmg-utmn 76.685 km 2.1 cm 8108 4.6% 91.7% 3

ssb2-p146 76.855 km 1.2 cm 19171 0.9% 100.0% 4

yer1-upsa 77.056 km 1.2 cm 19013 2.2% 100.0% 4

cti4-coco 78.113 km 1.3 cm 8576 0.3% 100.0% 1

upsa-wwrf 78.301 km 1.3 cm 19210 0.9% 100.0% 4

gard-p146 87.016 km 1.3 cm 19115 0.7% 99.1% 4

p008-azpg 90.075 km 1.0 cm 8411 2.1% 100.0% 1

p675-utln 90.199 km 1.5 cm 8116 4.9% 100.0% 3

egan-utgn 90.379 km 1.7 cm 8441 0.9% 100.0% 2

puc2-utmn 93.975 km 1.4 cm 13877 2.6% 100.0% 5

utp2-utmn 93.975 km 1.4 cm 8337 1.8% 100.0% 3

nvbc-azgv 96.464 km 1.8 cm 8047 5.8% 100.0% 1

utmt-utmn 97.780 km 1.7 cm 8308 2.3% 100.0% 3

mc01-utmb 105.600 km 1.2 cm 8419 1.4% 100.0% 3

nvh1-azgv 108.450 km 2.2 cm 8071 5.2% 100.0% 1

nvh2-azgv 110.935 km 1.8 cm 8162 4.0% 100.0% 1

cnc1-mc01 111.765 km 1.0 cm 3894 0.5% 100.0% 1

p146-p151 112.780 km 1.1 cm 57753 0.3% 100.0% 1, 2, 3

p675-utr1 121.993 km 1.1 cm 8375 1.2% 100.0% 4

utog-utmn 123.576 km 1.6 cm 8373 1.0% 100.0% 3

uthu-utmn 124.351 km 1.4 cm 8268 2.2% 98.7% 3

nvlv-azgv 126.189 km 1.9 cm 8208 3.3% 98.2% 1

p008-utmv 127.723 km 0.9 cm 7908 0.8% 100.0% 3

nvdb-azgv 130.743 km 1.9 cm 8041 5.3% 98.3% 1

upsa-p151 131.429 km 0.8 cm 57747 0.3% 100.0% 1, 2, 3

azgv-nvnl 132.364 km 1.8 cm 8217 3.2% 100.0% 2

nvpo-azgv 136.849 km 2.2 cm 29614 10.0% 100.0% 3, 4

cti4-utmc 138.136 km 1.4 cm 8492 0.9% 100.0% 3

nvkp-azgv 139.874 km 1.9 cm 8130 4.3% 98.0% 1

utrc-p675 141.052 km 1.3 cm 8317 1.0% 100.0% 4

mc01-utgv 141.454 km 1.0 cm 8420 1.1% 100.0% 2

cti4-utel 141.698 km 1.2 cm 8477 1.0% 100.0% 2

p032-wysi 147.243 km 1.5 cm 8398 0.6% 98.4% 4

burn-idmn 149.879 km 1.2 cm 8367 1.3% 100.0% 1

p030-zlc1 161.292 km 1.3 cm 14412 4.8% 100.0% 5

nvmq-azgv 173.202 km 2.0 cm 8163 3.4% 95.2% 1

utso-p675 173.691 km 1.6 cm 8253 1.2% 100.0% 4

mc01-utuc 174.074 km 1.2 cm 8360 1.1% 100.0% 4

egan-utwe 175.230 km 2.5 cm 7151 15.7% 81.3% 4

p009-puc2 176.953 km 1.0 cm 14769 2.4% 100.0% 5

p394-idmn 177.201 km 1.1 cm 8399 0.7% 100.0% 1

utsl-p675 177.800 km 1.0 cm 8257 2.0% 100.0% 4

utln-utmn 178.057 km 1.9 cm 7750 8.7% 100.0% 3

nvcs-azgv 181.791 km 1.8 cm 8038 5.0% 100.0% 1

utmn-utmn 185.061 km 1.7 cm 8282 1.8% 98.6% 3

p008-uttp 185.455 km 1.0 cm 8421 1.0% 100.0% 4

utwb-p675 185.892 km 1.2 cm 8297 1.2% 100.0% 4

p009-azpg 186.871 km 1.1 cm 8078 5.0% 100.0% 1

wyke-p675 187.049 km 1.0 cm 8286 1.2% 100.0% 4

utlt-utmn 188.492 km 1.4 cm 8253 1.7% 100.0% 3

utwa-p675 191.016 km 0.9 cm 8221 2.1% 100.0% 4

utmn-p009 192.580 km 1.3 cm 18247 4.4% 100.0% 1

utlo-utmn 193.551 km 1.8 cm 8193 2.1% 98.4% 3

idby-p675 194.277 km 1.3 cm 56796 1.1% 100.0% 2, 3, 4

utwe-p675 194.582 km 2.5 cm 7090 16.2% 97.3% 4

wydp-p675 196.462 km 1.2 cm 8275 1.2% 100.0% 4

egan-utmi 197.462 km 1.4 cm 8376 0.1% 100.0% 3

azgv-utsg 203.519 km 1.8 cm 8047 5.0% 98.2% 4

p121-utmn 206.330 km 1.3 cm 8153 1.6% 100.0% 2

idha-idby 206.803 km 1.6 cm 8199 2.8% 98.0% 1

utju-utmn 217.737 km 1.7 cm 8104 4.0% 100.0% 3

p008-utbl 221.570 km 1.0 cm 8342 1.5% 100.0% 2

p032-utmn 222.031 km 1.2 cm 8353 0.5% 97.9% 3

p032-cnc1 225.582 km 0.8 cm 3837 0.6% 100.0% 1

cti4-mc01 225.597 km 1.1 cm 19080 0.6% 100.0% 4

burn-p394 228.425 km 1.1 cm 54315 0.3% 98.4% 2, 3, 4

utmi-utmn 228.783 km 1.6 cm 8249 2.1% 100.0% 3

azgv-uthn 230.905 km 2.1 cm 8004 5.4% 97.8% 3

wybf-p675 233.104 km 1.2 cm 8284 0.8% 100.0% 4

p351-idby 236.188 km 1.3 cm 56232 1.4% 100.0% 2, 3, 4

utmb-utmn 248.070 km 1.5 cm 8163 3.3% 100.0% 3

egan-p009 254.455 km 1.0 cm 18745 1.7% 100.0% 1

utbe-nvpo 254.547 km 1.4 cm 6792 6.2% 100.0% 2

utta-p675 266.709 km 1.2 cm 8300 0.7% 100.0% 4

p394-p351 267.824 km 0.9 cm 56736 0.2% 99.1% 2, 3, 4

gerl-burn 268.152 km 1.3 cm 18053 0.5% 100.0% 4

utls-utmn 286.114 km 1.4 cm 8276 1.6% 100.0% 3

utce-nvpo 289.538 km 1.4 cm 6586 9.4% 98.5% 2

wyrs-p675 299.667 km 1.1 cm 8248 0.8% 100.0% 4

azpg-azgv 311.311 km 1.8 cm 7892 6.4% 98.2% 1

utro-p675 312.261 km 0.9 cm 8205 1.7% 100.0% 4

p032-mc01 313.542 km 0.8 cm 18945 0.2% 100.0% 2

utuc-p675 330.844 km 1.1 cm 8233 0.7% 100.0% 4

p151-burn 333.562 km 1.0 cm 53991 0.2% 100.0% 1, 2, 3

utka-utmn 353.045 km 1.7 cm 7950 5.2% 100.0% 3

wysi-p675 353.594 km 1.5 cm 8168 1.2% 100.0% 4

utgn-nvpo 355.342 km 1.7 cm 6580 8.9% 97.2% 2

uthn-utmn 360.338 km 1.9 cm 7898 5.6% 100.0% 3

utbr-nvpo 362.171 km 1.3 cm 6669 7.4% 99.2% 2

idbo-idby 362.495 km 1.6 cm 8205 1.3% 100.0% 1

utmv-utmn 370.400 km 1.4 cm 7618 2.2% 98.4% 3

idmn-idby 371.689 km 1.4 cm 8115 2.3% 100.0% 1

utmc-utmn 377.058 km 1.4 cm 8157 2.5% 98.0% 3

utri-p675 386.596 km 2.6 cm 6403 26.7% 95.2% 4

utfi-nvpo 436.379 km 1.6 cm 6657 7.1% 98.4% 2

utde-nvpo 456.521 km 1.6 cm 6584 7.7% 100.0% 2

idss-mc01 475.019 km 0.9 cm 8205 0.4% 97.8% 1

p106-nvpo 482.063 km 1.3 cm 6664 6.6% 99.2% 2

utha-nvpo 501.763 km 1.5 cm 6587 7.8% 98.3% 2

uttp-p675 511.941 km 0.9 cm 8161 0.7% 98.0% 4

idpo-mc01 532.393 km 1.0 cm 8137 0.7% 97.9% 1

p016-nvpo 533.841 km 1.2 cm 6575 7.1% 100.0% 2

ute2-nvpo 535.011 km 1.5 cm 6580 7.5% 99.2% 2

coco-azgv 554.678 km 1.8 cm 8013 2.7% 98.5% 1

idbf-mc01 563.910 km 1.1 cm 7968 2.5% 100.0% 1

utbl-nvpo 567.968 km 1.4 cm 6495 8.3% 98.3% 2

idif-mc01 573.264 km 1.3 cm 7876 3.7% 98.8% 1

utgk-nvpo 575.842 km 2.1 cm 6507 8.2% 100.0% 2

utem-nvpo 576.846 km 2.2 cm 6519 8.3% 95.0% 2

utgr-nvpo 579.160 km 1.5 cm 6534 8.0% 99.2% 2

utgv-nvpo 580.134 km 1.3 cm 6516 8.4% 100.0% 2

utsg-p675 582.228 km 1.0 cm 7932 2.9% 97.8% 4

idru-mc01 591.819 km 1.0 cm 8019 1.7% 100.0% 1

utdr-nvpo 598.440 km 1.6 cm 6426 9.7% 96.7% 2

utel-nvpo 602.768 km 1.3 cm 6540 8.0% 98.0% 2

mc04-azgv 604.644 km 1.8 cm 7929 3.5% 100.0% 1

mc09-azgv 606.973 km 1.7 cm 7956 2.9% 100.0% 1

utcr-nvpo 607.829 km 1.6 cm 6047 16.8% 98.3% 2

utbo-nvpo 631.115 km 1.8 cm 6027 16.4% 98.5% 2

utai-nvpo 633.117 km 1.5 cm 6582 6.9% 99.1% 2

idtf-mc01 633.384 km 1.4 cm 3605 0.4% 100.0% 1

utd2-nvpo 646.908 km 1.7 cm 6471 8.5% 97.6% 2

mc03-azgv 656.163 km 1.7 cm 7991 2.3% 98.0% 1

utec-nvpo 678.639 km 1.5 cm 6433 7.8% 97.4% 2

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UNCONSTRAINED MARKS

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MARK: azds (azds 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2143528.392 m 0.001 m -2143529.291 m 0.001 m

Y: -4734336.142 m 0.001 m -4734334.811 m 0.001 m

Z: 3686666.247 m 0.001 m 3686666.106 m 0.001 m

LAT: 35 31 59.26607 0.000 m 35 31 59.27822 0.000 m

E LON: 245 38 26.80881 0.000 m 245 38 26.75451 0.000 m

W LON: 114 21 33.19119 0.000 m 114 21 33.24549 0.000 m

EL HGT: 871.389 m 0.001 m 870.621 m 0.001 m

ORTHO HGT: 899.920 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (0203 AZ W)

NORTHING (Y) 3935375.775 m 502904.066 m

EASTING (X) 739429.901 m 158111.908 m

CONVERGENCE 1.53548056 deg 0.35407222 deg

POINT SCALE 1.00030650 0.99997093

COMBINED FACTOR 1.00016971 0.99983418

US NATIONAL GRID DESIGNATOR: 11SQV3942935375 (NAD 83)

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MARK: azpg (azpg 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1868673.073 m 0.000 m -1868673.962 m 0.000 m

Y: -4752980.277 m 0.001 m -4752978.949 m 0.001 m

Z: 3810075.573 m 0.001 m 3810075.442 m 0.001 m

LAT: 36 54 31.19165 0.000 m 36 54 31.20599 0.000 m

E LON: 248 32 14.36344 0.000 m 248 32 14.31041 0.000 m

W LON: 111 27 45.63656 0.000 m 111 27 45.68959 0.000 m

EL HGT: 1302.742 m 0.001 m 1301.936 m 0.001 m

ORTHO HGT: 1326.237 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0202 AZ C)

NORTHING (Y) 4084840.229 m 655431.226 m

EASTING (X) 458783.522 m 253814.752 m

CONVERGENCE 0.27786111 deg 0.27264444 deg

POINT SCALE 0.99962093 0.99992016

COMBINED FACTOR 0.99941661 0.99971577

US NATIONAL GRID DESIGNATOR: 12SVF5878384840 (NAD 83)

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MARK: cnc1 (cnc1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0005)

X: -1574541.114 m 0.001 m -1574542.016 m 0.001 m

Y: -4627947.630 m 0.001 m -4627946.325 m 0.001 m

Z: 4085603.244 m 0.001 m 4085603.138 m 0.001 m

LAT: 40 04 37.56800 0.000 m 40 04 37.58508 0.000 m

E LON: 251 12 37.57730 0.000 m 251 12 37.52352 0.000 m

W LON: 108 47 22.42270 0.000 m 108 47 22.47648 0.000 m

EL HGT: 1651.419 m 0.002 m 1650.628 m 0.002 m

ORTHO HGT: 1667.958 m 0.025 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0501 CO N)

NORTHING (Y) 4438656.224 m 392584.988 m

EASTING (X) 688478.043 m 633884.829 m

CONVERGENCE 1.42353889 deg -2.12549722 deg

POINT SCALE 1.00003733 0.99996141

COMBINED FACTOR 0.99977832 0.99970242

US NATIONAL GRID DESIGNATOR: 12TXK8847838656 (NAD 83)

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MARK: coco (coco 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1622263.227 m 0.000 m -1622264.113 m 0.000 m

Y: -4815626.039 m 0.001 m -4815624.704 m 0.001 m

Z: 3844745.501 m 0.001 m 3844745.369 m 0.001 m

LAT: 37 17 48.64463 0.000 m 37 17 48.66052 0.000 m

E LON: 251 22 57.44578 0.000 m 251 22 57.39441 0.000 m

W LON: 108 37 02.55422 0.000 m 108 37 02.60559 0.000 m

EL HGT: 1804.649 m 0.001 m 1803.787 m 0.001 m

ORTHO HGT: 1824.288 m 0.025 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0503 CO S)

NORTHING (Y) 4130464.864 m 379352.062 m

EASTING (X) 711185.853 m 638055.705 m

CONVERGENCE 1.44427222 deg -1.91213056 deg

POINT SCALE 1.00014942 0.99998908

COMBINED FACTOR 0.99986626 0.99970597

US NATIONAL GRID DESIGNATOR: 12SYG1118530464 (NAD 83)

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MARK: cof1 (cof1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2404166.724 m 0.000 m -2404167.671 m 0.000 m

Y: -4294597.775 m 0.001 m -4294596.461 m 0.001 m

Z: 4045091.778 m 0.001 m 4045091.718 m 0.001 m

LAT: 39 36 18.05110 0.000 m 39 36 18.06373 0.000 m

E LON: 240 45 33.77140 0.000 m 240 45 33.70986 0.000 m

W LON: 119 14 26.22860 0.000 m 119 14 26.29014 0.000 m

EL HGT: 1252.486 m 0.001 m 1251.921 m 0.001 m

ORTHO HGT: 1276.625 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4386317.648 m 4538967.614 m

EASTING (X) 307634.725 m 743555.190 m

CONVERGENCE -1.42881389 deg 0.41902500 deg

POINT SCALE 1.00005561 0.99993921

COMBINED FACTOR 0.99985914 0.99974276

US NATIONAL GRID DESIGNATOR: 11SLD0763486317 (NAD 83)

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MARK: dot1 (dot1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2459013.424 m 0.000 m -2459014.379 m 0.000 m

Y: -4300042.142 m 0.001 m -4300040.814 m 0.001 m

Z: 4006672.376 m 0.001 m 4006672.321 m 0.001 m

LAT: 39 09 22.30098 0.000 m 39 09 22.31348 0.000 m

E LON: 240 14 11.66972 0.000 m 240 14 11.60774 0.000 m

W LON: 119 45 48.33028 0.000 m 119 45 48.39226 0.000 m

EL HGT: 1416.339 m 0.001 m 1415.778 m 0.001 m

ORTHO HGT: 1440.775 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4337747.495 m 4489600.303 m

EASTING (X) 261218.223 m 698006.757 m

CONVERGENCE -1.74575278 deg 0.74521667 deg

POINT SCALE 1.00030211 1.00002805

COMBINED FACTOR 1.00007988 0.99980588

US NATIONAL GRID DESIGNATOR: 11SKD6121837747 (NAD 83)

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MARK: fln1 (fln1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2373022.483 m 0.000 m -2373023.424 m 0.000 m

