Configuration Parameters for TMC3v0

# Quantized point clouds

## Script to generate the results for C05

|  |
| --- |
| #!/bin/zsh  mkdir ../enc  mkdir ../dec  mkdir ../enc/P07S28C05R01  ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 1.0 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C05R01/P07S28C05R01.bin > ../enc/P07S28C05R01/P07S28C05R01\_log.txt  mkdir ../dec/P07S28C05R01  ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S28C05R01/P07S28C05R01.bin --reconstructedDataPath ../dec/P07S28C05R01/P07S28C05R01.ply > ../dec/P07S28C05R01/P07S28C05R01\_log.txt  mkdir ../enc/P07S29C05R01  ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 1.0 --uncompressedDataPath ../uncompressed/overpass\_q1mm.ply --compressedStreamPath ../enc/P07S29C05R01/P07S29C05R01.bin > ../enc/P07S29C05R01/P07S29C05R01\_log.txt  mkdir ../dec/P07S29C05R01  ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S29C05R01/P07S29C05R01.bin --reconstructedDataPath ../dec/P07S29C05R01/P07S29C05R01.ply > ../dec/P07S29C05R01/P07S29C05R01\_log.txt  mkdir ../enc/P07S30C05R01  ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 1.0 --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C05R01/P07S30C05R01.bin > ../enc/P07S30C05R01/P07S30C05R01\_log.txt  mkdir ../dec/P07S30C05R01  ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S30C05R01/P07S30C05R01.bin --reconstructedDataPath ../dec/P07S30C05R01/P07S30C05R01.ply > ../dec/P07S30C05R01/P07S30C05R01\_log.txt  mkdir ../enc/P07S27C05R01  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 1.0 --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C05R01/P07S27C05R01-$number.bin >> ../enc/P07S27C05R01/P07S27C05R01\_log.txt;  done  mkdir ../dec/P07S27C05R01  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C05R01/P07S27C05R01-$number.bin --reconstructedDataPath ../dec/P07S27C05R01/P07S27C05R01-$number.ply >> --reconstructedDataPath ../dec/P07S27C05R01/P07S27C05R01\_log.txt;  done  mkdir ../enc/P07S26C05R01  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 1.0 --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C05R01/P07S26C05R01-$number.bin >> ../enc/P07S26C05R01/P07S26C05R01\_log.txt;  done  mkdir ../dec/P07S26C05R01  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C05R01/P07S26C05R01-$number.bin --reconstructedDataPath ../dec/P07S26C05R01/P07S26C05R01-$number.ply >> --reconstructedDataPath ../dec/P07S26C05R01/P07S26C05R01\_log.txt;  done  mkdir ../enc/P07S25C05R01  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 1.0 --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C05R01/P07S25C05R01-$number.bin >> ../enc/P07S25C05R01/P07S25C05R01\_log.txt;  done  mkdir ../dec/P07S25C05R01  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C05R01/P07S25C05R01-$number.bin --reconstructedDataPath ../dec/P07S25C05R01/P07S25C05R01-$number.ply >> --reconstructedDataPath ../dec/P07S25C05R01/P07S25C05R01\_log.txt;  done |

## Script to generate the results for C06

|  |
| --- |
| #!/bin/zsh  mkdir ../enc  mkdir ../dec  mkdir ../enc/P07S28C06R06  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 0 1 1 1 2 2 2 2 2 --quantizationDeadZoneSizes 0 1 1 1 2 2 2 2 2 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C06R06/P07S28C06R06.bin > ../enc/P07S28C06R06/P07S28C06R06\_log.txt  mkdir ../dec/P07S28C06R06  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C06R06/P07S28C06R06.ply --compressedStreamPath ../enc/P07S28C06R06/P07S28C06R06.bin > ../dec/P07S28C06R06/P07S28C06R06\_log.txt  mkdir ../enc/P07S28C06R05  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 4 4 4 4 8 8 --quantizationDeadZoneSizes 1 2 4 4 4 4 4 8 8 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C06R05/P07S28C06R05.bin > ../enc/P07S28C06R05/P07S28C06R05\_log.txt  mkdir ../dec/P07S28C06R05  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C06R05/P07S28C06R05.ply --compressedStreamPath ../enc/P07S28C06R05/P07S28C06R05.bin > ../dec/P07S28C06R05/P07S28C06R05\_log.txt  mkdir ../enc/P07S28C06R04  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 8 8 16 16 16 --quantizationDeadZoneSizes 1 2 4 8 8 8 16 16 16 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C06R04/P07S28C06R04.bin > ../enc/P07S28C06R04/P07S28C06R04\_log.txt  mkdir ../dec/P07S28C06R04  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C06R04/P07S28C06R04.ply --compressedStreamPath ../enc/P07S28C06R04/P07S28C06R04.bin > ../dec/P07S28C06R04/P07S28C06R04\_log.txt  mkdir ../enc/P07S28C06R03  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 16 32 32 32 34 --quantizationDeadZoneSizes 1 2 4 8 16 32 32 32 34 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C06R03/P07S28C06R03.bin > ../enc/P07S28C06R03/P07S28C06R03\_log.txt  mkdir ../dec/P07S28C06R03  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C06R03/P07S28C06R03.ply --compressedStreamPath ../enc/P07S28C06R03/P07S28C06R03.bin > ../dec/P07S28C06R03/P07S28C06R03\_log.txt  mkdir ../enc/P07S28C06R02  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 16 32 64 64 66 --quantizationDeadZoneSizes 1 2 4 8 16 32 64 64 66 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C06R02/P07S28C06R02.bin > ../enc/P07S28C06R02/P07S28C06R02\_log.txt  mkdir ../dec/P07S28C06R02  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C06R02/P07S28C06R02.ply --compressedStreamPath ../enc/P07S28C06R02/P07S28C06R02.bin > ../dec/P07S28C06R02/P07S28C06R02\_log.txt  mkdir ../enc/P07S28C06R01  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 16 32 64 128 128 --quantizationDeadZoneSizes 1 2 4 8 16 32 64 128 128 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C06R01/P07S28C06R01.bin > ../enc/P07S28C06R01/P07S28C06R01\_log.txt  mkdir ../dec/P07S28C06R01  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C06R01/P07S28C06R01.ply --compressedStreamPath ../enc/P07S28C06R01/P07S28C06R01.bin > ../dec/P07S28C06R01/P07S28C06R01\_log.txt  mkdir ../enc/P07S30C06R06  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 0 0 0 0 0 0 1 1 2 --quantizationDeadZoneSizes 0 0 0 0 0 0 1 1 2 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C06R06/P07S30C06R06.bin > ../enc/P07S30C06R06/P07S30C06R06\_log.txt  mkdir ../dec/P07S30C06R06  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R06/P07S30C06R06.bin --reconstructedDataPath ../dec/P07S30C06R06/P07S30C06R06.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C06R06/P07S30C06R06\_log.txt  mkdir ../enc/P07S30C06R05  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 4 4 4 4 4 6 --quantizationDeadZoneSizes 1 2 4 4 4 4 4 4 6 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C06R05/P07S30C06R05.bin > ../enc/P07S30C06R05/P07S30C06R05\_log.txt  mkdir ../dec/P07S30C06R05  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R05/P07S30C06R05.bin --reconstructedDataPath ../dec/P07S30C06R05/P07S30C06R05.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C06R05/P07S30C06R05\_log.txt  mkdir ../enc/P07S30C06R04  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 8 8 8 10 16 --quantizationDeadZoneSizes 1 2 4 8 8 8 8 10 16 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C06R04/P07S30C06R04.bin > ../enc/P07S30C06R04/P07S30C06R04\_log.txt  mkdir ../dec/P07S30C06R04  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R04/P07S30C06R04.bin --reconstructedDataPath ../dec/P07S30C06R04/P07S30C06R04.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C06R04/P07S30C06R04\_log.txt  mkdir ../enc/P07S30C06R03  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 16 16 16 32 32 --quantizationDeadZoneSizes 1 2 4 8 16 16 16 32 32 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C06R03/P07S30C06R03.bin > ../enc/P07S30C06R03/P07S30C06R03\_log.txt  mkdir ../dec/P07S30C06R03  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R03/P07S30C06R03.bin --reconstructedDataPath ../dec/P07S30C06R03/P07S30C06R03.