

# European Ground Motion Service (EGMS) - GNSS calibration data

Copernicus Land Monitoring Service



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PROGRAMME OF  
THE EUROPEAN UNION



# Content

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| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 71.677059100 | 24.988045730 | 0.28  | -0.42 | 0.41  | 0.41   | 0.41   | 0.74    | 4850000 | 5450000  |
| 71.573514230 | 26.348400110 | 0.26  | -0.34 | 0.71  | 0.39   | 0.39   | 0.70    | 4900000 | 5450000  |
| 71.461257320 | 27.694442550 | 0.21  | -0.25 | 1.00  | 0.41   | 0.41   | 0.73    | 4950000 | 5450000  |
| 71.340438940 | 29.025307670 | 0.13  | -0.18 | 1.23  | 0.42   | 0.42   | 0.76    | 5000000 | 5450000  |
| 71.211217090 | 30.340206270 | 0.01  | -0.14 | 1.35  | 0.42   | 0.42   | 0.75    | 5050000 | 5450000  |
| 71.411100550 | 21.949184740 | 0.30  | -0.57 | 0.11  | 0.43   | 0.43   | 0.80    | 4750000 | 5400000  |
| 71.327496480 | 23.305576110 | 0.32  | -0.49 | 0.54  | 0.41   | 0.41   | 0.75    | 4800000 | 5400000  |
| 71.235103650 | 24.650476440 | 0.36  | -0.43 | 0.86  | 0.37   | 0.37   | 0.65    | 4850000 | 5400000  |
| 71.134045700 | 25.982932550 | 0.43  | -0.38 | 1.09  | 0.25   | 0.25   | 0.42    | 4900000 | 5400000  |
| 71.024455090 | 27.302055650 | 0.38  | -0.22 | 1.48  | 0.35   | 0.35   | 0.60    | 4950000 | 5400000  |
| 70.906472250 | 28.607023670 | 0.25  | -0.14 | 1.71  | 0.39   | 0.39   | 0.68    | 5000000 | 5400000  |
| 70.780244740 | 29.897082900 | 0.12  | -0.12 | 1.83  | 0.38   | 0.38   | 0.66    | 5050000 | 5400000  |
| 70.645926390 | 31.171548850 | -0.01 | -0.12 | 1.84  | 0.33   | 0.33   | 0.56    | 5100000 | 5400000  |
| 70.503676470 | 32.429806440 | -0.13 | -0.04 | 1.63  | 0.38   | 0.38   | 0.66    | 5150000 | 5400000  |
| 71.037514410 | 20.345752430 | 0.37  | -0.64 | 0.14  | 0.42   | 0.42   | 0.78    | 4700000 | 5350000  |
| 70.964614900 | 21.683489790 | 0.32  | -0.59 | 0.73  | 0.40   | 0.41   | 0.74    | 4750000 | 5350000  |
| 70.883011040 | 23.011479690 | 0.32  | -0.50 | 1.20  | 0.39   | 0.39   | 0.70    | 4800000 | 5350000  |
| 70.792808940 | 24.328769320 | 0.38  | -0.42 | 1.53  | 0.36   | 0.36   | 0.63    | 4850000 | 5350000  |
| 70.694123780 | 25.634460550 | 0.51  | -0.28 | 1.84  | 0.30   | 0.30   | 0.49    | 4900000 | 5350000  |
| 70.587079110 | 26.927712790 | 0.54  | -0.09 | 2.27  | 0.26   | 0.26   | 0.44    | 4950000 | 5350000  |
| 70.471806050 | 28.207745270 | 0.38  | -0.02 | 2.31  | 0.36   | 0.36   | 0.61    | 5000000 | 5350000  |
| 70.348442580 | 29.473838620 | 0.22  | -0.03 | 2.36  | 0.36   | 0.36   | 0.61    | 5050000 | 5350000  |
| 70.217132750 | 30.725335900 | 0.08  | -0.07 | 2.37  | 0.25   | 0.25   | 0.42    | 5100000 | 5350000  |
| 70.078025920 | 31.961642960 | -0.06 | 0.03  | 2.10  | 0.36   | 0.36   | 0.61    | 5150000 | 5350000  |
| 69.931275990 | 33.182228280 | -0.17 | 0.14  | 1.71  | 0.42   | 0.42   | 0.76    | 5200000 | 5350000  |
| 69.777040650 | 34.386622290 | -0.30 | 0.20  | 1.27  | 0.44   | 0.44   | 0.82    | 5250000 | 5350000  |
| 70.705672960 | 17.477120410 | 0.55  | -0.73 | -0.70 | 0.43   | 0.43   | 0.79    | 4600000 | 5300000  |
| 70.651778460 | 18.802309040 | 0.48  | -0.70 | 0.09  | 0.42   | 0.42   | 0.76    | 4650000 | 5300000  |
| 70.589200180 | 20.120338470 | 0.38  | -0.68 | 0.84  | 0.39   | 0.39   | 0.70    | 4700000 | 5300000  |
| 70.518018090 | 21.430225720 | 0.27  | -0.65 | 1.51  | 0.34   | 0.34   | 0.63    | 4750000 | 5300000  |
| 70.438321920 | 22.731029560 | 0.23  | -0.57 | 2.03  | 0.29   | 0.29   | 0.56    | 4800000 | 5300000  |
| 70.350210540 | 24.021854360 | 0.32  | -0.42 | 2.33  | 0.34   | 0.34   | 0.60    | 4850000 | 5300000  |
| 70.253791410 | 25.301853310 | 0.46  | -0.18 | 2.59  | 0.34   | 0.34   | 0.58    | 4900000 | 5300000  |
| 70.149179870 | 26.570231160 | 0.53  | 0.03  | 2.87  | 0.28   | 0.28   | 0.46    | 4950000 | 5300000  |
| 70.036498540 | 27.826246410 | 0.42  | 0.10  | 2.88  | 0.33   | 0.33   | 0.55    | 5000000 | 5300000  |
| 69.915876590 | 29.069212810 | 0.28  | 0.14  | 2.88  | 0.38   | 0.38   | 0.65    | 5050000 | 5300000  |
| 69.787449030 | 30.298500470 | 0.14  | 0.16  | 2.81  | 0.38   | 0.38   | 0.66    | 5100000 | 5300000  |
| 69.651356090 | 31.513536390 | 0.00  | 0.20  | 2.55  | 0.40   | 0.40   | 0.71    | 5150000 | 5300000  |
| 69.507742420 | 32.713804430 | -0.12 | 0.27  | 2.15  | 0.43   | 0.43   | 0.78    | 5200000 | 5300000  |
| 69.356756490 | 33.898844950 | -0.23 | 0.32  | 1.67  | 0.44   | 0.44   | 0.82    | 5250000 | 5300000  |
| 70.254639220 | 17.316975690 | 0.64  | -0.74 | -0.06 | 0.41   | 0.41   | 0.73    | 4600000 | 5250000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 70.202000830 | 18.614481320  | 0.56  | -0.71  | 0.82  | 0.37   | 0.38   | 0.66    | 4650000 | 5250000  |
| 70.140872710 | 19.905313690  | 0.41  | -0.71  | 1.62  | 0.33   | 0.33   | 0.59    | 4700000 | 5250000  |
| 70.071329360 | 21.188552080  | 0.20  | -0.72  | 2.32  | 0.22   | 0.22   | 0.46    | 4750000 | 5250000  |
| 69.993454440 | 22.463313100  | 0.17  | -0.61  | 2.81  | 0.24   | 0.24   | 0.46    | 4800000 | 5250000  |
| 69.907340230 | 23.728754090  | 0.23  | -0.41  | 3.07  | 0.26   | 0.26   | 0.51    | 4850000 | 5250000  |
| 69.813087080 | 24.984076140  | 0.40  | -0.11  | 3.24  | 0.36   | 0.36   | 0.62    | 4900000 | 5250000  |
| 69.710802860 | 26.228526630  | 0.45  | 0.11   | 3.39  | 0.30   | 0.30   | 0.51    | 4950000 | 5250000  |
| 69.600602340 | 27.461401280  | 0.40  | 0.25   | 3.46  | 0.29   | 0.29   | 0.48    | 5000000 | 5250000  |
| 69.482606580 | 28.682045650  | 0.29  | 0.33   | 3.50  | 0.39   | 0.38   | 0.67    | 5050000 | 5250000  |
| 69.356942280 | 29.889856290  | 0.17  | 0.36   | 3.38  | 0.41   | 0.41   | 0.73    | 5100000 | 5250000  |
| 69.223741170 | 31.084281270  | 0.05  | 0.39   | 3.08  | 0.42   | 0.42   | 0.77    | 5150000 | 5250000  |
| 69.083139360 | 32.264820430  | -0.07 | 0.41   | 2.64  | 0.43   | 0.43   | 0.80    | 5200000 | 5250000  |
| 66.521769440 | -24.480610650 | 4.54  | -16.07 | -0.31 | 0.41   | 0.41   | 0.73    | 2850000 | 5200000  |
| 66.735157460 | -23.495135330 | 4.28  | -16.90 | 1.18  | 0.40   | 0.41   | 0.72    | 2900000 | 5200000  |
| 69.846802170 | 15.887754840  | 0.81  | -0.75  | -0.36 | 0.38   | 0.38   | 0.67    | 4550000 | 5200000  |
| 69.803727050 | 17.164132330  | 0.72  | -0.77  | 0.65  | 0.36   | 0.36   | 0.62    | 4600000 | 5200000  |
| 69.752287390 | 18.435173150  | 0.63  | -0.73  | 1.64  | 0.27   | 0.28   | 0.46    | 4650000 | 5200000  |
| 69.692543720 | 19.699984100  | 0.50  | -0.69  | 2.41  | 0.28   | 0.28   | 0.48    | 4700000 | 5200000  |
| 69.624565560 | 20.957701810  | 0.37  | -0.63  | 2.99  | 0.30   | 0.30   | 0.53    | 4750000 | 5200000  |
| 69.548431020 | 22.207496270  | 0.33  | -0.47  | 3.41  | 0.27   | 0.26   | 0.50    | 4800000 | 5200000  |
| 69.464226330 | 23.448573990  | 0.40  | -0.20  | 3.67  | 0.32   | 0.32   | 0.56    | 4850000 | 5200000  |
| 69.372045350 | 24.680180740  | 0.44  | 0.03   | 3.93  | 0.37   | 0.37   | 0.63    | 4900000 | 5200000  |
| 69.271989060 | 25.901603940  | 0.44  | 0.23   | 4.14  | 0.38   | 0.37   | 0.64    | 4950000 | 5200000  |
| 69.164165030 | 27.112174570  | 0.39  | 0.42   | 4.24  | 0.37   | 0.36   | 0.64    | 5000000 | 5200000  |
| 69.048686830 | 28.311268660  | 0.30  | 0.54   | 4.26  | 0.39   | 0.38   | 0.68    | 5050000 | 5200000  |
| 68.925673460 | 29.498308370  | 0.18  | 0.55   | 4.09  | 0.41   | 0.40   | 0.72    | 5100000 | 5200000  |
| 68.795248830 | 30.672762690  | 0.07  | 0.55   | 3.72  | 0.42   | 0.42   | 0.76    | 5150000 | 5200000  |
| 68.657541090 | 31.834147720  | -0.04 | 0.54   | 3.20  | 0.43   | 0.43   | 0.79    | 5200000 | 5200000  |
| 68.512682160 | 32.982026570  | -0.12 | 0.55   | 2.59  | 0.43   | 0.43   | 0.81    | 5250000 | 5200000  |
| 66.134388660 | -23.905591150 | 4.60  | -16.89 | -0.05 | 0.33   | 0.34   | 0.57    | 2850000 | 5150000  |
| 66.344175400 | -22.929735060 | 4.24  | -17.72 | 1.75  | 0.32   | 0.32   | 0.54    | 2900000 | 5150000  |
| 66.548372630 | -21.939072180 | 4.84  | -17.40 | 0.74  | 0.40   | 0.40   | 0.71    | 2950000 | 5150000  |
| 66.746845540 | -20.933623570 | 5.06  | -17.24 | -1.29 | 0.43   | 0.43   | 0.78    | 3000000 | 5150000  |
| 69.428931910 | 14.512570610  | 0.84  | -0.82  | -0.62 | 0.38   | 0.38   | 0.68    | 4500000 | 5150000  |
| 69.395050370 | 15.767401640  | 0.98  | -0.71  | 0.26  | 0.25   | 0.24   | 0.43    | 4550000 | 5150000  |
| 69.352938440 | 17.018105960  | 0.68  | -0.83  | 1.47  | 0.28   | 0.29   | 0.49    | 4600000 | 5150000  |
| 69.302643890 | 18.263823090  | 0.40  | -0.90  | 2.62  | 0.23   | 0.25   | 0.43    | 4650000 | 5150000  |
| 69.244223230 | 19.503715790  | 0.43  | -0.77  | 3.25  | 0.21   | 0.24   | 0.43    | 4700000 | 5150000  |
| 69.177741430 | 20.736973470  | 0.58  | -0.49  | 3.65  | 0.29   | 0.29   | 0.49    | 4750000 | 5150000  |
| 69.103271500 | 21.962815500  | 0.60  | -0.23  | 3.98  | 0.30   | 0.30   | 0.49    | 4800000 | 5150000  |
| 69.020894130 | 23.180494020  | 0.60  | 0.08   | 4.20  | 0.17   | 0.17   | 0.28    | 4850000 | 5150000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 68.930697230 | 24.389296530  | 0.51  | 0.15   | 4.62  | 0.35   | 0.35   | 0.59    | 4900000 | 5150000  |
| 68.832775430 | 25.588548040  | 0.45  | 0.32   | 4.89  | 0.39   | 0.38   | 0.67    | 4950000 | 5150000  |
| 68.727229670 | 26.777612880  | 0.38  | 0.56   | 5.06  | 0.38   | 0.35   | 0.66    | 5000000 | 5150000  |
| 68.614166590 | 27.955896160  | 0.28  | 0.77   | 5.12  | 0.36   | 0.30   | 0.62    | 5050000 | 5150000  |
| 68.493698110 | 29.122844840  | 0.19  | 0.74   | 4.91  | 0.37   | 0.36   | 0.64    | 5100000 | 5150000  |
| 68.365940840 | 30.277948430  | 0.07  | 0.70   | 4.45  | 0.40   | 0.39   | 0.70    | 5150000 | 5150000  |
| 68.231015580 | 31.420739390  | -0.03 | 0.67   | 3.82  | 0.42   | 0.42   | 0.77    | 5200000 | 5150000  |
| 68.089046790 | 32.550793170  | -0.11 | 0.64   | 3.11  | 0.42   | 0.42   | 0.80    | 5250000 | 5150000  |
| 65.533143170 | -24.301625800 | 4.50  | -16.81 | -1.08 | 0.37   | 0.39   | 0.65    | 2800000 | 5100000  |
| 65.744857230 | -23.349544250 | 4.63  | -17.50 | 0.30  | 0.31   | 0.33   | 0.53    | 2850000 | 5100000  |
| 65.951145610 | -22.383310850 | 4.63  | -17.59 | 1.92  | 0.31   | 0.32   | 0.52    | 2900000 | 5100000  |
| 66.151880090 | -21.402935420 | 4.89  | -17.58 | 0.97  | 0.39   | 0.40   | 0.68    | 2950000 | 5100000  |
| 66.346931510 | -20.408454240 | 5.23  | -17.32 | -0.97 | 0.42   | 0.42   | 0.75    | 3000000 | 5100000  |
| 66.536170000 | -19.399931650 | 5.81  | -16.76 | -3.47 | 0.42   | 0.43   | 0.77    | 3050000 | 5100000  |
| 66.719465280 | -18.377461690 | 4.37  | -14.40 | -4.80 | 0.43   | 0.43   | 0.79    | 3100000 | 5100000  |
| 69.001652850 | 13.189302840  | 0.75  | -0.95  | -0.82 | 0.41   | 0.41   | 0.74    | 4450000 | 5100000  |
| 68.976603920 | 14.422331180  | 0.75  | -0.93  | 0.15  | 0.37   | 0.37   | 0.66    | 4500000 | 5100000  |
| 68.943465770 | 15.652322910  | 0.71  | -0.92  | 1.21  | 0.30   | 0.30   | 0.51    | 4550000 | 5100000  |
| 68.902274570 | 16.878453980  | 0.49  | -1.00  | 2.42  | 0.25   | 0.27   | 0.46    | 4600000 | 5100000  |
| 68.853074960 | 18.099917810  | 0.34  | -0.98  | 3.51  | 0.24   | 0.26   | 0.45    | 4650000 | 5100000  |
| 68.795919780 | 19.315928570  | 0.45  | -0.75  | 4.05  | 0.30   | 0.31   | 0.54    | 4700000 | 5100000  |
| 68.730869810 | 20.525724420  | 0.65  | -0.45  | 4.42  | 0.30   | 0.30   | 0.52    | 4750000 | 5100000  |
| 68.657993420 | 21.728570430  | 0.74  | -0.19  | 4.76  | 0.29   | 0.27   | 0.50    | 4800000 | 5100000  |
| 68.577366190 | 22.923761160  | 0.63  | 0.01   | 5.10  | 0.29   | 0.29   | 0.49    | 4850000 | 5100000  |
| 68.489070550 | 24.110623030  | 0.53  | 0.14   | 5.44  | 0.28   | 0.27   | 0.47    | 4900000 | 5100000  |
| 68.393195300 | 25.288516330  | 0.41  | 0.32   | 5.66  | 0.37   | 0.37   | 0.64    | 4950000 | 5100000  |
| 68.289835230 | 26.456836950  | 0.32  | 0.53   | 5.79  | 0.38   | 0.37   | 0.66    | 5000000 | 5100000  |
| 68.179090630 | 27.615017710  | 0.24  | 0.73   | 5.84  | 0.36   | 0.34   | 0.61    | 5050000 | 5100000  |
| 68.061066800 | 28.762529440  | 0.17  | 0.85   | 5.78  | 0.23   | 0.23   | 0.38    | 5100000 | 5100000  |
| 67.935873630 | 29.898881720  | 0.05  | 0.80   | 5.18  | 0.34   | 0.34   | 0.59    | 5150000 | 5100000  |
| 67.803625050 | 31.023623330  | -0.07 | 0.74   | 4.41  | 0.41   | 0.41   | 0.74    | 5200000 | 5100000  |
| 67.664438590 | 32.136342350  | -0.16 | 0.72   | 3.62  | 0.43   | 0.42   | 0.79    | 5250000 | 5100000  |
| 65.145001470 | -23.754746400 | 4.48  | -17.57 | -1.41 | 0.29   | 0.35   | 0.53    | 2800000 | 5050000  |
| 65.353284700 | -22.811653060 | 4.45  | -17.57 | 0.29  | 0.29   | 0.33   | 0.51    | 2850000 | 5050000  |
| 65.556174460 | -21.855024690 | 4.95  | -17.99 | 2.10  | 0.27   | 0.33   | 0.49    | 2900000 | 5050000  |
| 65.753547730 | -20.884885520 | 5.52  | -17.67 | 1.90  | 0.38   | 0.39   | 0.66    | 2950000 | 5050000  |
| 65.945280690 | -19.901284900 | 5.95  | -17.73 | 0.36  | 0.40   | 0.40   | 0.70    | 3000000 | 5050000  |
| 66.131249070 | -18.904298820 | 6.84  | -17.13 | -3.35 | 0.38   | 0.39   | 0.67    | 3050000 | 5050000  |
| 66.311328380 | -17.894031300 | 5.32  | -14.15 | -3.46 | 0.39   | 0.40   | 0.69    | 3100000 | 5050000  |
| 66.485394200 | -16.870615750 | 1.94  | -8.55  | -0.61 | 0.41   | 0.41   | 0.75    | 3150000 | 5050000  |
| 66.653322550 | -15.834216290 | 0.24  | -2.03  | -1.63 | 0.43   | 0.43   | 0.80    | 3200000 | 5050000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 68.565550340 | 11.915815560  | 0.75  | -1.02  | -1.14 | 0.41   | 0.41   | 0.74    | 4400000 | 5050000  |
| 68.548983140 | 13.126924890  | 0.70  | -1.05  | -0.12 | 0.38   | 0.38   | 0.66    | 4450000 | 5050000  |
| 68.524473160 | 14.335975300  | 0.58  | -1.08  | 1.02  | 0.32   | 0.32   | 0.58    | 4500000 | 5050000  |
| 68.492046130 | 15.542181650  | 0.58  | -1.05  | 2.14  | 0.27   | 0.28   | 0.47    | 4550000 | 5050000  |
| 68.451735880 | 16.744771240  | 0.56  | -1.01  | 3.21  | 0.28   | 0.30   | 0.45    | 4600000 | 5050000  |
| 68.403584190 | 17.942986970  | 0.51  | -0.93  | 4.10  | 0.31   | 0.33   | 0.52    | 4650000 | 5050000  |
| 68.347640540 | 19.136090460  | 0.54  | -0.74  | 4.70  | 0.36   | 0.36   | 0.60    | 4700000 | 5050000  |
| 68.283961870 | 20.323364890  | 0.58  | -0.50  | 5.20  | 0.34   | 0.34   | 0.57    | 4750000 | 5050000  |
| 68.212612250 | 21.504117660  | 0.59  | -0.27  | 5.64  | 0.32   | 0.31   | 0.53    | 4800000 | 5050000  |
| 68.133662600 | 22.677682780  | 0.54  | -0.07  | 5.97  | 0.34   | 0.33   | 0.57    | 4850000 | 5050000  |
| 68.047190280 | 23.843423030  | 0.45  | 0.10   | 6.23  | 0.33   | 0.32   | 0.55    | 4900000 | 5050000  |
| 67.953278710 | 25.000731840  | 0.33  | 0.27   | 6.37  | 0.36   | 0.34   | 0.60    | 4950000 | 5050000  |
| 67.852017030 | 26.149034860  | 0.24  | 0.46   | 6.43  | 0.35   | 0.34   | 0.58    | 5000000 | 5050000  |
| 67.743499610 | 27.287791300  | 0.17  | 0.62   | 6.41  | 0.34   | 0.34   | 0.57    | 5050000 | 5050000  |
| 67.627825650 | 28.416494940  | 0.08  | 0.74   | 6.22  | 0.34   | 0.33   | 0.56    | 5100000 | 5050000  |
| 67.505098770 | 29.534674880  | -0.03 | 0.74   | 5.68  | 0.37   | 0.36   | 0.64    | 5150000 | 5050000  |
| 67.375426520 | 30.641896020  | -0.12 | 0.74   | 4.91  | 0.41   | 0.41   | 0.74    | 5200000 | 5050000  |
| 67.238919980 | 31.737759280  | -0.23 | 0.76   | 4.09  | 0.43   | 0.43   | 0.80    | 5250000 | 5050000  |
| 67.095693320 | 32.821901580  | -0.33 | 0.75   | 3.26  | 0.43   | 0.43   | 0.82    | 5300000 | 5050000  |
| 64.544636840 | -24.146399990 | 4.10  | -16.96 | -4.36 | 0.34   | 0.37   | 0.61    | 2750000 | 5000000  |
| 64.754826400 | -23.225251200 | 4.46  | -17.33 | -2.46 | 0.31   | 0.35   | 0.55    | 2800000 | 5000000  |
| 64.959773710 | -22.291140050 | 4.93  | -18.05 | 0.10  | 0.31   | 0.34   | 0.54    | 2850000 | 5000000  |
| 65.159361500 | -21.344080670 | 5.40  | -18.11 | 2.85  | 0.31   | 0.35   | 0.54    | 2900000 | 5000000  |
| 65.353471690 | -20.384109760 | 6.22  | -18.36 | 4.74  | 0.36   | 0.37   | 0.62    | 2950000 | 5000000  |
| 65.541985640 | -19.411287920 | 7.40  | -17.98 | 4.09  | 0.36   | 0.37   | 0.62    | 3000000 | 5000000  |
| 65.724784390 | -18.425700930 | 8.54  | -17.45 | 0.32  | 0.23   | 0.27   | 0.41    | 3050000 | 5000000  |
| 65.901748940 | -17.427461050 | 7.35  | -15.28 | 0.52  | 0.30   | 0.31   | 0.51    | 3100000 | 5000000  |
| 66.072760530 | -16.416708160 | 1.32  | -3.68  | 2.34  | 0.37   | 0.37   | 0.64    | 3150000 | 5000000  |
| 66.237700940 | -15.393610890 | 0.17  | -0.55  | -0.47 | 0.42   | 0.42   | 0.76    | 3200000 | 5000000  |
| 66.396452830 | -14.358367690 | 0.72  | -1.00  | -1.37 | 0.44   | 0.44   | 0.82    | 3250000 | 5000000  |
| 66.548900060 | -13.311207700 | 0.75  | -0.94  | -1.09 | 0.44   | 0.44   | 0.85    | 3300000 | 5000000  |
| 68.112746790 | 11.879173910  | 0.77  | -1.07  | -0.53 | 0.37   | 0.37   | 0.65    | 4400000 | 5000000  |
| 68.096528970 | 13.067181750  | 0.70  | -1.08  | 0.51  | 0.27   | 0.27   | 0.46    | 4450000 | 5000000  |
| 68.072534930 | 14.253259000  | 0.51  | -1.18  | 1.82  | 0.25   | 0.25   | 0.46    | 4500000 | 5000000  |
| 68.040788760 | 15.436668950  | 0.52  | -1.13  | 2.95  | 0.29   | 0.30   | 0.49    | 4550000 | 5000000  |
| 68.001322160 | 16.616686080  | 0.55  | -1.04  | 3.87  | 0.33   | 0.34   | 0.55    | 4600000 | 5000000  |
| 67.954174270 | 17.792598910  | 0.60  | -0.89  | 4.61  | 0.34   | 0.35   | 0.57    | 4650000 | 5000000  |
| 67.899391490 | 18.963712830  | 0.61  | -0.72  | 5.24  | 0.35   | 0.35   | 0.58    | 4700000 | 5000000  |
| 67.837027220 | 20.129352670  | 0.56  | -0.52  | 5.84  | 0.32   | 0.32   | 0.53    | 4750000 | 5000000  |
| 67.767141610 | 21.288865090  | 0.48  | -0.33  | 6.41  | 0.24   | 0.24   | 0.39    | 4800000 | 5000000  |
| 67.689801240 | 22.441620820  | 0.44  | -0.10  | 6.70  | 0.36   | 0.36   | 0.61    | 4850000 | 5000000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 67.605078810 | 23.587016630  | 0.35  | 0.09   | 6.88  | 0.36   | 0.34   | 0.61    | 4900000 | 5000000  |
| 67.513052790 | 24.724477030  | 0.24  | 0.28   | 6.97  | 0.34   | 0.31   | 0.58    | 4950000 | 5000000  |
| 67.413807060 | 25.853455810  | 0.16  | 0.44   | 7.01  | 0.27   | 0.27   | 0.45    | 5000000 | 5000000  |
| 67.307430520 | 26.973437240  | 0.07  | 0.57   | 6.90  | 0.30   | 0.30   | 0.49    | 5050000 | 5000000  |
| 67.194016710 | 28.083937100  | -0.01 | 0.63   | 6.60  | 0.38   | 0.36   | 0.64    | 5100000 | 5000000  |
| 67.073663420 | 29.184503410  | -0.11 | 0.64   | 6.09  | 0.39   | 0.35   | 0.68    | 5150000 | 5000000  |
| 66.946472270 | 30.274716920  | -0.21 | 0.74   | 5.31  | 0.41   | 0.40   | 0.74    | 5200000 | 5000000  |
| 66.812548300 | 31.354191410  | -0.30 | 0.80   | 4.47  | 0.43   | 0.43   | 0.79    | 5250000 | 5000000  |
| 66.671999610 | 32.422573760  | -0.41 | 0.80   | 3.62  | 0.44   | 0.44   | 0.82    | 5300000 | 5000000  |
| 63.943787750 | -24.525468360 | 3.53  | -15.52 | -5.16 | 0.41   | 0.42   | 0.76    | 2700000 | 4950000  |
| 64.155802170 | -23.625153920 | 3.88  | -16.21 | -5.88 | 0.37   | 0.37   | 0.66    | 2750000 | 4950000  |
| 64.362717030 | -22.712417710 | 3.87  | -16.99 | -2.99 | 0.32   | 0.32   | 0.55    | 2800000 | 4950000  |
| 64.564420500 | -21.787265400 | 4.51  | -18.24 | 0.72  | 0.26   | 0.28   | 0.47    | 2850000 | 4950000  |
| 64.760799860 | -20.849722980 | 4.77  | -18.96 | 4.70  | 0.28   | 0.31   | 0.50    | 2900000 | 4950000  |
| 64.951741830 | -19.899837920 | 6.31  | -18.52 | 10.23 | 0.26   | 0.29   | 0.49    | 2950000 | 4950000  |
| 65.137132690 | -18.937680430 | 9.32  | -17.82 | 12.63 | 0.31   | 0.32   | 0.54    | 3000000 | 4950000  |
| 65.316858560 | -17.963344500 | 11.63 | -18.03 | 8.11  | 0.29   | 0.31   | 0.50    | 3050000 | 4950000  |
| 65.490805670 | -16.976949070 | 8.92  | -12.70 | 4.60  | 0.24   | 0.25   | 0.40    | 3100000 | 4950000  |
| 65.658860620 | -15.978639070 | 1.44  | -0.18  | 4.93  | 0.34   | 0.34   | 0.57    | 3150000 | 4950000  |
| 65.820910660 | -14.968586340 | 0.65  | -0.35  | -0.36 | 0.41   | 0.41   | 0.73    | 3200000 | 4950000  |
| 65.976844010 | -13.946990570 | 0.90  | -0.61  | -0.95 | 0.43   | 0.43   | 0.81    | 3250000 | 4950000  |
| 67.668418300 | 10.677077330  | 0.79  | -1.18  | -0.87 | 0.42   | 0.42   | 0.76    | 4350000 | 4950000  |
| 67.660167100 | 11.844050690  | 0.76  | -1.16  | 0.10  | 0.37   | 0.37   | 0.65    | 4400000 | 4950000  |
| 67.644283990 | 13.009910850  | 0.70  | -1.15  | 1.19  | 0.29   | 0.29   | 0.47    | 4450000 | 4950000  |
| 67.620784280 | 14.173958370  | 0.57  | -1.19  | 2.48  | 0.29   | 0.31   | 0.49    | 4500000 | 4950000  |
| 67.589690570 | 15.335501120  | 0.49  | -1.18  | 3.68  | 0.26   | 0.27   | 0.44    | 4550000 | 4950000  |
| 67.551032580 | 16.493857030  | 0.52  | -1.09  | 4.53  | 0.31   | 0.29   | 0.52    | 4600000 | 4950000  |
| 67.504847050 | 17.648356750  | 0.66  | -0.90  | 5.12  | 0.29   | 0.29   | 0.48    | 4650000 | 4950000  |
| 67.451177520 | 18.798346090  | 0.68  | -0.72  | 5.73  | 0.27   | 0.27   | 0.44    | 4700000 | 4950000  |
| 67.390074150 | 19.943188440  | 0.58  | -0.54  | 6.38  | 0.36   | 0.36   | 0.60    | 4750000 | 4950000  |
| 67.321593450 | 21.082266970  | 0.47  | -0.33  | 6.91  | 0.37   | 0.37   | 0.62    | 4800000 | 4950000  |
| 67.245798010 | 22.214986590  | 0.37  | -0.12  | 7.24  | 0.38   | 0.38   | 0.65    | 4850000 | 4950000  |
| 67.162756230 | 23.340775830  | 0.26  | 0.11   | 7.44  | 0.36   | 0.34   | 0.62    | 4900000 | 4950000  |
| 67.072541990 | 24.459088410  | 0.15  | 0.34   | 7.49  | 0.34   | 0.32   | 0.59    | 4950000 | 4950000  |
| 66.975234300 | 25.569404650  | 0.06  | 0.52   | 7.51  | 0.35   | 0.33   | 0.59    | 5000000 | 4950000  |
| 66.870917000 | 26.671232650  | -0.02 | 0.63   | 7.33  | 0.36   | 0.35   | 0.61    | 5050000 | 4950000  |
| 66.759678360 | 27.764109240  | -0.10 | 0.66   | 6.93  | 0.39   | 0.37   | 0.67    | 5100000 | 4950000  |
| 66.641610750 | 28.847600690  | -0.20 | 0.70   | 6.37  | 0.38   | 0.36   | 0.67    | 5150000 | 4950000  |
| 66.516810240 | 29.921303280  | -0.29 | 0.81   | 5.60  | 0.40   | 0.39   | 0.70    | 5200000 | 4950000  |
| 66.385376270 | 30.984843610  | -0.39 | 0.85   | 4.78  | 0.42   | 0.42   | 0.76    | 5250000 | 4950000  |
| 66.247411230 | 32.037878660  | -0.48 | 0.84   | 3.93  | 0.44   | 0.43   | 0.81    | 5300000 | 4950000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 63.556238940 | -24.012317500 | 3.36  | -14.21 | -5.78 | 0.42   | 0.42   | 0.77    | 2700000 | 4900000  |
| 63.765038390 | -23.119893670 | 3.73  | -14.78 | -8.17 | 0.35   | 0.35   | 0.67    | 2750000 | 4900000  |
| 63.968766360 | -22.215557280 | 3.39  | -15.27 | -4.40 | 0.26   | 0.26   | 0.46    | 2800000 | 4900000  |
| 64.167315240 | -21.299325250 | 4.84  | -13.75 | -2.97 | 0.28   | 0.28   | 0.47    | 2850000 | 4900000  |
| 64.360576740 | -20.371233890 | 3.35  | -16.11 | 8.12  | 0.29   | 0.29   | 0.51    | 2900000 | 4900000  |
| 64.548442130 | -19.431339990 | 4.93  | -16.32 | 16.31 | 0.24   | 0.23   | 0.46    | 2950000 | 4900000  |
| 64.730802400 | -18.479721830 | 8.07  | -16.06 | 22.76 | 0.27   | 0.31   | 0.50    | 3000000 | 4900000  |
| 64.907548540 | -17.516480240 | 16.69 | -21.14 | 17.16 | 0.27   | 0.31   | 0.50    | 3050000 | 4900000  |
| 65.078571750 | -16.541739530 | 5.64  | -4.95  | 10.92 | 0.30   | 0.32   | 0.52    | 3100000 | 4900000  |
| 65.243763710 | -15.555648400 | 2.66  | 1.20   | 8.03  | 0.32   | 0.33   | 0.55    | 3150000 | 4900000  |
| 65.403016860 | -14.558380800 | 1.16  | 0.11   | 0.75  | 0.40   | 0.40   | 0.71    | 3200000 | 4900000  |
| 65.556224660 | -13.550136640 | 1.09  | -0.03  | -0.34 | 0.43   | 0.43   | 0.80    | 3250000 | 4900000  |
| 67.215888230 | 10.664698780  | 0.78  | -1.27  | -0.26 | 0.42   | 0.42   | 0.77    | 4350000 | 4900000  |
| 67.207803930 | 11.810353940  | 0.73  | -1.29  | 0.76  | 0.39   | 0.39   | 0.68    | 4400000 | 4900000  |
| 67.192241760 | 12.954962720  | 0.65  | -1.27  | 1.92  | 0.34   | 0.35   | 0.58    | 4450000 | 4900000  |
| 67.169216100 | 14.097867470  | 0.49  | -1.27  | 3.22  | 0.24   | 0.28   | 0.43    | 4500000 | 4900000  |
| 67.138748150 | 15.238417150  | 0.40  | -1.24  | 4.38  | 0.27   | 0.27   | 0.46    | 4550000 | 4900000  |
| 67.100865830 | 16.375969810  | 0.49  | -1.14  | 5.19  | 0.27   | 0.26   | 0.47    | 4600000 | 4900000  |
| 67.055603670 | 17.509894970  | 0.71  | -0.95  | 5.61  | 0.24   | 0.24   | 0.40    | 4650000 | 4900000  |
| 67.003002570 | 18.639575880  | 0.67  | -0.75  | 6.22  | 0.31   | 0.31   | 0.52    | 4700000 | 4900000  |
| 66.943109700 | 19.764411710  | 0.56  | -0.56  | 6.82  | 0.37   | 0.37   | 0.63    | 4750000 | 4900000  |
| 66.875978200 | 20.883819520  | 0.44  | -0.37  | 7.29  | 0.38   | 0.38   | 0.65    | 4800000 | 4900000  |
| 66.801667000 | 21.997236130  | 0.32  | -0.16  | 7.63  | 0.37   | 0.37   | 0.63    | 4850000 | 4900000  |
| 66.720240510 | 23.104119770  | 0.19  | 0.07   | 7.87  | 0.34   | 0.34   | 0.57    | 4900000 | 4900000  |
| 66.631768330 | 24.203951590  | 0.07  | 0.30   | 7.98  | 0.35   | 0.34   | 0.59    | 4950000 | 4900000  |
| 66.536325000 | 25.296236950  | -0.03 | 0.55   | 7.98  | 0.35   | 0.32   | 0.59    | 5000000 | 4900000  |
| 66.433989630 | 26.380506560  | -0.11 | 0.68   | 7.69  | 0.37   | 0.34   | 0.64    | 5050000 | 4900000  |
| 66.324845600 | 27.456317350  | -0.18 | 0.74   | 7.17  | 0.38   | 0.37   | 0.66    | 5100000 | 4900000  |
| 66.208980230 | 28.523253220  | -0.26 | 0.86   | 6.54  | 0.34   | 0.33   | 0.57    | 5150000 | 4900000  |
| 66.086484440 | 29.580925560  | -0.37 | 0.95   | 5.80  | 0.32   | 0.31   | 0.54    | 5200000 | 4900000  |
| 65.957452380 | 30.628973610  | -0.47 | 0.92   | 5.02  | 0.40   | 0.40   | 0.71    | 5250000 | 4900000  |
| 65.821981140 | 31.667064610  | -0.56 | 0.88   | 4.18  | 0.43   | 0.43   | 0.79    | 5300000 | 4900000  |
| 65.680170390 | 32.694893810  | -0.64 | 0.83   | 3.29  | 0.44   | 0.44   | 0.83    | 5350000 | 4900000  |
| 63.372435420 | -22.629977310 | 3.55  | -7.95  | -9.17 | 0.40   | 0.40   | 0.72    | 2750000 | 4850000  |
| 63.573061730 | -21.734013580 | 3.19  | -1.71  | -3.33 | 0.36   | 0.36   | 0.62    | 2800000 | 4850000  |
| 63.768542520 | -20.826650020 | 2.42  | -2.77  | 3.38  | 0.32   | 0.33   | 0.53    | 2850000 | 4850000  |
| 63.958773750 | -19.907931920 | 1.17  | -11.21 | 14.82 | 0.26   | 0.26   | 0.46    | 2900000 | 4850000  |
| 64.143651070 | -18.977924000 | 2.13  | -8.52  | 17.59 | 0.30   | 0.30   | 0.52    | 2950000 | 4850000  |
| 64.323069970 | -18.036711390 | 2.33  | -12.80 | 24.23 | 0.31   | 0.34   | 0.54    | 3000000 | 4850000  |
| 64.496926060 | -17.084400460 | 8.69  | -5.27  | 24.73 | 0.34   | 0.35   | 0.58    | 3050000 | 4850000  |
| 64.665115270 | -16.121119740 | 0.94  | 6.17   | 19.84 | 0.30   | 0.32   | 0.51    | 3100000 | 4850000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 64.827534130 | -15.147020660 | 2.23  | 4.30  | 10.20 | 0.30   | 0.32   | 0.52    | 3150000 | 4850000  |
| 64.984079960 | -14.162278270 | 1.73  | 1.85  | 2.64  | 0.39   | 0.40   | 0.70    | 3200000 | 4850000  |
| 66.755649970 | 11.777998980  | 0.71  | -1.38 | 1.37  | 0.37   | 0.38   | 0.64    | 4400000 | 4850000  |
| 66.740395780 | 12.902199730  | 0.62  | -1.35 | 2.51  | 0.28   | 0.30   | 0.48    | 4450000 | 4850000  |
| 66.717825060 | 14.024796620  | 0.45  | -1.31 | 3.86  | 0.26   | 0.29   | 0.46    | 4500000 | 4850000  |
| 66.687957760 | 15.145176550  | 0.39  | -1.24 | 5.07  | 0.25   | 0.28   | 0.47    | 4550000 | 4850000  |
| 66.650820110 | 16.262734640  | 0.48  | -1.10 | 5.76  | 0.31   | 0.32   | 0.54    | 4600000 | 4850000  |
| 66.606444590 | 17.376876380  | 0.59  | -0.94 | 6.24  | 0.30   | 0.30   | 0.50    | 4650000 | 4850000  |
| 66.554869680 | 18.487019730  | 0.57  | -0.76 | 6.77  | 0.29   | 0.29   | 0.47    | 4700000 | 4850000  |
| 66.496139790 | 19.592597070  | 0.50  | -0.60 | 7.26  | 0.33   | 0.33   | 0.54    | 4750000 | 4850000  |
| 66.430304950 | 20.693057010  | 0.41  | -0.40 | 7.62  | 0.34   | 0.34   | 0.56    | 4800000 | 4850000  |
| 66.357420680 | 21.787866130  | 0.29  | -0.20 | 7.97  | 0.33   | 0.33   | 0.55    | 4850000 | 4850000  |
| 66.277547700 | 22.876510460  | 0.14  | 0.01  | 8.28  | 0.16   | 0.16   | 0.26    | 4900000 | 4850000  |
| 66.190751670 | 23.958496930  | -0.01 | 0.24  | 8.42  | 0.25   | 0.25   | 0.42    | 4950000 | 4850000  |
| 66.097102940 | 25.033354540  | -0.11 | 0.46  | 8.29  | 0.31   | 0.30   | 0.52    | 5000000 | 4850000  |
| 65.996676240 | 26.100635420  | -0.17 | 0.61  | 7.88  | 0.36   | 0.34   | 0.62    | 5050000 | 4850000  |
| 65.889550410 | 27.159915710  | -0.25 | 0.72  | 7.33  | 0.36   | 0.33   | 0.63    | 5100000 | 4850000  |
| 65.775808050 | 28.210796240  | -0.34 | 0.89  | 6.70  | 0.33   | 0.32   | 0.56    | 5150000 | 4850000  |
| 65.655535240 | 29.252903100  | -0.47 | 0.99  | 6.00  | 0.31   | 0.30   | 0.52    | 5200000 | 4850000  |
| 65.528821250 | 30.285887960  | -0.56 | 0.95  | 5.24  | 0.39   | 0.39   | 0.69    | 5250000 | 4850000  |
| 65.395758160 | 31.309428310  | -0.65 | 0.90  | 4.39  | 0.42   | 0.42   | 0.77    | 5300000 | 4850000  |
| 65.256440610 | 32.323227490  | -0.71 | 0.84  | 3.49  | 0.44   | 0.44   | 0.82    | 5350000 | 4850000  |
| 65.110965460 | 33.327014620  | -0.77 | 0.77  | 2.58  | 0.44   | 0.44   | 0.84    | 5400000 | 4850000  |
| 63.368181660 | -20.368602820 | 1.06  | -1.04 | 1.65  | 0.18   | 0.23   | 0.33    | 2850000 | 4800000  |
| 63.555467360 | -19.459169940 | -0.87 | -2.29 | 7.04  | 0.33   | 0.34   | 0.56    | 2900000 | 4800000  |
| 63.737442060 | -18.538934050 | -1.22 | -1.25 | 14.77 | 0.34   | 0.35   | 0.58    | 2950000 | 4800000  |
| 63.914005590 | -17.607985940 | -4.52 | -1.25 | 20.39 | 0.15   | 0.24   | 0.34    | 3000000 | 4800000  |
| 64.085057960 | -16.666436510 | -1.99 | 3.88  | 24.95 | 0.34   | 0.35   | 0.58    | 3050000 | 4800000  |
| 64.250499600 | -15.714417450 | -2.06 | 6.80  | 15.20 | 0.28   | 0.28   | 0.46    | 3100000 | 4800000  |
| 64.410231620 | -14.752082000 | 0.30  | 5.08  | 7.64  | 0.29   | 0.29   | 0.49    | 3150000 | 4800000  |
| 64.564156010 | -13.779605520 | 1.17  | 2.06  | 2.62  | 0.40   | 0.40   | 0.71    | 3200000 | 4800000  |
| 66.311468230 | 10.641392700  | 0.76  | -1.44 | 0.90  | 0.40   | 0.40   | 0.71    | 4350000 | 4800000  |
| 66.303697880 | 11.746907720  | 0.68  | -1.46 | 1.99  | 0.33   | 0.33   | 0.56    | 4400000 | 4800000  |
| 66.288739470 | 12.851494900  | 0.55  | -1.45 | 3.16  | 0.24   | 0.25   | 0.40    | 4450000 | 4800000  |
| 66.266605720 | 13.954570780  | 0.38  | -1.37 | 4.54  | 0.23   | 0.27   | 0.44    | 4500000 | 4800000  |
| 66.237315390 | 15.055557320  | 0.41  | -1.24 | 5.52  | 0.32   | 0.34   | 0.57    | 4550000 | 4800000  |
| 66.200893190 | 16.153883930  | 0.47  | -1.09 | 6.20  | 0.35   | 0.36   | 0.61    | 4600000 | 4800000  |
| 66.157369680 | 17.248989470  | 0.50  | -0.90 | 6.78  | 0.33   | 0.33   | 0.55    | 4650000 | 4800000  |
| 66.106781130 | 18.340324070  | 0.47  | -0.72 | 7.32  | 0.28   | 0.28   | 0.46    | 4700000 | 4800000  |
| 66.049169360 | 19.427351000  | 0.45  | -0.56 | 7.72  | 0.29   | 0.29   | 0.47    | 4750000 | 4800000  |
| 65.984581550 | 20.509548260  | 0.36  | -0.39 | 7.98  | 0.27   | 0.27   | 0.45    | 4800000 | 4800000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 65.913070040 | 21.586410210  | 0.25  | -0.20 | 8.20  | 0.31   | 0.31   | 0.51    | 4850000 | 4800000  |
| 65.834692150 | 22.657448950  | 0.15  | -0.01 | 8.55  | 0.28   | 0.28   | 0.51    | 4900000 | 4800000  |
| 65.749509860 | 23.722195620  | 0.01  | 0.21  | 8.65  | 0.28   | 0.28   | 0.51    | 4950000 | 4800000  |
| 65.657589640 | 24.780201520  | -0.14 | 0.44  | 8.42  | 0.34   | 0.34   | 0.57    | 5000000 | 4800000  |
| 65.559002140 | 25.831039110  | -0.24 | 0.64  | 7.98  | 0.34   | 0.33   | 0.58    | 5050000 | 4800000  |
| 65.453821960 | 26.874302840  | -0.34 | 0.76  | 7.44  | 0.35   | 0.34   | 0.60    | 5100000 | 4800000  |
| 65.342127300 | 27.909609810  | -0.46 | 0.86  | 6.85  | 0.37   | 0.36   | 0.64    | 5150000 | 4800000  |
| 65.223999750 | 28.936600320  | -0.60 | 0.92  | 6.23  | 0.36   | 0.31   | 0.62    | 5200000 | 4800000  |
| 65.099523940 | 29.954938230  | -0.66 | 0.93  | 5.45  | 0.39   | 0.37   | 0.67    | 5250000 | 4800000  |
| 64.968787320 | 30.964311200  | -0.72 | 0.89  | 4.57  | 0.41   | 0.41   | 0.73    | 5300000 | 4800000  |
| 64.831879790 | 31.964430810  | -0.76 | 0.84  | 3.66  | 0.43   | 0.43   | 0.79    | 5350000 | 4800000  |
| 64.688893470 | 32.955032480  | -0.81 | 0.78  | 2.72  | 0.44   | 0.44   | 0.83    | 5400000 | 4800000  |
| 63.329883770 | -18.113748220 | -2.73 | 1.34  | 13.13 | 0.39   | 0.40   | 0.69    | 2950000 | 4750000  |
| 63.503674850 | -17.192917760 | -4.65 | 3.11  | 19.50 | 0.37   | 0.39   | 0.66    | 3000000 | 4750000  |
| 63.672006600 | -16.261956440 | -4.69 | 5.65  | 22.26 | 0.38   | 0.39   | 0.67    | 3050000 | 4750000  |
| 63.834783750 | -15.320998280 | -3.03 | 5.14  | 14.66 | 0.36   | 0.36   | 0.62    | 3100000 | 4750000  |
| 63.991911760 | -14.370197530 | -0.70 | 3.49  | 7.76  | 0.37   | 0.37   | 0.64    | 3150000 | 4750000  |
| 64.143297020 | -13.409729140 | 0.40  | 2.12  | 3.50  | 0.41   | 0.41   | 0.75    | 3200000 | 4750000  |
| 65.859562900 | 10.630409880  | 0.78  | -1.47 | 1.41  | 0.38   | 0.38   | 0.67    | 4350000 | 4750000  |
| 65.851940360 | 11.717008010  | 0.74  | -1.50 | 2.58  | 0.27   | 0.27   | 0.44    | 4400000 | 4750000  |
| 65.837266220 | 12.802730950  | 0.53  | -1.48 | 3.85  | 0.27   | 0.27   | 0.45    | 4450000 | 4750000  |
| 65.815552480 | 13.887028210  | 0.37  | -1.39 | 5.09  | 0.24   | 0.25   | 0.45    | 4500000 | 4750000  |
| 65.786816800 | 14.969354230  | 0.45  | -1.23 | 5.83  | 0.34   | 0.34   | 0.58    | 4550000 | 4750000  |
| 65.751082470 | 16.049170230  | 0.48  | -1.08 | 6.54  | 0.32   | 0.32   | 0.54    | 4600000 | 4750000  |
| 65.708378290 | 17.125945980  | 0.49  | -0.87 | 7.16  | 0.34   | 0.34   | 0.57    | 4650000 | 4750000  |
| 65.658738470 | 18.199161550  | 0.47  | -0.62 | 7.73  | 0.34   | 0.34   | 0.57    | 4700000 | 4750000  |
| 65.602202440 | 19.268308920  | 0.43  | -0.44 | 8.15  | 0.33   | 0.33   | 0.55    | 4750000 | 4750000  |
| 65.538814730 | 20.332893520  | 0.31  | -0.33 | 8.36  | 0.30   | 0.30   | 0.50    | 4800000 | 4750000  |
| 65.468624750 | 21.392435670  | 0.14  | -0.24 | 8.51  | 0.27   | 0.27   | 0.45    | 4850000 | 4750000  |
| 65.391686630 | 22.446471910  | 0.03  | -0.07 | 8.72  | 0.33   | 0.33   | 0.57    | 4900000 | 4750000  |
| 65.308058950 | 23.494556130  | -0.07 | 0.16  | 8.72  | 0.36   | 0.36   | 0.63    | 4950000 | 4750000  |
| 65.217804570 | 24.536260690  | -0.20 | 0.45  | 8.46  | 0.36   | 0.36   | 0.62    | 5000000 | 4750000  |
| 65.120990340 | 25.571177330  | -0.33 | 0.73  | 8.00  | 0.24   | 0.24   | 0.40    | 5050000 | 4750000  |
| 65.017686880 | 26.598917920  | -0.44 | 0.81  | 7.45  | 0.32   | 0.31   | 0.53    | 5100000 | 4750000  |
| 64.907968310 | 27.619115180  | -0.56 | 0.83  | 6.89  | 0.38   | 0.36   | 0.65    | 5150000 | 4750000  |
| 64.791912000 | 28.631423140  | -0.68 | 0.87  | 6.29  | 0.36   | 0.32   | 0.63    | 5200000 | 4750000  |
| 64.669598280 | 29.635517570  | -0.75 | 0.89  | 5.55  | 0.35   | 0.34   | 0.60    | 5250000 | 4750000  |
| 64.541110190 | 30.631096180  | -0.79 | 0.88  | 4.71  | 0.36   | 0.36   | 0.62    | 5300000 | 4750000  |
| 64.406533210 | 31.617878810  | -0.81 | 0.83  | 3.79  | 0.41   | 0.41   | 0.73    | 5350000 | 4750000  |
| 64.265955000 | 32.595607400  | -0.84 | 0.75  | 2.84  | 0.43   | 0.43   | 0.80    | 5400000 | 4750000  |
| 64.119465110 | 33.564045920  | -0.87 | 0.69  | 1.87  | 0.44   | 0.44   | 0.84    | 5450000 | 4750000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 63.257830130 | -15.870362800 | -4.81 | 5.02  | 19.40 | 0.42   | 0.42   | 0.76    | 3050000 | 4700000  |
| 63.418022670 | -14.940263360 | -3.23 | 4.11  | 14.13 | 0.42   | 0.42   | 0.76    | 3100000 | 4700000  |
| 63.572626180 | -14.000768720 | -1.27 | 2.87  | 8.34  | 0.42   | 0.42   | 0.77    | 3150000 | 4700000  |
| 65.408404660 | 9.551144124   | 0.77  | -1.42 | 0.77  | 0.41   | 0.41   | 0.74    | 4300000 | 4700000  |
| 65.407850470 | 10.619840490  | 0.78  | -1.44 | 1.80  | 0.37   | 0.37   | 0.65    | 4350000 | 4700000  |
| 65.400370080 | 11.688233120  | 0.73  | -1.44 | 3.01  | 0.31   | 0.31   | 0.52    | 4400000 | 4700000  |
| 65.385969360 | 12.755799330  | 0.55  | -1.42 | 4.28  | 0.30   | 0.29   | 0.50    | 4450000 | 4700000  |
| 65.364659610 | 13.822019210  | 0.45  | -1.32 | 5.33  | 0.29   | 0.28   | 0.50    | 4500000 | 4700000  |
| 65.336457500 | 14.886377300  | 0.55  | -1.17 | 6.05  | 0.32   | 0.32   | 0.53    | 4550000 | 4700000  |
| 65.301384990 | 15.948364330  | 0.53  | -1.04 | 6.76  | 0.25   | 0.25   | 0.40    | 4600000 | 4700000  |
| 65.259469270 | 17.0007478830 | 0.48  | -0.83 | 7.42  | 0.31   | 0.31   | 0.52    | 4650000 | 4700000  |
| 65.210742610 | 18.063228670  | 0.49  | -0.54 | 8.09  | 0.30   | 0.30   | 0.50    | 4700000 | 4700000  |
| 65.155242240 | 19.115132620  | 0.44  | -0.33 | 8.59  | 0.25   | 0.25   | 0.40    | 4750000 | 4700000  |
| 65.093010220 | 20.162721690  | 0.25  | -0.31 | 8.78  | 0.32   | 0.32   | 0.53    | 4800000 | 4700000  |
| 65.024093250 | 21.205540520  | 0.01  | -0.27 | 8.87  | 0.22   | 0.21   | 0.35    | 4850000 | 4700000  |
| 64.948542480 | 22.243148530  | -0.09 | -0.18 | 8.86  | 0.33   | 0.33   | 0.56    | 4900000 | 4700000  |
| 64.866413350 | 23.275121050  | -0.17 | 0.11  | 8.74  | 0.39   | 0.39   | 0.67    | 4950000 | 4700000  |
| 64.777765320 | 24.301050300  | -0.27 | 0.43  | 8.43  | 0.39   | 0.39   | 0.68    | 5000000 | 4700000  |
| 64.682661730 | 25.320546270  | -0.37 | 0.68  | 7.92  | 0.36   | 0.36   | 0.61    | 5050000 | 4700000  |
| 64.581169480 | 26.333237480  | -0.49 | 0.79  | 7.37  | 0.36   | 0.35   | 0.62    | 5100000 | 4700000  |
| 64.473358860 | 27.338771580  | -0.63 | 0.80  | 6.77  | 0.37   | 0.33   | 0.64    | 5150000 | 4700000  |
| 64.359303290 | 28.336815840  | -0.73 | 0.82  | 6.18  | 0.36   | 0.34   | 0.63    | 5200000 | 4700000  |
| 64.239079070 | 29.327057610  | -0.81 | 0.86  | 5.53  | 0.30   | 0.29   | 0.50    | 5250000 | 4700000  |
| 64.112765120 | 30.309204510  | -0.82 | 0.85  | 4.78  | 0.27   | 0.27   | 0.46    | 5300000 | 4700000  |
| 63.980442760 | 31.282984620  | -0.81 | 0.79  | 3.90  | 0.39   | 0.39   | 0.69    | 5350000 | 4700000  |
| 63.842195430 | 32.248146540  | -0.82 | 0.72  | 2.94  | 0.42   | 0.42   | 0.78    | 5400000 | 4700000  |
| 63.698108480 | 33.204459310  | -0.87 | 0.65  | 1.93  | 0.44   | 0.43   | 0.83    | 5450000 | 4700000  |
| 63.548268900 | 34.151712290  | -0.91 | 0.58  | 0.95  | 0.44   | 0.44   | 0.85    | 5500000 | 4700000  |
| 64.956867370 | 9.558515245   | 0.72  | -1.39 | 1.11  | 0.39   | 0.39   | 0.69    | 4300000 | 4650000  |
| 64.956323320 | 10.609661770  | 0.74  | -1.38 | 2.07  | 0.32   | 0.32   | 0.57    | 4350000 | 4650000  |
| 64.948979740 | 11.660521200  | 0.71  | -1.35 | 3.27  | 0.29   | 0.29   | 0.52    | 4400000 | 4650000  |
| 64.934842170 | 12.710599460  | 0.56  | -1.37 | 4.55  | 0.31   | 0.31   | 0.53    | 4450000 | 4650000  |
| 64.913921290 | 13.759405010  | 0.54  | -1.30 | 5.49  | 0.22   | 0.21   | 0.36    | 4500000 | 4650000  |
| 64.886232820 | 14.806450360  | 0.61  | -1.11 | 6.23  | 0.29   | 0.29   | 0.48    | 4550000 | 4650000  |
| 64.851797510 | 15.851253660  | 0.56  | -0.97 | 6.84  | 0.26   | 0.26   | 0.43    | 4600000 | 4650000  |
| 64.810641030 | 16.893340160  | 0.40  | -0.83 | 7.49  | 0.26   | 0.26   | 0.42    | 4650000 | 4650000  |
| 64.762793860 | 17.932243670  | 0.45  | -0.61 | 8.31  | 0.31   | 0.31   | 0.51    | 4700000 | 4650000  |
| 64.708291210 | 18.967507920  | 0.43  | -0.47 | 8.87  | 0.25   | 0.25   | 0.42    | 4750000 | 4650000  |
| 64.647172820 | 19.998687850  | 0.20  | -0.36 | 9.09  | 0.33   | 0.33   | 0.55    | 4800000 | 4650000  |
| 64.579482870 | 21.025350840  | -0.04 | -0.41 | 9.13  | 0.27   | 0.27   | 0.44    | 4850000 | 4650000  |
| 64.505269750 | 22.047077790  | -0.19 | -0.34 | 8.94  | 0.30   | 0.30   | 0.51    | 4900000 | 4650000  |