Y: -4322991.318 m 0.001 m -4322990.005 m 0.001 m

Z: 4033198.147 m 0.001 m 4033198.083 m 0.001 m

LAT: 39 27 59.82865 0.000 m 39 27 59.84143 0.000 m

E LON: 241 14 10.56021 0.000 m 241 14 10.49927 0.000 m

W LON: 118 45 49.43979 0.000 m 118 45 49.50073 0.000 m

EL HGT: 1187.861 m 0.001 m 1187.281 m 0.001 m

ORTHO HGT: 1212.423 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4370044.469 m 4523412.864 m

EASTING (X) 348278.786 m 784477.312 m

CONVERGENCE -1.12129167 deg 0.11466667 deg

POINT SCALE 0.99988342 0.99990297

COMBINED FACTOR 0.99969712 0.99971666

US NATIONAL GRID DESIGNATOR: 11SLD4827870044 (NAD 83)

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MARK: gard (gard 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2462137.095 m 0.000 m -2462138.048 m 0.000 m

Y: -4317957.193 m 0.001 m -4317955.861 m 0.001 m

Z: 3985701.848 m 0.001 m 3985701.794 m 0.001 m

LAT: 38 54 44.92548 0.000 m 38 54 44.93808 0.000 m

E LON: 240 18 28.19501 0.000 m 240 18 28.13328 0.000 m

W LON: 119 41 31.80499 0.000 m 119 41 31.86672 0.000 m

EL HGT: 1496.984 m 0.001 m 1496.416 m 0.001 m

ORTHO HGT: 1521.625 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4310510.474 m 4462467.916 m

EASTING (X) 266575.226 m 703835.751 m

CONVERGENCE -1.69180000 deg 0.69654722 deg

POINT SCALE 1.00027099 1.00001384

COMBINED FACTOR 1.00003611 0.99977902

US NATIONAL GRID DESIGNATOR: 11SKD6657510510 (NAD 83)

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MARK: gerl (gerl 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2376482.842 m 0.000 m -2376483.791 m 0.000 m

Y: -4224324.909 m 0.001 m -4224323.615 m 0.001 m

Z: 4133768.697 m 0.001 m 4133768.640 m 0.001 m

LAT: 40 38 59.29766 0.000 m 40 38 59.31024 0.000 m

E LON: 240 38 20.95705 0.000 m 240 38 20.89485 0.000 m

W LON: 119 21 39.04295 0.000 m 119 21 39.10515 0.000 m

EL HGT: 1187.300 m 0.001 m 1186.760 m 0.001 m

ORTHO HGT: 1210.057 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4502563.012 m 4655050.778 m

EASTING (X) 300393.483 m 734245.151 m

CONVERGENCE -1.53844167 deg 0.50651667 deg

POINT SCALE 1.00009044 0.99995320

COMBINED FACTOR 0.99990421 0.99976700

US NATIONAL GRID DESIGNATOR: 11TLF0039302563 (NAD 83)

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MARK: idbf (idbf 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1781024.308 m 0.000 m -1781025.242 m 0.000 m

Y: -4303869.227 m 0.001 m -4303867.970 m 0.001 m

Z: 4344586.512 m 0.001 m 4344586.432 m 0.001 m

LAT: 43 11 56.97227 0.000 m 43 11 56.98820 0.000 m

E LON: 247 31 09.41630 0.000 m 247 31 09.35680 0.000 m

W LON: 112 28 50.58370 0.000 m 112 28 50.64320 0.000 m

EL HGT: 1357.772 m 0.001 m 1357.131 m 0.001 m

ORTHO HGT: 1370.366 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (1101 ID E)

NORTHING (Y) 4783995.678 m 170270.779 m

EASTING (X) 379698.812 m 174476.174 m

CONVERGENCE -1.01372778 deg 0.21498056 deg

POINT SCALE 0.99977803 0.99995538

COMBINED FACTOR 0.99956520 0.99974251

US NATIONAL GRID DESIGNATOR: 12TUN7969883995 (NAD 83)

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MARK: idbo (idbo 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2047876.945 m 0.000 m -2047877.887 m 0.000 m

Y: -4148734.693 m 0.001 m -4148733.449 m 0.001 m

Z: 4376777.345 m 0.001 m 4376777.282 m 0.001 m

LAT: 43 36 08.90509 0.000 m 43 36 08.91922 0.000 m

E LON: 243 43 42.13415 0.000 m 243 43 42.07195 0.000 m

W LON: 116 16 17.86585 0.000 m 116 16 17.92805 0.000 m

EL HGT: 817.916 m 0.001 m 817.367 m 0.001 m

ORTHO HGT: 834.861 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (1103 ID W)

NORTHING (Y) 4827979.701 m 215158.211 m

EASTING (X) 558785.029 m 757886.542 m

CONVERGENCE 0.50233611 deg 0.35974722 deg

POINT SCALE 0.99964250 0.99995514

COMBINED FACTOR 0.99951430 0.99982690

US NATIONAL GRID DESIGNATOR: 11TNJ5878527979 (NAD 83)

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MARK: idha (idha 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1907803.523 m 0.000 m -1907804.463 m 0.000 m

Y: -4222695.900 m 0.001 m -4222694.649 m 0.001 m

Z: 4370554.453 m 0.001 m 4370554.383 m 0.001 m

LAT: 43 31 05.93520 0.000 m 43 31 05.95035 0.000 m

E LON: 245 41 11.99627 0.000 m 245 41 11.93520 0.000 m

W LON: 114 18 48.00373 0.000 m 114 18 48.06480 0.000 m

EL HGT: 1621.961 m 0.001 m 1621.368 m 0.001 m

ORTHO HGT: 1634.878 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (1102 ID C)

NORTHING (Y) 4821882.355 m 205726.912 m

EASTING (X) 717140.247 m 474667.545 m

CONVERGENCE 1.85072222 deg 0.21575833 deg

POINT SCALE 1.00018001 0.99995526

COMBINED FACTOR 0.99992568 0.99970099

US NATIONAL GRID DESIGNATOR: 11TQJ1714021882 (NAD 83)

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MARK: idif (idif 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1739642.425 m 0.000 m -1739643.359 m 0.000 m

Y: -4294543.159 m 0.001 m -4294541.908 m 0.001 m

Z: 4370449.433 m 0.001 m 4370449.353 m 0.001 m

LAT: 43 31 06.88192 0.000 m 43 31 06.89807 0.000 m

E LON: 247 56 52.84708 0.000 m 247 56 52.78766 0.000 m

W LON: 112 03 07.15292 0.000 m 112 03 07.21234 0.000 m

EL HGT: 1438.670 m 0.001 m 1438.028 m 0.001 m

ORTHO HGT: 1450.367 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (1101 ID E)

NORTHING (Y) 4818942.147 m 205714.820 m

EASTING (X) 414978.650 m 209271.585 m

CONVERGENCE 0.72443056 deg 0.07896667 deg

POINT SCALE 0.99968891 0.99994843

COMBINED FACTOR 0.99946343 0.99972289

US NATIONAL GRID DESIGNATOR: 12TVP1497818942 (NAD 83)

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MARK: idmn (idmn 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2056057.985 m 0.000 m -2056058.928 m 0.000 m

Y: -4144356.191 m 0.001 m -4144354.945 m 0.001 m

Z: 4377042.926 m 0.001 m 4377042.865 m 0.001 m

LAT: 43 36 21.74452 0.000 m 43 36 21.75866 0.000 m

E LON: 243 36 48.65279 0.000 m 243 36 48.59045 0.000 m

W LON: 116 23 11.34721 0.000 m 116 23 11.40955 0.000 m

EL HGT: 786.899 m 0.001 m 786.352 m 0.001 m

ORTHO HGT: 803.938 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (1103 ID W)

NORTHING (Y) 4828300.933 m 215619.074 m

EASTING (X) 549512.340 m 748616.730 m

CONVERGENCE 0.42314722 deg 0.43899167 deg

POINT SCALE 0.99963015 0.99996580

COMBINED FACTOR 0.99950682 0.99984242

US NATIONAL GRID DESIGNATOR: 11TNJ4951228300 (NAD 83)

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MARK: idpo (idpo 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1787003.997 m 0.000 m -1787004.935 m 0.000 m

Y: -4328787.332 m 0.001 m -4328786.068 m 0.001 m

Z: 4317505.301 m 0.001 m 4317505.220 m 0.001 m

LAT: 42 51 55.99520 0.000 m 42 51 56.01113 0.000 m

E LON: 247 34 05.71250 0.000 m 247 34 05.65306 0.000 m

W LON: 112 25 54.28750 0.000 m 112 25 54.34694 0.000 m

EL HGT: 1380.043 m 0.001 m 1379.394 m 0.001 m

ORTHO HGT: 1392.703 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (1101 ID E)

NORTHING (Y) 4746879.177 m 133197.659 m

EASTING (X) 383045.655 m 178339.199 m

CONVERGENCE 0.97410000 deg 0.18033056 deg

POINT SCALE 0.99976828 0.99995314

COMBINED FACTOR 0.99955195 0.99973677

US NATIONAL GRID DESIGNATOR: 12TUN8304546879 (NAD 83)

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MARK: idru (idru 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1891950.445 m 0.000 m -1891951.379 m 0.000 m

Y: -4300690.312 m 0.001 m -4300689.050 m 0.001 m

Z: 4300780.939 m 0.001 m 4300780.862 m 0.001 m

LAT: 42 39 41.37793 0.000 m 42 39 41.39319 0.000 m

E LON: 246 15 16.01613 0.000 m 246 15 15.95628 0.000 m

W LON: 113 44 43.98387 0.000 m 113 44 44.04372 0.000 m

EL HGT: 1264.542 m 0.001 m 1263.917 m 0.001 m

ORTHO HGT: 1278.882 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (1102 ID C)

NORTHING (Y) 4726880.336 m 110527.472 m

EASTING (X) 274982.949 m 520860.452 m

CONVERGENCE -1.86134444 deg 0.17243056 deg

POINT SCALE 1.00022298 0.99995272

COMBINED FACTOR 1.00002466 0.99975445

US NATIONAL GRID DESIGNATOR: 12TTN7498226880 (NAD 83)

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MARK: idss (idss 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1727846.907 m 0.000 m -1727847.833 m 0.000 m

Y: -4367636.530 m 0.001 m -4367635.265 m 0.001 m

Z: 4303180.196 m 0.001 m 4303180.112 m 0.001 m

LAT: 42 41 10.57580 0.000 m 42 41 10.59214 0.000 m

E LON: 248 24 58.09060 0.000 m 248 24 58.03238 0.000 m

W LON: 111 35 01.90940 0.000 m 111 35 01.96762 0.000 m

EL HGT: 1817.977 m 0.001 m 1817.306 m 0.001 m

ORTHO HGT: 1830.093 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (1101 ID E)

NORTHING (Y) 4726141.922 m 113413.036 m

EASTING (X) 452168.756 m 247760.934 m

CONVERGENCE 0.39585833 deg 0.39513889 deg

POINT SCALE 0.99962815 0.99997542

COMBINED FACTOR 0.99934323 0.99969040

US NATIONAL GRID DESIGNATOR: 12TVN5216826141 (NAD 83)

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MARK: idtf (idtf 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0005)

X: -1949038.083 m 0.001 m -1949039.018 m 0.001 m

Y: -4281738.128 m 0.001 m -4281736.866 m 0.001 m

Z: 4294036.984 m 0.001 m 4294036.909 m 0.001 m

LAT: 42 34 48.47593 0.000 m 42 34 48.49084 0.000 m

E LON: 245 31 30.26244 0.000 m 245 31 30.20219 0.000 m

W LON: 114 28 29.73756 0.000 m 114 28 29.79781 0.000 m

EL HGT: 1128.653 m 0.002 m 1128.041 m 0.002 m

ORTHO HGT: 1143.934 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (1102 ID C)

NORTHING (Y) 4717281.470 m 101567.798 m

EASTING (X) 707216.123 m 461013.361 m

CONVERGENCE 1.70912222 deg 0.32135000 deg

POINT SCALE 1.00012831 0.99996606

COMBINED FACTOR 0.99995131 0.99978909

US NATIONAL GRID DESIGNATOR: 11TQH0721617281 (NAD 83)

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MARK: inv1 (inv1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2471379.274 m 0.000 m -2471380.232 m 0.000 m

Y: -4285650.750 m 0.001 m -4285649.422 m 0.001 m

Z: 4015264.614 m 0.001 m 4015264.560 m 0.001 m

LAT: 39 15 07.68869 0.000 m 39 15 07.70111 0.000 m

E LON: 240 01 46.24086 0.000 m 240 01 46.17860 0.000 m

W LON: 119 58 13.75914 0.000 m 119 58 13.82140 0.000 m

EL HGT: 1948.495 m 0.001 m 1947.941 m 0.001 m

ORTHO HGT: 1972.289 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4348963.335 m 4500504.404 m

EASTING (X) 243672.449 m 680272.979 m

CONVERGENCE -1.88055278 deg 0.87780556 deg

POINT SCALE 1.00040907 1.00007644

COMBINED FACTOR 1.00010334 0.99977081

US NATIONAL GRID DESIGNATOR: 11SKD4367248963 (NAD 83)

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MARK: mc03 (mc03 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1589891.704 m 0.000 m -1589892.601 m 0.000 m

Y: -4688883.732 m 0.001 m -4688882.417 m 0.001 m

Z: 4009554.408 m 0.001 m 4009554.294 m 0.001 m

LAT: 39 11 23.78498 0.000 m 39 11 23.80170 0.000 m

E LON: 251 16 09.81961 0.000 m 251 16 09.76662 0.000 m

W LON: 108 43 50.18039 0.000 m 108 43 50.23338 0.000 m

EL HGT: 1379.984 m 0.001 m 1379.170 m 0.001 m

ORTHO HGT: 1397.253 m 0.025 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0502 CO C)

NORTHING (Y) 4340308.221 m 460355.959 m

EASTING (X) 695994.793 m 635372.220 m

CONVERGENCE 1.43447222 deg -2.03750833 deg

POINT SCALE 1.00007301 0.99993711

COMBINED FACTOR 0.99985653 0.99972066

US NATIONAL GRID DESIGNATOR: 12SXJ9599440308 (NAD 83)

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MARK: mc04 (mc04 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1621264.011 m 0.000 m -1621264.905 m 0.000 m

Y: -4715485.572 m 0.001 m -4715484.253 m 0.001 m

Z: 3965883.982 m 0.001 m 3965883.863 m 0.001 m

LAT: 38 41 02.97494 0.000 m 38 41 02.99131 0.000 m

E LON: 251 01 34.17642 0.000 m 251 01 34.12372 0.000 m

W LON: 108 58 25.82358 0.000 m 108 58 25.87628 0.000 m

EL HGT: 1401.690 m 0.001 m 1400.869 m 0.001 m

ORTHO HGT: 1419.963 m 0.025 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0502 CO C)

NORTHING (Y) 4283676.497 m 405026.517 m

EASTING (X) 676234.206 m 612227.384 m

CONVERGENCE 1.26673056 deg -2.19091389 deg

POINT SCALE 0.99998248 0.99996222

COMBINED FACTOR 0.99976260 0.99974235

US NATIONAL GRID DESIGNATOR: 12SXH7623483676 (NAD 83)

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MARK: mc09 (mc09 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1596798.599 m 0.000 m -1596799.490 m 0.000 m

Y: -4756284.738 m 0.001 m -4756283.413 m 0.001 m

Z: 3927793.556 m 0.001 m 3927793.433 m 0.001 m

LAT: 38 14 35.61425 0.000 m 38 14 35.63062 0.000 m

E LON: 251 26 30.71682 0.000 m 251 26 30.66475 0.000 m

W LON: 108 33 29.28318 0.000 m 108 33 29.33525 0.000 m

EL HGT: 1793.806 m 0.001 m 1792.966 m 0.001 m

ORTHO HGT: 1812.392 m 0.025 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0503 CO S)

NORTHING (Y) 4235621.724 m 484158.485 m

EASTING (X) 713694.536 m 646743.577 m

CONVERGENCE 1.51208889 deg -1.87579167 deg

POINT SCALE 1.00016243 0.99997083

COMBINED FACTOR 0.99988100 0.99968945

US NATIONAL GRID DESIGNATOR: 12SYH1369435621 (NAD 83)

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MARK: nvbc (nvbc 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2172279.086 m 0.001 m -2172279.992 m 0.001 m

Y: -4689698.212 m 0.001 m -4689696.887 m 0.001 m

Z: 3726184.110 m 0.001 m 3726183.972 m 0.001 m

LAT: 35 58 22.06449 0.000 m 35 58 22.07652 0.000 m

E LON: 245 08 46.74637 0.000 m 245 08 46.69132 0.000 m

W LON: 114 51 13.25363 0.000 m 114 51 13.30868 0.000 m

EL HGT: 740.412 m 0.001 m 739.666 m 0.001 m

ORTHO HGT: 768.740 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 3983060.849 m 8135898.350 m

EASTING (X) 693523.145 m 265804.657 m

CONVERGENCE 1.26114167 deg 0.42861389 deg

POINT SCALE 1.00006149 0.99995334

COMBINED FACTOR 0.99994529 0.99983715

US NATIONAL GRID DESIGNATOR: 11SPV9352383060 (NAD 83)