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C06R03/P07S30C06R03\_log.txt  mkdir ../enc/P07S30C06R02  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 16 32 32 64 64 --quantizationDeadZoneSizes 1 2 4 8 16 32 32 64 64 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C06R02/P07S30C06R02.bin > ../enc/P07S30C06R02/P07S30C06R02\_log.txt  mkdir ../dec/P07S30C06R02  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R02/P07S30C06R02.bin --reconstructedDataPath ../dec/P07S30C06R02/P07S30C06R02.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C06R02/P07S30C06R02\_log.txt  mkdir ../enc/P07S30C06R01  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 16 32 64 128 128 --quantizationDeadZoneSizes 1 2 4 8 16 32 64 128 128 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C06R01/P07S30C06R01.bin > ../enc/P07S30C06R01/P07S30C06R01\_log.txt  mkdir ../dec/P07S30C06R01  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R01/P07S30C06R01.bin --reconstructedDataPath ../dec/P07S30C06R01/P07S30C06R01.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C06R01/P07S30C06R01\_log.txt |

## Script to generate the results for C07

|  |
| --- |
| #!/bin/zsh  mkdir ../enc  mkdir ../dec  mkdir ../enc/P07S28C07R06  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 0 1 2 4 8 16 16 32 32 --quantizationDeadZoneSizes 0 1 2 4 8 16 16 32 32 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C07R06/P07S28C07R06.bin > ../enc/P07S28C07R06/P07S28C07R06\_log.txt  mkdir ../dec/P07S28C07R06  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C07R06/P07S28C07R06.ply --compressedStreamPath ../enc/P07S28C07R06/P07S28C07R06.bin > ../dec/P07S28C07R06/P07S28C07R06\_log.txt  mkdir ../enc/P07S28C07R05  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 2 5 10 20 40 80 160 320 640 --quantizationDeadZoneSizes 2 5 10 20 40 80 160 320 640 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C07R05/P07S28C07R05.bin > ../enc/P07S28C07R05/P07S28C07R05\_log.txt  mkdir ../dec/P07S28C07R05  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C07R05/P07S28C07R05.ply --compressedStreamPath ../enc/P07S28C07R05/P07S28C07R05.bin > ../dec/P07S28C07R05/P07S28C07R05\_log.txt  mkdir ../enc/P07S28C07R04  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 10 20 40 80 160 320 640 1280 2560 --quantizationDeadZoneSizes 10 20 40 80 160 320 640 1280 2560 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C07R04/P07S28C07R04.bin > ../enc/P07S28C07R04/P07S28C07R04\_log.txt  mkdir ../dec/P07S28C07R04  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C07R04/P07S28C07R04.ply --compressedStreamPath ../enc/P07S28C07R04/P07S28C07R04.bin > ../dec/P07S28C07R04/P07S28C07R04\_log.txt  mkdir ../enc/P07S28C07R03  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 29 57 114 229 457 914 1829 3657 7314 --quantizationDeadZoneSizes 29 57 114 229 457 914 1829 3657 7314 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C07R03/P07S28C07R03.bin > ../enc/P07S28C07R03/P07S28C07R03\_log.txt  mkdir ../dec/P07S28C07R03  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C07R03/P07S28C07R03.ply --compressedStreamPath ../enc/P07S28C07R03/P07S28C07R03.bin > ../dec/P07S28C07R03/P07S28C07R03\_log.txt  mkdir ../enc/P07S28C07R02  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 77 154 308 615 1231 2462 4923 9846 19692 --quantizationDeadZoneSizes 77 154 308 615 1231 2462 4923 9846 19692 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C07R02/P07S28C07R02.bin > ../enc/P07S28C07R02/P07S28C07R02\_log.txt  mkdir ../dec/P07S28C07R02  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C07R02/P07S28C07R02.ply --compressedStreamPath ../enc/P07S28C07R02/P07S28C07R02.bin > ../dec/P07S28C07R02/P07S28C07R02\_log.txt  mkdir ../enc/P07S28C07R01  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 286 571 1143 2286 4571 9143 18286 36571 65536 --quantizationDeadZoneSizes 286 571 1143 2286 4571 9143 18286 36571 65536 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --compressedStreamPath ../enc/P07S28C07R01/P07S28C07R01.bin > ../enc/P07S28C07R01/P07S28C07R01\_log.txt  mkdir ../dec/P07S28C07R01  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel\_q1mm.ply --reconstructedDataPath ../dec/P07S28C07R01/P07S28C07R01.ply --compressedStreamPath ../enc/P07S28C07R01/P07S28C07R01.bin > ../dec/P07S28C07R01/P07S28C07R01\_log.txt  mkdir ../enc/P07S30C07R06  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 1 2 4 8 16 32 32 32 32 --quantizationDeadZoneSizes 1 2 4 8 16 32 32 32 32 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C07R06/P07S30C07R06.bin > ../enc/P07S30C07R06/P07S30C07R06\_log.txt  mkdir ../dec/P07S30C07R06  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C07R06/P07S30C07R06.bin --reconstructedDataPath ../dec/P07S30C07R06/P07S30C07R06.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C07R06/P07S30C07R06\_log.txt  mkdir ../enc/P07S30C07R05  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 4 8 16 32 64 128 256 512 1024 --quantizationDeadZoneSizes 4 8 16 32 64 128 256 512 1024 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C07R05/P07S30C07R05.bin > ../enc/P07S30C07R05/P07S30C07R05\_log.txt  mkdir ../dec/P07S30C07R05  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C07R05/P07S30C07R05.bin --reconstructedDataPath ../dec/P07S30C07R05/P07S30C07R05.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C07R05/P07S30C07R05\_log.txt  mkdir ../enc/P07S30C07R04  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 17 33 67 133 267 533 1067 2133 4267 --quantizationDeadZoneSizes 17 33 67 133 267 533 1067 2133 4267 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C07R04/P07S30C07R04.bin > ../enc/P07S30C07R04/P07S30C07R04\_log.txt  mkdir ../dec/P07S30C07R04  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C07R04/P07S30C07R04.bin --reconstructedDataPath ../dec/P07S30C07R04/P07S30C07R04.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C07R04/P07S30C07R04\_log.txt  mkdir ../enc/P07S30C07R03  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 50 100 200 400 800 1600 3200 6400 12800 --quantizationDeadZoneSizes 50 100 200 400 800 1600 3200 6400 12800 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C07R03/P07S30C07R03.bin > ../enc/P07S30C07R03/P07S30C07R03\_log.txt  mkdir ../dec/P07S30C07R03  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C07R03/P07S30C07R03.bin --reconstructedDataPath ../dec/P07S30C07R03/P07S30C07R03.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C07R03/P07S30C07R03\_log.txt  mkdir ../enc/P07S30C07R02  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 100 200 400 800 1600 3200 6400 12800 25600 --quantizationDeadZoneSizes 100 200 400 800 1600 3200 6400 12800 25600 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C07R02/P07S30C07R02.bin > ../enc/P07S30C07R02/P07S30C07R02\_log.txt  mkdir ../dec/P07S30C07R02  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C07R02/P07S30C07R02.bin --reconstructedDataPath ../dec/P07S30C07R02/P07S30C07R02.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C07R02/P07S30C07R02\_log.txt  mkdir ../enc/P07S30C07R01  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 134217728 33554432 8388608 2097152 524288 131072 32768 8192 0 --quantizationSteps 286 571 1143 2286 4571 9143 18286 36571 65536 --quantizationDeadZoneSizes 286 571 1143 2286 4571 9143 18286 36571 65536 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply --compressedStreamPath ../enc/P07S30C07R01/P07S30C07R01.bin > ../enc/P07S30C07R01/P07S30C07R01\_log.txt  mkdir ../dec/P07S30C07R01  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C07R01/P07S30C07R01.bin --reconstructedDataPath ../dec/P07S30C07R01/P07S30C07R01.ply --uncompressedDataPath ../uncompressed/tollbooth\_q1mm.ply > ../dec/P07S30C07R01/P07S30C07R01\_log.txt |