| #Latitude    | Longitude    | N     | E     | Up   | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|------|--------|--------|---------|---------|----------|
| 64.424585940 | 23.063464210 | -0.26 | 0.08  | 8.69 | 0.39   | 0.38   | 0.67    | 4950000 | 4650000  |
| 64.337487790 | 24.074121090 | -0.34 | 0.42  | 8.29 | 0.40   | 0.40   | 0.70    | 5000000 | 4650000  |
| 64.244035290 | 25.078675730 | -0.40 | 0.69  | 7.75 | 0.38   | 0.37   | 0.67    | 5050000 | 4650000  |
| 64.144291920 | 26.076772450 | -0.50 | 0.83  | 7.13 | 0.37   | 0.35   | 0.66    | 5100000 | 4650000  |
| 64.038324370 | 27.068073210 | -0.67 | 0.81  | 6.54 | 0.37   | 0.34   | 0.66    | 5150000 | 4650000  |
| 63.926202360 | 28.052258060 | -0.76 | 0.80  | 5.97 | 0.37   | 0.35   | 0.66    | 5200000 | 4650000  |
| 63.807998390 | 29.029025550 | -0.79 | 0.82  | 5.37 | 0.35   | 0.32   | 0.61    | 5250000 | 4650000  |
| 63.683787540 | 29.998093030 | -0.79 | 0.79  | 4.72 | 0.36   | 0.34   | 0.61    | 5300000 | 4650000  |
| 63.553647180 | 30.959196780 | -0.76 | 0.72  | 3.98 | 0.38   | 0.36   | 0.68    | 5350000 | 4650000  |
| 63.417656820 | 31.912092100 | -0.78 | 0.66  | 3.01 | 0.41   | 0.39   | 0.74    | 5400000 | 4650000  |
| 63.275897810 | 32.856553340 | -0.85 | 0.61  | 1.93 | 0.43   | 0.42   | 0.81    | 5450000 | 4650000  |
| 63.128453160 | 33.792373720 | -0.90 | 0.55  | 0.92 | 0.44   | 0.44   | 0.84    | 5500000 | 4650000  |
| 64.499364510 | 8.531581552  | 0.66  | -1.29 | 0.61 | 0.39   | 0.39   | 0.69    | 4250000 | 4600000  |
| 64.505508150 | 9.565618725  | 0.61  | -1.36 | 1.47 | 0.35   | 0.35   | 0.60    | 4300000 | 4600000  |
| 64.504973870 | 10.599852610 | 0.55  | -1.41 | 2.45 | 0.25   | 0.25   | 0.43    | 4350000 | 4600000  |
| 64.497762050 | 11.633814870 | 0.49  | -1.35 | 3.81 | 0.30   | 0.30   | 0.50    | 4400000 | 4600000  |
| 64.483877930 | 12.667038010 | 0.44  | -1.29 | 5.01 | 0.35   | 0.35   | 0.58    | 4450000 | 4600000  |
| 64.463331590 | 13.699056830 | 0.44  | -1.21 | 5.89 | 0.35   | 0.35   | 0.59    | 4500000 | 4600000  |
| 64.436137910 | 14.729409860 | 0.47  | -1.08 | 6.64 | 0.36   | 0.36   | 0.61    | 4550000 | 4600000  |
| 64.402316480 | 15.757640760 | 0.41  | -0.93 | 7.26 | 0.34   | 0.34   | 0.57    | 4600000 | 4600000  |
| 64.361891580 | 16.783299690 | 0.32  | -0.78 | 7.86 | 0.33   | 0.33   | 0.55    | 4650000 | 4600000  |
| 64.314892040 | 17.805944630 | 0.32  | -0.60 | 8.53 | 0.35   | 0.35   | 0.58    | 4700000 | 4600000  |
| 64.261351140 | 18.825142620 | 0.23  | -0.44 | 9.02 | 0.33   | 0.33   | 0.55    | 4750000 | 4600000  |
| 64.201306500 | 19.840470970 | 0.06  | -0.32 | 9.24 | 0.33   | 0.33   | 0.55    | 4800000 | 4600000  |
| 64.134799930 | 20.851518370 | -0.10 | -0.26 | 9.22 | 0.26   | 0.26   | 0.43    | 4850000 | 4600000  |
| 64.061877280 | 21.857885930 | -0.26 | -0.15 | 8.94 | 0.33   | 0.33   | 0.56    | 4900000 | 4600000  |
| 63.982588260 | 22.859188130 | -0.37 | 0.15  | 8.56 | 0.38   | 0.37   | 0.66    | 4950000 | 4600000  |
| 63.896986280 | 23.855053700 | -0.43 | 0.44  | 8.08 | 0.39   | 0.38   | 0.69    | 5000000 | 4600000  |
| 63.805128250 | 24.845126330 | -0.46 | 0.71  | 7.45 | 0.36   | 0.34   | 0.65    | 5050000 | 4600000  |
| 63.707074410 | 25.829065410 | -0.54 | 0.87  | 6.73 | 0.34   | 0.30   | 0.61    | 5100000 | 4600000  |
| 63.602888100 | 26.806546570 | -0.71 | 0.81  | 6.10 | 0.38   | 0.35   | 0.66    | 5150000 | 4600000  |
| 63.492635570 | 27.777262140 | -0.80 | 0.80  | 5.62 | 0.38   | 0.36   | 0.67    | 5200000 | 4600000  |
| 63.376385770 | 28.740921550 | -0.80 | 0.80  | 5.07 | 0.37   | 0.32   | 0.65    | 5250000 | 4600000  |
| 63.254210120 | 29.697251620 | -0.78 | 0.75  | 4.48 | 0.37   | 0.34   | 0.65    | 5300000 | 4600000  |
| 63.126182340 | 30.645996740 | -0.72 | 0.66  | 3.86 | 0.36   | 0.31   | 0.64    | 5350000 | 4600000  |
| 62.992378170 | 31.586918960 | -0.75 | 0.61  | 2.93 | 0.38   | 0.34   | 0.69    | 5400000 | 4600000  |
| 62.852875220 | 32.519798040 | -0.84 | 0.58  | 1.82 | 0.42   | 0.41   | 0.78    | 5450000 | 4600000  |
| 62.707752740 | 33.444431350 | -0.89 | 0.52  | 0.82 | 0.44   | 0.44   | 0.83    | 5500000 | 4600000  |
| 64.035692390 | 7.537621325  | 0.60  | -1.20 | 0.37 | 0.36   | 0.36   | 0.65    | 4200000 | 4550000  |
| 64.048283970 | 8.554730408  | 0.66  | -1.17 | 0.96 | 0.28   | 0.29   | 0.53    | 4250000 | 4550000  |
| 64.054319430 | 9.572468764  | 0.47  | -1.33 | 2.01 | 0.28   | 0.28   | 0.49    | 4300000 | 4550000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 64.053794560 | 10.590393420 | 0.37  | -1.40 | 3.19  | 0.27   | 0.27   | 0.45    | 4350000 | 4550000  |
| 64.046709710 | 11.608060820 | 0.26  | -1.30 | 4.59  | 0.27   | 0.28   | 0.46    | 4400000 | 4550000  |
| 64.033069850 | 12.625028220 | 0.26  | -1.18 | 5.56  | 0.36   | 0.36   | 0.60    | 4450000 | 4550000  |
| 64.012884510 | 13.640854940 | 0.29  | -1.13 | 6.39  | 0.38   | 0.38   | 0.64    | 4500000 | 4550000  |
| 63.986167750 | 14.655103730 | 0.32  | -1.05 | 7.16  | 0.36   | 0.36   | 0.62    | 4550000 | 4550000  |
| 63.952938120 | 15.667342010 | 0.30  | -0.90 | 7.77  | 0.37   | 0.37   | 0.63    | 4600000 | 4550000  |
| 63.913218590 | 16.677143170 | 0.23  | -0.71 | 8.28  | 0.39   | 0.38   | 0.66    | 4650000 | 4550000  |
| 63.867036440 | 17.684087740 | 0.15  | -0.50 | 8.74  | 0.38   | 0.38   | 0.65    | 4700000 | 4550000  |
| 63.814423180 | 18.687764560 | 0.00  | -0.31 | 9.10  | 0.34   | 0.34   | 0.57    | 4750000 | 4550000  |
| 63.755414450 | 19.687771890 | -0.19 | -0.20 | 9.23  | 0.25   | 0.25   | 0.42    | 4800000 | 4550000  |
| 63.690049850 | 20.683718410 | -0.28 | -0.07 | 9.10  | 0.24   | 0.24   | 0.40    | 4850000 | 4550000  |
| 63.618372840 | 21.675224210 | -0.39 | 0.07  | 8.78  | 0.33   | 0.33   | 0.57    | 4900000 | 4550000  |
| 63.540430560 | 22.661921660 | -0.49 | 0.25  | 8.33  | 0.35   | 0.33   | 0.61    | 4950000 | 4550000  |
| 63.456273680 | 23.643456230 | -0.53 | 0.47  | 7.77  | 0.36   | 0.35   | 0.64    | 5000000 | 4550000  |
| 63.365956220 | 24.619487170 | -0.62 | 0.63  | 7.00  | 0.35   | 0.34   | 0.62    | 5050000 | 4550000  |
| 63.269535380 | 25.589688190 | -0.77 | 0.70  | 6.11  | 0.34   | 0.33   | 0.58    | 5100000 | 4550000  |
| 63.167071370 | 26.553747990 | -0.86 | 0.73  | 5.62  | 0.35   | 0.33   | 0.61    | 5150000 | 4550000  |
| 63.058627180 | 27.511370700 | -0.88 | 0.77  | 5.24  | 0.37   | 0.34   | 0.66    | 5200000 | 4550000  |
| 62.944268410 | 28.462276280 | -0.86 | 0.77  | 4.68  | 0.39   | 0.37   | 0.68    | 5250000 | 4550000  |
| 62.824063070 | 29.406200780 | -0.83 | 0.74  | 4.02  | 0.36   | 0.35   | 0.62    | 5300000 | 4550000  |
| 62.698081410 | 30.342896560 | -0.81 | 0.68  | 3.29  | 0.32   | 0.31   | 0.54    | 5350000 | 4550000  |
| 62.566395640 | 31.272132420 | -0.82 | 0.62  | 2.49  | 0.38   | 0.36   | 0.66    | 5400000 | 4550000  |
| 62.429079840 | 32.193693590 | -0.86 | 0.57  | 1.56  | 0.42   | 0.41   | 0.77    | 5450000 | 4550000  |
| 62.286209680 | 33.107381780 | -0.89 | 0.50  | 0.64  | 0.44   | 0.44   | 0.83    | 5500000 | 4550000  |
| 62.530065220 | -8.042930322 | 0.01  | -0.01 | -0.76 | 0.45   | 0.45   | 0.88    | 3400000 | 4500000  |
| 62.641664170 | -7.103394650 | 0.01  | -0.01 | -0.74 | 0.45   | 0.45   | 0.88    | 3450000 | 4500000  |
| 62.747419130 | -6.157502502 | 0.01  | -0.01 | -0.72 | 0.45   | 0.45   | 0.88    | 3500000 | 4500000  |
| 63.566179700 | 6.575254007  | 0.46  | -1.19 | 0.27  | 0.37   | 0.37   | 0.67    | 4150000 | 4500000  |
| 63.584988420 | 7.575653542  | 0.38  | -1.24 | 1.04  | 0.26   | 0.27   | 0.51    | 4200000 | 4500000  |
| 63.597362520 | 8.577067797  | 0.44  | -1.22 | 1.73  | 0.26   | 0.27   | 0.48    | 4250000 | 4500000  |
| 63.603293670 | 9.579078573  | 0.37  | -1.35 | 2.79  | 0.26   | 0.27   | 0.47    | 4300000 | 4500000  |
| 63.602777870 | 10.581265940 | 0.32  | -1.37 | 3.97  | 0.28   | 0.28   | 0.48    | 4350000 | 4500000  |
| 63.595815470 | 11.583209460 | 0.17  | -1.10 | 5.07  | 0.31   | 0.31   | 0.51    | 4400000 | 4500000  |
| 63.582411160 | 12.584489400 | 0.08  | -0.96 | 5.97  | 0.33   | 0.33   | 0.54    | 4450000 | 4500000  |
| 63.562573960 | 13.584687950 | 0.13  | -1.04 | 6.75  | 0.35   | 0.35   | 0.58    | 4500000 | 4500000  |
| 63.536317190 | 14.583390420 | 0.21  | -1.04 | 7.58  | 0.25   | 0.25   | 0.40    | 4550000 | 4500000  |
| 63.503658410 | 15.580186420 | 0.20  | -0.88 | 8.11  | 0.33   | 0.33   | 0.55    | 4600000 | 4500000  |
| 63.464619380 | 16.574671000 | 0.13  | -0.66 | 8.49  | 0.38   | 0.38   | 0.65    | 4650000 | 4500000  |
| 63.419225930 | 17.566445790 | 0.05  | -0.38 | 8.82  | 0.36   | 0.36   | 0.62    | 4700000 | 4500000  |
| 63.367507940 | 18.555120020 | -0.09 | -0.09 | 9.08  | 0.27   | 0.26   | 0.49    | 4750000 | 4500000  |
| 63.309499170 | 19.540311560 | -0.31 | -0.03 | 9.09  | 0.29   | 0.28   | 0.49    | 4800000 | 4500000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 63.245237190 | 20.521647880 | -0.43 | 0.05  | 8.86  | 0.33   | 0.33   | 0.55    | 4850000 | 4500000  |
| 63.174763200 | 21.498766900 | -0.52 | 0.21  | 8.48  | 0.29   | 0.29   | 0.47    | 4900000 | 4500000  |
| 63.098121950 | 22.471317870 | -0.60 | 0.37  | 8.07  | 0.32   | 0.32   | 0.54    | 4950000 | 4500000  |
| 63.015361550 | 23.438962070 | -0.65 | 0.53  | 7.49  | 0.35   | 0.33   | 0.61    | 5000000 | 4500000  |
| 62.926533300 | 24.401373530 | -0.75 | 0.62  | 6.69  | 0.33   | 0.32   | 0.58    | 5050000 | 4500000  |
| 62.831691590 | 25.358239560 | -0.97 | 0.59  | 5.73  | 0.25   | 0.25   | 0.41    | 5100000 | 4500000  |
| 62.730893640 | 26.309261360 | -0.99 | 0.66  | 5.23  | 0.31   | 0.30   | 0.52    | 5150000 | 4500000  |
| 62.624199410 | 27.254154380 | -0.94 | 0.74  | 4.87  | 0.37   | 0.35   | 0.64    | 5200000 | 4500000  |
| 62.511671350 | 28.192648740 | -0.91 | 0.75  | 4.30  | 0.37   | 0.35   | 0.65    | 5250000 | 4500000  |
| 62.393374260 | 29.124489480 | -0.89 | 0.70  | 3.60  | 0.35   | 0.34   | 0.59    | 5300000 | 4500000  |
| 62.269375100 | 30.049436790 | -0.89 | 0.67  | 2.80  | 0.23   | 0.23   | 0.37    | 5350000 | 4500000  |
| 62.139742780 | 30.967266130 | -0.88 | 0.61  | 2.10  | 0.37   | 0.37   | 0.64    | 5400000 | 4500000  |
| 62.004548020 | 31.877768290 | -0.87 | 0.55  | 1.27  | 0.42   | 0.42   | 0.76    | 5450000 | 4500000  |
| 61.863863110 | 32.780749420 | -0.89 | 0.48  | 0.43  | 0.44   | 0.44   | 0.82    | 5500000 | 4500000  |
| 61.981181100 | -8.704918319 | 0.01  | -0.01 | -0.77 | 0.45   | 0.45   | 0.88    | 3350000 | 4450000  |
| 62.096722660 | -7.783818110 | 0.01  | -0.01 | -0.75 | 0.45   | 0.45   | 0.88    | 3400000 | 4450000  |
| 62.206560980 | -6.856410874 | 0.01  | -0.01 | -0.73 | 0.45   | 0.45   | 0.88    | 3450000 | 4450000  |
| 62.310634640 | -5.922945078 | 0.01  | -0.01 | -0.71 | 0.45   | 0.45   | 0.88    | 3500000 | 4450000  |
| 63.091134480 | 5.643140223  | 0.50  | -1.09 | 0.04  | 0.38   | 0.38   | 0.68    | 4100000 | 4450000  |
| 63.115938490 | 6.627079644  | 0.35  | -1.18 | 0.77  | 0.31   | 0.31   | 0.57    | 4150000 | 4450000  |
| 63.134428600 | 7.612376043  | 0.20  | -1.25 | 1.54  | 0.27   | 0.27   | 0.50    | 4200000 | 4450000  |
| 63.146592860 | 8.598635263  | 0.21  | -1.26 | 2.43  | 0.25   | 0.26   | 0.48    | 4250000 | 4450000  |
| 63.152423350 | 9.585460457  | 0.31  | -1.33 | 3.40  | 0.29   | 0.29   | 0.51    | 4300000 | 4450000  |
| 63.151916310 | 10.572453200 | 0.30  | -1.31 | 4.38  | 0.28   | 0.27   | 0.46    | 4350000 | 4450000  |
| 63.145072050 | 11.559214580 | 0.11  | -0.98 | 5.33  | 0.29   | 0.28   | 0.47    | 4400000 | 4450000  |
| 63.131895020 | 12.545346360 | -0.02 | -0.86 | 6.14  | 0.29   | 0.29   | 0.49    | 4450000 | 4450000  |
| 63.112393770 | 13.530452050 | -0.03 | -1.04 | 6.84  | 0.28   | 0.28   | 0.46    | 4500000 | 4450000  |
| 63.086580920 | 14.514138010 | 0.01  | -1.03 | 7.58  | 0.28   | 0.28   | 0.46    | 4550000 | 4450000  |
| 63.054473120 | 15.496014570 | 0.05  | -0.86 | 8.15  | 0.35   | 0.35   | 0.59    | 4600000 | 4450000  |
| 63.016090970 | 16.475697050 | 0.02  | -0.63 | 8.51  | 0.38   | 0.38   | 0.64    | 4650000 | 4450000  |
| 62.971458990 | 17.452806790 | -0.02 | -0.35 | 8.67  | 0.30   | 0.30   | 0.50    | 4700000 | 4450000  |
| 62.920605500 | 18.426972120 | -0.14 | -0.10 | 8.79  | 0.28   | 0.27   | 0.47    | 4750000 | 4450000  |
| 62.863562530 | 19.397829330 | -0.34 | 0.02  | 8.80  | 0.36   | 0.36   | 0.62    | 4800000 | 4450000  |
| 62.800365730 | 20.365023510 | -0.50 | 0.12  | 8.53  | 0.37   | 0.37   | 0.63    | 4850000 | 4450000  |
| 62.731054220 | 21.328209390 | -0.61 | 0.26  | 8.13  | 0.31   | 0.31   | 0.52    | 4900000 | 4450000  |
| 62.655670490 | 22.287052120 | -0.70 | 0.45  | 7.70  | 0.33   | 0.33   | 0.56    | 4950000 | 4450000  |
| 62.574260240 | 23.241227960 | -0.76 | 0.63  | 7.16  | 0.35   | 0.34   | 0.61    | 5000000 | 4450000  |
| 62.486872270 | 24.190424890 | -0.84 | 0.74  | 6.49  | 0.34   | 0.33   | 0.60    | 5050000 | 4450000  |
| 62.393558260 | 25.134343240 | -0.92 | 0.70  | 5.80  | 0.33   | 0.32   | 0.57    | 5100000 | 4450000  |
| 62.294372700 | 26.072696090 | -0.95 | 0.71  | 5.19  | 0.34   | 0.33   | 0.59    | 5150000 | 4450000  |
| 62.189372660 | 27.005209790 | -0.92 | 0.74  | 4.61  | 0.36   | 0.34   | 0.61    | 5200000 | 4450000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 62.078617640 | 27.931624240 | -0.91 | 0.73  | 4.02  | 0.35   | 0.33   | 0.61    | 5250000 | 4450000  |
| 61.962169410 | 28.851693200 | -0.90 | 0.65  | 3.35  | 0.33   | 0.28   | 0.59    | 5300000 | 4450000  |
| 61.840091830 | 29.765184510 | -0.92 | 0.61  | 2.59  | 0.36   | 0.35   | 0.62    | 5350000 | 4450000  |
| 61.712450690 | 30.671880240 | -0.90 | 0.58  | 1.80  | 0.40   | 0.39   | 0.70    | 5400000 | 4450000  |
| 61.579313540 | 31.571576730 | -0.89 | 0.52  | 1.01  | 0.42   | 0.42   | 0.77    | 5450000 | 4450000  |
| 61.549192370 | -8.442452411 | 0.02  | -0.01 | -0.76 | 0.45   | 0.45   | 0.88    | 3350000 | 4400000  |
| 61.662953600 | -7.532868594 | 0.02  | -0.01 | -0.75 | 0.45   | 0.45   | 0.88    | 3400000 | 4400000  |
| 61.771086180 | -6.617266632 | 0.02  | -0.01 | -0.73 | 0.45   | 0.45   | 0.88    | 3450000 | 4400000  |
| 61.873531540 | -5.695886383 | 0.02  | -0.01 | -0.71 | 0.45   | 0.45   | 0.88    | 3500000 | 4400000  |
| 62.610845250 | 4.739984393  | 0.43  | -0.99 | -0.17 | 0.38   | 0.38   | 0.68    | 4050000 | 4400000  |
| 62.641431540 | 5.707738382  | 0.49  | -1.04 | 0.50  | 0.31   | 0.31   | 0.54    | 4100000 | 4400000  |
| 62.665823530 | 6.677152126  | 0.42  | -1.10 | 1.19  | 0.27   | 0.27   | 0.47    | 4150000 | 4400000  |
| 62.684006020 | 7.647854660  | 0.23  | -1.16 | 1.81  | 0.24   | 0.25   | 0.46    | 4200000 | 4400000  |
| 62.695967670 | 8.619471549  | 0.24  | -1.20 | 2.60  | 0.29   | 0.29   | 0.51    | 4250000 | 4400000  |
| 62.701701000 | 9.591625893  | 0.28  | -1.24 | 3.57  | 0.34   | 0.35   | 0.58    | 4300000 | 4400000  |
| 62.701202410 | 10.563939330 | 0.21  | -1.21 | 4.54  | 0.35   | 0.36   | 0.60    | 4350000 | 4400000  |
| 62.694472200 | 11.536033090 | 0.13  | -1.08 | 5.38  | 0.35   | 0.35   | 0.59    | 4400000 | 4400000  |
| 62.681514610 | 12.507528950 | 0.07  | -1.02 | 6.11  | 0.34   | 0.34   | 0.56    | 4450000 | 4400000  |
| 62.662337740 | 13.478050360 | 0.03  | -1.04 | 6.79  | 0.28   | 0.28   | 0.46    | 4500000 | 4400000  |
| 62.636953550 | 14.447223370 | -0.02 | -0.98 | 7.48  | 0.32   | 0.32   | 0.53    | 4550000 | 4400000  |
| 62.605377830 | 15.414677660 | -0.06 | -0.82 | 8.02  | 0.37   | 0.37   | 0.62    | 4600000 | 4400000  |
| 62.567630130 | 16.380047500 | -0.09 | -0.63 | 8.42  | 0.37   | 0.37   | 0.63    | 4650000 | 4400000  |
| 62.523733720 | 17.342972700 | -0.15 | -0.44 | 8.64  | 0.30   | 0.30   | 0.50    | 4700000 | 4400000  |
| 62.473715470 | 18.303099520 | -0.26 | -0.22 | 8.67  | 0.31   | 0.31   | 0.52    | 4750000 | 4400000  |
| 62.417605800 | 19.260081500 | -0.42 | -0.03 | 8.50  | 0.38   | 0.38   | 0.66    | 4800000 | 4400000  |
| 62.355438560 | 20.213580330 | -0.57 | 0.13  | 8.15  | 0.39   | 0.38   | 0.67    | 4850000 | 4400000  |
| 62.287250910 | 21.163266560 | -0.71 | 0.25  | 7.64  | 0.32   | 0.30   | 0.58    | 4900000 | 4400000  |
| 62.213083240 | 22.108820350 | -0.77 | 0.46  | 7.20  | 0.35   | 0.34   | 0.61    | 4950000 | 4400000  |
| 62.132979000 | 23.049932120 | -0.82 | 0.68  | 6.71  | 0.35   | 0.34   | 0.62    | 5000000 | 4400000  |
| 62.046984610 | 23.986303120 | -0.88 | 0.79  | 6.24  | 0.32   | 0.31   | 0.56    | 5050000 | 4400000  |
| 61.955149250 | 24.917646010 | -0.90 | 0.75  | 5.67  | 0.33   | 0.32   | 0.58    | 5100000 | 4400000  |
| 61.857524810 | 25.843685260 | -0.89 | 0.74  | 5.01  | 0.35   | 0.34   | 0.60    | 5150000 | 4400000  |
| 61.754165650 | 26.764157630 | -0.85 | 0.76  | 4.41  | 0.29   | 0.29   | 0.49    | 5200000 | 4400000  |
| 61.645128500 | 27.678812470 | -0.87 | 0.70  | 3.79  | 0.30   | 0.30   | 0.51    | 5250000 | 4400000  |
| 61.530472260 | 28.587412000 | -0.93 | 0.59  | 3.10  | 0.34   | 0.31   | 0.60    | 5300000 | 4400000  |
| 61.410257890 | 29.489731520 | -0.94 | 0.54  | 2.35  | 0.36   | 0.34   | 0.64    | 5350000 | 4400000  |
| 61.284548220 | 30.385559590 | -0.92 | 0.55  | 1.53  | 0.39   | 0.39   | 0.69    | 5400000 | 4400000  |
| 61.153407790 | 31.274698090 | -0.88 | 0.51  | 0.78  | 0.42   | 0.42   | 0.75    | 5450000 | 4400000  |
| 61.228777180 | -7.289715813 | 0.03  | -0.02 | -0.75 | 0.45   | 0.45   | 0.88    | 3400000 | 4350000  |
| 61.335256550 | -6.385606820 | 0.04  | -0.02 | -0.73 | 0.45   | 0.45   | 0.87    | 3450000 | 4350000  |
| 61.436124270 | -5.475983422 | 0.04  | -0.02 | -0.70 | 0.45   | 0.45   | 0.87    | 3500000 | 4350000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 62.125582132 | 3.864536481  | 0.35  | -0.91 | -0.35 | 0.40   | 0.40   | 0.72    | 4000000 | 4350000  |
| 62.161746430 | 4.816400009  | 0.24  | -0.98 | 0.30  | 0.31   | 0.31   | 0.57    | 4050000 | 4350000  |
| 62.191834530 | 5.770190069  | 0.36  | -1.03 | 1.02  | 0.26   | 0.26   | 0.46    | 4100000 | 4350000  |
| 62.215828450 | 6.725557954  | 0.54  | -1.09 | 1.88  | 0.24   | 0.24   | 0.39    | 4150000 | 4350000  |
| 62.233713760 | 7.682150872  | 0.38  | -1.08 | 2.13  | 0.26   | 0.26   | 0.44    | 4200000 | 4350000  |
| 62.245479700 | 8.639612837  | 0.38  | -1.09 | 2.64  | 0.24   | 0.24   | 0.40    | 4250000 | 4350000  |
| 62.251119160 | 9.597585597  | 0.31  | -1.17 | 3.69  | 0.30   | 0.31   | 0.51    | 4300000 | 4350000  |
| 62.250628730 | 10.555709560 | 0.14  | -1.21 | 4.79  | 0.30   | 0.31   | 0.51    | 4350000 | 4350000  |
| 62.244008710 | 11.513624730 | 0.11  | -1.14 | 5.48  | 0.33   | 0.33   | 0.55    | 4400000 | 4350000  |
| 62.231263090 | 12.470971680 | 0.14  | -1.07 | 6.06  | 0.27   | 0.27   | 0.45    | 4450000 | 4350000  |
| 62.212399590 | 13.427392440 | 0.11  | -1.02 | 6.73  | 0.27   | 0.28   | 0.46    | 4500000 | 4350000  |
| 62.187429540 | 14.382531480 | -0.04 | -0.92 | 7.43  | 0.27   | 0.27   | 0.44    | 4550000 | 4350000  |
| 62.156367940 | 15.336036610 | -0.13 | -0.77 | 7.93  | 0.32   | 0.32   | 0.54    | 4600000 | 4350000  |
| 62.119233360 | 16.287559860 | -0.19 | -0.62 | 8.26  | 0.37   | 0.37   | 0.63    | 4650000 | 4350000  |
| 62.076047880 | 17.236758340 | -0.28 | -0.48 | 8.51  | 0.30   | 0.30   | 0.50    | 4700000 | 4350000  |
| 62.026837040 | 18.183295120 | -0.38 | -0.27 | 8.46  | 0.33   | 0.33   | 0.55    | 4750000 | 4350000  |
| 61.843357520 | 21.003671260 | -0.74 | 0.30  | 7.26  | 0.37   | 0.36   | 0.64    | 4900000 | 4350000  |
| 61.770366390 | 21.936337490 | -0.81 | 0.47  | 6.78  | 0.36   | 0.36   | 0.62    | 4950000 | 4350000  |
| 61.691526050 | 22.864772700 | -0.86 | 0.63  | 6.29  | 0.36   | 0.36   | 0.62    | 5000000 | 4350000  |
| 61.606880670 | 23.788690740 | -0.91 | 0.72  | 5.87  | 0.29   | 0.28   | 0.50    | 5050000 | 4350000  |
| 61.516477110 | 24.707816000 | -0.91 | 0.70  | 5.26  | 0.30   | 0.30   | 0.53    | 5100000 | 4350000  |
| 61.420364780 | 25.621883840 | -0.88 | 0.65  | 4.53  | 0.35   | 0.34   | 0.60    | 5150000 | 4350000  |
| 61.318595520 | 26.530640990 | -0.86 | 0.69  | 3.97  | 0.33   | 0.32   | 0.55    | 5200000 | 4350000  |
| 61.211223430 | 27.433845880 | -0.90 | 0.67  | 3.41  | 0.32   | 0.32   | 0.54    | 5250000 | 4350000  |
| 61.098304730 | 28.331268910 | -0.96 | 0.57  | 2.78  | 0.33   | 0.31   | 0.58    | 5300000 | 4350000  |
| 60.979897620 | 29.222692670 | -0.95 | 0.52  | 2.02  | 0.33   | 0.31   | 0.57    | 5350000 | 4350000  |
| 60.856062130 | 30.107912090 | -0.89 | 0.54  | 1.23  | 0.34   | 0.33   | 0.57    | 5400000 | 4350000  |
| 61.677144477 | 3.951877000  | 0.23  | -0.90 | 0.06  | 0.38   | 0.38   | 0.69    | 4000000 | 4300000  |
| 61.712731220 | 4.890321547  | 0.08  | -0.91 | 0.80  | 0.24   | 0.24   | 0.49    | 4050000 | 4300000  |
| 61.742337710 | 5.830599220  | 0.16  | -0.99 | 1.46  | 0.30   | 0.30   | 0.53    | 4100000 | 4300000  |
| 61.765946830 | 6.772378014  | 0.35  | -1.05 | 2.18  | 0.30   | 0.30   | 0.51    | 4150000 | 4300000  |
| 61.783544890 | 7.715322160  | 0.31  | -1.05 | 2.56  | 0.34   | 0.34   | 0.57    | 4200000 | 4300000  |
| 61.795121660 | 8.659092951  | 0.27  | -1.06 | 3.07  | 0.31   | 0.31   | 0.52    | 4250000 | 4300000  |
| 61.800670400 | 9.603349587  | 0.17  | -1.10 | 3.98  | 0.28   | 0.27   | 0.47    | 4300000 | 4300000  |
| 61.800187860 | 10.547750040 | 0.01  | -1.17 | 4.94  | 0.29   | 0.29   | 0.49    | 4350000 | 4300000  |
| 61.793674330 | 11.491951900 | 0.06  | -1.16 | 5.58  | 0.31   | 0.30   | 0.50    | 4400000 | 4300000  |
| 61.781133600 | 12.435613280 | 0.17  | -1.10 | 6.06  | 0.28   | 0.28   | 0.46    | 4450000 | 4300000  |
| 61.762572990 | 13.378393670 | 0.09  | -1.01 | 6.68  | 0.33   | 0.33   | 0.54    | 4500000 | 4300000  |
| 61.738003290 | 14.319954760 | -0.06 | -0.87 | 7.29  | 0.30   | 0.30   | 0.50    | 4550000 | 4300000  |
| 61.707438730 | 15.259961330 | -0.18 | -0.71 | 7.71  | 0.34   | 0.34   | 0.57    | 4600000 | 4300000  |
| 61.670896950 | 16.198082070 | -0.26 | -0.56 | 7.97  | 0.38   | 0.38   | 0.65    | 4650000 | 4300000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 61.628398940 | 17.133990330 | -0.36 | -0.41 | 8.09  | 0.38   | 0.38   | 0.65    | 4700000 | 4300000  |
| 61.579968980 | 18.067364970 | -0.46 | -0.22 | 8.01  | 0.39   | 0.39   | 0.67    | 4750000 | 4300000  |
| 61.399377610 | 20.849172900 | -0.78 | 0.33  | 6.79  | 0.33   | 0.33   | 0.56    | 4900000 | 4300000  |
| 61.327525300 | 21.769335980 | -0.85 | 0.47  | 6.22  | 0.26   | 0.25   | 0.42    | 4950000 | 4300000  |
| 61.249908650 | 22.685466230 | -0.88 | 0.59  | 5.75  | 0.35   | 0.35   | 0.60    | 5000000 | 4300000  |
| 61.166569720 | 23.597289440 | -0.91 | 0.64  | 5.20  | 0.34   | 0.33   | 0.58    | 5050000 | 4300000  |
| 61.077553160 | 24.504541170 | -0.91 | 0.61  | 4.61  | 0.34   | 0.33   | 0.59    | 5100000 | 4300000  |
| 60.982906100 | 25.406967160 | -0.89 | 0.50  | 3.89  | 0.28   | 0.25   | 0.54    | 5150000 | 4300000  |
| 60.882677960 | 26.304323710 | -0.94 | 0.60  | 3.41  | 0.34   | 0.33   | 0.59    | 5200000 | 4300000  |
| 60.776920370 | 27.196377990 | -0.96 | 0.65  | 2.96  | 0.30   | 0.30   | 0.51    | 5250000 | 4300000  |
| 60.665687010 | 28.082908310 | -0.95 | 0.60  | 2.39  | 0.30   | 0.30   | 0.50    | 5300000 | 4300000  |
| 60.549033500 | 28.963704320 | -0.89 | 0.55  | 1.69  | 0.33   | 0.32   | 0.54    | 5350000 | 4300000  |
| 60.427017210 | 29.838567220 | -0.84 | 0.55  | 0.99  | 0.21   | 0.21   | 0.35    | 5400000 | 4300000  |
| 60.820742420 | -2.367346620 | 0.13  | -0.02 | -0.55 | 0.42   | 0.42   | 0.77    | 3650000 | 4250000  |
| 60.896267310 | -1.462531529 | 0.13  | -0.01 | -0.51 | 0.41   | 0.41   | 0.75    | 3700000 | 4250000  |
| 60.966104140 | -0.553912798 | 0.10  | -0.01 | -0.46 | 0.42   | 0.42   | 0.77    | 3750000 | 4250000  |
| 61.228766550 | 4.036417437  | 0.17  | -0.90 | 0.38  | 0.38   | 0.38   | 0.68    | 4000000 | 4250000  |
| 61.263794610 | 4.961867512  | 0.03  | -0.92 | 1.08  | 0.31   | 0.30   | 0.55    | 4050000 | 4250000  |
| 61.292935250 | 5.889063151  | -0.01 | -0.95 | 1.74  | 0.27   | 0.23   | 0.48    | 4100000 | 4250000  |
| 61.316172210 | 6.817688024  | 0.07  | -0.97 | 2.25  | 0.35   | 0.34   | 0.59    | 4150000 | 4250000  |
| 61.333492480 | 7.747422328  | 0.08  | -1.00 | 2.78  | 0.36   | 0.36   | 0.62    | 4200000 | 4250000  |
| 61.344886320 | 8.677943548  | 0.00  | -1.04 | 3.39  | 0.32   | 0.31   | 0.55    | 4250000 | 4250000  |
| 61.350347330 | 9.608927238  | -0.08 | -1.06 | 4.19  | 0.28   | 0.27   | 0.49    | 4300000 | 4250000  |
| 61.349872420 | 10.540047820 | -0.12 | -1.10 | 4.97  | 0.29   | 0.27   | 0.49    | 4350000 | 4250000  |
| 61.343461870 | 11.470979370 | -0.03 | -1.11 | 5.55  | 0.28   | 0.28   | 0.47    | 4400000 | 4250000  |
| 61.331119280 | 12.401396450 | 0.15  | -1.12 | 6.00  | 0.23   | 0.24   | 0.40    | 4450000 | 4250000  |
| 61.312851600 | 13.330974860 | 0.03  | -0.97 | 6.57  | 0.30   | 0.30   | 0.50    | 4500000 | 4250000  |
| 61.288669090 | 14.259392460 | -0.07 | -0.81 | 7.08  | 0.23   | 0.24   | 0.39    | 4550000 | 4250000  |
| 61.258585280 | 15.186329970 | -0.21 | -0.65 | 7.40  | 0.35   | 0.35   | 0.58    | 4600000 | 4250000  |
| 61.222616960 | 16.111471670 | -0.33 | -0.49 | 7.57  | 0.38   | 0.38   | 0.64    | 4650000 | 4250000  |
| 61.180784080 | 17.034506200 | -0.42 | -0.33 | 7.61  | 0.37   | 0.37   | 0.63    | 4700000 | 4250000  |
| 61.133109720 | 17.955127240 | -0.52 | -0.18 | 7.48  | 0.37   | 0.38   | 0.65    | 4750000 | 4250000  |
| 61.020344140 | 19.787932960 | -0.73 | 0.18  | 6.90  | 0.39   | 0.39   | 0.67    | 4850000 | 4250000  |
| 60.955314050 | 20.699536250 | -0.82 | 0.35  | 6.38  | 0.35   | 0.35   | 0.58    | 4900000 | 4250000  |
| 60.884564560 | 21.607564520 | -0.88 | 0.48  | 5.80  | 0.31   | 0.31   | 0.51    | 4950000 | 4250000  |
| 60.808133200 | 22.511746270 | -0.89 | 0.57  | 5.25  | 0.32   | 0.32   | 0.54    | 5000000 | 4250000  |
| 60.726060040 | 23.411818650 | -0.90 | 0.59  | 4.61  | 0.30   | 0.28   | 0.53    | 5050000 | 4250000  |
| 60.638387680 | 24.307527830 | -0.94 | 0.58  | 4.06  | 0.32   | 0.31   | 0.56    | 5100000 | 4250000  |
| 60.545161040 | 25.198629460 | -0.97 | 0.55  | 3.50  | 0.32   | 0.31   | 0.57    | 5150000 | 4250000  |
| 60.446427310 | 26.084889010 | -1.01 | 0.59  | 3.00  | 0.31   | 0.29   | 0.57    | 5200000 | 4250000  |
| 60.342235780 | 26.966082040 | -0.95 | 0.59  | 2.56  | 0.31   | 0.30   | 0.53    | 5250000 | 4250000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 60.232637740 | 27.841994510 | -0.89 | 0.55  | 2.05  | 0.32   | 0.32   | 0.53    | 5300000 | 4250000  |
| 60.117686340 | 28.712422940 | -0.81 | 0.48  | 1.48  | 0.35   | 0.35   | 0.59    | 5350000 | 4250000  |
| 59.997436450 | 29.577174630 | -0.75 | 0.46  | 1.08  | 0.33   | 0.33   | 0.54    | 5400000 | 4250000  |
| 60.298666640 | -3.090103745 | 0.18  | -0.06 | -0.57 | 0.42   | 0.42   | 0.77    | 3600000 | 4200000  |
| 60.378625430 | -2.200807344 | 0.20  | -0.04 | -0.51 | 0.39   | 0.39   | 0.68    | 3650000 | 4200000  |
| 60.453014440 | -1.307627421 | 0.21  | -0.02 | -0.47 | 0.33   | 0.33   | 0.56    | 3700000 | 4200000  |
| 60.521795830 | -0.410817382 | 0.15  | -0.01 | -0.43 | 0.38   | 0.38   | 0.68    | 3750000 | 4200000  |
| 60.780444070 | 4.118288326  | 0.15  | -0.93 | 0.58  | 0.38   | 0.38   | 0.67    | 4000000 | 4200000  |
| 60.814931420 | 5.031149002  | 0.00  | -0.95 | 1.14  | 0.27   | 0.25   | 0.47    | 4050000 | 4200000  |
| 60.843621260 | 5.945673077  | -0.04 | -0.94 | 1.77  | 0.31   | 0.29   | 0.53    | 4100000 | 4200000  |
| 60.866498110 | 6.861558946  | -0.04 | -0.90 | 2.31  | 0.34   | 0.33   | 0.57    | 4150000 | 4200000  |
| 60.883549590 | 7.778501789  | -0.09 | -0.97 | 2.84  | 0.33   | 0.32   | 0.56    | 4200000 | 4200000  |
| 60.894766450 | 8.696194286  | -0.17 | -1.08 | 3.45  | 0.24   | 0.21   | 0.42    | 4250000 | 4200000  |
| 60.900142570 | 9.614327335  | -0.17 | -1.08 | 4.14  | 0.31   | 0.30   | 0.53    | 4300000 | 4200000  |
| 60.899675050 | 10.532590780 | -0.14 | -1.05 | 4.83  | 0.26   | 0.25   | 0.48    | 4350000 | 4200000  |
| 60.893364130 | 11.450674170 | -0.18 | -1.00 | 5.43  | 0.28   | 0.28   | 0.49    | 4400000 | 4200000  |
| 60.881213240 | 12.368267450 | -0.26 | -0.93 | 5.97  | 0.31   | 0.31   | 0.52    | 4450000 | 4200000  |
| 60.863228990 | 13.285061780 | -0.28 | -0.82 | 6.47  | 0.33   | 0.33   | 0.56    | 4500000 | 4200000  |
| 60.839421150 | 14.200750170 | -0.27 | -0.70 | 6.84  | 0.30   | 0.30   | 0.49    | 4550000 | 4200000  |
| 60.809802590 | 15.115028270 | -0.31 | -0.57 | 7.06  | 0.24   | 0.24   | 0.40    | 4600000 | 4200000  |
| 60.774389270 | 16.027595070 | -0.41 | -0.42 | 7.06  | 0.35   | 0.35   | 0.59    | 4650000 | 4200000  |
| 60.733200200 | 16.938153530 | -0.49 | -0.27 | 6.96  | 0.24   | 0.24   | 0.43    | 4700000 | 4200000  |
| 60.686257340 | 17.846411310 | -0.56 | -0.18 | 6.90  | 0.27   | 0.27   | 0.51    | 4750000 | 4200000  |
| 60.633585590 | 18.752081360 | -0.66 | -0.01 | 6.73  | 0.35   | 0.36   | 0.63    | 4800000 | 4200000  |
| 60.575212690 | 19.654882560 | -0.76 | 0.18  | 6.47  | 0.34   | 0.34   | 0.58    | 4850000 | 4200000  |
| 60.511169130 | 20.554540250 | -0.84 | 0.35  | 6.00  | 0.33   | 0.33   | 0.55    | 4900000 | 4200000  |
| 60.441488080 | 21.450786830 | -0.89 | 0.47  | 5.42  | 0.33   | 0.33   | 0.57    | 4950000 | 4200000  |
| 60.366205290 | 22.343362210 | -0.89 | 0.58  | 4.84  | 0.21   | 0.20   | 0.37    | 5000000 | 4200000  |
| 60.285359020 | 23.232014280 | -0.87 | 0.59  | 4.08  | 0.30   | 0.30   | 0.52    | 5050000 | 4200000  |
| 60.198989860 | 24.116499360 | -0.92 | 0.57  | 3.50  | 0.25   | 0.25   | 0.45    | 5100000 | 4200000  |
| 60.107140730 | 24.996582550 | -0.98 | 0.53  | 3.07  | 0.24   | 0.24   | 0.47    | 5150000 | 4200000  |
| 60.009856670 | 25.872038080 | -0.87 | 0.52  | 2.72  | 0.32   | 0.32   | 0.57    | 5200000 | 4200000  |
| 59.907184770 | 26.742649600 | -0.80 | 0.50  | 2.28  | 0.33   | 0.33   | 0.56    | 5250000 | 4200000  |
| 59.799174050 | 27.608210420 | -0.76 | 0.43  | 1.74  | 0.32   | 0.32   | 0.53    | 5300000 | 4200000  |
| 59.685875350 | 28.468523750 | -0.75 | 0.34  | 1.21  | 0.31   | 0.31   | 0.53    | 5350000 | 4200000  |
| 59.567341160 | 29.323402820 | -0.70 | 0.33  | 0.85  | 0.35   | 0.35   | 0.59    | 5400000 | 4200000  |
| 59.488328230 | -6.388460991 | 0.22  | -0.12 | -0.87 | 0.43   | 0.43   | 0.80    | 3400000 | 4150000  |
| 59.588677010 | -5.527405493 | 0.22  | -0.13 | -0.79 | 0.43   | 0.43   | 0.80    | 3450000 | 4150000  |
| 59.773349300 | -3.791701237 | 0.25  | -0.13 | -0.59 | 0.42   | 0.42   | 0.76    | 3550000 | 4150000  |
| 59.857585390 | -2.917481246 | 0.26  | -0.10 | -0.51 | 0.40   | 0.41   | 0.72    | 3600000 | 4150000  |
| 59.936366590 | -2.039316134 | 0.27  | -0.07 | -0.46 | 0.36   | 0.36   | 0.62    | 3650000 | 4150000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 60.009654480 | -1.157441225 | 0.29  | -0.03 | -0.42 | 0.23   | 0.23   | 0.38    | 3700000 | 4150000  |
| 60.077412940 | -0.272099601 | 0.19  | -0.02 | -0.40 | 0.37   | 0.37   | 0.64    | 3750000 | 4150000  |
| 60.332172600 | 4.197612195  | 0.15  | -0.96 | 0.78  | 0.37   | 0.37   | 0.65    | 4000000 | 4150000  |
| 60.366136400 | 5.098270277  | 0.13  | -1.07 | 1.61  | 0.22   | 0.22   | 0.37    | 4050000 | 4150000  |
| 60.394389780 | 6.000514582  | 0.00  | -0.98 | 1.92  | 0.32   | 0.31   | 0.52    | 4100000 | 4150000  |
| 60.416918010 | 6.904057344  | -0.08 | -0.82 | 2.30  | 0.28   | 0.28   | 0.46    | 4150000 | 4150000  |
| 60.433709290 | 7.808607828  | -0.15 | -0.97 | 2.79  | 0.26   | 0.26   | 0.43    | 4200000 | 4150000  |
| 60.444754820 | 8.713872984  | -0.20 | -1.28 | 3.41  | 0.24   | 0.23   | 0.41    | 4250000 | 4150000  |
| 60.450048790 | 9.619558114  | -0.16 | -1.14 | 4.07  | 0.32   | 0.31   | 0.53    | 4300000 | 4150000  |
| 60.449588410 | 10.525367550 | -0.15 | -1.05 | 4.66  | 0.28   | 0.28   | 0.49    | 4350000 | 4150000  |
| 60.443373930 | 11.431005340 | -0.35 | -0.94 | 5.22  | 0.28   | 0.27   | 0.49    | 4400000 | 4150000  |
| 60.431408610 | 12.336175910 | -0.64 | -0.77 | 5.88  | 0.25   | 0.25   | 0.44    | 4450000 | 4150000  |
| 60.413698740 | 13.240584800 | -0.64 | -0.65 | 6.28  | 0.30   | 0.30   | 0.51    | 4500000 | 4150000  |
| 60.390253620 | 14.143939280 | -0.50 | -0.61 | 6.48  | 0.34   | 0.34   | 0.58    | 4550000 | 4150000  |
| 60.361085510 | 15.045949040 | -0.46 | -0.50 | 6.56  | 0.34   | 0.34   | 0.56    | 4600000 | 4150000  |
| 60.326209600 | 15.946326850 | -0.50 | -0.38 | 6.49  | 0.36   | 0.36   | 0.62    | 4650000 | 4150000  |
| 60.285644000 | 16.844789200 | -0.58 | -0.27 | 6.35  | 0.32   | 0.32   | 0.54    | 4700000 | 4150000  |
| 60.239409620 | 17.741056880 | -0.65 | -0.15 | 6.21  | 0.29   | 0.29   | 0.51    | 4750000 | 4150000  |
| 60.187530200 | 18.634855600 | -0.71 | 0.01  | 6.06  | 0.34   | 0.34   | 0.59    | 4800000 | 4150000  |
| 60.130032160 | 19.525916570 | -0.78 | 0.19  | 5.88  | 0.29   | 0.29   | 0.49    | 4850000 | 4150000  |
| 60.066944580 | 20.413976990 | -0.84 | 0.41  | 5.40  | 0.19   | 0.19   | 0.35    | 4900000 | 4150000  |
| 59.998299080 | 21.298780580 | -0.89 | 0.43  | 4.88  | 0.32   | 0.32   | 0.58    | 4950000 | 4150000  |
| 59.924129780 | 22.180078060 | -0.87 | 0.47  | 4.20  | 0.35   | 0.34   | 0.60    | 5000000 | 4150000  |
| 59.844473160 | 23.057627560 | -0.83 | 0.49  | 3.49  | 0.33   | 0.32   | 0.57    | 5050000 | 4150000  |
| 59.759368000 | 23.931195030 | -0.86 | 0.40  | 2.97  | 0.30   | 0.30   | 0.52    | 5100000 | 4150000  |
| 59.668855260 | 24.800554600 | -0.84 | 0.31  | 2.68  | 0.28   | 0.27   | 0.46    | 5150000 | 4150000  |
| 59.572977980 | 25.665488900 | -0.72 | 0.41  | 2.50  | 0.26   | 0.26   | 0.44    | 5200000 | 4150000  |
| 59.471781180 | 26.525789330 | -0.65 | 0.46  | 2.03  | 0.26   | 0.25   | 0.43    | 5250000 | 4150000  |
| 59.365311740 | 27.381256320 | -0.66 | 0.38  | 1.50  | 0.17   | 0.17   | 0.30    | 5300000 | 4150000  |
| 59.253618280 | 28.231699520 | -0.74 | 0.24  | 0.91  | 0.24   | 0.24   | 0.41    | 5350000 | 4150000  |
| 59.136751070 | 29.076937970 | -0.68 | 0.22  | 0.46  | 0.37   | 0.37   | 0.63    | 5400000 | 4150000  |
| 59.014761880 | 29.916800220 | -0.64 | 0.19  | -0.01 | 0.40   | 0.40   | 0.70    | 5450000 | 4150000  |
| 59.052351160 | -6.179491831 | 0.34  | -0.20 | -0.95 | 0.40   | 0.40   | 0.73    | 3400000 | 4100000  |
| 59.151278100 | -5.328518218 | 0.33  | -0.20 | -0.81 | 0.41   | 0.41   | 0.74    | 3450000 | 4100000  |
| 59.244945220 | -4.473140975 | 0.34  | -0.21 | -0.66 | 0.40   | 0.40   | 0.72    | 3500000 | 4100000  |
| 59.333309760 | -3.613562574 | 0.37  | -0.21 | -0.52 | 0.37   | 0.38   | 0.66    | 3550000 | 4100000  |
| 59.416330890 | -2.749993635 | 0.37  | -0.17 | -0.43 | 0.36   | 0.37   | 0.63    | 3600000 | 4100000  |
| 59.493969810 | -1.882652651 | 0.31  | -0.10 | -0.41 | 0.38   | 0.38   | 0.66    | 3650000 | 4100000  |
| 59.566189830 | -1.011765678 | 0.24  | -0.06 | -0.40 | 0.38   | 0.38   | 0.67    | 3700000 | 4100000  |
| 59.632956460 | -0.137565986 | 0.17  | -0.03 | -0.38 | 0.41   | 0.41   | 0.73    | 3750000 | 4100000  |
| 59.883947560 | 4.274504175  | 0.11  | -0.91 | 0.76  | 0.38   | 0.38   | 0.67    | 4000000 | 4100000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 59.917404180 | 5.163329277  | 0.02  | -0.97 | 1.43  | 0.32   | 0.32   | 0.55    | 4050000 | 4100000  |
| 59.945234790 | 6.053668041  | -0.10 | -0.94 | 1.85  | 0.32   | 0.32   | 0.54    | 4100000 | 4100000  |
| 59.967425360 | 6.945245727  | -0.19 | -0.98 | 2.21  | 0.27   | 0.27   | 0.44    | 4150000 | 4100000  |
| 59.983964640 | 7.837784845  | -0.25 | -1.04 | 2.68  | 0.30   | 0.30   | 0.50    | 4200000 | 4100000  |
| 59.994844250 | 8.731005759  | -0.26 | -1.11 | 3.29  | 0.32   | 0.32   | 0.53    | 4250000 | 4100000  |
| 60.000058650 | 9.624627310  | -0.24 | -1.09 | 3.90  | 0.29   | 0.29   | 0.49    | 4300000 | 4100000  |
| 59.999605200 | 10.518367440 | -0.24 | -1.06 | 4.45  | 0.24   | 0.24   | 0.41    | 4350000 | 4100000  |
| 59.993484110 | 11.411943830 | -0.43 | -0.96 | 4.94  | 0.28   | 0.27   | 0.49    | 4400000 | 4100000  |
| 59.981698500 | 12.305074520 | -0.67 | -0.78 | 5.54  | 0.32   | 0.32   | 0.53    | 4450000 | 4100000  |
| 59.964254380 | 13.197478550 | -0.71 | -0.66 | 5.89  | 0.32   | 0.32   | 0.54    | 4500000 | 4100000  |
| 59.941160580 | 14.088876590 | -0.61 | -0.59 | 6.03  | 0.36   | 0.36   | 0.61    | 4550000 | 4100000  |
| 59.912428780 | 14.978991550 | -0.58 | -0.46 | 6.02  | 0.39   | 0.39   | 0.66    | 4600000 | 4100000  |
| 59.878073490 | 15.867549190 | -0.60 | -0.34 | 5.92  | 0.39   | 0.39   | 0.67    | 4650000 | 4100000  |
| 59.838111930 | 16.754278690 | -0.67 | -0.22 | 5.75  | 0.35   | 0.35   | 0.59    | 4700000 | 4100000  |
| 59.792564060 | 17.638913250 | -0.74 | -0.11 | 5.51  | 0.20   | 0.20   | 0.35    | 4750000 | 4100000  |
| 59.741452490 | 18.521190620 | -0.73 | 0.04  | 5.30  | 0.33   | 0.33   | 0.57    | 4800000 | 4100000  |
| 59.684802430 | 19.400853650 | -0.78 | 0.17  | 5.07  | 0.36   | 0.36   | 0.62    | 4850000 | 4100000  |
| 59.622641620 | 20.277650730 | -0.83 | 0.31  | 4.70  | 0.36   | 0.36   | 0.62    | 4900000 | 4100000  |
| 59.555000220 | 21.151336350 | -0.85 | 0.35  | 4.19  | 0.38   | 0.38   | 0.66    | 4950000 | 4100000  |
| 59.481910810 | 22.021671460 | -0.80 | 0.37  | 3.53  | 0.37   | 0.37   | 0.65    | 5000000 | 4100000  |
| 59.403408210 | 22.888423920 | -0.79 | 0.37  | 2.86  | 0.34   | 0.34   | 0.59    | 5050000 | 4100000  |
| 59.319529470 | 23.751368850 | -0.86 | 0.27  | 2.45  | 0.30   | 0.30   | 0.50    | 5100000 | 4100000  |
| 59.230313720 | 24.610289010 | -0.86 | 0.15  | 2.23  | 0.22   | 0.22   | 0.36    | 5150000 | 4100000  |
| 59.135802120 | 25.464975060 | -0.77 | 0.28  | 2.02  | 0.23   | 0.23   | 0.38    | 5200000 | 4100000  |
| 59.036037700 | 26.315225870 | -0.78 | 0.37  | 1.51  | 0.24   | 0.23   | 0.39    | 5250000 | 4100000  |
| 58.931065310 | 27.160848690 | -0.81 | 0.34  | 1.15  | 0.22   | 0.22   | 0.38    | 5300000 | 4100000  |
| 58.820931510 | 28.001659440 | -0.72 | 0.22  | 0.65  | 0.33   | 0.32   | 0.55    | 5350000 | 4100000  |
| 58.705684430 | 28.837482800 | -0.65 | 0.14  | 0.14  | 0.39   | 0.39   | 0.68    | 5400000 | 4100000  |
| 58.585373690 | 29.668152350 | -0.62 | 0.09  | -0.35 | 0.42   | 0.42   | 0.75    | 5450000 | 4100000  |
| 58.174802680 | -9.295309108 | 0.19  | -0.06 | -0.93 | 0.43   | 0.44   | 0.82    | 3200000 | 4050000  |
| 58.292683360 | -8.472823206 | 0.30  | -0.09 | -0.99 | 0.42   | 0.42   | 0.77    | 3250000 | 4050000  |
| 58.405549860 | -7.645419663 | 0.43  | -0.13 | -1.05 | 0.39   | 0.40   | 0.70    | 3300000 | 4050000  |
| 58.513354840 | -6.813261311 | 0.56  | -0.21 | -1.12 | 0.32   | 0.33   | 0.58    | 3350000 | 4050000  |
| 58.616052430 | -5.976519315 | 0.51  | -0.29 | -1.02 | 0.31   | 0.31   | 0.58    | 3400000 | 4050000  |
| 58.713598300 | -5.135373035 | 0.44  | -0.26 | -0.77 | 0.38   | 0.38   | 0.67    | 3450000 | 4050000  |
| 58.805949790 | -4.290009868 | 0.43  | -0.30 | -0.60 | 0.35   | 0.35   | 0.62    | 3500000 | 4050000  |
| 58.893066010 | -3.440625045 | 0.49  | -0.31 | -0.44 | 0.28   | 0.29   | 0.50    | 3550000 | 4050000  |
| 58.974907910 | -2.587421403 | 0.49  | -0.23 | -0.32 | 0.26   | 0.29   | 0.47    | 3600000 | 4050000  |
| 59.051438380 | -1.730609122 | 0.32  | -0.13 | -0.35 | 0.39   | 0.39   | 0.68    | 3650000 | 4050000  |
| 59.122622360 | -0.870405429 | 0.22  | -0.07 | -0.37 | 0.42   | 0.42   | 0.75    | 3700000 | 4050000  |
| 59.435764210 | 4.349072544  | 0.02  | -0.83 | 0.55  | 0.37   | 0.37   | 0.67    | 4000000 | 4050000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 59.468729300 | 5.226418091  | -0.11 | -0.84 | 1.03  | 0.27   | 0.26   | 0.50    | 4050000 | 4050000  |
| 59.496150220 | 6.105209017  | -0.23 | -0.79 | 1.44  | 0.20   | 0.21   | 0.43    | 4100000 | 4050000  |
| 59.518013590 | 6.985182849  | -0.29 | -0.92 | 1.92  | 0.29   | 0.29   | 0.50    | 4150000 | 4050000  |
| 59.534308700 | 7.866074564  | -0.34 | -0.94 | 2.40  | 0.31   | 0.31   | 0.52    | 4200000 | 4050000  |
| 59.545027550 | 8.747617153  | -0.37 | -0.94 | 2.95  | 0.23   | 0.25   | 0.44    | 4250000 | 4050000  |
| 59.550164860 | 9.629542191  | -0.42 | -0.93 | 3.44  | 0.23   | 0.23   | 0.42    | 4300000 | 4050000  |
| 59.549718110 | 10.511580420 | -0.42 | -1.00 | 3.78  | 0.28   | 0.28   | 0.47    | 4350000 | 4050000  |
| 59.543687510 | 11.393462350 | -0.49 | -0.97 | 4.40  | 0.34   | 0.34   | 0.58    | 4400000 | 4050000  |
| 59.532076040 | 12.274918810 | -0.60 | -0.86 | 4.97  | 0.35   | 0.35   | 0.60    | 4450000 | 4050000  |
| 59.514889400 | 13.155681560 | -0.63 | -0.74 | 5.42  | 0.27   | 0.27   | 0.44    | 4500000 | 4050000  |
| 59.492136030 | 14.035483880 | -0.62 | -0.60 | 5.56  | 0.31   | 0.31   | 0.51    | 4550000 | 4050000  |
| 59.463827070 | 14.914061110 | -0.63 | -0.46 | 5.45  | 0.39   | 0.39   | 0.67    | 4600000 | 4050000  |
| 59.429976330 | 15.791151230 | -0.67 | -0.33 | 5.33  | 0.39   | 0.39   | 0.68    | 4650000 | 4050000  |
| 59.390600250 | 16.666495430 | -0.70 | -0.19 | 5.16  | 0.36   | 0.36   | 0.61    | 4700000 | 4050000  |
| 59.345717870 | 17.539838600 | -0.75 | -0.07 | 4.91  | 0.25   | 0.25   | 0.44    | 4750000 | 4050000  |
| 59.295350760 | 18.410929840 | -0.68 | 0.02  | 4.53  | 0.25   | 0.25   | 0.48    | 4800000 | 4050000  |
| 59.239522980 | 19.279523000 | -0.76 | 0.13  | 4.33  | 0.38   | 0.38   | 0.66    | 4850000 | 4050000  |
| 59.178260980 | 20.145377090 | -0.81 | 0.20  | 4.02  | 0.40   | 0.40   | 0.71    | 4900000 | 4050000  |
| 59.039551900 | 21.867932720 | -0.73 | 0.28  | 3.02  | 0.35   | 0.35   | 0.62    | 5000000 | 4050000  |
| 58.962169190 | 22.724182030 | -0.64 | 0.34  | 2.22  | 0.21   | 0.20   | 0.40    | 5050000 | 4050000  |
| 58.879480860 | 23.576788600 | -0.90 | 0.42  | 2.06  | 0.25   | 0.25   | 0.42    | 5100000 | 4050000  |
| 58.791524320 | 24.425543400 | -0.91 | 0.27  | 1.96  | 0.24   | 0.23   | 0.39    | 5150000 | 4050000  |
| 58.698338930 | 25.270244780 | -0.81 | 0.24  | 1.64  | 0.25   | 0.25   | 0.43    | 5200000 | 4050000  |
| 58.599965880 | 26.110698760 | -0.84 | 0.22  | 1.10  | 0.26   | 0.26   | 0.44    | 5250000 | 4050000  |
| 58.496448090 | 26.946719210 | -0.81 | 0.18  | 0.71  | 0.26   | 0.26   | 0.43    | 5300000 | 4050000  |
| 58.387830140 | 27.778128080 | -0.65 | 0.14  | 0.36  | 0.30   | 0.30   | 0.51    | 5350000 | 4050000  |
| 58.274158160 | 28.604755530 | -0.60 | 0.08  | -0.13 | 0.38   | 0.38   | 0.67    | 5400000 | 4050000  |
| 58.155479690 | 29.426440060 | -0.59 | 0.02  | -0.60 | 0.42   | 0.42   | 0.76    | 5450000 | 4050000  |
| 57.744162470 | -9.061651319 | 0.24  | -0.08 | -0.95 | 0.42   | 0.42   | 0.78    | 3200000 | 4000000  |
| 57.860464160 | -8.247980551 | 0.38  | -0.12 | -1.01 | 0.39   | 0.39   | 0.70    | 3250000 | 4000000  |
| 57.971808050 | -7.429591510 | 0.56  | -0.14 | -1.03 | 0.35   | 0.36   | 0.61    | 3300000 | 4000000  |
| 58.078148760 | -6.606642147 | 0.79  | -0.16 | -1.04 | 0.25   | 0.27   | 0.44    | 3350000 | 4000000  |
| 58.179442320 | -5.779298220 | 0.68  | -0.23 | -0.82 | 0.31   | 0.32   | 0.53    | 3400000 | 4000000  |
| 58.275646270 | -4.947733172 | 0.51  | -0.26 | -0.56 | 0.37   | 0.37   | 0.63    | 3450000 | 4000000  |
| 58.366719760 | -4.112127961 | 0.46  | -0.31 | -0.44 | 0.32   | 0.32   | 0.57    | 3500000 | 4000000  |
| 58.452623640 | -3.272670869 | 0.46  | -0.30 | -0.34 | 0.30   | 0.31   | 0.54    | 3550000 | 4000000  |
| 58.533320540 | -2.429557288 | 0.40  | -0.20 | -0.27 | 0.36   | 0.36   | 0.62    | 3600000 | 4000000  |
| 58.608774980 | -1.582989461 | 0.29  | -0.12 | -0.31 | 0.40   | 0.41   | 0.72    | 3650000 | 4000000  |
| 58.987617690 | 4.421419228  | -0.01 | -0.74 | 0.35  | 0.37   | 0.37   | 0.66    | 4000000 | 4000000  |
| 59.020106200 | 5.287623389  | -0.15 | -0.72 | 0.63  | 0.25   | 0.25   | 0.44    | 4050000 | 4000000  |
| 59.047129940 | 6.155208611  | -0.25 | -0.75 | 1.10  | 0.28   | 0.28   | 0.48    | 4100000 | 4000000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 59.068676120 | 7.023923987  | -0.34 | -0.80 | 1.62  | 0.32   | 0.31   | 0.54    | 4150000 | 4000000  |
| 59.084734540 | 7.893516240  | -0.41 | -0.79 | 2.06  | 0.30   | 0.29   | 0.50    | 4200000 | 4000000  |
| 59.095297560 | 8.763730253  | -0.46 | -0.76 | 2.51  | 0.25   | 0.25   | 0.45    | 4250000 | 4000000  |
| 59.100360150 | 9.634309592  | -0.48 | -0.87 | 2.99  | 0.26   | 0.26   | 0.45    | 4300000 | 4000000  |
| 59.099919890 | 10.504997060 | -0.47 | -1.00 | 3.31  | 0.22   | 0.22   | 0.40    | 4350000 | 4000000  |
| 59.093977000 | 11.375535210 | -0.50 | -1.00 | 3.86  | 0.28   | 0.28   | 0.50    | 4400000 | 4000000  |
| 59.082534320 | 12.245666950 | -0.61 | -0.94 | 4.30  | 0.33   | 0.33   | 0.56    | 4450000 | 4000000  |
| 59.065597280 | 13.115136010 | -0.64 | -0.78 | 4.67  | 0.34   | 0.34   | 0.56    | 4500000 | 4000000  |
| 59.043173930 | 13.983687520 | -0.66 | -0.62 | 4.84  | 0.36   | 0.36   | 0.60    | 4550000 | 4000000  |
| 59.015274910 | 14.851068570 | -0.68 | -0.47 | 4.81  | 0.39   | 0.39   | 0.66    | 4600000 | 4000000  |
| 58.981913380 | 15.717028660 | -0.70 | -0.34 | 4.69  | 0.36   | 0.36   | 0.61    | 4650000 | 4000000  |
| 58.943105040 | 16.581320270 | -0.70 | -0.19 | 4.52  | 0.30   | 0.30   | 0.53    | 4700000 | 4000000  |
| 58.898868060 | 17.443699340 | -0.68 | -0.06 | 4.26  | 0.28   | 0.28   | 0.52    | 4750000 | 4000000  |
| 58.849223020 | 18.303925710 | -0.69 | -0.01 | 3.95  | 0.34   | 0.34   | 0.60    | 4800000 | 4000000  |
| 58.794192900 | 19.161763630 | -0.76 | 0.05  | 3.70  | 0.39   | 0.39   | 0.69    | 4850000 | 4000000  |
| 58.733802960 | 20.016982170 | -0.80 | 0.11  | 3.44  | 0.41   | 0.41   | 0.73    | 4900000 | 4000000  |
| 58.597055970 | 21.718663910 | -0.75 | 0.18  | 2.79  | 0.33   | 0.33   | 0.57    | 5000000 | 4000000  |
| 58.520760430 | 22.564692920 | -0.75 | 0.32  | 2.34  | 0.23   | 0.22   | 0.40    | 5050000 | 4000000  |
| 58.439227970 | 23.407234880 | -0.89 | 0.54  | 1.97  | 0.24   | 0.24   | 0.40    | 5100000 | 4000000  |
| 58.352494400 | 24.246088620 | -0.75 | 0.36  | 1.66  | 0.24   | 0.24   | 0.41    | 5150000 | 4000000  |
| 58.260597370 | 25.081059870 | -0.65 | 0.16  | 1.19  | 0.28   | 0.27   | 0.49    | 5200000 | 4000000  |
| 58.163576290 | 25.911961510 | -0.73 | 0.06  | 0.76  | 0.27   | 0.26   | 0.46    | 5250000 | 4000000  |
| 58.061472290 | 26.738613760 | -0.72 | 0.04  | 0.41  | 0.24   | 0.24   | 0.39    | 5300000 | 4000000  |
| 57.954328080 | 27.560844410 | -0.57 | 0.10  | 0.04  | 0.23   | 0.22   | 0.42    | 5350000 | 4000000  |
| 57.842187850 | 28.378488940 | -0.56 | 0.04  | -0.34 | 0.36   | 0.36   | 0.63    | 5400000 | 4000000  |
| 57.725097230 | 29.191390650 | -0.56 | -0.03 | -0.74 | 0.42   | 0.41   | 0.75    | 5450000 | 4000000  |
| 57.603103110 | 29.999400790 | -0.56 | -0.10 | -1.15 | 0.43   | 0.43   | 0.81    | 5500000 | 4000000  |
| 57.313056780 | -8.834366644 | 0.25  | -0.10 | -0.98 | 0.40   | 0.41   | 0.73    | 3200000 | 3950000  |
| 57.427822100 | -8.029312563 | 0.42  | -0.16 | -1.02 | 0.33   | 0.34   | 0.57    | 3250000 | 3950000  |
| 57.537684900 | -7.219729464 | 0.61  | -0.18 | -0.95 | 0.22   | 0.24   | 0.40    | 3300000 | 3950000  |
| 57.642601660 | -6.405770544 | 0.62  | -0.21 | -0.65 | 0.32   | 0.33   | 0.55    | 3350000 | 3950000  |
| 57.742530210 | -5.587596328 | 0.60  | -0.23 | -0.30 | 0.31   | 0.32   | 0.53    | 3400000 | 3950000  |
| 57.837429850 | -4.765374539 | 0.50  | -0.23 | -0.18 | 0.33   | 0.34   | 0.56    | 3450000 | 3950000  |
| 57.927261450 | -3.939279943 | 0.44  | -0.23 | -0.14 | 0.33   | 0.33   | 0.56    | 3500000 | 3950000  |
| 58.011987510 | -3.109494157 | 0.41  | -0.18 | -0.09 | 0.32   | 0.33   | 0.55    | 3550000 | 3950000  |
| 58.091572270 | -2.276205445 | 0.33  | -0.12 | -0.17 | 0.37   | 0.37   | 0.64    | 3600000 | 3950000  |
| 58.165981770 | -1.439608471 | 0.24  | -0.08 | -0.27 | 0.41   | 0.41   | 0.74    | 3650000 | 3950000  |
| 58.539503020 | 4.491640260  | 0.00  | -0.69 | 0.23  | 0.39   | 0.39   | 0.69    | 4000000 | 3950000  |
| 58.571529270 | 5.347026808  | -0.05 | -0.72 | 0.73  | 0.29   | 0.29   | 0.48    | 4050000 | 3950000  |
| 58.598167770 | 6.203733785  | -0.18 | -0.76 | 1.07  | 0.26   | 0.25   | 0.42    | 4100000 | 3950000  |
| 58.619406340 | 7.061521192  | -0.34 | -0.80 | 1.29  | 0.27   | 0.24   | 0.44    | 4150000 | 3950000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 58.635235210 | 7.920146832  | -0.43 | -0.78 | 1.74  | 0.28   | 0.27   | 0.45    | 4200000 | 3950000  |
| 58.645647110 | 8.779366794  | -0.47 | -0.80 | 2.19  | 0.29   | 0.28   | 0.46    | 4250000 | 3950000  |
| 58.650637240 | 9.638935950  | -0.44 | -0.86 | 2.63  | 0.29   | 0.29   | 0.48    | 4300000 | 3950000  |
| 58.650203290 | 10.498608450 | -0.36 | -0.88 | 3.05  | 0.31   | 0.31   | 0.52    | 4350000 | 3950000  |
| 58.644345460 | 11.358138250 | -0.34 | -0.92 | 3.49  | 0.26   | 0.27   | 0.45    | 4400000 | 3950000  |
| 58.633066450 | 12.217279560 | -0.57 | -0.96 | 3.65  | 0.24   | 0.25   | 0.42    | 4450000 | 3950000  |
| 58.616371470 | 13.075787440 | -0.63 | -0.79 | 3.89  | 0.36   | 0.36   | 0.61    | 4500000 | 3950000  |
| 58.594268200 | 13.933418200 | -0.67 | -0.63 | 4.08  | 0.38   | 0.38   | 0.65    | 4550000 | 3950000  |
| 58.566766770 | 14.789929970 | -0.70 | -0.48 | 4.13  | 0.38   | 0.38   | 0.66    | 4600000 | 3950000  |
| 58.533879780 | 15.645083150 | -0.72 | -0.36 | 4.03  | 0.32   | 0.32   | 0.54    | 4650000 | 3950000  |
| 58.495622200 | 16.498640890 | -0.71 | -0.23 | 3.84  | 0.24   | 0.24   | 0.41    | 4700000 | 3950000  |
| 58.452011370 | 17.350369540 | -0.64 | -0.08 | 3.58  | 0.31   | 0.31   | 0.56    | 4750000 | 3950000  |
| 58.403066980 | 18.200039110 | -0.69 | -0.04 | 3.32  | 0.37   | 0.37   | 0.64    | 4800000 | 3950000  |
| 58.348810960 | 19.047423700 | -0.75 | -0.01 | 3.09  | 0.39   | 0.39   | 0.69    | 4850000 | 3950000  |
| 58.289267460 | 19.892301880 | -0.79 | 0.03  | 2.89  | 0.41   | 0.41   | 0.72    | 4900000 | 3950000  |
| 58.154425380 | 21.573678100 | -0.83 | 0.10  | 2.54  | 0.34   | 0.34   | 0.58    | 5000000 | 3950000  |
| 58.079185630 | 22.409759090 | -0.86 | 0.21  | 2.27  | 0.28   | 0.28   | 0.46    | 5050000 | 3950000  |
| 57.998775930 | 23.242500250 | -0.82 | 0.26  | 1.67  | 0.28   | 0.28   | 0.47    | 5100000 | 3950000  |
| 57.913230530 | 24.071707930 | -0.59 | 0.12  | 1.10  | 0.26   | 0.26   | 0.44    | 5150000 | 3950000  |
| 57.822585480 | 24.897194900 | -0.52 | -0.01 | 0.70  | 0.27   | 0.27   | 0.48    | 5200000 | 3950000  |
| 57.726878540 | 25.718780640 | -0.67 | -0.05 | 0.49  | 0.26   | 0.26   | 0.45    | 5250000 | 3950000  |
| 57.626149110 | 26.536291500 | -0.70 | -0.05 | 0.26  | 0.25   | 0.25   | 0.41    | 5300000 | 3950000  |
| 57.520438110 | 27.349560880 | -0.60 | 0.06  | -0.07 | 0.23   | 0.22   | 0.39    | 5350000 | 3950000  |
| 57.409787940 | 28.158429440 | -0.57 | 0.00  | -0.39 | 0.35   | 0.35   | 0.62    | 5400000 | 3950000  |
| 57.294242350 | 28.962745160 | -0.55 | -0.07 | -0.78 | 0.41   | 0.41   | 0.74    | 5450000 | 3950000  |
| 57.173846370 | 29.762363470 | -0.52 | -0.14 | -1.18 | 0.43   | 0.43   | 0.80    | 5500000 | 3950000  |
| 56.881500210 | -8.613209857 | 0.21  | -0.11 | -1.00 | 0.39   | 0.40   | 0.70    | 3200000 | 3900000  |
| 56.994770230 | -7.816579388 | 0.31  | -0.18 | -1.03 | 0.26   | 0.29   | 0.47    | 3250000 | 3900000  |
| 57.103191920 | -7.015599655 | 0.37  | -0.22 | -0.89 | 0.28   | 0.29   | 0.47    | 3300000 | 3900000  |
| 57.206723520 | -6.210419236 | 0.38  | -0.25 | -0.32 | 0.30   | 0.30   | 0.50    | 3350000 | 3900000  |
| 57.305324570 | -5.401193584 | 0.45  | -0.24 | 0.27  | 0.21   | 0.24   | 0.39    | 3400000 | 3900000  |
| 57.398956050 | -4.588084908 | 0.42  | -0.19 | 0.33  | 0.24   | 0.25   | 0.40    | 3450000 | 3900000  |
| 57.487580460 | -3.771262013 | 0.41  | -0.19 | 0.20  | 0.27   | 0.27   | 0.45    | 3500000 | 3900000  |
| 57.571161870 | -2.950900123 | 0.39  | -0.09 | 0.19  | 0.21   | 0.24   | 0.38    | 3550000 | 3900000  |
| 57.649666030 | -2.127180680 | 0.28  | -0.03 | -0.08 | 0.33   | 0.34   | 0.58    | 3600000 | 3900000  |
| 57.723060420 | -1.300291110 | 0.20  | -0.04 | -0.27 | 0.40   | 0.40   | 0.72    | 3650000 | 3900000  |
| 58.122992790 | 5.404705319  | -0.09 | -0.65 | 0.48  | 0.35   | 0.35   | 0.61    | 4050000 | 3900000  |
| 58.149257510 | 6.250847662  | -0.23 | -0.62 | 0.76  | 0.28   | 0.27   | 0.50    | 4100000 | 3900000  |
| 58.170197610 | 7.098023526  | -0.34 | -0.67 | 0.86  | 0.26   | 0.25   | 0.45    | 4150000 | 3900000  |
| 58.185803790 | 7.946001171  | -0.36 | -0.78 | 1.11  | 0.23   | 0.23   | 0.40    | 4200000 | 3900000  |
| 58.196069080 | 8.794547262  | -0.42 | -0.79 | 1.68  | 0.32   | 0.31   | 0.51    | 4250000 | 3900000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 58.200988910 | 9.643427329  | -0.37 | -0.80 | 2.09  | 0.34   | 0.34   | 0.57    | 4300000 | 3900000  |
| 58.200561070 | 10.492406240 | -0.27 | -0.77 | 2.56  | 0.33   | 0.33   | 0.56    | 4350000 | 3900000  |
| 58.194785760 | 11.341248660 | -0.18 | -0.76 | 3.01  | 0.27   | 0.27   | 0.46    | 4400000 | 3900000  |
| 58.183665550 | 12.189719530 | -0.43 | -0.84 | 2.97  | 0.28   | 0.29   | 0.49    | 4450000 | 3900000  |
| 58.167205420 | 13.037584530 | -0.59 | -0.76 | 3.11  | 0.31   | 0.32   | 0.54    | 4500000 | 3900000  |
| 58.145412690 | 13.884610560 | -0.67 | -0.61 | 3.39  | 0.34   | 0.34   | 0.57    | 4550000 | 3900000  |
| 58.118297060 | 14.730566160 | -0.71 | -0.47 | 3.46  | 0.36   | 0.36   | 0.61    | 4600000 | 3900000  |
| 58.085870550 | 15.575222020 | -0.71 | -0.34 | 3.34  | 0.37   | 0.37   | 0.62    | 4650000 | 3900000  |
| 58.048147460 | 16.418351350 | -0.67 | -0.23 | 3.13  | 0.36   | 0.36   | 0.61    | 4700000 | 3900000  |
| 58.005144380 | 17.259730380 | -0.64 | -0.14 | 2.88  | 0.36   | 0.36   | 0.61    | 4750000 | 3900000  |
| 57.956880100 | 18.099138730 | -0.68 | -0.10 | 2.65  | 0.32   | 0.32   | 0.54    | 4800000 | 3900000  |
| 57.903375600 | 18.936359810 | -0.74 | -0.07 | 2.47  | 0.35   | 0.35   | 0.59    | 4850000 | 3900000  |
| 57.844653960 | 19.771181240 | -0.77 | -0.05 | 2.32  | 0.40   | 0.40   | 0.69    | 4900000 | 3900000  |
| 57.711661980 | 21.432798580 | -0.85 | -0.03 | 2.16  | 0.31   | 0.31   | 0.53    | 5000000 | 3900000  |
| 57.637447920 | 22.259193760 | -0.86 | 0.04  | 1.82  | 0.27   | 0.27   | 0.44    | 5050000 | 3900000  |
| 57.558129170 | 23.082388440 | -0.78 | 0.12  | 1.16  | 0.28   | 0.28   | 0.47    | 5100000 | 3900000  |
| 57.473738530 | 23.902196130 | -0.60 | 0.02  | 0.66  | 0.30   | 0.30   | 0.50    | 5150000 | 3900000  |
| 57.384310530 | 24.718436360 | -0.51 | -0.07 | 0.35  | 0.26   | 0.26   | 0.44    | 5200000 | 3900000  |
| 57.289881360 | 25.530934920 | -0.66 | -0.05 | 0.42  | 0.25   | 0.24   | 0.41    | 5250000 | 3900000  |
| 57.190488760 | 26.339524060 | -0.73 | -0.06 | 0.43  | 0.26   | 0.26   | 0.44    | 5300000 | 3900000  |
| 57.086172000 | 27.144042640 | -0.68 | 0.01  | 0.15  | 0.23   | 0.23   | 0.40    | 5350000 | 3900000  |
| 56.976971730 | 27.944336300 | -0.58 | -0.05 | -0.27 | 0.34   | 0.34   | 0.59    | 5400000 | 3900000  |
| 56.862929940 | 28.740257560 | -0.52 | -0.12 | -0.73 | 0.40   | 0.40   | 0.71    | 5450000 | 3900000  |
| 56.744089890 | 29.531665970 | -0.47 | -0.17 | -1.14 | 0.42   | 0.42   | 0.77    | 5500000 | 3900000  |
| 56.561320570 | -7.609553192 | 0.12  | -0.07 | -1.18 | 0.32   | 0.34   | 0.57    | 3250000 | 3850000  |
| 56.668339650 | -6.816980074 | 0.04  | -0.04 | -1.18 | 0.25   | 0.30   | 0.47    | 3300000 | 3850000  |
| 56.770523420 | -6.020372607 | 0.14  | -0.19 | -0.28 | 0.25   | 0.26   | 0.42    | 3350000 | 3850000  |
| 56.867833070 | -5.219881339 | 0.24  | -0.18 | 0.39  | 0.29   | 0.29   | 0.48    | 3400000 | 3850000  |
| 56.960231160 | -4.415663156 | 0.30  | -0.15 | 0.69  | 0.27   | 0.29   | 0.46    | 3450000 | 3850000  |
| 57.047681730 | -3.607881133 | 0.36  | -0.23 | 0.59  | 0.23   | 0.25   | 0.41    | 3500000 | 3850000  |
| 57.130150350 | -2.796704360 | 0.32  | -0.05 | 0.28  | 0.27   | 0.28   | 0.47    | 3550000 | 3850000  |
| 57.207604190 | -1.982307747 | 0.23  | -0.05 | -0.18 | 0.24   | 0.26   | 0.49    | 3600000 | 3850000  |
| 57.280012100 | -1.164871807 | 0.17  | -0.04 | -0.32 | 0.39   | 0.39   | 0.71    | 3650000 | 3850000  |
| 57.700392890 | 6.296609792  | -0.24 | -0.58 | 0.33  | 0.36   | 0.36   | 0.65    | 4100000 | 3850000  |
| 57.721043300 | 7.133477268  | -0.32 | -0.62 | 0.47  | 0.33   | 0.32   | 0.58    | 4150000 | 3850000  |
| 57.736433330 | 7.971112111  | -0.34 | -0.71 | 0.70  | 0.32   | 0.32   | 0.55    | 4200000 | 3850000  |
| 57.746556340 | 8.809290973  | -0.37 | -0.74 | 1.09  | 0.35   | 0.35   | 0.59    | 4250000 | 3850000  |
| 57.751407940 | 9.647789449  | -0.36 | -0.73 | 1.43  | 0.29   | 0.29   | 0.49    | 4300000 | 3850000  |
| 57.750986040 | 10.486382520 | -0.33 | -0.71 | 1.76  | 0.31   | 0.31   | 0.52    | 4350000 | 3850000  |
| 57.745290810 | 11.324844960 | -0.35 | -0.70 | 2.03  | 0.30   | 0.30   | 0.51    | 4400000 | 3850000  |
| 57.734324720 | 12.162951840 | -0.39 | -0.68 | 2.15  | 0.20   | 0.21   | 0.36    | 4450000 | 3850000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 57.718092530 | 13.000478880 | -0.51 | -0.52 | 2.37  | 0.18   | 0.19   | 0.33    | 4500000 | 3850000  |
| 57.696601230 | 13.837202940 | -0.67 | -0.54 | 2.77  | 0.22   | 0.22   | 0.36    | 4550000 | 3850000  |
| 57.669860090 | 14.672902440 | -0.72 | -0.43 | 2.78  | 0.32   | 0.32   | 0.54    | 4600000 | 3850000  |
| 57.637880590 | 15.507357750 | -0.71 | -0.29 | 2.65  | 0.36   | 0.36   | 0.62    | 4650000 | 3850000  |
| 57.600676420 | 16.340351640 | -0.61 | -0.19 | 2.44  | 0.33   | 0.33   | 0.59    | 4700000 | 3850000  |
| 57.558263430 | 17.171669660 | -0.55 | -0.20 | 2.16  | 0.31   | 0.31   | 0.56    | 4750000 | 3850000  |
| 57.510659590 | 18.001100530 | -0.62 | -0.16 | 1.99  | 0.28   | 0.28   | 0.47    | 4800000 | 3850000  |
| 57.457884960 | 18.828436500 | -0.69 | -0.14 | 1.86  | 0.33   | 0.33   | 0.55    | 4850000 | 3850000  |
| 57.399961640 | 19.653473740 | -0.71 | -0.13 | 1.75  | 0.39   | 0.40   | 0.69    | 4900000 | 3850000  |
| 57.336913700 | 20.476012660 | -0.73 | -0.13 | 1.63  | 0.39   | 0.39   | 0.68    | 4950000 | 3850000  |
| 57.268767150 | 21.295858200 | -0.74 | -0.12 | 1.46  | 0.34   | 0.34   | 0.58    | 5000000 | 3850000  |
| 57.195549870 | 22.112820200 | -0.73 | -0.01 | 1.05  | 0.28   | 0.28   | 0.47    | 5050000 | 3850000  |
| 57.117291530 | 22.926713630 | -0.69 | 0.05  | 0.51  | 0.25   | 0.25   | 0.42    | 5100000 | 3850000  |
| 57.034023550 | 23.737358850 | -0.56 | -0.07 | 0.21  | 0.22   | 0.22   | 0.37    | 5150000 | 3850000  |
| 56.945779020 | 24.544581870 | -0.43 | -0.01 | 0.24  | 0.22   | 0.22   | 0.37    | 5200000 | 3850000  |
| 56.852592630 | 25.348214540 | -0.54 | -0.01 | 0.33  | 0.28   | 0.27   | 0.46    | 5250000 | 3850000  |
| 56.754500570 | 26.148094780 | -0.64 | -0.09 | 0.50  | 0.24   | 0.24   | 0.40    | 5300000 | 3850000  |
| 56.651540500 | 26.944066700 | -0.62 | -0.11 | 0.22  | 0.27   | 0.27   | 0.46    | 5350000 | 3850000  |
| 56.543751460 | 27.735980780 | -0.54 | -0.12 | -0.18 | 0.29   | 0.29   | 0.50    | 5400000 | 3850000  |
| 56.431173760 | 28.523693990 | -0.44 | -0.16 | -0.69 | 0.38   | 0.38   | 0.65    | 5450000 | 3850000  |
| 56.313848920 | 29.307069850 | -0.38 | -0.21 | -1.10 | 0.41   | 0.41   | 0.72    | 5500000 | 3850000  |
| 56.127484170 | -7.408017447 | 0.10  | -0.03 | -1.05 | 0.36   | 0.38   | 0.64    | 3250000 | 3800000  |
| 56.233137730 | -6.623659848 | 0.04  | 0.02  | -1.04 | 0.31   | 0.35   | 0.56    | 3300000 | 3800000  |
| 56.334009630 | -5.835425973 | 0.12  | 0.00  | -0.47 | 0.31   | 0.33   | 0.53    | 3350000 | 3800000  |
| 56.430062610 | -5.043461625 | 0.18  | -0.06 | 0.18  | 0.31   | 0.32   | 0.52    | 3400000 | 3800000  |
| 56.521260760 | -4.247918560 | 0.20  | -0.13 | 0.63  | 0.21   | 0.25   | 0.40    | 3450000 | 3800000  |
| 56.607569560 | -3.448954338 | 0.29  | -0.08 | 0.55  | 0.29   | 0.31   | 0.50    | 3500000 | 3800000  |
| 56.688956010 | -2.646732165 | 0.30  | 0.00  | 0.24  | 0.29   | 0.32   | 0.53    | 3550000 | 3800000  |
| 56.765388620 | -1.841420698 | 0.21  | -0.03 | -0.16 | 0.35   | 0.36   | 0.64    | 3600000 | 3800000  |
| 57.287116920 | 7.995510666  | -0.36 | -0.67 | 0.44  | 0.38   | 0.38   | 0.64    | 4200000 | 3800000  |
| 57.297101770 | 8.823616165  | -0.37 | -0.69 | 0.67  | 0.36   | 0.36   | 0.61    | 4250000 | 3800000  |
| 57.301887140 | 9.652027709  | -0.37 | -0.71 | 0.84  | 0.29   | 0.29   | 0.49    | 4300000 | 3800000  |
| 57.301470990 | 10.480529830 | -0.40 | -0.68 | 1.09  | 0.31   | 0.31   | 0.53    | 4350000 | 3800000  |
| 57.295853520 | 11.308906870 | -0.45 | -0.61 | 1.31  | 0.32   | 0.32   | 0.54    | 4400000 | 3800000  |
| 57.285037080 | 12.136943440 | -0.54 | -0.49 | 1.51  | 0.22   | 0.23   | 0.41    | 4450000 | 3800000  |
| 57.269026200 | 12.964424770 | -0.56 | -0.42 | 1.81  | 0.32   | 0.32   | 0.55    | 4500000 | 3800000  |
| 57.247827580 | 13.791137130 | -0.65 | -0.42 | 2.02  | 0.35   | 0.35   | 0.60    | 4550000 | 3800000  |
| 57.221450100 | 14.616868260 | -0.71 | -0.37 | 2.07  | 0.36   | 0.36   | 0.62    | 4600000 | 3800000  |
| 57.189904720 | 15.441407720 | -0.75 | -0.24 | 1.99  | 0.32   | 0.32   | 0.54    | 4650000 | 3800000  |
| 57.153204530 | 16.264547290 | -0.64 | -0.13 | 1.82  | 0.21   | 0.21   | 0.39    | 4700000 | 3800000  |
| 57.111364710 | 17.086081370 | -0.49 | -0.24 | 1.54  | 0.25   | 0.25   | 0.51    | 4750000 | 3800000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 57.064402440 | 17.905807280 | -0.55 | -0.21 | 1.43  | 0.36   | 0.36   | 0.63    | 4800000 | 3800000  |
| 57.012336920 | 18.723525670 | -0.61 | -0.19 | 1.33  | 0.39   | 0.39   | 0.68    | 4850000 | 3800000  |
| 56.955189300 | 19.539040840 | -0.63 | -0.20 | 1.22  | 0.40   | 0.40   | 0.71    | 4900000 | 3800000  |
| 56.892982630 | 20.352161030 | -0.63 | -0.23 | 1.07  | 0.38   | 0.38   | 0.68    | 4950000 | 3800000  |
| 56.825741810 | 21.162698740 | -0.59 | -0.22 | 0.80  | 0.32   | 0.33   | 0.58    | 5000000 | 3800000  |
| 56.753493550 | 21.970471030 | -0.47 | -0.06 | 0.37  | 0.29   | 0.29   | 0.49    | 5050000 | 3800000  |
| 56.676266270 | 22.775299760 | -0.47 | 0.00  | 0.00  | 0.25   | 0.25   | 0.42    | 5100000 | 3800000  |
| 56.594090100 | 23.577011850 | -0.44 | -0.11 | -0.15 | 0.26   | 0.26   | 0.43    | 5150000 | 3800000  |
| 56.506996740 | 24.375439510 | -0.27 | -0.09 | -0.11 | 0.26   | 0.26   | 0.43    | 5200000 | 3800000  |
| 56.415019460 | 25.170420420 | -0.34 | -0.05 | -0.08 | 0.28   | 0.28   | 0.47    | 5250000 | 3800000  |
| 56.318193000 | 25.961797940 | -0.48 | -0.10 | -0.06 | 0.26   | 0.26   | 0.44    | 5300000 | 3800000  |
| 56.216553500 | 26.749421250 | -0.48 | -0.22 | -0.20 | 0.23   | 0.23   | 0.38    | 5350000 | 3800000  |
| 56.110138420 | 27.533145520 | -0.42 | -0.16 | -0.50 | 0.16   | 0.16   | 0.33    | 5400000 | 3800000  |
| 55.998986490 | 28.312832000 | -0.33 | -0.21 | -0.83 | 0.33   | 0.33   | 0.56    | 5450000 | 3800000  |
| 55.883137600 | 29.088348150 | -0.26 | -0.23 | -1.11 | 0.35   | 0.35   | 0.60    | 5500000 | 3800000  |
| 55.470585490 | -8.752707529 | 0.25  | -0.11 | -0.62 | 0.41   | 0.41   | 0.74    | 3150000 | 3750000  |
| 55.584255290 | -7.984232464 | 0.29  | -0.13 | -0.61 | 0.39   | 0.40   | 0.69    | 3200000 | 3750000  |
| 55.693271170 | -7.211766251 | 0.24  | -0.11 | -0.65 | 0.38   | 0.38   | 0.65    | 3250000 | 3750000  |
| 55.797594950 | -6.435438569 | 0.18  | -0.03 | -0.63 | 0.36   | 0.37   | 0.62    | 3300000 | 3750000  |
| 55.897189620 | -5.655384916 | 0.20  | 0.07  | -0.45 | 0.26   | 0.29   | 0.46    | 3350000 | 3750000  |
| 55.992019390 | -4.871746506 | 0.19  | 0.03  | 0.05  | 0.30   | 0.32   | 0.51    | 3400000 | 3750000  |
| 56.082049780 | -4.084670146 | 0.17  | -0.03 | 0.42  | 0.30   | 0.31   | 0.51    | 3450000 | 3750000  |
| 56.167247670 | -3.294308098 | 0.20  | 0.00  | 0.33  | 0.27   | 0.29   | 0.48    | 3500000 | 3750000  |
| 56.247581390 | -2.500817917 | 0.25  | 0.02  | 0.05  | 0.30   | 0.34   | 0.56    | 3550000 | 3750000  |
| 56.323020750 | -1.704362277 | 0.19  | -0.01 | -0.24 | 0.38   | 0.39   | 0.68    | 3600000 | 3750000  |
| 56.822871300 | 7.201411334  | -0.34 | -0.60 | -0.08 | 0.38   | 0.38   | 0.67    | 4150000 | 3750000  |
| 56.837847620 | 8.019226138  | -0.39 | -0.66 | 0.21  | 0.32   | 0.32   | 0.54    | 4200000 | 3750000  |
| 56.847698290 | 8.837540065  | -0.37 | -0.67 | 0.39  | 0.33   | 0.33   | 0.55    | 4250000 | 3750000  |
| 56.852419310 | 9.656147211  | -0.30 | -0.66 | 0.45  | 0.17   | 0.17   | 0.29    | 4300000 | 3750000  |
| 56.852008770 | 10.474841130 | -0.40 | -0.62 | 0.63  | 0.32   | 0.32   | 0.54    | 4350000 | 3750000  |
| 56.846466810 | 11.293415230 | -0.45 | -0.52 | 0.86  | 0.35   | 0.35   | 0.61    | 4400000 | 3750000  |
| 56.835795710 | 12.111663110 | -0.51 | -0.39 | 1.08  | 0.32   | 0.33   | 0.57    | 4450000 | 3750000  |
| 56.819999810 | 12.929379000 | -0.57 | -0.38 | 1.28  | 0.36   | 0.36   | 0.62    | 4500000 | 3750000  |
| 56.799085510 | 13.746358100 | -0.64 | -0.38 | 1.41  | 0.37   | 0.38   | 0.64    | 4550000 | 3750000  |
| 56.773061280 | 14.562396940 | -0.70 | -0.34 | 1.45  | 0.38   | 0.38   | 0.64    | 4600000 | 3750000  |
| 56.741937650 | 15.377293780 | -0.73 | -0.27 | 1.42  | 0.34   | 0.34   | 0.57    | 4650000 | 3750000  |
| 56.705727130 | 16.190848950 | -0.68 | -0.21 | 1.30  | 0.33   | 0.33   | 0.55    | 4700000 | 3750000  |
| 56.664444230 | 17.002865210 | -0.55 | -0.23 | 1.13  | 0.37   | 0.37   | 0.65    | 4750000 | 3750000  |
| 56.618105430 | 17.813148060 | -0.53 | -0.23 | 0.99  | 0.40   | 0.40   | 0.71    | 4800000 | 3750000  |
| 56.566729090 | 18.621506110 | -0.54 | -0.22 | 0.87  | 0.42   | 0.42   | 0.74    | 4850000 | 3750000  |
| 56.448946640 | 20.231699530 | -0.54 | -0.31 | 0.63  | 0.36   | 0.37   | 0.66    | 4950000 | 3750000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 56.382586480 | 21.033170300 | -0.46 | -0.34 | 0.42  | 0.25   | 0.26   | 0.50    | 5000000 | 3750000  |
| 56.311280550 | 21.831987610 | -0.22 | -0.13 | -0.02 | 0.24   | 0.24   | 0.40    | 5050000 | 3750000  |
| 56.235056130 | 22.627979910 | -0.30 | -0.10 | -0.27 | 0.26   | 0.26   | 0.43    | 5100000 | 3750000  |
| 56.153942070 | 23.420980390 | -0.34 | -0.27 | -0.34 | 0.24   | 0.24   | 0.40    | 5150000 | 3750000  |
| 56.067968820 | 24.210827180 | -0.19 | -0.26 | -0.44 | 0.27   | 0.27   | 0.44    | 5200000 | 3750000  |
| 55.977168260 | 24.997363560 | -0.22 | -0.15 | -0.53 | 0.27   | 0.27   | 0.46    | 5250000 | 3750000  |
| 55.881573760 | 25.780438130 | -0.37 | -0.10 | -0.70 | 0.25   | 0.25   | 0.42    | 5300000 | 3750000  |
| 55.781220000 | 26.559904970 | -0.36 | -0.18 | -0.91 | 0.23   | 0.23   | 0.40    | 5350000 | 3750000  |
| 55.676142960 | 27.335623780 | -0.26 | -0.21 | -0.96 | 0.31   | 0.31   | 0.53    | 5400000 | 3750000  |
| 55.566379860 | 28.107459970 | -0.21 | -0.26 | -1.10 | 0.30   | 0.30   | 0.51    | 5450000 | 3750000  |
| 55.451969050 | 28.875284810 | -0.15 | -0.29 | -1.23 | 0.25   | 0.25   | 0.43    | 5500000 | 3750000  |
| 54.921900850 | -9.303253476 | 0.25  | -0.13 | -0.53 | 0.40   | 0.40   | 0.72    | 3100000 | 3700000  |
| 55.038744380 | -8.546290748 | 0.37  | -0.15 | -0.46 | 0.36   | 0.37   | 0.64    | 3150000 | 3700000  |
| 55.151020310 | -7.785367374 | 0.49  | -0.23 | -0.27 | 0.31   | 0.32   | 0.54    | 3200000 | 3700000  |
| 55.258690860 | -7.020603710 | 0.41  | -0.25 | -0.23 | 0.31   | 0.31   | 0.52    | 3250000 | 3700000  |
| 55.361719330 | -6.252125673 | 0.26  | -0.14 | -0.30 | 0.34   | 0.35   | 0.58    | 3300000 | 3700000  |
| 55.460070140 | -5.480064662 | 0.25  | -0.04 | -0.16 | 0.32   | 0.34   | 0.55    | 3350000 | 3700000  |
| 55.553708920 | -4.704557454 | 0.23  | 0.00  | 0.16  | 0.30   | 0.32   | 0.52    | 3400000 | 3700000  |
| 55.642602540 | -3.925746087 | 0.16  | 0.00  | 0.48  | 0.25   | 0.26   | 0.44    | 3450000 | 3700000  |
| 55.726719220 | -3.143777727 | 0.16  | -0.01 | 0.19  | 0.25   | 0.26   | 0.43    | 3500000 | 3700000  |
| 55.806028540 | -2.358804509 | 0.24  | -0.04 | -0.26 | 0.28   | 0.31   | 0.52    | 3550000 | 3700000  |
| 55.880501550 | -1.570983373 | 0.17  | -0.03 | -0.40 | 0.37   | 0.38   | 0.65    | 3600000 | 3700000  |
| 56.373840260 | 7.233971979  | -0.32 | -0.55 | -0.41 | 0.37   | 0.37   | 0.65    | 4150000 | 3700000  |
| 56.388618500 | 8.042286233  | -0.40 | -0.62 | -0.10 | 0.24   | 0.24   | 0.40    | 4200000 | 3700000  |
| 56.398338790 | 8.851078964  | -0.36 | -0.63 | 0.04  | 0.33   | 0.33   | 0.55    | 4250000 | 3700000  |
| 56.402997300 | 9.660152776  | -0.32 | -0.59 | 0.28  | 0.34   | 0.34   | 0.56    | 4300000 | 3700000  |
| 56.402592190 | 10.469309770 | -0.35 | -0.53 | 0.38  | 0.35   | 0.35   | 0.59    | 4350000 | 3700000  |
| 56.397123620 | 11.278351900 | -0.41 | -0.46 | 0.46  | 0.34   | 0.34   | 0.58    | 4400000 | 3700000  |
| 56.386593750 | 12.087081320 | -0.46 | -0.38 | 0.59  | 0.35   | 0.35   | 0.60    | 4450000 | 3700000  |
| 56.371006730 | 12.895300750 | -0.54 | -0.39 | 0.75  | 0.35   | 0.35   | 0.59    | 4500000 | 3700000  |
| 56.350368700 | 13.702813820 | -0.63 | -0.41 | 0.87  | 0.30   | 0.30   | 0.50    | 4550000 | 3700000  |
| 56.324687770 | 14.509425420 | -0.66 | -0.37 | 0.95  | 0.34   | 0.34   | 0.58    | 4600000 | 3700000  |
| 56.293974010 | 15.314942040 | -0.68 | -0.31 | 0.98  | 0.29   | 0.30   | 0.50    | 4650000 | 3700000  |
| 56.258239410 | 16.119172100 | -0.63 | -0.28 | 0.90  | 0.33   | 0.33   | 0.56    | 4700000 | 3700000  |
| 56.217497860 | 16.921926290 | -0.53 | -0.26 | 0.75  | 0.39   | 0.39   | 0.69    | 4750000 | 3700000  |
| 56.004804880 | 20.114494830 | -0.45 | -0.29 | 0.24  | 0.38   | 0.38   | 0.67    | 4950000 | 3700000  |
| 55.939301260 | 20.907130800 | -0.39 | -0.30 | 0.15  | 0.28   | 0.28   | 0.50    | 5000000 | 3700000  |
| 55.868912020 | 21.697219530 | -0.26 | -0.17 | -0.12 | 0.25   | 0.25   | 0.43    | 5050000 | 3700000  |
| 55.793663320 | 22.484595740 | -0.32 | -0.14 | -0.40 | 0.26   | 0.26   | 0.43    | 5100000 | 3700000  |
| 55.713582830 | 23.269098600 | -0.36 | -0.27 | -0.55 | 0.26   | 0.26   | 0.43    | 5150000 | 3700000  |
| 55.628699760 | 24.050571940 | -0.19 | -0.35 | -0.69 | 0.27   | 0.27   | 0.45    | 5200000 | 3700000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 55.539044740 | 24.828864400  | -0.20 | -0.26 | -0.75 | 0.28   | 0.28   | 0.47    | 5250000 | 3700000  |
| 55.444649780 | 25.603829630  | -0.31 | -0.13 | -0.92 | 0.23   | 0.23   | 0.39    | 5300000 | 3700000  |
| 55.345548200 | 26.375326410  | -0.20 | -0.18 | -1.16 | 0.23   | 0.22   | 0.39    | 5350000 | 3700000  |
| 55.241774580 | 27.143218840  | -0.10 | -0.26 | -1.32 | 0.27   | 0.27   | 0.47    | 5400000 | 3700000  |
| 55.133364670 | 27.907376380  | -0.16 | -0.32 | -1.41 | 0.35   | 0.35   | 0.60    | 5450000 | 3700000  |
| 54.246745070 | -10.582380470 | 0.13  | -0.15 | -0.59 | 0.42   | 0.42   | 0.76    | 3000000 | 3650000  |
| 54.371113680 | -9.840618207  | 0.20  | -0.21 | -0.51 | 0.39   | 0.39   | 0.68    | 3050000 | 3650000  |
| 54.491036410 | -9.094824346  | 0.30  | -0.20 | -0.42 | 0.34   | 0.35   | 0.60    | 3100000 | 3650000  |
| 54.606475030 | -8.345105231  | 0.46  | -0.17 | -0.36 | 0.24   | 0.28   | 0.46    | 3150000 | 3650000  |
| 54.717392240 | -7.591572561  | 0.46  | -0.21 | -0.02 | 0.24   | 0.25   | 0.42    | 3200000 | 3650000  |
| 54.823751700 | -6.834343349  | 0.33  | -0.29 | 0.03  | 0.23   | 0.24   | 0.40    | 3250000 | 3650000  |
| 54.925518110 | -6.073539855  | 0.24  | -0.22 | -0.13 | 0.29   | 0.29   | 0.48    | 3300000 | 3650000  |
| 55.022657250 | -5.309289503  | 0.24  | -0.09 | -0.01 | 0.29   | 0.30   | 0.50    | 3350000 | 3650000  |
| 55.115136090 | -4.541724784  | 0.22  | -0.02 | 0.23  | 0.25   | 0.27   | 0.44    | 3400000 | 3650000  |
| 55.202922800 | -3.770983142  | 0.11  | 0.01  | 0.39  | 0.29   | 0.30   | 0.49    | 3450000 | 3650000  |
| 55.285986860 | -2.997206838  | 0.11  | 0.03  | 0.20  | 0.22   | 0.24   | 0.39    | 3500000 | 3650000  |
| 55.364299060 | -2.220542809  | 0.18  | -0.04 | -0.36 | 0.27   | 0.28   | 0.46    | 3550000 | 3650000  |
| 55.437831600 | -1.441142501  | 0.13  | -0.03 | -0.51 | 0.30   | 0.30   | 0.51    | 3600000 | 3650000  |
| 55.924836950 | 7.265644987   | -0.27 | -0.46 | -0.82 | 0.39   | 0.39   | 0.68    | 4150000 | 3650000  |
| 55.939422650 | 8.064717166   | -0.31 | -0.51 | -0.58 | 0.34   | 0.34   | 0.59    | 4200000 | 3650000  |
| 55.949016220 | 8.864248272   | -0.30 | -0.53 | -0.33 | 0.33   | 0.33   | 0.55    | 4250000 | 3650000  |
| 55.953613960 | 9.664048966   | -0.27 | -0.53 | -0.03 | 0.32   | 0.32   | 0.54    | 4300000 | 3650000  |
| 55.953214140 | 10.463929440  | -0.30 | -0.46 | 0.11  | 0.34   | 0.34   | 0.57    | 4350000 | 3650000  |
| 55.947816890 | 11.263699750  | -0.35 | -0.37 | 0.08  | 0.17   | 0.17   | 0.30    | 4400000 | 3650000  |
| 55.937424290 | 12.063170130  | -0.40 | -0.34 | 0.22  | 0.30   | 0.30   | 0.50    | 4450000 | 3650000  |
| 55.922040320 | 12.862151360  | -0.49 | -0.37 | 0.33  | 0.26   | 0.27   | 0.46    | 4500000 | 3650000  |
| 55.901670840 | 13.660455060  | -0.56 | -0.43 | 0.43  | 0.25   | 0.25   | 0.41    | 4550000 | 3650000  |
| 55.876323650 | 14.457894010  | -0.56 | -0.40 | 0.57  | 0.31   | 0.31   | 0.53    | 4600000 | 3650000  |
| 55.846008360 | 15.254282520  | -0.56 | -0.36 | 0.63  | 0.31   | 0.31   | 0.52    | 4650000 | 3650000  |
| 55.810736470 | 16.049436680  | -0.52 | -0.33 | 0.54  | 0.34   | 0.35   | 0.59    | 4700000 | 3650000  |
| 55.770521300 | 16.843174710  | -0.42 | -0.31 | 0.40  | 0.40   | 0.40   | 0.70    | 4750000 | 3650000  |
| 55.560556170 | 20.000420460  | -0.38 | -0.29 | -0.16 | 0.39   | 0.39   | 0.68    | 4950000 | 3650000  |
| 55.495885910 | 20.784445490  | -0.37 | -0.27 | -0.19 | 0.31   | 0.31   | 0.55    | 5000000 | 3650000  |
| 55.426388690 | 21.566024060  | -0.29 | -0.13 | -0.28 | 0.23   | 0.23   | 0.42    | 5050000 | 3650000  |
| 55.352089590 | 22.344996920  | -0.33 | -0.13 | -0.60 | 0.31   | 0.31   | 0.51    | 5100000 | 3650000  |
| 55.273015190 | 23.121208970  | -0.36 | -0.18 | -0.71 | 0.29   | 0.29   | 0.48    | 5150000 | 3650000  |
| 55.189193510 | 23.894509490  | -0.28 | -0.30 | -0.84 | 0.24   | 0.24   | 0.40    | 5200000 | 3650000  |
| 55.100653970 | 24.664752260  | -0.24 | -0.28 | -0.90 | 0.25   | 0.25   | 0.42    | 5250000 | 3650000  |
| 55.007427310 | 25.431795790  | -0.27 | -0.28 | -1.02 | 0.28   | 0.28   | 0.47    | 5300000 | 3650000  |
| 54.909545560 | 26.195503410  | -0.21 | -0.32 | -1.28 | 0.30   | 0.30   | 0.50    | 5350000 | 3650000  |
| 54.807041940 | 26.955743450  | -0.16 | -0.36 | -1.53 | 0.32   | 0.32   | 0.55    | 5400000 | 3650000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 54.699950840 | 27.712389300  | -0.24 | -0.40 | -1.66 | 0.37   | 0.37   | 0.64    | 5450000 | 3650000  |
| 53.691020740 | -11.096365070 | 0.10  | -0.11 | -0.63 | 0.43   | 0.43   | 0.80    | 2950000 | 3600000  |
| 53.818298410 | -10.365391430 | 0.16  | -0.20 | -0.59 | 0.40   | 0.40   | 0.71    | 3000000 | 3600000  |
| 53.941210390 | -9.630433574  | 0.25  | -0.34 | -0.48 | 0.29   | 0.29   | 0.49    | 3050000 | 3600000  |
| 54.059719050 | -8.891590067  | 0.39  | -0.33 | -0.33 | 0.27   | 0.28   | 0.46    | 3100000 | 3600000  |
| 54.173787570 | -8.148964572  | 0.57  | -0.30 | -0.14 | 0.23   | 0.26   | 0.43    | 3150000 | 3600000  |
| 54.283380020 | -7.402665822  | 0.41  | -0.31 | 0.01  | 0.27   | 0.28   | 0.46    | 3200000 | 3600000  |
| 54.388461440 | -6.652807572  | 0.20  | -0.32 | 0.03  | 0.25   | 0.26   | 0.42    | 3250000 | 3600000  |
| 54.488997860 | -5.899508527  | 0.18  | -0.24 | -0.16 | 0.22   | 0.23   | 0.39    | 3300000 | 3600000  |
| 54.584956370 | -5.142892261  | 0.16  | -0.11 | -0.03 | 0.31   | 0.31   | 0.53    | 3350000 | 3600000  |
| 54.676305200 | -4.383087125  | 0.10  | -0.05 | 0.16  | 0.29   | 0.30   | 0.52    | 3400000 | 3600000  |
| 54.763013780 | -3.620226133  | 0.02  | -0.04 | 0.20  | 0.29   | 0.31   | 0.52    | 3450000 | 3600000  |
| 54.845052760 | -2.854446833  | 0.04  | 0.02  | -0.08 | 0.24   | 0.26   | 0.42    | 3500000 | 3600000  |
| 54.922394090 | -2.085891171  | 0.09  | 0.01  | -0.50 | 0.26   | 0.27   | 0.44    | 3550000 | 3600000  |
| 54.995011090 | -1.314705327  | 0.08  | 0.00  | -0.61 | 0.31   | 0.31   | 0.51    | 3600000 | 3600000  |
| 55.062878460 | -0.541039553  | 0.06  | 0.01  | -0.70 | 0.39   | 0.39   | 0.68    | 3650000 | 3600000  |
| 55.475854670 | 7.296465343   | -0.19 | -0.37 | -1.25 | 0.38   | 0.38   | 0.67    | 4150000 | 3600000  |
| 55.490253150 | 8.086543763   | -0.23 | -0.43 | -1.05 | 0.29   | 0.29   | 0.53    | 4200000 | 3600000  |
| 55.499723490 | 8.877062584   | -0.24 | -0.48 | -0.80 | 0.27   | 0.27   | 0.47    | 4250000 | 3600000  |
| 55.504262160 | 9.667840104   | -0.21 | -0.49 | -0.43 | 0.25   | 0.25   | 0.41    | 4300000 | 3600000  |
| 55.503867470 | 10.458694180  | -0.26 | -0.42 | -0.06 | 0.34   | 0.34   | 0.57    | 4350000 | 3600000  |
| 55.498539570 | 11.249442540  | -0.30 | -0.35 | -0.11 | 0.34   | 0.34   | 0.57    | 4400000 | 3600000  |
| 55.488280450 | 12.039903090  | -0.35 | -0.33 | -0.10 | 0.32   | 0.32   | 0.55    | 4450000 | 3600000  |
| 55.473093910 | 12.829894230  | -0.39 | -0.32 | -0.02 | 0.21   | 0.21   | 0.41    | 4500000 | 3600000  |
| 55.452985590 | 13.619235150  | -0.43 | -0.41 | 0.05  | 0.25   | 0.25   | 0.48    | 4550000 | 3600000  |
| 55.427962920 | 14.407746150  | -0.41 | -0.42 | 0.26  | 0.22   | 0.22   | 0.42    | 4600000 | 3600000  |
| 55.398035160 | 15.195248920  | -0.39 | -0.41 | 0.34  | 0.30   | 0.30   | 0.52    | 4650000 | 3600000  |
| 55.363213310 | 15.981566840  | -0.39 | -0.40 | 0.19  | 0.38   | 0.37   | 0.65    | 4700000 | 3600000  |
| 55.278940120 | 17.549951900  | -0.17 | -0.30 | -0.06 | 0.38   | 0.38   | 0.68    | 4800000 | 3600000  |
| 55.229519440 | 18.331676830  | -0.15 | -0.20 | -0.23 | 0.36   | 0.36   | 0.65    | 4850000 | 3600000  |
| 55.175265930 | 19.111533020  | -0.27 | -0.25 | -0.46 | 0.37   | 0.37   | 0.67    | 4900000 | 3600000  |
| 55.116199060 | 19.889356460  | -0.34 | -0.35 | -0.64 | 0.38   | 0.38   | 0.68    | 4950000 | 3600000  |
| 55.052339860 | 20.664986420  | -0.34 | -0.33 | -0.69 | 0.36   | 0.36   | 0.64    | 5000000 | 3600000  |
| 54.983710900 | 21.438265670  | -0.31 | -0.26 | -0.72 | 0.34   | 0.33   | 0.59    | 5050000 | 3600000  |
| 54.910336280 | 22.209040670  | -0.33 | -0.19 | -0.84 | 0.33   | 0.33   | 0.56    | 5100000 | 3600000  |
| 54.832241490 | 22.977161830  | -0.37 | -0.18 | -0.92 | 0.25   | 0.25   | 0.43    | 5150000 | 3600000  |
| 54.749453460 | 23.742483630  | -0.36 | -0.34 | -1.14 | 0.26   | 0.26   | 0.44    | 5200000 | 3600000  |
| 54.662000430 | 24.504864810  | -0.33 | -0.40 | -1.25 | 0.25   | 0.25   | 0.42    | 5250000 | 3600000  |
| 54.569911960 | 25.264168550  | -0.33 | -0.47 | -1.35 | 0.21   | 0.21   | 0.36    | 5300000 | 3600000  |
| 54.473218820 | 26.020262560  | -0.03 | -0.14 | -0.59 | 0.32   | 0.32   | 0.54    | 5350000 | 3600000  |
| 54.371952970 | 26.773019260  | -0.01 | -0.11 | -0.54 | 0.36   | 0.36   | 0.61    | 5400000 | 3600000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 53.263524110 | -10.878133020 | 0.11  | -0.11 | -0.63 | 0.43   | 0.43   | 0.79    | 2950000 | 3550000  |
| 53.389339770 | -10.153688760 | 0.19  | -0.18 | -0.66 | 0.39   | 0.39   | 0.68    | 3000000 | 3550000  |
| 53.510830240 | -9.425402053  | 0.33  | -0.29 | -0.69 | 0.29   | 0.30   | 0.49    | 3050000 | 3550000  |
| 53.627959240 | -8.693369109  | 0.48  | -0.34 | -0.51 | 0.30   | 0.31   | 0.50    | 3100000 | 3550000  |
| 53.740691290 | -7.957690964  | 0.62  | -0.39 | -0.24 | 0.27   | 0.30   | 0.50    | 3150000 | 3550000  |
| 53.848991800 | -7.218473453  | 0.41  | -0.37 | -0.22 | 0.26   | 0.28   | 0.46    | 3200000 | 3550000  |
| 53.952827100 | -6.475827152  | 0.17  | -0.26 | -0.25 | 0.29   | 0.30   | 0.49    | 3250000 | 3550000  |
| 54.052164480 | -5.729867314  | 0.12  | -0.16 | -0.29 | 0.32   | 0.33   | 0.56    | 3300000 | 3550000  |
| 54.146972300 | -4.980713788  | 0.12  | -0.08 | -0.20 | 0.31   | 0.32   | 0.56    | 3350000 | 3550000  |
| 54.237220010 | -4.228490924  | 0.06  | -0.07 | -0.07 | 0.28   | 0.29   | 0.55    | 3400000 | 3550000  |
| 54.322878190 | -3.473327466  | -0.02 | -0.07 | -0.08 | 0.29   | 0.32   | 0.54    | 3450000 | 3550000  |
| 54.403918630 | -2.715356432  | 0.00  | 0.02  | -0.38 | 0.30   | 0.31   | 0.52    | 3500000 | 3550000  |
| 54.480314400 | -1.954714974  | 0.05  | 0.07  | -0.67 | 0.24   | 0.26   | 0.42    | 3550000 | 3550000  |
| 54.552039840 | -1.191544229  | 0.07  | 0.04  | -0.74 | 0.31   | 0.32   | 0.53    | 3600000 | 3550000  |
| 54.619070680 | -0.425989160  | 0.04  | 0.03  | -0.81 | 0.38   | 0.38   | 0.66    | 3650000 | 3550000  |
| 54.681384010 | 0.341801629   | 0.01  | 0.03  | -0.87 | 0.41   | 0.42   | 0.75    | 3700000 | 3550000  |
| 55.041103080 | 8.107789552   | -0.08 | -0.47 | -1.47 | 0.27   | 0.28   | 0.53    | 4200000 | 3550000  |
| 55.050453560 | 8.889535731   | -0.15 | -0.60 | -1.31 | 0.26   | 0.26   | 0.47    | 4250000 | 3550000  |
| 55.054934760 | 9.671530282   | -0.20 | -0.49 | -0.64 | 0.26   | 0.26   | 0.46    | 4300000 | 3550000  |
| 55.054545070 | 10.453598330  | -0.23 | -0.38 | -0.25 | 0.31   | 0.31   | 0.53    | 4350000 | 3550000  |
| 55.049284630 | 11.235564890  | -0.28 | -0.36 | -0.28 | 0.35   | 0.35   | 0.59    | 4400000 | 3550000  |
| 55.039155330 | 12.017255120  | -0.32 | -0.34 | -0.38 | 0.34   | 0.34   | 0.58    | 4450000 | 3550000  |
| 55.024160840 | 12.798494670  | -0.36 | -0.34 | -0.49 | 0.32   | 0.32   | 0.56    | 4500000 | 3550000  |
| 55.004306550 | 13.579109910  | -0.38 | -0.36 | -0.44 | 0.31   | 0.31   | 0.55    | 4550000 | 3550000  |
| 54.979599590 | 14.358928240  | -0.37 | -0.42 | -0.24 | 0.31   | 0.31   | 0.54    | 4600000 | 3550000  |
| 54.950048830 | 15.137778390  | -0.36 | -0.47 | -0.11 | 0.33   | 0.33   | 0.58    | 4650000 | 3550000  |
| 54.915664830 | 15.915490660  | -0.34 | -0.51 | -0.19 | 0.37   | 0.37   | 0.64    | 4700000 | 3550000  |
| 54.876459820 | 16.691897220  | -0.22 | -0.50 | -0.29 | 0.36   | 0.35   | 0.63    | 4750000 | 3550000  |
| 54.832447700 | 17.466832340  | 0.04  | -0.40 | -0.36 | 0.28   | 0.27   | 0.54    | 4800000 | 3550000  |
| 54.783643980 | 18.240132680  | -0.01 | -0.16 | -0.56 | 0.20   | 0.19   | 0.44    | 4850000 | 3550000  |
| 54.730065790 | 19.011637490  | -0.28 | -0.29 | -0.94 | 0.29   | 0.29   | 0.54    | 4900000 | 3550000  |
| 54.671731790 | 19.781188910  | -0.40 | -0.53 | -1.20 | 0.33   | 0.33   | 0.61    | 4950000 | 3550000  |
| 54.608662180 | 20.548632120  | -0.39 | -0.53 | -1.22 | 0.35   | 0.34   | 0.62    | 5000000 | 3550000  |
| 54.540878640 | 21.313815590  | -0.32 | -0.42 | -1.15 | 0.34   | 0.33   | 0.60    | 5050000 | 3550000  |
| 54.468404270 | 22.076591290  | -0.02 | -0.03 | -0.26 | 0.32   | 0.32   | 0.56    | 5100000 | 3550000  |
| 54.391263600 | 22.836814860  | -0.08 | -0.08 | -0.44 | 0.24   | 0.24   | 0.43    | 5150000 | 3550000  |
| 54.309482470 | 23.594345800  | -0.15 | -0.27 | -0.80 | 0.26   | 0.26   | 0.44    | 5200000 | 3550000  |
| 54.223088040 | 24.349047590  | -0.15 | -0.28 | -1.01 | 0.24   | 0.24   | 0.40    | 5250000 | 3550000  |
| 54.132108710 | 25.100787900  | -0.20 | -0.26 | -1.02 | 0.24   | 0.24   | 0.41    | 5300000 | 3550000  |
| 54.036574080 | 25.849438670  | -0.17 | -0.21 | -0.88 | 0.31   | 0.31   | 0.52    | 5350000 | 3550000  |
| 53.936514870 | 26.594876280  | -0.13 | -0.16 | -0.70 | 0.36   | 0.36   | 0.61    | 5400000 | 3550000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 52.835492800 | -10.665131900 | 0.10  | -0.09 | -0.59 | 0.43   | 0.43   | 0.79    | 2950000 | 3500000  |
| 52.959881080 | -9.947092905  | 0.17  | -0.14 | -0.64 | 0.39   | 0.39   | 0.69    | 3000000 | 3500000  |
| 53.079984020 | -9.225347028  | 0.29  | -0.17 | -0.79 | 0.28   | 0.30   | 0.50    | 3050000 | 3500000  |
| 53.195766640 | -8.499988150  | 0.34  | -0.22 | -0.66 | 0.31   | 0.32   | 0.53    | 3100000 | 3500000  |
| 53.307194750 | -7.771114731  | 0.33  | -0.25 | -0.50 | 0.35   | 0.36   | 0.61    | 3150000 | 3500000  |
| 53.414235020 | -7.038829772  | 0.21  | -0.18 | -0.56 | 0.33   | 0.33   | 0.55    | 3200000 | 3500000  |
| 53.516855020 | -6.303240756  | 0.05  | -0.05 | -0.69 | 0.21   | 0.22   | 0.37    | 3250000 | 3500000  |
| 53.615023270 | -5.564459585  | 0.09  | -0.05 | -0.61 | 0.33   | 0.33   | 0.56    | 3300000 | 3500000  |
| 53.708709310 | -4.822602499  | 0.15  | -0.02 | -0.51 | 0.31   | 0.32   | 0.56    | 3350000 | 3500000  |
| 53.797883740 | -4.077789987  | 0.13  | -0.04 | -0.47 | 0.32   | 0.33   | 0.58    | 3400000 | 3500000  |
| 53.882518260 | -3.330146680  | 0.05  | -0.04 | -0.50 | 0.34   | 0.35   | 0.59    | 3450000 | 3500000  |
| 53.962585770 | -2.579801235  | -0.03 | 0.05  | -0.62 | 0.29   | 0.30   | 0.50    | 3500000 | 3500000  |
| 54.038060360 | -1.826886203  | -0.02 | 0.14  | -0.75 | 0.26   | 0.27   | 0.45    | 3550000 | 3500000  |
| 54.108917370 | -1.071537887  | 0.06  | 0.06  | -0.80 | 0.21   | 0.24   | 0.39    | 3600000 | 3500000  |
| 54.175133470 | -0.313896185  | 0.02  | 0.04  | -0.96 | 0.33   | 0.34   | 0.57    | 3650000 | 3500000  |
| 54.236686670 | 0.445895575   | -0.04 | 0.06  | -1.02 | 0.39   | 0.39   | 0.68    | 3700000 | 3500000  |
| 54.577926330 | 7.355679016   | -0.08 | -0.34 | -1.80 | 0.35   | 0.35   | 0.63    | 4150000 | 3500000  |
| 54.591965520 | 8.128476840   | -0.06 | -0.55 | -1.67 | 0.27   | 0.28   | 0.52    | 4200000 | 3500000  |
| 54.601199380 | 8.901680825   | -0.13 | -0.69 | -1.64 | 0.26   | 0.26   | 0.48    | 4250000 | 3500000  |
| 54.605624670 | 9.675123382   | -0.21 | -0.53 | -1.12 | 0.28   | 0.28   | 0.49    | 4300000 | 3500000  |
| 54.605239850 | 10.448636540  | -0.23 | -0.38 | -0.69 | 0.28   | 0.28   | 0.50    | 4350000 | 3500000  |
| 54.600045030 | 11.222052210  | -0.26 | -0.36 | -0.59 | 0.26   | 0.26   | 0.47    | 4400000 | 3500000  |
| 54.590042060 | 11.995202450  | -0.33 | -0.42 | -0.81 | 0.23   | 0.23   | 0.43    | 4450000 | 3500000  |
| 54.575234430 | 12.767919780  | -0.36 | -0.40 | -1.06 | 0.29   | 0.29   | 0.52    | 4500000 | 3500000  |
| 54.555627320 | 13.540037380  | -0.38 | -0.37 | -1.05 | 0.21   | 0.21   | 0.44    | 4550000 | 3500000  |
| 54.531227580 | 14.311389420  | -0.42 | -0.47 | -0.81 | 0.32   | 0.32   | 0.56    | 4600000 | 3500000  |
| 54.502043700 | 15.081811300  | -0.43 | -0.57 | -0.61 | 0.34   | 0.34   | 0.61    | 4650000 | 3500000  |
| 54.468085820 | 15.851139880  | 0.01  | -0.34 | -0.01 | 0.32   | 0.31   | 0.58    | 4700000 | 3500000  |
| 54.429365670 | 16.619213800  | 0.09  | -0.33 | -0.11 | 0.29   | 0.29   | 0.53    | 4750000 | 3500000  |
| 54.385896600 | 17.385873650  | 0.14  | -0.27 | -0.27 | 0.24   | 0.24   | 0.46    | 4800000 | 3500000  |
| 54.337693490 | 18.150962260  | -0.01 | -0.14 | -0.48 | 0.23   | 0.23   | 0.43    | 4850000 | 3500000  |
| 54.284772770 | 18.914324920  | -0.10 | -0.20 | -0.71 | 0.25   | 0.24   | 0.45    | 4900000 | 3500000  |
| 54.227152370 | 19.675809590  | -0.14 | -0.37 | -0.86 | 0.26   | 0.26   | 0.50    | 4950000 | 3500000  |
| 54.164851680 | 20.435267110  | -0.11 | -0.36 | -0.76 | 0.27   | 0.26   | 0.51    | 5000000 | 3500000  |
| 54.097891520 | 21.192551410  | -0.05 | -0.19 | -0.54 | 0.26   | 0.25   | 0.50    | 5050000 | 3500000  |
| 54.026294100 | 21.947519710  | -0.07 | -0.15 | -0.55 | 0.27   | 0.26   | 0.50    | 5100000 | 3500000  |
| 53.950082960 | 22.700032670  | -0.17 | -0.34 | -0.80 | 0.26   | 0.26   | 0.47    | 5150000 | 3500000  |
| 53.869282950 | 23.449954580  | -0.21 | -0.42 | -1.00 | 0.28   | 0.28   | 0.49    | 5200000 | 3500000  |
| 53.783920190 | 24.197153510  | -0.21 | -0.35 | -1.08 | 0.32   | 0.32   | 0.54    | 5250000 | 3500000  |
| 53.694021970 | 24.941501420  | -0.23 | -0.27 | -1.09 | 0.31   | 0.31   | 0.52    | 5300000 | 3500000  |
| 53.599616770 | 25.682874350  | -0.20 | -0.21 | -0.97 | 0.34   | 0.34   | 0.59    | 5350000 | 3500000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 52.279732870 | -11.165278250 | 0.05  | -0.05 | -0.53 | 0.44   | 0.44   | 0.83    | 2900000 | 3450000  |
| 52.406938960 | -10.457187440 | 0.08  | -0.08 | -0.48 | 0.43   | 0.43   | 0.79    | 2950000 | 3450000  |
| 52.529933390 | -9.745432180  | 0.11  | -0.11 | -0.45 | 0.39   | 0.40   | 0.70    | 3000000 | 3450000  |
| 52.648681690 | -9.030099714  | 0.11  | -0.13 | -0.46 | 0.30   | 0.32   | 0.53    | 3050000 | 3450000  |
| 52.763150130 | -8.311281635  | 0.11  | -0.16 | -0.48 | 0.26   | 0.28   | 0.47    | 3100000 | 3450000  |
| 52.873305750 | -7.589073879  | 0.14  | -0.19 | -0.50 | 0.35   | 0.36   | 0.60    | 3150000 | 3450000  |
| 52.979116440 | -6.863576677  | 0.09  | -0.13 | -0.68 | 0.33   | 0.34   | 0.56    | 3200000 | 3450000  |
| 53.080550930 | -6.134894504  | 0.04  | -0.04 | -0.88 | 0.29   | 0.30   | 0.49    | 3250000 | 3450000  |
| 53.177578920 | -5.403136008  | 0.09  | -0.04 | -0.88 | 0.33   | 0.33   | 0.55    | 3300000 | 3450000  |
| 53.270171090 | -4.668413939  | 0.19  | 0.02  | -0.84 | 0.22   | 0.23   | 0.43    | 3350000 | 3450000  |
| 53.358299120 | -3.930845056  | 0.21  | -0.06 | -0.87 | 0.28   | 0.28   | 0.51    | 3400000 | 3450000  |
| 53.441935810 | -3.190550026  | 0.13  | -0.10 | -0.85 | 0.29   | 0.30   | 0.52    | 3450000 | 3450000  |
| 53.521055070 | -2.447653313  | -0.03 | 0.01  | -0.75 | 0.23   | 0.24   | 0.43    | 3500000 | 3450000  |
| 53.595631980 | -1.702283049  | -0.07 | 0.13  | -0.80 | 0.27   | 0.28   | 0.46    | 3550000 | 3450000  |
| 53.665642840 | -0.954570901  | 0.02  | 0.07  | -0.97 | 0.28   | 0.29   | 0.48    | 3600000 | 3450000  |
| 53.731065230 | -0.204651920  | -0.03 | 0.06  | -1.17 | 0.23   | 0.25   | 0.41    | 3650000 | 3450000  |
| 53.791878010 | 0.547335618   | -0.11 | 0.11  | -1.20 | 0.32   | 0.33   | 0.56    | 3700000 | 3450000  |
| 54.110358440 | 6.620191213   | 0.00  | 0.09  | -1.41 | 0.30   | 0.30   | 0.57    | 4100000 | 3450000  |
| 54.128966830 | 7.384133619   | 0.01  | -0.11 | -1.10 | 0.30   | 0.30   | 0.54    | 4150000 | 3450000  |
| 54.142833560 | 8.148626801   | 0.06  | -0.26 | -0.72 | 0.25   | 0.25   | 0.46    | 4200000 | 3450000  |
| 54.151953920 | 8.913510311   | 0.04  | -0.40 | -0.95 | 0.25   | 0.25   | 0.48    | 4250000 | 3450000  |
| 54.156324790 | 9.678623089   | 0.01  | -0.32 | -0.77 | 0.30   | 0.30   | 0.54    | 4300000 | 3450000  |
| 54.155944700 | 10.443803710  | -0.02 | -0.22 | -0.63 | 0.29   | 0.29   | 0.53    | 4350000 | 3450000  |
| 54.150813760 | 11.208890650  | -0.03 | -0.20 | -0.74 | 0.28   | 0.28   | 0.51    | 4400000 | 3450000  |
| 54.140933740 | 11.973722520  | -0.07 | -0.27 | -0.99 | 0.22   | 0.22   | 0.42    | 4450000 | 3450000  |
| 54.126307990 | 12.738138340  | -0.10 | -0.22 | -0.93 | 0.26   | 0.26   | 0.48    | 4500000 | 3450000  |
| 54.106941480 | 13.501977780  | -0.14 | -0.24 | -0.74 | 0.25   | 0.25   | 0.46    | 4550000 | 3450000  |
| 54.082840780 | 14.265081440  | -0.15 | -0.31 | -0.45 | 0.26   | 0.26   | 0.48    | 4600000 | 3450000  |
| 54.054014050 | 15.027291030  | -0.11 | -0.34 | -0.19 | 0.28   | 0.27   | 0.53    | 4650000 | 3450000  |
| 54.020471010 | 15.788449700  | -0.08 | -0.36 | -0.12 | 0.28   | 0.27   | 0.53    | 4700000 | 3450000  |
| 53.982222930 | 16.548402200  | -0.11 | -0.32 | -0.30 | 0.27   | 0.27   | 0.50    | 4750000 | 3450000  |
| 53.939282610 | 17.306995150  | -0.20 | -0.32 | -0.56 | 0.27   | 0.27   | 0.49    | 4800000 | 3450000  |
| 53.891664350 | 18.064077270  | -0.29 | -0.31 | -0.74 | 0.26   | 0.26   | 0.46    | 4850000 | 3450000  |
| 53.839383930 | 18.819499580  | -0.24 | -0.27 | -0.85 | 0.24   | 0.24   | 0.45    | 4900000 | 3450000  |
| 53.782458560 | 19.573115610  | -0.15 | -0.24 | -0.92 | 0.26   | 0.26   | 0.48    | 4950000 | 3450000  |
| 53.720906880 | 20.324781590  | -0.15 | -0.26 | -0.89 | 0.24   | 0.23   | 0.44    | 5000000 | 3450000  |
| 53.654748880 | 21.074356690  | -0.12 | -0.24 | -0.79 | 0.27   | 0.27   | 0.48    | 5050000 | 3450000  |
| 53.584005910 | 21.821703130  | -0.10 | -0.28 | -0.81 | 0.29   | 0.28   | 0.51    | 5100000 | 3450000  |
| 53.508700600 | 22.566686380  | -0.15 | -0.40 | -0.93 | 0.25   | 0.25   | 0.47    | 5150000 | 3450000  |
| 53.428856850 | 23.309175340  | -0.19 | -0.43 | -0.94 | 0.24   | 0.24   | 0.45    | 5200000 | 3450000  |
| 53.344499760 | 24.049042460  | -0.18 | -0.33 | -0.98 | 0.33   | 0.33   | 0.58    | 5250000 | 3450000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 53.255655610 | 24.786163860  | -0.16 | -0.26 | -0.98 | 0.38   | 0.38   | 0.65    | 5300000 | 3450000  |
| 53.162351780 | 25.520419500  | -0.14 | -0.21 | -0.91 | 0.39   | 0.39   | 0.68    | 5350000 | 3450000  |
| 51.852066530 | -10.956185020 | 0.04  | -0.05 | -0.46 | 0.44   | 0.44   | 0.84    | 2900000 | 3400000  |
| 51.977873880 | -10.254132840 | 0.06  | -0.08 | -0.35 | 0.43   | 0.43   | 0.79    | 2950000 | 3400000  |
| 52.099506940 | -9.548542347  | 0.08  | -0.12 | -0.18 | 0.39   | 0.39   | 0.69    | 3000000 | 3400000  |
| 52.216932450 | -8.839498736  | 0.08  | -0.16 | -0.02 | 0.31   | 0.33   | 0.55    | 3050000 | 3400000  |
| 52.330117880 | -8.127091359  | 0.07  | -0.19 | -0.13 | 0.32   | 0.33   | 0.55    | 3100000 | 3400000  |
| 52.439031450 | -7.411413680  | 0.06  | -0.22 | -0.35 | 0.30   | 0.32   | 0.53    | 3150000 | 3400000  |
| 52.543642180 | -6.692563229  | 0.04  | -0.21 | -0.58 | 0.28   | 0.29   | 0.49    | 3200000 | 3400000  |
| 52.643919970 | -5.970641551  | 0.04  | -0.13 | -0.84 | 0.35   | 0.36   | 0.60    | 3250000 | 3400000  |
| 52.739835600 | -5.245754143  | 0.09  | -0.14 | -1.05 | 0.32   | 0.32   | 0.54    | 3300000 | 3400000  |
| 52.831360850 | -4.518010374  | 0.14  | -0.13 | -1.19 | 0.25   | 0.25   | 0.43    | 3350000 | 3400000  |
| 52.918468450 | -3.787523404  | 0.13  | -0.08 | -1.20 | 0.29   | 0.30   | 0.51    | 3400000 | 3400000  |
| 53.001132210 | -3.054410080  | 0.10  | -0.09 | -1.15 | 0.29   | 0.29   | 0.51    | 3450000 | 3400000  |
| 53.079327030 | -2.318790830  | -0.02 | -0.04 | -0.95 | 0.22   | 0.23   | 0.44    | 3500000 | 3400000  |
| 53.153028940 | -1.580789545  | -0.12 | 0.00  | -0.82 | 0.26   | 0.27   | 0.47    | 3550000 | 3400000  |
| 53.222215150 | -0.840533443  | -0.03 | 0.00  | -1.00 | 0.26   | 0.27   | 0.46    | 3600000 | 3400000  |
| 53.286864080 | -0.098152933  | -0.04 | 0.12  | -1.26 | 0.26   | 0.27   | 0.45    | 3650000 | 3400000  |
| 53.346955430 | 0.646218543   | -0.11 | 0.21  | -1.33 | 0.29   | 0.31   | 0.51    | 3700000 | 3400000  |
| 53.402470180 | 1.392444665   | -0.10 | 0.17  | -1.25 | 0.36   | 0.37   | 0.64    | 3750000 | 3400000  |
| 53.578430010 | 4.393078531   | -0.11 | 0.00  | -1.31 | 0.37   | 0.37   | 0.66    | 3950000 | 3400000  |
| 53.610824150 | 5.146445039   | -0.16 | 0.08  | -1.63 | 0.31   | 0.31   | 0.55    | 4000000 | 3400000  |
| 53.638556580 | 5.900798158   | -0.04 | 0.10  | -2.40 | 0.26   | 0.26   | 0.47    | 4050000 | 3400000  |
| 53.661618220 | 6.655986738   | -0.08 | -0.22 | -2.94 | 0.23   | 0.23   | 0.43    | 4100000 | 3400000  |
| 53.680001480 | 7.411858355   | -0.05 | -0.34 | -1.86 | 0.26   | 0.26   | 0.47    | 4150000 | 3400000  |
| 53.693700290 | 8.168259538   | 0.10  | -0.25 | -0.84 | 0.21   | 0.21   | 0.39    | 4200000 | 3400000  |
| 53.702710140 | 8.925036006   | 0.14  | -0.32 | -0.86 | 0.25   | 0.25   | 0.47    | 4250000 | 3400000  |
| 53.707028030 | 9.682032900   | 0.08  | -0.43 | -1.01 | 0.24   | 0.24   | 0.47    | 4300000 | 3400000  |
| 53.706652540 | 10.439095020  | 0.00  | -0.39 | -1.04 | 0.28   | 0.28   | 0.52    | 4350000 | 3400000  |
| 53.701583800 | 11.196067070  | 0.00  | -0.27 | -1.14 | 0.26   | 0.26   | 0.49    | 4400000 | 3400000  |
| 53.691823480 | 11.952793890  | -0.02 | -0.20 | -1.11 | 0.26   | 0.26   | 0.48    | 4450000 | 3400000  |
| 53.677374810 | 12.709120690  | -0.10 | -0.19 | -0.93 | 0.26   | 0.26   | 0.48    | 4500000 | 3400000  |
| 53.658242570 | 13.464893310  | -0.20 | -0.27 | -0.77 | 0.26   | 0.26   | 0.48    | 4550000 | 3400000  |
| 53.634433050 | 14.219958430  | -0.25 | -0.31 | -0.58 | 0.25   | 0.24   | 0.45    | 4600000 | 3400000  |
| 53.605954090 | 14.974163810  | -0.17 | -0.24 | -0.32 | 0.25   | 0.25   | 0.48    | 4650000 | 3400000  |
| 53.572815030 | 15.727358530  | -0.06 | -0.19 | -0.19 | 0.27   | 0.27   | 0.51    | 4700000 | 3400000  |
| 53.535026690 | 16.479393200  | -0.07 | -0.29 | -0.35 | 0.27   | 0.27   | 0.50    | 4750000 | 3400000  |
| 53.492601360 | 17.230120160  | -0.13 | -0.35 | -0.59 | 0.27   | 0.26   | 0.49    | 4800000 | 3400000  |
| 53.445552790 | 17.979393750  | -0.16 | -0.32 | -0.77 | 0.26   | 0.26   | 0.47    | 4850000 | 3400000  |
| 53.393896110 | 18.727070450  | -0.10 | -0.18 | -0.84 | 0.25   | 0.25   | 0.46    | 4900000 | 3400000  |
| 53.337647890 | 19.473009100  | -0.08 | -0.10 | -0.90 | 0.25   | 0.25   | 0.46    | 4950000 | 3400000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 53.276826010 | 20.217071110  | -0.11 | -0.18 | -0.89 | 0.24   | 0.24   | 0.45    | 5000000 | 3400000  |
| 53.211449720 | 20.959120610  | -0.08 | -0.31 | -0.89 | 0.26   | 0.26   | 0.48    | 5050000 | 3400000  |
| 53.141539510 | 21.699024620  | 0.02  | -0.35 | -0.95 | 0.25   | 0.25   | 0.47    | 5100000 | 3400000  |
| 53.067117180 | 22.436653240  | 0.05  | -0.36 | -0.97 | 0.26   | 0.26   | 0.48    | 5150000 | 3400000  |
| 52.988205680 | 23.171879780  | -0.03 | -0.35 | -0.89 | 0.25   | 0.24   | 0.45    | 5200000 | 3400000  |
| 52.904829190 | 23.904580890  | -0.11 | -0.29 | -0.89 | 0.32   | 0.31   | 0.56    | 5250000 | 3400000  |
| 52.817012980 | 24.634636710  | -0.10 | -0.24 | -0.90 | 0.38   | 0.38   | 0.67    | 5300000 | 3400000  |
| 52.724783410 | 25.361930960  | -0.08 | -0.22 | -0.85 | 0.39   | 0.39   | 0.68    | 5350000 | 3400000  |
| 51.423867390 | -10.751933090 | 0.03  | -0.05 | -0.43 | 0.44   | 0.44   | 0.84    | 2900000 | 3350000  |
| 51.548308040 | -10.055808430 | 0.05  | -0.07 | -0.28 | 0.43   | 0.43   | 0.79    | 2950000 | 3350000  |
| 51.668611200 | -9.356266243  | 0.07  | -0.12 | -0.04 | 0.38   | 0.39   | 0.69    | 3000000 | 3350000  |
| 51.784744780 | -8.653389745  | 0.10  | -0.20 | 0.32  | 0.23   | 0.27   | 0.45    | 3050000 | 3350000  |
| 51.896677380 | -7.947266078  | 0.07  | -0.20 | 0.06  | 0.33   | 0.34   | 0.57    | 3100000 | 3350000  |
| 52.004378330 | -7.237986283  | 0.04  | -0.20 | -0.29 | 0.35   | 0.36   | 0.60    | 3150000 | 3350000  |
| 52.107817780 | -6.525645259  | 0.01  | -0.19 | -0.56 | 0.34   | 0.35   | 0.59    | 3200000 | 3350000  |
| 52.206966700 | -5.810341704  | 0.00  | -0.16 | -0.81 | 0.36   | 0.37   | 0.62    | 3250000 | 3350000  |
| 52.301796950 | -5.092178056  | 0.03  | -0.18 | -1.05 | 0.32   | 0.32   | 0.54    | 3300000 | 3350000  |
| 52.392281320 | -4.371260418  | 0.05  | -0.15 | -1.26 | 0.26   | 0.27   | 0.45    | 3350000 | 3350000  |
| 52.478393560 | -3.647698469  | 0.00  | -0.05 | -1.35 | 0.25   | 0.27   | 0.44    | 3400000 | 3350000  |
| 52.560108450 | -2.921605379  | 0.04  | -0.04 | -1.37 | 0.29   | 0.30   | 0.51    | 3450000 | 3350000  |
| 52.637401830 | -2.193097693  | -0.01 | -0.02 | -1.19 | 0.27   | 0.27   | 0.49    | 3500000 | 3350000  |
| 52.710250620 | -1.462295225  | -0.13 | -0.08 | -0.92 | 0.26   | 0.27   | 0.47    | 3550000 | 3350000  |
| 52.778632900 | -0.729320927  | -0.13 | -0.11 | -0.96 | 0.27   | 0.28   | 0.47    | 3600000 | 3350000  |
| 52.842527920 | 0.005699243   | -0.04 | 0.02  | -1.20 | 0.27   | 0.28   | 0.46    | 3650000 | 3350000  |
| 52.901916150 | 0.742636466   | -0.07 | 0.19  | -1.32 | 0.25   | 0.26   | 0.43    | 3700000 | 3350000  |
| 52.956779290 | 1.481359215   | -0.08 | 0.17  | -1.26 | 0.29   | 0.30   | 0.53    | 3750000 | 3350000  |
| 53.007100350 | 2.221733422   | 0.00  | 0.03  | -1.20 | 0.37   | 0.37   | 0.66    | 3800000 | 3350000  |
| 53.130660820 | 4.451389575   | -0.04 | -0.15 | -1.40 | 0.30   | 0.30   | 0.53    | 3950000 | 3350000  |
| 53.162670170 | 5.196984185   | -0.05 | -0.07 | -1.73 | 0.23   | 0.23   | 0.41    | 4000000 | 3350000  |
| 53.190072650 | 5.943528002   | 0.26  | -0.07 | -2.86 | 0.22   | 0.22   | 0.40    | 4050000 | 3350000  |
| 53.212859530 | 6.690875550   | 0.27  | -0.53 | -3.81 | 0.19   | 0.19   | 0.35    | 4100000 | 3350000  |
| 53.231023520 | 7.438880153   | 0.20  | -0.54 | -2.06 | 0.21   | 0.21   | 0.40    | 4150000 | 3350000  |
| 53.244558800 | 8.187394155   | 0.18  | -0.32 | -0.92 | 0.30   | 0.30   | 0.52    | 4200000 | 3350000  |
| 53.253461020 | 8.936269137   | 0.12  | -0.31 | -0.65 | 0.31   | 0.31   | 0.55    | 4250000 | 3350000  |
| 53.257727310 | 9.685356139   | 0.02  | -0.44 | -0.79 | 0.30   | 0.30   | 0.53    | 4300000 | 3350000  |
| 53.257356320 | 10.434505880  | -0.06 | -0.49 | -0.91 | 0.29   | 0.29   | 0.51    | 4350000 | 3350000  |
| 53.252348140 | 11.183568980  | -0.04 | -0.31 | -0.95 | 0.26   | 0.26   | 0.48    | 4400000 | 3350000  |
| 53.242704400 | 11.932396210  | -0.02 | -0.11 | -0.82 | 0.25   | 0.25   | 0.46    | 4450000 | 3350000  |
| 53.228428200 | 12.680838660  | -0.09 | -0.10 | -0.70 | 0.26   | 0.26   | 0.48    | 4500000 | 3350000  |
| 53.209524120 | 13.428748040  | -0.19 | -0.23 | -0.73 | 0.28   | 0.28   | 0.50    | 4550000 | 3350000  |
| 53.185998210 | 14.175976810  | -0.25 | -0.28 | -0.70 | 0.25   | 0.25   | 0.45    | 4600000 | 3350000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 53.157858000 | 14.922378500 | -0.18 | -0.22 | -0.49 | 0.24   | 0.24   | 0.45    | 4650000 | 3350000  |
| 53.125112460 | 15.667807830 | -0.08 | -0.23 | -0.29 | 0.28   | 0.27   | 0.50    | 4700000 | 3350000  |
| 53.087771990 | 16.412120970 | -0.01 | -0.34 | -0.32 | 0.26   | 0.26   | 0.48    | 4750000 | 3350000  |
| 53.045848390 | 17.155175750 | 0.01  | -0.34 | -0.55 | 0.27   | 0.27   | 0.50    | 4800000 | 3350000  |
| 52.999354870 | 17.896831830 | 0.04  | -0.29 | -0.78 | 0.25   | 0.25   | 0.47    | 4850000 | 3350000  |
| 52.948305990 | 18.636950920 | 0.01  | -0.18 | -0.93 | 0.24   | 0.24   | 0.45    | 4900000 | 3350000  |
| 52.892717660 | 19.375396930 | -0.07 | -0.18 | -0.99 | 0.25   | 0.25   | 0.46    | 4950000 | 3350000  |
| 52.832607080 | 20.112036190 | -0.07 | -0.29 | -0.92 | 0.27   | 0.27   | 0.49    | 5000000 | 3350000  |
| 52.767992760 | 20.846737600 | 0.00  | -0.41 | -0.86 | 0.25   | 0.25   | 0.46    | 5050000 | 3350000  |
| 52.698894410 | 21.579372800 | 0.11  | -0.34 | -0.93 | 0.26   | 0.26   | 0.47    | 5100000 | 3350000  |
| 52.625332980 | 22.309816280 | 0.14  | -0.26 | -0.97 | 0.26   | 0.26   | 0.48    | 5150000 | 3350000  |
| 52.547330580 | 23.037945600 | 0.05  | -0.28 | -0.93 | 0.28   | 0.27   | 0.50    | 5200000 | 3350000  |
| 52.464910460 | 23.763641460 | -0.05 | -0.29 | -0.90 | 0.32   | 0.32   | 0.57    | 5250000 | 3350000  |
| 52.378096960 | 24.486787830 | -0.05 | -0.25 | -0.89 | 0.37   | 0.37   | 0.64    | 5300000 | 3350000  |
| 52.286915460 | 25.207272110 | -0.03 | -0.22 | -0.83 | 0.36   | 0.36   | 0.62    | 5350000 | 3350000  |
| 51.118251160 | -9.862061247 | 0.04  | -0.06 | -0.32 | 0.43   | 0.43   | 0.81    | 2950000 | 3300000  |
| 51.237254930 | -9.168453416 | 0.05  | -0.10 | -0.16 | 0.41   | 0.42   | 0.75    | 3000000 | 3300000  |
| 51.352126460 | -8.471625055 | 0.07  | -0.14 | -0.04 | 0.38   | 0.39   | 0.69    | 3050000 | 3300000  |
| 51.462835430 | -7.771661139 | 0.06  | -0.15 | -0.16 | 0.39   | 0.40   | 0.69    | 3100000 | 3300000  |
| 51.569352280 | -7.068650346 | 0.03  | -0.15 | -0.40 | 0.40   | 0.40   | 0.71    | 3150000 | 3300000  |
| 51.769695180 | -5.653861055 | -0.06 | -0.13 | -0.80 | 0.34   | 0.35   | 0.59    | 3250000 | 3300000  |
| 51.863466120 | -4.942277963 | -0.05 | -0.12 | -0.96 | 0.25   | 0.27   | 0.45    | 3300000 | 3300000  |
| 51.952934780 | -4.228038671 | 0.07  | -0.07 | -1.16 | 0.25   | 0.26   | 0.45    | 3350000 | 3300000  |
| 52.038075890 | -3.511249504 | -0.01 | -0.11 | -1.32 | 0.26   | 0.27   | 0.46    | 3400000 | 3300000  |
| 52.118865150 | -2.792020082 | 0.02  | -0.10 | -1.41 | 0.27   | 0.28   | 0.48    | 3450000 | 3300000  |
| 52.195279280 | -2.070463216 | 0.07  | 0.03  | -1.38 | 0.21   | 0.22   | 0.42    | 3500000 | 3300000  |
| 52.267296080 | -1.346694802 | -0.13 | -0.01 | -1.02 | 0.23   | 0.23   | 0.44    | 3550000 | 3300000  |
| 52.334894450 | -0.620833699 | -0.23 | -0.15 | -0.99 | 0.23   | 0.23   | 0.42    | 3600000 | 3300000  |
| 52.398054410 | 0.106998400  | -0.07 | -0.14 | -1.14 | 0.26   | 0.26   | 0.44    | 3650000 | 3300000  |
| 52.456757170 | 0.836677106  | 0.07  | -0.08 | -1.14 | 0.25   | 0.25   | 0.42    | 3700000 | 3300000  |
| 52.510985150 | 1.568075477  | 0.11  | -0.07 | -1.08 | 0.23   | 0.23   | 0.43    | 3750000 | 3300000  |
| 52.560721980 | 2.301064174  | 0.08  | -0.10 | -1.16 | 0.34   | 0.34   | 0.59    | 3800000 | 3300000  |
| 52.646663150 | 3.771284194  | 0.13  | -0.19 | -1.47 | 0.36   | 0.36   | 0.63    | 3900000 | 3300000  |
| 52.682841220 | 4.508246351  | 0.27  | -0.32 | -1.60 | 0.25   | 0.25   | 0.46    | 3950000 | 3300000  |
| 52.714475640 | 5.246260865  | 0.28  | -0.30 | -1.67 | 0.26   | 0.26   | 0.45    | 4000000 | 3300000  |
| 52.741556650 | 5.985188985  | 0.40  | -0.16 | -2.03 | 0.25   | 0.25   | 0.44    | 4050000 | 3300000  |
| 52.764075840 | 6.724890637  | 0.49  | -0.26 | -2.04 | 0.23   | 0.23   | 0.42    | 4100000 | 3300000  |
| 52.782026220 | 7.465224621  | 0.33  | -0.37 | -1.24 | 0.27   | 0.27   | 0.48    | 4150000 | 3300000  |
| 52.795402180 | 8.206048816  | 0.20  | -0.27 | -0.63 | 0.30   | 0.30   | 0.53    | 4200000 | 3300000  |
| 52.804199550 | 8.947220380  | 0.06  | -0.22 | -0.42 | 0.29   | 0.29   | 0.52    | 4250000 | 3300000  |
| 52.808415580 | 9.688595965  | -0.08 | -0.32 | -0.52 | 0.31   | 0.31   | 0.54    | 4300000 | 3300000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 52.808048950 | 10.430031920 | -0.14 | -0.46 | -0.64 | 0.30   | 0.30   | 0.53    | 4350000 | 3300000  |
| 52.803099780 | 11.171384510 | -0.08 | -0.37 | -0.69 | 0.30   | 0.30   | 0.53    | 4400000 | 3300000  |
| 52.793569610 | 11.912510120 | -0.04 | -0.19 | -0.66 | 0.29   | 0.29   | 0.52    | 4450000 | 3300000  |
| 52.779461430 | 12.653265460 | -0.07 | -0.16 | -0.63 | 0.25   | 0.25   | 0.46    | 4500000 | 3300000  |
| 52.760779630 | 13.393507800 | -0.12 | -0.26 | -0.73 | 0.25   | 0.25   | 0.45    | 4550000 | 3300000  |
| 52.737530040 | 14.133095150 | -0.10 | -0.29 | -0.75 | 0.26   | 0.26   | 0.46    | 4600000 | 3300000  |
| 52.709719890 | 14.871886470 | -0.07 | -0.28 | -0.57 | 0.24   | 0.24   | 0.45    | 4650000 | 3300000  |
| 52.677357790 | 15.609741900 | -0.08 | -0.29 | -0.36 | 0.27   | 0.27   | 0.48    | 4700000 | 3300000  |
| 52.640453730 | 16.346522900 | -0.08 | -0.30 | -0.38 | 0.24   | 0.24   | 0.45    | 4750000 | 3300000  |
| 52.599019080 | 17.082092510 | 0.00  | -0.22 | -0.65 | 0.26   | 0.26   | 0.47    | 4800000 | 3300000  |
| 52.553066530 | 17.816315490 | 0.06  | -0.22 | -0.89 | 0.27   | 0.27   | 0.49    | 4850000 | 3300000  |
| 52.502610070 | 18.549058520 | 0.00  | -0.28 | -1.05 | 0.27   | 0.27   | 0.49    | 4900000 | 3300000  |
| 52.447664990 | 19.280190380 | -0.04 | -0.30 | -1.07 | 0.26   | 0.26   | 0.48    | 4950000 | 3300000  |
| 52.388247860 | 20.009582090 | 0.00  | -0.32 | -0.90 | 0.28   | 0.28   | 0.49    | 5000000 | 3300000  |
| 52.324376460 | 20.737107120 | 0.03  | -0.35 | -0.76 | 0.22   | 0.22   | 0.40    | 5050000 | 3300000  |
| 52.256069780 | 21.462641500 | 0.01  | -0.21 | -0.82 | 0.24   | 0.23   | 0.43    | 5100000 | 3300000  |
| 52.183347950 | 22.186063980 | -0.01 | -0.12 | -0.91 | 0.24   | 0.24   | 0.46    | 5150000 | 3300000  |
| 52.106232280 | 22.907256160 | -0.04 | -0.29 | -0.94 | 0.26   | 0.26   | 0.49    | 5200000 | 3300000  |
| 52.024745140 | 23.626102640 | -0.05 | -0.37 | -0.95 | 0.30   | 0.30   | 0.53    | 5250000 | 3300000  |
| 51.938909960 | 24.342491110 | -0.02 | -0.29 | -0.94 | 0.33   | 0.33   | 0.57    | 5300000 | 3300000  |
| 51.848751210 | 25.056312470 | 0.02  | -0.20 | -0.90 | 0.30   | 0.30   | 0.50    | 5350000 | 3300000  |
| 51.754294310 | 25.767460930 | 0.04  | -0.37 | -0.91 | 0.30   | 0.30   | 0.49    | 5400000 | 3300000  |
| 51.332108940 | -5.501071643 | -0.01 | -0.05 | -0.89 | 0.35   | 0.36   | 0.62    | 3250000 | 3250000  |
| 51.424845790 | -4.795929889 | 0.04  | 0.04  | -0.98 | 0.30   | 0.31   | 0.52    | 3300000 | 3250000  |
| 51.513323100 | -4.088225397 | 0.19  | 0.12  | -1.11 | 0.25   | 0.26   | 0.46    | 3350000 | 3250000  |
| 51.597516490 | -3.378061252 | 0.13  | -0.12 | -1.24 | 0.26   | 0.27   | 0.47    | 3400000 | 3250000  |
| 51.677402560 | -2.665543653 | 0.09  | -0.22 | -1.26 | 0.26   | 0.27   | 0.50    | 3450000 | 3250000  |
| 51.752958900 | -1.950781819 | 0.07  | -0.08 | -1.24 | 0.27   | 0.28   | 0.50    | 3500000 | 3250000  |
| 51.824164110 | -1.233887879 | -0.11 | 0.04  | -1.16 | 0.24   | 0.25   | 0.45    | 3550000 | 3250000  |
| 51.890997880 | -0.514976762 | -0.26 | 0.01  | -1.19 | 0.25   | 0.25   | 0.45    | 3600000 | 3250000  |
| 51.953440980 | 0.205833929  | -0.11 | -0.09 | -1.20 | 0.27   | 0.27   | 0.47    | 3650000 | 3250000  |
| 52.011475320 | 0.928424045  | 0.09  | -0.27 | -1.09 | 0.21   | 0.22   | 0.38    | 3700000 | 3250000  |
| 52.065083990 | 1.652671032  | 0.11  | -0.24 | -1.10 | 0.31   | 0.32   | 0.54    | 3750000 | 3250000  |
| 52.114251240 | 2.378450078  | 0.08  | -0.23 | -1.17 | 0.35   | 0.35   | 0.60    | 3800000 | 3250000  |
| 52.158962550 | 3.105634263  | 0.07  | -0.21 | -1.35 | 0.35   | 0.36   | 0.61    | 3850000 | 3250000  |
| 52.199204670 | 3.834094721  | 0.13  | -0.20 | -1.62 | 0.31   | 0.31   | 0.54    | 3900000 | 3250000  |
| 52.234965590 | 4.563700809  | 0.16  | -0.39 | -1.70 | 0.24   | 0.24   | 0.42    | 3950000 | 3250000  |
| 52.266234590 | 5.294320277  | 0.07  | -0.46 | -1.38 | 0.24   | 0.24   | 0.42    | 4000000 | 3250000  |
| 52.293002290 | 6.025819446  | 0.10  | -0.19 | -1.22 | 0.22   | 0.22   | 0.40    | 4050000 | 3250000  |
| 52.315260600 | 6.758063390  | 0.25  | -0.23 | -1.09 | 0.25   | 0.25   | 0.44    | 4100000 | 3250000  |
| 52.333002810 | 7.490916126  | 0.24  | -0.36 | -0.77 | 0.26   | 0.26   | 0.45    | 4150000 | 3250000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 52.346223510 | 8.224240802  | 0.14  | -0.26 | -0.54 | 0.25   | 0.24   | 0.44    | 4200000 | 3250000  |
| 52.354918710 | 8.957899890  | -0.03 | -0.06 | -0.54 | 0.26   | 0.25   | 0.45    | 4250000 | 3250000  |
| 52.359085770 | 9.691755384  | -0.20 | -0.16 | -0.53 | 0.24   | 0.23   | 0.45    | 4300000 | 3250000  |
| 52.358723400 | 10.425669000 | -0.17 | -0.42 | -0.53 | 0.26   | 0.25   | 0.48    | 4350000 | 3250000  |
| 52.353831720 | 11.159502350 | -0.07 | -0.40 | -0.64 | 0.30   | 0.30   | 0.54    | 4400000 | 3250000  |
| 52.344412230 | 11.893117200 | 0.00  | -0.30 | -0.71 | 0.30   | 0.30   | 0.55    | 4450000 | 3250000  |
| 52.330467770 | 12.626375590 | -0.03 | -0.27 | -0.72 | 0.24   | 0.24   | 0.46    | 4500000 | 3250000  |
| 52.312002600 | 13.359140100 | -0.05 | -0.29 | -0.67 | 0.24   | 0.24   | 0.43    | 4550000 | 3250000  |
| 52.289022290 | 14.091273990 | 0.05  | -0.25 | -0.57 | 0.23   | 0.22   | 0.43    | 4600000 | 3250000  |
| 52.261533810 | 14.822641440 | 0.08  | -0.23 | -0.42 | 0.26   | 0.26   | 0.47    | 4650000 | 3250000  |
| 52.229545430 | 15.553107720 | 0.00  | -0.24 | -0.37 | 0.24   | 0.24   | 0.44    | 4700000 | 3250000  |
| 52.193066770 | 16.282539350 | -0.08 | -0.20 | -0.59 | 0.25   | 0.25   | 0.46    | 4750000 | 3250000  |
| 52.152108740 | 17.010804340 | -0.01 | -0.15 | -0.86 | 0.24   | 0.24   | 0.45    | 4800000 | 3250000  |
| 52.106683550 | 17.737772320 | 0.11  | -0.28 | -0.95 | 0.26   | 0.26   | 0.48    | 4850000 | 3250000  |
| 52.056804670 | 18.463314710 | 0.11  | -0.38 | -0.97 | 0.25   | 0.25   | 0.48    | 4900000 | 3250000  |
| 52.002486810 | 19.187304930 | 0.10  | -0.32 | -0.96 | 0.27   | 0.27   | 0.49    | 4950000 | 3250000  |
| 51.943745890 | 19.909618510 | 0.14  | -0.26 | -0.85 | 0.25   | 0.25   | 0.45    | 5000000 | 3250000  |
| 51.880599040 | 20.630133280 | 0.12  | -0.32 | -0.73 | 0.25   | 0.25   | 0.44    | 5050000 | 3250000  |
| 51.813064520 | 21.348729480 | -0.01 | -0.33 | -0.75 | 0.26   | 0.26   | 0.47    | 5100000 | 3250000  |
| 51.741161740 | 22.065289940 | -0.12 | -0.25 | -0.77 | 0.28   | 0.27   | 0.50    | 5150000 | 3250000  |
| 51.664911180 | 22.779700150 | -0.16 | -0.32 | -0.77 | 0.26   | 0.26   | 0.48    | 5200000 | 3250000  |
| 51.584334400 | 23.491848460 | -0.12 | -0.52 | -0.91 | 0.20   | 0.20   | 0.40    | 5250000 | 3250000  |
| 51.499453980 | 24.201626120 | 0.00  | -0.40 | -1.03 | 0.28   | 0.28   | 0.47    | 5300000 | 3250000  |
| 51.410293490 | 24.908927420 | 0.12  | -0.24 | -1.02 | 0.25   | 0.25   | 0.42    | 5350000 | 3250000  |
| 51.316877440 | 25.613649780 | 0.14  | -0.40 | -1.02 | 0.26   | 0.26   | 0.43    | 5400000 | 3250000  |
| 50.894211070 | -5.351851134 | 0.07  | -0.04 | -1.08 | 0.37   | 0.37   | 0.63    | 3250000 | 3200000  |
| 50.985938240 | -4.653015357 | 0.15  | 0.10  | -1.13 | 0.32   | 0.33   | 0.55    | 3300000 | 3200000  |
| 51.073447720 | -3.951706208 | 0.21  | 0.18  | -1.19 | 0.26   | 0.27   | 0.46    | 3350000 | 3200000  |
| 51.156716040 | -3.248023644 | 0.08  | -0.04 | -1.20 | 0.25   | 0.27   | 0.47    | 3400000 | 3200000  |
| 51.235720630 | -2.542070568 | 0.01  | -0.16 | -1.10 | 0.28   | 0.29   | 0.52    | 3450000 | 3200000  |
| 51.310439900 | -1.833952737 | -0.01 | -0.15 | -1.10 | 0.25   | 0.27   | 0.47    | 3500000 | 3200000  |
| 51.380853230 | -1.123778664 | -0.08 | -0.17 | -1.22 | 0.26   | 0.27   | 0.46    | 3550000 | 3200000  |
| 51.446941060 | -0.411659501 | -0.18 | -0.06 | -1.29 | 0.24   | 0.24   | 0.44    | 3600000 | 3200000  |
| 51.508684870 | 0.302291069  | -0.07 | 0.00  | -1.25 | 0.24   | 0.24   | 0.43    | 3650000 | 3200000  |
| 51.566067260 | 1.017956964  | 0.07  | -0.18 | -1.20 | 0.26   | 0.26   | 0.45    | 3700000 | 3200000  |
| 51.619071910 | 1.735219829  | 0.07  | -0.28 | -1.22 | 0.31   | 0.31   | 0.53    | 3750000 | 3200000  |
| 51.667683710 | 2.453959181  | 0.02  | -0.34 | -1.20 | 0.31   | 0.32   | 0.54    | 3800000 | 3200000  |
| 51.711888660 | 3.174052547  | -0.02 | -0.30 | -1.33 | 0.28   | 0.29   | 0.49    | 3850000 | 3200000  |
| 51.751674020 | 3.895375624  | 0.00  | -0.18 | -1.64 | 0.24   | 0.24   | 0.42    | 3900000 | 3200000  |
| 51.787028220 | 4.617802428  | -0.09 | -0.38 | -1.59 | 0.22   | 0.22   | 0.39    | 3950000 | 3200000  |
| 51.817940980 | 5.341205464  | -0.13 | -0.46 | -1.10 | 0.25   | 0.25   | 0.43    | 4000000 | 3200000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 51.844403240 | 6.065455892  | 0.01  | -0.28 | -0.96 | 0.23   | 0.23   | 0.41    | 4050000 | 3200000  |
| 51.866407250 | 6.790423695  | 0.17  | -0.32 | -1.00 | 0.26   | 0.26   | 0.45    | 4100000 | 3200000  |
| 51.883946520 | 7.515977863  | 0.15  | -0.43 | -0.94 | 0.27   | 0.27   | 0.48    | 4150000 | 3200000  |
| 51.897015900 | 8.241986565  | 0.02  | -0.29 | -0.91 | 0.26   | 0.26   | 0.45    | 4200000 | 3200000  |
| 51.905611510 | 8.968317336  | -0.13 | -0.07 | -0.87 | 0.25   | 0.24   | 0.44    | 4250000 | 3200000  |
| 51.909730820 | 9.694837259  | -0.18 | -0.11 | -0.69 | 0.27   | 0.27   | 0.48    | 4300000 | 3200000  |
| 51.909372600 | 10.421413150 | -0.11 | -0.29 | -0.61 | 0.26   | 0.26   | 0.47    | 4350000 | 3200000  |
| 51.904536970 | 11.147911760 | -0.02 | -0.31 | -0.73 | 0.32   | 0.32   | 0.56    | 4400000 | 3200000  |
| 51.895225350 | 11.874199920 | 0.00  | -0.28 | -0.75 | 0.31   | 0.31   | 0.56    | 4450000 | 3200000  |
| 51.881440500 | 12.600144780 | -0.09 | -0.25 | -0.63 | 0.29   | 0.29   | 0.52    | 4500000 | 3200000  |
| 51.863186480 | 13.325613970 | -0.16 | -0.24 | -0.43 | 0.26   | 0.26   | 0.48    | 4550000 | 3200000  |
| 51.840468690 | 14.050475780 | -0.06 | -0.21 | -0.28 | 0.26   | 0.26   | 0.47    | 4600000 | 3200000  |
| 51.813293790 | 14.774599330 | 0.07  | -0.21 | -0.24 | 0.25   | 0.25   | 0.45    | 4650000 | 3200000  |
| 51.781669760 | 15.497854790 | 0.06  | -0.24 | -0.41 | 0.25   | 0.25   | 0.45    | 4700000 | 3200000  |
| 51.745605850 | 16.220113530 | 0.02  | -0.24 | -0.80 | 0.24   | 0.24   | 0.45    | 4750000 | 3200000  |
| 51.705112550 | 16.941248280 | 0.10  | -0.27 | -0.96 | 0.26   | 0.26   | 0.47    | 4800000 | 3200000  |
| 51.660201610 | 17.661133310 | 0.20  | -0.38 | -0.81 | 0.24   | 0.24   | 0.45    | 4850000 | 3200000  |
| 51.610885990 | 18.379644600 | 0.21  | -0.37 | -0.67 | 0.25   | 0.25   | 0.47    | 4900000 | 3200000  |
| 51.557179850 | 19.096660000 | 0.21  | -0.20 | -0.74 | 0.25   | 0.25   | 0.47    | 4950000 | 3200000  |
| 51.499098510 | 19.812059340 | 0.25  | -0.16 | -0.81 | 0.24   | 0.24   | 0.45    | 5000000 | 3200000  |
| 51.436658450 | 20.525724620 | 0.19  | -0.39 | -0.71 | 0.27   | 0.27   | 0.48    | 5050000 | 3200000  |
| 51.369877270 | 21.237540140 | 0.08  | -0.63 | -0.63 | 0.21   | 0.21   | 0.42    | 5100000 | 3200000  |
| 51.298773650 | 21.947392620 | -0.07 | -0.43 | -0.56 | 0.25   | 0.25   | 0.47    | 5150000 | 3200000  |
| 51.223367320 | 22.655171310 | -0.18 | -0.33 | -0.57 | 0.24   | 0.24   | 0.46    | 5200000 | 3200000  |
| 51.143679060 | 23.360768140 | -0.22 | -0.44 | -0.81 | 0.24   | 0.23   | 0.45    | 5250000 | 3200000  |
| 51.059730610 | 24.064077800 | -0.05 | -0.45 | -1.11 | 0.27   | 0.27   | 0.46    | 5300000 | 3200000  |
| 50.971544700 | 24.764997850 | 0.16  | -0.39 | -1.15 | 0.27   | 0.27   | 0.45    | 5350000 | 3200000  |
| 50.879144940 | 25.463428810 | 0.24  | -0.45 | -1.05 | 0.27   | 0.27   | 0.46    | 5400000 | 3200000  |
| 50.262086940 | -6.583868436 | 0.12  | -0.11 | -1.12 | 0.40   | 0.40   | 0.72    | 3150000 | 3150000  |
| 50.361109970 | -5.896262012 | 0.16  | -0.14 | -1.33 | 0.33   | 0.33   | 0.57    | 3200000 | 3150000  |
| 50.456004200 | -5.206082525 | 0.09  | -0.13 | -1.32 | 0.30   | 0.31   | 0.52    | 3250000 | 3150000  |
| 50.546745290 | -4.513421092 | 0.07  | -0.13 | -1.38 | 0.30   | 0.31   | 0.53    | 3300000 | 3150000  |
| 50.633309740 | -3.818371778 | -0.02 | -0.09 | -1.43 | 0.27   | 0.27   | 0.47    | 3350000 | 3150000  |
| 50.715674890 | -3.121031516 | -0.11 | -0.06 | -1.33 | 0.25   | 0.27   | 0.46    | 3400000 | 3150000  |
| 50.793818990 | -2.421500034 | -0.15 | -0.10 | -1.13 | 0.31   | 0.32   | 0.53    | 3450000 | 3150000  |
| 50.867721210 | -1.719879757 | -0.19 | -0.18 | -1.08 | 0.25   | 0.27   | 0.44    | 3500000 | 3150000  |
| 50.937361710 | -1.016275717 | -0.10 | -0.43 | -1.25 | 0.23   | 0.24   | 0.41    | 3550000 | 3150000  |
| 51.002721630 | -0.310795443 | -0.03 | -0.40 | -1.16 | 0.26   | 0.26   | 0.45    | 3600000 | 3150000  |
| 51.063783130 | 0.396451147  | 0.07  | -0.21 | -1.05 | 0.23   | 0.24   | 0.40    | 3650000 | 3150000  |
| 51.120529450 | 1.105351867  | 0.12  | -0.13 | -1.25 | 0.27   | 0.28   | 0.47    | 3700000 | 3150000  |
| 51.172944880 | 1.815792386  | 0.08  | -0.21 | -1.41 | 0.28   | 0.28   | 0.48    | 3750000 | 3150000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 51.221014860 | 2.527656362  | -0.03 | -0.36 | -1.35 | 0.27   | 0.27   | 0.45    | 3800000 | 3150000  |
| 51.264725930 | 3.240825577  | -0.11 | -0.39 | -1.29 | 0.22   | 0.23   | 0.38    | 3850000 | 3150000  |
| 51.304065800 | 3.955180086  | -0.08 | -0.30 | -1.36 | 0.23   | 0.23   | 0.39    | 3900000 | 3150000  |
| 51.339023370 | 4.670598358  | -0.07 | -0.38 | -1.10 | 0.23   | 0.23   | 0.40    | 3950000 | 3150000  |
| 51.369588720 | 5.386957440  | 0.01  | -0.40 | -0.65 | 0.24   | 0.24   | 0.42    | 4000000 | 3150000  |
| 51.395753150 | 6.104133106  | 0.19  | -0.31 | -0.64 | 0.23   | 0.23   | 0.41    | 4050000 | 3150000  |
| 51.417509190 | 6.822000025  | 0.24  | -0.34 | -0.83 | 0.26   | 0.26   | 0.46    | 4100000 | 3150000  |
| 51.434850600 | 7.540431929  | 0.12  | -0.36 | -0.86 | 0.26   | 0.26   | 0.46    | 4150000 | 3150000  |
| 51.447772430 | 8.259301775  | -0.07 | -0.27 | -0.81 | 0.27   | 0.26   | 0.47    | 4200000 | 3150000  |
| 51.456270940 | 8.978481925  | -0.16 | -0.15 | -0.76 | 0.27   | 0.27   | 0.48    | 4250000 | 3150000  |
| 51.460343700 | 9.697844314  | -0.12 | -0.17 | -0.71 | 0.26   | 0.26   | 0.46    | 4300000 | 3150000  |
| 51.459989530 | 10.417260630 | 0.00  | -0.21 | -0.79 | 0.22   | 0.22   | 0.41    | 4350000 | 3150000  |
| 51.455208540 | 11.136602480 | 0.05  | -0.20 | -0.90 | 0.30   | 0.30   | 0.52    | 4400000 | 3150000  |
| 51.446002100 | 11.855741570 | -0.02 | -0.22 | -0.79 | 0.32   | 0.32   | 0.55    | 4450000 | 3150000  |
| 51.432372860 | 12.574549910 | -0.15 | -0.21 | -0.54 | 0.27   | 0.27   | 0.51    | 4500000 | 3150000  |
| 51.414324740 | 13.292899940 | -0.26 | -0.22 | -0.27 | 0.26   | 0.26   | 0.49    | 4550000 | 3150000  |
| 51.391862900 | 14.010664720 | -0.19 | -0.23 | -0.16 | 0.28   | 0.28   | 0.50    | 4600000 | 3150000  |
| 51.364993800 | 14.727718130 | -0.06 | -0.27 | -0.17 | 0.27   | 0.27   | 0.48    | 4650000 | 3150000  |
| 51.333725080 | 15.443935000 | 0.03  | -0.28 | -0.37 | 0.26   | 0.26   | 0.48    | 4700000 | 3150000  |
| 51.298065640 | 16.159191300 | 0.08  | -0.26 | -0.73 | 0.26   | 0.26   | 0.48    | 4750000 | 3150000  |
| 51.258025600 | 16.873364290 | 0.13  | -0.27 | -0.80 | 0.26   | 0.26   | 0.48    | 4800000 | 3150000  |
| 51.213616250 | 17.586332680 | 0.13  | -0.28 | -0.52 | 0.27   | 0.27   | 0.49    | 4850000 | 3150000  |
| 51.164850060 | 18.297976800 | 0.07  | -0.16 | -0.34 | 0.26   | 0.26   | 0.48    | 4900000 | 3150000  |
| 51.111740680 | 19.008178720 | 0.07  | -0.03 | -0.53 | 0.28   | 0.28   | 0.51    | 4950000 | 3150000  |
| 51.054302850 | 19.716822410 | 0.12  | -0.08 | -0.71 | 0.27   | 0.27   | 0.49    | 5000000 | 3150000  |
| 50.992552450 | 20.423793870 | 0.08  | -0.34 | -0.60 | 0.29   | 0.28   | 0.51    | 5050000 | 3150000  |
| 50.926506410 | 21.128981270 | 0.06  | -0.53 | -0.41 | 0.28   | 0.28   | 0.51    | 5100000 | 3150000  |
| 50.856182740 | 21.832275070 | 0.05  | -0.47 | -0.35 | 0.29   | 0.29   | 0.52    | 5150000 | 3150000  |
| 50.781600450 | 22.533568130 | -0.05 | -0.42 | -0.46 | 0.29   | 0.29   | 0.53    | 5200000 | 3150000  |
| 50.702779570 | 23.232755830 | -0.21 | -0.47 | -0.78 | 0.25   | 0.25   | 0.48    | 5250000 | 3150000  |
| 50.619741040 | 23.929736170 | -0.14 | -0.54 | -1.15 | 0.25   | 0.25   | 0.45    | 5300000 | 3150000  |
| 50.532506790 | 24.624409870 | 0.04  | -0.53 | -1.20 | 0.28   | 0.28   | 0.48    | 5350000 | 3150000  |
| 50.441099590 | 25.316680430 | 0.13  | -0.50 | -1.04 | 0.32   | 0.32   | 0.53    | 5400000 | 3150000  |
| 49.825616970 | -6.429603498 | 0.16  | -0.12 | -1.29 | 0.40   | 0.40   | 0.71    | 3150000 | 3100000  |
| 49.923598880 | -5.747871610 | 0.25  | -0.20 | -1.64 | 0.29   | 0.29   | 0.50    | 3200000 | 3100000  |
| 50.017490520 | -5.063653859 | 0.18  | -0.25 | -1.67 | 0.26   | 0.26   | 0.47    | 3250000 | 3100000  |
| 50.107268420 | -4.377038746 | 0.00  | -0.30 | -1.64 | 0.32   | 0.32   | 0.55    | 3300000 | 3100000  |
| 50.192909870 | -3.688117568 | -0.22 | -0.38 | -1.72 | 0.21   | 0.23   | 0.41    | 3350000 | 3100000  |
| 50.274393040 | -2.996984344 | -0.17 | -0.23 | -1.47 | 0.33   | 0.34   | 0.57    | 3400000 | 3100000  |
| 50.351696950 | -2.303735736 | -0.16 | -0.20 | -1.27 | 0.35   | 0.35   | 0.59    | 3450000 | 3100000  |
| 50.424801510 | -1.608470964 | -0.15 | -0.27 | -1.22 | 0.31   | 0.32   | 0.54    | 3500000 | 3100000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 50.493687600 | -0.911291710  | -0.06 | -0.38 | -1.27 | 0.30   | 0.31   | 0.52    | 3550000 | 3100000  |
| 50.558337030 | -0.212302021  | 0.03  | -0.36 | -1.18 | 0.33   | 0.33   | 0.55    | 3600000 | 3100000  |
| 50.618732630 | 0.488391796   | 0.11  | -0.25 | -1.12 | 0.30   | 0.30   | 0.50    | 3650000 | 3100000  |
| 50.674858230 | 1.190681291   | 0.14  | -0.05 | -1.36 | 0.29   | 0.29   | 0.49    | 3700000 | 3100000  |
| 50.726698710 | 1.894455990   | 0.11  | -0.01 | -1.51 | 0.25   | 0.25   | 0.43    | 3750000 | 3100000  |
| 50.774240050 | 2.599603515   | -0.02 | -0.17 | -1.30 | 0.26   | 0.26   | 0.43    | 3800000 | 3100000  |
| 50.817469280 | 3.306009720   | -0.10 | -0.29 | -1.01 | 0.22   | 0.22   | 0.38    | 3850000 | 3100000  |
| 50.856374570 | 4.013558826   | -0.06 | -0.34 | -0.88 | 0.24   | 0.24   | 0.40    | 3900000 | 3100000  |
| 50.890945230 | 4.722133561   | -0.05 | -0.40 | -0.52 | 0.23   | 0.23   | 0.38    | 3950000 | 3100000  |
| 50.921171710 | 5.431615306   | -0.03 | -0.41 | -0.11 | 0.23   | 0.23   | 0.38    | 4000000 | 3100000  |
| 50.947045640 | 6.141884246   | 0.08  | -0.34 | -0.10 | 0.24   | 0.24   | 0.42    | 4050000 | 3100000  |
| 50.968559820 | 6.852819521   | 0.13  | -0.22 | -0.25 | 0.25   | 0.25   | 0.44    | 4100000 | 3100000  |
| 50.985708260 | 7.564299386   | 0.01  | -0.11 | -0.28 | 0.24   | 0.24   | 0.43    | 4150000 | 3100000  |
| 50.998486180 | 8.276201370   | -0.14 | -0.06 | -0.34 | 0.26   | 0.26   | 0.46    | 4200000 | 3100000  |
| 51.006890000 | 8.988402436   | -0.15 | -0.10 | -0.50 | 0.24   | 0.24   | 0.45    | 4250000 | 3100000  |
| 51.010917360 | 9.700779148   | 0.01  | -0.14 | -0.75 | 0.27   | 0.27   | 0.47    | 4300000 | 3100000  |
| 51.010567140 | 10.413207830  | 0.12  | -0.15 | -0.94 | 0.25   | 0.25   | 0.43    | 4350000 | 3100000  |
| 51.005839440 | 11.125564750  | 0.08  | -0.17 | -1.01 | 0.25   | 0.25   | 0.44    | 4400000 | 3100000  |
| 50.996735580 | 11.837726250  | -0.05 | -0.27 | -0.78 | 0.26   | 0.26   | 0.46    | 4450000 | 3100000  |
| 50.983258100 | 12.549568950  | -0.17 | -0.28 | -0.46 | 0.25   | 0.25   | 0.48    | 4500000 | 3100000  |
| 50.965410790 | 13.260969890  | -0.22 | -0.23 | -0.25 | 0.26   | 0.27   | 0.51    | 4550000 | 3100000  |
| 50.943198610 | 13.971806710  | -0.16 | -0.22 | -0.18 | 0.27   | 0.27   | 0.50    | 4600000 | 3100000  |
| 50.916627760 | 14.681957800  | -0.06 | -0.26 | -0.11 | 0.22   | 0.23   | 0.43    | 4650000 | 3100000  |
| 50.885705620 | 15.391302440  | 0.03  | -0.23 | -0.18 | 0.26   | 0.26   | 0.48    | 4700000 | 3100000  |
| 50.850440750 | 16.099721020  | 0.08  | -0.17 | -0.40 | 0.25   | 0.26   | 0.47    | 4750000 | 3100000  |
| 50.810842880 | 16.807095100  | 0.07  | -0.18 | -0.44 | 0.26   | 0.26   | 0.47    | 4800000 | 3100000  |
| 50.766922880 | 17.513307660  | -0.05 | -0.16 | -0.21 | 0.28   | 0.28   | 0.50    | 4850000 | 3100000  |
| 50.718692790 | 18.2128423160 | -0.16 | -0.02 | -0.10 | 0.26   | 0.25   | 0.48    | 4900000 | 3100000  |
| 50.666165710 | 18.921787730  | -0.12 | 0.07  | -0.39 | 0.27   | 0.26   | 0.48    | 4950000 | 3100000  |
| 50.609355870 | 19.623829290  | -0.06 | -0.02 | -0.63 | 0.27   | 0.27   | 0.49    | 5000000 | 3100000  |
| 50.548278540 | 20.324257680  | -0.09 | -0.24 | -0.51 | 0.28   | 0.28   | 0.50    | 5050000 | 3100000  |
| 50.482950070 | 21.022964780  | -0.08 | -0.36 | -0.32 | 0.25   | 0.25   | 0.48    | 5100000 | 3100000  |
| 50.413387780 | 21.719844650  | 0.05  | -0.38 | -0.28 | 0.26   | 0.25   | 0.49    | 5150000 | 3100000  |
| 50.339610010 | 22.414793610  | 0.03  | -0.43 | -0.36 | 0.28   | 0.27   | 0.52    | 5200000 | 3100000  |
| 50.261636050 | 23.107710360  | -0.13 | -0.56 | -0.61 | 0.24   | 0.24   | 0.48    | 5250000 | 3100000  |
| 50.179486120 | 23.798496080  | -0.14 | -0.60 | -0.93 | 0.28   | 0.28   | 0.49    | 5300000 | 3100000  |
| 50.093181340 | 24.487054540  | -0.04 | -0.59 | -1.05 | 0.32   | 0.32   | 0.54    | 5350000 | 3100000  |
| 50.002743700 | 25.173292140  | -0.01 | -0.59 | -0.94 | 0.34   | 0.34   | 0.57    | 5400000 | 3100000  |
| 49.485759890 | -5.602834950  | 0.20  | -0.18 | -1.55 | 0.38   | 0.38   | 0.67    | 3200000 | 3050000  |
| 49.578671860 | -4.924457966  | 0.16  | -0.24 | -1.71 | 0.36   | 0.36   | 0.64    | 3250000 | 3050000  |
| 49.832870210 | -2.875785993  | -0.11 | -0.32 | -1.54 | 0.37   | 0.37   | 0.63    | 3400000 | 3050000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 49.909353560 | -2.188685594 | -0.08 | -0.33 | -1.35 | 0.33   | 0.34   | 0.57    | 3450000 | 3050000  |
| 49.981679210 | -1.499638507 | -0.03 | -0.33 | -1.33 | 0.31   | 0.32   | 0.53    | 3500000 | 3050000  |
| 50.049828690 | -0.808743197 | 0.02  | -0.28 | -1.36 | 0.35   | 0.35   | 0.59    | 3550000 | 3050000  |
| 50.113784490 | -0.116100363 | 0.07  | -0.21 | -1.34 | 0.35   | 0.35   | 0.59    | 3600000 | 3050000  |
| 50.173530040 | 0.578187156  | 0.07  | -0.18 | -1.35 | 0.33   | 0.33   | 0.55    | 3650000 | 3050000  |
| 50.229049770 | 1.274014496  | 0.05  | -0.09 | -1.45 | 0.30   | 0.30   | 0.50    | 3700000 | 3050000  |
| 50.280329110 | 1.971274874  | 0.04  | 0.03  | -1.43 | 0.26   | 0.26   | 0.45    | 3750000 | 3050000  |
| 50.327354530 | 2.669859715  | -0.05 | -0.04 | -1.14 | 0.27   | 0.27   | 0.46    | 3800000 | 3050000  |
| 50.370113550 | 3.369658767  | -0.12 | -0.20 | -0.86 | 0.27   | 0.27   | 0.46    | 3850000 | 3050000  |
| 50.408594790 | 4.070560240  | -0.11 | -0.33 | -0.76 | 0.29   | 0.29   | 0.50    | 3900000 | 3050000  |
| 50.442787930 | 4.772450930  | -0.14 | -0.41 | -0.47 | 0.25   | 0.25   | 0.42    | 3950000 | 3050000  |
| 50.472683790 | 5.475216364  | -0.23 | -0.45 | -0.05 | 0.24   | 0.24   | 0.41    | 4000000 | 3050000  |
| 50.498274290 | 6.178740938  | -0.21 | -0.39 | 0.15  | 0.26   | 0.26   | 0.44    | 4050000 | 3050000  |
| 50.519552530 | 6.882908065  | -0.12 | -0.18 | 0.23  | 0.23   | 0.23   | 0.42    | 4100000 | 3050000  |
| 50.536512720 | 7.587600319  | -0.12 | 0.03  | 0.18  | 0.26   | 0.26   | 0.46    | 4150000 | 3050000  |
| 50.549150250 | 8.292699591  | -0.17 | 0.09  | -0.09 | 0.24   | 0.24   | 0.43    | 4200000 | 3050000  |
| 50.557461690 | 8.998087238  | -0.06 | -0.02 | -0.55 | 0.25   | 0.25   | 0.45    | 4250000 | 3050000  |
| 50.561444770 | 9.703644238  | 0.12  | -0.09 | -0.81 | 0.25   | 0.25   | 0.45    | 4300000 | 3050000  |
| 50.561098400 | 10.409251350 | 0.10  | -0.14 | -0.79 | 0.26   | 0.26   | 0.46    | 4350000 | 3050000  |
| 50.556422680 | 11.114789260 | -0.06 | -0.28 | -0.68 | 0.23   | 0.22   | 0.41    | 4400000 | 3050000  |
| 50.547418880 | 11.820138760 | -0.22 | -0.40 | -0.47 | 0.24   | 0.24   | 0.43    | 4450000 | 3050000  |
| 50.534089460 | 12.525180870 | -0.23 | -0.28 | -0.28 | 0.25   | 0.26   | 0.47    | 4500000 | 3050000  |
| 50.516438050 | 13.229797020 | -0.14 | -0.16 | -0.30 | 0.29   | 0.29   | 0.53    | 4550000 | 3050000  |
| 50.494469430 | 13.933869210 | -0.03 | -0.14 | -0.35 | 0.27   | 0.28   | 0.50    | 4600000 | 3050000  |
| 50.468189570 | 14.637280140 | 0.02  | -0.18 | -0.29 | 0.27   | 0.27   | 0.48    | 4650000 | 3050000  |
| 50.437605580 | 15.339913350 | 0.04  | -0.17 | -0.21 | 0.29   | 0.30   | 0.52    | 4700000 | 3050000  |
| 50.402725700 | 16.041653430 | 0.05  | -0.14 | -0.17 | 0.25   | 0.26   | 0.47    | 4750000 | 3050000  |
| 50.363559290 | 16.742386090 | 0.01  | -0.21 | -0.15 | 0.24   | 0.26   | 0.45    | 4800000 | 3050000  |
| 50.320116850 | 17.441998340 | -0.12 | -0.22 | -0.01 | 0.24   | 0.24   | 0.44    | 4850000 | 3050000  |
| 50.272409940 | 18.140378630 | -0.19 | -0.07 | -0.02 | 0.27   | 0.27   | 0.50    | 4900000 | 3050000  |
| 50.220451200 | 18.837416980 | -0.14 | -0.01 | -0.27 | 0.28   | 0.28   | 0.51    | 4950000 | 3050000  |
| 50.164254330 | 19.533005070 | -0.06 | -0.12 | -0.49 | 0.26   | 0.26   | 0.48    | 5000000 | 3050000  |
| 50.103834070 | 20.227036440 | -0.13 | -0.22 | -0.51 | 0.24   | 0.24   | 0.45    | 5050000 | 3050000  |
| 50.039206150 | 20.919406520 | -0.17 | -0.23 | -0.52 | 0.26   | 0.26   | 0.48    | 5100000 | 3050000  |
| 49.970387270 | 21.610012830 | -0.04 | -0.27 | -0.52 | 0.27   | 0.26   | 0.50    | 5150000 | 3050000  |
| 49.897395130 | 22.298755000 | -0.02 | -0.36 | -0.36 | 0.28   | 0.28   | 0.52    | 5200000 | 3050000  |
| 49.820248320 | 22.985534950 | -0.13 | -0.45 | -0.34 | 0.28   | 0.28   | 0.52    | 5250000 | 3050000  |
| 49.738966340 | 23.670256920 | -0.14 | -0.53 | -0.64 | 0.26   | 0.26   | 0.47    | 5300000 | 3050000  |
| 49.653569560 | 24.352827600 | -0.03 | -0.60 | -0.92 | 0.29   | 0.29   | 0.50    | 5350000 | 3050000  |
| 49.470517300 | 25.711154530 | -0.18 | -0.69 | -0.60 | 0.22   | 0.22   | 0.39    | 5450000 | 3050000  |
| 49.372906640 | 26.386737030 | -0.41 | -0.58 | -0.49 | 0.29   | 0.29   | 0.49    | 5500000 | 3050000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 49.271270760 | 27.059820880 | -0.40 | -0.67 | -0.35 | 0.26   | 0.26   | 0.46    | 5550000 | 3050000  |
| 49.165633930 | 27.730326060 | -0.21 | -0.80 | -0.17 | 0.24   | 0.24   | 0.42    | 5600000 | 3050000  |
| 49.056021070 | 28.398175340 | -0.21 | -0.61 | -0.29 | 0.28   | 0.28   | 0.49    | 5650000 | 3050000  |
| 49.227466860 | -4.113499498 | 0.07  | -0.28 | -1.87 | 0.36   | 0.36   | 0.62    | 3300000 | 3000000  |
| 49.311325700 | -3.436454095 | -0.02 | -0.34 | -1.81 | 0.36   | 0.36   | 0.61    | 3350000 | 3000000  |
| 49.391105790 | -2.757344486 | -0.02 | -0.36 | -1.58 | 0.36   | 0.36   | 0.61    | 3400000 | 3000000  |
| 49.466787610 | -2.076261531 | 0.02  | -0.39 | -1.39 | 0.29   | 0.29   | 0.49    | 3450000 | 3000000  |
| 49.538352480 | -1.393298383 | 0.10  | -0.37 | -1.43 | 0.22   | 0.22   | 0.39    | 3500000 | 3000000  |
| 49.605782600 | -0.708550407 | 0.10  | -0.17 | -1.47 | 0.31   | 0.31   | 0.53    | 3550000 | 3000000  |
| 49.669061060 | -0.022115086 | 0.13  | -0.05 | -1.50 | 0.27   | 0.27   | 0.46    | 3600000 | 3000000  |
| 49.728171900 | 0.665908074  | 0.03  | -0.15 | -1.50 | 0.23   | 0.22   | 0.39    | 3650000 | 3000000  |
| 49.783100110 | 1.355417646  | -0.09 | -0.25 | -1.53 | 0.22   | 0.22   | 0.38    | 3700000 | 3000000  |
| 49.833831630 | 2.046310392  | -0.09 | -0.15 | -1.39 | 0.25   | 0.26   | 0.44    | 3750000 | 3000000  |
| 49.880353440 | 2.738481376  | -0.11 | -0.15 | -1.14 | 0.27   | 0.27   | 0.47    | 3800000 | 3000000  |
| 49.922653510 | 3.431824080  | -0.14 | -0.25 | -1.07 | 0.27   | 0.27   | 0.47    | 3850000 | 3000000  |
| 49.960720860 | 4.126230526  | -0.11 | -0.32 | -1.03 | 0.26   | 0.26   | 0.45    | 3900000 | 3000000  |
| 49.994545560 | 4.821591407  | -0.12 | -0.35 | -0.76 | 0.24   | 0.24   | 0.41    | 3950000 | 3000000  |
| 50.024118760 | 5.517796212  | -0.26 | -0.41 | -0.27 | 0.26   | 0.26   | 0.44    | 4000000 | 3000000  |
| 50.049432690 | 6.214733365  | -0.37 | -0.40 | 0.12  | 0.23   | 0.23   | 0.42    | 4050000 | 3000000  |
| 50.070480680 | 6.912290358  | -0.24 | -0.19 | 0.31  | 0.26   | 0.25   | 0.45    | 4100000 | 3000000  |
| 50.087257170 | 7.610353894  | -0.14 | -0.06 | 0.17  | 0.26   | 0.25   | 0.46    | 4150000 | 3000000  |
| 50.099757720 | 8.308810028  | -0.12 | -0.09 | -0.34 | 0.25   | 0.25   | 0.44    | 4200000 | 3000000  |
| 50.107979030 | 9.007544314  | -0.05 | -0.11 | -0.75 | 0.25   | 0.25   | 0.44    | 4250000 | 3000000  |
| 50.111918900 | 9.706441947  | 0.01  | -0.08 | -0.73 | 0.26   | 0.26   | 0.48    | 4300000 | 3000000  |
| 50.111576290 | 10.405387910 | -0.07 | -0.12 | -0.53 | 0.31   | 0.31   | 0.53    | 4350000 | 3000000  |
| 50.106951290 | 11.104267140 | -0.19 | -0.21 | -0.36 | 0.30   | 0.30   | 0.52    | 4400000 | 3000000  |
| 50.098045130 | 11.802964620 | -0.29 | -0.21 | -0.24 | 0.29   | 0.29   | 0.50    | 4450000 | 3000000  |
| 50.084860170 | 12.501365620 | -0.27 | -0.09 | -0.19 | 0.23   | 0.24   | 0.43    | 4500000 | 3000000  |
| 50.067399910 | 13.199355750 | -0.10 | -0.04 | -0.42 | 0.28   | 0.29   | 0.51    | 4550000 | 3000000  |
| 50.045668970 | 13.896821170 | 0.01  | -0.09 | -0.62 | 0.27   | 0.28   | 0.49    | 4600000 | 3000000  |
| 50.019673080 | 14.593648680 | 0.04  | -0.17 | -0.66 | 0.21   | 0.22   | 0.41    | 4650000 | 3000000  |
| 49.989419090 | 15.289725930 | 0.01  | -0.16 | -0.47 | 0.29   | 0.30   | 0.53    | 4700000 | 3000000  |
| 49.954914950 | 15.984941500 | 0.00  | -0.20 | -0.28 | 0.27   | 0.28   | 0.52    | 4750000 | 3000000  |
| 49.916169670 | 16.679185060 | -0.02 | -0.31 | -0.14 | 0.27   | 0.28   | 0.50    | 4800000 | 3000000  |
| 49.873193350 | 17.372347510 | -0.07 | -0.26 | -0.05 | 0.29   | 0.30   | 0.52    | 4850000 | 3000000  |
| 49.825997150 | 18.064321090 | -0.09 | -0.13 | -0.07 | 0.26   | 0.26   | 0.48    | 4900000 | 3000000  |
| 49.774593260 | 18.754999540 | -0.02 | -0.10 | -0.22 | 0.28   | 0.28   | 0.51    | 4950000 | 3000000  |
| 49.718994860 | 19.444278180 | 0.04  | -0.20 | -0.31 | 0.26   | 0.26   | 0.48    | 5000000 | 3000000  |
| 49.659216170 | 20.132054050 | -0.04 | -0.25 | -0.37 | 0.25   | 0.25   | 0.45    | 5050000 | 3000000  |
| 49.595272340 | 20.818226030 | -0.13 | -0.16 | -0.65 | 0.25   | 0.25   | 0.46    | 5100000 | 3000000  |
| 49.527179500 | 21.502694930 | -0.09 | -0.12 | -0.72 | 0.27   | 0.26   | 0.49    | 5150000 | 3000000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 49.454954700 | 22.185363600 | -0.13 | -0.18 | -0.37 | 0.25   | 0.25   | 0.47    | 5200000 | 3000000  |
| 49.378615880 | 22.866137020 | -0.22 | -0.26 | -0.20 | 0.27   | 0.27   | 0.49    | 5250000 | 3000000  |
| 49.298181860 | 23.544922400 | -0.20 | -0.37 | -0.51 | 0.25   | 0.25   | 0.46    | 5300000 | 3000000  |
| 49.213672290 | 24.221629260 | 0.03  | -0.56 | -1.02 | 0.26   | 0.26   | 0.46    | 5350000 | 3000000  |
| 49.125107650 | 24.896169500 | 0.16  | -0.70 | -1.17 | 0.28   | 0.28   | 0.48    | 5400000 | 3000000  |
| 49.032509200 | 25.568457480 | -0.12 | -0.65 | -0.78 | 0.31   | 0.31   | 0.51    | 5450000 | 3000000  |
| 48.935898960 | 26.238410100 | -0.46 | -0.58 | -0.42 | 0.26   | 0.26   | 0.46    | 5500000 | 3000000  |
| 48.835299670 | 26.905946840 | -0.45 | -0.70 | -0.31 | 0.32   | 0.32   | 0.56    | 5550000 | 3000000  |
| 48.730734760 | 27.570989800 | -0.40 | -0.82 | -0.18 | 0.31   | 0.31   | 0.55    | 5600000 | 3000000  |
| 48.622228320 | 28.233463800 | -0.30 | -0.75 | -0.21 | 0.30   | 0.30   | 0.52    | 5650000 | 3000000  |
| 48.509805070 | 28.893296360 | -0.32 | -0.61 | -0.27 | 0.27   | 0.27   | 0.47    | 5700000 | 3000000  |
| 48.609106350 | -5.322403980 | 0.24  | -0.13 | -1.27 | 0.36   | 0.36   | 0.63    | 3200000 | 2950000  |
| 48.700124890 | -4.655358280 | 0.29  | -0.18 | -1.58 | 0.28   | 0.28   | 0.48    | 3250000 | 2950000  |
| 48.787143320 | -3.986148273 | 0.12  | -0.26 | -2.08 | 0.24   | 0.24   | 0.42    | 3300000 | 2950000  |
| 48.870141210 | -3.314857490 | -0.02 | -0.40 | -1.91 | 0.21   | 0.22   | 0.39    | 3350000 | 2950000  |
| 48.949098930 | -2.641571787 | 0.04  | -0.36 | -1.53 | 0.31   | 0.32   | 0.53    | 3400000 | 2950000  |
| 49.023997630 | -1.966379271 | 0.12  | -0.29 | -1.38 | 0.30   | 0.30   | 0.51    | 3450000 | 2950000  |
| 49.094819280 | -1.289370230 | 0.14  | -0.21 | -1.41 | 0.23   | 0.24   | 0.41    | 3500000 | 2950000  |
| 49.161546710 | -0.610637046 | 0.10  | -0.03 | -1.42 | 0.23   | 0.23   | 0.41    | 3550000 | 2950000  |
| 49.224163610 | 0.069725892  | 0.10  | 0.00  | -1.44 | 0.24   | 0.24   | 0.41    | 3600000 | 2950000  |
| 49.282654580 | 0.751622276  | 0.00  | -0.13 | -1.52 | 0.23   | 0.23   | 0.39    | 3650000 | 2950000  |
| 49.337005140 | 1.434953983  | -0.11 | -0.23 | -1.51 | 0.24   | 0.24   | 0.41    | 3700000 | 2950000  |
| 49.387201760 | 2.119621173  | -0.09 | -0.22 | -1.33 | 0.22   | 0.22   | 0.39    | 3750000 | 2950000  |
| 49.433231850 | 2.805522400  | -0.06 | -0.23 | -1.27 | 0.26   | 0.26   | 0.45    | 3800000 | 2950000  |
| 49.475083840 | 3.492554721  | -0.08 | -0.23 | -1.35 | 0.25   | 0.25   | 0.44    | 3850000 | 2950000  |
| 49.512747140 | 4.180613813  | -0.03 | -0.18 | -1.28 | 0.25   | 0.25   | 0.44    | 3900000 | 2950000  |
| 49.546212170 | 4.869594095  | -0.05 | -0.18 | -0.87 | 0.26   | 0.26   | 0.45    | 3950000 | 2950000  |
| 49.575470410 | 5.559388848  | -0.20 | -0.24 | -0.34 | 0.24   | 0.24   | 0.42    | 4000000 | 2950000  |
| 49.600514370 | 6.249890346  | -0.34 | -0.21 | 0.02  | 0.23   | 0.23   | 0.41    | 4050000 | 2950000  |
| 49.621337630 | 6.940989983  | -0.26 | -0.08 | 0.07  | 0.24   | 0.24   | 0.43    | 4100000 | 2950000  |
| 49.637934820 | 7.632578408  | -0.13 | -0.09 | -0.16 | 0.25   | 0.25   | 0.46    | 4150000 | 2950000  |
| 49.650301680 | 8.324545656  | -0.09 | -0.19 | -0.63 | 0.25   | 0.25   | 0.45    | 4200000 | 2950000  |
| 49.658435010 | 9.016781289  | -0.07 | -0.16 | -0.85 | 0.27   | 0.27   | 0.48    | 4250000 | 2950000  |
| 49.662332700 | 9.709174531  | -0.09 | -0.07 | -0.64 | 0.25   | 0.25   | 0.46    | 4300000 | 2950000  |
| 49.661993760 | 10.401614410 | -0.16 | -0.07 | -0.42 | 0.28   | 0.28   | 0.51    | 4350000 | 2950000  |
| 49.657418270 | 11.093989890 | -0.25 | -0.07 | -0.27 | 0.28   | 0.28   | 0.51    | 4400000 | 2950000  |
| 49.648607410 | 11.786190010 | -0.24 | 0.03  | -0.25 | 0.30   | 0.30   | 0.53    | 4450000 | 2950000  |
| 49.635563450 | 12.478104060 | -0.19 | 0.12  | -0.28 | 0.27   | 0.27   | 0.48    | 4500000 | 2950000  |
| 49.618289770 | 13.169621650 | -0.06 | 0.05  | -0.47 | 0.26   | 0.27   | 0.47    | 4550000 | 2950000  |
| 49.596790810 | 13.860632920 | 0.01  | -0.08 | -0.72 | 0.28   | 0.29   | 0.49    | 4600000 | 2950000  |
| 49.571072110 | 14.551028620 | 0.02  | -0.10 | -0.83 | 0.28   | 0.29   | 0.49    | 4650000 | 2950000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 49.541140250 | 15.240700270 | -0.02 | -0.10 | -0.71 | 0.28   | 0.29   | 0.51    | 4700000 | 2950000  |
| 49.507002900 | 15.929540300 | -0.07 | -0.21 | -0.50 | 0.25   | 0.26   | 0.50    | 4750000 | 2950000  |
| 49.468668740 | 16.617442180 | -0.07 | -0.32 | -0.29 | 0.29   | 0.29   | 0.54    | 4800000 | 2950000  |
| 49.426147520 | 17.304300500 | -0.04 | -0.25 | -0.19 | 0.28   | 0.28   | 0.52    | 4850000 | 2950000  |
| 49.379449980 | 17.990011160 | 0.00  | -0.12 | -0.24 | 0.25   | 0.25   | 0.47    | 4900000 | 2950000  |
| 49.328587860 | 18.674471450 | 0.02  | -0.10 | -0.36 | 0.25   | 0.25   | 0.44    | 4950000 | 2950000  |
| 49.273573900 | 19.357580170 | 0.01  | -0.17 | -0.31 | 0.27   | 0.27   | 0.46    | 5000000 | 2950000  |
| 49.214421780 | 20.039237750 | -0.04 | -0.15 | -0.32 | 0.24   | 0.24   | 0.42    | 5050000 | 2950000  |
| 49.151146130 | 20.719346350 | -0.09 | -0.04 | -0.64 | 0.27   | 0.27   | 0.47    | 5100000 | 2950000  |
| 49.083762510 | 21.397809960 | -0.11 | 0.01  | -0.76 | 0.25   | 0.25   | 0.43    | 5150000 | 2950000  |
| 49.012287360 | 22.074534520 | -0.24 | 0.03  | -0.45 | 0.23   | 0.23   | 0.41    | 5200000 | 2950000  |
| 48.936737980 | 22.749427950 | -0.30 | -0.11 | -0.42 | 0.30   | 0.30   | 0.51    | 5250000 | 2950000  |
| 48.857132550 | 23.422400330 | -0.24 | -0.28 | -0.66 | 0.29   | 0.29   | 0.50    | 5300000 | 2950000  |
| 48.773490030 | 24.093363900 | 0.06  | -0.59 | -1.15 | 0.27   | 0.27   | 0.46    | 5350000 | 2950000  |
| 48.685830190 | 24.762233170 | 0.27  | -0.83 | -1.34 | 0.25   | 0.25   | 0.42    | 5400000 | 2950000  |
| 48.594173570 | 25.428924990 | 0.06  | -0.74 | -0.99 | 0.28   | 0.28   | 0.48    | 5450000 | 2950000  |
| 48.498541430 | 26.093358600 | -0.23 | -0.60 | -0.69 | 0.26   | 0.26   | 0.46    | 5500000 | 2950000  |
| 48.398955740 | 26.755455710 | -0.48 | -0.70 | -0.49 | 0.32   | 0.32   | 0.57    | 5550000 | 2950000  |
| 48.295439140 | 27.415140530 | -0.71 | -0.88 | -0.31 | 0.26   | 0.26   | 0.54    | 5600000 | 2950000  |
| 48.188014910 | 28.072339830 | -0.45 | -0.98 | -0.24 | 0.26   | 0.26   | 0.48    | 5650000 | 2950000  |
| 48.076706960 | 28.726982970 | -0.42 | -0.92 | -0.27 | 0.30   | 0.30   | 0.51    | 5700000 | 2950000  |
| 47.961539770 | 29.379001960 | -0.66 | -1.02 | -0.37 | 0.26   | 0.26   | 0.43    | 5750000 | 2950000  |
| 48.170294920 | -5.186811029 | 0.23  | -0.10 | -1.15 | 0.35   | 0.35   | 0.61    | 3200000 | 2900000  |
| 48.260398380 | -4.525261924 | 0.32  | -0.12 | -1.32 | 0.23   | 0.23   | 0.39    | 3250000 | 2900000  |
| 48.346538140 | -3.861619875 | 0.16  | -0.15 | -1.65 | 0.23   | 0.23   | 0.40    | 3300000 | 2900000  |
| 48.428694500 | -3.195965991 | 0.02  | -0.29 | -1.51 | 0.25   | 0.25   | 0.43    | 3350000 | 2900000  |
| 48.506848490 | -2.528383590 | 0.06  | -0.34 | -1.21 | 0.23   | 0.24   | 0.40    | 3400000 | 2900000  |
| 48.580981900 | -1.858958130 | 0.14  | -0.21 | -1.19 | 0.20   | 0.20   | 0.36    | 3450000 | 2900000  |
| 48.651077340 | -1.187777133 | 0.03  | -0.08 | -1.11 | 0.24   | 0.24   | 0.41    | 3500000 | 2900000  |
| 48.717118230 | -0.514930111 | 0.01  | -0.04 | -0.99 | 0.25   | 0.25   | 0.43    | 3550000 | 2900000  |
| 48.779088840 | 0.159491523  | 0.08  | -0.10 | -1.12 | 0.26   | 0.26   | 0.44    | 3600000 | 2900000  |
| 48.836974300 | 0.835394537  | 0.06  | -0.14 | -1.37 | 0.23   | 0.23   | 0.39    | 3650000 | 2900000  |
| 48.890760650 | 1.512683979  | -0.05 | -0.08 | -1.37 | 0.23   | 0.23   | 0.39    | 3700000 | 2900000  |
| 48.940434840 | 2.191263270  | -0.04 | -0.12 | -1.17 | 0.23   | 0.23   | 0.38    | 3750000 | 2900000  |
| 48.985984730 | 2.871034311  | 0.01  | -0.18 | -1.24 | 0.22   | 0.22   | 0.39    | 3800000 | 2900000  |
| 49.027399150 | 3.551897585  | -0.02 | -0.06 | -1.32 | 0.27   | 0.27   | 0.46    | 3850000 | 2900000  |
| 49.064667890 | 4.233752271  | -0.03 | 0.01  | -1.13 | 0.28   | 0.28   | 0.49    | 3900000 | 2900000  |
| 49.097781740 | 4.916496355  | -0.07 | -0.03 | -0.80 | 0.26   | 0.26   | 0.46    | 3950000 | 2900000  |
| 49.126732460 | 5.600026749  | -0.20 | -0.12 | -0.55 | 0.25   | 0.25   | 0.44    | 4000000 | 2900000  |
| 49.151512850 | 6.284239411  | -0.33 | -0.09 | -0.52 | 0.24   | 0.24   | 0.42    | 4050000 | 2900000  |
| 49.172116700 | 6.969029467  | -0.27 | 0.04  | -0.58 | 0.23   | 0.23   | 0.41    | 4100000 | 2900000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 49.188538860 | 7.654291337  | -0.14 | 0.01  | -0.64 | 0.26   | 0.26   | 0.46    | 4150000 | 2900000  |
| 49.200775200 | 8.339918865  | -0.05 | -0.06 | -0.81 | 0.24   | 0.24   | 0.44    | 4200000 | 2900000  |
| 49.208822640 | 9.025805442  | 0.02  | -0.06 | -0.93 | 0.25   | 0.25   | 0.46    | 4250000 | 2900000  |
| 49.212679170 | 9.711844144  | 0.01  | -0.04 | -0.83 | 0.26   | 0.26   | 0.48    | 4300000 | 2900000  |
| 49.212343810 | 10.397927860 | -0.05 | -0.05 | -0.66 | 0.31   | 0.31   | 0.55    | 4350000 | 2900000  |
| 49.207816640 | 11.083949410 | -0.12 | -0.02 | -0.48 | 0.33   | 0.33   | 0.57    | 4400000 | 2900000  |
| 49.199098810 | 11.769801720 | -0.14 | 0.08  | -0.34 | 0.32   | 0.32   | 0.56    | 4450000 | 2900000  |
| 49.186192500 | 12.455377900 | -0.10 | 0.10  | -0.23 | 0.26   | 0.26   | 0.47    | 4500000 | 2900000  |
| 49.169100970 | 13.140571400 | -0.05 | -0.02 | -0.24 | 0.22   | 0.22   | 0.40    | 4550000 | 2900000  |
| 49.147828500 | 13.825276150 | -0.04 | -0.05 | -0.47 | 0.26   | 0.27   | 0.47    | 4600000 | 2900000  |
| 49.122380420 | 14.509386680 | 0.01  | 0.00  | -0.70 | 0.24   | 0.25   | 0.43    | 4650000 | 2900000  |
| 49.092763080 | 15.192798230 | -0.03 | 0.01  | -0.73 | 0.21   | 0.22   | 0.39    | 4700000 | 2900000  |
| 49.058983870 | 15.875406910 | -0.13 | -0.18 | -0.58 | 0.26   | 0.27   | 0.49    | 4750000 | 2900000  |
| 49.021051180 | 16.557109800 | -0.14 | -0.27 | -0.47 | 0.26   | 0.26   | 0.49    | 4800000 | 2900000  |
| 48.978974370 | 17.237805060 | -0.02 | -0.19 | -0.43 | 0.27   | 0.27   | 0.48    | 4850000 | 2900000  |
| 48.932763820 | 17.917392070 | 0.07  | -0.13 | -0.49 | 0.29   | 0.29   | 0.50    | 4900000 | 2900000  |
| 48.882430850 | 18.595771540 | 0.05  | -0.16 | -0.59 | 0.26   | 0.26   | 0.45    | 4950000 | 2900000  |
| 48.827987730 | 19.272845600 | -0.02 | -0.15 | -0.59 | 0.24   | 0.24   | 0.41    | 5000000 | 2900000  |
| 48.769447680 | 19.948517930 | -0.07 | 0.01  | -0.58 | 0.26   | 0.26   | 0.43    | 5050000 | 2900000  |
| 48.706824810 | 20.622693850 | -0.09 | 0.02  | -0.80 | 0.29   | 0.29   | 0.49    | 5100000 | 2900000  |
| 48.640134110 | 21.295280400 | -0.16 | -0.05 | -0.92 | 0.22   | 0.22   | 0.38    | 5150000 | 2900000  |
| 48.569391460 | 21.966186470 | -0.36 | -0.11 | -0.76 | 0.23   | 0.23   | 0.41    | 5200000 | 2900000  |
| 48.494613570 | 22.635322870 | -0.42 | -0.10 | -0.74 | 0.23   | 0.23   | 0.42    | 5250000 | 2900000  |
| 48.415817960 | 23.302602400 | -0.28 | -0.28 | -0.87 | 0.33   | 0.33   | 0.55    | 5300000 | 2900000  |
| 48.333022960 | 23.967939930 | -0.11 | -0.58 | -1.02 | 0.33   | 0.33   | 0.54    | 5350000 | 2900000  |
| 48.246247660 | 24.631252500 | 0.07  | -0.88 | -1.09 | 0.27   | 0.27   | 0.46    | 5400000 | 2900000  |
| 48.155511890 | 25.292459360 | 0.14  | -0.91 | -1.00 | 0.26   | 0.26   | 0.45    | 5450000 | 2900000  |
| 48.060836190 | 25.951482030 | -0.02 | -0.71 | -0.89 | 0.27   | 0.27   | 0.47    | 5500000 | 2900000  |
| 47.962241800 | 26.608244380 | -0.28 | -0.64 | -0.75 | 0.28   | 0.28   | 0.50    | 5550000 | 2900000  |
| 47.859750590 | 27.262672670 | -0.49 | -0.66 | -0.52 | 0.29   | 0.29   | 0.53    | 5600000 | 2900000  |
| 47.753385080 | 27.914695560 | -0.38 | -0.72 | -0.37 | 0.31   | 0.31   | 0.54    | 5650000 | 2900000  |
| 47.643168380 | 28.564244220 | -0.32 | -0.84 | -0.33 | 0.25   | 0.25   | 0.44    | 5700000 | 2900000  |
| 47.529124170 | 29.211252320 | -0.39 | -0.81 | -0.49 | 0.31   | 0.31   | 0.51    | 5750000 | 2900000  |
| 47.411276670 | 29.855656040 | -0.32 | -0.65 | -0.67 | 0.30   | 0.30   | 0.50    | 5800000 | 2900000  |
| 47.731161870 | -5.054174106 | 0.16  | -0.08 | -1.13 | 0.39   | 0.39   | 0.70    | 3200000 | 2850000  |
| 47.820370480 | -4.398012791 | 0.17  | -0.09 | -1.26 | 0.31   | 0.32   | 0.55    | 3250000 | 2850000  |
| 47.905651130 | -3.739826996 | 0.12  | -0.10 | -1.37 | 0.22   | 0.22   | 0.40    | 3300000 | 2850000  |
| 47.986984770 | -3.079695489 | 0.00  | -0.21 | -1.26 | 0.24   | 0.25   | 0.43    | 3350000 | 2850000  |
| 48.064353090 | -2.417699136 | -0.04 | -0.33 | -1.08 | 0.26   | 0.26   | 0.44    | 3400000 | 2850000  |
| 48.137738490 | -1.753920836 | -0.03 | -0.34 | -1.06 | 0.23   | 0.24   | 0.41    | 3450000 | 2850000  |
| 48.207124190 | -1.088445448 | -0.03 | -0.22 | -0.93 | 0.26   | 0.26   | 0.44    | 3500000 | 2850000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 48.272494180 | -0.421359717 | 0.00  | -0.14 | -0.84 | 0.26   | 0.26   | 0.44    | 3550000 | 2850000  |
| 48.333833280 | 0.247247804  | 0.08  | -0.15 | -1.02 | 0.26   | 0.26   | 0.45    | 3600000 | 2850000  |
| 48.391127140 | 0.917286842  | 0.10  | -0.13 | -1.33 | 0.26   | 0.26   | 0.44    | 3650000 | 2850000  |
| 48.444362280 | 1.588665489  | 0.01  | -0.09 | -1.37 | 0.24   | 0.24   | 0.41    | 3700000 | 2850000  |
| 48.493526120 | 2.261290300  | -0.03 | -0.14 | -1.16 | 0.23   | 0.23   | 0.39    | 3750000 | 2850000  |
| 48.538606930 | 2.935066384  | -0.01 | -0.11 | -1.15 | 0.26   | 0.25   | 0.43    | 3800000 | 2850000  |
| 48.579593960 | 3.609897513  | -0.04 | 0.05  | -1.12 | 0.26   | 0.26   | 0.45    | 3850000 | 2850000  |
| 48.616477360 | 4.285686219  | -0.08 | 0.10  | -0.98 | 0.27   | 0.27   | 0.46    | 3900000 | 2850000  |
| 48.649248230 | 4.962333907  | -0.15 | -0.04 | -0.85 | 0.26   | 0.27   | 0.46    | 3950000 | 2850000  |
| 48.677898630 | 5.639740964  | -0.22 | -0.15 | -1.05 | 0.26   | 0.26   | 0.45    | 4000000 | 2850000  |
| 48.702421620 | 6.317806876  | -0.24 | -0.14 | -1.38 | 0.25   | 0.25   | 0.43    | 4050000 | 2850000  |
| 48.722811220 | 6.996430339  | -0.20 | -0.06 | -1.31 | 0.27   | 0.27   | 0.46    | 4100000 | 2850000  |
| 48.739062450 | 7.675509385  | -0.12 | -0.01 | -1.05 | 0.21   | 0.21   | 0.37    | 4150000 | 2850000  |
| 48.751171350 | 8.354941497  | 0.01  | 0.01  | -0.84 | 0.26   | 0.26   | 0.45    | 4200000 | 2850000  |
| 48.759134930 | 9.034623732  | 0.14  | 0.03  | -0.89 | 0.26   | 0.25   | 0.47    | 4250000 | 2850000  |
| 48.762951260 | 9.714452847  | 0.16  | -0.03 | -0.95 | 0.28   | 0.28   | 0.51    | 4300000 | 2850000  |
| 48.762619400 | 10.394325420 | 0.09  | -0.06 | -0.90 | 0.28   | 0.28   | 0.51    | 4350000 | 2850000  |
| 48.758139420 | 11.074137980 | 0.03  | -0.01 | -0.70 | 0.32   | 0.32   | 0.57    | 4400000 | 2850000  |
| 48.749512420 | 11.753787130 | -0.03 | 0.03  | -0.41 | 0.34   | 0.34   | 0.59    | 4450000 | 2850000  |
| 48.736740530 | 12.433169660 | -0.08 | 0.04  | -0.15 | 0.31   | 0.31   | 0.53    | 4500000 | 2850000  |
| 48.719826870 | 13.112182690 | -0.14 | 0.06  | -0.05 | 0.28   | 0.29   | 0.49    | 4550000 | 2850000  |
| 48.698775560 | 13.790723780 | -0.14 | 0.13  | -0.14 | 0.26   | 0.26   | 0.45    | 4600000 | 2850000  |
| 48.673591760 | 14.468691060 | -0.04 | 0.11  | -0.33 | 0.25   | 0.26   | 0.44    | 4650000 | 2850000  |
| 48.644281590 | 15.145983350 | -0.03 | -0.03 | -0.55 | 0.27   | 0.28   | 0.47    | 4700000 | 2850000  |
| 48.610852160 | 15.822500270 | -0.12 | -0.11 | -0.68 | 0.27   | 0.27   | 0.48    | 4750000 | 2850000  |
| 48.573311560 | 16.498142360 | -0.11 | -0.05 | -0.76 | 0.26   | 0.27   | 0.48    | 4800000 | 2850000  |
| 48.531668840 | 17.172811200 | 0.07  | 0.01  | -0.72 | 0.23   | 0.23   | 0.40    | 4850000 | 2850000  |
| 48.485933990 | 17.846409520 | 0.16  | -0.07 | -0.66 | 0.26   | 0.26   | 0.44    | 4900000 | 2850000  |
| 48.436117940 | 18.518841280 | 0.09  | -0.15 | -0.70 | 0.28   | 0.28   | 0.47    | 4950000 | 2850000  |
| 48.382232530 | 19.190011830 | -0.01 | -0.06 | -0.82 | 0.26   | 0.27   | 0.45    | 5000000 | 2850000  |
| 48.324290500 | 19.859827960 | -0.05 | 0.17  | -0.96 | 0.22   | 0.23   | 0.38    | 5050000 | 2850000  |
| 48.262305480 | 20.528198020 | -0.10 | 0.03  | -1.12 | 0.27   | 0.27   | 0.46    | 5100000 | 2850000  |
| 48.196291930 | 21.195032000 | -0.23 | -0.20 | -1.18 | 0.29   | 0.29   | 0.49    | 5150000 | 2850000  |
| 48.126265180 | 21.860241640 | -0.41 | -0.40 | -1.18 | 0.26   | 0.26   | 0.44    | 5200000 | 2850000  |
| 48.052241360 | 22.523740480 | -0.42 | -0.33 | -1.18 | 0.26   | 0.26   | 0.44    | 5250000 | 2850000  |
| 47.974237400 | 23.185443970 | -0.36 | -0.30 | -1.07 | 0.29   | 0.29   | 0.49    | 5300000 | 2850000  |
| 47.892270980 | 23.845269550 | -0.40 | -0.48 | -0.85 | 0.30   | 0.30   | 0.50    | 5350000 | 2850000  |
| 47.806360560 | 24.503136660 | -0.43 | -0.73 | -0.63 | 0.26   | 0.26   | 0.43    | 5400000 | 2850000  |
| 47.716525290 | 25.158966890 | -0.17 | -0.80 | -0.84 | 0.28   | 0.28   | 0.47    | 5450000 | 2850000  |
| 47.622785020 | 25.812683980 | 0.03  | -0.77 | -0.97 | 0.25   | 0.25   | 0.44    | 5500000 | 2850000  |
| 47.525160280 | 26.464213880 | -0.03 | -0.56 | -0.92 | 0.24   | 0.24   | 0.42    | 5550000 | 2850000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 47.423672210 | 27.113484830  | -0.19 | -0.39  | -0.66 | 0.26   | 0.26   | 0.44    | 5600000 | 2850000  |
| 47.318342600 | 27.760427380  | -0.20 | -0.33  | -0.51 | 0.28   | 0.28   | 0.48    | 5650000 | 2850000  |
| 47.209193780 | 28.404974420  | -0.19 | -0.52  | -0.53 | 0.28   | 0.28   | 0.47    | 5700000 | 2850000  |
| 47.096248690 | 29.047061240  | -0.23 | -0.57  | -0.63 | 0.26   | 0.26   | 0.43    | 5750000 | 2850000  |
| 46.979530730 | 29.686625570  | -0.29 | -0.56  | -0.79 | 0.25   | 0.25   | 0.42    | 5800000 | 2850000  |
| 39.431576030 | -31.900404740 | 2.11  | -11.96 | -1.27 | 0.39   | 0.39   | 0.70    | 900000  | 2800000  |
| 39.672477580 | -31.383652210 | 3.08  | -17.42 | -1.44 | 0.32   | 0.32   | 0.55    | 950000  | 2800000  |
| 39.910647120 | -30.863785970 | 2.39  | -13.56 | -1.41 | 0.38   | 0.38   | 0.66    | 1000000 | 2800000  |
| 47.291707890 | -4.924403741  | 0.10  | -0.08  | -1.16 | 0.42   | 0.42   | 0.76    | 3200000 | 2800000  |
| 47.380041290 | -4.273524215  | 0.11  | -0.11  | -1.32 | 0.37   | 0.37   | 0.66    | 3250000 | 2800000  |
| 47.464481780 | -3.620685919  | 0.11  | -0.19  | -1.56 | 0.29   | 0.30   | 0.51    | 3300000 | 2800000  |
| 47.545010950 | -2.965965356  | 0.03  | -0.25  | -1.57 | 0.23   | 0.23   | 0.40    | 3350000 | 2800000  |
| 47.621611100 | -2.309441024  | -0.05 | -0.29  | -1.28 | 0.28   | 0.28   | 0.47    | 3400000 | 2800000  |
| 47.694265250 | -1.651193351  | -0.04 | -0.37  | -1.08 | 0.25   | 0.26   | 0.44    | 3450000 | 2800000  |
| 47.762957170 | -0.991304628  | -0.01 | -0.32  | -1.00 | 0.24   | 0.24   | 0.42    | 3500000 | 2800000  |
| 47.827671420 | -0.329858937  | -0.01 | -0.19  | -1.00 | 0.23   | 0.24   | 0.41    | 3550000 | 2800000  |
| 47.888393330 | 0.333057924   | 0.03  | -0.14  | -1.15 | 0.25   | 0.25   | 0.43    | 3600000 | 2800000  |
| 47.945109050 | 0.997358526   | 0.06  | -0.12  | -1.36 | 0.26   | 0.26   | 0.44    | 3650000 | 2800000  |
| 47.997805570 | 1.662953888   | 0.02  | -0.17  | -1.38 | 0.24   | 0.23   | 0.41    | 3700000 | 2800000  |
| 48.046470750 | 2.329753572   | -0.04 | -0.21  | -1.23 | 0.26   | 0.26   | 0.44    | 3750000 | 2800000  |
| 48.091093270 | 2.997665769   | -0.07 | -0.16  | -1.14 | 0.23   | 0.23   | 0.39    | 3800000 | 2800000  |
| 48.131662760 | 3.666597403   | -0.09 | -0.01  | -1.01 | 0.25   | 0.25   | 0.44    | 3850000 | 2800000  |
| 48.168169710 | 4.336454224   | -0.11 | 0.00   | -0.89 | 0.27   | 0.27   | 0.48    | 3900000 | 2800000  |
| 48.200605530 | 5.007140911   | -0.14 | -0.09  | -0.96 | 0.26   | 0.27   | 0.46    | 3950000 | 2800000  |
| 48.228962590 | 5.678561183   | -0.13 | -0.14  | -1.35 | 0.27   | 0.28   | 0.47    | 4000000 | 2800000  |
| 48.253234160 | 6.350617903   | -0.09 | -0.18  | -1.76 | 0.24   | 0.24   | 0.42    | 4050000 | 2800000  |
| 48.273414500 | 7.023213187   | -0.06 | -0.20  | -1.51 | 0.28   | 0.28   | 0.46    | 4100000 | 2800000  |
| 48.289498790 | 7.696248522   | -0.03 | -0.17  | -1.05 | 0.25   | 0.25   | 0.42    | 4150000 | 2800000  |
| 48.301483200 | 8.369624874   | 0.05  | -0.04  | -0.63 | 0.25   | 0.25   | 0.44    | 4200000 | 2800000  |
| 48.309364890 | 9.043242809   | 0.17  | 0.01   | -0.67 | 0.27   | 0.27   | 0.48    | 4250000 | 2800000  |
| 48.313141960 | 9.717002606   | 0.20  | -0.03  | -0.82 | 0.27   | 0.27   | 0.50    | 4300000 | 2800000  |
| 48.312813500 | 10.390804380  | 0.17  | -0.01  | -0.81 | 0.30   | 0.30   | 0.54    | 4350000 | 2800000  |
| 48.308379610 | 11.064548190  | 0.15  | 0.04   | -0.74 | 0.26   | 0.26   | 0.48    | 4400000 | 2800000  |
| 48.299841340 | 11.738134160  | 0.11  | 0.02   | -0.41 | 0.29   | 0.29   | 0.51    | 4450000 | 2800000  |
| 48.287200720 | 12.411462630  | 0.00  | -0.01  | -0.08 | 0.27   | 0.27   | 0.48    | 4500000 | 2800000  |
| 48.270460780 | 13.084434200  | -0.10 | 0.12   | -0.07 | 0.27   | 0.28   | 0.48    | 4550000 | 2800000  |
| 48.249625510 | 13.756949920  | -0.10 | 0.23   | -0.25 | 0.25   | 0.25   | 0.44    | 4600000 | 2800000  |
| 48.224699840 | 14.428911360  | 0.02  | 0.07   | -0.45 | 0.24   | 0.24   | 0.44    | 4650000 | 2800000  |
| 48.195689710 | 15.100220770  | 0.07  | -0.12  | -0.69 | 0.26   | 0.26   | 0.48    | 4700000 | 2800000  |
| 48.162601960 | 15.770781120  | 0.03  | 0.00   | -0.93 | 0.25   | 0.25   | 0.47    | 4750000 | 2800000  |
| 48.125444410 | 16.440496290  | 0.04  | 0.21   | -1.03 | 0.25   | 0.26   | 0.48    | 4800000 | 2800000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 48.084225770 | 17.109271120  | 0.17  | 0.19   | -0.87 | 0.29   | 0.29   | 0.48    | 4850000 | 2800000  |
| 48.038955700 | 17.777011540  | 0.20  | 0.07   | -0.64 | 0.25   | 0.25   | 0.41    | 4900000 | 2800000  |
| 47.989644730 | 18.443624670  | 0.03  | -0.01  | -0.54 | 0.26   | 0.26   | 0.44    | 4950000 | 2800000  |
| 47.936304290 | 19.109018910  | -0.12 | 0.16   | -0.78 | 0.28   | 0.28   | 0.47    | 5000000 | 2800000  |
| 47.878946690 | 19.773104050  | -0.11 | 0.22   | -1.17 | 0.27   | 0.27   | 0.45    | 5050000 | 2800000  |
| 47.817585050 | 20.435791360  | -0.09 | 0.06   | -1.44 | 0.25   | 0.25   | 0.41    | 5100000 | 2800000  |
| 47.752233370 | 21.096993660  | -0.25 | -0.18  | -1.39 | 0.29   | 0.29   | 0.48    | 5150000 | 2800000  |
| 47.682906430 | 21.756625420  | -0.44 | -0.40  | -1.27 | 0.25   | 0.25   | 0.43    | 5200000 | 2800000  |
| 47.609619810 | 22.414602840  | -0.45 | -0.39  | -1.23 | 0.29   | 0.29   | 0.49    | 5250000 | 2800000  |
| 47.532389860 | 23.070843920  | -0.47 | -0.38  | -1.12 | 0.27   | 0.27   | 0.45    | 5300000 | 2800000  |
| 47.451233670 | 23.725268550  | -0.69 | -0.44  | -0.84 | 0.27   | 0.27   | 0.44    | 5350000 | 2800000  |
| 47.366169070 | 24.377798530  | -0.90 | -0.52  | -0.66 | 0.27   | 0.27   | 0.44    | 5400000 | 2800000  |
| 47.277214550 | 25.028357690  | -0.67 | -0.60  | -0.86 | 0.28   | 0.28   | 0.47    | 5450000 | 2800000  |
| 47.184389330 | 25.676871910  | -0.37 | -0.65  | -1.05 | 0.28   | 0.28   | 0.51    | 5500000 | 2800000  |
| 47.087713220 | 26.323269180  | -0.20 | -0.63  | -0.94 | 0.27   | 0.27   | 0.49    | 5550000 | 2800000  |
| 46.987206690 | 26.967479670  | -0.24 | -0.45  | -0.70 | 0.28   | 0.28   | 0.47    | 5600000 | 2800000  |
| 46.882890810 | 27.609435730  | -0.18 | -0.25  | -0.71 | 0.26   | 0.26   | 0.44    | 5650000 | 2800000  |
| 46.774787180 | 28.249071970  | -0.10 | -0.42  | -0.81 | 0.30   | 0.30   | 0.50    | 5700000 | 2800000  |
| 46.662917980 | 28.886325280  | -0.19 | -0.61  | -0.87 | 0.28   | 0.28   | 0.47    | 5750000 | 2800000  |
| 46.547305900 | 29.521134840  | -0.50 | -0.66  | -0.79 | 0.26   | 0.26   | 0.44    | 5800000 | 2800000  |
| 46.427974100 | 30.153442190  | -0.79 | -0.50  | -0.65 | 0.29   | 0.29   | 0.48    | 5850000 | 2800000  |
| 46.304946220 | 30.783191180  | -0.77 | -0.40  | -0.50 | 0.20   | 0.20   | 0.38    | 5900000 | 2800000  |
| 39.055897610 | -31.620478350 | 2.24  | -12.69 | -1.32 | 0.39   | 0.39   | 0.68    | 900000  | 2750000  |
| 39.295135940 | -31.105274380 | 3.64  | -20.62 | -1.55 | 0.26   | 0.26   | 0.42    | 950000  | 2750000  |
| 39.531645120 | -30.587025540 | 2.61  | -14.89 | -1.51 | 0.36   | 0.36   | 0.62    | 1000000 | 2750000  |
| 47.023029320 | -3.504116336  | 0.08  | -0.21  | -1.59 | 0.35   | 0.35   | 0.62    | 3300000 | 2750000  |
| 47.102771710 | -2.854698269  | 0.03  | -0.25  | -1.66 | 0.29   | 0.30   | 0.51    | 3350000 | 2750000  |
| 47.178620670 | -2.203535044  | -0.04 | -0.18  | -1.42 | 0.25   | 0.25   | 0.43    | 3400000 | 2750000  |
| 47.250559810 | -1.550704705  | 0.04  | -0.15  | -1.13 | 0.18   | 0.18   | 0.32    | 3450000 | 2750000  |
| 47.318573430 | -0.896287067  | 0.04  | -0.21  | -1.14 | 0.25   | 0.25   | 0.43    | 3500000 | 2750000  |
| 47.382646620 | -0.240363646  | -0.05 | -0.17  | -1.19 | 0.25   | 0.25   | 0.43    | 3550000 | 2750000  |
| 47.442765210 | 0.416982414   | -0.08 | -0.10  | -1.24 | 0.26   | 0.26   | 0.45    | 3600000 | 2750000  |
| 47.498915840 | 1.075666418   | 0.01  | -0.10  | -1.27 | 0.25   | 0.25   | 0.44    | 3650000 | 2750000  |
| 47.551085950 | 1.735602200   | 0.04  | -0.18  | -1.20 | 0.27   | 0.27   | 0.46    | 3700000 | 2750000  |
| 47.599263780 | 2.396702209   | -0.04 | -0.22  | -1.11 | 0.25   | 0.25   | 0.44    | 3750000 | 2750000  |
| 47.643438460 | 3.058877599   | -0.11 | -0.19  | -1.05 | 0.25   | 0.25   | 0.43    | 3800000 | 2750000  |
| 47.683599940 | 3.722038315   | -0.11 | -0.15  | -0.96 | 0.25   | 0.25   | 0.45    | 3850000 | 2750000  |
| 47.719739060 | 4.386093194   | -0.11 | -0.15  | -0.88 | 0.26   | 0.26   | 0.46    | 3900000 | 2750000  |
| 47.751847530 | 5.050950058   | -0.11 | -0.12  | -0.96 | 0.27   | 0.27   | 0.48    | 3950000 | 2750000  |
| 47.779917970 | 5.716515816   | -0.06 | -0.08  | -1.23 | 0.26   | 0.26   | 0.45    | 4000000 | 2750000  |
| 47.803943920 | 6.382696567   | 0.01  | -0.13  | -1.42 | 0.25   | 0.25   | 0.44    | 4050000 | 2750000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 47.823919810 | 7.049397705  | 0.05  | -0.24 | -1.19 | 0.25   | 0.25   | 0.42    | 4100000 | 2750000  |
| 47.839841010 | 7.716524023  | 0.07  | -0.21 | -0.70 | 0.23   | 0.23   | 0.40    | 4150000 | 2750000  |
| 47.851703830 | 8.383979827  | 0.14  | 0.00  | -0.36 | 0.24   | 0.25   | 0.41    | 4200000 | 2750000  |
| 47.859505500 | 9.051669037  | 0.19  | 0.01  | -0.32 | 0.26   | 0.27   | 0.45    | 4250000 | 2750000  |
| 47.863244220 | 9.719495307  | 0.17  | -0.04 | -0.37 | 0.24   | 0.24   | 0.43    | 4300000 | 2750000  |
| 47.862919100 | 10.387362130 | 0.19  | 0.07  | -0.32 | 0.29   | 0.29   | 0.51    | 4350000 | 2750000  |
| 47.858530230 | 11.055172950 | 0.25  | 0.16  | -0.34 | 0.25   | 0.25   | 0.44    | 4400000 | 2750000  |
| 47.850078630 | 11.722831290 | 0.29  | 0.04  | -0.19 | 0.26   | 0.26   | 0.45    | 4450000 | 2750000  |
| 47.837566260 | 12.390240820 | 0.22  | -0.06 | -0.06 | 0.23   | 0.24   | 0.42    | 4500000 | 2750000  |
| 47.820996030 | 13.057305530 | 0.13  | 0.09  | -0.27 | 0.22   | 0.22   | 0.39    | 4550000 | 2750000  |
| 47.800371800 | 13.723929790 | 0.13  | 0.13  | -0.59 | 0.27   | 0.28   | 0.47    | 4600000 | 2750000  |
| 47.775698340 | 14.390018480 | 0.22  | 0.00  | -0.89 | 0.27   | 0.27   | 0.48    | 4650000 | 2750000  |
| 47.746981350 | 15.055477110 | 0.23  | 0.08  | -0.98 | 0.31   | 0.31   | 0.54    | 4700000 | 2750000  |
| 47.714227450 | 15.720211890 | 0.23  | 0.28  | -1.08 | 0.30   | 0.31   | 0.53    | 4750000 | 2750000  |
| 47.677444180 | 16.384129870 | 0.23  | 0.37  | -1.08 | 0.31   | 0.31   | 0.53    | 4800000 | 2750000  |
| 47.636639950 | 17.047139030 | 0.24  | 0.29  | -0.96 | 0.27   | 0.27   | 0.46    | 4850000 | 2750000  |
| 47.591824070 | 17.709148380 | 0.15  | 0.14  | -0.70 | 0.25   | 0.25   | 0.41    | 4900000 | 2750000  |
| 47.543006710 | 18.370068050 | -0.09 | 0.13  | -0.49 | 0.26   | 0.26   | 0.42    | 4950000 | 2750000  |
| 47.490198920 | 19.029809400 | -0.27 | 0.30  | -0.70 | 0.23   | 0.23   | 0.38    | 5000000 | 2750000  |
| 47.433412550 | 19.688285080 | -0.17 | 0.23  | -1.29 | 0.24   | 0.24   | 0.40    | 5050000 | 2750000  |
| 47.372660300 | 20.345409170 | -0.08 | 0.07  | -1.69 | 0.27   | 0.27   | 0.44    | 5100000 | 2750000  |
| 47.307955670 | 21.001097220 | -0.19 | 0.01  | -1.57 | 0.25   | 0.26   | 0.43    | 5150000 | 2750000  |
| 47.239312940 | 21.655266320 | -0.43 | -0.08 | -1.15 | 0.26   | 0.27   | 0.48    | 5200000 | 2750000  |
| 47.166747160 | 22.307835240 | -0.52 | -0.30 | -0.96 | 0.31   | 0.31   | 0.53    | 5250000 | 2750000  |
| 47.090274130 | 22.958724440 | -0.56 | -0.58 | -1.03 | 0.24   | 0.24   | 0.40    | 5300000 | 2750000  |
| 47.009910360 | 23.607856160 | -0.82 | -0.54 | -0.96 | 0.28   | 0.28   | 0.46    | 5350000 | 2750000  |
| 46.925673060 | 24.255154490 | -1.07 | -0.44 | -0.98 | 0.27   | 0.27   | 0.45    | 5400000 | 2750000  |
| 46.837580150 | 24.900545440 | -0.96 | -0.45 | -1.17 | 0.29   | 0.29   | 0.50    | 5450000 | 2750000  |
| 46.745650170 | 25.543956960 | -0.77 | -0.53 | -1.29 | 0.25   | 0.25   | 0.49    | 5500000 | 2750000  |
| 46.649902300 | 26.185319010 | -0.66 | -0.74 | -0.96 | 0.26   | 0.26   | 0.48    | 5550000 | 2750000  |
| 46.550356330 | 26.824563630 | -0.67 | -0.73 | -0.64 | 0.23   | 0.23   | 0.40    | 5600000 | 2750000  |
| 46.447032630 | 27.461624940 | -0.34 | -0.43 | -0.87 | 0.28   | 0.28   | 0.46    | 5650000 | 2750000  |
| 46.339952130 | 28.096439220 | -0.07 | -0.57 | -1.07 | 0.29   | 0.29   | 0.48    | 5700000 | 2750000  |
| 46.229136280 | 28.728944910 | -0.11 | -0.84 | -1.20 | 0.24   | 0.24   | 0.42    | 5750000 | 2750000  |
| 46.114607040 | 29.359082640 | -0.66 | -0.91 | -1.03 | 0.25   | 0.25   | 0.44    | 5800000 | 2750000  |
| 45.996386840 | 29.986795290 | -1.05 | -0.58 | -0.88 | 0.30   | 0.30   | 0.51    | 5850000 | 2750000  |
| 45.874498580 | 30.612027970 | -1.00 | -0.37 | -0.78 | 0.32   | 0.32   | 0.56    | 5900000 | 2750000  |
| 43.081369640 | 41.393162930 | 0.37  | -0.35 | 0.18  | 0.41   | 0.41   | 0.73    | 6800000 | 2750000  |
| 42.894545590 | 41.963856330 | 0.42  | -0.22 | 0.14  | 0.42   | 0.42   | 0.77    | 6850000 | 2750000  |
| 42.704566170 | 42.531442180 | 0.48  | -0.08 | 0.06  | 0.43   | 0.43   | 0.81    | 6900000 | 2750000  |
| 42.511457900 | 43.095911160 | 0.58  | 0.05  | 0.00  | 0.44   | 0.44   | 0.83    | 6950000 | 2750000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 42.315247230 | 43.657255820 | 0.71  | 0.16  | -0.08 | 0.44   | 0.44   | 0.84    | 7000000 | 2750000  |
| 42.115960530 | 44.215470500 | 0.85  | 0.25  | -0.18 | 0.44   | 0.44   | 0.84    | 7050000 | 2750000  |
| 41.913624060 | 44.770551350 | 0.96  | 0.31  | -0.28 | 0.44   | 0.44   | 0.85    | 7100000 | 2750000  |
| 41.708263930 | 45.322496230 | 0.99  | 0.33  | -0.38 | 0.44   | 0.44   | 0.85    | 7150000 | 2750000  |
| 46.581292710 | -3.390041181 | 0.04  | -0.16 | -1.46 | 0.40   | 0.40   | 0.72    | 3300000 | 2700000  |
| 46.660265500 | -2.745820044 | 0.01  | -0.19 | -1.54 | 0.36   | 0.37   | 0.64    | 3350000 | 2700000  |
| 46.735379750 | -2.099910018 | -0.01 | -0.19 | -1.51 | 0.27   | 0.27   | 0.48    | 3400000 | 2700000  |
| 46.806619620 | -1.452386846 | 0.04  | -0.12 | -1.28 | 0.28   | 0.28   | 0.47    | 3450000 | 2700000  |
| 46.873969940 | -0.803327952 | 0.06  | -0.13 | -1.15 | 0.26   | 0.26   | 0.45    | 3500000 | 2700000  |
| 46.937416310 | -0.152812379 | -0.05 | -0.17 | -1.17 | 0.25   | 0.25   | 0.42    | 3550000 | 2700000  |
| 46.996945040 | 0.499079281  | -0.08 | -0.14 | -1.21 | 0.25   | 0.25   | 0.42    | 3600000 | 2700000  |
| 47.052543220 | 1.152264968  | 0.04  | -0.14 | -1.17 | 0.25   | 0.25   | 0.44    | 3650000 | 2700000  |
| 47.104198720 | 1.806661220  | 0.08  | -0.19 | -1.08 | 0.27   | 0.27   | 0.48    | 3700000 | 2700000  |
| 47.151900190 | 2.462183265  | -0.01 | -0.20 | -1.00 | 0.27   | 0.27   | 0.48    | 3750000 | 2700000  |
| 47.195637130 | 3.118745096  | -0.07 | -0.19 | -0.98 | 0.28   | 0.28   | 0.48    | 3800000 | 2700000  |
| 47.235399840 | 3.776259565  | -0.08 | -0.19 | -0.99 | 0.25   | 0.25   | 0.44    | 3850000 | 2700000  |
| 47.271179470 | 4.434638468  | -0.08 | -0.16 | -0.97 | 0.27   | 0.27   | 0.47    | 3900000 | 2700000  |
| 47.302968030 | 5.093792642  | -0.11 | -0.10 | -0.90 | 0.21   | 0.21   | 0.40    | 3950000 | 2700000  |
| 47.330758400 | 5.753632056  | -0.06 | -0.06 | -0.92 | 0.27   | 0.27   | 0.47    | 4000000 | 2700000  |
| 47.354544320 | 6.414065912  | 0.02  | -0.13 | -0.84 | 0.28   | 0.28   | 0.47    | 4050000 | 2700000  |
| 47.374320440 | 7.075002742  | 0.08  | -0.17 | -0.58 | 0.25   | 0.25   | 0.43    | 4100000 | 2700000  |
| 47.390082280 | 7.736350511  | 0.17  | -0.03 | -0.25 | 0.24   | 0.24   | 0.41    | 4150000 | 2700000  |
| 47.401826280 | 8.398016719  | 0.29  | 0.11  | -0.01 | 0.23   | 0.23   | 0.39    | 4200000 | 2700000  |
| 47.409549780 | 9.059908504  | 0.32  | -0.01 | 0.17  | 0.25   | 0.26   | 0.43    | 4250000 | 2700000  |
| 47.413251020 | 9.721932750  | 0.25  | -0.10 | 0.33  | 0.23   | 0.23   | 0.39    | 4300000 | 2700000  |
| 47.412929160 | 10.383996190 | 0.24  | 0.06  | 0.38  | 0.25   | 0.26   | 0.44    | 4350000 | 2700000  |
| 47.408584280 | 11.046005500 | 0.35  | 0.17  | 0.25  | 0.25   | 0.26   | 0.44    | 4400000 | 2700000  |
| 47.400217360 | 11.707867450 | 0.40  | 0.02  | 0.10  | 0.26   | 0.27   | 0.46    | 4450000 | 2700000  |
| 47.387830300 | 12.369488940 | 0.35  | -0.10 | -0.04 | 0.27   | 0.27   | 0.47    | 4500000 | 2700000  |
| 47.371425910 | 13.030777160 | 0.30  | -0.03 | -0.30 | 0.26   | 0.26   | 0.45    | 4550000 | 2700000  |
| 47.351007900 | 13.691639690 | 0.32  | 0.04  | -0.64 | 0.30   | 0.30   | 0.51    | 4600000 | 2700000  |
| 47.326580890 | 14.351984560 | 0.40  | 0.10  | -1.01 | 0.28   | 0.29   | 0.49    | 4650000 | 2700000  |
| 47.298150360 | 15.011720420 | 0.40  | 0.34  | -1.13 | 0.30   | 0.30   | 0.51    | 4700000 | 2700000  |
| 47.265722730 | 15.670756580 | 0.39  | 0.63  | -1.12 | 0.27   | 0.27   | 0.46    | 4750000 | 2700000  |
| 47.229305250 | 16.329003140 | 0.35  | 0.60  | -1.05 | 0.25   | 0.25   | 0.44    | 4800000 | 2700000  |
| 47.188906050 | 16.986371090 | 0.23  | 0.20  | -1.02 | 0.24   | 0.24   | 0.42    | 4850000 | 2700000  |
| 47.144534110 | 17.642772390 | 0.10  | 0.05  | -0.90 | 0.26   | 0.26   | 0.43    | 4900000 | 2700000  |
| 47.096199260 | 18.298120050 | -0.04 | 0.19  | -0.71 | 0.25   | 0.25   | 0.42    | 4950000 | 2700000  |
| 47.043912160 | 18.952328280 | -0.07 | 0.26  | -0.85 | 0.24   | 0.24   | 0.40    | 5000000 | 2700000  |
| 46.987684250 | 19.605312490 | -0.02 | 0.10  | -1.45 | 0.25   | 0.25   | 0.42    | 5050000 | 2700000  |
| 46.927527810 | 20.256989460 | 0.02  | 0.05  | -1.98 | 0.27   | 0.27   | 0.45    | 5100000 | 2700000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 46.863455870 | 20.907277340 | -0.04 | 0.13  | -2.00 | 0.24   | 0.24   | 0.40    | 5150000 | 2700000  |
| 46.795482230 | 21.556095790 | -0.35 | 0.12  | -1.30 | 0.25   | 0.26   | 0.45    | 5200000 | 2700000  |
| 46.723621420 | 22.203366010 | -0.64 | -0.23 | -0.63 | 0.26   | 0.27   | 0.47    | 5250000 | 2700000  |
| 46.647888720 | 22.849010860 | -0.70 | -0.53 | -0.69 | 0.27   | 0.27   | 0.46    | 5300000 | 2700000  |
| 46.568300080 | 23.492954860 | -0.75 | -0.54 | -1.02 | 0.30   | 0.30   | 0.51    | 5350000 | 2700000  |
| 46.484872150 | 24.135124310 | -0.88 | -0.45 | -1.37 | 0.29   | 0.29   | 0.48    | 5400000 | 2700000  |
| 46.397622240 | 24.775447290 | -0.97 | -0.44 | -1.47 | 0.27   | 0.27   | 0.45    | 5450000 | 2700000  |
| 46.306568280 | 25.413853790 | -0.92 | -0.50 | -1.30 | 0.24   | 0.24   | 0.43    | 5500000 | 2700000  |
| 46.211728820 | 26.050275680 | -0.82 | -0.63 | -1.07 | 0.28   | 0.28   | 0.49    | 5550000 | 2700000  |
| 46.113123020 | 26.684646820 | -0.72 | -0.53 | -1.00 | 0.28   | 0.28   | 0.48    | 5600000 | 2700000  |
| 46.010770590 | 27.316903040 | -0.48 | -0.41 | -1.09 | 0.26   | 0.26   | 0.44    | 5650000 | 2700000  |
| 45.904691760 | 27.946982250 | -0.08 | -0.68 | -1.21 | 0.20   | 0.20   | 0.35    | 5700000 | 2700000  |
| 45.794907320 | 28.574824400 | -0.22 | -0.82 | -1.25 | 0.29   | 0.29   | 0.49    | 5750000 | 2700000  |
| 45.681438520 | 29.200371560 | -0.65 | -0.74 | -1.40 | 0.27   | 0.27   | 0.47    | 5800000 | 2700000  |
| 45.564307100 | 29.823567920 | -0.94 | -0.46 | -1.47 | 0.31   | 0.31   | 0.54    | 5850000 | 2700000  |
| 45.443535210 | 30.444359810 | -0.85 | -0.33 | -1.28 | 0.37   | 0.37   | 0.65    | 5900000 | 2700000  |
| 42.856536480 | 40.588485630 | 0.42  | -0.36 | -0.20 | 0.43   | 0.43   | 0.80    | 6750000 | 2700000  |
| 42.674381580 | 41.159295880 | 0.48  | -0.27 | -0.09 | 0.43   | 0.43   | 0.79    | 6800000 | 2700000  |
| 42.489058430 | 41.727091390 | 0.57  | -0.15 | -0.02 | 0.43   | 0.43   | 0.80    | 6850000 | 2700000  |
| 42.300592920 | 42.291860500 | 0.69  | -0.02 | 0.04  | 0.43   | 0.43   | 0.81    | 6900000 | 2700000  |
| 42.109010910 | 42.853593400 | 0.86  | 0.14  | 0.09  | 0.43   | 0.43   | 0.81    | 6950000 | 2700000  |
| 41.914338170 | 43.412282070 | 1.10  | 0.29  | 0.06  | 0.43   | 0.43   | 0.80    | 7000000 | 2700000  |
| 41.716600410 | 43.967920280 | 1.36  | 0.43  | -0.06 | 0.43   | 0.43   | 0.81    | 7050000 | 2700000  |
| 41.515823240 | 44.520503520 | 1.59  | 0.53  | -0.20 | 0.43   | 0.43   | 0.81    | 7100000 | 2700000  |
| 41.312032160 | 45.070028970 | 1.66  | 0.56  | -0.33 | 0.43   | 0.43   | 0.82    | 7150000 | 2700000  |
| 46.217490520 | -2.639259484 | 0.01  | -0.18 | -1.44 | 0.39   | 0.39   | 0.70    | 3350000 | 2650000  |
| 46.291886050 | -1.998497651 | 0.01  | -0.22 | -1.47 | 0.32   | 0.32   | 0.56    | 3400000 | 2650000  |
| 46.362441930 | -1.356174488 | 0.04  | -0.20 | -1.33 | 0.23   | 0.23   | 0.40    | 3450000 | 2650000  |
| 46.429143510 | -0.712365118 | 0.03  | -0.16 | -1.06 | 0.27   | 0.27   | 0.45    | 3500000 | 2650000  |
| 46.491976870 | -0.067146199 | -0.02 | -0.23 | -1.02 | 0.24   | 0.24   | 0.41    | 3550000 | 2650000  |
| 46.550928780 | 0.579404140  | -0.01 | -0.25 | -1.13 | 0.24   | 0.24   | 0.42    | 3600000 | 2650000  |
| 46.605986760 | 1.227206369  | 0.08  | -0.23 | -1.16 | 0.27   | 0.27   | 0.47    | 3650000 | 2650000  |
| 46.657139100 | 1.876179632  | 0.09  | -0.22 | -1.09 | 0.28   | 0.28   | 0.49    | 3700000 | 2650000  |
| 46.704374850 | 2.526241825  | 0.03  | -0.21 | -1.01 | 0.26   | 0.26   | 0.46    | 3750000 | 2650000  |
| 46.747683850 | 3.177309673  | 0.00  | -0.17 | -1.01 | 0.26   | 0.26   | 0.46    | 3800000 | 2650000  |
| 46.787056730 | 3.829298816  | 0.01  | -0.13 | -1.13 | 0.26   | 0.26   | 0.45    | 3850000 | 2650000  |
| 46.822484970 | 4.482123895  | 0.00  | -0.07 | -1.19 | 0.27   | 0.27   | 0.46    | 3900000 | 2650000  |
| 46.853960830 | 5.135698637  | -0.05 | -0.01 | -1.08 | 0.25   | 0.25   | 0.44    | 3950000 | 2650000  |
| 46.881477440 | 5.789935947  | -0.01 | -0.07 | -0.77 | 0.26   | 0.26   | 0.45    | 4000000 | 2650000  |
| 46.905028760 | 6.444748003  | 0.06  | -0.23 | -0.34 | 0.22   | 0.22   | 0.39    | 4050000 | 2650000  |
| 46.924609630 | 7.100046347  | 0.13  | -0.21 | 0.04  | 0.25   | 0.25   | 0.44    | 4100000 | 2650000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 46.940215730 | 7.755741984  | 0.21  | -0.06 | 0.31  | 0.27   | 0.27   | 0.46    | 4150000 | 2650000  |
| 46.951843610 | 8.411745475  | 0.31  | -0.02 | 0.52  | 0.30   | 0.30   | 0.50    | 4200000 | 2650000  |
| 46.959490700 | 9.067967041  | 0.40  | -0.16 | 0.76  | 0.28   | 0.28   | 0.48    | 4250000 | 2650000  |
| 46.963155320 | 9.724316661  | 0.40  | -0.25 | 0.99  | 0.25   | 0.25   | 0.43    | 4300000 | 2650000  |
| 46.962836640 | 10.380704170 | 0.37  | -0.11 | 0.95  | 0.26   | 0.26   | 0.45    | 4350000 | 2650000  |
| 46.958534750 | 11.037039360 | 0.39  | 0.02  | 0.57  | 0.28   | 0.28   | 0.48    | 4400000 | 2650000  |
| 46.950250600 | 11.693232070 | 0.37  | -0.03 | 0.21  | 0.27   | 0.28   | 0.46    | 4450000 | 2650000  |
| 46.937986010 | 12.349192330 | 0.28  | -0.13 | 0.01  | 0.29   | 0.30   | 0.50    | 4500000 | 2650000  |
| 46.921743700 | 13.004830400 | 0.33  | -0.09 | -0.11 | 0.29   | 0.29   | 0.49    | 4550000 | 2650000  |
| 46.901527240 | 13.660056910 | 0.47  | 0.04  | -0.40 | 0.27   | 0.27   | 0.46    | 4600000 | 2650000  |
| 46.877341100 | 14.314782940 | 0.55  | 0.28  | -0.84 | 0.25   | 0.26   | 0.44    | 4650000 | 2650000  |
| 46.849190580 | 14.968920120 | 0.54  | 0.56  | -1.03 | 0.27   | 0.28   | 0.46    | 4700000 | 2650000  |
| 46.817081860 | 15.622380750 | 0.49  | 0.73  | -1.01 | 0.26   | 0.26   | 0.43    | 4750000 | 2650000  |
| 46.781021940 | 16.275077850 | 0.38  | 0.55  | -0.92 | 0.25   | 0.25   | 0.44    | 4800000 | 2650000  |
| 46.741018680 | 16.926925300 | 0.25  | 0.18  | -0.96 | 0.25   | 0.25   | 0.42    | 4850000 | 2650000  |
| 46.697080750 | 17.577837880 | 0.23  | 0.18  | -0.99 | 0.26   | 0.26   | 0.44    | 4900000 | 2650000  |
| 46.649217650 | 18.227731410 | 0.24  | 0.31  | -0.92 | 0.29   | 0.29   | 0.47    | 4950000 | 2650000  |
| 46.597439650 | 18.876522800 | 0.28  | 0.30  | -1.01 | 0.23   | 0.23   | 0.39    | 5000000 | 2650000  |
| 46.541757830 | 19.524130120 | 0.12  | 0.15  | -1.50 | 0.29   | 0.29   | 0.48    | 5050000 | 2650000  |
| 46.482184030 | 20.170472740 | 0.05  | 0.06  | -2.16 | 0.27   | 0.28   | 0.45    | 5100000 | 2650000  |
| 46.418730850 | 20.815471350 | -0.06 | 0.04  | -2.31 | 0.26   | 0.26   | 0.43    | 5150000 | 2650000  |
| 46.351411620 | 21.459048040 | -0.38 | -0.05 | -1.60 | 0.26   | 0.26   | 0.43    | 5200000 | 2650000  |
| 46.280240400 | 22.101126400 | -0.79 | -0.24 | -0.52 | 0.27   | 0.27   | 0.45    | 5250000 | 2650000  |
| 46.205231930 | 22.741631550 | -0.88 | -0.35 | -0.34 | 0.27   | 0.27   | 0.46    | 5300000 | 2650000  |
| 46.126401650 | 23.380490250 | -0.73 | -0.42 | -0.92 | 0.25   | 0.25   | 0.44    | 5350000 | 2650000  |
| 46.043765660 | 24.017630900 | -0.71 | -0.47 | -1.42 | 0.26   | 0.26   | 0.44    | 5400000 | 2650000  |
| 45.957340680 | 24.652983650 | -0.83 | -0.52 | -1.40 | 0.27   | 0.27   | 0.44    | 5450000 | 2650000  |
| 45.867144070 | 25.286480410 | -0.87 | -0.51 | -1.17 | 0.27   | 0.27   | 0.47    | 5500000 | 2650000  |
| 45.773193790 | 25.918054920 | -0.69 | -0.41 | -1.21 | 0.28   | 0.28   | 0.49    | 5550000 | 2650000  |
| 45.675508340 | 26.547642800 | -0.57 | -0.27 | -1.36 | 0.30   | 0.30   | 0.52    | 5600000 | 2650000  |
| 45.574106820 | 27.175181580 | -0.47 | -0.21 | -1.33 | 0.28   | 0.28   | 0.49    | 5650000 | 2650000  |
| 45.469008820 | 27.800610710 | -0.38 | -0.45 | -1.20 | 0.31   | 0.31   | 0.52    | 5700000 | 2650000  |
| 45.360234450 | 28.423871650 | -0.41 | -0.66 | -1.12 | 0.29   | 0.29   | 0.50    | 5750000 | 2650000  |
| 45.247804300 | 29.044907850 | -0.58 | -0.60 | -1.51 | 0.22   | 0.22   | 0.40    | 5800000 | 2650000  |
| 45.131739430 | 29.663664800 | -0.98 | -0.23 | -2.08 | 0.19   | 0.19   | 0.40    | 5850000 | 2650000  |
| 45.012061300 | 30.280090050 | -0.71 | -0.31 | -1.66 | 0.36   | 0.36   | 0.65    | 5900000 | 2650000  |
| 42.266435050 | 40.929696310 | 0.67  | -0.25 | -0.31 | 0.43   | 0.43   | 0.81    | 6800000 | 2650000  |
| 42.082587110 | 41.494617890 | 0.80  | -0.13 | -0.17 | 0.43   | 0.43   | 0.80    | 6850000 | 2650000  |
| 41.895609880 | 42.056591920 | 0.98  | 0.03  | 0.03  | 0.42   | 0.42   | 0.79    | 6900000 | 2650000  |
| 41.705528550 | 42.615608130 | 1.25  | 0.24  | 0.24  | 0.41   | 0.40   | 0.76    | 6950000 | 2650000  |
| 41.512368260 | 43.171658030 | 1.65  | 0.48  | 0.28  | 0.40   | 0.39   | 0.73    | 7000000 | 2650000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 41.316154060 | 43.724734840  | 2.13  | 0.71  | 0.07  | 0.41   | 0.40   | 0.74    | 7050000 | 2650000  |
| 41.116910930 | 44.274833470  | 2.56  | 0.88  | -0.13 | 0.41   | 0.41   | 0.75    | 7100000 | 2650000  |
| 40.914663750 | 44.821950470  | 2.78  | 0.95  | -0.27 | 0.41   | 0.41   | 0.76    | 7150000 | 2650000  |
| 40.709437270 | 45.366083980  | 2.44  | 0.86  | -0.40 | 0.42   | 0.42   | 0.79    | 7200000 | 2650000  |
| 40.501256090 | 45.907233750  | 1.78  | 0.67  | -0.51 | 0.43   | 0.43   | 0.82    | 7250000 | 2650000  |
| 40.290144680 | 46.445401010  | 1.19  | 0.47  | -0.58 | 0.44   | 0.44   | 0.85    | 7300000 | 2650000  |
| 38.615271910 | -29.267109630 | 0.49  | -3.44 | -1.71 | 0.44   | 0.44   | 0.83    | 1050000 | 2600000  |
| 38.841434030 | -28.748031870 | 0.29  | -2.68 | -1.99 | 0.44   | 0.44   | 0.81    | 1100000 | 2600000  |
| 39.064810140 | -28.226074870 | 0.09  | -2.10 | -2.32 | 0.42   | 0.42   | 0.77    | 1150000 | 2600000  |
| 39.285377450 | -27.701230130 | -0.05 | -1.70 | -2.56 | 0.41   | 0.41   | 0.73    | 1200000 | 2600000  |
| 45.848137100 | -1.899232383  | 0.00  | -0.22 | -1.39 | 0.35   | 0.35   | 0.61    | 3400000 | 2600000  |
| 45.918023820 | -1.262004980  | -0.02 | -0.24 | -1.33 | 0.24   | 0.24   | 0.41    | 3450000 | 2600000  |
| 45.984090780 | -0.623338921  | -0.05 | -0.19 | -1.06 | 0.25   | 0.25   | 0.42    | 3500000 | 2600000  |
| 46.046324520 | 0.016691434   | -0.08 | -0.28 | -0.99 | 0.26   | 0.26   | 0.45    | 3550000 | 2600000  |
| 46.104712250 | 0.658010328   | -0.05 | -0.32 | -1.07 | 0.25   | 0.26   | 0.44    | 3600000 | 2600000  |
| 46.159241930 | 1.300540671   | 0.03  | -0.26 | -1.13 | 0.25   | 0.25   | 0.44    | 3650000 | 2600000  |
| 46.209902220 | 1.944204111   | 0.05  | -0.21 | -1.10 | 0.25   | 0.25   | 0.44    | 3700000 | 2600000  |
| 46.256682550 | 2.588921112   | 0.00  | -0.15 | -1.00 | 0.27   | 0.27   | 0.47    | 3750000 | 2600000  |
| 46.299573110 | 3.234611023   | 0.00  | -0.10 | -1.03 | 0.25   | 0.25   | 0.44    | 3800000 | 2600000  |
| 46.338564840 | 3.881192167   | 0.04  | -0.05 | -1.25 | 0.26   | 0.26   | 0.45    | 3850000 | 2600000  |
| 46.373649510 | 4.528581912   | 0.02  | 0.00  | -1.36 | 0.27   | 0.27   | 0.46    | 3900000 | 2600000  |
| 46.404819660 | 5.176696762   | 0.00  | 0.01  | -1.19 | 0.26   | 0.26   | 0.46    | 3950000 | 2600000  |
| 46.432068640 | 5.825452441   | 0.08  | -0.13 | -0.69 | 0.25   | 0.25   | 0.44    | 4000000 | 2600000  |
| 46.455390630 | 6.474763982   | 0.15  | -0.34 | 0.00  | 0.25   | 0.25   | 0.44    | 4050000 | 2600000  |
| 46.474780630 | 7.124545812   | 0.11  | -0.36 | 0.62  | 0.26   | 0.26   | 0.43    | 4100000 | 2600000  |
| 46.490234480 | 7.774711851   | 0.11  | -0.26 | 0.89  | 0.28   | 0.28   | 0.47    | 4150000 | 2600000  |
| 46.501748850 | 8.425175600   | 0.20  | -0.24 | 0.97  | 0.30   | 0.31   | 0.51    | 4200000 | 2600000  |
| 46.509321260 | 9.075850232   | 0.33  | -0.32 | 1.05  | 0.27   | 0.27   | 0.47    | 4250000 | 2600000  |
| 46.512950080 | 9.726648692   | 0.36  | -0.35 | 1.05  | 0.26   | 0.26   | 0.45    | 4300000 | 2600000  |
| 46.512634520 | 10.377483790  | 0.38  | -0.21 | 0.86  | 0.26   | 0.27   | 0.45    | 4350000 | 2600000  |
| 46.508374650 | 11.028268290  | 0.45  | -0.06 | 0.52  | 0.24   | 0.25   | 0.41    | 4400000 | 2600000  |
| 46.500171400 | 11.678915030  | 0.45  | -0.07 | 0.15  | 0.22   | 0.23   | 0.38    | 4450000 | 2600000  |
| 46.488026520 | 12.329336970  | 0.45  | -0.19 | -0.07 | 0.22   | 0.22   | 0.38    | 4500000 | 2600000  |
| 46.471942650 | 12.979447340  | 0.69  | -0.22 | -0.08 | 0.21   | 0.21   | 0.37    | 4550000 | 2600000  |
| 46.451923220 | 13.629159700  | 0.96  | -0.06 | -0.24 | 0.23   | 0.23   | 0.39    | 4600000 | 2600000  |
| 46.427972560 | 14.278388040  | 0.96  | 0.22  | -0.61 | 0.26   | 0.26   | 0.45    | 4650000 | 2600000  |
| 46.400095780 | 14.927046880  | 0.87  | 0.48  | -0.85 | 0.30   | 0.30   | 0.47    | 4700000 | 2600000  |
| 46.368298840 | 15.575051350  | 0.79  | 0.55  | -0.93 | 0.31   | 0.31   | 0.48    | 4750000 | 2600000  |
| 46.332588520 | 16.222317310  | 0.67  | 0.50  | -0.88 | 0.28   | 0.28   | 0.46    | 4800000 | 2600000  |
| 46.292972390 | 16.868761390  | 0.56  | 0.51  | -0.86 | 0.26   | 0.26   | 0.44    | 4850000 | 2600000  |
| 46.249458850 | 17.514301100  | 0.52  | 0.64  | -0.91 | 0.27   | 0.27   | 0.45    | 4900000 | 2600000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 46.202057040 | 18.158854920  | 0.46  | 0.53  | -0.92 | 0.29   | 0.29   | 0.48    | 4950000 | 2600000  |
| 46.150776920 | 18.802342380  | 0.38  | 0.35  | -0.99 | 0.26   | 0.26   | 0.42    | 5000000 | 2600000  |
| 46.095629170 | 19.444684120  | 0.11  | 0.25  | -1.38 | 0.26   | 0.26   | 0.42    | 5050000 | 2600000  |
| 46.036625250 | 20.085802000  | -0.11 | 0.15  | -2.05 | 0.26   | 0.26   | 0.43    | 5100000 | 2600000  |
| 45.973777320 | 20.725619120  | -0.31 | -0.04 | -2.27 | 0.27   | 0.27   | 0.46    | 5150000 | 2600000  |
| 45.907098270 | 21.364059950  | -0.54 | -0.35 | -1.81 | 0.25   | 0.25   | 0.45    | 5200000 | 2600000  |
| 45.836601690 | 22.001050370  | -0.94 | -0.36 | -0.65 | 0.25   | 0.25   | 0.46    | 5250000 | 2600000  |
| 45.762301830 | 22.636517710  | -1.05 | -0.30 | -0.29 | 0.28   | 0.28   | 0.49    | 5300000 | 2600000  |
| 45.684213630 | 23.270390840  | -0.94 | -0.38 | -0.67 | 0.28   | 0.28   | 0.50    | 5350000 | 2600000  |
| 45.602352650 | 23.902600250  | -0.83 | -0.56 | -1.16 | 0.28   | 0.28   | 0.48    | 5400000 | 2600000  |
| 45.516735060 | 24.533078030  | -0.93 | -0.63 | -1.14 | 0.30   | 0.30   | 0.51    | 5450000 | 2600000  |
| 45.427377670 | 25.161758010  | -1.01 | -0.57 | -0.95 | 0.29   | 0.29   | 0.51    | 5500000 | 2600000  |
| 45.334297840 | 25.788575710  | -0.76 | -0.42 | -1.21 | 0.27   | 0.27   | 0.49    | 5550000 | 2600000  |
| 45.237513500 | 26.413468470  | -0.57 | -0.31 | -1.45 | 0.33   | 0.33   | 0.56    | 5600000 | 2600000  |
| 45.137043110 | 27.036375450  | -0.58 | -0.24 | -1.38 | 0.33   | 0.33   | 0.55    | 5650000 | 2600000  |
| 45.032905650 | 27.657237650  | -0.73 | -0.27 | -1.12 | 0.27   | 0.27   | 0.46    | 5700000 | 2600000  |
| 44.925120600 | 28.275997960  | -0.75 | -0.36 | -0.97 | 0.30   | 0.30   | 0.51    | 5750000 | 2600000  |
| 44.813707900 | 28.892601220  | -0.59 | -0.37 | -1.38 | 0.23   | 0.24   | 0.43    | 5800000 | 2600000  |
| 44.698687940 | 29.506994170  | -0.51 | -0.45 | -1.94 | 0.27   | 0.27   | 0.52    | 5850000 | 2600000  |
| 44.580081530 | 30.119125530  | -0.50 | -0.35 | -1.67 | 0.38   | 0.38   | 0.68    | 5900000 | 2600000  |
| 41.675147110 | 41.266337350  | 1.12  | -0.17 | -0.33 | 0.42   | 0.42   | 0.78    | 6850000 | 2600000  |
| 41.489633020 | 41.825538550  | 1.37  | 0.05  | 0.00  | 0.41   | 0.41   | 0.76    | 6900000 | 2600000  |
| 41.301027280 | 42.381858170  | 1.77  | 0.34  | 0.43  | 0.36   | 0.35   | 0.68    | 6950000 | 2600000  |
| 41.109354410 | 42.935287270  | 2.41  | 0.73  | 0.57  | 0.31   | 0.30   | 0.59    | 7000000 | 2600000  |
| 40.914638840 | 43.485818570  | 3.16  | 1.11  | 0.16  | 0.35   | 0.35   | 0.61    | 7050000 | 2600000  |
| 40.716904930 | 44.033446450  | 3.85  | 1.37  | -0.10 | 0.35   | 0.35   | 0.64    | 7100000 | 2600000  |
| 40.516176930 | 44.578166870  | 4.57  | 1.56  | -0.22 | 0.33   | 0.33   | 0.62    | 7150000 | 2600000  |
| 40.312479020 | 45.119977370  | 3.72  | 1.36  | -0.38 | 0.38   | 0.38   | 0.71    | 7200000 | 2600000  |
| 40.105835210 | 45.658877010  | 2.48  | 0.99  | -0.52 | 0.42   | 0.42   | 0.79    | 7250000 | 2600000  |
| 39.896269400 | 46.194866350  | 1.56  | 0.65  | -0.59 | 0.44   | 0.44   | 0.84    | 7300000 | 2600000  |
| 38.229248970 | -29.009498380 | 0.27  | -2.32 | -1.76 | 0.44   | 0.44   | 0.83    | 1050000 | 2550000  |
| 38.453851270 | -28.492194500 | 0.12  | -2.05 | -2.15 | 0.43   | 0.43   | 0.80    | 1100000 | 2550000  |
| 38.675672850 | -27.972077430 | -0.05 | -1.93 | -2.68 | 0.40   | 0.40   | 0.71    | 1150000 | 2550000  |
| 38.894691400 | -27.449139480 | -0.24 | -1.97 | -3.27 | 0.32   | 0.32   | 0.54    | 1200000 | 2550000  |
| 39.110884430 | -26.923374180 | -0.23 | -1.63 | -3.04 | 0.36   | 0.36   | 0.63    | 1250000 | 2550000  |
| 45.404130240 | -1.802051264  | 0.00  | -0.22 | -1.33 | 0.37   | 0.37   | 0.64    | 3400000 | 2550000  |
| 45.473362190 | -1.169818174  | -0.07 | -0.23 | -1.36 | 0.27   | 0.27   | 0.47    | 3450000 | 2550000  |
| 45.538808240 | -0.536192112  | -0.16 | -0.18 | -1.24 | 0.23   | 0.23   | 0.41    | 3500000 | 2550000  |
| 45.600455350 | 0.098754779   | -0.16 | -0.30 | -1.15 | 0.26   | 0.26   | 0.45    | 3550000 | 2550000  |
| 45.658291190 | 0.734949026   | -0.14 | -0.32 | -1.11 | 0.26   | 0.26   | 0.46    | 3600000 | 2550000  |
| 45.712304080 | 1.372315889   | -0.10 | -0.20 | -1.07 | 0.24   | 0.24   | 0.44    | 3650000 | 2550000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 45.762483100 | 2.010779429  | -0.06 | -0.10 | -1.02 | 0.28   | 0.28   | 0.49    | 3700000 | 2550000  |
| 45.808818010 | 2.650262578  | -0.08 | -0.05 | -0.95 | 0.25   | 0.26   | 0.44    | 3750000 | 2550000  |
| 45.851299330 | 3.290687212  | -0.10 | -0.05 | -1.00 | 0.24   | 0.24   | 0.42    | 3800000 | 2550000  |
| 45.889918330 | 3.931974227  | -0.08 | -0.06 | -1.23 | 0.28   | 0.28   | 0.47    | 3850000 | 2550000  |
| 45.924667030 | 4.574043616  | -0.09 | -0.05 | -1.35 | 0.24   | 0.24   | 0.42    | 3900000 | 2550000  |
| 45.955538240 | 5.216814549  | -0.07 | -0.10 | -1.06 | 0.26   | 0.26   | 0.46    | 3950000 | 2550000  |
| 45.982525530 | 5.860205456  | 0.01  | -0.24 | -0.42 | 0.25   | 0.25   | 0.44    | 4000000 | 2550000  |
| 46.005623280 | 6.504134109  | 0.02  | -0.40 | 0.37  | 0.25   | 0.25   | 0.44    | 4050000 | 2550000  |
| 46.024826670 | 7.148517708  | -0.09 | -0.47 | 0.96  | 0.24   | 0.24   | 0.40    | 4100000 | 2550000  |
| 46.040131660 | 7.793272966  | -0.10 | -0.42 | 1.04  | 0.28   | 0.28   | 0.45    | 4150000 | 2550000  |
| 46.051535050 | 8.438316203  | 0.04  | -0.42 | 0.94  | 0.24   | 0.24   | 0.41    | 4200000 | 2550000  |
| 46.059034440 | 9.083563427  | 0.21  | -0.39 | 0.69  | 0.24   | 0.24   | 0.41    | 4250000 | 2550000  |
| 46.062628260 | 9.728930427  | 0.28  | -0.29 | 0.33  | 0.25   | 0.25   | 0.43    | 4300000 | 2550000  |
| 46.062315740 | 10.374332870 | 0.35  | -0.19 | 0.07  | 0.25   | 0.25   | 0.44    | 4350000 | 2550000  |
| 46.058096960 | 11.019686370 | 0.55  | -0.12 | 0.04  | 0.24   | 0.25   | 0.41    | 4400000 | 2550000  |
| 46.049972800 | 11.664906610 | 0.83  | -0.11 | -0.02 | 0.24   | 0.24   | 0.39    | 4450000 | 2550000  |
| 46.037944970 | 12.309909410 | 1.28  | -0.23 | -0.47 | 0.20   | 0.21   | 0.35    | 4500000 | 2550000  |
| 46.022016000 | 12.954610810 | 1.87  | -0.46 | -0.98 | 0.23   | 0.24   | 0.40    | 4550000 | 2550000  |
| 46.002189230 | 13.598927210 | 2.08  | -0.45 | -1.04 | 0.23   | 0.23   | 0.40    | 4600000 | 2550000  |
| 45.978468810 | 14.242775370 | 1.64  | -0.10 | -0.90 | 0.28   | 0.29   | 0.50    | 4650000 | 2550000  |
| 45.950859690 | 14.886072590 | 1.44  | 0.15  | -0.88 | 0.31   | 0.31   | 0.52    | 4700000 | 2550000  |
| 45.919367630 | 15.528736740 | 1.32  | 0.42  | -1.05 | 0.35   | 0.35   | 0.59    | 4750000 | 2550000  |
| 45.883999180 | 16.170686360 | 1.21  | 0.63  | -1.07 | 0.34   | 0.34   | 0.57    | 4800000 | 2550000  |
| 45.844761650 | 16.811840750 | 1.07  | 0.87  | -0.93 | 0.25   | 0.25   | 0.44    | 4850000 | 2550000  |
| 45.801663150 | 17.452120040 | 0.82  | 0.92  | -0.85 | 0.24   | 0.24   | 0.40    | 4900000 | 2550000  |
| 45.754712520 | 18.091445270 | 0.61  | 0.62  | -0.93 | 0.24   | 0.24   | 0.40    | 4950000 | 2550000  |
| 45.703919380 | 18.729738490 | 0.32  | 0.34  | -1.06 | 0.23   | 0.23   | 0.38    | 5000000 | 2550000  |
| 45.649294060 | 19.366922810 | 0.02  | 0.39  | -1.38 | 0.29   | 0.29   | 0.48    | 5050000 | 2550000  |
| 45.590847620 | 20.002922470 | -0.28 | 0.34  | -1.82 | 0.30   | 0.30   | 0.50    | 5100000 | 2550000  |
| 45.528591830 | 20.637662930 | -0.58 | 0.09  | -2.02 | 0.24   | 0.24   | 0.41    | 5150000 | 2550000  |
| 45.462539140 | 21.271070930 | -0.72 | -0.30 | -1.71 | 0.27   | 0.27   | 0.48    | 5200000 | 2550000  |
| 45.392702700 | 21.903074540 | -0.98 | -0.39 | -1.00 | 0.31   | 0.31   | 0.54    | 5250000 | 2550000  |
| 45.319096290 | 22.533603250 | -1.18 | -0.52 | -0.64 | 0.33   | 0.33   | 0.57    | 5300000 | 2550000  |
| 45.241734350 | 23.162587980 | -1.26 | -0.76 | -0.73 | 0.24   | 0.24   | 0.47    | 5350000 | 2550000  |
| 45.160631940 | 23.789961200 | -1.12 | -0.85 | -1.03 | 0.26   | 0.26   | 0.47    | 5400000 | 2550000  |
| 45.075804700 | 24.415656930 | -1.24 | -0.81 | -0.88 | 0.24   | 0.25   | 0.44    | 5450000 | 2550000  |
| 44.987268900 | 25.039610800 | -1.37 | -0.69 | -0.61 | 0.28   | 0.28   | 0.49    | 5500000 | 2550000  |
| 44.895041340 | 25.661760110 | -1.05 | -0.63 | -1.00 | 0.25   | 0.26   | 0.45    | 5550000 | 2550000  |
| 44.799139380 | 26.282043860 | -0.64 | -0.49 | -1.48 | 0.29   | 0.29   | 0.50    | 5600000 | 2550000  |
| 44.699580880 | 26.900402780 | -0.61 | -0.25 | -1.50 | 0.29   | 0.29   | 0.49    | 5650000 | 2550000  |
| 44.596384240 | 27.516779370 | -0.90 | -0.17 | -1.16 | 0.24   | 0.24   | 0.40    | 5700000 | 2550000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 44.489568310 | 28.131117970  | -1.13 | -0.20 | -0.77 | 0.25   | 0.25   | 0.45    | 5750000 | 2550000  |
| 44.379152410 | 28.743364710  | -0.72 | -0.28 | -1.08 | 0.20   | 0.21   | 0.39    | 5800000 | 2550000  |
| 44.265156310 | 29.353467590  | -0.42 | -0.37 | -1.46 | 0.34   | 0.34   | 0.60    | 5850000 | 2550000  |
| 41.447725770 | 40.482906400  | 1.39  | -0.46 | -0.80 | 0.38   | 0.38   | 0.72    | 6800000 | 2550000  |
| 41.266753190 | 41.042154090  | 1.54  | -0.29 | -0.54 | 0.39   | 0.39   | 0.73    | 6850000 | 2550000  |
| 41.082677550 | 41.598605310  | 1.84  | 0.01  | -0.11 | 0.38   | 0.38   | 0.70    | 6900000 | 2550000  |
| 40.895522790 | 42.152249050  | 2.44  | 0.36  | 0.32  | 0.35   | 0.35   | 0.65    | 6950000 | 2550000  |
| 40.705312770 | 42.703075990  | 3.33  | 0.88  | 0.43  | 0.30   | 0.30   | 0.52    | 7000000 | 2550000  |
| 40.512071340 | 43.251078420  | 4.15  | 1.45  | 0.16  | 0.24   | 0.23   | 0.39    | 7050000 | 2550000  |
| 40.315822230 | 43.796250210  | 4.66  | 1.82  | -0.10 | 0.29   | 0.29   | 0.54    | 7100000 | 2550000  |
| 40.116589140 | 44.338586800  | 5.79  | 2.29  | -0.28 | 0.25   | 0.25   | 0.50    | 7150000 | 2550000  |
| 39.914395620 | 44.878085150  | 4.65  | 1.96  | -0.48 | 0.36   | 0.36   | 0.66    | 7200000 | 2550000  |
| 39.709265130 | 45.414743710  | 3.04  | 1.35  | -0.59 | 0.41   | 0.42   | 0.77    | 7250000 | 2550000  |
| 39.501220990 | 45.948562400  | 1.85  | 0.83  | -0.62 | 0.44   | 0.44   | 0.83    | 7300000 | 2550000  |
| 37.841936460 | -28.756047550 | 0.13  | -1.61 | -1.76 | 0.44   | 0.44   | 0.84    | 1050000 | 2500000  |
| 38.065001510 | -28.240518430 | 0.02  | -1.62 | -2.17 | 0.43   | 0.43   | 0.80    | 1100000 | 2500000  |
| 38.285291310 | -27.722240740 | -0.13 | -1.77 | -2.75 | 0.40   | 0.40   | 0.70    | 1150000 | 2500000  |
| 38.502784050 | -27.201207530 | -0.32 | -2.10 | -3.48 | 0.29   | 0.29   | 0.48    | 1200000 | 2500000  |
| 38.717457730 | -26.677413100 | -0.28 | -1.89 | -3.24 | 0.34   | 0.34   | 0.58    | 1250000 | 2500000  |
| 43.961890140 | -8.499978573  | 0.11  | -0.21 | -1.05 | 0.37   | 0.37   | 0.66    | 2850000 | 2500000  |
| 44.070758960 | -7.891685370  | 0.06  | -0.22 | -0.75 | 0.35   | 0.36   | 0.63    | 2900000 | 2500000  |
| 44.176052040 | -7.281371447  | 0.12  | -0.23 | -0.66 | 0.38   | 0.38   | 0.68    | 2950000 | 2500000  |
| 44.959862630 | -1.706893822  | 0.02  | -0.24 | -1.25 | 0.34   | 0.35   | 0.60    | 3400000 | 2500000  |
| 45.028453790 | -1.079556301  | -0.01 | -0.25 | -1.34 | 0.24   | 0.24   | 0.44    | 3450000 | 2500000  |
| 45.093292220 | -0.450869717  | -0.11 | -0.18 | -1.38 | 0.24   | 0.25   | 0.42    | 3500000 | 2500000  |
| 45.154365330 | 0.179095926   | -0.13 | -0.29 | -1.39 | 0.24   | 0.24   | 0.43    | 3550000 | 2500000  |
| 45.211661180 | 0.810269358   | -0.14 | -0.24 | -1.28 | 0.28   | 0.28   | 0.49    | 3600000 | 2500000  |
| 45.265168480 | 1.442578104   | -0.13 | -0.10 | -1.14 | 0.25   | 0.25   | 0.45    | 3650000 | 2500000  |
| 45.314876670 | 2.075948546   | -0.06 | -0.01 | -1.08 | 0.25   | 0.25   | 0.45    | 3700000 | 2500000  |
| 45.360775860 | 2.710305993   | -0.07 | -0.05 | -1.08 | 0.25   | 0.25   | 0.44    | 3750000 | 2500000  |
| 45.402856890 | 3.345574751   | -0.11 | -0.12 | -1.13 | 0.26   | 0.26   | 0.45    | 3800000 | 2500000  |
| 45.441111300 | 3.981678193   | -0.13 | -0.13 | -1.21 | 0.26   | 0.26   | 0.44    | 3850000 | 2500000  |
| 45.475531400 | 4.618538832   | -0.12 | -0.15 | -1.20 | 0.26   | 0.26   | 0.45    | 3900000 | 2500000  |
| 45.506110240 | 5.256078400   | -0.13 | -0.23 | -0.84 | 0.27   | 0.27   | 0.46    | 3950000 | 2500000  |
| 45.532841600 | 5.894217926   | -0.15 | -0.34 | -0.13 | 0.24   | 0.24   | 0.42    | 4000000 | 2500000  |
| 45.555720050 | 6.532877814   | -0.22 | -0.37 | 0.52  | 0.26   | 0.26   | 0.45    | 4050000 | 2500000  |
| 45.574740940 | 7.171977922   | -0.33 | -0.39 | 0.78  | 0.25   | 0.25   | 0.42    | 4100000 | 2500000  |
| 45.589900360 | 7.811437649   | -0.26 | -0.42 | 0.55  | 0.25   | 0.25   | 0.42    | 4150000 | 2500000  |
| 45.601195220 | 8.451176018   | 0.01  | -0.44 | 0.22  | 0.24   | 0.24   | 0.41    | 4200000 | 2500000  |
| 45.608623210 | 9.091111756   | 0.29  | -0.28 | -0.22 | 0.23   | 0.24   | 0.40    | 4250000 | 2500000  |
| 45.612182800 | 9.731163385   | 0.39  | -0.09 | -0.73 | 0.21   | 0.22   | 0.38    | 4300000 | 2500000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 45.611873260 | 10.371249300 | 0.57  | -0.09 | -0.90 | 0.25   | 0.25   | 0.43    | 4350000 | 2500000  |
| 45.607694660 | 11.011287870 | 0.84  | -0.18 | -0.76 | 0.22   | 0.22   | 0.37    | 4400000 | 2500000  |
| 45.599647850 | 11.651197500 | 1.15  | -0.17 | -0.76 | 0.22   | 0.23   | 0.38    | 4450000 | 2500000  |
| 45.587734480 | 12.290896740 | 1.64  | -0.27 | -1.66 | 0.21   | 0.21   | 0.36    | 4500000 | 2500000  |
| 45.571956990 | 12.930304360 | 2.17  | -0.40 | -2.15 | 0.27   | 0.27   | 0.45    | 4550000 | 2500000  |
| 45.552318620 | 13.569339440 | 2.31  | -0.39 | -2.02 | 0.24   | 0.26   | 0.45    | 4600000 | 2500000  |
| 45.528823370 | 14.207921440 | 1.97  | -0.13 | -1.51 | 0.28   | 0.31   | 0.54    | 4650000 | 2500000  |
| 45.501476020 | 14.845970310 | 1.83  | 0.15  | -1.30 | 0.34   | 0.35   | 0.62    | 4700000 | 2500000  |
| 45.470282150 | 15.483406540 | 1.89  | 0.47  | -1.40 | 0.35   | 0.35   | 0.65    | 4750000 | 2500000  |
| 45.435248070 | 16.120151260 | 1.88  | 0.78  | -1.49 | 0.35   | 0.34   | 0.64    | 4800000 | 2500000  |
| 45.396380860 | 16.756126340 | 1.59  | 0.90  | -1.37 | 0.34   | 0.34   | 0.60    | 4850000 | 2500000  |
| 45.353688340 | 17.391254420 | 1.19  | 0.85  | -1.23 | 0.30   | 0.29   | 0.52    | 4900000 | 2500000  |
| 45.307179080 | 18.025459000 | 0.89  | 0.71  | -1.36 | 0.30   | 0.29   | 0.51    | 4950000 | 2500000  |
| 45.256862350 | 18.658664570 | 0.59  | 0.63  | -1.60 | 0.30   | 0.30   | 0.51    | 5000000 | 2500000  |
| 45.202748150 | 19.290796580 | 0.17  | 0.73  | -1.72 | 0.26   | 0.26   | 0.46    | 5050000 | 2500000  |
| 45.144847170 | 19.921781610 | -0.28 | 0.69  | -1.70 | 0.27   | 0.27   | 0.45    | 5100000 | 2500000  |
| 45.083170780 | 20.551547360 | -0.59 | 0.40  | -1.65 | 0.27   | 0.27   | 0.46    | 5150000 | 2500000  |
| 45.017731050 | 21.180022760 | -0.78 | 0.13  | -1.43 | 0.27   | 0.27   | 0.47    | 5200000 | 2500000  |
| 44.948540660 | 21.807138020 | -1.06 | -0.07 | -1.01 | 0.29   | 0.29   | 0.49    | 5250000 | 2500000  |
| 44.875612970 | 22.432824690 | -1.43 | -0.61 | -0.80 | 0.31   | 0.31   | 0.53    | 5300000 | 2500000  |
| 44.798961930 | 23.057015680 | -1.56 | -0.98 | -0.88 | 0.29   | 0.29   | 0.50    | 5350000 | 2500000  |
| 44.718602110 | 23.679645380 | -1.42 | -0.92 | -1.01 | 0.30   | 0.30   | 0.52    | 5400000 | 2500000  |
| 44.634548670 | 24.300649660 | -1.41 | -0.67 | -0.76 | 0.28   | 0.29   | 0.48    | 5450000 | 2500000  |
| 44.546817320 | 24.919965930 | -1.47 | -0.62 | -0.38 | 0.27   | 0.28   | 0.47    | 5500000 | 2500000  |
| 44.455424350 | 25.537533180 | -1.17 | -0.70 | -0.68 | 0.28   | 0.29   | 0.49    | 5550000 | 2500000  |
| 44.360386550 | 26.153292020 | -0.80 | -0.70 | -1.23 | 0.22   | 0.23   | 0.42    | 5600000 | 2500000  |
| 44.261721240 | 26.767184740 | -0.67 | -0.27 | -1.36 | 0.25   | 0.25   | 0.43    | 5650000 | 2500000  |
| 44.159446210 | 27.379155310 | -0.88 | -0.16 | -1.06 | 0.21   | 0.21   | 0.36    | 5700000 | 2500000  |
| 44.053579750 | 27.989149420 | -0.89 | -0.23 | -0.85 | 0.29   | 0.29   | 0.49    | 5750000 | 2500000  |
| 43.944140570 | 28.597114530 | -0.49 | -0.45 | -1.09 | 0.21   | 0.21   | 0.41    | 5800000 | 2500000  |
| 43.831147810 | 29.202999850 | -0.39 | -0.38 | -1.21 | 0.35   | 0.35   | 0.62    | 5850000 | 2500000  |
| 42.657646365 | 34.554900361 | 0.48  | -0.47 | -1.52 | 0.40   | 0.40   | 0.72    | 6300000 | 2500000  |
| 42.510250028 | 35.137596969 | 0.57  | -0.46 | -1.76 | 0.37   | 0.37   | 0.65    | 6350000 | 2500000  |
| 42.359532919 | 35.717776307 | 0.57  | -0.55 | -1.68 | 0.38   | 0.38   | 0.67    | 6400000 | 2500000  |
| 41.386770820 | 39.144510350 | 1.43  | -0.60 | -0.83 | 0.38   | 0.38   | 0.68    | 6700000 | 2500000  |
| 41.213449100 | 39.706366760 | 1.68  | -0.58 | -0.88 | 0.31   | 0.31   | 0.61    | 6750000 | 2500000  |
| 41.036990850 | 40.265526580 | 1.82  | -0.64 | -0.97 | 0.31   | 0.31   | 0.62    | 6800000 | 2500000  |
| 40.857419370 | 40.821975230 | 1.91  | -0.42 | -0.60 | 0.35   | 0.35   | 0.66    | 6850000 | 2500000  |
| 40.674758000 | 41.375699780 | 2.29  | -0.08 | -0.13 | 0.32   | 0.31   | 0.61    | 6900000 | 2500000  |
| 40.489030030 | 41.926688930 | 3.19  | 0.23  | 0.25  | 0.32   | 0.32   | 0.60    | 6950000 | 2500000  |
| 40.300258750 | 42.474932990 | 3.99  | 0.61  | 0.45  | 0.32   | 0.32   | 0.57    | 7000000 | 2500000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 40.108467390 | 43.020423850 | 3.96  | 1.01  | 0.48  | 0.31   | 0.31   | 0.52    | 7050000 | 2500000  |
| 39.913679120 | 43.563154950 | 4.30  | 1.70  | 0.15  | 0.32   | 0.31   | 0.55    | 7100000 | 2500000  |
| 39.715917040 | 44.103121240 | 5.18  | 2.57  | -0.39 | 0.32   | 0.31   | 0.58    | 7150000 | 2500000  |
| 39.515204130 | 44.640319150 | 5.11  | 2.57  | -0.70 | 0.35   | 0.35   | 0.65    | 7200000 | 2500000  |
| 39.311563300 | 45.174746580 | 3.30  | 1.59  | -0.66 | 0.41   | 0.41   | 0.75    | 7250000 | 2500000  |
| 39.105017310 | 45.706402830 | 1.96  | 0.92  | -0.63 | 0.43   | 0.44   | 0.81    | 7300000 | 2500000  |
| 43.299865370 | -9.559374859 | 0.09  | -0.24 | -1.12 | 0.41   | 0.41   | 0.74    | 2750000 | 2450000  |
| 43.414823080 | -8.959368179 | 0.19  | -0.30 | -1.33 | 0.35   | 0.36   | 0.63    | 2800000 | 2450000  |
| 43.526269350 | -8.357303188 | 0.28  | -0.31 | -1.48 | 0.21   | 0.26   | 0.43    | 2850000 | 2450000  |
| 43.634185280 | -7.753228023 | 0.05  | -0.28 | -0.69 | 0.20   | 0.22   | 0.39    | 2900000 | 2450000  |
| 43.738552370 | -7.147192537 | 0.19  | -0.36 | -0.64 | 0.30   | 0.30   | 0.50    | 2950000 | 2450000  |
| 43.839352560 | -6.539248279 | 0.34  | -0.39 | -0.67 | 0.32   | 0.32   | 0.54    | 3000000 | 2450000  |
| 43.936568200 | -5.929448470 | 0.38  | -0.21 | -0.69 | 0.33   | 0.33   | 0.57    | 3050000 | 2450000  |
| 44.030182140 | -5.317847976 | 0.27  | -0.08 | -0.82 | 0.37   | 0.37   | 0.64    | 3100000 | 2450000  |
| 44.515331240 | -1.613701948 | 0.02  | -0.25 | -1.09 | 0.31   | 0.31   | 0.54    | 3400000 | 2450000  |
| 44.583295190 | -0.991163863 | 0.01  | -0.23 | -1.13 | 0.25   | 0.25   | 0.42    | 3450000 | 2450000  |
| 44.647538930 | -0.367318933 | -0.05 | -0.12 | -1.32 | 0.24   | 0.24   | 0.41    | 3500000 | 2450000  |
| 44.708050290 | 0.257764901  | -0.06 | -0.19 | -1.48 | 0.27   | 0.27   | 0.47    | 3550000 | 2450000  |
| 44.764817700 | 0.884018496  | -0.10 | -0.16 | -1.46 | 0.26   | 0.26   | 0.47    | 3600000 | 2450000  |
| 44.817830280 | 1.511371556  | -0.07 | -0.04 | -1.34 | 0.28   | 0.28   | 0.48    | 3650000 | 2450000  |
| 44.867077780 | 2.139752702  | 0.03  | -0.05 | -1.26 | 0.25   | 0.26   | 0.45    | 3700000 | 2450000  |
| 44.912550660 | 2.769089531  | 0.02  | -0.18 | -1.19 | 0.28   | 0.28   | 0.48    | 3750000 | 2450000  |
| 44.954240060 | 3.399308686  | -0.03 | -0.23 | -1.18 | 0.26   | 0.26   | 0.44    | 3800000 | 2450000  |
| 44.992137800 | 4.030335921  | -0.05 | -0.16 | -1.15 | 0.26   | 0.26   | 0.45    | 3850000 | 2450000  |
| 45.026236460 | 4.662096176  | -0.04 | -0.17 | -1.07 | 0.26   | 0.26   | 0.46    | 3900000 | 2450000  |
| 45.056529290 | 5.294513645  | -0.08 | -0.30 | -0.74 | 0.25   | 0.25   | 0.44    | 3950000 | 2450000  |
| 45.083010300 | 5.927511853  | -0.19 | -0.38 | -0.11 | 0.23   | 0.23   | 0.41    | 4000000 | 2450000  |
| 45.105674250 | 6.561013731  | -0.30 | -0.28 | 0.40  | 0.25   | 0.25   | 0.44    | 4050000 | 2450000  |
| 45.124516630 | 7.194941694  | -0.32 | -0.15 | 0.38  | 0.26   | 0.25   | 0.44    | 4100000 | 2450000  |
| 45.139533670 | 7.829217719  | -0.17 | -0.15 | -0.02 | 0.24   | 0.24   | 0.40    | 4150000 | 2450000  |
| 45.150722390 | 8.463763421  | 0.18  | -0.19 | -0.42 | 0.24   | 0.25   | 0.42    | 4200000 | 2450000  |
| 45.158080540 | 9.098500141  | 0.45  | -0.10 | -0.72 | 0.25   | 0.25   | 0.43    | 4250000 | 2450000  |
| 45.161606660 | 9.733349020  | 0.66  | 0.05  | -1.05 | 0.25   | 0.26   | 0.44    | 4300000 | 2450000  |
| 45.161300030 | 10.368231080 | 1.05  | 0.07  | -1.29 | 0.26   | 0.26   | 0.44    | 4350000 | 2450000  |
| 45.157160720 | 11.003067320 | 1.51  | 0.01  | -1.47 | 0.23   | 0.23   | 0.39    | 4400000 | 2450000  |
| 45.149189560 | 11.637778770 | 1.60  | 0.06  | -1.96 | 0.25   | 0.25   | 0.42    | 4450000 | 2450000  |
| 45.137388140 | 12.272286610 | 1.62  | 0.05  | -2.79 | 0.24   | 0.25   | 0.43    | 4500000 | 2450000  |
| 45.121758820 | 12.906512200 | 1.97  | 0.02  | -2.67 | 0.32   | 0.32   | 0.55    | 4550000 | 2450000  |
| 45.102304720 | 13.540377220 | 2.07  | 0.05  | -2.34 | 0.31   | 0.32   | 0.56    | 4600000 | 2450000  |
| 45.079029720 | 14.173803720 | 2.05  | 0.13  | -1.81 | 0.36   | 0.37   | 0.64    | 4650000 | 2450000  |
| 45.051938440 | 14.806714170 | 2.06  | 0.29  | -1.55 | 0.38   | 0.38   | 0.68    | 4700000 | 2450000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 45.021036260 | 15.439031610 | 2.23  | 0.56  | -1.62 | 0.37   | 0.36   | 0.67    | 4750000 | 2450000  |
| 44.986329280 | 16.070679650 | 2.38  | 0.87  | -1.79 | 0.34   | 0.33   | 0.66    | 4800000 | 2450000  |
| 44.947824350 | 16.701582620 | 2.08  | 0.99  | -1.77 | 0.35   | 0.35   | 0.65    | 4850000 | 2450000  |
| 44.905529030 | 17.331665570 | 1.64  | 0.96  | -1.79 | 0.35   | 0.35   | 0.63    | 4900000 | 2450000  |
| 44.859451600 | 17.960854400 | 1.36  | 0.95  | -2.07 | 0.33   | 0.32   | 0.60    | 4950000 | 2450000  |
| 44.809601020 | 18.589075890 | 1.16  | 1.02  | -2.39 | 0.31   | 0.30   | 0.57    | 5000000 | 2450000  |
| 44.755986960 | 19.216257800 | 0.73  | 1.10  | -2.27 | 0.28   | 0.28   | 0.49    | 5050000 | 2450000  |
| 44.698619770 | 19.842328930 | 0.12  | 1.00  | -1.88 | 0.25   | 0.25   | 0.43    | 5100000 | 2450000  |
| 44.637510440 | 20.467219160 | -0.42 | 0.75  | -1.40 | 0.25   | 0.25   | 0.43    | 5150000 | 2450000  |
| 44.572670630 | 21.090859520 | -0.76 | 0.70  | -0.98 | 0.27   | 0.27   | 0.46    | 5200000 | 2450000  |
| 44.504112620 | 21.713182290 | -1.12 | 0.41  | -0.70 | 0.28   | 0.28   | 0.47    | 5250000 | 2450000  |
| 44.431849330 | 22.334121000 | -1.61 | -0.35 | -0.67 | 0.27   | 0.27   | 0.46    | 5300000 | 2450000  |
| 44.355894260 | 22.953610490 | -1.79 | -0.86 | -0.91 | 0.28   | 0.28   | 0.47    | 5350000 | 2450000  |
| 44.276261520 | 23.571587020 | -1.62 | -0.84 | -1.11 | 0.26   | 0.26   | 0.44    | 5400000 | 2450000  |
| 44.192965760 | 24.187988230 | -1.38 | -0.47 | -0.81 | 0.28   | 0.28   | 0.47    | 5450000 | 2450000  |
| 44.106022220 | 24.802753260 | -1.24 | -0.40 | -0.50 | 0.29   | 0.29   | 0.49    | 5500000 | 2450000  |
| 44.015446640 | 25.415822750 | -1.14 | -0.51 | -0.55 | 0.25   | 0.25   | 0.43    | 5550000 | 2450000  |
| 43.921255290 | 26.027138890 | -1.08 | -0.37 | -0.82 | 0.23   | 0.23   | 0.40    | 5600000 | 2450000  |
| 43.823464960 | 26.636645460 | -1.00 | -0.27 | -0.89 | 0.26   | 0.26   | 0.45    | 5650000 | 2450000  |
| 43.722092870 | 27.244287840 | -0.94 | -0.34 | -0.79 | 0.29   | 0.29   | 0.49    | 5700000 | 2450000  |
| 43.617156740 | 27.850013100 | -0.70 | -0.20 | -0.79 | 0.23   | 0.23   | 0.42    | 5750000 | 2450000  |
| 43.508674700 | 28.453769940 | -0.66 | -0.20 | -0.95 | 0.23   | 0.23   | 0.43    | 5800000 | 2450000  |
| 43.396665320 | 29.055508790 | -0.52 | -0.35 | -1.02 | 0.36   | 0.36   | 0.65    | 5850000 | 2450000  |
| 42.515471610 | 33.207377410 | 0.48  | -0.55 | -1.10 | 0.40   | 0.40   | 0.72    | 6200000 | 2450000  |
| 42.375955160 | 33.791396910 | 0.63  | -0.71 | -1.34 | 0.39   | 0.38   | 0.71    | 6250000 | 2450000  |
| 42.233093870 | 34.373031150 | 0.65  | -0.80 | -1.65 | 0.37   | 0.37   | 0.66    | 6300000 | 2450000  |
| 42.086909380 | 34.952248240 | 0.78  | -0.77 | -2.10 | 0.25   | 0.25   | 0.43    | 6350000 | 2450000  |
| 41.937423490 | 35.529018020 | 0.77  | -1.08 | -1.88 | 0.31   | 0.31   | 0.53    | 6400000 | 2450000  |
| 41.784658210 | 36.103312140 | 0.65  | -1.11 | -1.42 | 0.37   | 0.37   | 0.67    | 6450000 | 2450000  |
| 41.628635670 | 36.675104000 | 0.64  | -0.82 | -1.15 | 0.39   | 0.38   | 0.71    | 6500000 | 2450000  |
| 41.469378160 | 37.244368710 | 0.81  | -0.71 | -0.99 | 0.41   | 0.41   | 0.73    | 6550000 | 2450000  |
| 41.306908080 | 37.811083150 | 1.18  | -0.73 | -0.88 | 0.38   | 0.38   | 0.68    | 6600000 | 2450000  |
| 41.141247930 | 38.375225900 | 1.77  | -0.87 | -0.83 | 0.29   | 0.29   | 0.50    | 6650000 | 2450000  |
| 40.972420290 | 38.936777230 | 1.75  | -0.78 | -0.76 | 0.33   | 0.33   | 0.58    | 6700000 | 2450000  |
| 40.800447800 | 39.495719100 | 1.74  | -0.69 | -0.73 | 0.30   | 0.30   | 0.57    | 6750000 | 2450000  |
| 40.625353130 | 40.052035120 | 1.77  | -0.59 | -0.63 | 0.31   | 0.31   | 0.60    | 6800000 | 2450000  |
| 40.447159010 | 40.605710530 | 1.99  | -0.42 | -0.27 | 0.34   | 0.34   | 0.62    | 6850000 | 2450000  |
| 40.265888150 | 41.156732190 | 2.69  | -0.31 | 0.29  | 0.31   | 0.31   | 0.55    | 6900000 | 2450000  |
| 40.081563270 | 41.705088530 | 3.85  | -0.10 | 0.54  | 0.30   | 0.30   | 0.54    | 6950000 | 2450000  |
| 39.894207040 | 42.250769550 | 4.54  | 0.21  | 0.53  | 0.29   | 0.30   | 0.56    | 7000000 | 2450000  |
| 39.703842140 | 42.793766790 | 3.62  | 0.43  | 0.73  | 0.26   | 0.26   | 0.48    | 7050000 | 2450000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 39.510491140 | 43.334073280  | 3.80  | 1.09  | 0.36  | 0.31   | 0.31   | 0.55    | 7100000 | 2450000  |
| 39.314176580 | 43.871683530  | 4.73  | 1.92  | -0.27 | 0.35   | 0.35   | 0.61    | 7150000 | 2450000  |
| 39.114920900 | 44.406593490  | 4.62  | 2.19  | -0.65 | 0.36   | 0.37   | 0.64    | 7200000 | 2450000  |
| 38.912746450 | 44.938800540  | 3.01  | 1.42  | -0.62 | 0.41   | 0.42   | 0.74    | 7250000 | 2450000  |
| 38.707675450 | 45.468303440  | 1.81  | 0.84  | -0.59 | 0.44   | 0.44   | 0.80    | 7300000 | 2450000  |
| 38.499730020 | 45.995102290  | 1.06  | 0.48  | -0.58 | 0.44   | 0.44   | 0.84    | 7350000 | 2450000  |
| 37.927079960 | -26.197628330 | -0.20 | -2.71 | -2.60 | 0.36   | 0.36   | 0.61    | 1250000 | 2400000  |
| 38.135956060 | -25.675124430 | -0.14 | -2.56 | -2.53 | 0.34   | 0.34   | 0.57    | 1300000 | 2400000  |
| 38.341983950 | -25.149981960 | -0.08 | -1.65 | -2.21 | 0.39   | 0.39   | 0.68    | 1350000 | 2400000  |
| 42.865740600 | -9.411403671  | 0.07  | -0.34 | -1.09 | 0.38   | 0.38   | 0.67    | 2750000 | 2400000  |
| 42.979713150 | -8.815422826  | 0.17  | -0.45 | -1.20 | 0.27   | 0.28   | 0.47    | 2800000 | 2400000  |
| 43.090199600 | -8.217444208  | 0.33  | -0.42 | -1.30 | 0.26   | 0.27   | 0.45    | 2850000 | 2400000  |
| 43.197181620 | -7.617514844  | 0.25  | -0.26 | -0.98 | 0.22   | 0.23   | 0.40    | 2900000 | 2400000  |
| 43.300641290 | -7.015683406  | 0.13  | -0.40 | -0.90 | 0.20   | 0.21   | 0.35    | 2950000 | 2400000  |
| 43.400561090 | -6.412000190  | 0.33  | -0.55 | -0.86 | 0.23   | 0.23   | 0.37    | 3000000 | 2400000  |
| 43.496923930 | -5.806517087  | 0.51  | -0.26 | -0.68 | 0.17   | 0.17   | 0.29    | 3050000 | 2400000  |
| 43.589713170 | -5.199287565  | 0.32  | -0.04 | -0.81 | 0.27   | 0.27   | 0.45    | 3100000 | 2400000  |
| 43.678912660 | -4.590366632  | 0.17  | -0.08 | -1.11 | 0.32   | 0.32   | 0.53    | 3150000 | 2400000  |
| 43.764506700 | -3.979810808  | 0.08  | -0.14 | -1.41 | 0.32   | 0.32   | 0.55    | 3200000 | 2400000  |
| 43.846480130 | -3.367678087  | 0.01  | -0.19 | -1.44 | 0.35   | 0.35   | 0.60    | 3250000 | 2400000  |
| 43.924818290 | -2.754027899  | -0.02 | -0.20 | -1.33 | 0.38   | 0.38   | 0.65    | 3300000 | 2400000  |
| 43.999507070 | -2.138921071  | -0.02 | -0.18 | -1.19 | 0.37   | 0.37   | 0.62    | 3350000 | 2400000  |
| 44.070532910 | -1.522419783  | -0.05 | -0.18 | -0.96 | 0.30   | 0.30   | 0.51    | 3400000 | 2400000  |
| 44.137882830 | -0.904587519  | -0.07 | -0.12 | -0.88 | 0.25   | 0.25   | 0.43    | 3450000 | 2400000  |
| 44.201544430 | -0.285489019  | -0.02 | -0.08 | -1.14 | 0.26   | 0.26   | 0.45    | 3500000 | 2400000  |
| 44.261505920 | 0.334809770   | -0.02 | -0.13 | -1.41 | 0.26   | 0.26   | 0.46    | 3550000 | 2400000  |
| 44.317756140 | 0.956241752   | -0.08 | -0.09 | -1.47 | 0.27   | 0.27   | 0.47    | 3600000 | 2400000  |
| 44.370284530 | 1.578738736   | -0.05 | -0.08 | -1.39 | 0.28   | 0.28   | 0.48    | 3650000 | 2400000  |
| 44.419081200 | 2.202231499   | 0.03  | -0.19 | -1.24 | 0.29   | 0.29   | 0.50    | 3700000 | 2400000  |
| 44.464136900 | 2.826649843   | 0.05  | -0.31 | -1.07 | 0.27   | 0.27   | 0.47    | 3750000 | 2400000  |
| 44.505443080 | 3.451922658   | -0.01 | -0.27 | -0.96 | 0.27   | 0.27   | 0.46    | 3800000 | 2400000  |
| 44.542991840 | 4.077977992   | -0.04 | -0.15 | -0.94 | 0.28   | 0.28   | 0.47    | 3850000 | 2400000  |
| 44.576775970 | 4.704743118   | -0.05 | -0.16 | -0.96 | 0.27   | 0.27   | 0.47    | 3900000 | 2400000  |
| 44.606788980 | 5.332144595   | -0.11 | -0.28 | -0.73 | 0.27   | 0.27   | 0.48    | 3950000 | 2400000  |
| 44.633025080 | 5.960108352   | -0.22 | -0.33 | -0.25 | 0.27   | 0.27   | 0.49    | 4000000 | 2400000  |
| 44.655479170 | 6.588559747   | -0.26 | -0.18 | 0.13  | 0.23   | 0.23   | 0.45    | 4050000 | 2400000  |
| 44.674146910 | 7.217423650   | -0.22 | 0.03  | 0.01  | 0.27   | 0.27   | 0.48    | 4100000 | 2400000  |
| 44.689024670 | 7.846624514   | -0.08 | 0.09  | -0.31 | 0.25   | 0.25   | 0.43    | 4150000 | 2400000  |
| 44.700109550 | 8.476086449   | 0.16  | -0.02 | -0.57 | 0.25   | 0.26   | 0.43    | 4200000 | 2400000  |
| 44.707399380 | 9.105733302   | 0.35  | -0.03 | -0.74 | 0.24   | 0.25   | 0.42    | 4250000 | 2400000  |
| 44.710892750 | 9.735488731   | 0.64  | 0.12  | -1.00 | 0.27   | 0.28   | 0.47    | 4300000 | 2400000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 44.710588970 | 10.365276280 | 1.35  | 0.28  | -1.18 | 0.23   | 0.24   | 0.41    | 4350000 | 2400000  |
| 44.706488100 | 10.995019480 | 2.17  | 0.35  | -1.45 | 0.25   | 0.26   | 0.43    | 4400000 | 2400000  |
| 44.698590950 | 11.624641870 | 2.46  | 0.46  | -2.18 | 0.23   | 0.23   | 0.39    | 4450000 | 2400000  |
| 44.686899050 | 12.254067140 | 2.11  | 0.50  | -2.97 | 0.24   | 0.25   | 0.44    | 4500000 | 2400000  |
| 44.671414680 | 12.883219190 | 2.24  | 0.46  | -2.43 | 0.34   | 0.34   | 0.59    | 4550000 | 2400000  |
| 44.652140850 | 13.512022150 | 2.29  | 0.43  | -1.94 | 0.37   | 0.38   | 0.65    | 4600000 | 2400000  |
| 44.629081330 | 14.140400560 | 2.26  | 0.40  | -1.58 | 0.39   | 0.39   | 0.67    | 4650000 | 2400000  |
| 44.602240570 | 14.768279360 | 2.30  | 0.41  | -1.44 | 0.37   | 0.37   | 0.65    | 4700000 | 2400000  |
| 44.571623770 | 15.395583980 | 2.39  | 0.51  | -1.49 | 0.36   | 0.35   | 0.62    | 4750000 | 2400000  |
| 44.537236840 | 16.022240460 | 2.35  | 0.74  | -1.63 | 0.37   | 0.37   | 0.66    | 4800000 | 2400000  |
| 44.499086400 | 16.648175460 | 2.24  | 0.98  | -1.80 | 0.37   | 0.37   | 0.68    | 4850000 | 2400000  |
| 44.457179750 | 17.273316370 | 2.04  | 1.15  | -2.04 | 0.35   | 0.34   | 0.64    | 4900000 | 2400000  |
| 44.411524890 | 17.897591380 | 1.67  | 1.13  | -2.36 | 0.31   | 0.31   | 0.60    | 4950000 | 2400000  |
| 44.362130510 | 18.520929510 | 1.48  | 1.18  | -2.63 | 0.28   | 0.28   | 0.56    | 5000000 | 2400000  |
| 44.309005940 | 19.143260720 | 1.03  | 1.04  | -2.37 | 0.29   | 0.29   | 0.53    | 5050000 | 2400000  |
| 44.252161200 | 19.764515940 | 0.44  | 0.90  | -1.90 | 0.24   | 0.24   | 0.43    | 5100000 | 2400000  |
| 44.191606920 | 20.384627170 | -0.25 | 0.96  | -1.16 | 0.26   | 0.26   | 0.46    | 5150000 | 2400000  |
| 44.127354380 | 21.003527470 | -0.73 | 1.21  | -0.47 | 0.24   | 0.24   | 0.43    | 5200000 | 2400000  |
| 44.059415460 | 21.621151100 | -1.14 | 0.85  | -0.28 | 0.30   | 0.30   | 0.50    | 5250000 | 2400000  |
| 43.987802670 | 22.237433500 | -1.54 | 0.28  | -0.40 | 0.25   | 0.25   | 0.42    | 5300000 | 2400000  |
| 43.912529060 | 22.852311410 | -1.85 | -0.44 | -0.85 | 0.24   | 0.24   | 0.42    | 5350000 | 2400000  |
| 43.833608300 | 23.465722860 | -1.70 | -0.42 | -0.95 | 0.27   | 0.27   | 0.48    | 5400000 | 2400000  |
| 43.751054570 | 24.077607230 | -1.36 | -0.13 | -0.67 | 0.24   | 0.25   | 0.42    | 5450000 | 2400000  |
| 43.664882630 | 24.687905330 | -1.07 | -0.18 | -0.65 | 0.25   | 0.25   | 0.43    | 5500000 | 2400000  |
| 43.575107710 | 25.296559400 | -1.07 | -0.14 | -0.83 | 0.26   | 0.26   | 0.44    | 5550000 | 2400000  |
| 43.481745590 | 25.903513150 | -1.28 | 0.04  | -0.90 | 0.25   | 0.25   | 0.41    | 5600000 | 2400000  |
| 43.384812510 | 26.508711820 | -1.37 | -0.29 | -0.72 | 0.26   | 0.26   | 0.45    | 5650000 | 2400000  |
| 43.284325180 | 27.112102200 | -1.26 | -0.80 | -0.55 | 0.26   | 0.26   | 0.47    | 5700000 | 2400000  |
| 43.180300740 | 27.713632650 | -1.08 | -0.53 | -0.61 | 0.25   | 0.25   | 0.44    | 5750000 | 2400000  |
| 43.072756800 | 28.313253120 | -0.99 | -0.43 | -0.73 | 0.29   | 0.28   | 0.51    | 5800000 | 2400000  |
| 42.961711330 | 28.910915210 | -0.76 | -0.45 | -0.83 | 0.38   | 0.38   | 0.68    | 5850000 | 2400000  |
| 42.222960880 | 32.453260410 | 0.42  | -0.64 | -0.88 | 0.36   | 0.36   | 0.63    | 6150000 | 2400000  |
| 42.087938860 | 33.035998660 | 0.71  | -0.74 | -0.99 | 0.33   | 0.32   | 0.56    | 6200000 | 2400000  |
| 41.949571650 | 33.616451710 | 0.89  | -1.12 | -1.25 | 0.34   | 0.31   | 0.62    | 6250000 | 2400000  |
| 41.807880030 | 34.194586420 | 0.72  | -1.34 | -1.48 | 0.35   | 0.34   | 0.62    | 6300000 | 2400000  |
| 41.662885030 | 34.770371310 | 0.45  | -1.73 | -1.69 | 0.29   | 0.28   | 0.54    | 6350000 | 2400000  |
| 41.514607840 | 35.343776670 | 0.82  | -2.45 | -1.49 | 0.31   | 0.31   | 0.57    | 6400000 | 2400000  |
| 41.363069840 | 35.914774440 | 0.86  | -2.15 | -1.19 | 0.33   | 0.32   | 0.61    | 6450000 | 2400000  |
| 41.208292560 | 36.483338290 | 0.75  | -1.20 | -1.04 | 0.34   | 0.33   | 0.63    | 6500000 | 2400000  |
| 41.050297670 | 37.049443550 | 0.85  | -0.88 | -0.89 | 0.40   | 0.40   | 0.68    | 6550000 | 2400000  |
| 40.889106960 | 37.613067240 | 1.17  | -0.80 | -0.79 | 0.38   | 0.38   | 0.64    | 6600000 | 2400000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 40.724742320 | 38.174188020  | 1.67  | -0.87 | -0.68 | 0.30   | 0.30   | 0.50    | 6650000 | 2400000  |
| 40.557225720 | 38.732786190  | 1.59  | -0.78 | -0.58 | 0.34   | 0.34   | 0.57    | 6700000 | 2400000  |
| 40.386579200 | 39.288843680  | 1.45  | -0.72 | -0.54 | 0.31   | 0.31   | 0.59    | 6750000 | 2400000  |
| 40.212824850 | 39.842344030  | 1.50  | -0.53 | -0.46 | 0.31   | 0.31   | 0.60    | 6800000 | 2400000  |
| 40.035984790 | 40.393272330  | 1.87  | -0.40 | -0.12 | 0.33   | 0.33   | 0.61    | 6850000 | 2400000  |
| 39.856081160 | 40.941615270  | 2.75  | -0.47 | 0.49  | 0.29   | 0.29   | 0.51    | 6900000 | 2400000  |
| 39.673136070 | 41.487361060  | 3.95  | -0.41 | 0.56  | 0.30   | 0.30   | 0.51    | 6950000 | 2400000  |
| 39.487171650 | 42.030499410  | 4.29  | -0.15 | 0.32  | 0.34   | 0.35   | 0.61    | 7000000 | 2400000  |
| 39.298209990 | 42.571021540  | 3.47  | 0.21  | 0.35  | 0.37   | 0.37   | 0.63    | 7050000 | 2400000  |
| 39.106273120 | 43.108920120  | 3.35  | 0.65  | 0.16  | 0.38   | 0.38   | 0.64    | 7100000 | 2400000  |
| 38.911383010 | 43.644189260  | 3.86  | 1.04  | -0.17 | 0.37   | 0.37   | 0.60    | 7150000 | 2400000  |
| 38.713561560 | 44.176824490  | 16.21 | -4.14 | -0.44 | 0.41   | 0.33   | 0.59    | 7200000 | 2400000  |
| 38.512830580 | 44.706822690  | 16.99 | -5.17 | -0.47 | 0.49   | 0.40   | 0.69    | 7250000 | 2400000  |
| 38.309211770 | 45.234182110  | 17.31 | -5.63 | -0.49 | 0.54   | 0.43   | 0.77    | 7300000 | 2400000  |
| 38.102726730 | 45.758902330  | 17.62 | -5.74 | -0.51 | 0.58   | 0.44   | 0.82    | 7350000 | 2400000  |
| 37.893396900 | 46.280984210  | 18.02 | -5.68 | -0.55 | 0.61   | 0.45   | 0.85    | 7400000 | 2400000  |
| 37.530162230 | -25.963645570 | -0.25 | -3.27 | -2.38 | 0.33   | 0.33   | 0.55    | 1250000 | 2350000  |
| 37.737593670 | -25.443158470 | -0.14 | -3.17 | -2.55 | 0.18   | 0.19   | 0.30    | 1300000 | 2350000  |
| 37.942184800 | -24.920095640 | -0.09 | -1.90 | -2.21 | 0.34   | 0.34   | 0.58    | 1350000 | 2350000  |
| 42.431130260 | -9.266309345  | 0.01  | -0.46 | -1.05 | 0.34   | 0.34   | 0.59    | 2750000 | 2350000  |
| 42.544136930 | -8.674287748  | 0.09  | -0.58 | -1.05 | 0.25   | 0.25   | 0.42    | 2800000 | 2350000  |
| 42.653682460 | -8.080326811  | 0.34  | -0.57 | -1.14 | 0.21   | 0.23   | 0.39    | 2850000 | 2350000  |
| 42.759749070 | -7.484472476  | 0.17  | -0.36 | -1.12 | 0.27   | 0.27   | 0.46    | 2900000 | 2350000  |
| 42.862319390 | -6.886772257  | -0.10 | -0.38 | -1.10 | 0.27   | 0.27   | 0.46    | 2950000 | 2350000  |
| 42.961376430 | -6.287275223  | -0.16 | -0.52 | -1.01 | 0.23   | 0.23   | 0.38    | 3000000 | 2350000  |
| 43.056903640 | -5.686031974  | 0.19  | -0.46 | -0.81 | 0.23   | 0.24   | 0.40    | 3050000 | 2350000  |
| 43.148884890 | -5.083094614  | 0.31  | -0.37 | -0.79 | 0.23   | 0.23   | 0.39    | 3100000 | 2350000  |
| 43.237304520 | -4.478516722  | 0.21  | -0.29 | -1.12 | 0.21   | 0.21   | 0.36    | 3150000 | 2350000  |
| 43.322147340 | -3.872353320  | 0.07  | -0.32 | -1.50 | 0.20   | 0.20   | 0.32    | 3200000 | 2350000  |
| 43.403398650 | -3.264660842  | -0.05 | -0.34 | -1.49 | 0.23   | 0.23   | 0.39    | 3250000 | 2350000  |
| 43.481044260 | -2.655497091  | -0.08 | -0.27 | -1.38 | 0.29   | 0.29   | 0.48    | 3300000 | 2350000  |
| 43.555070510 | -2.044921204  | -0.05 | -0.17 | -1.28 | 0.29   | 0.29   | 0.48    | 3350000 | 2350000  |
| 43.625464280 | -1.432993611  | -0.09 | -0.07 | -1.02 | 0.27   | 0.27   | 0.45    | 3400000 | 2350000  |
| 43.692212980 | -0.819775985  | -0.14 | -0.01 | -0.81 | 0.23   | 0.23   | 0.40    | 3450000 | 2350000  |
| 43.755304640 | -0.205331199  | -0.03 | -0.10 | -0.96 | 0.23   | 0.23   | 0.40    | 3500000 | 2350000  |
| 43.814727830 | 0.410276725   | 0.01  | -0.20 | -1.18 | 0.26   | 0.26   | 0.46    | 3550000 | 2350000  |
| 43.870471750 | 1.026982669   | -0.03 | -0.20 | -1.31 | 0.26   | 0.25   | 0.45    | 3600000 | 2350000  |
| 43.922526200 | 1.644720471   | -0.02 | -0.22 | -1.28 | 0.28   | 0.28   | 0.47    | 3650000 | 2350000  |
| 43.970881590 | 2.263422985   | -0.01 | -0.30 | -1.09 | 0.27   | 0.27   | 0.46    | 3700000 | 2350000  |
| 44.015529000 | 2.883022134   | -0.05 | -0.32 | -0.85 | 0.26   | 0.26   | 0.45    | 3750000 | 2350000  |
| 44.056460130 | 3.503448979   | -0.11 | -0.22 | -0.75 | 0.25   | 0.25   | 0.42    | 3800000 | 2350000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 44.093667350 | 4.124633773  | -0.12 | -0.15 | -0.93 | 0.24   | 0.24   | 0.41    | 3850000 | 2350000  |
| 44.127143700 | 4.746506031  | -0.14 | -0.22 | -1.06 | 0.25   | 0.25   | 0.44    | 3900000 | 2350000  |
| 44.156882890 | 5.368994594  | -0.21 | -0.29 | -0.83 | 0.27   | 0.26   | 0.47    | 3950000 | 2350000  |
| 44.182879320 | 5.992027694  | -0.23 | -0.22 | -0.44 | 0.27   | 0.26   | 0.49    | 4000000 | 2350000  |
| 44.205128080 | 6.615533029  | -0.18 | -0.09 | -0.31 | 0.27   | 0.27   | 0.49    | 4050000 | 2350000  |
| 44.223624940 | 7.239437828  | -0.18 | 0.02  | -0.39 | 0.26   | 0.26   | 0.47    | 4100000 | 2350000  |
| 44.238366420 | 7.863668921  | -0.15 | 0.05  | -0.50 | 0.24   | 0.24   | 0.42    | 4150000 | 2350000  |
| 44.249349690 | 8.488152817  | -0.04 | -0.05 | -0.61 | 0.25   | 0.26   | 0.43    | 4200000 | 2350000  |
| 44.256572680 | 9.112815771  | 0.07  | -0.08 | -0.82 | 0.24   | 0.25   | 0.43    | 4250000 | 2350000  |
| 44.260034010 | 9.737583858  | 0.27  | 0.09  | -1.14 | 0.23   | 0.23   | 0.41    | 4300000 | 2350000  |
| 44.259733020 | 10.362383050 | 1.02  | 0.29  | -1.15 | 0.24   | 0.24   | 0.41    | 4350000 | 2350000  |
| 44.255669760 | 10.987139290 | 2.15  | 0.39  | -0.87 | 0.25   | 0.26   | 0.43    | 4400000 | 2350000  |
| 44.247845010 | 11.611778560 | 2.84  | 0.52  | -1.15 | 0.23   | 0.24   | 0.40    | 4450000 | 2350000  |
| 44.236260270 | 12.236226950 | 2.79  | 0.69  | -1.65 | 0.27   | 0.28   | 0.47    | 4500000 | 2350000  |
| 44.220917720 | 12.860410770 | 2.93  | 0.87  | -1.53 | 0.30   | 0.31   | 0.52    | 4550000 | 2350000  |
| 44.201820300 | 13.484256560 | 2.88  | 0.84  | -1.19 | 0.35   | 0.36   | 0.61    | 4600000 | 2350000  |
| 44.178971620 | 14.107691220 | 2.67  | 0.71  | -1.07 | 0.38   | 0.38   | 0.65    | 4650000 | 2350000  |
| 44.152376000 | 14.730642040 | 2.61  | 0.54  | -1.11 | 0.33   | 0.34   | 0.57    | 4700000 | 2350000  |
| 44.122038470 | 15.353036800 | 2.72  | 0.45  | -1.22 | 0.21   | 0.21   | 0.37    | 4750000 | 2350000  |
| 44.087964740 | 15.974803830 | 2.41  | 0.64  | -1.35 | 0.36   | 0.36   | 0.62    | 4800000 | 2350000  |
| 44.050161210 | 16.595872070 | 2.32  | 0.89  | -1.57 | 0.36   | 0.36   | 0.66    | 4850000 | 2350000  |
| 44.008634940 | 17.216171150 | 2.20  | 1.15  | -1.90 | 0.34   | 0.34   | 0.63    | 4900000 | 2350000  |
| 43.963393680 | 17.835631450 | 1.77  | 1.03  | -2.12 | 0.32   | 0.33   | 0.60    | 4950000 | 2350000  |
| 43.914445820 | 18.454184160 | 1.27  | 0.66  | -2.06 | 0.25   | 0.26   | 0.52    | 5000000 | 2350000  |
| 43.861800400 | 19.071761350 | 0.96  | 0.59  | -1.93 | 0.32   | 0.32   | 0.56    | 5050000 | 2350000  |
| 43.805467100 | 19.688296030 | 0.44  | 0.52  | -1.51 | 0.27   | 0.27   | 0.47    | 5100000 | 2350000  |
| 43.745456210 | 20.303722210 | -0.25 | 0.80  | -0.95 | 0.26   | 0.26   | 0.46    | 5150000 | 2350000  |
| 43.681778640 | 20.917974920 | -0.80 | 1.07  | -0.38 | 0.29   | 0.29   | 0.50    | 5200000 | 2350000  |
| 43.614445900 | 21.530990330 | -1.24 | 1.00  | -0.11 | 0.27   | 0.27   | 0.47    | 5250000 | 2350000  |
| 43.543470080 | 22.142705770 | -1.49 | 0.59  | -0.45 | 0.26   | 0.26   | 0.45    | 5300000 | 2350000  |
| 43.468863840 | 22.753059740 | -1.68 | 0.23  | -0.93 | 0.26   | 0.27   | 0.48    | 5350000 | 2350000  |
| 43.390640380 | 23.361992030 | -1.68 | 0.06  | -0.96 | 0.25   | 0.26   | 0.49    | 5400000 | 2350000  |
| 43.308813460 | 23.969443700 | -1.52 | -0.21 | -0.59 | 0.23   | 0.23   | 0.42    | 5450000 | 2350000  |
| 43.223397350 | 24.575357180 | -1.29 | -0.34 | -0.78 | 0.24   | 0.24   | 0.42    | 5500000 | 2350000  |
| 43.134406830 | 25.179676250 | -1.23 | 0.02  | -0.99 | 0.28   | 0.28   | 0.47    | 5550000 | 2350000  |
| 43.041857160 | 25.782346110 | -1.31 | 0.14  | -0.96 | 0.26   | 0.26   | 0.43    | 5600000 | 2350000  |
| 42.945764090 | 26.383313430 | -1.30 | -0.35 | -0.66 | 0.28   | 0.28   | 0.47    | 5650000 | 2350000  |
| 42.846143800 | 26.982526330 | -1.20 | -0.62 | -0.49 | 0.29   | 0.29   | 0.51    | 5700000 | 2350000  |
| 42.743012920 | 27.579934470 | -1.30 | -0.57 | -0.48 | 0.25   | 0.25   | 0.47    | 5750000 | 2350000  |
| 42.636388500 | 28.175489010 | -1.32 | -0.63 | -0.59 | 0.29   | 0.29   | 0.57    | 5800000 | 2350000  |
| 41.924280260 | 31.707355450 | -0.01 | -1.13 | -0.79 | 0.40   | 0.40   | 0.72    | 6100000 | 2350000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 41.793709590 | 32.288700930  | 0.41  | -1.08  | -0.75 | 0.32   | 0.32   | 0.55    | 6150000 | 2350000  |
| 41.659794570 | 32.867859710  | 0.77  | -1.20  | -0.79 | 0.26   | 0.26   | 0.44    | 6200000 | 2350000  |
| 41.522555170 | 33.444797510  | 0.89  | -1.51  | -0.94 | 0.32   | 0.33   | 0.57    | 6250000 | 2350000  |
| 41.382011580 | 34.019481710  | 0.79  | -1.76  | -1.07 | 0.31   | 0.32   | 0.58    | 6300000 | 2350000  |
| 41.238184230 | 34.591881310  | 6.12  | -12.22 | -1.14 | 0.40   | 0.51   | 0.59    | 6350000 | 2350000  |
| 41.091093720 | 35.161966980  | 6.13  | -12.44 | -1.01 | 0.38   | 0.49   | 0.57    | 6400000 | 2350000  |
| 40.940760820 | 35.729711040  | 6.26  | -13.34 | -0.93 | 0.32   | 0.45   | 0.54    | 6450000 | 2350000  |
| 40.787206470 | 36.295087410  | 6.10  | -13.25 | -0.85 | 0.32   | 0.46   | 0.58    | 6500000 | 2350000  |
| 40.630451740 | 36.858071660  | 5.63  | -12.44 | -0.72 | 0.34   | 0.47   | 0.62    | 6550000 | 2350000  |
| 40.470517840 | 37.418640970  | 5.14  | -12.01 | -0.70 | 0.29   | 0.42   | 0.59    | 6600000 | 2350000  |
| 40.307426060 | 37.9776774110 | 5.54  | -12.47 | -0.43 | 0.30   | 0.44   | 0.56    | 6650000 | 2350000  |
| 40.141197780 | 38.532451430  | 5.88  | -13.14 | -0.40 | 0.29   | 0.44   | 0.56    | 6700000 | 2350000  |
| 39.971854460 | 39.085654860  | 5.64  | -13.19 | -0.55 | 0.29   | 0.44   | 0.58    | 6750000 | 2350000  |
| 39.799417610 | 39.636367880  | 4.85  | -12.53 | -0.71 | 0.34   | 0.46   | 0.62    | 6800000 | 2350000  |
| 39.623908770 | 40.184575510  | 12.16 | -8.73  | -0.41 | 0.39   | 0.43   | 0.65    | 6850000 | 2350000  |
| 39.445349500 | 40.730264250  | 12.78 | -8.76  | 0.05  | 0.40   | 0.44   | 0.63    | 6900000 | 2350000  |
| 39.263761370 | 41.273422140  | 13.46 | -8.28  | 0.16  | 0.42   | 0.44   | 0.62    | 6950000 | 2350000  |
| 39.079165930 | 41.814038650  | 14.03 | -7.40  | 0.08  | 0.42   | 0.43   | 0.64    | 7000000 | 2350000  |
| 38.891584720 | 42.352104700  | 14.49 | -6.34  | 0.07  | 0.40   | 0.40   | 0.68    | 7050000 | 2350000  |
| 38.701039220 | 42.887612660  | 15.13 | -5.47  | -0.04 | 0.42   | 0.40   | 0.68    | 7100000 | 2350000  |
| 38.507550870 | 43.420556260  | 15.90 | -4.66  | -0.19 | 0.41   | 0.37   | 0.63    | 7150000 | 2350000  |
| 38.311141040 | 43.950930620  | 16.99 | -4.52  | -0.26 | 0.38   | 0.29   | 0.51    | 7200000 | 2350000  |
| 38.111831000 | 44.478732210  | 17.28 | -5.13  | -0.29 | 0.44   | 0.35   | 0.60    | 7250000 | 2350000  |
| 37.909641950 | 45.003958800  | 17.06 | -5.38  | -0.35 | 0.51   | 0.40   | 0.74    | 7300000 | 2350000  |
| 37.704594970 | 45.526609470  | 17.30 | -5.44  | -0.42 | 0.56   | 0.43   | 0.81    | 7350000 | 2350000  |
| 37.496711010 | 46.046684550  | 17.75 | -5.38  | -0.50 | 0.59   | 0.44   | 0.84    | 7400000 | 2350000  |
| 37.132112980 | -25.733499710 | -0.34 | -3.17  | -2.12 | 0.35   | 0.36   | 0.61    | 1250000 | 2300000  |
| 37.338121670 | -25.215020840 | -0.36 | -3.38  | -2.23 | 0.30   | 0.31   | 0.50    | 1300000 | 2300000  |
| 37.541298030 | -24.694027580 | -0.21 | -2.23  | -2.02 | 0.36   | 0.37   | 0.63    | 1350000 | 2300000  |
| 41.996036550 | -9.124017126  | -0.01 | -0.58  | -1.15 | 0.31   | 0.32   | 0.54    | 2750000 | 2300000  |
| 42.108096130 | -8.535889443  | 0.07  | -0.66  | -1.24 | 0.24   | 0.24   | 0.40    | 2800000 | 2300000  |
| 42.216719150 | -7.945878839  | 0.23  | -0.54  | -1.32 | 0.22   | 0.23   | 0.39    | 2850000 | 2300000  |
| 42.321888380 | -7.354030191  | 0.12  | -0.37  | -1.27 | 0.25   | 0.26   | 0.43    | 2900000 | 2300000  |
| 42.423586950 | -6.760389880  | -0.17 | -0.39  | -1.17 | 0.24   | 0.25   | 0.43    | 2950000 | 2300000  |
| 42.521798420 | -6.165005781  | -0.19 | -0.51  | -0.99 | 0.24   | 0.24   | 0.40    | 3000000 | 2300000  |
| 42.616506710 | -5.567927230  | 0.06  | -0.55  | -0.87 | 0.24   | 0.24   | 0.39    | 3050000 | 2300000  |
| 42.707696210 | -4.969205005  | 0.29  | -0.50  | -0.98 | 0.29   | 0.29   | 0.49    | 3100000 | 2300000  |
| 42.795351750 | -4.368891294  | 0.33  | -0.50  | -1.20 | 0.28   | 0.28   | 0.47    | 3150000 | 2300000  |
| 42.879458590 | -3.767039667  | 0.17  | -0.49  | -1.31 | 0.26   | 0.26   | 0.43    | 3200000 | 2300000  |
| 42.960002510 | -3.163705040  | -0.11 | -0.42  | -1.21 | 0.24   | 0.24   | 0.39    | 3250000 | 2300000  |
| 43.036969760 | -2.558943640  | -0.18 | -0.31  | -1.18 | 0.23   | 0.23   | 0.38    | 3300000 | 2300000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 43.110347110 | -1.952812970 | -0.08 | -0.19 | -1.19 | 0.22   | 0.22   | 0.36    | 3350000 | 2300000  |
| 43.180121850 | -1.345371762 | -0.12 | -0.08 | -0.94 | 0.24   | 0.24   | 0.40    | 3400000 | 2300000  |
| 43.246281810 | -0.736679941 | -0.20 | -0.05 | -0.73 | 0.23   | 0.23   | 0.39    | 3450000 | 2300000  |
| 43.308815370 | -0.126798572 | -0.12 | -0.14 | -0.75 | 0.24   | 0.24   | 0.41    | 3500000 | 2300000  |
| 43.367711500 | 0.484210180  | -0.02 | -0.23 | -0.85 | 0.24   | 0.24   | 0.42    | 3550000 | 2300000  |
| 43.422959720 | 1.096283105  | 0.02  | -0.27 | -0.98 | 0.25   | 0.25   | 0.42    | 3600000 | 2300000  |
| 43.474550170 | 1.709355999  | -0.02 | -0.29 | -1.06 | 0.25   | 0.25   | 0.42    | 3650000 | 2300000  |
| 43.522473580 | 2.323363719  | -0.10 | -0.26 | -0.93 | 0.26   | 0.26   | 0.45    | 3700000 | 2300000  |
| 43.566721300 | 2.938240236  | -0.18 | -0.19 | -0.78 | 0.23   | 0.23   | 0.40    | 3750000 | 2300000  |
| 43.607285320 | 3.553918695  | -0.15 | -0.12 | -0.97 | 0.24   | 0.24   | 0.40    | 3800000 | 2300000  |
| 43.644158250 | 4.170331476  | -0.10 | -0.22 | -1.37 | 0.22   | 0.22   | 0.38    | 3850000 | 2300000  |
| 43.677333350 | 4.787410254  | -0.06 | -0.34 | -1.54 | 0.25   | 0.24   | 0.42    | 3900000 | 2300000  |
| 43.706804540 | 5.405086061  | -0.11 | -0.25 | -1.14 | 0.25   | 0.25   | 0.43    | 3950000 | 2300000  |
| 43.732566410 | 6.023289351  | -0.10 | -0.08 | -0.72 | 0.24   | 0.24   | 0.42    | 4000000 | 2300000  |
| 43.754614210 | 6.641950068  | -0.06 | -0.09 | -0.81 | 0.25   | 0.26   | 0.43    | 4050000 | 2300000  |
| 43.772943850 | 7.260997709  | -0.16 | -0.20 | -0.95 | 0.20   | 0.21   | 0.35    | 4100000 | 2300000  |
| 43.787551950 | 7.880361394  | -0.20 | -0.18 | -0.82 | 0.29   | 0.29   | 0.50    | 4150000 | 2300000  |
| 43.798435800 | 8.499969934  | -0.08 | -0.14 | -0.85 | 0.34   | 0.34   | 0.58    | 4200000 | 2300000  |
| 43.805593380 | 9.119751898  | 0.00  | -0.11 | -1.04 | 0.34   | 0.35   | 0.58    | 4250000 | 2300000  |
| 43.809023350 | 9.739635689  | 0.12  | -0.05 | -1.33 | 0.29   | 0.30   | 0.51    | 4300000 | 2300000  |
| 43.808725090 | 10.359549610 | 0.49  | -0.03 | -1.26 | 0.25   | 0.26   | 0.44    | 4350000 | 2300000  |
| 43.804698640 | 10.979421920 | 1.32  | -0.08 | -0.42 | 0.21   | 0.22   | 0.38    | 4400000 | 2300000  |
| 43.796944750 | 11.599180950 | 2.07  | -0.01 | -0.14 | 0.26   | 0.27   | 0.45    | 4450000 | 2300000  |
| 43.785464860 | 12.218755100 | 2.67  | 0.45  | -0.30 | 0.26   | 0.27   | 0.44    | 4500000 | 2300000  |
| 43.770261110 | 12.838073000 | 3.46  | 1.11  | -0.33 | 0.22   | 0.23   | 0.38    | 4550000 | 2300000  |
| 43.751336320 | 13.457063480 | 3.69  | 1.27  | -0.21 | 0.26   | 0.27   | 0.45    | 4600000 | 2300000  |
| 43.728693980 | 14.075655740 | 3.10  | 1.08  | -0.48 | 0.35   | 0.35   | 0.60    | 4650000 | 2300000  |
| 43.702338280 | 14.693779330 | 2.71  | 0.81  | -0.76 | 0.36   | 0.37   | 0.62    | 4700000 | 2300000  |
| 43.672274080 | 15.311364270 | 2.54  | 0.64  | -0.94 | 0.35   | 0.35   | 0.60    | 4750000 | 2300000  |
| 43.638506900 | 15.928341110 | 2.41  | 0.62  | -1.04 | 0.35   | 0.35   | 0.62    | 4800000 | 2300000  |
| 43.601042930 | 16.544640970 | 2.43  | 0.71  | -1.19 | 0.28   | 0.28   | 0.57    | 4850000 | 2300000  |
| 43.559889010 | 17.160195640 | 2.30  | 0.99  | -1.67 | 0.33   | 0.33   | 0.63    | 4900000 | 2300000  |
| 43.515052620 | 17.774937620 | 2.04  | 0.89  | -1.97 | 0.34   | 0.34   | 0.63    | 4950000 | 2300000  |
| 43.466541890 | 18.388800190 | 1.58  | 0.58  | -1.91 | 0.35   | 0.35   | 0.62    | 5000000 | 2300000  |
| 43.414365560 | 19.001717440 | 1.06  | 0.33  | -1.60 | 0.34   | 0.34   | 0.60    | 5050000 | 2300000  |
| 43.358532990 | 19.613624390 | 0.43  | 0.07  | -1.10 | 0.21   | 0.22   | 0.45    | 5100000 | 2300000  |
| 43.299054160 | 20.224456980 | -0.25 | 0.58  | -0.89 | 0.27   | 0.28   | 0.50    | 5150000 | 2300000  |
| 43.235939610 | 20.834152170 | -0.93 | 0.84  | -0.64 | 0.28   | 0.28   | 0.50    | 5200000 | 2300000  |
| 43.169200500 | 21.442647970 | -1.51 | 0.68  | -0.52 | 0.27   | 0.27   | 0.48    | 5250000 | 2300000  |
| 43.098848510 | 22.049883490 | -1.79 | 0.43  | -0.88 | 0.27   | 0.28   | 0.48    | 5300000 | 2300000  |
| 43.024895910 | 22.655798990 | -1.86 | 0.48  | -1.40 | 0.24   | 0.24   | 0.42    | 5350000 | 2300000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 42.947355490 | 23.260335940  | -1.88 | 0.29   | -1.17 | 0.26   | 0.26   | 0.45    | 5400000 | 2300000  |
| 42.866240560 | 23.863437030  | -1.84 | -0.18  | -0.63 | 0.24   | 0.24   | 0.42    | 5450000 | 2300000  |
| 42.781564960 | 24.465046240  | -1.71 | -0.22  | -0.66 | 0.23   | 0.23   | 0.40    | 5500000 | 2300000  |
| 42.693342990 | 25.065108880  | -1.43 | 0.22   | -0.84 | 0.26   | 0.26   | 0.43    | 5550000 | 2300000  |
| 42.601589440 | 25.663571590  | -1.14 | 0.15   | -0.72 | 0.26   | 0.26   | 0.44    | 5600000 | 2300000  |
| 42.506319580 | 26.260382400  | -1.05 | -0.23  | -0.53 | 0.27   | 0.27   | 0.47    | 5650000 | 2300000  |
| 42.407549090 | 26.855490770  | -0.96 | 0.03   | -0.47 | 0.29   | 0.29   | 0.51    | 5700000 | 2300000  |
| 42.305294100 | 27.448847600  | -1.10 | 0.13   | -0.47 | 0.23   | 0.23   | 0.46    | 5750000 | 2300000  |
| 42.199571120 | 28.040405240  | -1.43 | -0.69  | -0.54 | 0.23   | 0.23   | 0.56    | 5800000 | 2300000  |
| 42.090397080 | 28.630117550  | -1.22 | -0.77  | -0.62 | 0.36   | 0.36   | 0.68    | 5850000 | 2300000  |
| 41.619541350 | 30.969643930  | -0.60 | -1.85  | -0.82 | 0.41   | 0.41   | 0.74    | 6050000 | 2300000  |
| 41.493378190 | 31.549490950  | -0.27 | -1.81  | -0.71 | 0.40   | 0.40   | 0.71    | 6100000 | 2300000  |
| 41.363872690 | 32.127248080  | 0.16  | -1.77  | -0.62 | 0.35   | 0.35   | 0.60    | 6150000 | 2300000  |
| 41.231043980 | 32.702880040  | 0.56  | -2.16  | -0.58 | 0.10   | 0.10   | 0.27    | 6200000 | 2300000  |
| 41.094911470 | 33.276353150  | 0.65  | -1.72  | -0.54 | 0.34   | 0.35   | 0.55    | 6250000 | 2300000  |
| 40.955494770 | 33.847635330  | 1.47  | -19.84 | -0.50 | 0.35   | 0.36   | 0.55    | 6300000 | 2300000  |
| 40.812813720 | 34.416696060  | 2.54  | -19.46 | -0.62 | 0.36   | 0.36   | 0.59    | 6350000 | 2300000  |
| 40.666888340 | 34.983506420  | 3.52  | -18.73 | -0.77 | 0.29   | 0.28   | 0.52    | 6400000 | 2300000  |
| 40.517738850 | 35.548039080  | 4.92  | -20.02 | -0.80 | 0.29   | 0.30   | 0.54    | 6450000 | 2300000  |
| 40.365385590 | 36.110268280  | 5.91  | -19.79 | -0.66 | 0.30   | 0.31   | 0.55    | 6500000 | 2300000  |
| 40.209849050 | 36.670169800  | 6.51  | -18.68 | -0.43 | 0.28   | 0.29   | 0.53    | 6550000 | 2300000  |
| 40.051149870 | 37.227721020  | 7.20  | -18.35 | -0.34 | 0.30   | 0.30   | 0.55    | 6600000 | 2300000  |
| 39.889308770 | 37.782900820  | 8.42  | -17.87 | -0.42 | 0.32   | 0.33   | 0.59    | 6650000 | 2300000  |
| 39.724346550 | 38.335689660  | 9.62  | -17.63 | -0.63 | 0.31   | 0.31   | 0.58    | 6700000 | 2300000  |
| 39.556284110 | 38.886069470  | 5.30  | -13.05 | -0.94 | 0.31   | 0.45   | 0.59    | 6750000 | 2300000  |
| 39.385142380 | 39.434023720  | 4.12  | -12.46 | -1.22 | 0.30   | 0.44   | 0.58    | 6800000 | 2300000  |
| 39.210942360 | 39.979537340  | 11.37 | -8.39  | -0.83 | 0.33   | 0.36   | 0.61    | 6850000 | 2300000  |
| 39.033705040 | 40.522596730  | 12.28 | -9.14  | -0.15 | 0.33   | 0.35   | 0.62    | 6900000 | 2300000  |
| 38.853451440 | 41.063189740  | 13.22 | -8.32  | 0.07  | 0.38   | 0.40   | 0.65    | 6950000 | 2300000  |
| 38.670202570 | 41.601305660  | 13.84 | -7.20  | 0.07  | 0.39   | 0.39   | 0.66    | 7000000 | 2300000  |
| 38.483979420 | 42.136935150  | 14.18 | -5.91  | -0.02 | 0.34   | 0.33   | 0.67    | 7050000 | 2300000  |
| 38.294802950 | 42.670070280  | 14.97 | -5.20  | -0.12 | 0.39   | 0.35   | 0.68    | 7100000 | 2300000  |
| 38.102694070 | 43.200704470  | 15.96 | -4.66  | -0.24 | 0.39   | 0.32   | 0.63    | 7150000 | 2300000  |
| 37.907673610 | 43.728832480  | 17.06 | -5.01  | -0.17 | 0.38   | 0.30   | 0.54    | 7200000 | 2300000  |
| 37.709762360 | 44.254450360  | 16.90 | -5.20  | -0.17 | 0.42   | 0.33   | 0.60    | 7250000 | 2300000  |
| 37.508980990 | 44.777555470  | 16.35 | -5.19  | -0.21 | 0.46   | 0.36   | 0.71    | 7300000 | 2300000  |
| 37.305350090 | 45.298146410  | 16.87 | -5.18  | -0.35 | 0.53   | 0.42   | 0.79    | 7350000 | 2300000  |
| 37.098890110 | 45.816223040  | 17.48 | -5.09  | -0.46 | 0.58   | 0.44   | 0.84    | 7400000 | 2300000  |
| 36.732947190 | -25.507115970 | -0.40 | -2.90  | -1.84 | 0.35   | 0.37   | 0.62    | 1250000 | 2250000  |
| 36.937554680 | -24.990636010 | -0.55 | -3.72  | -1.95 | 0.23   | 0.27   | 0.42    | 1300000 | 2250000  |
| 37.139337920 | -24.471701580 | -0.30 | -2.27  | -1.76 | 0.38   | 0.39   | 0.67    | 1350000 | 2250000  |