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MARK: nvcs (nvcs 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2155163.831 m 0.001 m -2155164.741 m 0.001 m

Y: -4637604.657 m 0.001 m -4637603.339 m 0.001 m

Z: 3799995.383 m 0.001 m 3799995.252 m 0.001 m

LAT: 36 47 57.59036 0.000 m 36 47 57.60273 0.000 m

E LON: 245 04 30.02265 0.000 m 245 04 29.96696 0.000 m

W LON: 114 55 29.97735 0.000 m 114 55 30.03304 0.000 m

EL HGT: 685.820 m 0.001 m 685.092 m 0.001 m

ORTHO HGT: 712.193 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 4074620.336 m 8227562.653 m

EASTING (X) 685121.474 m 258748.038 m

CONVERGENCE 1.24331111 deg 0.39436667 deg

POINT SCALE 1.00002221 0.99994251

COMBINED FACTOR 0.99991459 0.99983490

US NATIONAL GRID DESIGNATOR: 11SPA8512174620 (NAD 83)

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MARK: nvdb (nvdb 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2204829.037 m 0.001 m -2204829.945 m 0.001 m

Y: -4666961.171 m 0.001 m -4666959.848 m 0.001 m

Z: 3735571.967 m 0.001 m 3735571.830 m 0.001 m

LAT: 36 04 38.15519 0.000 m 36 04 38.16704 0.000 m

E LON: 244 42 44.56112 0.000 m 244 42 44.50572 0.000 m

W LON: 115 17 15.43888 0.000 m 115 17 15.49428 0.000 m

EL HGT: 760.286 m 0.001 m 759.553 m 0.001 m

ORTHO HGT: 787.968 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 3993875.424 m 8147283.428 m

EASTING (X) 654188.977 m 226633.773 m

CONVERGENCE 1.00857778 deg 0.17413889 deg

POINT SCALE 0.99989294 0.99990874

COMBINED FACTOR 0.99977364 0.99978944

US NATIONAL GRID DESIGNATOR: 11SPV5418893875 (NAD 83)

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MARK: nvh1 (nvh1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2181211.791 m 0.001 m -2181212.698 m 0.001 m

Y: -4681307.311 m 0.001 m -4681305.986 m 0.001 m

Z: 3731237.375 m 0.001 m 3731237.237 m 0.001 m

LAT: 36 01 48.03039 0.000 m 36 01 48.04238 0.000 m

E LON: 245 01 02.17377 0.000 m 245 01 02.11859 0.000 m

W LON: 114 58 57.82623 0.000 m 114 58 57.88141 0.000 m

EL HGT: 599.134 m 0.001 m 598.391 m 0.001 m

ORTHO HGT: 627.423 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 3989159.327 m 8142166.729 m

EASTING (X) 681754.558 m 254127.027 m

CONVERGENCE 1.18690278 deg 0.35328889 deg

POINT SCALE 1.00000706 0.99993609

COMBINED FACTOR 0.99991303 0.99984207

US NATIONAL GRID DESIGNATOR: 11SPV8175489159 (NAD 83)

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MARK: nvh2 (nvh2 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2192352.607 m 0.001 m -2192353.513 m 0.001 m

Y: -4680079.981 m 0.001 m -4680078.657 m 0.001 m

Z: 3726571.051 m 0.001 m 3726570.913 m 0.001 m

LAT: 35 58 36.84529 0.000 m 35 58 36.85719 0.000 m

E LON: 244 53 58.44782 0.000 m 244 53 58.39264 0.000 m

W LON: 115 06 01.55218 0.000 m 115 06 01.60736 0.000 m

EL HGT: 771.419 m 0.001 m 770.678 m 0.001 m

ORTHO HGT: 799.519 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 3983054.651 m 8136215.555 m

EASTING (X) 671263.341 m 243548.740 m

CONVERGENCE 1.11619167 deg 0.28368889 deg

POINT SCALE 0.99996142 0.99992336

COMBINED FACTOR 0.99984037 0.99980231

US NATIONAL GRID DESIGNATOR: 11SPV7126383054 (NAD 83)

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MARK: nvkp (nvkp 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2166712.716 m 0.001 m -2166713.624 m 0.001 m

Y: -4662105.524 m 0.001 m -4662104.203 m 0.001 m

Z: 3763486.486 m 0.001 m 3763486.351 m 0.001 m

LAT: 36 23 22.99115 0.000 m 36 23 23.00332 0.000 m

E LON: 245 04 24.09313 0.000 m 245 04 24.03774 0.000 m

W LON: 114 55 35.90687 0.000 m 114 55 35.96226 0.000 m

EL HGT: 667.706 m 0.001 m 666.970 m 0.001 m

ORTHO HGT: 694.986 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 4029172.103 m 8182110.772 m

EASTING (X) 685955.317 m 258911.622 m

CONVERGENCE 1.23042500 deg 0.38961111 deg

POINT SCALE 1.00002606 0.99994275

COMBINED FACTOR 0.99992128 0.99983798

US NATIONAL GRID DESIGNATOR: 11SPA8595529172 (NAD 83)

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MARK: nvlv (nvlv 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2196311.446 m 0.001 m -2196312.354 m 0.001 m

Y: -4669454.703 m 0.001 m -4669453.380 m 0.001 m

Z: 3737272.460 m 0.001 m 3737272.323 m 0.001 m

LAT: 36 05 49.03419 0.000 m 36 05 49.04611 0.000 m

E LON: 244 48 34.97990 0.000 m 244 48 34.92455 0.000 m

W LON: 115 11 25.02010 0.000 m 115 11 25.07545 0.000 m

EL HGT: 649.634 m 0.001 m 648.898 m 0.001 m

ORTHO HGT: 677.597 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 3996218.252 m 8149498.917 m

EASTING (X) 662913.936 m 235391.952 m

CONVERGENCE 1.06643611 deg 0.23156944 deg

POINT SCALE 0.99992703 0.99991543

COMBINED FACTOR 0.99982509 0.99981349

US NATIONAL GRID DESIGNATOR: 11SPV6291396218 (NAD 83)

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MARK: nvmq (nvmq 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2087068.615 m 0.000 m -2087069.523 m 0.000 m

Y: -4667729.260 m 0.001 m -4667727.940 m 0.001 m

Z: 3800783.532 m 0.001 m 3800783.400 m 0.001 m

LAT: 36 48 34.31798 0.000 m 36 48 34.33076 0.000 m

E LON: 245 54 33.42124 0.000 m 245 54 33.36608 0.000 m

W LON: 114 05 26.57876 0.000 m 114 05 26.63392 0.000 m

EL HGT: 488.109 m 0.001 m 487.362 m 0.001 m

ORTHO HGT: 514.686 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 4077693.412 m 8229532.062 m

EASTING (X) 759532.579 m 333181.962 m

CONVERGENCE 1.74409167 deg 0.89444167 deg

POINT SCALE 1.00042990 1.00011845

COMBINED FACTOR 1.00035327 1.00004185

US NATIONAL GRID DESIGNATOR: 11SQA5953277693 (NAD 83)

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MARK: nvnl (nvnl 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2187849.144 m 0.001 m -2187850.052 m 0.001 m

Y: -4665010.449 m 0.001 m -4665009.127 m 0.001 m

Z: 3747550.207 m 0.001 m 3747550.071 m 0.001 m

LAT: 36 12 44.08344 0.000 m 36 12 44.09544 0.000 m

E LON: 244 52 25.79877 0.000 m 244 52 25.74340 0.000 m

W LON: 115 07 34.20123 0.000 m 115 07 34.25660 0.000 m

EL HGT: 560.433 m 0.001 m 559.698 m 0.001 m

ORTHO HGT: 588.468 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 4009117.547 m 8162315.956 m

EASTING (X) 668439.564 m 241105.089 m

CONVERGENCE 1.10728056 deg 0.27008889 deg

POINT SCALE 0.99994959 0.99992081

COMBINED FACTOR 0.99986164 0.99983287

US NATIONAL GRID DESIGNATOR: 11SPA6843909117 (NAD 83)

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MARK: p016 (p016 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1859798.221 m 0.000 m -1859799.141 m 0.000 m

Y: -4520853.602 m 0.001 m -4520852.310 m 0.001 m

Z: 4085740.892 m 0.001 m 4085740.785 m 0.001 m

LAT: 40 04 41.22156 0.000 m 40 04 41.23653 0.000 m

E LON: 247 38 19.00131 0.000 m 247 38 18.94466 0.000 m

W LON: 112 21 40.99869 0.000 m 112 21 41.05534 0.000 m

EL HGT: 1731.254 m 0.001 m 1730.539 m 0.001 m

ORTHO HGT: 1749.029 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4437315.470 m 2194058.040 m

EASTING (X) 383922.923 m 426534.510 m

CONVERGENCE 0.87660278 deg 0.55178611 deg

POINT SCALE 0.99976587 0.99990780

COMBINED FACTOR 0.99949441 0.99963631

US NATIONAL GRID DESIGNATOR: 12TUK8392237315 (NAD 83)

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MARK: p106 (p106 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1868594.154 m 0.000 m -1868595.069 m 0.000 m

Y: -4564648.870 m 0.001 m -4564647.571 m 0.001 m

Z: 4032777.517 m 0.001 m 4032777.404 m 0.001 m

LAT: 39 27 32.22696 0.000 m 39 27 32.24175 0.000 m

E LON: 247 44 15.60516 0.000 m 247 44 15.54917 0.000 m

W LON: 112 15 44.39484 0.000 m 112 15 44.45083 0.000 m

EL HGT: 1560.279 m 0.001 m 1559.547 m 0.001 m

ORTHO HGT: 1578.500 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4368469.346 m 2125244.405 m

EASTING (X) 391400.426 m 434396.702 m

CONVERGENCE 0.80232222 deg 0.48833333 deg

POINT SCALE 0.99974521 0.99992023

COMBINED FACTOR 0.99950054 0.99967552

US NATIONAL GRID DESIGNATOR: 12SUJ9140068469 (NAD 83)

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MARK: p121 (p121 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1837809.855 m 0.000 m -1837810.787 m 0.000 m

Y: -4393797.109 m 0.001 m -4393795.836 m 0.001 m

Z: 4230318.239 m 0.001 m 4230318.148 m 0.001 m

LAT: 41 48 12.17919 0.000 m 41 48 12.19460 0.000 m

E LON: 247 18 06.20443 0.000 m 247 18 06.14594 0.000 m

W LON: 112 41 53.79557 0.000 m 112 41 53.85406 0.000 m

EL HGT: 1453.124 m 0.001 m 1452.456 m 0.001 m

ORTHO HGT: 1468.440 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4629340.391 m 1163941.555 m

EASTING (X) 358918.303 m 400419.674 m

CONVERGENCE -1.13221667 deg 0.79008889 deg

POINT SCALE 0.99984493 1.00000332

COMBINED FACTOR 0.99961710 0.99977546

US NATIONAL GRID DESIGNATOR: 12TUM5891829340 (NAD 83)

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MARK: rno1 (rno1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2454845.452 m 0.000 m -2454846.408 m 0.000 m

Y: -4271556.456 m 0.001 m -4271555.135 m 0.001 m

Z: 4039524.580 m 0.001 m 4039524.526 m 0.001 m

LAT: 39 32 16.45274 0.000 m 39 32 16.46518 0.000 m

E LON: 240 06 51.11841 0.000 m 240 06 51.05612 0.000 m

W LON: 119 53 08.88159 0.000 m 119 53 08.94388 0.000 m

EL HGT: 1531.213 m 0.001 m 1530.663 m 0.001 m

ORTHO HGT: 1555.075 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4380448.789 m 4532121.071 m

EASTING (X) 251996.458 m 688040.572 m

CONVERGENCE -1.83800278 deg 0.82922222 deg

POINT SCALE 1.00035732 1.00005428

COMBINED FACTOR 1.00011707 0.99981410

US NATIONAL GRID DESIGNATOR: 11SKD5199680448 (NAD 83)

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MARK: ssb2 (ssb2 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2439695.801 m 0.000 m -2439696.755 m 0.000 m

Y: -4273328.945 m 0.001 m -4273327.628 m 0.001 m

Z: 4046500.573 m 0.001 m 4046500.517 m 0.001 m

LAT: 39 37 14.51113 0.000 m 39 37 14.52360 0.000 m

E LON: 240 16 38.73053 0.000 m 240 16 38.66843 0.000 m

W LON: 119 43 21.26947 0.000 m 119 43 21.33157 0.000 m

EL HGT: 1357.712 m 0.001 m 1357.159 m 0.001 m

ORTHO HGT: 1381.739 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4389201.957 m 4541122.477 m

EASTING (X) 266304.489 m 702188.206 m

CONVERGENCE -1.73697778 deg 0.72655556 deg

POINT SCALE 1.00027244 1.00001775

COMBINED FACTOR 1.00005942 0.99980479

US NATIONAL GRID DESIGNATOR: 11SKD6630489201 (NAD 83)

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MARK: stea (stea 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2451597.482 m 0.000 m -2451598.439 m 0.000 m

Y: -4266273.924 m 0.001 m -4266272.605 m 0.001 m

Z: 4047027.643 m 0.001 m 4047027.588 m 0.001 m

LAT: 39 37 31.94137 0.000 m 39 37 31.95378 0.000 m

E LON: 240 06 58.82794 0.000 m 240 06 58.76563 0.000 m

W LON: 119 53 01.17206 0.000 m 119 53 01.23437 0.000 m

EL HGT: 1534.765 m 0.001 m 1534.216 m 0.001 m

ORTHO HGT: 1558.576 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4390171.229 m 4541847.810 m

EASTING (X) 252492.771 m 688365.382 m

CONVERGENCE -1.84003611 deg 0.82939167 deg

POINT SCALE 1.00035428 1.00005338

COMBINED FACTOR 1.00011347 0.99981264

US NATIONAL GRID DESIGNATOR: 11SKD5249290171 (NAD 83)

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MARK: utai (utai 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1823434.688 m 0.000 m -1823435.611 m 0.000 m

Y: -4459058.339 m 0.001 m -4459057.057 m 0.001 m

Z: 4167997.930 m 0.001 m 4167997.833 m 0.001 m

LAT: 41 03 22.50291 0.000 m 41 03 22.51836 0.000 m

E LON: 247 45 32.26670 0.000 m 247 45 32.20935 0.000 m

W LON: 112 14 27.73330 0.000 m 112 14 27.79065 0.000 m

EL HGT: 1312.645 m 0.001 m 1311.950 m 0.001 m

ORTHO HGT: 1329.606 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4545743.331 m 1080544.971 m

EASTING (X) 395714.535 m 437708.835 m

CONVERGENCE 0.81518611 deg 0.48860556 deg

POINT SCALE 0.99973385 0.99996257

COMBINED FACTOR 0.99952805 0.99975672

US NATIONAL GRID DESIGNATOR: 12TUL9571445743 (NAD 83)

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MARK: utbe (utbe 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -2027427.226 m 0.001 m -2027428.138 m 0.001 m

Y: -4629158.986 m 0.001 m -4629157.674 m 0.001 m

Z: 3880660.348 m 0.001 m 3880660.223 m 0.001 m

LAT: 37 42 22.68907 0.000 m 37 42 22.70244 0.000 m

E LON: 246 20 53.09138 0.000 m 246 20 53.03581 0.000 m

W LON: 113 39 06.90862 0.000 m 113 39 06.96419 0.000 m

EL HGT: 1562.634 m 0.001 m 1561.896 m 0.001 m

ORTHO HGT: 1585.759 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4176539.772 m 3117565.271 m

EASTING (X) 266221.873 m 310266.164 m

CONVERGENCE -1.62268611 deg -1.31845278 deg

POINT SCALE 1.00027321 0.99995221

COMBINED FACTOR 1.00002800 0.99970707

US NATIONAL GRID DESIGNATOR: 12STG6622176539 (NAD 83)

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MARK: utbl (utbl 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1687210.621 m 0.000 m -1687211.510 m 0.000 m

Y: -4768885.913 m 0.001 m -4768884.586 m 0.001 m

Z: 3874861.046 m 0.001 m 3874860.918 m 0.001 m

LAT: 37 38 17.07449 0.000 m 37 38 17.09011 0.000 m

E LON: 250 30 59.20977 0.000 m 250 30 59.15755 0.000 m

W LON: 109 29 00.79023 0.000 m 109 29 00.84245 0.000 m

EL HGT: 1883.462 m 0.001 m 1882.628 m 0.001 m

ORTHO HGT: 1903.135 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4166741.454 m 3109728.723 m

EASTING (X) 633795.683 m 677954.509 m

CONVERGENCE 0.92618889 deg 1.23545278 deg

POINT SCALE 0.99982050 0.99995453

COMBINED FACTOR 0.99952509 0.99965908

US NATIONAL GRID DESIGNATOR: 12SXG3379566741 (NAD 83)

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MARK: utbo (utbo 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1799977.741 m 0.001 m -1799978.658 m 0.001 m