## Script to generate the results for C08

|  |
| --- |
| #!/bin/zsh  mkdir ../enc  mkdir ../dec  mkdir ../enc/P07S25C08R01  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0017 --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C08R01/P07S25C08R01-$number.bin >> ../enc/P07S25C08R01/P07S25C08R01\_log.txt;  done  mkdir ../dec/P07S25C08R01  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R01/P07S25C08R01-$number.bin --reconstructedDataPath ../dec/P07S25C08R01/P07S25C08R01-$number.ply >> ../dec/P07S25C08R01/P07S25C08R01\_log.txt;  done  mkdir ../enc/P07S25C08R02  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0027 --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C08R02/P07S25C08R02-$number.bin >> ../enc/P07S25C08R02/P07S25C08R02\_log.txt;  done  mkdir ../dec/P07S25C08R02  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R02/P07S25C08R02-$number.bin --reconstructedDataPath ../dec/P07S25C08R02/P07S25C08R02-$number.ply >> ../dec/P07S25C08R02/P07S25C08R02\_log.txt;  done  mkdir ../enc/P07S25C08R03  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0050 --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C08R03/P07S25C08R03-$number.bin >> ../enc/P07S25C08R03/P07S25C08R03\_log.txt;  done  mkdir ../dec/P07S25C08R03  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R03/P07S25C08R03-$number.bin --reconstructedDataPath ../dec/P07S25C08R03/P07S25C08R03-$number.ply >> ../dec/P07S25C08R03/P07S25C08R03\_log.txt;  done  mkdir ../enc/P07S25C08R04  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.011 --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C08R04/P07S25C08R04-$number.bin >> ../enc/P07S25C08R04/P07S25C08R04\_log.txt;  done  mkdir ../dec/P07S25C08R04  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R04/P07S25C08R04-$number.bin --reconstructedDataPath ../dec/P07S25C08R04/P07S25C08R04-$number.ply >> ../dec/P07S25C08R04/P07S25C08R04\_log.txt;  done  mkdir ../enc/P07S25C08R05  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.030 --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C08R05/P07S25C08R05-$number.bin >> ../enc/P07S25C08R05/P07S25C08R05\_log.txt;  done  mkdir ../dec/P07S25C08R05  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R05/P07S25C08R05-$number.bin --reconstructedDataPath ../dec/P07S25C08R05/P07S25C08R05-$number.ply >> ../dec/P07S25C08R05/P07S25C08R05\_log.txt;  done  mkdir ../enc/P07S25C08R06  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.080 --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C08R06/P07S25C08R06-$number.bin >> ../enc/P07S25C08R06/P07S25C08R06\_log.txt;  done  mkdir ../dec/P07S25C08R06  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R06/P07S25C08R06-$number.bin --reconstructedDataPath ../dec/P07S25C08R06/P07S25C08R06-$number.ply >> ../dec/P07S25C08R06/P07S25C08R06\_log.txt;  done  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.00285 --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C08R02/P07S26C08R02-$number.bin >> ../enc/P07S26C08R02/P07S26C08R02\_log.txt;  done  mkdir ../dec/P07S26C08R02  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R02/P07S26C08R02-$number.bin --reconstructedDataPath ../dec/P07S26C08R02/P07S26C08R02-$number.ply >> ../dec/P07S26C08R02/P07S26C08R02\_log.txt;  done  mkdir ../stats/P07S26C08R02  ../app/measure-error --errorToolPath ../app/pc\_error --logPath ../stats/P07S26C08R02/P07S26C08R02-%04d\_log.txt --startFrameNumber 100 --frameCount 1500 --uncompressedWithNormalsDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-%04d.ply --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-%04d.ply --reconstructedDataPath ../dec/P07S26C08R02/P07S26C08R02-%04d.ply --peak 30000.0 > ../stats/P07S26C08R02/P07S26C08R02\_log.txt  mkdir ../enc/P07S26C08R03  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0052 --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C08R03/P07S26C08R03-$number.bin >> ../enc/P07S26C08R03/P07S26C08R03\_log.txt;  done  mkdir ../dec/P07S26C08R03  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R03/P07S26C08R03-$number.bin --reconstructedDataPath ../dec/P07S26C08R03/P07S26C08R03-$number.ply >> ../dec/P07S26C08R03/P07S26C08R03\_log.txt;  done  mkdir ../stats/P07S26C08R03  ../app/measure-error --errorToolPath ../app/pc\_error --logPath ../stats/P07S26C08R03/P07S26C08R03-%04d\_log.txt --startFrameNumber 100 --frameCount 1500 --uncompressedWithNormalsDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-%04d.ply --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-%04d.ply --reconstructedDataPath ../dec/P07S26C08R03/P07S26C08R03-%04d.ply --peak 30000.0 > ../stats/P07S26C08R03/P07S26C08R03\_log.txt  mkdir ../enc/P07S26C08R04  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.012 --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C08R04/P07S26C08R04-$number.bin >> ../enc/P07S26C08R04/P07S26C08R04\_log.txt;  done  mkdir ../dec/P07S26C08R04  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R04/P07S26C08R04-$number.bin --reconstructedDataPath ../dec/P07S26C08R04/P07S26C08R04-$number.ply >> ../dec/P07S26C08R04/P07S26C08R04\_log.txt;  done  mkdir ../enc/P07S26C08R05  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.030 --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C08R05/P07S26C08R05-$number.bin >> ../enc/P07S26C08R05/P07S26C08R05\_log.txt;  done  mkdir ../dec/P07S26C08R05  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R05/P07S26C08R05-$number.bin --reconstructedDataPath ../dec/P07S26C08R05/P07S26C08R05-$number.ply >> ../dec/P07S26C08R05/P07S26C08R05\_log.txt;  done  mkdir ../enc/P07S26C08R06  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.080 --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C08R06/P07S26C08R06-$number.bin >> ../enc/P07S26C08R06/P07S26C08R06\_log.txt;  done  mkdir ../dec/P07S26C08R06  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R06/P07S26C08R06-$number.bin --reconstructedDataPath ../dec/P07S26C08R06/P07S26C08R06-$number.ply >> ../dec/P07S26C08R06/P07S26C08R06\_log.txt;  done  mkdir ../enc/P07S27C08R01  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0015 --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C08R01/P07S27C08R01-$number.bin >> ../enc/P07S27C08R01/P07S27C08R01\_log.txt;  done  mkdir ../dec/P07S27C08R01  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R01/P07S27C08R01-$number.bin --reconstructedDataPath ../dec/P07S27C08R01/P07S27C08R01-$number.ply >> ../dec/P07S27C08R01/P07S27C08R01\_log.txt;  done  mkdir ../enc/P07S27C08R02  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0025 --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C08R02/P07S27C08R02-$number.bin >> ../enc/P07S27C08R02/P07S27C08R02\_log.txt;  done  mkdir ../dec/P07S27C08R02  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R02/P07S27C08R02-$number.bin --reconstructedDataPath ../dec/P07S27C08R02/P07S27C08R02-$number.ply >> ../dec/P07S27C08R02/P07S27C08R02\_log.txt;  done  mkdir ../enc/P07S27C08R03  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.005 --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C08R03/P07S27C08R03-$number.bin >> ../enc/P07S27C08R03/P07S27C08R03\_log.txt;  done  mkdir ../dec/P07S27C08R03  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R03/P07S27C08R03-$number.bin --reconstructedDataPath ../dec/P07S27C08R03/P07S27C08R03-$number.ply >> ../dec/P07S27C08R03/P07S27C08R03\_log.txt;  