| #Latitude    | Longitude    | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 41.560461310 | -8.984454861 | 0.01  | -0.69 | -1.26 | 0.31   | 0.31   | 0.54    | 2750000 | 2250000  |
| 41.671592130 | -8.400156988 | 0.06  | -0.74 | -1.35 | 0.22   | 0.23   | 0.40    | 2800000 | 2250000  |
| 41.779310600 | -7.814030683 | 0.17  | -0.54 | -1.25 | 0.25   | 0.25   | 0.44    | 2850000 | 2250000  |
| 41.883600000 | -7.226119778 | 0.25  | -0.44 | -1.29 | 0.23   | 0.23   | 0.39    | 2900000 | 2250000  |
| 41.984443990 | -6.636469550 | 0.22  | -0.53 | -1.31 | 0.22   | 0.22   | 0.37    | 2950000 | 2250000  |
| 42.081826600 | -6.045126703 | 0.07  | -0.54 | -1.11 | 0.30   | 0.30   | 0.49    | 3000000 | 2250000  |
| 42.175732260 | -5.452139345 | 0.18  | -0.47 | -1.06 | 0.26   | 0.26   | 0.43    | 3050000 | 2250000  |
| 42.266145840 | -4.857556961 | 0.28  | -0.42 | -1.25 | 0.29   | 0.29   | 0.47    | 3100000 | 2250000  |
| 42.353052620 | -4.261430387 | 0.34  | -0.46 | -1.43 | 0.28   | 0.28   | 0.47    | 3150000 | 2250000  |
| 42.436438330 | -3.663811781 | 0.27  | -0.47 | -1.45 | 0.24   | 0.24   | 0.40    | 3200000 | 2250000  |
| 42.516289190 | -3.064754587 | -0.06 | -0.41 | -1.09 | 0.24   | 0.24   | 0.40    | 3250000 | 2250000  |
| 42.592591880 | -2.464313505 | -0.19 | -0.37 | -0.85 | 0.22   | 0.22   | 0.37    | 3300000 | 2250000  |
| 42.665333580 | -1.862544450 | -0.15 | -0.31 | -0.76 | 0.23   | 0.23   | 0.38    | 3350000 | 2250000  |
| 42.734501990 | -1.259504516 | -0.19 | -0.19 | -0.63 | 0.23   | 0.23   | 0.39    | 3400000 | 2250000  |
| 42.800085310 | -0.655251933 | -0.30 | -0.07 | -0.55 | 0.23   | 0.23   | 0.39    | 3450000 | 2250000  |
| 42.862072300 | -0.049846022 | -0.28 | -0.07 | -0.56 | 0.26   | 0.26   | 0.43    | 3500000 | 2250000  |
| 42.920452280 | 0.556652848  | -0.19 | -0.11 | -0.55 | 0.24   | 0.24   | 0.41    | 3550000 | 2250000  |
| 42.975215100 | 1.164183311  | -0.13 | -0.14 | -0.62 | 0.22   | 0.22   | 0.38    | 3600000 | 2250000  |
| 43.026351220 | 1.772683050  | -0.14 | -0.15 | -0.76 | 0.24   | 0.24   | 0.42    | 3650000 | 2250000  |
| 43.073851670 | 2.382088854  | -0.16 | -0.09 | -0.75 | 0.24   | 0.24   | 0.41    | 3700000 | 2250000  |
| 43.117708080 | 2.992336667  | -0.16 | -0.05 | -0.80 | 0.25   | 0.25   | 0.43    | 3750000 | 2250000  |
| 43.157912690 | 3.603361645  | -0.10 | -0.09 | -1.13 | 0.27   | 0.27   | 0.46    | 3800000 | 2250000  |
| 43.194458360 | 4.215098216  | -0.04 | -0.22 | -1.48 | 0.31   | 0.31   | 0.53    | 3850000 | 2250000  |
| 43.227338560 | 4.827480134  | 0.02  | -0.31 | -1.68 | 0.28   | 0.28   | 0.48    | 3900000 | 2250000  |
| 43.256547420 | 5.440440541  | -0.06 | -0.21 | -1.39 | 0.17   | 0.19   | 0.35    | 3950000 | 2250000  |
| 43.282079690 | 6.053912030  | -0.17 | -0.14 | -0.98 | 0.25   | 0.26   | 0.44    | 4000000 | 2250000  |
| 43.303930780 | 6.667826705  | -0.09 | -0.21 | -1.08 | 0.23   | 0.23   | 0.40    | 4050000 | 2250000  |
| 43.322096750 | 7.282116246  | -0.08 | -0.25 | -1.15 | 0.31   | 0.31   | 0.52    | 4100000 | 2250000  |
| 43.336574310 | 7.896711974  | -0.09 | -0.24 | -1.04 | 0.36   | 0.36   | 0.61    | 4150000 | 2250000  |
| 43.354454390 | 9.126545865  | 0.05  | -0.20 | -1.10 | 0.35   | 0.35   | 0.60    | 4250000 | 2250000  |
| 43.357853680 | 9.741645461  | 0.10  | -0.27 | -1.35 | 0.29   | 0.30   | 0.51    | 4300000 | 2250000  |
| 43.357558080 | 10.356774240 | 0.28  | -0.49 | -1.20 | 0.30   | 0.30   | 0.51    | 4350000 | 2250000  |
| 43.353567650 | 10.971862720 | 0.66  | -0.76 | -0.61 | 0.27   | 0.27   | 0.46    | 4400000 | 2250000  |
| 43.345883120 | 11.586841450 | 1.24  | -0.84 | -0.04 | 0.26   | 0.27   | 0.46    | 4450000 | 2250000  |
| 43.334505870 | 12.201641080 | 1.85  | -0.40 | 0.08  | 0.20   | 0.21   | 0.35    | 4500000 | 2250000  |
| 43.319437980 | 12.816192440 | 2.91  | 0.68  | 0.10  | 0.22   | 0.23   | 0.39    | 4550000 | 2250000  |
| 43.300682150 | 13.430426610 | 3.69  | 1.47  | 0.21  | 0.22   | 0.23   | 0.40    | 4600000 | 2250000  |
| 43.278241790 | 14.044274960 | 3.20  | 1.43  | -0.20 | 0.31   | 0.32   | 0.54    | 4650000 | 2250000  |
| 43.222324300 | 15.270541590 | 2.47  | 0.84  | -0.78 | 0.39   | 0.39   | 0.68    | 4750000 | 2250000  |
| 43.188857210 | 15.882824730 | 2.38  | 0.69  | -0.92 | 0.38   | 0.38   | 0.68    | 4800000 | 2250000  |
| 43.151725660 | 16.494451880 | 2.38  | 0.69  | -1.14 | 0.35   | 0.35   | 0.65    | 4850000 | 2250000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 43.110936270 | 17.105356900 | 2.42  | 0.81   | -1.60 | 0.36   | 0.36   | 0.65    | 4900000 | 2250000  |
| 43.066496270 | 17.715474330 | 2.53  | 0.84   | -2.07 | 0.31   | 0.31   | 0.57    | 4950000 | 2250000  |
| 43.018413540 | 18.324739450 | 2.18  | 0.61   | -1.99 | 0.33   | 0.33   | 0.57    | 5000000 | 2250000  |
| 42.966696520 | 18.933088330 | 1.35  | 0.29   | -1.50 | 0.36   | 0.36   | 0.62    | 5050000 | 2250000  |
| 42.911354300 | 19.540457900 | 0.54  | 0.19   | -1.02 | 0.34   | 0.34   | 0.60    | 5100000 | 2250000  |
| 42.852396500 | 20.146786000 | -0.22 | 0.51   | -0.83 | 0.30   | 0.30   | 0.55    | 5150000 | 2250000  |
| 42.789833360 | 20.752011400 | -1.09 | 0.73   | -0.91 | 0.28   | 0.29   | 0.52    | 5200000 | 2250000  |
| 42.723675660 | 21.356073920 | -1.83 | 0.58   | -0.92 | 0.29   | 0.30   | 0.52    | 5250000 | 2250000  |
| 42.653934720 | 21.958914400 | -2.25 | 0.42   | -1.03 | 0.28   | 0.28   | 0.48    | 5300000 | 2250000  |
| 42.580622430 | 22.560474780 | -2.46 | 0.45   | -1.18 | 0.25   | 0.25   | 0.42    | 5350000 | 2250000  |
| 42.503751150 | 23.160698170 | -2.43 | 0.43   | -0.93 | 0.22   | 0.22   | 0.38    | 5400000 | 2250000  |
| 42.423333810 | 23.759528840 | -2.27 | 0.28   | -0.48 | 0.25   | 0.25   | 0.42    | 5450000 | 2250000  |
| 42.339383780 | 24.356912270 | -2.04 | 0.37   | -0.39 | 0.24   | 0.24   | 0.42    | 5500000 | 2250000  |
| 42.251914950 | 24.952795250 | -1.67 | 0.48   | -0.49 | 0.24   | 0.24   | 0.43    | 5550000 | 2250000  |
| 42.160941640 | 25.547125810 | -1.16 | 0.09   | -0.46 | 0.26   | 0.26   | 0.45    | 5600000 | 2250000  |
| 42.066478630 | 26.139853340 | -0.89 | 0.03   | -0.45 | 0.27   | 0.28   | 0.47    | 5650000 | 2250000  |
| 41.968541150 | 26.730928560 | -1.00 | 0.51   | -0.53 | 0.30   | 0.30   | 0.52    | 5700000 | 2250000  |
| 41.867144810 | 27.320303600 | -1.12 | 0.85   | -0.55 | 0.26   | 0.26   | 0.48    | 5750000 | 2250000  |
| 41.762305650 | 27.907931970 | -1.46 | -0.52  | -0.54 | 0.27   | 0.27   | 0.53    | 5800000 | 2250000  |
| 41.654040070 | 28.493768640 | -1.41 | -0.80  | -0.58 | 0.34   | 0.34   | 0.62    | 5850000 | 2250000  |
| 41.542364850 | 29.077769990 | -1.33 | -1.05  | -0.65 | 0.35   | 0.35   | 0.63    | 5900000 | 2250000  |
| 41.427297110 | 29.659893910 | -1.23 | -2.09  | -0.79 | 0.37   | 0.37   | 0.64    | 5950000 | 2250000  |
| 41.308854290 | 30.240099730 | -1.19 | -2.62  | -0.91 | 0.37   | 0.37   | 0.64    | 6000000 | 2250000  |
| 41.187054170 | 30.818348320 | -1.09 | -3.03  | -0.86 | 0.37   | 0.37   | 0.66    | 6050000 | 2250000  |
| 41.061914800 | 31.394602020 | -0.64 | -2.60  | -0.61 | 0.39   | 0.39   | 0.67    | 6100000 | 2250000  |
| 40.933454510 | 31.968824700 | -0.15 | -2.08  | -0.46 | 0.38   | 0.38   | 0.63    | 6150000 | 2250000  |
| 40.801691910 | 32.540981760 | -1.57 | -21.07 | -0.47 | 0.35   | 0.36   | 0.55    | 6200000 | 2250000  |
| 40.666645840 | 33.111040120 | -0.45 | -20.39 | -0.37 | 0.33   | 0.33   | 0.54    | 6250000 | 2250000  |
| 40.528335360 | 33.678968210 | 0.88  | -19.47 | -0.09 | 0.21   | 0.22   | 0.38    | 6300000 | 2250000  |
| 40.386779750 | 34.244736020 | 2.11  | -19.66 | -0.29 | 0.29   | 0.30   | 0.51    | 6350000 | 2250000  |
| 40.241998460 | 34.808315050 | 3.27  | -19.35 | -0.54 | 0.30   | 0.30   | 0.54    | 6400000 | 2250000  |
| 40.094011150 | 35.369678320 | 4.58  | -19.57 | -0.71 | 0.34   | 0.34   | 0.58    | 6450000 | 2250000  |
| 39.942837600 | 35.928800380 | 5.71  | -19.58 | -0.62 | 0.31   | 0.31   | 0.54    | 6500000 | 2250000  |
| 39.788497760 | 36.485657280 | 6.42  | -19.07 | -0.37 | 0.31   | 0.32   | 0.53    | 6550000 | 2250000  |
| 39.631011680 | 37.040226580 | 7.15  | -18.63 | -0.16 | 0.23   | 0.24   | 0.44    | 6600000 | 2250000  |
| 39.470399520 | 37.592487340 | 8.21  | -17.39 | -0.63 | 0.33   | 0.34   | 0.60    | 6650000 | 2250000  |
| 39.306681560 | 38.142420080 | 9.17  | -16.41 | -1.09 | 0.26   | 0.28   | 0.55    | 6700000 | 2250000  |
| 39.139878110 | 38.690006810 | 9.75  | -16.01 | -1.43 | 0.28   | 0.28   | 0.54    | 6750000 | 2250000  |
| 38.970009580 | 39.235230980 | 9.82  | -15.42 | -1.41 | 0.29   | 0.29   | 0.56    | 6800000 | 2250000  |
| 38.797096400 | 39.778077480 | 10.96 | -15.55 | -0.84 | 0.31   | 0.31   | 0.61    | 6850000 | 2250000  |
| 38.621159030 | 40.318532620 | 12.68 | -8.70  | -0.12 | 0.34   | 0.35   | 0.62    | 6900000 | 2250000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 38.442217950 | 40.856584110  | 13.40 | -8.02 | 0.19  | 0.37   | 0.37   | 0.66    | 6950000 | 2250000  |
| 38.260293650 | 41.392221070  | 13.85 | -7.05 | 0.26  | 0.36   | 0.36   | 0.66    | 7000000 | 2250000  |
| 38.075406580 | 41.925433940  | 14.18 | -6.16 | 0.14  | 0.34   | 0.31   | 0.66    | 7050000 | 2250000  |
| 37.887577180 | 42.456214530  | 14.87 | -5.43 | -0.01 | 0.39   | 0.36   | 0.70    | 7100000 | 2250000  |
| 37.696825840 | 42.984555970  | 15.65 | -5.00 | -0.14 | 0.42   | 0.36   | 0.70    | 7150000 | 2250000  |
| 37.503172900 | 43.510452690  | 16.21 | -5.07 | -0.16 | 0.44   | 0.38   | 0.70    | 7200000 | 2250000  |
| 37.306638630 | 44.033900380  | 16.14 | -5.10 | -0.15 | 0.45   | 0.38   | 0.71    | 7250000 | 2250000  |
| 37.107243220 | 44.554896010  | 15.88 | -5.01 | -0.17 | 0.45   | 0.36   | 0.73    | 7300000 | 2250000  |
| 36.905006760 | 45.073437750  | 16.63 | -4.95 | -0.33 | 0.52   | 0.42   | 0.80    | 7350000 | 2250000  |
| 36.699949230 | 45.589525000  | 17.30 | -4.81 | -0.45 | 0.57   | 0.45   | 0.84    | 7400000 | 2250000  |
| 36.332679160 | -25.284421370 | -0.29 | -1.98 | -1.54 | 0.40   | 0.41   | 0.73    | 1250000 | 2200000  |
| 36.535906680 | -24.769930350 | -0.33 | -2.23 | -1.58 | 0.38   | 0.39   | 0.69    | 1300000 | 2200000  |
| 41.010814210 | -9.426266659  | -0.05 | -0.57 | -1.14 | 0.38   | 0.38   | 0.68    | 2700000 | 2200000  |
| 41.124406080 | -8.847552893  | -0.04 | -0.76 | -1.20 | 0.28   | 0.28   | 0.50    | 2750000 | 2200000  |
| 41.234626010 | -8.267021931  | 0.02  | -0.78 | -1.16 | 0.27   | 0.28   | 0.47    | 2800000 | 2200000  |
| 41.341457430 | -7.684715176  | 0.13  | -0.67 | -1.07 | 0.28   | 0.28   | 0.47    | 2850000 | 2200000  |
| 41.444884120 | -7.100675438  | 0.24  | -0.65 | -1.20 | 0.24   | 0.25   | 0.41    | 2900000 | 2200000  |
| 41.544890240 | -6.514946913  | 0.26  | -0.67 | -1.31 | 0.25   | 0.25   | 0.41    | 2950000 | 2200000  |
| 41.641460290 | -5.927575165  | 0.12  | -0.60 | -1.09 | 0.27   | 0.27   | 0.44    | 3000000 | 2200000  |
| 41.734579180 | -5.338607101  | 0.08  | -0.47 | -1.00 | 0.25   | 0.25   | 0.41    | 3050000 | 2200000  |
| 41.824232240 | -4.748090949  | 0.10  | -0.40 | -1.26 | 0.22   | 0.22   | 0.37    | 3100000 | 2200000  |
| 41.910405200 | -4.156076230  | 0.10  | -0.45 | -1.39 | 0.29   | 0.29   | 0.47    | 3150000 | 2200000  |
| 41.993084240 | -3.562613728  | 0.03  | -0.46 | -1.30 | 0.30   | 0.30   | 0.50    | 3200000 | 2200000  |
| 42.072255980 | -2.967755461  | -0.13 | -0.44 | -1.08 | 0.26   | 0.26   | 0.43    | 3250000 | 2200000  |
| 42.147907540 | -2.371554646  | -0.27 | -0.41 | -0.79 | 0.24   | 0.24   | 0.39    | 3300000 | 2200000  |
| 42.220026480 | -1.774065661  | -0.33 | -0.33 | -0.70 | 0.23   | 0.23   | 0.37    | 3350000 | 2200000  |
| 42.288600900 | -1.175344014  | -0.31 | -0.18 | -0.66 | 0.23   | 0.23   | 0.38    | 3400000 | 2200000  |
| 42.353619360 | -0.575446294  | -0.33 | -0.01 | -0.61 | 0.23   | 0.23   | 0.40    | 3450000 | 2200000  |
| 42.415070990 | 0.025569865   | -0.35 | 0.00  | -0.56 | 0.25   | 0.25   | 0.42    | 3500000 | 2200000  |
| 42.472945440 | 0.627645827   | -0.33 | -0.11 | -0.52 | 0.28   | 0.28   | 0.48    | 3550000 | 2200000  |
| 42.527232880 | 1.230722007   | -0.32 | -0.13 | -0.51 | 0.26   | 0.26   | 0.44    | 3600000 | 2200000  |
| 42.577924070 | 1.834737912   | -0.25 | -0.06 | -0.53 | 0.23   | 0.23   | 0.40    | 3650000 | 2200000  |
| 42.625010330 | 2.439632192   | -0.11 | 0.06  | -0.46 | 0.20   | 0.20   | 0.36    | 3700000 | 2200000  |
| 42.668483570 | 3.045342696   | -0.12 | -0.03 | -0.62 | 0.24   | 0.24   | 0.43    | 3750000 | 2200000  |
| 42.708336260 | 3.651806518   | -0.14 | -0.12 | -0.97 | 0.34   | 0.34   | 0.57    | 3800000 | 2200000  |
| 42.777152970 | 4.866739075   | -0.08 | -0.20 | -1.36 | 0.37   | 0.37   | 0.64    | 3900000 | 2200000  |
| 42.806104990 | 5.475078743   | -0.17 | -0.20 | -1.23 | 0.34   | 0.34   | 0.60    | 3950000 | 2200000  |
| 42.831412480 | 6.083913712   | -0.34 | -0.23 | -1.02 | 0.28   | 0.29   | 0.51    | 4000000 | 2200000  |
| 42.853071000 | 6.693178166   | -0.21 | -0.24 | -1.07 | 0.32   | 0.32   | 0.56    | 4050000 | 2200000  |
| 42.871076730 | 7.302805888   | -0.09 | -0.25 | -1.15 | 0.37   | 0.38   | 0.65    | 4100000 | 2200000  |
| 42.896117760 | 8.522884600   | 0.07  | -0.30 | -1.09 | 0.34   | 0.35   | 0.59    | 4200000 | 2200000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 42.903148640 | 9.133201688  | 0.15  | -0.28  | -1.01 | 0.28   | 0.28   | 0.48    | 4250000 | 2200000  |
| 42.906517880 | 9.743614362  | 0.16  | -0.44  | -1.14 | 0.26   | 0.26   | 0.44    | 4300000 | 2200000  |
| 42.906224900 | 10.354055320 | 0.19  | -0.86  | -1.22 | 0.25   | 0.26   | 0.44    | 4350000 | 2200000  |
| 42.902269730 | 10.964457220 | 0.47  | -1.32  | -0.75 | 0.21   | 0.22   | 0.38    | 4400000 | 2200000  |
| 42.894653090 | 11.574752770 | 0.89  | -1.54  | -0.28 | 0.23   | 0.24   | 0.41    | 4450000 | 2200000  |
| 42.883376320 | 12.184874780 | 1.21  | -1.44  | -0.47 | 0.22   | 0.23   | 0.39    | 4500000 | 2200000  |
| 42.868441410 | 12.794756220 | 1.94  | -0.50  | -0.55 | 0.25   | 0.25   | 0.43    | 4550000 | 2200000  |
| 42.849851010 | 13.404330280 | 2.97  | 0.93   | -0.32 | 0.23   | 0.24   | 0.41    | 4600000 | 2200000  |
| 42.827608380 | 14.013530460 | 3.00  | 1.58   | -0.44 | 0.23   | 0.25   | 0.43    | 4650000 | 2200000  |
| 42.801717460 | 14.622290590 | 2.76  | 1.34   | -0.59 | 0.34   | 0.35   | 0.59    | 4700000 | 2200000  |
| 42.772182770 | 15.230544930 | 2.59  | 1.01   | -0.71 | 0.38   | 0.39   | 0.67    | 4750000 | 2200000  |
| 42.739009490 | 15.838228220 | 2.49  | 0.79   | -0.87 | 0.39   | 0.39   | 0.69    | 4800000 | 2200000  |
| 42.702203420 | 16.445275700 | 2.45  | 0.70   | -1.11 | 0.39   | 0.39   | 0.70    | 4850000 | 2200000  |
| 42.661770960 | 17.051623250 | 2.51  | 0.70   | -1.47 | 0.39   | 0.39   | 0.68    | 4900000 | 2200000  |
| 42.617719120 | 17.657207370 | 2.77  | 0.73   | -1.91 | 0.33   | 0.33   | 0.56    | 4950000 | 2200000  |
| 42.570055510 | 18.261965260 | 2.76  | 0.61   | -2.03 | 0.24   | 0.25   | 0.42    | 5000000 | 2200000  |
| 42.518788320 | 18.865834910 | 1.58  | 0.18   | -1.36 | 0.35   | 0.36   | 0.61    | 5050000 | 2200000  |
| 42.463926320 | 19.468755100 | 0.61  | -0.02  | -0.76 | 0.33   | 0.33   | 0.59    | 5100000 | 2200000  |
| 42.405478860 | 20.070665470 | -0.34 | 0.27   | -0.41 | 0.20   | 0.23   | 0.47    | 5150000 | 2200000  |
| 42.343455820 | 20.671506600 | -1.42 | 0.80   | -0.75 | 0.27   | 0.28   | 0.52    | 5200000 | 2200000  |
| 42.277867660 | 21.271219990 | -2.13 | 1.07   | -0.85 | 0.27   | 0.28   | 0.50    | 5250000 | 2200000  |
| 42.208725340 | 21.869748190 | -2.58 | 0.92   | -0.76 | 0.26   | 0.26   | 0.45    | 5300000 | 2200000  |
| 42.136040360 | 22.467034770 | -3.00 | 0.46   | -0.56 | 0.24   | 0.24   | 0.42    | 5350000 | 2200000  |
| 42.059824730 | 23.063024400 | -3.15 | 0.27   | -0.34 | 0.24   | 0.24   | 0.41    | 5400000 | 2200000  |
| 41.980090940 | 23.657662890 | -2.93 | 0.45   | -0.20 | 0.24   | 0.24   | 0.40    | 5450000 | 2200000  |
| 41.896851960 | 24.250897210 | -2.64 | 0.41   | -0.28 | 0.28   | 0.28   | 0.46    | 5500000 | 2200000  |
| 41.810121250 | 24.842675540 | -2.34 | 0.06   | -0.42 | 0.25   | 0.25   | 0.43    | 5550000 | 2200000  |
| 41.719912690 | 25.432947290 | -1.93 | -0.22  | -0.53 | 0.23   | 0.23   | 0.40    | 5600000 | 2200000  |
| 41.626240610 | 26.021663150 | -1.46 | -0.15  | -0.62 | 0.24   | 0.25   | 0.42    | 5650000 | 2200000  |
| 41.529119770 | 26.608775100 | -1.68 | 0.08   | -0.71 | 0.23   | 0.24   | 0.44    | 5700000 | 2200000  |
| 41.428565310 | 27.194236450 | -1.81 | 0.05   | -0.67 | 0.29   | 0.29   | 0.50    | 5750000 | 2200000  |
| 41.324592780 | 27.778001840 | -1.85 | -0.74  | -0.62 | 0.24   | 0.24   | 0.47    | 5800000 | 2200000  |
| 41.217218100 | 28.360027310 | -1.57 | -0.91  | -0.63 | 0.31   | 0.31   | 0.54    | 5850000 | 2200000  |
| 41.106457540 | 28.940270270 | -1.56 | -0.94  | -0.59 | 0.15   | 0.15   | 0.34    | 5900000 | 2200000  |
| 40.992327720 | 29.518689530 | -1.32 | -4.64  | -0.80 | 0.26   | 0.26   | 0.45    | 5950000 | 2200000  |
| 40.874845560 | 30.095245360 | -1.54 | -3.48  | -1.05 | 0.21   | 0.21   | 0.41    | 6000000 | 2200000  |
| 40.754028320 | 30.669899410 | -1.59 | -4.47  | -0.91 | 0.26   | 0.26   | 0.52    | 6050000 | 2200000  |
| 40.629893530 | 31.242614840 | -2.54 | -21.88 | -0.34 | 0.37   | 0.37   | 0.60    | 6100000 | 2200000  |
| 40.502458980 | 31.813356210 | -2.45 | -21.84 | -0.19 | 0.35   | 0.35   | 0.60    | 6150000 | 2200000  |
| 40.371742760 | 32.382089580 | -2.48 | -21.58 | -0.52 | 0.28   | 0.29   | 0.53    | 6200000 | 2200000  |
| 40.237763160 | 32.948782470 | -1.15 | -21.30 | -0.76 | 0.31   | 0.31   | 0.53    | 6250000 | 2200000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 40.100538700 | 33.513403860 | 0.58  | -20.65 | -0.63 | 0.31   | 0.31   | 0.52    | 6300000 | 2200000  |
| 39.960088110 | 34.075924210 | 1.88  | -20.19 | -0.51 | 0.30   | 0.31   | 0.53    | 6350000 | 2200000  |
| 39.816430330 | 34.636315460 | 3.10  | -19.91 | -0.68 | 0.28   | 0.28   | 0.52    | 6400000 | 2200000  |
| 39.669584440 | 35.194551000 | 4.39  | -19.51 | -0.89 | 0.32   | 0.32   | 0.57    | 6450000 | 2200000  |
| 39.519569690 | 35.750605700 | 5.53  | -19.38 | -0.85 | 0.27   | 0.27   | 0.49    | 6500000 | 2200000  |
| 39.366405490 | 36.304455880 | 6.27  | -18.78 | -0.70 | 0.32   | 0.32   | 0.53    | 6550000 | 2200000  |
| 39.210111330 | 36.856079320 | 7.12  | -17.77 | -0.70 | 0.35   | 0.35   | 0.60    | 6600000 | 2200000  |
| 39.050706850 | 37.405455240 | 8.10  | -16.78 | -0.98 | 0.34   | 0.34   | 0.62    | 6650000 | 2200000  |
| 38.888211770 | 37.952564280 | 9.07  | -15.87 | -1.27 | 0.33   | 0.34   | 0.61    | 6700000 | 2200000  |
| 38.722645880 | 38.497388510 | 9.87  | -15.31 | -1.37 | 0.31   | 0.32   | 0.59    | 6750000 | 2200000  |
| 38.554029030 | 39.039911420 | 10.61 | -15.12 | -1.06 | 0.31   | 0.32   | 0.62    | 6800000 | 2200000  |
| 38.382381140 | 39.580117860 | 12.89 | -8.26  | -0.35 | 0.29   | 0.28   | 0.58    | 6850000 | 2200000  |
| 38.207722150 | 40.117994090 | 13.64 | -8.11  | 0.17  | 0.30   | 0.30   | 0.58    | 6900000 | 2200000  |
| 38.030071990 | 40.653527710 | 13.84 | -7.51  | 0.49  | 0.33   | 0.34   | 0.62    | 6950000 | 2200000  |
| 37.849450650 | 41.186707680 | 14.02 | -6.81  | 0.67  | 0.25   | 0.24   | 0.57    | 7000000 | 2200000  |
| 37.665878060 | 41.717524250 | 14.31 | -6.21  | 0.54  | 0.34   | 0.32   | 0.64    | 7050000 | 2200000  |
| 37.479374150 | 42.245969030 | 14.82 | -5.65  | 0.23  | 0.40   | 0.38   | 0.72    | 7100000 | 2200000  |
| 37.289958820 | 42.772034870 | 15.38 | -5.28  | 0.00  | 0.44   | 0.41   | 0.76    | 7150000 | 2200000  |
| 37.097651900 | 43.295715890 | 15.79 | -5.12  | -0.12 | 0.46   | 0.42   | 0.78    | 7200000 | 2200000  |
| 36.902473170 | 43.817007490 | 15.97 | -5.01  | -0.19 | 0.48   | 0.42   | 0.79    | 7250000 | 2200000  |
| 36.704442330 | 44.335906240 | 16.17 | -4.87  | -0.26 | 0.50   | 0.43   | 0.80    | 7300000 | 2200000  |
| 36.503579020 | 44.852409940 | 16.66 | -4.72  | -0.37 | 0.53   | 0.45   | 0.83    | 7350000 | 2200000  |
| 40.575196640 | -9.288304339 | -0.07 | -0.64  | -1.16 | 0.36   | 0.36   | 0.64    | 2700000 | 2150000  |
| 40.687872060 | -8.713243956 | -0.10 | -0.83  | -1.19 | 0.22   | 0.22   | 0.43    | 2750000 | 2150000  |
| 40.797198520 | -8.136418187 | 0.05  | -0.85  | -1.02 | 0.25   | 0.25   | 0.44    | 2800000 | 2150000  |
| 40.903159960 | -7.557867493 | 0.15  | -0.75  | -0.90 | 0.27   | 0.27   | 0.45    | 2850000 | 2150000  |
| 41.005740630 | -6.977633681 | 0.15  | -0.68  | -1.08 | 0.25   | 0.25   | 0.42    | 2900000 | 2150000  |
| 41.104925170 | -6.395759892 | 0.07  | -0.63  | -1.25 | 0.26   | 0.26   | 0.42    | 2950000 | 2150000  |
| 41.200698540 | -5.812290576 | -0.01 | -0.56  | -0.99 | 0.28   | 0.28   | 0.46    | 3000000 | 2150000  |
| 41.293046120 | -5.227271470 | -0.13 | -0.52  | -0.68 | 0.24   | 0.24   | 0.39    | 3050000 | 2150000  |
| 41.381953670 | -4.640749577 | -0.16 | -0.54  | -0.76 | 0.25   | 0.25   | 0.41    | 3100000 | 2150000  |
| 41.467407350 | -4.052773140 | -0.17 | -0.56  | -1.01 | 0.27   | 0.27   | 0.44    | 3150000 | 2150000  |
| 41.549393780 | -3.463391609 | -0.21 | -0.53  | -1.04 | 0.27   | 0.27   | 0.45    | 3200000 | 2150000  |
| 41.627899990 | -2.872655615 | -0.29 | -0.46  | -1.04 | 0.27   | 0.27   | 0.44    | 3250000 | 2150000  |
| 41.702913480 | -2.280616938 | -0.41 | -0.39  | -1.02 | 0.27   | 0.27   | 0.44    | 3300000 | 2150000  |
| 41.774422220 | -1.687328468 | -0.48 | -0.32  | -1.09 | 0.24   | 0.24   | 0.40    | 3350000 | 2150000  |
| 41.842414650 | -1.092844174 | -0.39 | -0.20  | -1.06 | 0.25   | 0.25   | 0.42    | 3400000 | 2150000  |
| 41.906879730 | -0.497219059 | -0.29 | -0.11  | -0.89 | 0.26   | 0.26   | 0.43    | 3450000 | 2150000  |
| 41.967806900 | 0.099490874  | -0.29 | -0.17  | -0.73 | 0.23   | 0.24   | 0.40    | 3500000 | 2150000  |
| 42.025186130 | 0.697228667  | -0.34 | -0.32  | -0.67 | 0.25   | 0.25   | 0.42    | 3550000 | 2150000  |
| 42.079007930 | 1.295936452  | -0.32 | -0.34  | -0.66 | 0.27   | 0.27   | 0.46    | 3600000 | 2150000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 42.129263330 | 1.895555498  | -0.19 | -0.17  | -0.64 | 0.25   | 0.26   | 0.43    | 3650000 | 2150000  |
| 42.175943940 | 2.496026254  | -0.04 | 0.04   | -0.56 | 0.19   | 0.19   | 0.33    | 3700000 | 2150000  |
| 42.219041900 | 3.097288403  | -0.22 | -0.07  | -0.67 | 0.23   | 0.23   | 0.39    | 3750000 | 2150000  |
| 42.258549960 | 3.699280909  | -0.22 | -0.14  | -0.89 | 0.34   | 0.34   | 0.58    | 3800000 | 2150000  |
| 42.434101500 | 7.928425689  | 0.03  | -0.32  | -1.27 | 0.37   | 0.37   | 0.64    | 4150000 | 2150000  |
| 42.444699490 | 8.533995565  | 0.12  | -0.43  | -1.34 | 0.24   | 0.24   | 0.42    | 4200000 | 2150000  |
| 42.451669010 | 9.139723229  | 0.09  | -0.38  | -1.21 | 0.23   | 0.23   | 0.39    | 4250000 | 2150000  |
| 42.455008840 | 9.745543536  | 0.04  | -0.52  | -1.21 | 0.27   | 0.27   | 0.45    | 4300000 | 2150000  |
| 42.454718410 | 10.351391250 | 0.12  | -0.90  | -1.14 | 0.31   | 0.31   | 0.52    | 4350000 | 2150000  |
| 42.450797780 | 10.957201120 | 0.35  | -1.39  | -0.70 | 0.24   | 0.24   | 0.41    | 4400000 | 2150000  |
| 42.443247610 | 11.562907910 | 0.52  | -1.63  | -0.33 | 0.24   | 0.25   | 0.42    | 4450000 | 2150000  |
| 42.432069210 | 12.168446500 | 0.52  | -1.73  | -0.41 | 0.25   | 0.26   | 0.43    | 4500000 | 2150000  |
| 42.417264520 | 12.773751930 | 0.94  | -1.48  | -0.54 | 0.23   | 0.24   | 0.41    | 4550000 | 2150000  |
| 42.398836080 | 13.378759430 | 2.27  | -0.41  | -0.40 | 0.16   | 0.18   | 0.32    | 4600000 | 2150000  |
| 42.376787060 | 13.983404530 | 2.92  | 1.08   | -0.44 | 0.24   | 0.24   | 0.41    | 4650000 | 2150000  |
| 42.351121270 | 14.587623090 | 3.00  | 1.37   | -0.55 | 0.27   | 0.28   | 0.47    | 4700000 | 2150000  |
| 42.321843090 | 15.191351380 | 2.97  | 1.10   | -0.59 | 0.34   | 0.34   | 0.58    | 4750000 | 2150000  |
| 42.288957530 | 15.794526080 | 2.90  | 0.84   | -0.76 | 0.35   | 0.35   | 0.61    | 4800000 | 2150000  |
| 42.252470200 | 16.397084440 | 2.76  | 0.72   | -0.95 | 0.38   | 0.38   | 0.66    | 4850000 | 2150000  |
| 42.168715600 | 17.600103820 | 2.58  | 0.56   | -1.44 | 0.38   | 0.38   | 0.66    | 4950000 | 2150000  |
| 42.121462480 | 18.200442340 | 2.31  | 0.34   | -1.47 | 0.37   | 0.37   | 0.63    | 5000000 | 2150000  |
| 42.070635880 | 18.799919570 | 1.62  | -0.05  | -1.12 | 0.36   | 0.37   | 0.63    | 5050000 | 2150000  |
| 42.016244270 | 19.398476080 | 0.71  | -0.53  | -0.54 | 0.25   | 0.27   | 0.51    | 5100000 | 2150000  |
| 41.958296720 | 19.996053280 | -0.61 | -0.33  | -0.28 | 0.26   | 0.27   | 0.51    | 5150000 | 2150000  |
| 41.896802800 | 20.592593440 | -1.93 | 0.60   | -0.37 | 0.26   | 0.27   | 0.51    | 5200000 | 2150000  |
| 41.831772620 | 21.188039770 | -2.49 | 1.54   | -0.55 | 0.26   | 0.27   | 0.48    | 5250000 | 2150000  |
| 41.763216820 | 21.782336400 | -2.77 | 1.62   | -0.52 | 0.24   | 0.24   | 0.43    | 5300000 | 2150000  |
| 41.691146530 | 22.375428500 | -3.49 | 0.70   | -0.46 | 0.26   | 0.26   | 0.45    | 5350000 | 2150000  |
| 41.615573380 | 22.967262270 | -4.09 | 0.32   | -0.39 | 0.25   | 0.25   | 0.42    | 5400000 | 2150000  |
| 41.536509490 | 23.557785000 | -4.04 | 0.57   | -0.35 | 0.24   | 0.24   | 0.42    | 5450000 | 2150000  |
| 41.453967420 | 24.146945090 | -3.67 | 0.33   | -0.39 | 0.30   | 0.30   | 0.50    | 5500000 | 2150000  |
| 41.367960200 | 24.734692090 | -3.32 | -0.17  | -0.56 | 0.26   | 0.26   | 0.44    | 5550000 | 2150000  |
| 41.278501310 | 25.320976750 | -2.91 | -0.27  | -0.87 | 0.23   | 0.23   | 0.42    | 5600000 | 2150000  |
| 41.185604640 | 25.905751020 | -2.02 | -0.50  | -0.95 | 0.28   | 0.28   | 0.48    | 5650000 | 2150000  |
| 41.089284490 | 26.488968090 | -2.09 | -1.28  | -0.88 | 0.26   | 0.26   | 0.48    | 5700000 | 2150000  |
| 40.989555550 | 27.070582430 | -2.69 | -1.57  | -0.79 | 0.22   | 0.21   | 0.45    | 5750000 | 2150000  |
| 40.886432910 | 27.650549810 | -2.31 | -0.75  | -0.83 | 0.26   | 0.26   | 0.44    | 5800000 | 2150000  |
| 40.779932000 | 28.228827290 | -4.81 | -18.50 | -0.92 | 0.35   | 0.34   | 0.52    | 5850000 | 2150000  |
| 40.670068620 | 28.805373280 | -3.36 | -18.22 | -0.95 | 0.27   | 0.26   | 0.42    | 5900000 | 2150000  |
| 40.556858890 | 29.380147540 | -2.43 | -19.47 | -1.06 | 0.15   | 0.13   | 0.39    | 5950000 | 2150000  |
| 40.440319240 | 29.953111190 | -3.32 | -21.64 | -1.06 | 0.33   | 0.32   | 0.50    | 6000000 | 2150000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 40.320466420 | 30.524226730 | -3.25 | -22.28 | -0.62 | 0.36   | 0.35   | 0.56    | 6050000 | 2150000  |
| 40.197317450 | 31.093458050 | -2.85 | -22.52 | 0.14  | 0.29   | 0.28   | 0.49    | 6100000 | 2150000  |
| 40.070889630 | 31.660770450 | -2.81 | -22.56 | 0.18  | 0.29   | 0.29   | 0.48    | 6150000 | 2150000  |
| 39.941200500 | 32.226130630 | -2.44 | -22.16 | -0.67 | 0.33   | 0.33   | 0.55    | 6200000 | 2150000  |
| 39.808267840 | 32.789506710 | -1.60 | -22.25 | -1.38 | 0.19   | 0.19   | 0.36    | 6250000 | 2150000  |
| 39.672109660 | 33.350868200 | 0.29  | -20.95 | -1.13 | 0.31   | 0.31   | 0.52    | 6300000 | 2150000  |
| 39.532744170 | 33.910186070 | 1.61  | -20.02 | -0.94 | 0.32   | 0.33   | 0.55    | 6350000 | 2150000  |
| 39.390189750 | 34.467432670 | 2.83  | -19.41 | -0.97 | 0.32   | 0.32   | 0.54    | 6400000 | 2150000  |
| 39.244464970 | 35.022581790 | 4.18  | -18.82 | -1.19 | 0.33   | 0.32   | 0.57    | 6450000 | 2150000  |
| 39.095588560 | 35.575608620 | 5.17  | -18.24 | -1.22 | 0.32   | 0.31   | 0.56    | 6500000 | 2150000  |
| 38.943579380 | 36.126489770 | 5.99  | -17.62 | -1.05 | 0.33   | 0.33   | 0.57    | 6550000 | 2150000  |
| 38.788456410 | 36.675203240 | 6.95  | -16.65 | -1.03 | 0.35   | 0.36   | 0.62    | 6600000 | 2150000  |
| 38.630238770 | 37.221728440 | 8.00  | -15.92 | -1.22 | 0.28   | 0.29   | 0.56    | 6650000 | 2150000  |
| 38.468945630 | 37.766046140 | 9.06  | -15.09 | -1.26 | 0.32   | 0.34   | 0.59    | 6700000 | 2150000  |
| 38.304596270 | 38.308138500 | 10.10 | -14.59 | -1.18 | 0.27   | 0.31   | 0.59    | 6750000 | 2150000  |
| 38.137210030 | 38.847989050 | 10.97 | -14.49 | -0.78 | 0.34   | 0.35   | 0.64    | 6800000 | 2150000  |
| 37.966806300 | 39.385582650 | 13.09 | -7.81  | 0.02  | 0.32   | 0.31   | 0.58    | 6850000 | 2150000  |
| 37.793404490 | 39.920905500 | 13.87 | -7.57  | 0.59  | 0.31   | 0.31   | 0.57    | 6900000 | 2150000  |
| 37.617024060 | 40.453945140 | 14.01 | -7.04  | 0.95  | 0.32   | 0.32   | 0.58    | 6950000 | 2150000  |
| 37.437684460 | 40.984690390 | 14.05 | -6.49  | 1.13  | 0.29   | 0.28   | 0.55    | 7000000 | 2150000  |
| 37.255405140 | 41.513131360 | 14.39 | -6.07  | 0.88  | 0.32   | 0.32   | 0.62    | 7050000 | 2150000  |
| 37.070205530 | 42.039259430 | 14.78 | -5.64  | 0.39  | 0.42   | 0.41   | 0.75    | 7100000 | 2150000  |
| 36.882105030 | 42.563067250 | 15.21 | -5.30  | 0.07  | 0.45   | 0.43   | 0.80    | 7150000 | 2150000  |
| 36.691122990 | 43.084548670 | 15.60 | -5.06  | -0.12 | 0.47   | 0.44   | 0.82    | 7200000 | 2150000  |
| 40.023997150 | -9.722641248 | -0.09 | -0.56  | -1.07 | 0.39   | 0.40   | 0.71    | 2650000 | 2100000  |
| 40.139083840 | -9.152928923 | -0.03 | -0.73  | -1.17 | 0.33   | 0.34   | 0.59    | 2700000 | 2100000  |
| 40.250860140 | -8.581463080 | 0.06  | -0.93  | -1.25 | 0.23   | 0.23   | 0.41    | 2750000 | 2100000  |
| 40.359310140 | -8.008281944 | 0.19  | -0.90  | -0.99 | 0.26   | 0.26   | 0.45    | 2800000 | 2100000  |
| 40.464418240 | -7.433425051 | 0.28  | -0.76  | -0.75 | 0.25   | 0.25   | 0.44    | 2850000 | 2100000  |
| 40.566169170 | -6.856933230 | 0.21  | -0.65  | -0.93 | 0.22   | 0.22   | 0.38    | 2900000 | 2100000  |
| 40.664548010 | -6.278848587 | 0.07  | -0.62  | -1.14 | 0.27   | 0.27   | 0.45    | 2950000 | 2100000  |
| 40.759540190 | -5.699214484 | -0.06 | -0.57  | -1.03 | 0.26   | 0.26   | 0.43    | 3000000 | 2100000  |
| 40.851131500 | -5.118075520 | -0.13 | -0.56  | -0.60 | 0.24   | 0.24   | 0.39    | 3050000 | 2100000  |
| 40.939308160 | -4.535477505 | -0.16 | -0.64  | -0.38 | 0.27   | 0.27   | 0.44    | 3100000 | 2100000  |
| 41.024056740 | -3.951467437 | -0.23 | -0.69  | -0.46 | 0.26   | 0.26   | 0.42    | 3150000 | 2100000  |
| 41.105364260 | -3.366093471 | -0.33 | -0.66  | -0.73 | 0.24   | 0.24   | 0.39    | 3200000 | 2100000  |
| 41.183218150 | -2.779404893 | -0.38 | -0.57  | -0.98 | 0.31   | 0.31   | 0.51    | 3250000 | 2100000  |
| 41.257606300 | -2.191452087 | -0.46 | -0.49  | -1.20 | 0.25   | 0.25   | 0.42    | 3300000 | 2100000  |
| 41.328517050 | -1.602286500 | -0.50 | -0.49  | -1.38 | 0.23   | 0.23   | 0.39    | 3350000 | 2100000  |
| 41.395939200 | -1.011960611 | -0.40 | -0.42  | -1.26 | 0.25   | 0.25   | 0.41    | 3400000 | 2100000  |
| 41.459862040 | -0.420527889 | -0.28 | -0.34  | -0.98 | 0.25   | 0.25   | 0.41    | 3450000 | 2100000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 41.520275350 | 0.171957241  | -0.23 | -0.40  | -0.82 | 0.23   | 0.24   | 0.39    | 3500000 | 2100000  |
| 41.577169420 | 0.765439444  | -0.26 | -0.52  | -0.79 | 0.24   | 0.24   | 0.40    | 3550000 | 2100000  |
| 41.630535040 | 1.359862512  | -0.26 | -0.54  | -0.79 | 0.22   | 0.23   | 0.39    | 3600000 | 2100000  |
| 41.680363550 | 1.955169414  | -0.18 | -0.35  | -0.79 | 0.24   | 0.25   | 0.42    | 3650000 | 2100000  |
| 41.726646790 | 2.551302336  | -0.19 | -0.14  | -0.84 | 0.25   | 0.26   | 0.42    | 3700000 | 2100000  |
| 41.769377180 | 3.148202731  | -0.26 | -0.10  | -0.86 | 0.29   | 0.29   | 0.49    | 3750000 | 2100000  |
| 41.808547680 | 3.745811369  | -0.19 | -0.12  | -0.90 | 0.38   | 0.38   | 0.66    | 3800000 | 2100000  |
| 41.982592310 | 7.943807024  | 0.04  | -0.31  | -1.34 | 0.37   | 0.37   | 0.65    | 4150000 | 2100000  |
| 41.993098960 | 8.544884131  | 0.09  | -0.40  | -1.56 | 0.26   | 0.27   | 0.46    | 4200000 | 2100000  |
| 42.000008390 | 9.146114202  | -0.04 | -0.39  | -1.67 | 0.21   | 0.22   | 0.37    | 4250000 | 2100000  |
| 42.003319420 | 9.747434080  | -0.09 | -0.50  | -1.46 | 0.30   | 0.30   | 0.51    | 4300000 | 2100000  |
| 42.003031500 | 10.348780530 | 0.02  | -0.75  | -1.16 | 0.36   | 0.36   | 0.62    | 4350000 | 2100000  |
| 41.999144670 | 10.950090290 | 0.10  | -1.06  | -0.84 | 0.35   | 0.35   | 0.60    | 4400000 | 2100000  |
| 41.991659590 | 11.551300120 | 0.04  | -1.30  | -0.60 | 0.28   | 0.29   | 0.50    | 4450000 | 2100000  |
| 41.980577530 | 12.152346910 | -0.11 | -1.40  | -0.50 | 0.23   | 0.24   | 0.41    | 4500000 | 2100000  |
| 41.965900350 | 12.753167640 | 0.28  | -1.33  | -0.25 | 0.22   | 0.23   | 0.39    | 4550000 | 2100000  |
| 41.947630520 | 13.353699560 | 1.41  | -0.85  | -0.04 | 0.25   | 0.25   | 0.43    | 4600000 | 2100000  |
| 41.925771110 | 13.953880130 | 2.51  | 0.21   | -0.05 | 0.24   | 0.25   | 0.42    | 4650000 | 2100000  |
| 41.900325790 | 14.553647180 | 3.18  | 1.05   | -0.19 | 0.23   | 0.24   | 0.41    | 4700000 | 2100000  |
| 41.871298820 | 15.152938870 | 3.53  | 1.09   | -0.26 | 0.25   | 0.26   | 0.45    | 4750000 | 2100000  |
| 41.838695050 | 15.751693830 | 3.62  | 0.85   | -0.54 | 0.19   | 0.21   | 0.37    | 4800000 | 2100000  |
| 41.802519900 | 16.349851150 | 3.34  | 0.80   | -0.65 | 0.32   | 0.32   | 0.55    | 4850000 | 2100000  |
| 41.622234020 | 18.735306060 | 1.84  | -0.13  | -1.04 | 0.37   | 0.38   | 0.67    | 5050000 | 2100000  |
| 41.568303250 | 19.329582410 | 1.21  | -0.61  | -0.89 | 0.29   | 0.31   | 0.58    | 5100000 | 2100000  |
| 41.510845470 | 19.922908830 | -0.22 | -0.75  | -0.53 | 0.25   | 0.27   | 0.52    | 5150000 | 2100000  |
| 41.449869970 | 20.515229270 | -2.15 | 0.18   | -0.28 | 0.22   | 0.24   | 0.48    | 5200000 | 2100000  |
| 41.385386540 | 21.106488530 | -2.98 | 1.48   | -0.42 | 0.26   | 0.27   | 0.50    | 5250000 | 2100000  |
| 41.317405480 | 21.696632340 | -3.47 | 1.79   | -0.60 | 0.25   | 0.26   | 0.50    | 5300000 | 2100000  |
| 41.245937580 | 22.285607380 | -4.46 | 1.02   | -0.79 | 0.28   | 0.27   | 0.47    | 5350000 | 2100000  |
| 41.170994110 | 22.873361340 | -5.50 | 0.85   | -0.94 | 0.26   | 0.22   | 0.39    | 5400000 | 2100000  |
| 41.092586810 | 23.459842940 | -5.68 | 1.13   | -0.74 | 0.25   | 0.24   | 0.46    | 5450000 | 2100000  |
| 41.010727870 | 24.045001970 | -4.97 | 0.51   | -0.54 | 0.29   | 0.29   | 0.52    | 5500000 | 2100000  |
| 40.925429920 | 24.628789310 | -3.99 | -0.09  | -0.61 | 0.22   | 0.22   | 0.42    | 5550000 | 2100000  |
| 40.836706010 | 25.211157010 | -3.02 | -0.21  | -0.90 | 0.28   | 0.28   | 0.49    | 5600000 | 2100000  |
| 40.744569610 | 25.792058240 | -1.77 | -0.39  | -1.02 | 0.25   | 0.25   | 0.49    | 5650000 | 2100000  |
| 40.649034610 | 26.371447390 | -1.82 | -1.31  | -0.82 | 0.31   | 0.31   | 0.46    | 5700000 | 2100000  |
| 40.550115240 | 26.949280070 | -7.55 | -15.68 | -0.75 | 0.32   | 0.30   | 0.49    | 5750000 | 2100000  |
| 40.447826150 | 27.525513100 | -6.62 | -17.95 | -0.94 | 0.26   | 0.24   | 0.42    | 5800000 | 2100000  |
| 40.342182310 | 28.100104580 | -5.09 | -19.67 | -1.18 | 0.27   | 0.25   | 0.44    | 5850000 | 2100000  |
| 40.233199050 | 28.673013890 | -4.13 | -20.37 | -1.40 | 0.28   | 0.26   | 0.44    | 5900000 | 2100000  |
| 40.120892010 | 29.244201710 | -4.10 | -21.98 | -1.53 | 0.25   | 0.24   | 0.42    | 5950000 | 2100000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 40.005277150 | 29.813630010  | -4.19 | -22.71 | -1.11 | 0.28   | 0.27   | 0.48    | 6000000 | 2100000  |
| 39.886370730 | 30.381262110  | -3.75 | -22.82 | -0.53 | 0.28   | 0.27   | 0.48    | 6050000 | 2100000  |
| 39.764189280 | 30.947062660  | -3.39 | -22.72 | -0.03 | 0.32   | 0.32   | 0.54    | 6100000 | 2100000  |
| 39.638749600 | 31.510997650  | -3.22 | -22.84 | -0.07 | 0.28   | 0.28   | 0.49    | 6150000 | 2100000  |
| 39.510068720 | 32.073034430  | -2.54 | -21.95 | -0.89 | 0.32   | 0.32   | 0.55    | 6200000 | 2100000  |
| 39.378163940 | 32.633141700  | -1.44 | -21.02 | -1.44 | 0.28   | 0.28   | 0.50    | 6250000 | 2100000  |
| 39.243052740 | 33.191289540  | 0.02  | -20.07 | -1.27 | 0.31   | 0.31   | 0.53    | 6300000 | 2100000  |
| 39.104752820 | 33.747449390  | 1.38  | -19.31 | -1.09 | 0.32   | 0.32   | 0.54    | 6350000 | 2100000  |
| 38.963282060 | 34.301594050  | 2.69  | -18.68 | -1.02 | 0.29   | 0.29   | 0.50    | 6400000 | 2100000  |
| 38.818658530 | 34.853697690  | 4.08  | -17.98 | -1.06 | 0.30   | 0.30   | 0.54    | 6450000 | 2100000  |
| 38.670900420 | 35.403735840  | 4.91  | -16.79 | -1.25 | 0.28   | 0.28   | 0.55    | 6500000 | 2100000  |
| 38.520026090 | 35.951685410  | 5.77  | -16.02 | -1.17 | 0.32   | 0.32   | 0.59    | 6550000 | 2100000  |
| 38.366054010 | 36.497524630  | 6.72  | -15.27 | -1.13 | 0.32   | 0.32   | 0.58    | 6600000 | 2100000  |
| 38.209002780 | 37.041233110  | 7.85  | -14.54 | -1.13 | 0.27   | 0.27   | 0.47    | 6650000 | 2100000  |
| 38.048891060 | 37.582791770  | 8.98  | -14.17 | -1.26 | 0.31   | 0.31   | 0.54    | 6700000 | 2100000  |
| 37.885737640 | 38.122182890  | 12.25 | -7.71  | -1.35 | 0.35   | 0.29   | 0.58    | 6750000 | 2100000  |
| 37.719561330 | 38.659390050  | 12.73 | -7.77  | -0.81 | 0.36   | 0.33   | 0.61    | 6800000 | 2100000  |
| 37.550381020 | 39.194398130  | 13.22 | -7.62  | 0.14  | 0.33   | 0.31   | 0.57    | 6850000 | 2100000  |
| 37.378215630 | 39.727193320  | 14.01 | -7.26  | 1.09  | 0.26   | 0.24   | 0.45    | 6900000 | 2100000  |
| 37.203084110 | 40.257763080  | 14.04 | -6.70  | 1.20  | 0.33   | 0.32   | 0.57    | 6950000 | 2100000  |
| 37.025005430 | 40.786096160  | 14.04 | -6.18  | 1.08  | 0.35   | 0.34   | 0.63    | 7000000 | 2100000  |
| 36.843998550 | 41.312182520  | 14.33 | -5.82  | 0.73  | 0.39   | 0.40   | 0.72    | 7050000 | 2100000  |
| 36.660082400 | 41.836013380  | 14.70 | -5.47  | 0.35  | 0.43   | 0.43   | 0.79    | 7100000 | 2100000  |
| 36.473275920 | 42.357581160  | 15.09 | -5.16  | 0.05  | 0.46   | 0.45   | 0.82    | 7150000 | 2100000  |
| 39.470838710 | -10.150785990 | -0.15 | -0.55  | -1.02 | 0.41   | 0.41   | 0.74    | 2600000 | 2050000  |
| 39.588294160 | -9.586301444  | -0.16 | -0.70  | -1.05 | 0.35   | 0.35   | 0.62    | 2650000 | 2050000  |
| 39.702476810 | -9.020076580  | 0.01  | -0.82  | -1.08 | 0.27   | 0.27   | 0.48    | 2700000 | 2050000  |
| 39.813370920 | -8.452147499  | 0.22  | -0.92  | -1.08 | 0.26   | 0.26   | 0.45    | 2750000 | 2050000  |
| 39.920961050 | -7.882551570  | 0.25  | -0.90  | -0.88 | 0.27   | 0.27   | 0.46    | 2800000 | 2050000  |
| 40.025232050 | -7.311327424  | 0.29  | -0.85  | -0.61 | 0.26   | 0.26   | 0.45    | 2850000 | 2050000  |
| 40.126169110 | -6.738514929  | 0.31  | -0.88  | -0.71 | 0.27   | 0.27   | 0.45    | 2900000 | 2050000  |
| 40.223757740 | -6.164155183  | 0.15  | -0.85  | -1.02 | 0.30   | 0.30   | 0.49    | 2950000 | 2050000  |
| 40.317983810 | -5.588290487  | -0.05 | -0.79  | -1.15 | 0.28   | 0.28   | 0.46    | 3000000 | 2050000  |
| 40.408833540 | -5.010964328  | -0.13 | -0.74  | -0.79 | 0.27   | 0.27   | 0.44    | 3050000 | 2050000  |
| 40.496293550 | -4.432221356  | -0.17 | -0.75  | -0.25 | 0.20   | 0.20   | 0.34    | 3100000 | 2050000  |
| 40.580350840 | -3.852107357  | -0.28 | -0.78  | -0.21 | 0.23   | 0.23   | 0.38    | 3150000 | 2050000  |
| 40.660992790 | -3.270669228  | -0.35 | -0.81  | -0.57 | 0.21   | 0.21   | 0.35    | 3200000 | 2050000  |
| 40.738207250 | -2.687954948  | -0.41 | -0.75  | -0.92 | 0.31   | 0.31   | 0.52    | 3250000 | 2050000  |
| 40.811982450 | -2.104013546  | -0.43 | -0.69  | -1.17 | 0.33   | 0.33   | 0.54    | 3300000 | 2050000  |
| 40.882307100 | -1.518895073  | -0.39 | -0.69  | -1.29 | 0.28   | 0.28   | 0.46    | 3350000 | 2050000  |
| 40.949170350 | -0.932650563  | -0.33 | -0.62  | -1.13 | 0.25   | 0.25   | 0.41    | 3400000 | 2050000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 41.012561810 | -0.345332000 | -0.29  | -0.47  | -0.86 | 0.26   | 0.26   | 0.43    | 3450000 | 2050000  |
| 41.072471590 | 0.243007719  | -0.27  | -0.41  | -0.73 | 0.25   | 0.25   | 0.42    | 3500000 | 2050000  |
| 41.128890270 | 0.832314827  | -0.23  | -0.45  | -0.72 | 0.28   | 0.28   | 0.47    | 3550000 | 2050000  |
| 41.181808930 | 1.422534722  | -0.22  | -0.44  | -0.67 | 0.25   | 0.25   | 0.43    | 3600000 | 2050000  |
| 41.231219180 | 2.013612014  | -0.20  | -0.39  | -0.70 | 0.22   | 0.22   | 0.37    | 3650000 | 2050000  |
| 41.277113130 | 2.605490566  | -0.18  | -0.24  | -0.84 | 0.32   | 0.32   | 0.54    | 3700000 | 2050000  |
| 41.319483430 | 3.198113542  | -0.16  | -0.15  | -0.88 | 0.38   | 0.38   | 0.65    | 3750000 | 2050000  |
| 41.530891870 | 7.958882902  | 0.03   | -0.29  | -1.29 | 0.38   | 0.38   | 0.68    | 4150000 | 2050000  |
| 41.541309060 | 8.555556382  | 0.08   | -0.32  | -1.41 | 0.29   | 0.29   | 0.51    | 4200000 | 2050000  |
| 41.548159640 | 9.152378178  | 0.03   | -0.33  | -1.55 | 0.22   | 0.22   | 0.38    | 4250000 | 2050000  |
| 41.551442460 | 9.749287054  | -0.07  | -0.44  | -1.47 | 0.33   | 0.34   | 0.57    | 4300000 | 2050000  |
| 41.539881950 | 11.539922930 | -0.02  | -0.88  | -0.87 | 0.37   | 0.37   | 0.64    | 4450000 | 2050000  |
| 41.528894240 | 12.136567010 | 0.05   | -0.94  | -0.88 | 0.30   | 0.31   | 0.53    | 4500000 | 2050000  |
| 41.514341940 | 12.732991900 | 0.64   | -0.88  | -0.81 | 0.19   | 0.20   | 0.36    | 4550000 | 2050000  |
| 41.496227460 | 13.329136730 | 1.30   | -0.94  | -0.28 | 0.24   | 0.25   | 0.42    | 4600000 | 2050000  |
| 41.474553760 | 13.924940880 | 1.86   | -0.78  | -0.27 | 0.22   | 0.23   | 0.39    | 4650000 | 2050000  |
| 41.449324400 | 14.520344020 | 2.45   | 0.07   | -0.17 | 0.21   | 0.22   | 0.39    | 4700000 | 2050000  |
| 41.420543500 | 15.115286200 | 3.36   | 0.74   | 0.08  | 0.21   | 0.22   | 0.39    | 4750000 | 2050000  |
| 41.388215740 | 15.709707850 | 3.90   | 0.89   | -0.09 | 0.26   | 0.27   | 0.45    | 4800000 | 2050000  |
| 41.352346390 | 16.303549910 | 4.02   | 1.00   | -0.23 | 0.25   | 0.26   | 0.44    | 4850000 | 2050000  |
| 41.312941260 | 16.896753800 | 3.51   | 0.79   | -0.39 | 0.29   | 0.30   | 0.51    | 4900000 | 2050000  |
| 41.270006710 | 17.489261510 | 2.98   | 0.55   | -0.65 | 0.35   | 0.35   | 0.61    | 4950000 | 2050000  |
| 41.223549640 | 18.081015660 | 2.64   | 0.35   | -0.89 | 0.37   | 0.38   | 0.66    | 5000000 | 2050000  |
| 41.120098260 | 19.262037080 | 1.84   | -0.47  | -1.13 | 0.30   | 0.32   | 0.60    | 5100000 | 2050000  |
| 41.063120390 | 19.851193050 | 0.57   | -0.78  | -0.87 | 0.23   | 0.26   | 0.53    | 5150000 | 2050000  |
| 41.002652900 | 20.439372980 | -1.67  | -0.31  | -0.46 | 0.25   | 0.27   | 0.54    | 5200000 | 2050000  |
| 40.938705270 | 21.026523220 | -3.26  | 0.85   | -0.42 | 0.26   | 0.29   | 0.58    | 5250000 | 2050000  |
| 40.871287490 | 21.612591040 | -4.47  | 1.33   | -0.60 | 0.26   | 0.29   | 0.60    | 5300000 | 2050000  |
| 40.800410010 | 22.197524580 | -5.89  | 1.14   | -0.96 | 0.29   | 0.30   | 0.58    | 5350000 | 2050000  |
| 40.726083750 | 22.781272980 | -7.00  | 1.12   | -1.12 | 0.28   | 0.28   | 0.55    | 5400000 | 2050000  |
| 40.648320100 | 23.363786350 | -7.00  | 0.99   | -0.82 | 0.30   | 0.30   | 0.58    | 5450000 | 2050000  |
| 40.567130860 | 23.945015810 | -6.46  | 0.74   | -0.56 | 0.24   | 0.25   | 0.55    | 5500000 | 2050000  |
| 40.482528280 | 24.524913570 | -4.50  | 0.08   | -0.58 | 0.32   | 0.32   | 0.55    | 5550000 | 2050000  |
| 40.394525030 | 25.103432900 | -3.02  | -0.19  | -0.73 | 0.37   | 0.36   | 0.56    | 5600000 | 2050000  |
| 40.303134170 | 25.680528190 | -12.85 | -17.38 | -0.75 | 0.38   | 0.36   | 0.56    | 5650000 | 2050000  |
| 40.208369160 | 26.256154990 | -9.82  | -17.55 | -0.58 | 0.28   | 0.25   | 0.43    | 5700000 | 2050000  |
| 40.110243820 | 26.830269990 | -8.94  | -18.19 | -0.54 | 0.30   | 0.28   | 0.46    | 5750000 | 2050000  |
| 40.008772350 | 27.402831080 | -8.56  | -19.60 | -0.67 | 0.25   | 0.22   | 0.40    | 5800000 | 2050000  |
| 39.903969280 | 27.973797350 | -6.38  | -21.07 | -0.81 | 0.28   | 0.27   | 0.45    | 5850000 | 2050000  |
| 39.795849490 | 28.543129150 | -5.60  | -21.88 | -0.96 | 0.33   | 0.32   | 0.54    | 5900000 | 2050000  |
| 39.684428170 | 29.110788030 | -4.90  | -22.57 | -1.05 | 0.26   | 0.28   | 0.47    | 5950000 | 2050000  |