Y: -4482380.430 m 0.001 m -4482379.147 m 0.001 m

Z: 4153298.668 m 0.001 m 4153298.569 m 0.001 m

LAT: 40 52 50.68580 0.000 m 40 52 50.70137 0.000 m

E LON: 248 07 16.37467 0.000 m 248 07 16.31792 0.000 m

W LON: 111 52 43.62533 0.000 m 111 52 43.68208 0.000 m

EL HGT: 1343.775 m 0.002 m 1343.068 m 0.002 m

ORTHO HGT: 1360.328 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4525890.517 m 1060859.165 m

EASTING (X) 425959.381 m 468074.315 m

CONVERGENCE 0.57517778 deg 0.24975278 deg

POINT SCALE 0.99966747 0.99997757

COMBINED FACTOR 0.99945680 0.99976683

US NATIONAL GRID DESIGNATOR: 12TVL2595925890 (NAD 83)

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MARK: utbr (utbr 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1930229.843 m 0.000 m -1930230.752 m 0.000 m

Y: -4627963.013 m 0.001 m -4627961.703 m 0.001 m

Z: 3931357.414 m 0.001 m 3931357.292 m 0.001 m

LAT: 38 17 02.74805 0.000 m 38 17 02.76219 0.000 m

E LON: 247 21 35.88942 0.000 m 247 21 35.83416 0.000 m

W LON: 112 38 24.11058 0.000 m 112 38 24.16584 0.000 m

EL HGT: 1795.076 m 0.001 m 1794.327 m 0.001 m

ORTHO HGT: 1815.287 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4238608.978 m 3180120.772 m

EASTING (X) 356562.347 m 400259.356 m

CONVERGENCE -1.01627222 deg 0.69848333 deg

POINT SCALE 0.99985339 0.99998931

COMBINED FACTOR 0.99957185 0.99970773

US NATIONAL GRID DESIGNATOR: 12SUH5656238608 (NAD 83)

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MARK: utce (utce 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1981771.456 m 0.001 m -1981772.365 m 0.001 m

Y: -4649164.472 m 0.001 m -4649163.158 m 0.001 m

Z: 3880564.328 m 0.001 m 3880564.201 m 0.001 m

LAT: 37 42 15.17459 0.000 m 37 42 15.18825 0.000 m

E LON: 246 54 47.49776 0.000 m 246 54 47.44260 0.000 m

W LON: 113 05 12.50224 0.000 m 113 05 12.55740 0.000 m

EL HGT: 1705.412 m 0.001 m 1704.660 m 0.001 m

ORTHO HGT: 1726.971 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4175047.265 m 3116337.607 m

EASTING (X) 316040.209 m 360082.374 m

CONVERGENCE -1.27661667 deg 0.97221667 deg

POINT SCALE 1.00001684 0.99995226

COMBINED FACTOR 0.99974929 0.99968473

US NATIONAL GRID DESIGNATOR: 12SUG1604075047 (NAD 83)

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MARK: utcr (utcr 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1811760.132 m 0.001 m -1811761.051 m 0.001 m

Y: -4494017.897 m 0.001 m -4494016.611 m 0.001 m

Z: 4135643.651 m 0.001 m 4135643.550 m 0.001 m

LAT: 40 40 15.72852 0.000 m 40 40 15.74398 0.000 m

E LON: 248 02 35.54500 0.000 m 248 02 35.48825 0.000 m

W LON: 111 57 24.45500 0.000 m 111 57 24.51175 0.000 m

EL HGT: 1319.510 m 0.002 m 1318.800 m 0.002 m

ORTHO HGT: 1336.687 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4502680.014 m 2259638.230 m

EASTING (X) 419132.920 m 461377.149 m

CONVERGENCE 0.62358889 deg 0.29261111 deg

POINT SCALE 0.99968049 1.00000530

COMBINED FACTOR 0.99947361 0.99979836

US NATIONAL GRID DESIGNATOR: 12TVL1913202680 (NAD 83)

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MARK: utd2 (utd2 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1701640.389 m 0.000 m -1701641.295 m 0.000 m

Y: -4575540.012 m 0.001 m -4575538.714 m 0.001 m

Z: 4093654.742 m 0.001 m 4093654.639 m 0.001 m

LAT: 40 10 18.08492 0.000 m 40 10 18.10120 0.000 m

E LON: 249 35 59.51242 0.000 m 249 35 59.45743 0.000 m

W LON: 110 24 00.48758 0.000 m 110 24 00.54257 0.000 m

EL HGT: 1680.097 m 0.001 m 1679.341 m 0.001 m

ORTHO HGT: 1697.252 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4446985.921 m 2204669.410 m

EASTING (X) 551075.945 m 593675.800 m

CONVERGENCE 0.38696944 deg 0.70455000 deg

POINT SCALE 0.99963211 0.99991605

COMBINED FACTOR 0.99936871 0.99965258

US NATIONAL GRID DESIGNATOR: 12TWK5107546985 (NAD 83)

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MARK: utde (utde 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1896569.633 m 0.001 m -1896570.550 m 0.001 m

Y: -4561014.131 m 0.001 m -4561012.832 m 0.001 m

Z: 4023632.678 m 0.001 m 4023632.565 m 0.001 m

LAT: 39 21 12.73011 0.000 m 39 21 12.74470 0.000 m

E LON: 247 25 16.99761 0.000 m 247 25 16.94143 0.000 m

W LON: 112 34 43.00239 0.000 m 112 34 43.05857 0.000 m

EL HGT: 1403.105 m 0.001 m 1402.379 m 0.001 m

ORTHO HGT: 1422.620 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4357198.377 m 2113822.608 m

EASTING (X) 363984.686 m 407038.899 m

CONVERGENCE -1.00115556 deg 0.69093611 deg

POINT SCALE 0.99982778 0.99993390

COMBINED FACTOR 0.99960773 0.99971383

US NATIONAL GRID DESIGNATOR: 12SUJ6398457198 (NAD 83)

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MARK: utdr (utdr 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1808045.714 m 0.001 m -1808046.629 m 0.001 m

Y: -4507085.431 m 0.001 m -4507084.144 m 0.001 m

Z: 4123186.948 m 0.001 m 4123186.845 m 0.001 m

LAT: 40 31 22.67792 0.000 m 40 31 22.69338 0.000 m

E LON: 248 08 29.40102 0.000 m 248 08 29.34460 0.000 m

W LON: 111 51 30.59898 0.000 m 111 51 30.65540 0.000 m

EL HGT: 1366.920 m 0.002 m 1366.204 m 0.002 m

ORTHO HGT: 1383.992 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4486157.970 m 2243158.132 m

EASTING (X) 427280.391 m 469622.113 m

CONVERGENCE 0.55783611 deg 0.22964722 deg

POINT SCALE 0.99966509 0.99997087

COMBINED FACTOR 0.99945078 0.99975650

US NATIONAL GRID DESIGNATOR: 12TVK2728086157 (NAD 83)

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MARK: ute2 (ute2 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1842704.497 m 0.000 m -1842705.414 m 0.000 m

Y: -4537196.656 m 0.001 m -4537195.362 m 0.001 m

Z: 4075837.579 m 0.001 m 4075837.472 m 0.001 m

LAT: 39 57 34.88903 0.000 m 39 57 34.90413 0.000 m

E LON: 247 53 46.73205 0.000 m 247 53 46.67575 0.000 m

W LON: 112 06 13.26795 0.000 m 112 06 13.32425 0.000 m

EL HGT: 1995.418 m 0.001 m 1994.694 m 0.001 m

ORTHO HGT: 2012.946 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4423866.528 m 2180730.198 m

EASTING (X) 405733.328 m 448424.153 m

CONVERGENCE 0.70889167 deg 0.38670833 deg

POINT SCALE 0.99970939 0.99990118

COMBINED FACTOR 0.99939654 0.99958827

US NATIONAL GRID DESIGNATOR: 12SVK0573323866 (NAD 83)

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MARK: utec (utec 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1745240.879 m 0.000 m -1745241.792 m 0.000 m

Y: -4488723.899 m 0.001 m -4488722.616 m 0.001 m

Z: 4170430.669 m 0.001 m 4170430.571 m 0.001 m

LAT: 41 04 52.01633 0.000 m 41 04 52.03235 0.000 m

E LON: 248 45 13.10771 0.000 m 248 45 13.05134 0.000 m

W LON: 111 14 46.89229 0.000 m 111 14 46.94866 0.000 m

EL HGT: 1845.951 m 0.001 m 1845.235 m 0.001 m

ORTHO HGT: 1861.553 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4547790.967 m 1083071.737 m

EASTING (X) 479306.247 m 521313.094 m

CONVERGENCE 0.16188889 deg 0.16723889 deg

POINT SCALE 0.99960527 0.99996120

COMBINED FACTOR 0.99931591 0.99967174

US NATIONAL GRID DESIGNATOR: 12TVL7930647790 (NAD 83)

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MARK: utel (utel 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1654558.900 m 0.000 m -1654559.789 m 0.000 m

Y: -4768685.011 m 0.001 m -4768683.684 m 0.001 m

Z: 3889399.473 m 0.001 m 3889399.347 m 0.001 m

LAT: 37 48 07.90804 0.000 m 37 48 07.92393 0.000 m

E LON: 250 51 54.36124 0.000 m 250 51 54.30914 0.000 m

W LON: 109 08 05.63876 0.000 m 109 08 05.69086 0.000 m

EL HGT: 2087.748 m 0.001 m 2086.910 m 0.001 m

ORTHO HGT: 2106.990 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4185507.092 m 3128658.763 m

EASTING (X) 664196.964 m 708256.975 m

CONVERGENCE 1.14344444 deg 1.44906667 deg

POINT SCALE 0.99993208 0.99995135

COMBINED FACTOR 0.99960460 0.99962387

US NATIONAL GRID DESIGNATOR: 12SXG6419685507 (NAD 83)

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MARK: utem (utem 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1823464.564 m 0.000 m -1823465.482 m 0.000 m

Y: -4513742.496 m 0.001 m -4513741.206 m 0.001 m

Z: 4109560.536 m 0.001 m 4109560.432 m 0.001 m

LAT: 40 21 35.64102 0.000 m 40 21 35.65634 0.000 m

E LON: 248 00 08.08411 0.000 m 248 00 08.02756 0.000 m

W LON: 111 59 51.91589 0.000 m 111 59 51.97244 0.000 m

EL HGT: 1610.107 m 0.001 m 1609.390 m 0.001 m

ORTHO HGT: 1627.417 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4468181.600 m 2225108.369 m

EASTING (X) 415280.099 m 457721.548 m

CONVERGENCE 0.64617222 deg 0.31885000 deg

POINT SCALE 0.99968835 0.99994073

COMBINED FACTOR 0.99943591 0.99968823

US NATIONAL GRID DESIGNATOR: 12TVK1528068181 (NAD 83)

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MARK: utfi (utfi 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1886626.732 m 0.000 m -1886627.643 m 0.000 m

Y: -4594519.493 m 0.001 m -4594518.190 m 0.001 m

Z: 3990526.502 m 0.001 m 3990526.386 m 0.001 m

LAT: 38 58 04.30839 0.000 m 38 58 04.32297 0.000 m

E LON: 247 40 32.51265 0.000 m 247 40 32.45708 0.000 m

W LON: 112 19 27.48735 0.000 m 112 19 27.54292 0.000 m

EL HGT: 1562.593 m 0.001 m 1561.852 m 0.001 m

ORTHO HGT: 1581.354 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4314044.269 m 2070775.758 m

EASTING (X) 385272.349 m 428561.514 m

CONVERGENCE 0.83292500 deg 0.52803056 deg

POINT SCALE 0.99976208 1.00001240

COMBINED FACTOR 0.99951703 0.99976729

US NATIONAL GRID DESIGNATOR: 12SUJ8527214044 (NAD 83)

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MARK: utgk (utgk 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1891554.922 m 0.001 m -1891555.850 m 0.001 m

Y: -4453969.195 m 0.001 m -4453967.911 m 0.001 m

Z: 4143323.785 m 0.001 m 4143323.685 m 0.001 m

LAT: 40 45 41.60896 0.000 m 40 45 41.62383 0.000 m

E LON: 246 59 22.44359 0.000 m 246 59 22.38580 0.000 m

W LON: 113 00 37.55641 0.000 m 113 00 37.61420 0.000 m

EL HGT: 1410.452 m 0.001 m 1409.767 m 0.001 m

ORTHO HGT: 1428.142 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4514232.548 m 2270669.007 m

EASTING (X) 330306.501 m 372464.909 m

CONVERGENCE -1.31295000 deg 0.96755000 deg

POINT SCALE 0.99995444 1.00002967

COMBINED FACTOR 0.99973325 0.99980846

US NATIONAL GRID DESIGNATOR: 12TUL3030614232 (NAD 83)

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MARK: utgn (utgn 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2023735.107 m 0.000 m -2023736.028 m 0.000 m

Y: -4538117.553 m 0.001 m -4538116.255 m 0.001 m

Z: 3987954.209 m 0.001 m 3987954.094 m 0.001 m

LAT: 38 56 16.28468 0.000 m 38 56 16.29829 0.000 m

E LON: 245 57 57.32155 0.000 m 245 57 57.26469 0.000 m

W LON: 114 02 02.67845 0.000 m 114 02 02.73531 0.000 m

EL HGT: 1592.620 m 0.001 m 1591.917 m 0.001 m

ORTHO HGT: 1613.323 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (4302 UT C)

NORTHING (Y) 4314064.317 m 2070227.560 m

EASTING (X) 757073.303 m 280315.016 m

CONVERGENCE 1.86503333 deg -1.62327500 deg

POINT SCALE 1.00041385 1.00002038

COMBINED FACTOR 1.00016393 0.99977056

US NATIONAL GRID DESIGNATOR: 11SQD5707314064 (NAD 83)

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MARK: utgr (utgr 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1855069.997 m 0.000 m -1855070.921 m 0.000 m

Y: -4481496.818 m 0.001 m -4481495.531 m 0.001 m

Z: 4130065.074 m 0.001 m 4130064.972 m 0.001 m

LAT: 40 36 17.44190 0.000 m 40 36 17.45701 0.000 m

E LON: 247 30 48.19878 0.000 m 247 30 48.14155 0.000 m

W LON: 112 29 11.80122 0.000 m 112 29 11.85845 0.000 m

EL HGT: 1319.917 m 0.001 m 1319.216 m 0.001 m

ORTHO HGT: 1337.490 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4495954.688 m 2252649.879 m

EASTING (X) 374227.809 m 416500.100 m

CONVERGENCE 0.96766944 deg 0.63200278 deg

POINT SCALE 0.99979471 0.99998908

COMBINED FACTOR 0.99958774 0.99978207

US NATIONAL GRID DESIGNATOR: 12TUK7422795954 (NAD 83)

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MARK: utgv (utgv 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1710771.964 m 0.000 m -1710772.862 m 0.000 m

Y: -4660481.435 m 0.001 m -4660480.124 m 0.001 m

Z: 3992748.457 m 0.001 m 3992748.342 m 0.001 m

LAT: 38 59 45.77752 0.000 m 38 59 45.79343 0.000 m

E LON: 249 50 34.07027 0.000 m 249 50 34.01646 0.000 m

W LON: 110 09 25.92973 0.000 m 110 09 25.98354 0.000 m

EL HGT: 1227.286 m 0.001 m 1226.498 m 0.001 m

ORTHO HGT: 1247.453 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4316675.964 m 2074448.849 m

EASTING (X) 572983.908 m 616324.399 m

CONVERGENCE 0.53036667 deg 0.86016667 deg

POINT SCALE 0.99966559 1.00000515

COMBINED FACTOR 0.99947313 0.99981263

US NATIONAL GRID DESIGNATOR: 12SWJ7298316675 (NAD 83)

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MARK: utha (utha 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -1771848.913 m 0.000 m -1771849.809 m 0.000 m

Y: -4683791.122 m 0.001 m -4683789.807 m 0.001 m

Z: 3938948.153 m 0.001 m 3938948.033 m 0.001 m

LAT: 38 22 29.20865 0.000 m 38 22 29.22399 0.000 m

E LON: 249 16 43.25800 0.000 m 249 16 43.20432 0.000 m

W LON: 110 43 16.74200 0.000 m 110 43 16.79568 0.000 m

EL HGT: 1299.055 m 0.001 m 1298.264 m 0.001 m

ORTHO HGT: 1319.349 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4247435.741 m 3189862.180 m

EASTING (X) 524342.580 m 568043.600 m

CONVERGENCE 0.17300833 deg 0.47708889 deg

POINT SCALE 0.99960730 1.00000436

COMBINED FACTOR 0.99940359 0.99980057

US NATIONAL GRID DESIGNATOR: 12SWH2434247435 (NAD 83)

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MARK: uthe (uthe 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1772705.729 m 0.000 m -1772706.640 m 0.000 m

Y: -4522623.692 m 0.001 m -4522622.403 m 0.001 m

Z: 4122055.427 m 0.001 m 4122055.325 m 0.001 m

LAT: 40 30 24.96514 0.000 m 40 30 24.98088 0.000 m

E LON: 248 35 47.78839 0.000 m 248 35 47.73240 0.000 m

W LON: 111 24 12.21161 0.000 m 111 24 12.26760 0.000 m

EL HGT: 1708.910 m 0.001 m 1708.184 m 0.001 m

ORTHO HGT: 1724.645 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4484102.639 m 2241321.539 m

EASTING (X) 465822.506 m 508188.124 m

CONVERGENCE 0.26202222 deg 0.06188611 deg

POINT SCALE 0.99961438 0.99996755

COMBINED FACTOR 0.99934648 0.99969956

US NATIONAL GRID DESIGNATOR: 12TVK6582284102 (NAD 83)

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MARK: uthn (uthn 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2012573.929 m 0.000 m -2012574.835 m 0.000 m

Y: -4673443.231 m 0.001 m -4673441.913 m 0.001 m

Z: 3834444.176 m 0.001 m 3834444.045 m 0.001 m

LAT: 37 11 08.50168 0.000 m 37 11 08.51501 0.000 m

E LON: 246 42 04.79179 0.000 m 246 42 04.73691 0.000 m

W LON: 113 17 55.20821 0.000 m 113 17 55.26309 0.000 m

EL HGT: 1013.595 m 0.001 m 1012.837 m 0.001 m

ORTHO HGT: 1037.260 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4117947.024 m 3059139.515 m

EASTING (X) 295957.038 m 340296.627 m

CONVERGENCE -1.38979444 deg -1.10202222 deg

POINT SCALE 1.00011289 1.00000545

COMBINED FACTOR 0.99995384 0.99984641

US NATIONAL GRID DESIGNATOR: 12STG9595717947 (NAD 83)

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MARK: uthr (uthr 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1820709.822 m 0.000 m -1820710.741 m 0.000 m

Y: -4502585.714 m 0.001 m -4502584.426 m 0.001 m

Z: 4122703.960 m 0.001 m 4122703.857 m 0.001 m

LAT: 40 30 59.03960 0.000 m 40 30 59.05495 0.000 m

E LON: 247 58 59.07941 0.000 m 247 58 59.02274 0.000 m

W LON: 112 01 00.92059 0.000 m 112 01 00.97726 0.000 m

EL HGT: 1476.841 m 0.001 m 1476.128 m 0.001 m

ORTHO HGT: 1494.173 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4485571.817 m 2242494.718 m

EASTING (X) 413852.516 m 456193.898 m

CONVERGENCE 0.66070000 deg 0.33113056 deg

POINT SCALE 0.99969135 0.99996950

COMBINED FACTOR 0.99945980 0.99973789

US NATIONAL GRID DESIGNATOR: 12TVK1385285571 (NAD 83)

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MARK: uthu (uthu 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1776627.459 m 0.000 m -1776628.374 m 0.000 m

Y: -4462027.437 m 0.001 m -4462026.159 m 0.001 m

Z: 4185223.638 m 0.001 m 4185223.542 m 0.001 m

LAT: 41 15 37.69657 0.000 m 41 15 37.71239 0.000 m

E LON: 248 17 21.25000 0.000 m 248 17 21.19320 0.000 m

W LON: 111 42 38.75000 0.000 m 111 42 38.80680 0.000 m

EL HGT: 1534.777 m 0.001 m 1534.075 m 0.001 m

ORTHO HGT: 1550.595 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4567916.057 m 1102979.954 m

EASTING (X) 440459.410 m 482338.113 m

CONVERGENCE 0.46875000 deg 0.13896944 deg

POINT SCALE 0.99964363 0.99995686

COMBINED FACTOR 0.99940304 0.99971619

US NATIONAL GRID DESIGNATOR: 12TVL4045967916 (NAD 83)

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MARK: utju (utju 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1897346.066 m 0.000 m -1897346.970 m 0.000 m

Y: -4644488.107 m 0.001 m -4644486.795 m 0.001 m

Z: 3927952.618 m 0.001 m 3927952.498 m 0.001 m

LAT: 38 14 41.30160 0.000 m 38 14 41.31605 0.000 m

E LON: 247 46 45.18066 0.000 m 247 46 45.12586 0.000 m

W LON: 112 13 14.81934 0.000 m 112 13 14.87414 0.000 m

EL HGT: 1828.211 m 0.001 m 1827.451 m 0.001 m

ORTHO HGT: 1847.400 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4233681.864 m 3175394.700 m

EASTING (X) 393173.873 m 436904.536 m

CONVERGENCE 0.75576389 deg 0.44161389 deg

POINT SCALE 0.99974054 0.99998356

COMBINED FACTOR 0.99945383 0.99969678

US NATIONAL GRID DESIGNATOR: 12SUH9317333681 (NAD 83)

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MARK: utka (utka 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1953152.969 m 0.000 m -1953153.863 m 0.000 m

Y: -4708882.968 m 0.001 m -4708881.645 m 0.001 m

Z: 3822687.788 m 0.001 m 3822687.660 m 0.001 m

LAT: 37 02 58.36817 0.000 m 37 02 58.38204 0.000 m

E LON: 247 28 20.20097 0.000 m 247 28 20.14704 0.000 m

W LON: 112 31 39.79903 0.000 m 112 31 39.85296 0.000 m

EL HGT: 1501.532 m 0.001 m 1500.753 m 0.001 m

ORTHO HGT: 1523.565 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4101460.115 m 3042995.976 m

EASTING (X) 364153.106 m 408578.978 m

CONVERGENCE 0.92060278 deg 0.62967222 deg

POINT SCALE 0.99982734 1.00003285

COMBINED FACTOR 0.99959180 0.99979726

US NATIONAL GRID DESIGNATOR: 12SUG6415301460 (NAD 83)

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MARK: utkm (utkm 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1759374.424 m 0.000 m -1759375.336 m 0.000 m

Y: -4518029.058 m 0.001 m -4518027.770 m 0.001 m

Z: 4133133.388 m 0.001 m 4133133.286 m 0.001 m

LAT: 40 38 10.15691 0.000 m 40 38 10.17276 0.000 m

E LON: 248 43 24.48397 0.000 m 248 43 24.42794 0.000 m

W LON: 111 16 35.51603 0.000 m 111 16 35.57206 0.000 m

EL HGT: 1978.206 m 0.001 m 1977.480 m 0.001 m

ORTHO HGT: 1993.272 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4498404.811 m 1033652.362 m

EASTING (X) 476615.782 m 518904.756 m

CONVERGENCE 0.18009444 deg 0.14734444 deg

POINT SCALE 0.99960673 1.00001397

COMBINED FACTOR 0.99929663 0.99970375

US NATIONAL GRID DESIGNATOR: 12TVK7661598404 (NAD 83)

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MARK: utl2 (utl2 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1811764.795 m 0.000 m -1811765.712 m 0.000 m

Y: -4513665.345 m 0.001 m -4513664.055 m 0.001 m

Z: 4114444.166 m 0.001 m 4114444.062 m 0.001 m

LAT: 40 25 09.49556 0.000 m 40 25 09.51098 0.000 m

E LON: 248 07 46.91161 0.000 m 248 07 46.85514 0.000 m

W LON: 111 52 13.08839 0.000 m 111 52 13.14486 0.000 m

EL HGT: 1391.420 m 0.001 m 1390.702 m 0.001 m

ORTHO HGT: 1408.704 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4474661.178 m 2231651.774 m

EASTING (X) 426167.181 m 468574.356 m

CONVERGENCE 0.56430833 deg 0.23720833 deg

POINT SCALE 0.99966710 0.99995077

COMBINED FACTOR 0.99944895 0.99973256

US NATIONAL GRID DESIGNATOR: 12TVK2616774661 (NAD 83)

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MARK: utln (utln 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1773338.027 m 0.000 m -1773338.944 m 0.000 m

Y: -4425446.129 m 0.001 m -4425444.857 m 0.001 m

Z: 4224763.378 m 0.001 m 4224763.286 m 0.001 m

LAT: 41 44 13.04711 0.000 m 41 44 13.06300 0.000 m

E LON: 248 09 48.00533 0.000 m 248 09 47.94804 0.000 m

W LON: 111 50 11.99467 0.000 m 111 50 12.05196 0.000 m

EL HGT: 1376.418 m 0.001 m 1375.730 m 0.001 m

ORTHO HGT: 1392.031 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4620909.780 m 1155931.412 m

EASTING (X) 430424.463 m 471992.726 m

CONVERGENCE 0.55700000 deg 0.22198333 deg

POINT SCALE 0.99965957 0.99999280

COMBINED FACTOR 0.99944380 0.99977696

US NATIONAL GRID DESIGNATOR: 12TVM3042420909 (NAD 83)

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MARK: utlo (utlo 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1846545.986 m 0.000 m -1846546.883 m 0.000 m

Y: -4653555.912 m 0.001 m -4653554.600 m 0.001 m

Z: 3941825.532 m 0.001 m 3941825.415 m 0.001 m

LAT: 38 24 06.52578 0.000 m 38 24 06.54070 0.000 m

E LON: 248 21 23.98490 0.000 m 248 21 23.93060 0.000 m

W LON: 111 38 36.01510 0.000 m 111 38 36.06940 0.000 m

EL HGT: 2144.032 m 0.001 m 2143.263 m 0.001 m

ORTHO HGT: 2161.748 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4250594.409 m 3192589.218 m

EASTING (X) 443825.992 m 487479.203 m

CONVERGENCE 0.39963333 deg 0.08782222 deg

POINT SCALE 0.99963886 1.00000934

COMBINED FACTOR 0.99930268 0.99967304

US NATIONAL GRID DESIGNATOR: 12SVH4382550594 (NAD 83)

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MARK: utls (utls 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1654614.652 m 0.000 m -1654615.545 m 0.000 m

Y: -4732061.712 m 0.001 m -4732060.390 m 0.001 m

Z: 3933519.839 m 0.001 m 3933519.717 m 0.001 m

LAT: 38 18 25.16609 0.000 m 38 18 25.18214 0.000 m

E LON: 250 43 38.24099 0.000 m 250 43 38.18837 0.000 m

W LON: 109 16 21.75901 0.000 m 109 16 21.81163 0.000 m

EL HGT: 2065.148 m 0.001 m 2064.324 m 0.001 m

ORTHO HGT: 2083.763 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4241288.495 m 3184373.852 m

EASTING (X) 651022.358 m 694790.157 m

CONVERGENCE 1.07090556 deg 1.36463056 deg

POINT SCALE 0.99988089 0.99999287

COMBINED FACTOR 0.99955699 0.99966894

US NATIONAL GRID DESIGNATOR: 12SXH5102241288 (NAD 83)

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MARK: utlt (utlt 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1730480.042 m 0.000 m -1730480.960 m 0.000 m

Y: -4435534.537 m 0.001 m -4435533.263 m 0.001 m

Z: 4232584.139 m 0.001 m 4232584.047 m 0.001 m

LAT: 41 49 39.72715 0.000 m 41 49 39.74335 0.000 m

E LON: 248 41 14.09131 0.000 m 248 41 14.03421 0.000 m

W LON: 111 18 45.90869 0.000 m 111 18 45.96579 0.000 m

EL HGT: 1831.492 m 0.001 m 1830.795 m 0.001 m

ORTHO HGT: 1846.142 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4630693.733 m 1165972.818 m

EASTING (X) 474028.820 m 515555.489 m

CONVERGENCE 0.20857222 deg 0.12346389 deg

POINT SCALE 0.99960830 1.00000750

COMBINED FACTOR 0.99932123 0.99972032

US NATIONAL GRID DESIGNATOR: 12TVM7402830693 (NAD 83)

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MARK: utmb (utmb 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1670982.790 m 0.000 m -1670983.685 m 0.000 m

Y: -4706054.064 m 0.001 m -4706052.747 m 0.001 m

Z: 3956207.329 m 0.001 m 3956207.209 m 0.001 m

LAT: 38 34 26.11598 0.000 m 38 34 26.13200 0.000 m

E LON: 250 27 05.51089 0.000 m 250 27 05.45786 0.000 m

W LON: 109 32 54.48911 0.000 m 109 32 54.54214 0.000 m

EL HGT: 1217.846 m 0.001 m 1217.035 m 0.001 m

ORTHO HGT: 1238.354 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4270494.676 m 2028566.910 m

EASTING (X) 626443.976 m 670073.380 m

CONVERGENCE 0.90518333 deg 1.25010833 deg

POINT SCALE 0.99979689 1.00013862

COMBINED FACTOR 0.99960588 0.99994755

US NATIONAL GRID DESIGNATOR: 12SXH2644370494 (NAD 83)

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MARK: utmc (utmc 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1680716.689 m 0.000 m -1680717.576 m 0.000 m

Y: -4797760.031 m 0.001 m -4797758.699 m 0.001 m

Z: 3841222.626 m 0.001 m 3841222.494 m 0.001 m

LAT: 37 15 36.54756 0.000 m 37 15 36.56310 0.000 m

E LON: 250 41 38.36305 0.000 m 250 41 38.31122 0.000 m

W LON: 109 18 21.63695 0.000 m 109 18 21.68878 0.000 m

EL HGT: 1339.575 m 0.001 m 1338.728 m 0.001 m

ORTHO HGT: 1360.476 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4125077.183 m 3068149.925 m

EASTING (X) 650215.386 m 694604.097 m

CONVERGENCE 1.02579167 deg 1.34423056 deg

POINT SCALE 0.99987796 0.99999283

COMBINED FACTOR 0.99966781 0.99978266

US NATIONAL GRID DESIGNATOR: 12SXG5021525077 (NAD 83)

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MARK: utmg (utmg 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1822739.392 m 0.000 m -1822740.313 m 0.000 m

Y: -4486396.199 m 0.001 m -4486394.913 m 0.001 m

Z: 4139028.222 m 0.001 m 4139028.121 m 0.001 m

LAT: 40 42 41.16357 0.000 m 40 42 41.17895 0.000 m

E LON: 247 53 20.42430 0.000 m 247 53 20.36734 0.000 m

W LON: 112 06 39.57570 0.000 m 112 06 39.63266 0.000 m

EL HGT: 1292.355 m 0.001 m 1291.649 m 0.001 m

ORTHO HGT: 1309.530 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4507317.818 m 2264202.180 m

EASTING (X) 406156.561 m 448370.008 m

CONVERGENCE 0.72469722 deg 0.39138889 deg

POINT SCALE 0.99970840 1.00001587

COMBINED FACTOR 0.99950577 0.99981318

US NATIONAL GRID DESIGNATOR: 12TVL0615607317 (NAD 83)

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MARK: utmi (utmi 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1956839.375 m 0.000 m -1956840.288 m 0.000 m

Y: -4607714.768 m 0.001 m -4607713.461 m 0.001 m

Z: 3941436.219 m 0.001 m 3941436.098 m 0.001 m

LAT: 38 24 06.80987 0.000 m 38 24 06.82385 0.000 m

E LON: 246 59 22.81188 0.000 m 246 59 22.75621 0.000 m

W LON: 113 00 37.18812 0.000 m 113 00 37.24379 0.000 m

EL HGT: 1506.239 m 0.001 m 1505.501 m 0.001 m

ORTHO HGT: 1527.191 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4252320.678 m 3193653.732 m

EASTING (X) 324457.668 m 368075.718 m

CONVERGENCE -1.24908333 deg 0.92536111 deg

POINT SCALE 0.99997950 1.00000936

COMBINED FACTOR 0.99974322 0.99977307

US NATIONAL GRID DESIGNATOR: 12SUH2445752320 (NAD 83)

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MARK: utmn (utmn 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1626990.142 m 0.000 m -1626991.051 m 0.000 m

Y: -4539588.738 m 0.001 m -4539587.445 m 0.001 m

Z: 4163381.782 m 0.001 m 4163381.685 m 0.001 m

LAT: 40 59 46.26050 0.000 m 40 59 46.27751 0.000 m

E LON: 250 16 56.29182 0.000 m 250 16 56.23656 0.000 m

W LON: 109 43 03.70818 0.000 m 109 43 03.76344 0.000 m

EL HGT: 1948.856 m 0.001 m 1948.105 m 0.001 m

ORTHO HGT: 1963.061 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4539125.184 m 1075146.672 m

EASTING (X) 607851.163 m 649947.552 m

CONVERGENCE 0.84128333 deg 1.17517222 deg

POINT SCALE 0.99974316 0.99996666

COMBINED FACTOR 0.99943763 0.99966107

US NATIONAL GRID DESIGNATOR: 12TXL0785139125 (NAD 83)

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MARK: utmt (utmt 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1823724.629 m 0.000 m -1823725.532 m 0.000 m

Y: -4597625.741 m 0.001 m -4597624.439 m 0.001 m

Z: 4016176.123 m 0.001 m 4016176.012 m 0.001 m

LAT: 39 15 52.09953 0.000 m 39 15 52.11475 0.000 m

E LON: 248 21 48.33086 0.000 m 248 21 48.27583 0.000 m

W LON: 111 38 11.66914 0.000 m 111 38 11.72417 0.000 m

EL HGT: 1712.617 m 0.001 m 1711.867 m 0.001 m

ORTHO HGT: 1730.204 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4346319.087 m 2103383.657 m

EASTING (X) 445083.442 m 488213.806 m

CONVERGENCE 0.40290000 deg 0.08748611 deg

POINT SCALE 0.99963713 0.99994806

COMBINED FACTOR 0.99936860 0.99967945

US NATIONAL GRID DESIGNATOR: 12SVJ4508346319 (NAD 83)