| #Latitude    | Longitude     | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 39.569720810 | 29.676736840  | -4.90 | -22.39 | -0.80 | 0.29   | 0.29   | 0.49    | 6000000 | 2050000  |
| 39.451743190 | 30.240939680  | -4.40 | -22.29 | -0.51 | 0.30   | 0.29   | 0.51    | 6050000 | 2050000  |
| 39.330511370 | 30.803361930  | -3.88 | -22.25 | -0.41 | 0.33   | 0.33   | 0.56    | 6100000 | 2050000  |
| 39.206041670 | 31.363970290  | -3.55 | -22.19 | -0.70 | 0.29   | 0.29   | 0.52    | 6150000 | 2050000  |
| 39.078350640 | 31.922732750  | -2.90 | -21.37 | -1.25 | 0.31   | 0.30   | 0.52    | 6200000 | 2050000  |
| 38.947455080 | 32.479618600  | -1.45 | -20.31 | -1.33 | 0.33   | 0.33   | 0.56    | 6250000 | 2050000  |
| 38.813371990 | 33.034598450  | 0.15  | -19.55 | -1.15 | 0.29   | 0.28   | 0.51    | 6300000 | 2050000  |
| 38.676118570 | 33.587644250  | 1.46  | -18.41 | -1.00 | 0.36   | 0.36   | 0.61    | 6350000 | 2050000  |
| 38.535712220 | 34.138729230  | 2.81  | -17.59 | -0.86 | 0.35   | 0.35   | 0.60    | 6400000 | 2050000  |
| 38.392170470 | 34.687827950  | 4.13  | -16.87 | -0.78 | 0.29   | 0.29   | 0.52    | 6450000 | 2050000  |
| 38.245511060 | 35.234916300  | 4.96  | -15.76 | -0.94 | 0.33   | 0.34   | 0.58    | 6500000 | 2050000  |
| 38.095751830 | 35.779971480  | 5.75  | -14.84 | -1.13 | 0.32   | 0.33   | 0.59    | 6550000 | 2050000  |
| 37.942910750 | 36.322971980  | 6.70  | -14.14 | -1.21 | 0.32   | 0.33   | 0.58    | 6600000 | 2050000  |
| 37.787005920 | 36.863897620  | 7.79  | -13.66 | -1.27 | 0.33   | 0.33   | 0.56    | 6650000 | 2050000  |
| 37.628055520 | 37.402729480  | 8.88  | -13.49 | -1.43 | 0.33   | 0.34   | 0.58    | 6700000 | 2050000  |
| 37.466077830 | 37.939449960  | 12.25 | -7.54  | -1.41 | 0.40   | 0.34   | 0.62    | 6750000 | 2050000  |
| 37.301091170 | 38.474042720  | 12.83 | -7.73  | -0.93 | 0.37   | 0.34   | 0.61    | 6800000 | 2050000  |
| 37.133113940 | 39.006492690  | 13.38 | -7.65  | -0.14 | 0.32   | 0.32   | 0.57    | 6850000 | 2050000  |
| 36.962164580 | 39.536786060  | 13.77 | -6.96  | 0.70  | 0.34   | 0.33   | 0.58    | 6900000 | 2050000  |
| 36.788261560 | 40.064910260  | 13.89 | -6.39  | 0.86  | 0.38   | 0.38   | 0.66    | 6950000 | 2050000  |
| 36.611423350 | 40.590853930  | 13.99 | -5.92  | 0.71  | 0.41   | 0.42   | 0.74    | 7000000 | 2050000  |
| 36.431668430 | 41.114606960  | 14.25 | -5.55  | 0.46  | 0.43   | 0.44   | 0.79    | 7050000 | 2050000  |
| 39.035533660 | -10.013578880 | -0.22 | -0.76  | -1.07 | 0.38   | 0.38   | 0.68    | 2600000 | 2000000  |
| 39.152080830 | -9.452478157  | -0.30 | -0.99  | -1.07 | 0.29   | 0.30   | 0.52    | 2650000 | 2000000  |
| 39.265376270 | -8.889685615  | -0.02 | -0.99  | -1.00 | 0.25   | 0.26   | 0.44    | 2700000 | 2000000  |
| 39.375404720 | -8.325236561  | 0.32  | -0.94  | -1.00 | 0.22   | 0.22   | 0.41    | 2750000 | 2000000  |
| 39.482151170 | -7.759167525  | 0.19  | -0.92  | -0.92 | 0.27   | 0.28   | 0.48    | 2800000 | 2000000  |
| 39.585600920 | -7.191516246  | 0.18  | -0.99  | -0.70 | 0.27   | 0.27   | 0.47    | 2850000 | 2000000  |
| 39.685739580 | -6.622321658  | 0.32  | -1.11  | -0.69 | 0.28   | 0.28   | 0.47    | 2900000 | 2000000  |
| 39.782553110 | -6.051623869  | 0.19  | -1.15  | -0.94 | 0.28   | 0.28   | 0.45    | 2950000 | 2000000  |
| 39.876027790 | -5.479464147  | -0.08 | -1.10  | -1.22 | 0.24   | 0.24   | 0.39    | 3000000 | 2000000  |
| 39.966150250 | -4.905884895  | -0.18 | -0.90  | -0.87 | 0.30   | 0.30   | 0.50    | 3050000 | 2000000  |
| 40.052907500 | -4.330929632  | -0.26 | -0.79  | -0.42 | 0.28   | 0.28   | 0.46    | 3100000 | 2000000  |
| 40.136286940 | -3.754642967  | -0.39 | -0.79  | -0.31 | 0.23   | 0.23   | 0.39    | 3150000 | 2000000  |
| 40.216276340 | -3.177070573  | -0.45 | -0.88  | -0.59 | 0.29   | 0.29   | 0.47    | 3200000 | 2000000  |
| 40.292863900 | -2.598259159  | -0.50 | -0.93  | -0.91 | 0.31   | 0.31   | 0.52    | 3250000 | 2000000  |
| 40.366038230 | -2.018256442  | -0.48 | -0.90  | -1.13 | 0.29   | 0.30   | 0.50    | 3300000 | 2000000  |
| 40.435788360 | -1.437111117  | -0.29 | -0.76  | -1.21 | 0.23   | 0.23   | 0.39    | 3350000 | 2000000  |
| 40.502103790 | -0.854872818  | -0.24 | -0.59  | -1.05 | 0.25   | 0.25   | 0.40    | 3400000 | 2000000  |
| 40.564974450 | -0.271592091  | -0.25 | -0.52  | -0.84 | 0.25   | 0.25   | 0.42    | 3450000 | 2000000  |
| 40.624390740 | 0.312679646   | -0.26 | -0.49  | -0.74 | 0.24   | 0.24   | 0.40    | 3500000 | 2000000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 40.680343540 | 0.897890141  | -0.22  | -0.47  | -0.74 | 0.31   | 0.31   | 0.53    | 3550000 | 2000000  |
| 40.732824220 | 1.483986346  | -0.17  | -0.42  | -0.76 | 0.35   | 0.35   | 0.59    | 3600000 | 2000000  |
| 40.781824630 | 2.070914456  | -0.13  | -0.34  | -0.81 | 0.36   | 0.36   | 0.62    | 3650000 | 2000000  |
| 41.078993120 | 7.973661587  | 0.00   | -0.32  | -1.21 | 0.37   | 0.38   | 0.67    | 4150000 | 2000000  |
| 41.089322690 | 8.566018172  | 0.05   | -0.39  | -1.24 | 0.31   | 0.32   | 0.56    | 4200000 | 2000000  |
| 41.096115620 | 9.158518597  | 0.11   | -0.39  | -1.29 | 0.24   | 0.26   | 0.45    | 4250000 | 2000000  |
| 41.099370810 | 9.751103472  | -0.04  | -0.42  | -1.38 | 0.29   | 0.31   | 0.53    | 4300000 | 2000000  |
| 41.099087740 | 10.343713330 | -0.07  | -0.47  | -1.22 | 0.38   | 0.39   | 0.67    | 4350000 | 2000000  |
| 41.077012290 | 12.121098160 | 0.21   | -0.61  | -0.94 | 0.37   | 0.38   | 0.66    | 4500000 | 2000000  |
| 41.062582330 | 12.713213660 | 0.56   | -0.61  | -0.80 | 0.29   | 0.31   | 0.54    | 4550000 | 2000000  |
| 41.044620020 | 13.305057540 | 1.08   | -0.68  | -0.49 | 0.25   | 0.27   | 0.46    | 4600000 | 2000000  |
| 41.023128240 | 13.896571000 | 1.47   | -1.06  | -0.65 | 0.26   | 0.27   | 0.45    | 4650000 | 2000000  |
| 40.998110430 | 14.487695520 | 1.68   | -1.16  | -0.80 | 0.23   | 0.23   | 0.41    | 4700000 | 2000000  |
| 40.969570580 | 15.078372930 | 2.38   | -0.45  | -0.33 | 0.21   | 0.22   | 0.39    | 4750000 | 2000000  |
| 40.937513240 | 15.668545460 | 3.47   | 0.45   | -0.12 | 0.22   | 0.22   | 0.38    | 4800000 | 2000000  |
| 40.901943490 | 16.258155760 | 4.09   | 0.92   | -0.15 | 0.22   | 0.22   | 0.37    | 4850000 | 2000000  |
| 40.862866960 | 16.847147010 | 3.84   | 0.77   | -0.18 | 0.23   | 0.24   | 0.40    | 4900000 | 2000000  |
| 40.820289820 | 17.435462900 | 3.44   | 0.58   | -0.40 | 0.24   | 0.25   | 0.45    | 4950000 | 2000000  |
| 40.774218760 | 18.023047710 | 3.30   | 0.63   | -0.78 | 0.29   | 0.29   | 0.53    | 5000000 | 2000000  |
| 40.724660980 | 18.609846360 | 2.83   | 0.29   | -0.98 | 0.34   | 0.35   | 0.62    | 5050000 | 2000000  |
| 40.671624200 | 19.195804450 | 2.11   | -0.24  | -1.08 | 0.32   | 0.33   | 0.61    | 5100000 | 2000000  |
| 40.615116650 | 19.780868280 | 0.80   | -0.81  | -0.92 | 0.25   | 0.27   | 0.54    | 5150000 | 2000000  |
| 40.555147030 | 20.364984950 | -1.35  | -0.84  | -0.60 | 0.28   | 0.30   | 0.58    | 5200000 | 2000000  |
| 40.491724550 | 20.948102320 | -3.29  | -0.13  | -0.42 | 0.29   | 0.32   | 0.62    | 5250000 | 2000000  |
| 40.424858880 | 21.530169120 | -5.13  | 0.36   | -0.48 | 0.24   | 0.29   | 0.61    | 5300000 | 2000000  |
| 40.354560160 | 22.111134940 | -7.13  | 0.33   | -0.88 | 0.26   | 0.29   | 0.61    | 5350000 | 2000000  |
| 40.280838970 | 22.690950290 | -8.49  | 0.33   | -1.02 | 0.26   | 0.28   | 0.61    | 5400000 | 2000000  |
| 40.203706340 | 23.269566640 | -8.02  | 0.28   | -0.76 | 0.34   | 0.33   | 0.64    | 5450000 | 2000000  |
| 40.123173720 | 23.846936430 | -6.99  | 0.08   | -0.48 | 0.33   | 0.29   | 0.55    | 5500000 | 2000000  |
| 40.039253010 | 24.423013120 | -4.86  | -0.11  | -0.48 | 0.38   | 0.36   | 0.57    | 5550000 | 2000000  |
| 39.951956460 | 24.997751190 | -16.73 | -17.14 | -0.61 | 0.30   | 0.26   | 0.44    | 5600000 | 2000000  |
| 39.861296760 | 25.571106210 | -14.83 | -17.73 | -0.58 | 0.34   | 0.31   | 0.52    | 5650000 | 2000000  |
| 39.767286970 | 26.143034840 | -12.31 | -19.03 | -0.45 | 0.35   | 0.33   | 0.56    | 5700000 | 2000000  |
| 39.669940480 | 26.713494860 | -11.42 | -19.85 | -0.40 | 0.33   | 0.31   | 0.56    | 5750000 | 2000000  |
| 39.569271090 | 27.282445190 | -10.08 | -20.61 | -0.41 | 0.33   | 0.31   | 0.54    | 5800000 | 2000000  |
| 39.465292890 | 27.849845890 | -8.16  | -21.98 | -0.34 | 0.28   | 0.26   | 0.47    | 5850000 | 2000000  |
| 39.358020330 | 28.415658240 | -7.61  | -22.73 | -0.27 | 0.33   | 0.31   | 0.53    | 5900000 | 2000000  |
| 39.247468150 | 28.979844670 | -7.07  | -22.82 | -0.27 | 0.33   | 0.32   | 0.55    | 5950000 | 2000000  |
| 39.133651400 | 29.542368860 | -6.38  | -22.37 | -0.36 | 0.34   | 0.33   | 0.57    | 6000000 | 2000000  |
| 39.016585390 | 30.103195700 | -5.37  | -21.91 | -0.45 | 0.34   | 0.33   | 0.56    | 6050000 | 2000000  |
| 38.896285730 | 30.662291310 | -4.39  | -21.61 | -0.61 | 0.28   | 0.28   | 0.49    | 6100000 | 2000000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 38.772768280 | 31.219623050 | -3.98 | -21.14 | -1.05 | 0.30   | 0.30   | 0.52    | 6150000 | 2000000  |
| 38.646049110 | 31.775159570 | -3.32 | -20.38 | -1.44 | 0.28   | 0.28   | 0.49    | 6200000 | 2000000  |
| 38.516144540 | 32.328870730 | -1.65 | -19.29 | -1.22 | 0.34   | 0.34   | 0.58    | 6250000 | 2000000  |
| 38.383071110 | 32.880727700 | 0.02  | -18.44 | -1.01 | 0.33   | 0.32   | 0.58    | 6300000 | 2000000  |
| 38.246845530 | 33.430702900 | 1.38  | -17.24 | -0.90 | 0.38   | 0.38   | 0.65    | 6350000 | 2000000  |
| 38.107484720 | 33.978770010 | 2.73  | -16.29 | -0.76 | 0.37   | 0.37   | 0.63    | 6400000 | 2000000  |
| 37.965005740 | 34.524904000 | 4.09  | -15.49 | -0.55 | 0.25   | 0.25   | 0.47    | 6450000 | 2000000  |
| 37.819425820 | 35.069081100 | 4.85  | -14.68 | -0.72 | 0.32   | 0.32   | 0.56    | 6500000 | 2000000  |
| 37.670762340 | 35.611278820 | 5.70  | -13.89 | -1.04 | 0.33   | 0.34   | 0.60    | 6550000 | 2000000  |
| 37.519032790 | 36.151475920 | 6.74  | -13.24 | -1.24 | 0.32   | 0.32   | 0.55    | 6600000 | 2000000  |
| 37.364254760 | 36.689652430 | 7.81  | -12.95 | -1.40 | 0.33   | 0.34   | 0.56    | 6650000 | 2000000  |
| 37.206445970 | 37.225789630 | 11.71 | -7.29  | -1.66 | 0.40   | 0.30   | 0.55    | 6700000 | 2000000  |
| 37.045624200 | 37.759870030 | 12.18 | -7.31  | -1.47 | 0.41   | 0.34   | 0.62    | 6750000 | 2000000  |
| 36.881807310 | 38.291877410 | 12.63 | -7.24  | -0.94 | 0.42   | 0.39   | 0.68    | 6800000 | 2000000  |
| 36.715013220 | 38.821796750 | 13.04 | -6.99  | -0.36 | 0.41   | 0.40   | 0.70    | 6850000 | 2000000  |
| 36.545259880 | 39.349614250 | 13.35 | -6.49  | 0.14  | 0.42   | 0.42   | 0.73    | 6900000 | 2000000  |
| 36.372565290 | 39.875317330 | 13.59 | -6.00  | 0.35  | 0.43   | 0.43   | 0.76    | 6950000 | 2000000  |
| 36.196947470 | 40.398894590 | 13.82 | -5.59  | 0.32  | 0.43   | 0.45   | 0.80    | 7000000 | 2000000  |
| 38.599702350 | -9.878880312 | -0.20 | -0.95  | -1.17 | 0.36   | 0.36   | 0.64    | 2600000 | 1950000  |
| 38.715357970 | -9.321110785 | -0.34 | -1.42  | -1.23 | 0.17   | 0.17   | 0.34    | 2650000 | 1950000  |
| 38.827782660 | -8.761696386 | -0.03 | -1.26  | -1.10 | 0.22   | 0.23   | 0.41    | 2700000 | 1950000  |
| 38.936961570 | -8.200671647 | 0.22  | -1.01  | -1.19 | 0.26   | 0.26   | 0.46    | 2750000 | 1950000  |
| 39.042880140 | -7.638072273 | 0.19  | -0.99  | -1.24 | 0.26   | 0.26   | 0.46    | 2800000 | 1950000  |
| 39.145524100 | -7.073935135 | 0.22  | -1.13  | -0.97 | 0.26   | 0.27   | 0.47    | 2850000 | 1950000  |
| 39.244879480 | -6.508298246 | 0.34  | -1.22  | -0.76 | 0.28   | 0.28   | 0.47    | 2900000 | 1950000  |
| 39.340932640 | -5.941200751 | 0.20  | -1.25  | -0.81 | 0.25   | 0.26   | 0.42    | 2950000 | 1950000  |
| 39.433670280 | -5.372682909 | -0.03 | -1.16  | -0.90 | 0.29   | 0.29   | 0.48    | 3000000 | 1950000  |
| 39.523079410 | -4.802786065 | -0.15 | -1.03  | -0.79 | 0.32   | 0.32   | 0.53    | 3050000 | 1950000  |
| 39.609147450 | -4.231552638 | -0.23 | -0.87  | -0.58 | 0.28   | 0.29   | 0.47    | 3100000 | 1950000  |
| 39.691862160 | -3.659026091 | -0.39 | -0.86  | -0.55 | 0.27   | 0.28   | 0.46    | 3150000 | 1950000  |
| 39.771211680 | -3.085250907 | -0.58 | -0.95  | -0.71 | 0.30   | 0.30   | 0.50    | 3200000 | 1950000  |
| 39.847184570 | -2.510272563 | -0.63 | -1.01  | -0.92 | 0.30   | 0.31   | 0.52    | 3250000 | 1950000  |
| 39.919769780 | -1.934137503 | -0.59 | -0.95  | -1.08 | 0.27   | 0.28   | 0.48    | 3300000 | 1950000  |
| 39.988956680 | -1.356893103 | -0.43 | -0.66  | -1.14 | 0.27   | 0.27   | 0.44    | 3350000 | 1950000  |
| 40.054735090 | -0.778587646 | -0.24 | -0.53  | -1.08 | 0.24   | 0.24   | 0.41    | 3400000 | 1950000  |
| 40.117095230 | -0.199270281 | -0.19 | -0.62  | -0.92 | 0.31   | 0.31   | 0.52    | 3450000 | 1950000  |
| 40.176027820 | 0.381009004  | -0.22 | -0.73  | -0.84 | 0.27   | 0.27   | 0.47    | 3500000 | 1950000  |
| 40.231524010 | 0.962199425  | -0.20 | -0.66  | -0.86 | 0.32   | 0.32   | 0.56    | 3550000 | 1950000  |
| 40.377312910 | 2.710718455  | 0.02  | -0.26  | -0.99 | 0.37   | 0.37   | 0.64    | 3700000 | 1950000  |
| 40.418984650 | 3.295030925  | 0.04  | -0.20  | -0.95 | 0.37   | 0.37   | 0.63    | 3750000 | 1950000  |
| 40.457183030 | 3.879989980  | 0.01  | -0.17  | -0.90 | 0.36   | 0.36   | 0.61    | 3800000 | 1950000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 40.491902160 | 4.465540877  | -0.01  | -0.14  | -0.89 | 0.39   | 0.39   | 0.68    | 3850000 | 1950000  |
| 40.626888970 | 7.988151029  | -0.02  | -0.40  | -1.20 | 0.33   | 0.34   | 0.62    | 4150000 | 1950000  |
| 40.637132700 | 8.576275135  | -0.04  | -0.57  | -1.24 | 0.22   | 0.24   | 0.47    | 4200000 | 1950000  |
| 40.643869150 | 9.164538767  | 0.11   | -0.57  | -1.15 | 0.24   | 0.25   | 0.44    | 4250000 | 1950000  |
| 40.647097270 | 9.752884316  | -0.16  | -0.47  | -1.23 | 0.19   | 0.23   | 0.40    | 4300000 | 1950000  |
| 40.646816560 | 10.341254100 | -0.09  | -0.39  | -1.16 | 0.36   | 0.37   | 0.65    | 4350000 | 1950000  |
| 40.610614500 | 12.693822280 | 0.44   | -0.42  | -0.82 | 0.35   | 0.37   | 0.65    | 4550000 | 1950000  |
| 40.592801280 | 13.281449050 | 0.75   | -0.43  | -0.62 | 0.29   | 0.31   | 0.54    | 4600000 | 1950000  |
| 40.571487730 | 13.868755290 | 1.07   | -0.72  | -0.82 | 0.31   | 0.31   | 0.54    | 4650000 | 1950000  |
| 40.546677190 | 14.455684220 | 1.35   | -0.96  | -1.06 | 0.22   | 0.23   | 0.44    | 4700000 | 1950000  |
| 40.518373530 | 15.042179400 | 1.89   | -0.79  | -0.78 | 0.24   | 0.24   | 0.43    | 4750000 | 1950000  |
| 40.486581140 | 15.628184770 | 2.89   | -0.21  | -0.40 | 0.22   | 0.23   | 0.39    | 4800000 | 1950000  |
| 40.451304950 | 16.213644670 | 3.77   | 0.48   | -0.33 | 0.24   | 0.24   | 0.40    | 4850000 | 1950000  |
| 40.412550420 | 16.798503940 | 4.01   | 0.69   | -0.25 | 0.22   | 0.23   | 0.40    | 4900000 | 1950000  |
| 40.370323520 | 17.382707910 | 3.80   | 0.69   | -0.30 | 0.27   | 0.28   | 0.48    | 4950000 | 1950000  |
| 40.324630730 | 17.966202490 | 3.94   | 0.88   | -0.62 | 0.21   | 0.22   | 0.42    | 5000000 | 1950000  |
| 40.275479030 | 18.548934190 | 3.43   | 0.56   | -0.92 | 0.26   | 0.27   | 0.50    | 5050000 | 1950000  |
| 40.222875900 | 19.130850160 | 2.32   | -0.26  | -1.02 | 0.30   | 0.32   | 0.59    | 5100000 | 1950000  |
| 40.166829310 | 19.711898240 | 0.93   | -1.29  | -0.94 | 0.23   | 0.26   | 0.56    | 5150000 | 1950000  |
| 40.107347700 | 20.292027010 | -1.09  | -1.77  | -0.68 | 0.24   | 0.28   | 0.59    | 5200000 | 1950000  |
| 40.044440000 | 20.871185810 | -3.12  | -1.37  | -0.49 | 0.29   | 0.31   | 0.61    | 5250000 | 1950000  |
| 39.978115570 | 21.449324780 | -5.46  | -1.20  | -0.45 | 0.26   | 0.30   | 0.60    | 5300000 | 1950000  |
| 39.908384240 | 22.026394900 | -7.98  | -1.47  | -0.73 | 0.29   | 0.31   | 0.63    | 5350000 | 1950000  |
| 39.835256280 | 22.602348050 | -9.53  | -1.24  | -0.83 | 0.29   | 0.30   | 0.65    | 5400000 | 1950000  |
| 39.758742380 | 23.177136980 | -9.24  | -0.65  | -0.64 | 0.34   | 0.35   | 0.67    | 5450000 | 1950000  |
| 39.678853640 | 23.750715410 | -7.09  | -0.45  | -0.39 | 0.38   | 0.37   | 0.63    | 5500000 | 1950000  |
| 39.595601600 | 24.323038030 | -14.55 | -15.72 | -0.32 | 0.40   | 0.38   | 0.60    | 5550000 | 1950000  |
| 39.508998150 | 24.894060490 | -14.72 | -15.80 | -0.38 | 0.37   | 0.34   | 0.57    | 5600000 | 1950000  |
| 39.419055600 | 25.463739520 | -13.98 | -16.91 | -0.42 | 0.38   | 0.35   | 0.60    | 5650000 | 1950000  |
| 39.325786600 | 26.032032860 | -13.12 | -18.80 | -0.36 | 0.33   | 0.30   | 0.58    | 5700000 | 1950000  |
| 39.229204180 | 26.598899330 | -13.07 | -19.87 | -0.37 | 0.25   | 0.26   | 0.57    | 5750000 | 1950000  |
| 39.129321700 | 27.164298860 | -10.91 | -20.50 | -0.38 | 0.34   | 0.33   | 0.59    | 5800000 | 1950000  |
| 39.026152860 | 27.728192480 | -9.89  | -22.25 | -0.24 | 0.25   | 0.22   | 0.42    | 5850000 | 1950000  |
| 38.919711670 | 28.290542360 | -8.89  | -22.78 | 0.02  | 0.29   | 0.27   | 0.47    | 5900000 | 1950000  |
| 38.810012450 | 28.851311820 | -8.37  | -22.65 | 0.08  | 0.30   | 0.28   | 0.51    | 5950000 | 1950000  |
| 38.697069800 | 29.410465330 | -8.15  | -22.58 | -0.06 | 0.27   | 0.24   | 0.50    | 6000000 | 1950000  |
| 38.580898630 | 29.967968550 | -6.43  | -21.59 | -0.49 | 0.33   | 0.32   | 0.55    | 6050000 | 1950000  |
| 38.461514060 | 30.523788330 | -5.21  | -21.01 | -0.80 | 0.25   | 0.25   | 0.43    | 6100000 | 1950000  |
| 38.338931510 | 31.077892720 | -4.51  | -19.94 | -1.06 | 0.35   | 0.35   | 0.59    | 6150000 | 1950000  |
| 38.213166610 | 31.630250980 | -3.46  | -18.92 | -1.17 | 0.36   | 0.35   | 0.61    | 6200000 | 1950000  |
| 38.084235220 | 32.180833560 | -1.99  | -17.90 | -1.05 | 0.32   | 0.32   | 0.59    | 6250000 | 1950000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 37.952153390 | 32.729612170 | -0.38 | -16.85 | -0.94 | 0.32   | 0.32   | 0.60    | 6300000 | 1950000  |
| 37.816937400 | 33.276559700 | 1.11  | -15.85 | -0.90 | 0.39   | 0.38   | 0.68    | 6350000 | 1950000  |
| 37.678603680 | 33.821650310 | 2.48  | -15.05 | -0.82 | 0.37   | 0.35   | 0.64    | 6400000 | 1950000  |
| 37.537168840 | 34.364859350 | 3.66  | -14.39 | -0.73 | 0.30   | 0.28   | 0.54    | 6450000 | 1950000  |
| 37.392649630 | 34.906163420 | 4.35  | -13.76 | -0.70 | 0.28   | 0.28   | 0.55    | 6500000 | 1950000  |
| 37.245062950 | 35.445540330 | 5.43  | -13.10 | -0.96 | 0.36   | 0.36   | 0.62    | 6550000 | 1950000  |
| 37.094425830 | 35.982969130 | 6.57  | -12.45 | -1.16 | 0.28   | 0.29   | 0.48    | 6600000 | 1950000  |
| 36.940755410 | 36.518430070 | 7.66  | -12.29 | -1.28 | 0.30   | 0.30   | 0.50    | 6650000 | 1950000  |
| 36.784068900 | 37.051904620 | 11.95 | -7.29  | -1.36 | 0.41   | 0.32   | 0.53    | 6700000 | 1950000  |
| 36.624383640 | 37.583375450 | 12.12 | -7.00  | -1.24 | 0.44   | 0.38   | 0.65    | 6750000 | 1950000  |
| 36.461717020 | 38.112826450 | 12.37 | -6.68  | -0.88 | 0.46   | 0.43   | 0.74    | 6800000 | 1950000  |
| 36.296086490 | 38.640242660 | 12.69 | -6.35  | -0.50 | 0.45   | 0.44   | 0.78    | 6850000 | 1950000  |
| 36.127509540 | 39.165610340 | 13.01 | -5.96  | -0.18 | 0.45   | 0.45   | 0.80    | 6900000 | 1950000  |
| 35.956003700 | 39.688916900 | 13.31 | -5.57  | -0.02 | 0.45   | 0.46   | 0.82    | 6950000 | 1950000  |
| 38.163345700 | -9.746630798 | -0.06 | -0.97  | -1.28 | 0.38   | 0.38   | 0.68    | 2600000 | 1900000  |
| 38.278126140 | -9.192140714 | -0.08 | -1.32  | -1.41 | 0.31   | 0.31   | 0.54    | 2650000 | 1900000  |
| 38.389696130 | -8.636051221 | 0.02  | -1.32  | -1.35 | 0.26   | 0.26   | 0.46    | 2700000 | 1900000  |
| 38.498041260 | -8.078396088 | 0.20  | -1.10  | -1.29 | 0.24   | 0.24   | 0.42    | 2750000 | 1900000  |
| 38.603147380 | -7.519210212 | 0.29  | -1.15  | -1.30 | 0.26   | 0.27   | 0.46    | 2800000 | 1900000  |
| 38.705000640 | -6.958529609 | 0.34  | -1.29  | -1.09 | 0.26   | 0.26   | 0.46    | 2850000 | 1900000  |
| 38.803587470 | -6.396391396 | 0.34  | -1.24  | -0.77 | 0.25   | 0.25   | 0.43    | 2900000 | 1900000  |
| 38.898894650 | -5.832833776 | 0.18  | -1.16  | -0.60 | 0.23   | 0.24   | 0.39    | 2950000 | 1900000  |
| 38.990909230 | -5.267896021 | -0.01 | -1.20  | -0.69 | 0.27   | 0.27   | 0.44    | 3000000 | 1900000  |
| 39.079618660 | -4.701618447 | -0.05 | -1.20  | -0.75 | 0.30   | 0.30   | 0.50    | 3050000 | 1900000  |
| 39.165010680 | -4.134042402 | -0.09 | -1.12  | -0.76 | 0.32   | 0.33   | 0.54    | 3100000 | 1900000  |
| 39.247073450 | -3.565210232 | -0.33 | -1.07  | -0.81 | 0.28   | 0.31   | 0.51    | 3150000 | 1900000  |
| 39.325795450 | -2.995165265 | -0.61 | -1.06  | -0.85 | 0.24   | 0.27   | 0.43    | 3200000 | 1900000  |
| 39.401165580 | -2.423951782 | -0.64 | -0.98  | -0.90 | 0.33   | 0.34   | 0.56    | 3250000 | 1900000  |
| 39.473173130 | -1.851614987 | -0.59 | -0.85  | -0.96 | 0.34   | 0.34   | 0.57    | 3300000 | 1900000  |
| 39.541807800 | -1.278200982 | -0.62 | -0.68  | -1.01 | 0.23   | 0.23   | 0.38    | 3350000 | 1900000  |
| 39.607059690 | -0.703756735 | -0.27 | -0.70  | -0.99 | 0.27   | 0.27   | 0.45    | 3400000 | 1900000  |
| 39.668919350 | -0.128330047 | -0.10 | -0.76  | -0.96 | 0.29   | 0.29   | 0.47    | 3450000 | 1900000  |
| 39.727377770 | 0.448030483  | -0.17 | -0.84  | -0.95 | 0.29   | 0.29   | 0.51    | 3500000 | 1900000  |
| 39.782426370 | 1.025275488  | -0.18 | -0.73  | -1.03 | 0.31   | 0.32   | 0.56    | 3550000 | 1900000  |
| 39.882262130 | 2.182217854  | 0.01  | -0.32  | -1.19 | 0.35   | 0.35   | 0.60    | 3650000 | 1900000  |
| 39.927034480 | 2.761812990  | 0.16  | -0.26  | -1.16 | 0.26   | 0.26   | 0.43    | 3700000 | 1900000  |
| 39.968367380 | 3.342088231  | 0.15  | -0.18  | -1.06 | 0.28   | 0.28   | 0.46    | 3750000 | 1900000  |
| 40.006254650 | 3.922990952  | 0.06  | -0.20  | -0.90 | 0.16   | 0.16   | 0.27    | 3800000 | 1900000  |
| 40.040690570 | 4.504468001  | 0.02  | -0.15  | -0.88 | 0.32   | 0.32   | 0.55    | 3850000 | 1900000  |
| 40.174572330 | 8.002358890  | 0.00  | -0.52  | -1.26 | 0.35   | 0.36   | 0.64    | 4150000 | 1900000  |
| 40.184731940 | 8.586332700  | 0.01  | -0.77  | -1.47 | 0.24   | 0.28   | 0.49    | 4200000 | 1900000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 40.191413050 | 9.170441877  | 0.05   | -0.62  | -1.11 | 0.24   | 0.25   | 0.44    | 4250000 | 1900000  |
| 40.194614660 | 9.754630528  | -0.13  | -0.39  | -1.01 | 0.26   | 0.28   | 0.46    | 4300000 | 1900000  |
| 40.194336250 | 10.338842690 | -0.08  | -0.32  | -1.11 | 0.37   | 0.38   | 0.65    | 4350000 | 1900000  |
| 40.119625380 | 13.841479120 | 0.97   | -0.51  | -1.11 | 0.38   | 0.38   | 0.67    | 4650000 | 1900000  |
| 40.095017950 | 14.424293330 | 1.21   | -0.54  | -1.24 | 0.35   | 0.35   | 0.62    | 4700000 | 1900000  |
| 40.066945720 | 15.006686670 | 1.57   | -0.35  | -1.13 | 0.29   | 0.30   | 0.52    | 4750000 | 1900000  |
| 40.035412970 | 15.588604720 | 2.33   | -0.02  | -0.74 | 0.22   | 0.23   | 0.41    | 4800000 | 1900000  |
| 40.000424480 | 16.169993470 | 3.46   | 0.37   | -0.45 | 0.23   | 0.24   | 0.43    | 4850000 | 1900000  |
| 39.961985510 | 16.750799350 | 3.81   | 0.72   | -0.32 | 0.28   | 0.28   | 0.50    | 4900000 | 1900000  |
| 39.920101870 | 17.330969290 | 3.54   | 0.93   | -0.35 | 0.33   | 0.33   | 0.58    | 4950000 | 1900000  |
| 39.874779820 | 17.910450770 | 3.49   | 0.78   | -0.55 | 0.30   | 0.30   | 0.54    | 5000000 | 1900000  |
| 39.826026140 | 18.489191810 | 3.16   | 0.29   | -0.79 | 0.25   | 0.25   | 0.49    | 5050000 | 1900000  |
| 39.773848070 | 19.067141090 | 2.04   | -0.64  | -0.88 | 0.34   | 0.35   | 0.64    | 5100000 | 1900000  |
| 39.718253350 | 19.644247930 | 1.08   | -1.92  | -0.87 | 0.29   | 0.31   | 0.65    | 5150000 | 1900000  |
| 39.659250140 | 20.220462340 | -0.25  | -2.90  | -0.73 | 0.23   | 0.26   | 0.62    | 5200000 | 1900000  |
| 39.596847100 | 20.795735090 | -2.97  | -3.01  | -0.58 | 0.20   | 0.23   | 0.55    | 5250000 | 1900000  |
| 39.531053320 | 21.370017690 | -5.88  | -3.85  | -0.59 | 0.29   | 0.31   | 0.60    | 5300000 | 1900000  |
| 39.461878320 | 21.943262470 | -8.59  | -3.94  | -0.73 | 0.20   | 0.27   | 0.61    | 5350000 | 1900000  |
| 39.389332050 | 22.515422610 | -9.63  | -2.95  | -0.70 | 0.29   | 0.31   | 0.64    | 5400000 | 1900000  |
| 39.313424890 | 23.086452150 | -9.67  | -1.56  | -0.50 | 0.32   | 0.34   | 0.63    | 5450000 | 1900000  |
| 39.234167610 | 23.656306020 | -21.81 | -7.04  | -0.20 | 0.26   | 0.31   | 0.58    | 5500000 | 1900000  |
| 39.151571380 | 24.224940090 | -26.03 | -16.54 | -0.10 | 0.33   | 0.62   | 0.54    | 5550000 | 1900000  |
| 39.065647770 | 24.792311200 | -26.09 | -16.51 | -0.17 | 0.34   | 0.61   | 0.53    | 5600000 | 1900000  |
| 38.976408680 | 25.358377160 | -26.65 | -18.50 | -0.37 | 0.41   | 0.63   | 0.63    | 5650000 | 1900000  |
| 38.883866430 | 25.923096770 | -11.32 | -16.94 | -0.47 | 0.36   | 0.35   | 0.64    | 5700000 | 1900000  |
| 38.788033630 | 26.486429900 | -10.42 | -17.99 | -0.54 | 0.34   | 0.33   | 0.64    | 5750000 | 1900000  |
| 38.688923270 | 27.048337430 | -9.31  | -18.73 | -0.51 | 0.37   | 0.36   | 0.65    | 5800000 | 1900000  |
| 38.586548630 | 27.608781350 | -8.16  | -19.73 | -0.42 | 0.37   | 0.35   | 0.61    | 5850000 | 1900000  |
| 38.480923330 | 28.167724700 | -7.32  | -20.31 | -0.30 | 0.37   | 0.35   | 0.61    | 5900000 | 1900000  |
| 38.372061270 | 28.725131640 | -7.36  | -20.63 | -0.24 | 0.34   | 0.31   | 0.58    | 5950000 | 1900000  |
| 38.259976630 | 29.280967470 | -7.33  | -20.60 | -0.39 | 0.35   | 0.32   | 0.59    | 6000000 | 1900000  |
| 38.144683880 | 29.835198590 | -6.97  | -20.55 | -0.76 | 0.33   | 0.32   | 0.55    | 6050000 | 1900000  |
| 38.026197730 | 30.387792570 | -6.57  | -20.25 | -1.07 | 0.27   | 0.27   | 0.47    | 6100000 | 1900000  |
| 37.904533140 | 30.938718110 | -5.44  | -18.73 | -1.11 | 0.34   | 0.34   | 0.58    | 6150000 | 1900000  |
| 37.779705310 | 31.487945100 | -4.03  | -17.60 | -1.05 | 0.33   | 0.32   | 0.58    | 6200000 | 1900000  |
| 37.651729660 | 32.035444570 | -2.41  | -16.53 | -1.01 | 0.33   | 0.32   | 0.59    | 6250000 | 1900000  |
| 37.520621800 | 32.581188760 | -0.67  | -15.36 | -1.01 | 0.38   | 0.37   | 0.66    | 6300000 | 1900000  |
| 37.386397530 | 33.125151070 | 0.84   | -14.48 | -1.00 | 0.40   | 0.39   | 0.69    | 6350000 | 1900000  |
| 37.249072850 | 33.667306080 | 2.14   | -13.85 | -0.98 | 0.37   | 0.37   | 0.65    | 6400000 | 1900000  |
| 37.108663900 | 34.207629560 | 3.27   | -13.45 | -0.98 | 0.33   | 0.32   | 0.58    | 6450000 | 1900000  |
| 36.965187000 | 34.746098460 | 4.20   | -13.03 | -1.00 | 0.31   | 0.31   | 0.57    | 6500000 | 1900000  |