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MARK: utmv (utmv 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1759555.239 m 0.000 m -1759556.125 m 0.000 m

Y: -4788246.248 m 0.001 m -4788244.916 m 0.001 m

Z: 3818264.674 m 0.001 m 3818264.541 m 0.001 m

LAT: 36 59 56.92203 0.000 m 36 59 56.93703 0.000 m

E LON: 249 49 22.58549 0.000 m 249 49 22.53329 0.000 m

W LON: 110 10 37.41451 0.000 m 110 10 37.46671 0.000 m

EL HGT: 1574.091 m 0.001 m 1573.257 m 0.001 m

ORTHO HGT: 1594.999 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4095093.997 m 3037732.890 m

EASTING (X) 573223.522 m 617759.758 m

CONVERGENCE 0.49526944 deg 0.81055000 deg

POINT SCALE 0.99966605 1.00004441

COMBINED FACTOR 0.99941917 0.99979743

US NATIONAL GRID DESIGNATOR: 12SWF7322395093 (NAD 83)

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MARK: utne (utne 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1827920.334 m 0.000 m -1827921.244 m 0.000 m

Y: -4561914.103 m 0.001 m -4561912.806 m 0.001 m

Z: 4054311.408 m 0.001 m 4054311.299 m 0.001 m

LAT: 39 42 37.97271 0.000 m 39 42 37.98793 0.000 m

E LON: 248 09 51.99142 0.000 m 248 09 51.93574 0.000 m

W LON: 111 50 08.00858 0.000 m 111 50 08.06426 0.000 m

EL HGT: 1561.021 m 0.001 m 1560.285 m 0.001 m

ORTHO HGT: 1578.648 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4395965.364 m 2152950.135 m

EASTING (X) 428376.319 m 471227.703 m

CONVERGENCE 0.53386944 deg 0.21495000 deg

POINT SCALE 0.99966316 0.99990117

COMBINED FACTOR 0.99941840 0.99965636

US NATIONAL GRID DESIGNATOR: 12SVJ2837695965 (NAD 83)

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MARK: utoc (utoc 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1800503.546 m 0.000 m -1800504.467 m 0.000 m

Y: -4527565.657 m 0.001 m -4527564.364 m 0.001 m

Z: 4104267.066 m 0.001 m 4104266.961 m 0.001 m

LAT: 40 17 54.89010 0.000 m 40 17 54.90555 0.000 m

E LON: 248 18 48.52333 0.000 m 248 18 48.46688 0.000 m

W LON: 111 41 11.47667 0.000 m 111 41 11.53312 0.000 m

EL HGT: 1453.332 m 0.001 m 1452.608 m 0.001 m

ORTHO HGT: 1470.331 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4461123.684 m 2218198.700 m

EASTING (X) 441654.553 m 484142.915 m

CONVERGENCE 0.44403333 deg 0.11948056 deg

POINT SCALE 0.99964190 0.99993150

COMBINED FACTOR 0.99941405 0.99970358

US NATIONAL GRID DESIGNATOR: 12TVK4165461123 (NAD 83)

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MARK: utog (utog 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1797956.272 m 0.000 m -1797957.193 m 0.000 m

Y: -4456550.758 m 0.001 m -4456549.479 m 0.001 m

Z: 4181683.689 m 0.001 m 4181683.592 m 0.001 m

LAT: 41 13 10.51267 0.000 m 41 13 10.52828 0.000 m

E LON: 248 01 43.75421 0.000 m 248 01 43.69699 0.000 m

W LON: 111 58 16.24579 0.000 m 111 58 16.30301 0.000 m

EL HGT: 1345.342 m 0.001 m 1344.645 m 0.001 m

ORTHO HGT: 1361.980 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4563588.403 m 1098525.281 m

EASTING (X) 418593.481 m 460490.987 m

CONVERGENCE 0.63999167 deg 0.31067500 deg

POINT SCALE 0.99968156 0.99995699

COMBINED FACTOR 0.99947065 0.99974602

US NATIONAL GRID DESIGNATOR: 12TVL1859363588 (NAD 83)

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MARK: utp2 (utp2 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1745061.750 m 0.000 m -1745062.653 m 0.000 m

Y: -4603214.423 m 0.001 m -4603213.120 m 0.001 m

Z: 4044436.499 m 0.001 m 4044436.391 m 0.001 m

LAT: 39 35 38.10040 0.000 m 39 35 38.11625 0.000 m

E LON: 249 14 18.47503 0.000 m 249 14 18.42030 0.000 m

W LON: 110 45 41.52497 0.000 m 110 45 41.57970 0.000 m

EL HGT: 1714.207 m 0.001 m 1713.446 m 0.001 m

ORTHO HGT: 1731.109 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4382714.692 m 2140209.912 m

EASTING (X) 520475.400 m 563425.775 m

CONVERGENCE 0.15198333 deg 0.47304444 deg

POINT SCALE 0.99960516 0.99990763

COMBINED FACTOR 0.99933640 0.99963879

US NATIONAL GRID DESIGNATOR: 12SWJ2047582714 (NAD 83)

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MARK: utpc (utpc 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1776393.496 m 0.000 m -1776394.408 m 0.000 m

Y: -4510884.104 m 0.001 m -4510882.817 m 0.001 m

Z: 4133932.276 m 0.001 m 4133932.175 m 0.001 m

LAT: 40 38 39.24100 0.000 m 40 38 39.25675 0.000 m

E LON: 248 30 19.43672 0.000 m 248 30 19.38057 0.000 m

W LON: 111 29 40.56328 0.000 m 111 29 40.61943 0.000 m

EL HGT: 2159.234 m 0.001 m 2158.513 m 0.001 m

ORTHO HGT: 2174.734 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4499382.413 m 1034525.218 m

EASTING (X) 458180.367 m 500456.693 m

CONVERGENCE 0.32216667 deg 0.00356111 deg

POINT SCALE 0.99962153 1.00001248

COMBINED FACTOR 0.99928306 0.99967388

US NATIONAL GRID DESIGNATOR: 12TVK5818099382 (NAD 83)

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MARK: utr1 (utr1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1797482.983 m 0.000 m -1797483.904 m 0.000 m

Y: -4453246.242 m 0.001 m -4453244.962 m 0.001 m

Z: 4185312.780 m 0.001 m 4185312.683 m 0.001 m

LAT: 41 15 48.20558 0.000 m 41 15 48.22122 0.000 m

E LON: 248 01 09.50348 0.000 m 248 01 09.44621 0.000 m

W LON: 111 58 50.49652 0.000 m 111 58 50.55379 0.000 m

EL HGT: 1300.337 m 0.001 m 1299.640 m 0.001 m

ORTHO HGT: 1316.924 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4568460.268 m 1103394.130 m

EASTING (X) 417850.854 m 459720.136 m

CONVERGENCE 0.64682500 deg 0.31694722 deg

POINT SCALE 0.99968305 0.99995687

COMBINED FACTOR 0.99947919 0.99975296

US NATIONAL GRID DESIGNATOR: 12TVL1785068460 (NAD 83)

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MARK: utrc (utrc 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1724909.858 m 0.000 m -1724910.775 m 0.000 m

Y: -4450676.452 m 0.001 m -4450675.175 m 0.001 m

Z: 4219151.579 m 0.001 m 4219151.486 m 0.001 m

LAT: 41 39 54.05989 0.000 m 41 39 54.07615 0.000 m

E LON: 248 48 56.15248 0.000 m 248 48 56.09558 0.000 m

W LON: 111 11 03.84752 0.000 m 111 11 03.90442 0.000 m

EL HGT: 1910.821 m 0.001 m 1910.117 m 0.001 m

ORTHO HGT: 1925.716 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4612600.917 m 1147934.692 m

EASTING (X) 484648.421 m 526283.708 m

CONVERGENCE 0.12258611 deg 0.20809167 deg

POINT SCALE 0.99960290 0.99998294

COMBINED FACTOR 0.99930340 0.99968333

US NATIONAL GRID DESIGNATOR: 12TVM8464812600 (NAD 83)

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MARK: utri (utri 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1874171.124 m 0.001 m -1874172.028 m 0.001 m

Y: -4615075.542 m 0.001 m -4615074.236 m 0.001 m

Z: 3972861.870 m 0.001 m 3972861.754 m 0.001 m

LAT: 38 45 47.03984 0.000 m 38 45 47.05457 0.000 m

E LON: 247 53 52.96825 0.000 m 247 53 52.91320 0.000 m

W LON: 112 06 07.03175 0.000 m 112 06 07.08680 0.000 m

EL HGT: 1629.258 m 0.001 m 1628.506 m 0.001 m

ORTHO HGT: 1648.105 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4291060.832 m 2047886.605 m

EASTING (X) 404261.230 m 447678.109 m

CONVERGENCE 0.68998611 deg 0.38559722 deg

POINT SCALE 0.99971287 1.00007223

COMBINED FACTOR 0.99945738 0.99981665

US NATIONAL GRID DESIGNATOR: 12SVH0426191060 (NAD 83)

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MARK: utro (utro 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1666196.163 m 0.000 m -1666197.068 m 0.000 m

Y: -4579107.332 m 0.001 m -4579106.033 m 0.001 m

Z: 4103941.828 m 0.001 m 4103941.726 m 0.001 m

LAT: 40 17 38.74049 0.000 m 40 17 38.75705 0.000 m

E LON: 250 00 18.40097 0.000 m 250 00 18.34617 0.000 m

W LON: 109 59 41.59903 0.000 m 109 59 41.65383 0.000 m

EL HGT: 1538.031 m 0.001 m 1537.269 m 0.001 m

ORTHO HGT: 1555.529 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4460884.284 m 2218760.713 m

EASTING (X) 585427.528 m 627959.292 m

CONVERGENCE 0.65005556 deg 0.96414167 deg

POINT SCALE 0.99968983 0.99993087

COMBINED FACTOR 0.99944869 0.99968967

US NATIONAL GRID DESIGNATOR: 12TWK8542760884 (NAD 83)

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MARK: utrs (utrs 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1797229.293 m 0.000 m -1797230.216 m 0.000 m

Y: -4411707.027 m 0.001 m -4411705.755 m 0.001 m

Z: 4228943.719 m 0.001 m 4228943.628 m 0.001 m

LAT: 41 47 15.86180 0.000 m 41 47 15.87752 0.000 m

E LON: 247 50 06.48133 0.000 m 247 50 06.42353 0.000 m

W LON: 112 09 53.51867 0.000 m 112 09 53.57647 0.000 m

EL HGT: 1334.809 m 0.001 m 1334.129 m 0.001 m

ORTHO HGT: 1350.214 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4626865.321 m 1161728.844 m

EASTING (X) 403207.846 m 444733.137 m

CONVERGENCE 0.77629444 deg 0.43838333 deg

POINT SCALE 0.99971529 1.00000072

COMBINED FACTOR 0.99950603 0.99979140

US NATIONAL GRID DESIGNATOR: 12TVM0320726865 (NAD 83)

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MARK: uts2 (uts2 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0258)

X: -1801968.287 m 0.000 m -1801969.204 m 0.000 m

Y: -4539320.608 m 0.001 m -4539319.314 m 0.001 m

Z: 4090581.933 m 0.001 m 4090581.827 m 0.001 m

LAT: 40 08 16.20903 0.000 m 40 08 16.22446 0.000 m

E LON: 248 20 54.49429 0.000 m 248 20 54.43813 0.000 m

W LON: 111 39 05.50571 0.000 m 111 39 05.56187 0.000 m

EL HGT: 1371.485 m 0.001 m 1370.755 m 0.001 m

ORTHO HGT: 1388.876 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4443259.261 m 2200345.598 m

EASTING (X) 444497.428 m 487087.511 m

CONVERGENCE 0.42000556 deg 0.09706667 deg

POINT SCALE 0.99963792 0.99991276

COMBINED FACTOR 0.99942289 0.99969767

US NATIONAL GRID DESIGNATOR: 12TVK4449743259 (NAD 83)

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MARK: utsg (utsg 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -2042751.532 m 0.000 m -2042752.439 m 0.000 m

Y: -4672758.901 m 0.001 m -4672757.581 m 0.001 m

Z: 3819031.408 m 0.001 m 3819031.276 m 0.001 m

LAT: 37 00 47.06829 0.000 m 37 00 47.08140 0.000 m

E LON: 246 23 12.80499 0.000 m 246 23 12.75000 0.000 m

W LON: 113 36 47.19501 0.000 m 113 36 47.25000 0.000 m

EL HGT: 796.585 m 0.001 m 795.830 m 0.001 m

ORTHO HGT: 821.288 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4099515.563 m 3040570.574 m

EASTING (X) 267513.208 m 311949.048 m

CONVERGENCE -1.57378889 deg -1.29467500 deg

POINT SCALE 1.00026590 1.00004114

COMBINED FACTOR 1.00014087 0.99991614

US NATIONAL GRID DESIGNATOR: 12STF6751399515 (NAD 83)

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MARK: utsl (utsl 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1805100.682 m 0.000 m -1805101.599 m 0.000 m

Y: -4491556.596 m 0.001 m -4491555.311 m 0.001 m

Z: 4141134.552 m 0.001 m 4141134.451 m 0.001 m

LAT: 40 44 11.46911 0.000 m 40 44 11.48463 0.000 m

E LON: 248 06 19.51049 0.000 m 248 06 19.45382 0.000 m

W LON: 111 53 40.48951 0.000 m 111 53 40.54618 0.000 m

EL HGT: 1284.345 m 0.001 m 1283.635 m 0.001 m

ORTHO HGT: 1301.259 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4509893.693 m 2266885.048 m

EASTING (X) 424465.151 m 466669.407 m

CONVERGENCE 0.58381389 deg 0.25276111 deg

POINT SCALE 0.99967023 1.00002268

COMBINED FACTOR 0.99946887 0.99982125

US NATIONAL GRID DESIGNATOR: 12TVL2446509893 (NAD 83)

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MARK: utso (utso 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1803506.423 m 0.000 m -1803507.340 m 0.000 m

Y: -4488987.724 m 0.001 m -4488986.439 m 0.001 m

Z: 4144749.170 m 0.001 m 4144749.070 m 0.001 m

LAT: 40 46 43.22662 0.000 m 40 46 43.24218 0.000 m

E LON: 248 06 41.73849 0.000 m 248 06 41.68179 0.000 m

W LON: 111 53 18.26151 0.000 m 111 53 18.31821 0.000 m

EL HGT: 1388.373 m 0.001 m 1387.664 m 0.001 m

ORTHO HGT: 1405.119 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4514567.875 m 2271564.120 m

EASTING (X) 425033.877 m 467211.293 m

CONVERGENCE 0.58028056 deg 0.24880556 deg

POINT SCALE 0.99966917 1.00003456

COMBINED FACTOR 0.99945150 0.99981681

US NATIONAL GRID DESIGNATOR: 12TVL2503314567 (NAD 83)

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MARK: utta (utta 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1721619.280 m 0.000 m -1721620.187 m 0.000 m

Y: -4554501.496 m 0.001 m -4554500.201 m 0.001 m

Z: 4109090.319 m 0.001 m 4109090.218 m 0.001 m

LAT: 40 21 05.57198 0.000 m 40 21 05.58818 0.000 m

E LON: 249 17 35.56635 0.000 m 249 17 35.51099 0.000 m

W LON: 110 42 24.43365 0.000 m 110 42 24.48901 0.000 m

EL HGT: 1975.733 m 0.001 m 1974.989 m 0.001 m

ORTHO HGT: 1991.262 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4466818.023 m 2224362.092 m

EASTING (X) 524899.758 m 567381.904 m

CONVERGENCE 0.18985000 deg 0.50811389 deg

POINT SCALE 0.99960763 0.99993940

COMBINED FACTOR 0.99929791 0.99962958

US NATIONAL GRID DESIGNATOR: 12TWK2489966818 (NAD 83)

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MARK: uttp (uttp 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1902123.063 m 0.000 m -1902123.958 m 0.000 m

Y: -4688113.383 m 0.001 m -4688112.065 m 0.001 m

Z: 3873947.506 m 0.001 m 3873947.382 m 0.001 m

LAT: 37 37 38.88675 0.000 m 37 37 38.90107 0.000 m

E LON: 247 54 57.50638 0.000 m 247 54 57.45236 0.000 m

W LON: 112 05 02.49362 0.000 m 112 05 02.54764 0.000 m

EL HGT: 1914.784 m 0.001 m 1914.007 m 0.001 m

ORTHO HGT: 1935.220 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4165035.688 m 3106793.746 m

EASTING (X) 404344.511 m 448447.811 m

CONVERGENCE 0.66187500 deg 0.35782500 deg

POINT SCALE 0.99971270 0.99995501

COMBINED FACTOR 0.99941241 0.99965464

US NATIONAL GRID DESIGNATOR: 12SVG0434465035 (NAD 83)

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MARK: utuc (utuc 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1624760.431 m 0.000 m -1624761.337 m 0.000 m

Y: -4581629.290 m 0.001 m -4581627.991 m 0.001 m

Z: 4117751.161 m 0.001 m 4117751.059 m 0.001 m

LAT: 40 27 24.02579 0.000 m 40 27 24.04267 0.000 m

E LON: 250 28 27.19033 0.000 m 250 28 27.13568 0.000 m

W LON: 109 31 32.80967 0.000 m 109 31 32.86432 0.000 m

EL HGT: 1619.493 m 0.001 m 1618.726 m 0.001 m

ORTHO HGT: 1636.287 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4479489.136 m 2237584.082 m

EASTING (X) 624998.842 m 667437.098 m

CONVERGENCE 0.95670556 deg 1.26464167 deg

POINT SCALE 0.99979233 0.99995763

COMBINED FACTOR 0.99953840 0.99970366

US NATIONAL GRID DESIGNATOR: 12TXK2499879489 (NAD 83)

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MARK: utwa (utwa 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1765435.777 m 0.000 m -1765436.689 m 0.000 m

Y: -4502607.572 m 0.001 m -4502606.287 m 0.001 m

Z: 4146986.762 m 0.001 m 4146986.663 m 0.001 m

LAT: 40 48 07.47650 0.000 m 40 48 07.49235 0.000 m

E LON: 248 35 24.93085 0.000 m 248 35 24.87463 0.000 m

W LON: 111 24 35.06915 0.000 m 111 24 35.12537 0.000 m

EL HGT: 1800.869 m 0.001 m 1800.150 m 0.001 m

ORTHO HGT: 1816.544 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4516866.845 m 1052057.407 m

EASTING (X) 465437.198 m 507616.494 m

CONVERGENCE 0.26774722 deg 0.05951111 deg

POINT SCALE 0.99961470 0.99998731

COMBINED FACTOR 0.99933240 0.99970490

US NATIONAL GRID DESIGNATOR: 12TVL6543716866 (NAD 83)

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MARK: utwb (utwb 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1798727.015 m 0.000 m -1798727.929 m 0.000 m

Y: -4497956.098 m 0.001 m -4497954.813 m 0.001 m

Z: 4137307.445 m 0.001 m 4137307.344 m 0.001 m

LAT: 40 41 22.01078 0.000 m 40 41 22.02634 0.000 m

E LON: 248 12 12.93044 0.000 m 248 12 12.87400 0.000 m

W LON: 111 47 47.06956 0.000 m 111 47 47.12600 0.000 m

EL HGT: 1492.750 m 0.001 m 1492.036 m 0.001 m

ORTHO HGT: 1509.129 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4504588.634 m 2261625.718 m

EASTING (X) 432707.133 m 474944.751 m

CONVERGENCE 0.51924444 deg 0.18987222 deg

POINT SCALE 0.99965574 1.00001005

COMBINED FACTOR 0.99942171 0.99977594

US NATIONAL GRID DESIGNATOR: 12TVL3270704588 (NAD 83)

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MARK: utwe (utwe 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1967929.217 m 0.000 m -1967930.148 m 0.000 m

Y: -4421982.902 m 0.001 m -4421981.622 m 0.001 m

Z: 4141813.759 m 0.001 m 4141813.661 m 0.001 m

LAT: 40 44 40.80209 0.000 m 40 44 40.81642 0.000 m

E LON: 246 00 33.65295 0.000 m 246 00 33.59451 0.000 m

W LON: 113 59 26.34705 0.000 m 113 59 26.40549 0.000 m

EL HGT: 1274.390 m 0.001 m 1273.726 m 0.001 m

ORTHO HGT: 1292.712 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4514716.626 m 2270645.082 m

EASTING (X) 247496.295 m 289663.896 m

CONVERGENCE -1.95299722 deg -1.59545833 deg

POINT SCALE 1.00038484 1.00002493

COMBINED FACTOR 1.00018490 0.99982506

US NATIONAL GRID DESIGNATOR: 12TTL4749614716 (NAD 83)

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MARK: wwrf (wwrf 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2441735.765 m 0.000 m -2441736.718 m 0.000 m

Y: -4280322.265 m 0.001 m -4280320.945 m 0.001 m

Z: 4037877.745 m 0.001 m 4037877.689 m 0.001 m

LAT: 39 31 12.72280 0.000 m 39 31 12.73530 0.000 m

E LON: 240 17 49.70872 0.000 m 240 17 49.64669 0.000 m

W LON: 119 42 10.29128 0.000 m 119 42 10.35331 0.000 m

EL HGT: 1326.126 m 0.001 m 1325.570 m 0.001 m

ORTHO HGT: 1350.275 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4377995.123 m 4529944.113 m

EASTING (X) 267661.597 m 703742.125 m

CONVERGENCE -1.72073333 deg 0.71246389 deg

POINT SCALE 1.00026467 1.00001404

COMBINED FACTOR 1.00005661 0.99980603

US NATIONAL GRID DESIGNATOR: 11SKD6766177995 (NAD 83)

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MARK: wybf (wybf 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1639495.818 m 0.000 m -1639496.731 m 0.000 m

Y: -4491602.934 m 0.001 m -4491601.648 m 0.001 m

Z: 4209905.346 m 0.001 m 4209905.255 m 0.001 m

LAT: 41 33 13.01567 0.000 m 41 33 13.03270 0.000 m

E LON: 249 56 50.04260 0.000 m 249 56 49.98659 0.000 m

W LON: 110 03 09.95740 0.000 m 110 03 10.01341 0.000 m

EL HGT: 1922.280 m 0.001 m 1921.550 m 0.001 m

ORTHO HGT: 1937.264 m 0.017 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

NORTHING (Y) 4600649.749 m 217001.804 m

EASTING (X) 578993.977 m 802549.994 m

CONVERGENCE 0.62835278 deg 0.02027500 deg

POINT SCALE 0.99967679 0.99993758

COMBINED FACTOR 0.99937547 0.99963618

US NATIONAL GRID DESIGNATOR: 12TWM7899300649 (NAD 83)

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MARK: wydp (wydp 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1641940.539 m 0.000 m -1641941.457 m 0.000 m

Y: -4428117.412 m 0.001 m -4428116.134 m 0.001 m

Z: 4275888.138 m 0.001 m 4275888.055 m 0.001 m

LAT: 42 20 55.23133 0.000 m 42 20 55.24853 0.000 m

E LON: 249 39 19.01155 0.000 m 249 39 18.95454 0.000 m

W LON: 110 20 40.98845 0.000 m 110 20 41.04546 0.000 m

EL HGT: 2347.778 m 0.001 m 2347.072 m 0.001 m

ORTHO HGT: 2359.977 m 0.017 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

NORTHING (Y) 4688698.344 m 305338.087 m

EASTING (X) 553971.655 m 778463.962 m

CONVERGENCE 0.44143333 deg 0.17608056 deg

POINT SCALE 0.99963584 0.99994320

COMBINED FACTOR 0.99926789 0.99957514

US NATIONAL GRID DESIGNATOR: 12TWM5397188698 (NAD 83)

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MARK: wyke (wyke 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1671531.068 m 0.000 m -1671531.983 m 0.000 m

Y: -4461951.889 m 0.001 m -4461950.607 m 0.001 m

Z: 4228922.510 m 0.001 m 4228922.422 m 0.001 m

LAT: 41 46 53.05485 0.000 m 41 46 53.07171 0.000 m

E LON: 249 27 47.17988 0.000 m 249 27 47.12332 0.000 m

W LON: 110 32 12.82012 0.000 m 110 32 12.87668 0.000 m

EL HGT: 2090.610 m 0.001 m 2089.895 m 0.001 m

ORTHO HGT: 2104.814 m 0.017 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

NORTHING (Y) 4625609.867 m 242398.971 m

EASTING (X) 538484.329 m 762296.090 m

CONVERGENCE 0.30856667 deg 0.30220833 deg

POINT SCALE 0.99961822 0.99995499

COMBINED FACTOR 0.99929055 0.99962721

US NATIONAL GRID DESIGNATOR: 12TWM3848425609 (NAD 83)

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MARK: wyrs (wyrs 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1572450.361 m 0.000 m -1572451.273 m 0.000 m

Y: -4513367.136 m 0.001 m -4513365.847 m 0.001 m

Z: 4212187.841 m 0.001 m 4212187.749 m 0.001 m

LAT: 41 34 51.88796 0.000 m 41 34 51.90547 0.000 m

E LON: 250 47 30.26296 0.000 m 250 47 30.20749 0.000 m

W LON: 109 12 29.73704 0.000 m 109 12 29.79251 0.000 m

EL HGT: 1921.692 m 0.001 m 1920.945 m 0.001 m

ORTHO HGT: 1935.948 m 0.017 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

NORTHING (Y) 4604815.926 m 120152.928 m

EASTING (X) 649359.834 m 561787.123 m

CONVERGENCE 1.18936111 deg 0.30414167 deg

POINT SCALE 0.99987453 0.99995546

COMBINED FACTOR 0.99957324 0.99965415

US NATIONAL GRID DESIGNATOR: 12TXM4935904815 (NAD 83)

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MARK: wysi (wysi 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1549807.361 m 0.000 m -1549808.269 m 0.000 m

Y: -4561929.575 m 0.001 m -4561928.279 m 0.001 m

Z: 4168721.296 m 0.001 m 4168721.199 m 0.001 m

LAT: 41 03 29.15873 0.000 m 41 03 29.17627 0.000 m

E LON: 251 14 09.69321 0.000 m 251 14 09.63857 0.000 m

W LON: 108 45 50.30679 0.000 m 108 45 50.36143 0.000 m

EL HGT: 2178.188 m 0.001 m 2177.419 m 0.001 m

ORTHO HGT: 2192.855 m 0.017 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

NORTHING (Y) 4547615.537 m 61972.986 m

EASTING (X) 687894.608 m 598825.392 m

CONVERGENCE 1.46910556 deg 0.00917778 deg

POINT SCALE 1.00003453 0.99993752

COMBINED FACTOR 0.99969297 0.99959599

US NATIONAL GRID DESIGNATOR: 12TXL8789447615 (NAD 83)

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MARK: yer1 (yer1 1)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2419323.691 m 0.000 m -2419324.636 m 0.000 m

Y: -4335572.699 m 0.001 m -4335571.373 m 0.001 m

Z: 3992458.138 m 0.001 m 3992458.078 m 0.001 m

LAT: 38 59 31.29184 0.000 m 38 59 31.30455 0.000 m

E LON: 240 50 15.84885 0.000 m 240 50 15.78772 0.000 m

W LON: 119 09 44.15115 0.000 m 119 09 44.21228 0.000 m

EL HGT: 1317.766 m 0.001 m 1317.186 m 0.001 m

ORTHO HGT: 1342.594 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4318115.589 m 4470872.715 m

EASTING (X) 312735.381 m 749848.507 m

CONVERGENCE -1.36091944 deg 0.36427778 deg

POINT SCALE 1.00003183 0.99993096

COMBINED FACTOR 0.99982511 0.99972426

US NATIONAL GRID DESIGNATOR: 11SLD1273518115 (NAD 83)

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CONSTRAINED MARKS

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MARK: azgv (azgv a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: -0.000m (0.000m) Y: -0.000m (0.000m) Z: 0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: -0.000m (0.000m) H: 0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0007)

X: -2142209.898 m 0.000 m -2142210.779 m 0.000 m

Y: -4754587.079 m 0.000 m -4754585.752 m 0.000 m

Z: 3661449.024 m 0.000 m 3661448.879 m 0.000 m

LAT: 35 15 15.73147 0.000 m 35 15 15.74349 0.000 m

E LON: 245 44 44.68806 0.000 m 245 44 44.63472 0.000 m

W LON: 114 15 15.31194 0.000 m 114 15 15.36528 0.000 m

EL HGT: 868.347 m 0.000 m 867.571 m 0.000 m

ORTHO HGT: 897.292 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (0203 AZ W)

NORTHING (Y) 3904708.853 m 471924.205 m

EASTING (X) 749808.249 m 167473.405 m

CONVERGENCE 1.58568611 deg 0.29106389 deg

POINT SCALE 1.00036913 0.99995927

COMBINED FACTOR 1.00023280 0.99982300

US NATIONAL GRID DESIGNATOR: 11SQV4980804708 (NAD 83)

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MARK: burn (burn a 5)

CONSTRAIN: 3-D TIGHT

ADJUST X: -0.000m (0.000m) Y: 0.000m (0.000m) Z: 0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: -0.000m (0.000m) H: 0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0013)

X: -2190266.271 m 0.000 m -2190267.206 m 0.000 m

Y: -4146573.202 m 0.000 m -4146571.943 m 0.000 m

Z: 4310356.942 m 0.000 m 4310356.872 m 0.000 m

LAT: 42 46 46.18852 0.000 m 42 46 46.20173 0.000 m

E LON: 242 09 23.34802 0.000 m 242 09 23.28578 0.000 m

W LON: 117 50 36.65198 0.000 m 117 50 36.71422 0.000 m

EL HGT: 1181.428 m 0.000 m 1180.883 m 0.000 m

ORTHO HGT: 1199.740 m 0.015 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (3602 OR S)

NORTHING (Y) 4736673.737 m 127063.257 m

EASTING (X) 431000.988 m 1717330.996 m

CONVERGENCE 0.57291944 deg 1.81742778 deg

POINT SCALE 0.99965857 0.99991753

COMBINED FACTOR 0.99947339 0.99973230

US NATIONAL GRID DESIGNATOR: 11TMH3100036673 (NAD 83)

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MARK: cti4 (cti4 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: -0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: -0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0009)

X: -1552691.592 m 0.000 m -1552692.475 m 0.000 m

Y: -4848835.887 m 0.000 m -4848834.547 m 0.000 m

Z: 3832151.828 m 0.000 m 3832151.693 m 0.000 m

LAT: 37 09 10.48964 0.000 m 37 09 10.50588 0.000 m

E LON: 252 14 38.12332 0.000 m 252 14 38.07269 0.000 m

W LON: 107 45 21.87668 0.000 m 107 45 21.92731 0.000 m

EL HGT: 2018.867 m 0.000 m 2017.983 m 0.000 m

ORTHO HGT: 2038.491 m 0.025 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (0503 CO S)

NORTHING (Y) 4115392.663 m 361186.684 m

EASTING (X) 255241.298 m 714003.877 m

CONVERGENCE -1.66534444 deg -1.38382778 deg

POINT SCALE 1.00033804 1.00001557

COMBINED FACTOR 1.00002121 0.99969885

US NATIONAL GRID DESIGNATOR: 13SBB5524115392 (NAD 83)

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MARK: egan (egan a 5)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: -0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: 0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0009)

X: -2083233.532 m 0.000 m -2083234.461 m 0.000 m

Y: -4479987.608 m 0.000 m -4479986.308 m 0.000 m

Z: 4023297.951 m 0.000 m 4023297.835 m 0.000 m

LAT: 39 20 42.86062 0.000 m 39 20 42.87389 0.000 m

E LON: 245 03 40.17292 0.000 m 245 03 40.11489 0.000 m

W LON: 114 56 19.82708 0.000 m 114 56 19.88511 0.000 m

EL HGT: 1998.945 m 0.000 m 1998.262 m 0.000 m

ORTHO HGT: 2019.213 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 4357115.223 m 8510120.766 m

EASTING (X) 677616.394 m 255552.414 m

CONVERGENCE 1.30710000 deg 0.40861389 deg

POINT SCALE 0.99998844 0.99993798

COMBINED FACTOR 0.99967493 0.99962448

US NATIONAL GRID DESIGNATOR: 11SPD7761657115 (NAD 83)

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MARK: idby (idby a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: 0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0012)

X: -1710923.071 m 0.000 m -1710924.013 m 0.000 m

Y: -4281180.351 m 0.000 m -4281179.102 m 0.000 m

Z: 4394745.876 m 0.000 m 4394745.786 m 0.000 m

LAT: 43 49 13.27929 0.000 m 43 49 13.29537 0.000 m

E LON: 248 12 59.27290 0.000 m 248 12 59.21301 0.000 m

W LON: 111 47 00.72710 0.000 m 111 47 00.78699 0.000 m

EL HGT: 1493.776 m 0.000 m 1493.130 m 0.000 m

ORTHO HGT: 1504.978 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (1101 ID E)

NORTHING (Y) 4852218.737 m 239307.194 m

EASTING (X) 436991.437 m 230820.463 m

CONVERGENCE 0.54253611 deg 0.26528333 deg

POINT SCALE 0.99964883 0.99995905

COMBINED FACTOR 0.99941473 0.99972488

US NATIONAL GRID DESIGNATOR: 12TVP3699152218 (NAD 83)

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MARK: mc01 (mc01 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: -0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: -0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0008)

X: -1575525.102 m 0.000 m -1575525.995 m 0.000 m

Y: -4701076.504 m 0.000 m -4701075.191 m 0.000 m

Z: 4001088.783 m 0.000 m 4001088.663 m 0.000 m

LAT: 39 05 28.39211 0.000 m 39 05 28.40873 0.000 m

E LON: 251 28 18.73025 0.000 m 251 28 18.67767 0.000 m

W LON: 108 31 41.26975 0.000 m 108 31 41.32233 0.000 m

EL HGT: 1438.008 m 0.000 m 1437.187 m 0.000 m

ORTHO HGT: 1454.926 m 0.025 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0502 CO C)