| #Latitude    | Longitude    | N     | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|-------|--------|-------|--------|--------|---------|---------|----------|
| 36.818658570 | 35.282690930 | 5.10  | -12.40 | -0.98 | 0.37   | 0.37   | 0.65    | 6550000 | 1900000  |
| 36.669095190 | 35.817386290 | 6.03  | -11.96 | -0.99 | 0.36   | 0.36   | 0.63    | 6600000 | 1900000  |
| 36.516513540 | 36.350165020 | 10.66 | -6.87  | -0.99 | 0.48   | 0.35   | 0.61    | 6650000 | 1900000  |
| 36.360930390 | 36.881008820 | 11.35 | -6.79  | -1.02 | 0.47   | 0.39   | 0.66    | 6700000 | 1900000  |
| 36.202362600 | 37.409900500 | 11.77 | -6.49  | -0.96 | 0.48   | 0.43   | 0.73    | 6750000 | 1900000  |
| 36.040827120 | 37.936824070 | 12.07 | -6.13  | -0.78 | 0.48   | 0.45   | 0.79    | 6800000 | 1900000  |
| 37.840385570 | -9.065511245 | 0.23  | -1.34  | -1.57 | 0.31   | 0.32   | 0.56    | 2650000 | 1850000  |
| 37.951116560 | -8.512694347 | 0.25  | -1.46  | -1.49 | 0.23   | 0.24   | 0.42    | 2700000 | 1850000  |
| 38.058643290 | -7.958355092 | 0.23  | -1.29  | -0.96 | 0.21   | 0.21   | 0.37    | 2750000 | 1850000  |
| 38.162952020 | -7.402527588 | 0.35  | -1.41  | -0.98 | 0.26   | 0.26   | 0.44    | 2800000 | 1850000  |
| 38.264029320 | -6.845247014 | 0.33  | -1.51  | -0.93 | 0.23   | 0.23   | 0.38    | 2850000 | 1850000  |
| 38.361862000 | -6.286549609 | 0.19  | -1.34  | -0.72 | 0.24   | 0.24   | 0.40    | 2900000 | 1850000  |
| 38.456437210 | -5.726472656 | 0.05  | -1.23  | -0.59 | 0.28   | 0.28   | 0.46    | 2950000 | 1850000  |
| 38.547742420 | -5.165054464 | 0.02  | -1.31  | -0.61 | 0.29   | 0.29   | 0.47    | 3000000 | 1850000  |
| 38.635765400 | -4.602334347 | 0.10  | -1.39  | -0.75 | 0.28   | 0.28   | 0.47    | 3050000 | 1850000  |
| 38.720494290 | -4.038352607 | 0.12  | -1.40  | -0.88 | 0.25   | 0.27   | 0.44    | 3100000 | 1850000  |
| 38.801917580 | -3.473150507 | -0.25 | -1.26  | -0.96 | 0.29   | 0.33   | 0.53    | 3150000 | 1850000  |
| 38.880024110 | -2.906770250 | -0.49 | -1.14  | -0.93 | 0.32   | 0.35   | 0.57    | 3200000 | 1850000  |
| 38.954803100 | -2.339254953 | -0.54 | -0.98  | -0.86 | 0.36   | 0.37   | 0.61    | 3250000 | 1850000  |
| 39.026244160 | -1.770648621 | -0.49 | -0.86  | -0.83 | 0.35   | 0.35   | 0.58    | 3300000 | 1850000  |
| 39.094337300 | -1.200996116 | -0.43 | -0.83  | -0.80 | 0.26   | 0.26   | 0.43    | 3350000 | 1850000  |
| 39.159072930 | -0.630343133 | -0.17 | -0.77  | -0.83 | 0.28   | 0.28   | 0.46    | 3400000 | 1850000  |
| 39.220441890 | -0.058736164 | -0.06 | -0.68  | -0.91 | 0.29   | 0.29   | 0.47    | 3450000 | 1850000  |
| 39.278435420 | 0.513777533  | -0.11 | -0.61  | -1.05 | 0.34   | 0.34   | 0.57    | 3500000 | 1850000  |
| 39.333045210 | 1.087149967  | -0.14 | -0.55  | -1.25 | 0.34   | 0.34   | 0.57    | 3550000 | 1850000  |
| 39.384263410 | 1.661332448  | -0.10 | -0.40  | -1.36 | 0.35   | 0.35   | 0.58    | 3600000 | 1850000  |
| 39.432082600 | 2.236275624  | 0.00  | -0.26  | -1.37 | 0.32   | 0.32   | 0.54    | 3650000 | 1850000  |
| 39.476495830 | 2.811929519  | 0.09  | -0.16  | -1.34 | 0.21   | 0.21   | 0.34    | 3700000 | 1850000  |
| 39.517496610 | 3.388243571  | 0.17  | -0.09  | -1.18 | 0.20   | 0.20   | 0.33    | 3750000 | 1850000  |
| 39.555078940 | 3.965166669  | 0.09  | -0.12  | -0.99 | 0.32   | 0.32   | 0.53    | 3800000 | 1850000  |
| 39.589237280 | 4.542647197  | 0.04  | -0.12  | -0.91 | 0.37   | 0.37   | 0.64    | 3850000 | 1850000  |
| 39.722036050 | 8.016292545  | 0.05  | -0.55  | -1.10 | 0.36   | 0.37   | 0.65    | 4150000 | 1850000  |
| 39.732113230 | 8.596196092  | -0.05 | -0.75  | -1.16 | 0.27   | 0.30   | 0.50    | 4200000 | 1850000  |
| 39.738740120 | 9.176230995  | -0.20 | -0.64  | -1.13 | 0.23   | 0.23   | 0.41    | 4250000 | 1850000  |
| 39.741915730 | 9.756343016  | -0.16 | -0.34  | -1.21 | 0.28   | 0.29   | 0.49    | 4300000 | 1850000  |
| 39.615280530 | 14.971876470 | 1.67  | -0.18  | -1.61 | 0.36   | 0.36   | 0.63    | 4750000 | 1850000  |
| 39.584002250 | 15.549785010 | 2.15  | 0.15   | -1.34 | 0.30   | 0.30   | 0.53    | 4800000 | 1850000  |
| 39.549295720 | 16.127179830 | 3.01  | 0.42   | -0.88 | 0.21   | 0.22   | 0.41    | 4850000 | 1850000  |
| 39.511166060 | 16.704008940 | 3.44  | 1.02   | -0.40 | 0.22   | 0.23   | 0.44    | 4900000 | 1850000  |
| 39.469618870 | 17.280220790 | 3.02  | 1.51   | -0.35 | 0.30   | 0.30   | 0.56    | 4950000 | 1850000  |
| 39.424660240 | 17.855764350 | 2.66  | 0.92   | -0.50 | 0.36   | 0.36   | 0.64    | 5000000 | 1850000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 39.376296730 | 18.430589160 | 2.16   | 0.13   | -0.67 | 0.37   | 0.37   | 0.67    | 5050000 | 1850000  |
| 39.269383630 | 19.577883620 | 0.50   | -2.11  | -0.77 | 0.37   | 0.38   | 0.70    | 5150000 | 1850000  |
| 39.210849460 | 20.150255450 | -0.88  | -3.62  | -0.70 | 0.33   | 0.34   | 0.64    | 5200000 | 1850000  |
| 39.148941240 | 20.721712940 | -3.51  | -5.60  | -0.61 | 0.28   | 0.30   | 0.56    | 5250000 | 1850000  |
| 39.083667780 | 21.292208950 | -6.60  | -7.73  | -0.70 | 0.27   | 0.28   | 0.56    | 5300000 | 1850000  |
| 39.015038320 | 21.861697110 | -8.24  | -7.12  | -0.79 | 0.27   | 0.26   | 0.57    | 5350000 | 1850000  |
| 38.943062500 | 22.430131870 | -16.64 | -9.11  | -0.63 | 0.35   | 0.36   | 0.59    | 5400000 | 1850000  |
| 38.867750400 | 22.997468500 | -18.03 | -9.66  | -0.30 | 0.23   | 0.23   | 0.50    | 5450000 | 1850000  |
| 38.789112460 | 23.563663120 | -25.36 | -16.70 | -0.05 | 0.30   | 0.57   | 0.53    | 5500000 | 1850000  |
| 38.707159510 | 24.128672780 | -24.44 | -14.97 | -0.08 | 0.29   | 0.55   | 0.47    | 5550000 | 1850000  |
| 38.621902780 | 24.692455410 | -25.10 | -15.79 | -0.27 | 0.34   | 0.56   | 0.52    | 5600000 | 1850000  |
| 38.533353840 | 25.254969900 | -25.54 | -17.73 | -0.47 | 0.41   | 0.59   | 0.64    | 5650000 | 1850000  |
| 38.441524600 | 25.816176110 | -24.46 | -19.17 | -0.59 | 0.40   | 0.55   | 0.63    | 5700000 | 1850000  |
| 38.346427340 | 26.376034880 | -23.13 | -20.09 | -0.74 | 0.35   | 0.49   | 0.55    | 5750000 | 1850000  |
| 38.248074650 | 26.934508070 | -23.82 | -21.02 | -0.65 | 0.49   | 0.54   | 0.62    | 5800000 | 1850000  |
| 38.146479430 | 27.491558560 | -22.88 | -21.95 | -0.70 | 0.54   | 0.54   | 0.64    | 5850000 | 1850000  |
| 38.041654900 | 28.047150280 | -22.08 | -22.62 | -0.75 | 0.58   | 0.51   | 0.63    | 5900000 | 1850000  |
| 37.933614560 | 28.601248220 | -5.21  | -17.59 | -0.70 | 0.39   | 0.37   | 0.66    | 5950000 | 1850000  |
| 37.822372190 | 29.153818450 | -5.91  | -17.84 | -0.77 | 0.39   | 0.38   | 0.66    | 6000000 | 1850000  |
| 37.707941840 | 29.704828130 | -6.62  | -18.29 | -0.95 | 0.37   | 0.35   | 0.62    | 6050000 | 1850000  |
| 37.590337800 | 30.254245510 | -6.87  | -18.03 | -1.12 | 0.33   | 0.32   | 0.56    | 6100000 | 1850000  |
| 37.469574610 | 30.802039970 | -6.13  | -16.86 | -1.13 | 0.29   | 0.31   | 0.51    | 6150000 | 1850000  |
| 37.345667040 | 31.348182000 | -4.42  | -15.73 | -1.13 | 0.35   | 0.35   | 0.60    | 6200000 | 1850000  |
| 37.218630080 | 31.892643210 | -2.60  | -14.77 | -1.14 | 0.37   | 0.35   | 0.62    | 6250000 | 1850000  |
| 37.088478910 | 32.435396370 | -0.82  | -13.81 | -1.16 | 0.38   | 0.37   | 0.66    | 6300000 | 1850000  |
| 36.955228890 | 32.976415360 | 0.64   | -13.08 | -1.15 | 0.39   | 0.37   | 0.66    | 6350000 | 1850000  |
| 36.818895580 | 33.515675210 | 1.81   | -12.59 | -1.12 | 0.37   | 0.36   | 0.63    | 6400000 | 1850000  |
| 36.679494680 | 34.053152110 | 2.89   | -12.43 | -1.17 | 0.27   | 0.27   | 0.50    | 6450000 | 1850000  |
| 36.537042050 | 34.588823370 | 3.93   | -12.12 | -1.14 | 0.30   | 0.29   | 0.55    | 6500000 | 1850000  |
| 36.391553700 | 35.122667460 | 4.80   | -11.53 | -0.97 | 0.38   | 0.38   | 0.68    | 6550000 | 1850000  |
| 36.243045750 | 35.654663990 | 9.83   | -6.60  | -0.85 | 0.54   | 0.39   | 0.69    | 6600000 | 1850000  |
| 36.091534420 | 36.184793700 | 10.13  | -6.60  | -0.75 | 0.46   | 0.34   | 0.64    | 6650000 | 1850000  |
| 35.937036050 | 36.713038480 | 10.86  | -6.24  | -0.81 | 0.50   | 0.43   | 0.73    | 6700000 | 1850000  |
| 35.779567060 | 37.239381330 | 11.39  | -5.91  | -0.79 | 0.50   | 0.46   | 0.79    | 6750000 | 1850000  |
| 37.289058620 | -9.489250521 | 0.22   | -1.02  | -1.24 | 0.39   | 0.39   | 0.69    | 2600000 | 1800000  |
| 37.402136260 | -8.941167519 | 0.40   | -1.50  | -1.41 | 0.30   | 0.30   | 0.52    | 2650000 | 1800000  |
| 37.512043570 | -8.391571808 | 0.41   | -1.79  | -1.30 | 0.25   | 0.26   | 0.43    | 2700000 | 1800000  |
| 37.618766930 | -7.840495668 | 0.35   | -1.72  | -0.80 | 0.25   | 0.25   | 0.43    | 2750000 | 1800000  |
| 37.722293000 | -7.287972427 | 0.43   | -1.68  | -0.73 | 0.29   | 0.29   | 0.49    | 2800000 | 1800000  |
| 37.822608710 | -6.734036448 | 0.36   | -1.69  | -0.73 | 0.27   | 0.27   | 0.45    | 2850000 | 1800000  |
| 37.919701290 | -6.178723109 | 0.15   | -1.51  | -0.63 | 0.27   | 0.27   | 0.44    | 2900000 | 1800000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 38.013558240 | -5.622068797 | -0.06  | -1.36  | -0.57 | 0.26   | 0.26   | 0.44    | 2950000 | 1800000  |
| 38.104167390 | -5.064110880 | -0.06  | -1.35  | -0.58 | 0.28   | 0.28   | 0.46    | 3000000 | 1800000  |
| 38.191516880 | -4.504887694 | 0.02   | -1.33  | -0.72 | 0.27   | 0.27   | 0.45    | 3050000 | 1800000  |
| 38.275595210 | -3.944438524 | 0.04   | -1.31  | -0.86 | 0.28   | 0.29   | 0.47    | 3100000 | 1800000  |
| 38.356391180 | -3.382803578 | -0.31  | -1.41  | -0.94 | 0.30   | 0.31   | 0.50    | 3150000 | 1800000  |
| 38.433893980 | -2.820023964 | -0.52  | -1.32  | -0.90 | 0.31   | 0.32   | 0.52    | 3200000 | 1800000  |
| 38.508093160 | -2.256141671 | -0.49  | -1.04  | -0.76 | 0.33   | 0.33   | 0.54    | 3250000 | 1800000  |
| 38.578978630 | -1.691199535 | -0.31  | -0.88  | -0.70 | 0.29   | 0.29   | 0.48    | 3300000 | 1800000  |
| 38.646540690 | -1.125241221 | -0.13  | -0.83  | -0.69 | 0.26   | 0.26   | 0.42    | 3350000 | 1800000  |
| 38.710770050 | -0.558311185 | 0.05   | -0.71  | -0.68 | 0.23   | 0.23   | 0.39    | 3400000 | 1800000  |
| 38.771657810 | 0.009545348  | -0.05  | -0.46  | -0.83 | 0.21   | 0.21   | 0.37    | 3450000 | 1800000  |
| 38.829195500 | 0.578282421  | -0.03  | -0.42  | -1.07 | 0.33   | 0.33   | 0.55    | 3500000 | 1800000  |
| 38.883375050 | 1.147853371  | -0.03  | -0.40  | -1.37 | 0.27   | 0.27   | 0.44    | 3550000 | 1800000  |
| 38.934188850 | 1.718210871  | -0.03  | -0.33  | -1.47 | 0.28   | 0.28   | 0.45    | 3600000 | 1800000  |
| 38.981629700 | 2.289306957  | 0.01   | -0.21  | -1.34 | 0.36   | 0.36   | 0.60    | 3650000 | 1800000  |
| 39.025690870 | 2.861093066  | 0.00   | -0.15  | -1.22 | 0.32   | 0.32   | 0.54    | 3700000 | 1800000  |
| 39.066366070 | 3.433520076  | 0.04   | -0.10  | -1.11 | 0.35   | 0.35   | 0.59    | 3750000 | 1800000  |
| 39.269272990 | 8.029959106  | 0.14   | -0.51  | -0.95 | 0.33   | 0.36   | 0.62    | 4150000 | 1800000  |
| 39.279269380 | 8.605870350  | 0.10   | -0.64  | -0.77 | 0.18   | 0.24   | 0.40    | 4200000 | 1800000  |
| 39.285843120 | 9.181909080  | -0.08  | -0.48  | -0.95 | 0.17   | 0.17   | 0.29    | 4250000 | 1800000  |
| 39.288993260 | 9.758022656  | 0.02   | -0.29  | -1.50 | 0.25   | 0.27   | 0.47    | 4300000 | 1800000  |
| 39.163371250 | 14.937731210 | 2.05   | -0.20  | -2.27 | 0.35   | 0.35   | 0.61    | 4750000 | 1800000  |
| 39.132342410 | 15.511706060 | 2.36   | 0.15   | -1.97 | 0.32   | 0.32   | 0.56    | 4800000 | 1800000  |
| 39.097912280 | 16.085182260 | 2.88   | 0.52   | -1.25 | 0.24   | 0.25   | 0.46    | 4850000 | 1800000  |
| 39.060085820 | 16.658109270 | 3.07   | 1.58   | -0.53 | 0.22   | 0.22   | 0.42    | 4900000 | 1800000  |
| 39.018868460 | 17.230437060 | 2.58   | 2.08   | -0.39 | 0.26   | 0.27   | 0.52    | 4950000 | 1800000  |
| 38.820214930 | 19.512772770 | -0.12  | -2.08  | -0.75 | 0.41   | 0.42   | 0.74    | 5150000 | 1800000  |
| 38.762140680 | 20.081372070 | -8.91  | -7.58  | -0.74 | 0.41   | 0.38   | 0.64    | 5200000 | 1800000  |
| 38.700717680 | 20.649083440 | -13.18 | -7.19  | -0.72 | 0.23   | 0.21   | 0.44    | 5250000 | 1800000  |
| 38.635954480 | 21.215861020 | -7.17  | -10.85 | -1.00 | 0.21   | 0.22   | 0.43    | 5300000 | 1800000  |
| 38.567860040 | 21.781659710 | -15.76 | -11.22 | -1.14 | 0.28   | 0.30   | 0.45    | 5350000 | 1800000  |
| 38.496443720 | 22.346435180 | -15.64 | -11.60 | -0.75 | 0.25   | 0.27   | 0.46    | 5400000 | 1800000  |
| 38.421715270 | 22.910143900 | -18.04 | -11.05 | -0.23 | 0.27   | 0.29   | 0.49    | 5450000 | 1800000  |
| 38.343684850 | 23.472743170 | -25.21 | -15.53 | 0.07  | 0.25   | 0.49   | 0.44    | 5500000 | 1800000  |
| 38.262362960 | 24.034191130 | -25.08 | -15.46 | -0.28 | 0.28   | 0.50   | 0.43    | 5550000 | 1800000  |
| 38.177760490 | 24.594446820 | -26.31 | -16.58 | -0.66 | 0.32   | 0.52   | 0.53    | 5600000 | 1800000  |
| 38.089888670 | 25.153470180 | -26.06 | -17.68 | -0.63 | 0.39   | 0.54   | 0.62    | 5650000 | 1800000  |
| 37.998759060 | 25.711222070 | -24.89 | -18.44 | -0.43 | 0.42   | 0.52   | 0.62    | 5700000 | 1800000  |
| 37.904383590 | 26.267664310 | -24.15 | -18.98 | -0.38 | 0.42   | 0.48   | 0.54    | 5750000 | 1800000  |
| 37.806774460 | 26.822759690 | -23.91 | -19.45 | -0.53 | 0.42   | 0.45   | 0.53    | 5800000 | 1800000  |
| 37.705944230 | 27.376471990 | -22.49 | -20.18 | -0.80 | 0.51   | 0.47   | 0.59    | 5850000 | 1800000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 37.601905700 | 27.928765970 | -21.20 | -20.41 | -1.00 | 0.56   | 0.46   | 0.61    | 5900000 | 1800000  |
| 37.494672010 | 28.479607460 | -21.86 | -20.49 | -1.03 | 0.64   | 0.48   | 0.64    | 5950000 | 1800000  |
| 37.384256530 | 29.028963280 | -4.20  | -14.67 | -1.14 | 0.38   | 0.37   | 0.65    | 6000000 | 1800000  |
| 37.270672910 | 29.576801320 | -6.05  | -16.02 | -1.13 | 0.33   | 0.30   | 0.59    | 6050000 | 1800000  |
| 37.153935040 | 30.123090540 | -6.58  | -15.52 | -1.24 | 0.34   | 0.33   | 0.59    | 6100000 | 1800000  |
| 37.034057060 | 30.667800940 | -6.38  | -14.41 | -1.32 | 0.27   | 0.28   | 0.52    | 6150000 | 1800000  |
| 36.911053310 | 31.210903640 | -4.58  | -13.67 | -1.30 | 0.36   | 0.36   | 0.63    | 6200000 | 1800000  |
| 36.784938370 | 31.752370820 | -2.66  | -12.99 | -1.28 | 0.39   | 0.38   | 0.67    | 6250000 | 1800000  |
| 36.655726980 | 32.292175750 | -0.92  | -12.27 | -1.29 | 0.38   | 0.35   | 0.64    | 6300000 | 1800000  |
| 36.523434110 | 32.830292830 | 0.47   | -11.65 | -1.28 | 0.35   | 0.32   | 0.61    | 6350000 | 1800000  |
| 36.388074870 | 33.366697510 | 1.57   | -11.17 | -1.19 | 0.34   | 0.34   | 0.59    | 6400000 | 1800000  |
| 36.249664530 | 33.901366400 | 2.61   | -10.82 | -1.09 | 0.25   | 0.25   | 0.46    | 6450000 | 1800000  |
| 36.108218540 | 34.434277180 | 3.72   | -10.65 | -1.02 | 0.35   | 0.36   | 0.62    | 6500000 | 1800000  |
| 35.963752460 | 34.965408650 | 4.61   | -10.36 | -0.89 | 0.40   | 0.40   | 0.72    | 6550000 | 1800000  |
| 35.816281970 | 35.494740700 | 9.81   | -5.95  | -0.77 | 0.57   | 0.44   | 0.74    | 6600000 | 1800000  |
| 35.665822890 | 36.022254350 | 10.18  | -5.84  | -0.71 | 0.54   | 0.44   | 0.75    | 6650000 | 1800000  |
| 35.512391100 | 36.547931700 | 10.69  | -5.61  | -0.70 | 0.53   | 0.47   | 0.78    | 6700000 | 1800000  |
| 35.356002610 | 37.071755930 | 11.16  | -5.35  | -0.68 | 0.52   | 0.49   | 0.82    | 6750000 | 1800000  |
| 36.851128600 | -9.364010121 | 0.24   | -0.99  | -1.07 | 0.39   | 0.39   | 0.70    | 2600000 | 1750000  |
| 36.963377930 | -8.819056445 | 0.38   | -1.55  | -1.09 | 0.27   | 0.27   | 0.45    | 2650000 | 1750000  |
| 37.072476540 | -8.272631405 | 0.34   | -1.97  | -1.01 | 0.26   | 0.26   | 0.42    | 2700000 | 1750000  |
| 37.178411210 | -7.724766556 | 0.34   | -2.10  | -0.84 | 0.20   | 0.20   | 0.33    | 2750000 | 1750000  |
| 37.281168990 | -7.175494466 | 0.58   | -1.98  | -0.72 | 0.25   | 0.25   | 0.40    | 2800000 | 1750000  |
| 37.380737170 | -6.624848694 | 0.56   | -1.90  | -0.59 | 0.27   | 0.27   | 0.45    | 2850000 | 1750000  |
| 37.477103360 | -6.072863781 | 0.33   | -1.77  | -0.42 | 0.26   | 0.26   | 0.44    | 2900000 | 1750000  |
| 37.570255410 | -5.519575233 | 0.06   | -1.64  | -0.30 | 0.29   | 0.29   | 0.48    | 2950000 | 1750000  |
| 37.660181520 | -4.965019505 | -0.12  | -1.48  | -0.41 | 0.28   | 0.28   | 0.45    | 3000000 | 1750000  |
| 37.746870170 | -4.409233977 | -0.10  | -1.31  | -0.59 | 0.26   | 0.26   | 0.42    | 3050000 | 1750000  |
| 37.830310190 | -3.852256944 | 0.00   | -1.28  | -0.69 | 0.22   | 0.22   | 0.39    | 3100000 | 1750000  |
| 37.910490720 | -3.294127585 | -0.34  | -1.58  | -0.71 | 0.27   | 0.27   | 0.44    | 3150000 | 1750000  |
| 37.987401260 | -2.734885948 | -0.46  | -1.52  | -0.63 | 0.27   | 0.27   | 0.45    | 3200000 | 1750000  |
| 38.061031660 | -2.174572920 | -0.32  | -1.10  | -0.52 | 0.25   | 0.25   | 0.41    | 3250000 | 1750000  |
| 38.131372150 | -1.613230209 | 0.06   | -0.83  | -0.53 | 0.23   | 0.23   | 0.37    | 3300000 | 1750000  |
| 38.198413320 | -1.050900309 | 0.25   | -0.82  | -0.66 | 0.21   | 0.21   | 0.34    | 3350000 | 1750000  |
| 38.262146140 | -0.487626482 | 0.13   | -0.66  | -0.81 | 0.23   | 0.24   | 0.40    | 3400000 | 1750000  |
| 38.322562000 | 0.076547279  | 0.10   | -0.42  | -0.90 | 0.31   | 0.31   | 0.53    | 3450000 | 1750000  |
| 38.379652670 | 0.641576276  | 0.10   | -0.33  | -1.04 | 0.36   | 0.36   | 0.62    | 3500000 | 1750000  |
| 38.433410330 | 1.207415136  | 0.18   | -0.28  | -1.18 | 0.33   | 0.33   | 0.55    | 3550000 | 1750000  |
| 38.483827580 | 1.774017847  | 0.16   | -0.22  | -1.25 | 0.34   | 0.34   | 0.58    | 3600000 | 1750000  |
| 38.816275960 | 8.043365425  | 0.15   | -0.38  | -0.95 | 0.36   | 0.38   | 0.67    | 4150000 | 1750000  |
| 38.826193160 | 8.615360329  | 0.14   | -0.43  | -0.97 | 0.30   | 0.33   | 0.56    | 4200000 | 1750000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 38.832714810 | 9.187478984  | 0.11   | -0.31  | -1.09 | 0.31   | 0.32   | 0.55    | 4250000 | 1750000  |
| 38.835839970 | 9.759670291  | 0.21   | -0.25  | -1.34 | 0.35   | 0.35   | 0.63    | 4300000 | 1750000  |
| 38.800519960 | 12.619926340 | 1.41   | -0.61  | -1.22 | 0.36   | 0.38   | 0.68    | 4550000 | 1750000  |
| 38.783273850 | 13.191480090 | 1.70   | -0.63  | -1.37 | 0.19   | 0.31   | 0.58    | 4600000 | 1750000  |
| 38.762638310 | 13.762749500 | 2.23   | -0.72  | -1.57 | 0.33   | 0.35   | 0.63    | 4650000 | 1750000  |
| 38.738616280 | 14.333684150 | 2.74   | -0.74  | -2.16 | 0.30   | 0.30   | 0.56    | 4700000 | 1750000  |
| 38.711211170 | 14.904233930 | 3.04   | -0.40  | -2.76 | 0.24   | 0.24   | 0.45    | 4750000 | 1750000  |
| 38.680426870 | 15.474349020 | 3.02   | 0.16   | -2.18 | 0.26   | 0.27   | 0.49    | 4800000 | 1750000  |
| 38.646267710 | 16.043979990 | 2.98   | 0.70   | -1.18 | 0.25   | 0.26   | 0.48    | 4850000 | 1750000  |
| 38.608738510 | 16.613077750 | 2.94   | 1.48   | -0.58 | 0.24   | 0.25   | 0.48    | 4900000 | 1750000  |
| 38.567844530 | 17.181593690 | 2.18   | 1.42   | -0.49 | 0.35   | 0.35   | 0.63    | 4950000 | 1750000  |
| 38.313118710 | 20.013779160 | -8.43  | -9.94  | -0.86 | 0.43   | 0.39   | 0.68    | 5200000 | 1750000  |
| 38.252171570 | 20.577811920 | -11.96 | -9.19  | -1.08 | 0.31   | 0.29   | 0.53    | 5250000 | 1750000  |
| 38.187908820 | 21.140937660 | -16.28 | -11.26 | -1.34 | 0.29   | 0.30   | 0.48    | 5300000 | 1750000  |
| 38.120339150 | 21.703112500 | -15.41 | -13.92 | -1.54 | 0.25   | 0.27   | 0.44    | 5350000 | 1750000  |
| 38.049471630 | 22.264293290 | -26.59 | -16.83 | -1.18 | 0.33   | 0.47   | 0.46    | 5400000 | 1750000  |
| 37.975315740 | 22.824437680 | -26.53 | -15.55 | -0.61 | 0.30   | 0.44   | 0.43    | 5450000 | 1750000  |
| 37.897881310 | 23.383504080 | -26.51 | -16.23 | -0.38 | 0.30   | 0.47   | 0.48    | 5500000 | 1750000  |
| 37.817178550 | 23.941451730 | -27.19 | -16.94 | -0.51 | 0.25   | 0.44   | 0.43    | 5550000 | 1750000  |
| 37.733218010 | 24.498240740 | -27.61 | -17.38 | -0.83 | 0.30   | 0.47   | 0.54    | 5600000 | 1750000  |
| 37.646010610 | 25.053832050 | -26.78 | -17.69 | -0.60 | 0.34   | 0.47   | 0.60    | 5650000 | 1750000  |
| 37.555567570 | 25.608187510 | -25.80 | -17.99 | -0.04 | 0.41   | 0.47   | 0.58    | 5700000 | 1750000  |
| 37.461900450 | 26.161269910 | -25.72 | -18.20 | 0.18  | 0.43   | 0.43   | 0.50    | 5750000 | 1750000  |
| 37.365021120 | 26.713042920 | -25.70 | -18.37 | -0.18 | 0.46   | 0.44   | 0.58    | 5800000 | 1750000  |
| 37.264941760 | 27.263471200 | -24.83 | -18.46 | -0.71 | 0.46   | 0.39   | 0.55    | 5850000 | 1750000  |
| 37.161674820 | 27.812520360 | -23.53 | -17.77 | -1.06 | 0.56   | 0.44   | 0.62    | 5900000 | 1750000  |
| 37.055233030 | 28.360157000 | -21.69 | -17.37 | -1.28 | 0.61   | 0.43   | 0.60    | 5950000 | 1750000  |
| 36.945629420 | 28.906348710 | -20.28 | -17.33 | -1.63 | 0.66   | 0.42   | 0.56    | 6000000 | 1750000  |
| 36.832877220 | 29.451064110 | -2.32  | -11.34 | -1.71 | 0.32   | 0.31   | 0.54    | 6050000 | 1750000  |
| 36.716989950 | 29.994272810 | -4.97  | -12.20 | -1.60 | 0.35   | 0.34   | 0.61    | 6100000 | 1750000  |
| 36.597981340 | 30.535945480 | -5.64  | -12.04 | -1.56 | 0.33   | 0.32   | 0.62    | 6150000 | 1750000  |
| 36.475865330 | 31.076053820 | -4.26  | -11.78 | -1.44 | 0.39   | 0.38   | 0.69    | 6200000 | 1750000  |
| 36.350656080 | 31.614570560 | -2.58  | -11.37 | -1.36 | 0.41   | 0.41   | 0.73    | 6250000 | 1750000  |
| 36.222367960 | 32.151469520 | -1.07  | -10.83 | -1.35 | 0.40   | 0.39   | 0.70    | 6300000 | 1750000  |
| 36.091015490 | 32.686725560 | 0.20   | -10.25 | -1.35 | 0.30   | 0.30   | 0.60    | 6350000 | 1750000  |
| 35.956613370 | 33.220314600 | 1.48   | -9.64  | -1.22 | 0.33   | 0.33   | 0.60    | 6400000 | 1750000  |
| 35.819176490 | 33.752213640 | 2.73   | -9.26  | -1.02 | 0.36   | 0.36   | 0.62    | 6450000 | 1750000  |
| 35.678719840 | 34.282400730 | 3.78   | -9.13  | -0.87 | 0.38   | 0.38   | 0.67    | 6500000 | 1750000  |
| 35.535258580 | 34.810855020 | 4.58   | -9.08  | -0.78 | 0.41   | 0.41   | 0.74    | 6550000 | 1750000  |
| 35.388807970 | 35.337556700 | 9.87   | -5.23  | -0.70 | 0.59   | 0.48   | 0.77    | 6600000 | 1750000  |
| 35.239383400 | 35.862487030 | 10.24  | -5.16  | -0.65 | 0.57   | 0.48   | 0.79    | 6650000 | 1750000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 35.087000350 | 36.385628350 | 8.63   | -5.67  | -0.62 | 0.62   | 1.11   | 0.81    | 6700000 | 1750000  |
| 36.524110040 | -8.699126639 | 0.27   | -1.24  | -0.94 | 0.39   | 0.39   | 0.68    | 2650000 | 1700000  |
| 36.632414600 | -8.155822624 | 0.30   | -1.61  | -0.89 | 0.37   | 0.37   | 0.63    | 2700000 | 1700000  |
| 36.737574930 | -7.611118166 | 0.36   | -1.89  | -0.81 | 0.35   | 0.35   | 0.59    | 2750000 | 1700000  |
| 36.839578460 | -7.065045085 | 0.52   | -2.07  | -0.70 | 0.33   | 0.33   | 0.55    | 2800000 | 1700000  |
| 36.938412840 | -6.517636156 | 0.60   | -2.21  | -0.49 | 0.29   | 0.29   | 0.48    | 2850000 | 1700000  |
| 37.034066030 | -5.968925099 | 0.53   | -2.23  | -0.13 | 0.24   | 0.24   | 0.39    | 2900000 | 1700000  |
| 37.126526250 | -5.418946563 | 0.19   | -2.23  | 0.11  | 0.22   | 0.22   | 0.36    | 2950000 | 1700000  |
| 37.215782020 | -4.867736106 | -0.23  | -2.07  | -0.19 | 0.27   | 0.27   | 0.44    | 3000000 | 1700000  |
| 37.301822170 | -4.315330182 | -0.43  | -1.85  | -0.53 | 0.28   | 0.28   | 0.48    | 3050000 | 1700000  |
| 37.384635840 | -3.761766118 | -0.48  | -1.85  | -0.53 | 0.28   | 0.28   | 0.50    | 3100000 | 1700000  |
| 37.464212500 | -3.207082094 | -0.47  | -1.85  | -0.43 | 0.29   | 0.29   | 0.51    | 3150000 | 1700000  |
| 37.540541960 | -2.651317123 | -0.35  | -1.66  | -0.26 | 0.27   | 0.27   | 0.45    | 3200000 | 1700000  |
| 37.613614370 | -2.094511026 | 0.06   | -1.19  | -0.25 | 0.28   | 0.28   | 0.45    | 3250000 | 1700000  |
| 37.683420240 | -1.536704410 | 0.62   | -0.90  | -0.45 | 0.26   | 0.26   | 0.43    | 3300000 | 1700000  |
| 37.749950450 | -0.977938638 | 0.88   | -0.92  | -0.86 | 0.19   | 0.19   | 0.32    | 3350000 | 1700000  |
| 37.813196240 | -0.418255808 | 0.44   | -0.68  | -1.01 | 0.28   | 0.28   | 0.47    | 3400000 | 1700000  |
| 37.873149240 | 0.142301278  | 0.26   | -0.43  | -0.98 | 0.37   | 0.37   | 0.65    | 3450000 | 1700000  |
| 38.361150870 | 12.034371850 | 1.46   | -0.74  | -1.14 | 0.38   | 0.38   | 0.68    | 4500000 | 1700000  |
| 38.347405040 | 12.602323060 | 2.18   | -0.99  | -1.10 | 0.31   | 0.32   | 0.56    | 4550000 | 1700000  |
| 38.330293780 | 13.170047350 | 2.82   | -1.04  | -0.88 | 0.26   | 0.28   | 0.49    | 4600000 | 1700000  |
| 38.309819460 | 13.737495570 | 3.14   | -1.01  | -1.01 | 0.31   | 0.32   | 0.54    | 4650000 | 1700000  |
| 38.285984940 | 14.304618760 | 4.05   | -0.99  | -1.42 | 0.29   | 0.29   | 0.52    | 4700000 | 1700000  |
| 38.258793530 | 14.871368260 | 5.35   | -0.62  | -1.53 | 0.24   | 0.24   | 0.45    | 4750000 | 1700000  |
| 38.228248970 | 15.437695690 | 4.34   | 0.16   | -1.21 | 0.21   | 0.24   | 0.45    | 4800000 | 1700000  |
| 38.194355500 | 16.003553010 | 2.49   | 0.77   | -0.85 | 0.22   | 0.25   | 0.49    | 4850000 | 1700000  |
| 38.157117770 | 16.568892570 | 2.20   | 1.03   | -0.64 | 0.30   | 0.30   | 0.58    | 4900000 | 1700000  |
| 37.863778370 | 19.947444820 | -7.95  | -13.00 | -0.90 | 0.45   | 0.42   | 0.73    | 5200000 | 1700000  |
| 37.803297970 | 20.507864930 | -11.87 | -12.47 | -1.04 | 0.37   | 0.35   | 0.60    | 5250000 | 1700000  |
| 37.739526100 | 21.067403890 | -14.89 | -14.03 | -1.25 | 0.29   | 0.29   | 0.47    | 5300000 | 1700000  |
| 37.672471190 | 21.626019010 | -28.42 | -18.15 | -1.54 | 0.36   | 0.44   | 0.44    | 5350000 | 1700000  |
| 37.602142050 | 22.183668300 | -26.47 | -17.81 | -1.65 | 0.33   | 0.43   | 0.45    | 5400000 | 1700000  |
| 37.528547870 | 22.740310530 | -27.38 | -16.84 | -1.53 | 0.29   | 0.42   | 0.45    | 5450000 | 1700000  |
| 37.451698180 | 23.295905200 | -28.10 | -17.44 | -1.16 | 0.25   | 0.41   | 0.49    | 5500000 | 1700000  |
| 37.371602910 | 23.850412630 | -27.99 | -17.56 | -0.88 | 0.32   | 0.45   | 0.57    | 5550000 | 1700000  |
| 37.288272280 | 24.403793940 | -27.51 | -17.51 | -0.75 | 0.34   | 0.45   | 0.60    | 5600000 | 1700000  |
| 37.201716900 | 24.956011070 | -26.78 | -17.54 | -0.28 | 0.31   | 0.42   | 0.59    | 5650000 | 1700000  |
| 37.111947660 | 25.507026850 | -26.14 | -17.68 | 0.53  | 0.34   | 0.42   | 0.52    | 5700000 | 1700000  |
| 37.018975790 | 26.056804950 | -27.23 | -17.53 | 0.79  | 0.42   | 0.44   | 0.55    | 5750000 | 1700000  |
| 36.922812810 | 26.605309970 | -28.18 | -17.06 | 0.24  | 0.44   | 0.42   | 0.61    | 5800000 | 1700000  |
| 36.823470540 | 27.152507410 | -28.22 | -16.17 | -0.53 | 0.47   | 0.39   | 0.59    | 5850000 | 1700000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 36.720961090 | 27.698363690 | -26.99 | -14.59 | -1.21 | 0.52   | 0.36   | 0.56    | 5900000 | 1700000  |
| 36.615296830 | 28.242846190 | -23.66 | -13.59 | -1.44 | 0.59   | 0.39   | 0.59    | 5950000 | 1700000  |
| 36.506490390 | 28.785923250 | -20.07 | -14.04 | -1.86 | 0.63   | 0.38   | 0.53    | 6000000 | 1700000  |
| 36.394554650 | 29.327564170 | -20.17 | -15.66 | -1.99 | 0.69   | 0.38   | 0.55    | 6050000 | 1700000  |
| 36.279502740 | 29.867739250 | -4.07  | -9.47  | -1.79 | 0.36   | 0.34   | 0.64    | 6100000 | 1700000  |
| 36.161348000 | 30.406419780 | -4.78  | -10.10 | -1.63 | 0.38   | 0.36   | 0.69    | 6150000 | 1700000  |
| 36.040103990 | 30.943578050 | -3.73  | -10.21 | -1.47 | 0.42   | 0.41   | 0.75    | 6200000 | 1700000  |
| 35.788403440 | 32.013222030 | -1.11  | -9.49  | -1.37 | 0.41   | 0.41   | 0.75    | 6300000 | 1700000  |
| 35.657974980 | 32.545657410 | 0.15   | -8.77  | -1.38 | 0.37   | 0.38   | 0.68    | 6350000 | 1700000  |
| 35.524513420 | 33.076469860 | 1.51   | -7.90  | -1.28 | 0.33   | 0.34   | 0.58    | 6400000 | 1700000  |
| 35.388033210 | 33.605636790 | 3.02   | -7.60  | -0.89 | 0.30   | 0.30   | 0.53    | 6450000 | 1700000  |
| 35.248548970 | 34.133136640 | 4.05   | -7.64  | -0.72 | 0.32   | 0.32   | 0.61    | 6500000 | 1700000  |
| 35.106075430 | 34.658948870 | 4.56   | -7.89  | -0.67 | 0.40   | 0.40   | 0.73    | 6550000 | 1700000  |
| 34.812220030 | 35.705433520 | 8.42   | -5.28  | -0.57 | 0.47   | 1.00   | 0.78    | 6650000 | 1700000  |
| 36.397519660 | -6.956577245 | 0.42   | -2.17  | -0.72 | 0.37   | 0.38   | 0.65    | 2800000 | 1650000  |
| 36.495633660 | -6.412352794 | 0.48   | -2.77  | -0.62 | 0.25   | 0.26   | 0.44    | 2850000 | 1650000  |
| 36.590586940 | -5.866862070 | 0.50   | -3.06  | -0.27 | 0.27   | 0.28   | 0.46    | 2900000 | 1650000  |
| 36.682368070 | -5.320138884 | 0.21   | -3.09  | 0.14  | 0.24   | 0.24   | 0.40    | 2950000 | 1650000  |
| 36.770965900 | -4.772217922 | -0.50  | -2.99  | -0.34 | 0.25   | 0.26   | 0.43    | 3000000 | 1650000  |
| 36.856369590 | -4.223134732 | -1.02  | -2.84  | -0.88 | 0.26   | 0.27   | 0.44    | 3050000 | 1650000  |
| 36.938568600 | -3.672925699 | -1.13  | -2.64  | -0.83 | 0.25   | 0.25   | 0.45    | 3100000 | 1650000  |
| 37.017552690 | -3.121628031 | -0.72  | -2.23  | -0.68 | 0.30   | 0.30   | 0.51    | 3150000 | 1650000  |
| 37.093311990 | -2.569279735 | -0.33  | -1.78  | -0.42 | 0.23   | 0.23   | 0.38    | 3200000 | 1650000  |
| 37.165836920 | -2.015919594 | 0.24   | -1.24  | -0.39 | 0.28   | 0.28   | 0.47    | 3250000 | 1650000  |
| 37.235118280 | -1.461587145 | 0.72   | -0.92  | -0.58 | 0.32   | 0.32   | 0.55    | 3300000 | 1650000  |
| 37.301147210 | -0.906322654 | 0.95   | -0.77  | -0.90 | 0.32   | 0.32   | 0.55    | 3350000 | 1650000  |
| 37.363915230 | -0.350167090 | 0.63   | -0.58  | -1.01 | 0.36   | 0.36   | 0.62    | 3400000 | 1650000  |
| 37.907678870 | 12.020863620 | 1.69   | -0.92  | -1.11 | 0.36   | 0.36   | 0.65    | 4500000 | 1650000  |
| 37.894039320 | 12.585050540 | 2.66   | -1.37  | -1.06 | 0.21   | 0.21   | 0.40    | 4550000 | 1650000  |
| 37.877060270 | 13.149017120 | 2.97   | -1.41  | -0.68 | 0.23   | 0.23   | 0.41    | 4600000 | 1650000  |
| 37.856744030 | 13.712715610 | 3.03   | -1.30  | -0.53 | 0.28   | 0.28   | 0.48    | 4650000 | 1650000  |
| 37.833093370 | 14.276098470 | 4.02   | -1.23  | -0.65 | 0.30   | 0.30   | 0.53    | 4700000 | 1650000  |
| 37.806111490 | 14.839118430 | 5.04   | -0.86  | -0.78 | 0.29   | 0.29   | 0.51    | 4750000 | 1650000  |
| 37.775802040 | 15.401728510 | 4.13   | -0.12  | -0.83 | 0.26   | 0.29   | 0.52    | 4800000 | 1650000  |
| 37.742169100 | 15.963882030 | 2.29   | 0.37   | -0.87 | 0.29   | 0.32   | 0.59    | 4850000 | 1650000  |
| 37.705217200 | 16.525532690 | 1.71   | 0.48   | -0.78 | 0.37   | 0.37   | 0.69    | 4900000 | 1650000  |
| 37.354091820 | 20.439210150 | -31.10 | -15.89 | -0.97 | 0.56   | 0.50   | 0.70    | 5250000 | 1650000  |
| 37.290801500 | 20.995225930 | -30.49 | -17.67 | -1.14 | 0.49   | 0.46   | 0.61    | 5300000 | 1650000  |
| 37.224251600 | 21.550344020 | -28.38 | -20.70 | -1.39 | 0.40   | 0.42   | 0.49    | 5350000 | 1650000  |
| 37.154450660 | 22.104523590 | -27.35 | -20.96 | -1.63 | 0.31   | 0.37   | 0.39    | 5400000 | 1650000  |
| 37.081407600 | 22.657724480 | -28.15 | -18.66 | -1.78 | 0.31   | 0.39   | 0.46    | 5450000 | 1650000  |