NORTHING (Y) 4329808.277 m 448800.593 m

EASTING (X) 713782.134 m 652488.220 m

CONVERGENCE 1.55924444 deg -1.90981111 deg

POINT SCALE 1.00016278 0.99993592

COMBINED FACTOR 0.99993718 0.99971037

US NATIONAL GRID DESIGNATOR: 12SYJ1378229808 (NAD 83)

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MARK: nvpo (nvpo a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: 0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0008)

X: -2225756.371 m 0.000 m -2225757.285 m 0.000 m

Y: -4667319.384 m 0.000 m -4667318.058 m 0.000 m

Z: 3725728.886 m 0.000 m 3725728.753 m 0.000 m

LAT: 35 57 22.58606 0.000 m 35 57 22.59787 0.000 m

E LON: 244 30 15.86976 0.000 m 244 30 15.81408 0.000 m

W LON: 115 29 44.13024 0.000 m 115 29 44.18592 0.000 m

EL HGT: 2492.432 m 0.000 m 2491.703 m 0.000 m

ORTHO HGT: 2519.493 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2701 NV E)

NORTHING (Y) 3980144.561 m 8133822.730 m

EASTING (X) 635668.434 m 207914.681 m

CONVERGENCE 0.88347500 deg 0.05151944 deg

POINT SCALE 0.99982680 0.99990077

COMBINED FACTOR 0.99943583 0.99950977

US NATIONAL GRID DESIGNATOR: 11SPV3566880144 (NAD 83)

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MARK: p008 (p008 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: -0.000m (0.000m) Y: -0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: -0.000m (0.000m) H: 0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0006)

X: -1859349.096 m 0.000 m -1859349.979 m 0.000 m

Y: -4811105.132 m 0.000 m -4811103.796 m 0.000 m

Z: 3741898.724 m 0.000 m 3741898.585 m 0.000 m

LAT: 36 08 34.13988 0.000 m 36 08 34.15400 0.000 m

E LON: 248 52 11.87397 0.000 m 248 52 11.82176 0.000 m

W LON: 111 07 48.12603 0.000 m 111 07 48.17824 0.000 m

EL HGT: 1522.879 m 0.000 m 1522.048 m 0.000 m

ORTHO HGT: 1546.114 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0202 AZ C)

NORTHING (Y) 3999796.924 m 570644.913 m

EASTING (X) 488301.418 m 284151.112 m

CONVERGENCE 0.07669444 deg 0.46397500 deg

POINT SCALE 0.99960169 0.99996173

COMBINED FACTOR 0.99936283 0.99972278

US NATIONAL GRID DESIGNATOR: 12SVE8830199796 (NAD 83)

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MARK: p009 (p009 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: -0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0054)

X: -1891354.108 m 0.000 m -1891355.012 m 0.000 m

Y: -4629377.714 m 0.000 m -4629376.397 m 0.000 m

Z: 3948381.775 m 0.000 m 3948381.648 m 0.000 m

LAT: 38 28 47.73268 0.000 m 38 28 47.74714 0.000 m

E LON: 247 46 38.27438 0.000 m 247 46 38.21933 0.000 m

W LON: 112 13 21.72562 0.000 m 112 13 21.78067 0.000 m

EL HGT: 1762.269 m 0.000 m 1761.503 m 0.000 m

ORTHO HGT: 1781.397 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4303 UT S)

NORTHING (Y) 4259774.097 m 3201494.369 m

EASTING (X) 393351.593 m 436938.303 m

CONVERGENCE 0.76088611 deg 0.44278889 deg

POINT SCALE 0.99974007 1.00002498

COMBINED FACTOR 0.99946371 0.99974854

US NATIONAL GRID DESIGNATOR: 12SUH9335159774 (NAD 83)

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MARK: p030 (p030 a 2)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: 0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0258)

X: -1670489.246 m 0.000 m -1670490.157 m 0.000 m

Y: -4464886.276 m 0.000 m -4464885.003 m 0.000 m

Z: 4226344.140 m 0.000 m 4226344.046 m 0.000 m

LAT: 41 44 59.31514 0.000 m 41 44 59.33171 0.000 m

E LON: 249 29 13.93312 0.000 m 249 29 13.87690 0.000 m

W LON: 110 30 46.06688 0.000 m 110 30 46.12310 0.000 m

EL HGT: 2150.497 m 0.000 m 2149.783 m 0.000 m

ORTHO HGT: 2164.764 m 0.017 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

NORTHING (Y) 4622113.176 m 238879.747 m

EASTING (X) 540506.770 m 764281.819 m

CONVERGENCE 0.32442222 deg 0.28597222 deg

POINT SCALE 0.99962019 0.99995319

COMBINED FACTOR 0.99928313 0.99961602

US NATIONAL GRID DESIGNATOR: 12TWM4050622113 (NAD 83)

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MARK: p032 (p032 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: 0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0010)

X: -1414311.170 m 0.000 m -1414312.074 m 0.000 m

Y: -4553167.694 m 0.000 m -4553166.396 m 0.000 m

Z: 4225680.888 m 0.000 m 4225680.780 m 0.000 m

LAT: 41 44 30.00328 0.000 m 41 44 30.02161 0.000 m

E LON: 252 44 38.72116 0.000 m 252 44 38.66716 0.000 m

W LON: 107 15 21.27884 0.000 m 107 15 21.33284 0.000 m

EL HGT: 2168.085 m 0.000 m 2167.288 m 0.000 m

ORTHO HGT: 2181.645 m 0.017 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

NORTHING (Y) 4623553.874 m 237889.224 m

EASTING (X) 312411.497 m 406439.993 m

CONVERGENCE -1.50236111 deg 0.05154722 deg

POINT SCALE 1.00003305 0.99993801

COMBINED FACTOR 0.99969310 0.99959809

US NATIONAL GRID DESIGNATOR: 13TCG1241123553 (NAD 83)

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MARK: p100 (p100 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: -0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0013)

X: -1881970.787 m 0.000 m -1881971.720 m 0.000 m

Y: -4371104.969 m 0.000 m -4371103.700 m 0.000 m

Z: 4235027.372 m 0.000 m 4235027.281 m 0.000 m

LAT: 41 51 24.46636 0.000 m 41 51 24.48139 0.000 m

E LON: 246 42 20.87568 0.000 m 246 42 20.81679 0.000 m

W LON: 113 17 39.12432 0.000 m 113 17 39.18321 0.000 m

EL HGT: 1884.127 m 0.000 m 1883.473 m 0.000 m

ORTHO HGT: 1898.846 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4301 UT N)

NORTHING (Y) 4636421.408 m 1170725.632 m

EASTING (X) 309568.644 m 351024.926 m

CONVERGENCE -1.53131389 deg -1.18301667 deg

POINT SCALE 1.00004626 1.00001275

COMBINED FACTOR 0.99975082 0.99971732

US NATIONAL GRID DESIGNATOR: 12TUM0956836421 (NAD 83)

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MARK: p146 (p146 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: -0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2510761.103 m 0.000 m -2510762.063 m 0.000 m

Y: -4256090.755 m 0.000 m -4256089.422 m 0.000 m

Z: 4022850.942 m 0.000 m 4022850.898 m 0.000 m

LAT: 39 20 14.85506 0.000 m 39 20 14.86753 0.000 m

E LON: 239 27 45.77407 0.000 m 239 27 45.71129 0.000 m

W LON: 120 32 14.22593 0.000 m 120 32 14.28871 0.000 m

EL HGT: 2347.829 m 0.000 m 2347.290 m 0.000 m

ORTHO HGT: 2371.367 m 0.022 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 10) SPC (0402 CA 2)

NORTHING (Y) 4357118.371 m 686483.031 m

EASTING (X) 712247.114 m 2126090.672 m

CONVERGENCE 1.56166389 deg 0.92219444 deg

POINT SCALE 1.00015470 0.99992438

COMBINED FACTOR 0.99978643 0.99955619

US NATIONAL GRID DESIGNATOR: 10SGJ1224757118 (NAD 83)

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MARK: p151 (p151 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: -0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: 0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2442201.636 m 0.000 m -2442202.590 m 0.000 m

Y: -4216877.286 m 0.000 m -4216875.982 m 0.000 m

Z: 4103356.406 m 0.000 m 4103356.353 m 0.000 m

LAT: 40 17 20.03122 0.000 m 40 17 20.04354 0.000 m

E LON: 239 55 21.90530 0.000 m 239 55 21.84269 0.000 m

W LON: 120 04 38.09470 0.000 m 120 04 38.15731 0.000 m

EL HGT: 1313.577 m 0.000 m 1313.047 m 0.000 m

ORTHO HGT: 1336.836 m 0.022 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 10) SPC (0401 CA 1)

NORTHING (Y) 4463922.456 m 607897.732 m

EASTING (X) 748448.461 m 2163474.161 m

CONVERGENCE 1.89093889 deg 1.25725833 deg

POINT SCALE 1.00035991 0.99993977

COMBINED FACTOR 1.00015381 0.99973376

US NATIONAL GRID DESIGNATOR: 10TGK4844863922 (NAD 83)

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MARK: p351 (p351 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: -0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: -0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0013)

X: -1926554.223 m 0.000 m -1926555.164 m 0.000 m

Y: -4184944.735 m 0.000 m -4184943.491 m 0.000 m

Z: 4399909.576 m 0.000 m 4399909.510 m 0.000 m

LAT: 43 52 27.87462 0.000 m 43 52 27.88960 0.000 m

E LON: 245 16 51.06797 0.000 m 245 16 51.00641 0.000 m

W LON: 114 43 08.93203 0.000 m 114 43 08.99359 0.000 m

EL HGT: 2693.180 m 0.000 m 2692.603 m 0.000 m

ORTHO HGT: 2705.657 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (1102 ID C)

NORTHING (Y) 4860452.637 m 245492.864 m

EASTING (X) 683252.569 m 442201.343 m

CONVERGENCE 1.58125278 deg 0.49844167 deg

POINT SCALE 1.00001305 0.99998844

COMBINED FACTOR 0.99959091 0.99956631

US NATIONAL GRID DESIGNATOR: 11TPJ8325260452 (NAD 83)

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MARK: p394 (p394 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: -0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: 0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0013)

X: -2113294.937 m 0.000 m -2113295.877 m 0.000 m

Y: -4008284.575 m 0.000 m -4008283.349 m 0.000 m

Z: 4475067.121 m 0.000 m 4475067.078 m 0.000 m

LAT: 44 50 05.55486 0.000 m 44 50 05.56862 0.000 m

E LON: 242 12 01.36016 0.000 m 242 12 01.29629 0.000 m

W LON: 117 47 58.63984 0.000 m 117 47 58.70371 0.000 m

EL HGT: 1011.190 m 0.000 m 1010.701 m 0.000 m

ORTHO HGT: 1028.264 m 0.015 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (3601 OR N)

NORTHING (Y) 4964918.490 m 133381.000 m

EASTING (X) 436796.772 m 2713468.251 m

CONVERGENCE 0.56380556 deg 1.91506944 deg

POINT SCALE 0.99964912 0.99991147

COMBINED FACTOR 0.99949066 0.99975296

US NATIONAL GRID DESIGNATOR: 11TMK3679664918 (NAD 83)

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MARK: p675 (p675 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: -0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0009)

X: -1827675.106 m 0.000 m -1827676.038 m 0.000 m

Y: -4365172.563 m 0.000 m -4365171.297 m 0.000 m

Z: 4264139.987 m 0.000 m 4264139.898 m 0.000 m

LAT: 42 12 43.97909 0.000 m 42 12 43.99455 0.000 m

E LON: 247 16 52.29188 0.000 m 247 16 52.23310 0.000 m

W LON: 112 43 07.70812 0.000 m 112 43 07.76690 0.000 m

EL HGT: 1559.781 m 0.000 m 1559.122 m 0.000 m

ORTHO HGT: 1573.885 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (1101 ID E)

NORTHING (Y) 4674768.828 m 60739.766 m

EASTING (X) 358124.265 m 154409.325 m

CONVERGENCE -1.15502222 deg 0.37097778 deg

POINT SCALE 0.99984767 0.99997293

COMBINED FACTOR 0.99960313 0.99972836

US NATIONAL GRID DESIGNATOR: 12TUM5812474768 (NAD 83)

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MARK: puc2 (puc2 a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: 0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0258)

X: -1745061.768 m 0.000 m -1745062.671 m 0.000 m

Y: -4603214.452 m 0.000 m -4603213.149 m 0.000 m

Z: 4044436.534 m 0.000 m 4044436.426 m 0.000 m

LAT: 39 35 38.10058 0.000 m 39 35 38.11644 0.000 m

E LON: 249 14 18.47476 0.000 m 249 14 18.42001 0.000 m

W LON: 110 45 41.52524 0.000 m 110 45 41.57999 0.000 m

EL HGT: 1714.255 m 0.000 m 1713.494 m 0.000 m

ORTHO HGT: 1731.157 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4382714.698 m 2140209.917 m

EASTING (X) 520475.394 m 563425.768 m

CONVERGENCE 0.15198333 deg 0.47304444 deg

POINT SCALE 0.99960516 0.99990763

COMBINED FACTOR 0.99933640 0.99963879

US NATIONAL GRID DESIGNATOR: 12SWJ2047582714 (NAD 83)

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MARK: upsa (upsa a 3)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: -0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: 0.000m (0.000m) H: 0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0014)

X: -2370479.288 m 0.000 m -2370480.234 m 0.000 m

Y: -4311482.026 m 0.000 m -4311480.719 m 0.000 m

Z: 4046969.905 m 0.000 m 4046969.825 m 0.000 m

LAT: 39 37 37.58864 0.000 m 39 37 37.60091 0.000 m

E LON: 241 11 51.84493 0.000 m 241 11 51.78376 0.000 m

W LON: 118 48 08.15507 0.000 m 118 48 08.21624 0.000 m

EL HGT: 1233.854 m 0.000 m 1233.272 m 0.000 m

ORTHO HGT: 1258.148 m 0.012 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (2703 NV W)

NORTHING (Y) 4387923.047 m 4541236.880 m

EASTING (X) 345320.822 m 781205.131 m

CONVERGENCE -1.14969167 deg 0.13963333 deg

POINT SCALE 0.99989457 0.99990435

COMBINED FACTOR 0.99970105 0.99971083

US NATIONAL GRID DESIGNATOR: 11SLD4532087923 (NAD 83)

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MARK: utmn (utmn a 1)

CONSTRAIN: 3-D TIGHT

ADJUST X: -0.000m (0.000m) Y: -0.000m (0.000m) Z: 0.000m (0.000m)

ADJUST N: -0.000m (0.000m) E: 0.000m (0.000m) H: 0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0032)

X: -1797378.161 m 0.000 m -1797379.075 m 0.000 m

Y: -4540683.239 m 0.000 m -4540681.946 m 0.000 m

Z: 4091171.715 m 0.000 m 4091171.609 m 0.000 m

LAT: 40 08 39.69952 0.000 m 40 08 39.71500 0.000 m

E LON: 248 24 15.92496 0.000 m 248 24 15.86898 0.000 m

W LON: 111 35 44.07504 0.000 m 111 35 44.13102 0.000 m

EL HGT: 1426.992 m 0.000 m 1426.262 m 0.000 m

ORTHO HGT: 1444.090 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4443950.070 m 2201063.481 m

EASTING (X) 449268.841 m 491856.283 m

CONVERGENCE 0.38398611 deg 0.06122500 deg

POINT SCALE 0.99963168 0.99991336

COMBINED FACTOR 0.99940795 0.99968957

US NATIONAL GRID DESIGNATOR: 12TVK4926843950 (NAD 83)

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MARK: zlc1 (zlc1 a 5)

CONSTRAIN: 3-D TIGHT

ADJUST X: 0.000m (0.000m) Y: 0.000m (0.000m) Z: -0.000m (0.000m)

ADJUST N: 0.000m (0.000m) E: -0.000m (0.000m) H: -0.000m (0.000m)

REF FRAME: NAD\_83(2011) (2010.0000) IGS08 (2019.0258)

X: -1808272.256 m 0.000 m -1808273.172 m 0.000 m

Y: -4486411.786 m 0.000 m -4486410.508 m 0.000 m

Z: 4145302.798 m 0.000 m 4145302.692 m 0.000 m

LAT: 40 47 09.73909 0.000 m 40 47 09.75435 0.000 m

E LON: 248 02 52.21405 0.000 m 248 02 52.15745 0.000 m

W LON: 111 57 07.78595 0.000 m 111 57 07.84255 0.000 m

EL HGT: 1287.693 m 0.000 m 1286.986 m 0.000 m

ORTHO HGT: 1304.691 m 0.016 m (H = h - N WHERE N = GEOID12B HGT)

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4302 UT C)

NORTHING (Y) 4515441.844 m 2272407.263 m

EASTING (X) 419662.709 m 461833.209 m

CONVERGENCE 0.62201944 deg 0.28964444 deg

POINT SCALE 0.99967944 1.00003669

COMBINED FACTOR 0.99947755 0.99983473

US NATIONAL GRID DESIGNATOR: 12TVL1966215441 (NAD 83)