| #Latitude    | Longitude    | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|--------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 37.005131690 | 23.209907260 | -28.25 | -17.62 | -1.55 | 0.31   | 0.40   | 0.51    | 5500000 | 1650000  |
| 36.925632540 | 23.761033280 | -27.70 | -17.46 | -1.03 | 0.36   | 0.44   | 0.61    | 5550000 | 1650000  |
| 36.842920090 | 24.311064650 | -27.12 | -17.41 | -0.74 | 0.28   | 0.37   | 0.57    | 5600000 | 1650000  |
| 36.757004620 | 24.859964310 | -27.30 | -17.61 | 0.03  | 0.33   | 0.39   | 0.58    | 5650000 | 1650000  |
| 36.667896720 | 25.407696000 | -28.26 | -17.80 | 1.04  | 0.35   | 0.38   | 0.53    | 5700000 | 1650000  |
| 36.575607290 | 25.954224300 | -28.99 | -17.01 | 1.06  | 0.39   | 0.40   | 0.57    | 5750000 | 1650000  |
| 36.480147520 | 26.499514670 | -29.89 | -15.69 | 0.37  | 0.41   | 0.37   | 0.62    | 5800000 | 1650000  |
| 36.381528890 | 27.043533440 | -30.04 | -14.07 | -0.58 | 0.48   | 0.37   | 0.58    | 5850000 | 1650000  |
| 36.279763150 | 27.586247830 | -29.53 | -11.66 | -1.12 | 0.50   | 0.33   | 0.51    | 5900000 | 1650000  |
| 36.174862330 | 28.127626000 | -26.45 | -10.54 | -1.34 | 0.54   | 0.32   | 0.55    | 5950000 | 1650000  |
| 36.066838710 | 28.667636990 | -23.52 | -13.04 | -1.63 | 0.65   | 0.40   | 0.65    | 6000000 | 1650000  |
| 35.955704800 | 29.206250820 | -22.77 | -15.20 | -1.73 | 0.72   | 0.43   | 0.70    | 6050000 | 1650000  |
| 35.841473350 | 29.743438420 | -4.13  | -8.03  | -1.65 | 0.42   | 0.40   | 0.74    | 6100000 | 1650000  |
| 35.724157330 | 30.279171710 | -4.11  | -8.75  | -1.53 | 0.42   | 0.41   | 0.77    | 6150000 | 1650000  |
| 35.353834730 | 31.877379340 | -1.14  | -8.38  | -1.33 | 0.43   | 0.43   | 0.78    | 6300000 | 1650000  |
| 35.224314240 | 32.407033920 | 0.05   | -7.63  | -1.37 | 0.40   | 0.40   | 0.72    | 6350000 | 1650000  |
| 35.091776990 | 32.935108380 | 1.35   | -6.61  | -1.38 | 0.30   | 0.32   | 0.57    | 6400000 | 1650000  |
| 34.956237040 | 33.461580540 | 2.86   | -6.71  | -0.85 | 0.28   | 0.29   | 0.50    | 6450000 | 1650000  |
| 34.817708610 | 33.986429200 | 3.74   | -6.79  | -0.68 | 0.35   | 0.35   | 0.65    | 6500000 | 1650000  |
| 34.676206050 | 34.509634170 | 4.34   | -6.96  | -0.61 | 0.41   | 0.41   | 0.74    | 6550000 | 1650000  |
| 36.052397350 | -6.308954064 | 0.46   | -3.15  | -0.69 | 0.34   | 0.34   | 0.59    | 2850000 | 1600000  |
| 36.146663510 | -5.766631169 | 0.61   | -4.05  | -0.58 | 0.25   | 0.26   | 0.42    | 2900000 | 1600000  |
| 36.237778010 | -5.223109737 | 0.38   | -3.89  | -0.37 | 0.25   | 0.27   | 0.43    | 2950000 | 1600000  |
| 36.325730020 | -4.678423603 | -0.24  | -3.43  | -0.65 | 0.32   | 0.33   | 0.55    | 3000000 | 1600000  |
| 36.410509020 | -4.132607429 | -0.64  | -3.13  | -1.06 | 0.33   | 0.33   | 0.55    | 3050000 | 1600000  |
| 36.492104770 | -3.585696686 | -0.74  | -2.95  | -1.23 | 0.30   | 0.30   | 0.50    | 3100000 | 1600000  |
| 36.570507330 | -3.037727634 | -0.28  | -2.46  | -1.19 | 0.32   | 0.32   | 0.53    | 3150000 | 1600000  |
| 36.645707110 | -2.488737299 | 0.16   | -1.78  | -1.04 | 0.28   | 0.28   | 0.46    | 3200000 | 1600000  |
| 36.717694830 | -1.938763458 | 0.39   | -1.25  | -0.83 | 0.35   | 0.35   | 0.59    | 3250000 | 1600000  |
| 36.786461540 | -1.387844608 | 0.56   | -0.88  | -0.80 | 0.39   | 0.39   | 0.68    | 3300000 | 1600000  |
| 37.453950930 | 12.007607760 | 1.55   | -0.95  | -1.08 | 0.39   | 0.39   | 0.71    | 4500000 | 1600000  |
| 37.440415600 | 12.568100580 | 2.17   | -1.34  | -1.04 | 0.32   | 0.32   | 0.60    | 4550000 | 1600000  |
| 37.423566200 | 13.128379400 | 2.47   | -1.73  | -1.04 | 0.24   | 0.25   | 0.47    | 4600000 | 1600000  |
| 37.403404980 | 13.688397850 | 2.99   | -2.03  | -0.71 | 0.20   | 0.21   | 0.40    | 4650000 | 1600000  |
| 37.379934620 | 14.248109760 | 3.17   | -1.76  | -0.68 | 0.25   | 0.26   | 0.45    | 4700000 | 1600000  |
| 37.353158230 | 14.807469210 | 3.84   | -1.53  | -1.06 | 0.26   | 0.27   | 0.46    | 4750000 | 1600000  |
| 37.323079330 | 15.366430530 | 3.77   | -0.87  | -1.14 | 0.29   | 0.31   | 0.54    | 4800000 | 1600000  |
| 36.841730090 | 20.924371130 | -29.70 | -19.01 | -0.96 | 0.52   | 0.47   | 0.69    | 5300000 | 1600000  |
| 36.775675670 | 21.476053520 | -29.15 | -22.16 | -1.03 | 0.40   | 0.38   | 0.52    | 5350000 | 1600000  |
| 36.706393010 | 22.026823790 | -28.35 | -22.13 | -0.83 | 0.35   | 0.37   | 0.45    | 5400000 | 1600000  |
| 36.633890760 | 22.576642830 | -27.79 | -19.51 | -0.74 | 0.30   | 0.36   | 0.41    | 5450000 | 1600000  |



| #Latitude    | Longitude     | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 36.558177900 | 23.125472280  | -27.41 | -17.40 | -0.95 | 0.26   | 0.32   | 0.42    | 5500000 | 1600000  |
| 36.479263770 | 23.673274480  | -27.27 | -17.31 | -0.71 | 0.36   | 0.41   | 0.60    | 5550000 | 1600000  |
| 36.397158030 | 24.220012500  | -27.26 | -17.38 | -0.49 | 0.35   | 0.40   | 0.62    | 5600000 | 1600000  |
| 36.311870660 | 24.765650230  | -27.90 | -17.61 | 0.04  | 0.36   | 0.40   | 0.61    | 5650000 | 1600000  |
| 36.223411930 | 25.310152320  | -29.26 | -17.76 | 0.74  | 0.34   | 0.35   | 0.55    | 5700000 | 1600000  |
| 36.131792430 | 25.853484240  | -29.42 | -16.80 | 0.38  | 0.42   | 0.40   | 0.63    | 5750000 | 1600000  |
| 36.037023030 | 26.395612290  | -29.81 | -15.37 | -0.29 | 0.46   | 0.41   | 0.66    | 5800000 | 1600000  |
| 35.939114880 | 26.936503600  | -30.49 | -13.41 | -0.98 | 0.49   | 0.38   | 0.61    | 5850000 | 1600000  |
| 35.838079400 | 27.476126200  | -30.62 | -11.18 | -1.31 | 0.50   | 0.33   | 0.55    | 5900000 | 1600000  |
| 35.733928270 | 28.014448960  | -28.36 | -11.33 | -1.37 | 0.57   | 0.37   | 0.63    | 5950000 | 1600000  |
| 35.626673430 | 28.551441660  | -25.60 | -13.54 | -1.47 | 0.66   | 0.43   | 0.72    | 6000000 | 1600000  |
| 34.918662850 | 31.743889160  | -1.23  | -7.52  | -1.22 | 0.44   | 0.44   | 0.81    | 6300000 | 1600000  |
| 34.790034610 | 32.270802300  | -0.13  | -7.00  | -1.20 | 0.42   | 0.43   | 0.77    | 6350000 | 1600000  |
| 34.658405760 | 32.796176910  | 1.03   | -6.50  | -1.10 | 0.40   | 0.41   | 0.72    | 6400000 | 1600000  |
| 34.523789980 | 33.319991200  | 2.17   | -6.32  | -0.87 | 0.40   | 0.40   | 0.71    | 6450000 | 1600000  |
| 34.386201110 | 33.842224360  | 3.11   | -6.28  | -0.69 | 0.41   | 0.41   | 0.74    | 6500000 | 1600000  |
| 32.781638670 | -17.719150630 | 0.28   | -2.35  | -0.93 | 0.40   | 0.39   | 0.72    | 1750000 | 1550000  |
| 32.941014800 | -17.212172740 | 0.37   | -3.59  | -1.00 | 0.32   | 0.31   | 0.58    | 1800000 | 1550000  |
| 33.097542190 | -16.703527080 | 0.42   | -3.65  | -0.95 | 0.34   | 0.34   | 0.62    | 1850000 | 1550000  |
| 33.251206670 | -16.193226770 | 0.28   | -2.94  | -0.89 | 0.37   | 0.36   | 0.71    | 1900000 | 1550000  |
| 35.511989230 | -6.745405585  | 0.39   | -2.43  | -0.73 | 0.42   | 0.42   | 0.74    | 2800000 | 1550000  |
| 35.608701460 | -6.207396864  | 0.43   | -3.34  | -0.70 | 0.38   | 0.38   | 0.65    | 2850000 | 1550000  |
| 35.702292990 | -5.668190289  | 0.46   | -4.61  | -0.66 | 0.28   | 0.28   | 0.46    | 2900000 | 1550000  |
| 35.792753030 | -5.127818052  | 0.34   | -4.54  | -0.63 | 0.25   | 0.26   | 0.43    | 2950000 | 1550000  |
| 35.880071070 | -4.586313157  | 0.16   | -3.56  | -0.82 | 0.37   | 0.37   | 0.62    | 3000000 | 1550000  |
| 37.010102050 | 11.437568220  | 0.95   | -0.66  | -1.08 | 0.43   | 0.43   | 0.81    | 4450000 | 1550000  |
| 36.999959780 | 11.994598050  | 1.39   | -0.95  | -1.12 | 0.42   | 0.42   | 0.76    | 4500000 | 1550000  |
| 36.986526640 | 12.551465240  | 1.87   | -1.31  | -1.15 | 0.39   | 0.39   | 0.71    | 4550000 | 1550000  |
| 36.969804400 | 13.108124560  | 2.35   | -1.69  | -1.16 | 0.36   | 0.36   | 0.64    | 4600000 | 1550000  |
| 36.949795220 | 13.664530970  | 2.87   | -1.99  | -1.13 | 0.33   | 0.33   | 0.58    | 4650000 | 1550000  |
| 36.926501690 | 14.220639620  | 3.19   | -1.98  | -1.28 | 0.31   | 0.31   | 0.53    | 4700000 | 1550000  |
| 36.899926830 | 14.776405890  | 3.85   | -1.91  | -1.68 | 0.18   | 0.18   | 0.31    | 4750000 | 1550000  |
| 36.870074080 | 15.331785410  | 3.76   | -1.33  | -1.47 | 0.26   | 0.27   | 0.48    | 4800000 | 1550000  |
| 36.326738610 | 21.403114620  | -28.80 | -20.03 | -0.64 | 0.49   | 0.44   | 0.69    | 5350000 | 1550000  |
| 36.257964530 | 21.950534690  | -28.13 | -20.21 | -0.32 | 0.43   | 0.42   | 0.62    | 5400000 | 1550000  |
| 36.185993000 | 22.497030140  | -27.39 | -19.03 | -0.05 | 0.37   | 0.39   | 0.55    | 5450000 | 1550000  |
| 36.110832740 | 23.042563580  | -26.84 | -17.67 | -0.05 | 0.31   | 0.34   | 0.51    | 5500000 | 1550000  |
| 36.032492810 | 23.587098330  | -26.93 | -17.30 | -0.27 | 0.36   | 0.40   | 0.59    | 5550000 | 1550000  |
| 35.950982580 | 24.130598430  | -27.26 | -17.24 | -0.38 | 0.36   | 0.39   | 0.60    | 5600000 | 1550000  |
| 35.866311750 | 24.673028670  | -27.69 | -17.38 | -0.35 | 0.37   | 0.39   | 0.61    | 5650000 | 1550000  |
| 35.778490300 | 25.214354590  | -28.26 | -17.27 | -0.41 | 0.38   | 0.38   | 0.61    | 5700000 | 1550000  |



| #Latitude    | Longitude     | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 35.687528510 | 25.754542520  | -28.66 | -16.60 | -0.74 | 0.41   | 0.39   | 0.62    | 5750000 | 1550000  |
| 35.593436930 | 26.293559580  | -29.12 | -15.57 | -1.10 | 0.44   | 0.39   | 0.64    | 5800000 | 1550000  |
| 35.496226410 | 26.831373710  | -30.02 | -13.93 | -1.48 | 0.46   | 0.35   | 0.59    | 5850000 | 1550000  |
| 35.395908030 | 27.367953690  | -29.89 | -12.86 | -1.62 | 0.50   | 0.34   | 0.59    | 5900000 | 1550000  |
| 34.355137130 | 32.136911330  | -0.37  | -6.44  | -1.04 | 0.44   | 0.44   | 0.82    | 6350000 | 1550000  |
| 34.224401110 | 32.659623750  | 0.66   | -6.11  | -0.94 | 0.44   | 0.44   | 0.80    | 6400000 | 1550000  |
| 34.090693730 | 33.180816680  | 1.65   | -5.88  | -0.80 | 0.43   | 0.44   | 0.79    | 6450000 | 1550000  |
| 32.356400980 | -17.561261570 | 0.36   | -2.43  | -0.93 | 0.39   | 0.39   | 0.70    | 1750000 | 1500000  |
| 32.514763870 | -17.056505330 | 0.68   | -3.98  | -0.98 | 0.27   | 0.27   | 0.45    | 1800000 | 1500000  |
| 32.670290200 | -16.550123300 | 0.61   | -3.89  | -0.96 | 0.31   | 0.31   | 0.54    | 1850000 | 1500000  |
| 32.822966130 | -16.042128440 | 0.35   | -2.85  | -0.90 | 0.39   | 0.38   | 0.71    | 1900000 | 1500000  |
| 35.164543360 | -6.107639477  | 0.42   | -3.21  | -0.68 | 0.40   | 0.40   | 0.69    | 2850000 | 1500000  |
| 35.257472470 | -5.571498682  | 0.35   | -4.06  | -0.64 | 0.34   | 0.34   | 0.57    | 2900000 | 1500000  |
| 35.347289950 | -5.034224092  | 0.33   | -4.06  | -0.69 | 0.33   | 0.34   | 0.57    | 2950000 | 1500000  |
| 35.433985560 | -4.495847899  | 0.41   | -3.30  | -0.87 | 0.39   | 0.39   | 0.68    | 3000000 | 1500000  |
| 35.517549390 | -3.956403063  | 0.68   | -2.94  | -1.12 | 0.39   | 0.39   | 0.68    | 3050000 | 1500000  |
| 35.597971760 | -3.415923291  | 1.26   | -3.02  | -1.41 | 0.34   | 0.34   | 0.57    | 3100000 | 1500000  |
| 35.675243330 | -2.874443021  | 1.64   | -2.93  | -1.56 | 0.28   | 0.28   | 0.47    | 3150000 | 1500000  |
| 35.820298140 | -1.788622274  | 0.74   | -1.30  | -1.13 | 0.42   | 0.42   | 0.75    | 3250000 | 1500000  |
| 35.888064210 | -1.244354145  | 0.51   | -0.82  | -1.00 | 0.43   | 0.43   | 0.80    | 3300000 | 1500000  |
| 36.555764640 | 11.428362140  | 0.95   | -0.71  | -1.11 | 0.44   | 0.44   | 0.81    | 4450000 | 1500000  |
| 36.545698090 | 11.981828510  | 1.37   | -1.03  | -1.20 | 0.42   | 0.42   | 0.77    | 4500000 | 1500000  |
| 36.532365210 | 12.535136860  | 1.83   | -1.36  | -1.27 | 0.41   | 0.41   | 0.74    | 4550000 | 1500000  |
| 36.472787540 | 14.193675460  | 3.27   | -1.85  | -1.57 | 0.35   | 0.35   | 0.61    | 4700000 | 1500000  |
| 36.446410370 | 14.745914280  | 3.61   | -1.72  | -1.71 | 0.31   | 0.31   | 0.53    | 4750000 | 1500000  |
| 36.416779430 | 15.297777360  | 3.10   | -1.27  | -1.53 | 0.36   | 0.36   | 0.63    | 4800000 | 1500000  |
| 35.737709870 | 22.418852100  | -27.40 | -18.13 | -0.06 | 0.44   | 0.44   | 0.70    | 5450000 | 1500000  |
| 35.663091990 | 22.961145660  | -26.85 | -17.60 | 0.03  | 0.39   | 0.41   | 0.66    | 5500000 | 1500000  |
| 35.585315680 | 23.502468190  | -26.48 | -17.27 | -0.02 | 0.32   | 0.37   | 0.58    | 5550000 | 1500000  |
| 35.504390030 | 24.042784670  | -27.01 | -16.79 | -0.41 | 0.20   | 0.25   | 0.41    | 5600000 | 1500000  |
| 35.420324470 | 24.582060770  | -27.29 | -17.20 | -0.73 | 0.25   | 0.29   | 0.50    | 5650000 | 1500000  |
| 35.333128680 | 25.120262900  | -27.75 | -17.07 | -1.22 | 0.26   | 0.27   | 0.47    | 5700000 | 1500000  |
| 35.242812650 | 25.657358230  | -28.19 | -16.33 | -1.70 | 0.29   | 0.27   | 0.49    | 5750000 | 1500000  |
| 35.149386640 | 26.193314680  | -28.29 | -16.08 | -1.66 | 0.32   | 0.25   | 0.55    | 5800000 | 1500000  |
| 35.052861170 | 26.728100970  | -28.58 | -15.16 | -1.59 | 0.48   | 0.39   | 0.67    | 5850000 | 1500000  |
| 34.953247020 | 27.261686620  | -28.23 | -14.72 | -1.54 | 0.55   | 0.43   | 0.72    | 5900000 | 1500000  |
| 32.087742380 | -16.903394770 | 0.45   | -2.61  | -0.92 | 0.39   | 0.39   | 0.68    | 1800000 | 1450000  |
| 32.242283860 | -16.399249260 | 0.45   | -2.68  | -0.92 | 0.39   | 0.39   | 0.69    | 1850000 | 1450000  |
| 32.393987380 | -15.893531650 | 0.31   | -2.12  | -0.88 | 0.42   | 0.41   | 0.76    | 1900000 | 1450000  |
| 35.070442700 | -3.870652033  | 0.86   | -2.59  | -1.02 | 0.40   | 0.40   | 0.71    | 3050000 | 1450000  |
| 35.150294460 | -3.333307170  | 1.50   | -2.78  | -1.19 | 0.34   | 0.34   | 0.58    | 3100000 | 1450000  |



| #Latitude    | Longitude     | N      | E      | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|--------|--------|-------|--------|--------|---------|---------|----------|
| 35.227016070 | -2.794989371  | 2.01   | -2.92  | -1.27 | 0.23   | 0.23   | 0.38    | 3150000 | 1450000  |
| 35.300598740 | -2.255732882  | 1.26   | -1.89  | -1.20 | 0.38   | 0.38   | 0.67    | 3200000 | 1450000  |
| 35.371033980 | -1.715572615  | 0.77   | -1.18  | -1.08 | 0.42   | 0.42   | 0.77    | 3250000 | 1450000  |
| 35.438313600 | -1.174544125  | 0.48   | -0.74  | -0.98 | 0.44   | 0.44   | 0.82    | 3300000 | 1450000  |
| 36.077923990 | 12.519108060  | 2.07   | -1.62  | -1.41 | 0.39   | 0.39   | 0.67    | 4550000 | 1450000  |
| 36.061448800 | 13.068726590  | 2.38   | -1.74  | -1.47 | 0.39   | 0.39   | 0.68    | 4600000 | 1450000  |
| 36.018785100 | 14.167205150  | 3.43   | -1.85  | -1.65 | 0.33   | 0.33   | 0.60    | 4700000 | 1450000  |
| 35.992601860 | 14.715980680  | 3.67   | -1.78  | -1.67 | 0.28   | 0.30   | 0.54    | 4750000 | 1450000  |
| 35.214951320 | 22.881184200  | -26.91 | -17.24 | -0.03 | 0.41   | 0.43   | 0.72    | 5500000 | 1450000  |
| 35.137728290 | 23.419348610  | -26.24 | -17.04 | 0.03  | 0.29   | 0.36   | 0.62    | 5550000 | 1450000  |
| 35.057376540 | 23.956534670  | -26.36 | -16.34 | -0.33 | 0.26   | 0.31   | 0.49    | 5600000 | 1450000  |
| 34.973905210 | 24.492708930  | -27.68 | -16.66 | -0.75 | 0.30   | 0.34   | 0.51    | 5650000 | 1450000  |
| 34.887323730 | 25.027838630  | -28.72 | -16.77 | -1.20 | 0.30   | 0.32   | 0.53    | 5700000 | 1450000  |
| 34.797641790 | 25.561891770  | -28.37 | -16.32 | -1.57 | 0.39   | 0.38   | 0.62    | 5750000 | 1450000  |
| 34.704869350 | 26.094837050  | -28.01 | -16.11 | -1.61 | 0.44   | 0.40   | 0.68    | 5800000 | 1450000  |
| 34.609016650 | 26.626643950  | -27.64 | -15.90 | -1.50 | 0.51   | 0.45   | 0.74    | 5850000 | 1450000  |
| 34.622912760 | -3.786421125  | 0.75   | -2.11  | -0.90 | 0.42   | 0.42   | 0.75    | 3050000 | 1400000  |
| 34.702204290 | -3.252158887  | 1.07   | -2.05  | -1.01 | 0.40   | 0.40   | 0.70    | 3100000 | 1400000  |
| 34.778385990 | -2.716950425  | 1.22   | -1.90  | -1.07 | 0.38   | 0.38   | 0.67    | 3150000 | 1400000  |
| 34.851449320 | -2.180829108  | 0.96   | -1.43  | -1.05 | 0.41   | 0.41   | 0.74    | 3200000 | 1400000  |
| 34.921386020 | -1.643828943  | 0.64   | -0.95  | -1.00 | 0.43   | 0.43   | 0.80    | 3250000 | 1400000  |
| 34.988188160 | -1.105984559  | 0.41   | -0.61  | -0.93 | 0.44   | 0.44   | 0.84    | 3300000 | 1400000  |
| 35.636333750 | 11.956986940  | 1.66   | -1.39  | -1.35 | 0.38   | 0.38   | 0.68    | 4500000 | 1400000  |
| 35.623195670 | 12.503371700  | 2.64   | -2.22  | -1.59 | 0.25   | 0.25   | 0.42    | 4550000 | 1400000  |
| 35.606840510 | 13.049565800  | 2.54   | -1.95  | -1.56 | 0.34   | 0.34   | 0.59    | 4600000 | 1400000  |
| 35.564487250 | 14.141216940  | 2.85   | -1.59  | -1.54 | 0.36   | 0.36   | 0.65    | 4700000 | 1400000  |
| 35.538494280 | 14.686591860  | 2.86   | -1.46  | -1.49 | 0.34   | 0.35   | 0.64    | 4750000 | 1400000  |
| 34.609938110 | 23.871813080  | -27.26 | -16.54 | -0.38 | 0.34   | 0.38   | 0.58    | 5600000 | 1400000  |
| 34.527050250 | 24.404936760  | -27.74 | -16.55 | -0.70 | 0.37   | 0.41   | 0.61    | 5650000 | 1400000  |
| 34.441071980 | 24.937044420  | -27.97 | -16.57 | -1.04 | 0.41   | 0.44   | 0.69    | 5700000 | 1400000  |
| 35.181216310 | 11.944903940  | 1.42   | -1.20  | -1.30 | 0.40   | 0.40   | 0.71    | 4500000 | 1350000  |
| 35.168172890 | 12.487920870  | 2.04   | -1.71  | -1.46 | 0.34   | 0.34   | 0.59    | 4550000 | 1350000  |
| 35.151935490 | 13.030752530  | 2.05   | -1.59  | -1.46 | 0.37   | 0.37   | 0.65    | 4600000 | 1350000  |
| 30.372008570 | -16.315549310 | 0.17   | -1.09  | -0.90 | 0.44   | 0.44   | 0.84    | 1800000 | 1250000  |
| 30.522767090 | -15.820081490 | 0.16   | -1.01  | -0.92 | 0.44   | 0.44   | 0.85    | 1850000 | 1250000  |
| 29.941174720 | -16.174505730 | 0.20   | -1.39  | -0.94 | 0.44   | 0.44   | 0.83    | 1800000 | 1200000  |
| 30.091025230 | -15.681140970 | 0.19   | -1.26  | -0.97 | 0.44   | 0.44   | 0.84    | 1850000 | 1200000  |
| 28.723717990 | -18.471570010 | 0.16   | -2.70  | -0.80 | 0.37   | 0.38   | 0.65    | 1550000 | 1150000  |
| 28.886330000 | -17.987185320 | 0.56   | -3.49  | -0.96 | 0.25   | 0.26   | 0.43    | 1600000 | 1150000  |
| 29.046234280 | -17.501400920 | 0.56   | -3.02  | -0.77 | 0.35   | 0.36   | 0.62    | 1650000 | 1150000  |
| 28.295932160 | -18.325306230 | -0.05  | -3.35  | -0.75 | 0.34   | 0.35   | 0.59    | 1550000 | 1100000  |



| #Latitude    | Longitude     | N     | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|-------|-------|-------|--------|--------|---------|---------|----------|
| 28.457611260 | -17.842799250 | -0.21 | -4.23 | 0.17  | 0.15   | 0.22   | 0.31    | 1600000 | 1100000  |
| 28.616592780 | -17.358927430 | 0.49  | -3.72 | -0.49 | 0.31   | 0.33   | 0.55    | 1650000 | 1100000  |
| 28.772865370 | -16.873699470 | 0.38  | -3.36 | -0.88 | 0.34   | 0.35   | 0.59    | 1700000 | 1100000  |
| 28.926417670 | -16.387124760 | 0.31  | -3.12 | -1.01 | 0.36   | 0.36   | 0.63    | 1750000 | 1100000  |
| 29.077238400 | -15.899213420 | 0.29  | -2.65 | -1.10 | 0.40   | 0.40   | 0.71    | 1800000 | 1100000  |
| 29.652981320 | -13.934429040 | 0.47  | -2.33 | -1.21 | 0.39   | 0.40   | 0.70    | 2000000 | 1100000  |
| 29.789976500 | -13.440011270 | 0.38  | -1.95 | -1.03 | 0.39   | 0.40   | 0.73    | 2050000 | 1100000  |
| 27.703882970 | -18.660668170 | 0.19  | -2.62 | -1.25 | 0.37   | 0.38   | 0.66    | 1500000 | 1050000  |
| 27.867320120 | -18.181355710 | 0.05  | -3.97 | -1.40 | 0.23   | 0.27   | 0.42    | 1550000 | 1050000  |
| 28.028080840 | -17.700704630 | -0.12 | -3.90 | -0.86 | 0.28   | 0.30   | 0.49    | 1600000 | 1050000  |
| 28.186154060 | -17.218722790 | 0.45  | -3.76 | -0.85 | 0.25   | 0.33   | 0.53    | 1650000 | 1050000  |
| 28.341528700 | -16.735418760 | 0.27  | -4.10 | -1.26 | 0.16   | 0.17   | 0.27    | 1700000 | 1050000  |
| 28.494193720 | -16.250801800 | 0.32  | -4.36 | -1.17 | 0.14   | 0.13   | 0.28    | 1750000 | 1050000  |
| 28.644138110 | -15.764881860 | 0.33  | -3.43 | -1.29 | 0.35   | 0.35   | 0.60    | 1800000 | 1050000  |
| 28.791350920 | -15.277669590 | 0.39  | -3.03 | -1.30 | 0.39   | 0.39   | 0.68    | 1850000 | 1050000  |
| 29.077538200 | -14.299414160 | 0.64  | -3.34 | -1.47 | 0.36   | 0.36   | 0.62    | 1950000 | 1050000  |
| 29.216491020 | -13.808395770 | 0.81  | -3.60 | -1.51 | 0.28   | 0.29   | 0.49    | 2000000 | 1050000  |
| 29.352669000 | -13.316134630 | 0.58  | -2.92 | -1.05 | 0.27   | 0.32   | 0.56    | 2050000 | 1050000  |
| 27.275360390 | -18.517189940 | 0.23  | -2.28 | -1.29 | 0.38   | 0.39   | 0.69    | 1500000 | 1000000  |
| 27.437883740 | -18.039678230 | 0.29  | -3.39 | -1.44 | 0.28   | 0.30   | 0.49    | 1550000 | 1000000  |
| 27.597740370 | -17.560861290 | 0.14  | -3.38 | -1.28 | 0.32   | 0.33   | 0.56    | 1600000 | 1000000  |
| 27.754919490 | -17.080746890 | 0.47  | -3.33 | -1.23 | 0.32   | 0.35   | 0.60    | 1650000 | 1000000  |
| 27.909410300 | -16.599343460 | 0.62  | -3.79 | -1.49 | 0.26   | 0.26   | 0.43    | 1700000 | 1000000  |
| 28.061202060 | -16.116660130 | 0.36  | -4.06 | -1.55 | 0.28   | 0.28   | 0.47    | 1750000 | 1000000  |
| 28.210284040 | -15.632706670 | 0.39  | -3.88 | -1.59 | 0.24   | 0.25   | 0.42    | 1800000 | 1000000  |
| 28.356645570 | -15.147493550 | 0.51  | -3.59 | -1.41 | 0.32   | 0.33   | 0.56    | 1850000 | 1000000  |
| 28.500276020 | -14.661031930 | 0.64  | -3.78 | -1.32 | 0.35   | 0.35   | 0.59    | 1900000 | 1000000  |
| 28.641164820 | -14.173333630 | 0.69  | -4.15 | -1.36 | 0.27   | 0.27   | 0.45    | 1950000 | 1000000  |
| 28.779301470 | -13.684411150 | 0.95  | -4.11 | -1.60 | 0.22   | 0.23   | 0.37    | 2000000 | 1000000  |
| 28.914675540 | -13.194277660 | 0.74  | -3.01 | -1.12 | 0.31   | 0.33   | 0.57    | 2050000 | 1000000  |
| 27.627443340 | -15.984660950 | 0.47  | -3.33 | -1.40 | 0.31   | 0.33   | 0.55    | 1750000 | 950000   |
| 27.775676590 | -15.502649200 | 0.67  | -3.97 | -1.54 | 0.20   | 0.24   | 0.40    | 1800000 | 950000   |
| 27.921200410 | -15.019409690 | 0.69  | -3.74 | -1.42 | 0.32   | 0.32   | 0.55    | 1850000 | 950000   |
| 28.064004450 | -14.534953370 | 0.88  | -4.20 | -1.19 | 0.26   | 0.26   | 0.44    | 1900000 | 950000   |
| 28.204078430 | -14.049291830 | 0.62  | -4.27 | -1.27 | 0.17   | 0.18   | 0.30    | 1950000 | 950000   |
| 28.341412100 | -13.562437360 | 0.57  | -3.37 | -1.25 | 0.32   | 0.32   | 0.55    | 2000000 | 950000   |
| 27.192917886 | -15.854766500 | 0.39  | -2.37 | -1.24 | 0.39   | 0.40   | 0.70    | 1750000 | 900000   |
| 27.340315865 | -15.374671836 | 0.49  | -2.72 | -1.27 | 0.37   | 0.38   | 0.66    | 1800000 | 900000   |
| 27.485015324 | -14.893380558 | 0.58  | -2.90 | -1.24 | 0.38   | 0.38   | 0.67    | 1850000 | 900000   |
| 27.627006186 | -14.410903406 | 0.65  | -3.12 | -1.13 | 0.36   | 0.36   | 0.62    | 1900000 | 900000   |
| 27.766278432 | -13.927251759 | 0.56  | -3.03 | -1.11 | 0.36   | 0.36   | 0.62    | 1950000 | 900000   |



| #Latitude    | Longitude     | N    | E     | Up    | SigmaN | SigmaE | SigmaUP | easting | northing |
|--------------|---------------|------|-------|-------|--------|--------|---------|---------|----------|
| 27.902822106 | -13.442437639 | 0.43 | -2.46 | -1.09 | 0.39   | 0.39   | 0.70    | 2000000 | 900000   |