done  mkdir ../enc/P07S27C08R04  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.010 --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C08R04/P07S27C08R04-$number.bin >> ../enc/P07S27C08R04/P07S27C08R04\_log.txt;  done  mkdir ../dec/P07S27C08R04  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R04/P07S27C08R04-$number.bin --reconstructedDataPath ../dec/P07S27C08R04/P07S27C08R04-$number.ply >> ../dec/P07S27C08R04/P07S27C08R04\_log.txt;  done  mkdir ../enc/P07S27C08R05  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.025 --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C08R05/P07S27C08R05-$number.bin >> ../enc/P07S27C08R05/P07S27C08R05\_log.txt;  done  mkdir ../dec/P07S27C08R05  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R05/P07S27C08R05-$number.bin --reconstructedDataPath ../dec/P07S27C08R05/P07S27C08R05-$number.ply >> ../dec/P07S27C08R05/P07S27C08R05\_log.txt;  done  mkdir ../enc/P07S27C08R06  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.070 --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C08R06/P07S27C08R06-$number.bin >> ../enc/P07S27C08R06/P07S27C08R06\_log.txt;  done  mkdir ../dec/P07S27C08R06  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R06/P07S27C08R06-$number.bin --reconstructedDataPath ../dec/P07S27C08R06/P07S27C08R06-$number.ply >> ../dec/P07S27C08R06/P07S27C08R06\_log.txt;  done |

## Script to generate the results for C10

|  |
| --- |
| #!/bin/zsh  mkdir ../enc  mkdir ../dec  mkdir ../enc/P07S25C10R01  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0012 --levelOfDetailCount 2 --dist2 6 0 --quantizationSteps 2 4 --quantizationDeadZoneSizes 2 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C10R01/P07S25C10R01-$number.bin >> ../enc/P07S25C10R01/P07S25C10R01\_log.txt;  done  mkdir ../dec/P07S25C10R01  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C10R01/P07S25C10R01-$number.bin --reconstructedDataPath ../dec/P07S25C10R01/P07S25C10R01-$number.ply >> ../dec/P07S25C10R01/P07S25C10R01\_log.txt;  done  mkdir ../enc/P07S25C10R02  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.00225 --levelOfDetailCount 4 --dist2 21 5 1 0 --quantizationSteps 1 2 4 4 --quantizationDeadZoneSizes 1 2 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C10R02/P07S25C10R02-$number.bin >> ../enc/P07S25C10R02/P07S25C10R02\_log.txt;  done  mkdir ../dec/P07S25C10R02  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C10R02/P07S25C10R02-$number.bin --reconstructedDataPath ../dec/P07S25C10R02/P07S25C10R02-$number.ply >> ../dec/P07S25C10R02/P07S25C10R02\_log.txt;  done  mkdir ../enc/P07S25C10R03  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0045 --levelOfDetailCount 5 --dist2 85 21 5 1 0 --quantizationSteps 0 1 2 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C10R03/P07S25C10R03-$number.bin >> ../enc/P07S25C10R03/P07S25C10R03\_log.txt;  done  mkdir ../dec/P07S25C10R03  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C10R03/P07S25C10R03-$number.bin --reconstructedDataPath ../dec/P07S25C10R03/P07S25C10R03-$number.ply >> ../dec/P07S25C10R03/P07S25C10R03\_log.txt;  done  mkdir ../enc/P07S25C10R04  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.011 --levelOfDetailCount 6 --dist2 508 127 32 8 2 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C10R04/P07S25C10R04-$number.bin >> ../enc/P07S25C10R04/P07S25C10R04\_log.txt;  done  mkdir ../dec/P07S25C10R04  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C10R04/P07S25C10R04-$number.bin --reconstructedDataPath ../dec/P07S25C10R04/P07S25C10R04-$number.ply >> ../dec/P07S25C10R04/P07S25C10R04\_log.txt;  done  mkdir ../enc/P07S25C10R05  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.05 --levelOfDetailCount 6 --dist2 10486 2621 655 164 41 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C10R05/P07S25C10R05-$number.bin >> ../enc/P07S25C10R05/P07S25C10R05\_log.txt;  done  mkdir ../dec/P07S25C10R05  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C10R05/P07S25C10R05-$number.bin --reconstructedDataPath ../dec/P07S25C10R05/P07S25C10R05-$number.ply >> ../dec/P07S25C10R05/P07S25C10R05\_log.txt;  done  mkdir ../enc/P07S25C10R06  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.275 --levelOfDetailCount 6 --dist2 317194 79299 19825 4956 1239 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_01\_q\_1mm/Ford\_01\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S25C10R06/P07S25C10R06-$number.bin >> ../enc/P07S25C10R06/P07S25C10R06\_log.txt;  done  mkdir ../dec/P07S25C10R06  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C10R06/P07S25C10R06-$number.bin --reconstructedDataPath ../dec/P07S25C10R06/P07S25C10R06-$number.ply >> ../dec/P07S25C10R06/P07S25C10R06\_log.txt;  done  mkdir ../enc/P07S26C10R01  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0012 --levelOfDetailCount 2 --dist2 6 0 --quantizationSteps 2 4 --quantizationDeadZoneSizes 2 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C10R01/P07S26C10R01-$number.bin >> ../enc/P07S26C10R01/P07S26C10R01\_log.txt;  done  mkdir ../dec/P07S26C10R01  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C10R01/P07S26C10R01-$number.bin --reconstructedDataPath ../dec/P07S26C10R01/P07S26C10R01-$number.ply >> ../dec/P07S26C10R01/P07S26C10R01\_log.txt;  done  mkdir ../enc/P07S26C10R02  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.00225 --levelOfDetailCount 4 --dist2 21 5 1 0 --quantizationSteps 1 2 4 4 --quantizationDeadZoneSizes 1 2 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C10R02/P07S26C10R02-$number.bin >> ../enc/P07S26C10R02/P07S26C10R02\_log.txt;  done  mkdir ../dec/P07S26C10R02  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C10R02/P07S26C10R02-$number.bin --reconstructedDataPath ../dec/P07S26C10R02/P07S26C10R02-$number.ply >> ../dec/P07S26C10R02/P07S26C10R02\_log.txt;  done  mkdir ../enc/P07S26C10R03  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0045 --levelOfDetailCount 5 --dist2 85 21 5 1 0 --quantizationSteps 0 1 2 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C10R03/P07S26C10R03-$number.bin >> ../enc/P07S26C10R03/P07S26C10R03\_log.txt;  done  mkdir ../dec/P07S26C10R03  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C10R03/P07S26C10R03-$number.bin --reconstructedDataPath ../dec/P07S26C10R03/P07S26C10R03-$number.ply >> ../dec/P07S26C10R03/P07S26C10R03\_log.txt;  done  mkdir ../enc/P07S26C10R04  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.011 --levelOfDetailCount 6 --dist2 508 127 32 8 2 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C10R04/P07S26C10R04-$number.bin >> ../enc/P07S26C10R04/P07S26C10R04\_log.txt;  done  mkdir ../dec/P07S26C10R04  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C10R04/P07S26C10R04-$number.bin --reconstructedDataPath ../dec/P07S26C10R04/P07S26C10R04-$number.ply >> ../dec/P07S26C10R04/P07S26C10R04\_log.txt;  done  mkdir ../enc/P07S26C10R05  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.05 --levelOfDetailCount 6 --dist2 10486 2621 655 164 41 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C10R05/P07S26C10R05-$number.bin >> ../enc/P07S26C10R05/P07S26C10R05\_log.txt;  done  mkdir ../dec/P07S26C10R05  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C10R05/P07S26C10R05-$number.bin --reconstructedDataPath ../dec/P07S26C10R05/P07S26C10R05-$number.ply >> ../dec/P07S26C10R05/P07S26C10R05\_log.txt;  done  mkdir ../enc/P07S26C10R06  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.275 --levelOfDetailCount 6 --dist2 317194 79299 19825 4956 1239 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_02\_q\_1mm/Ford\_02\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S26C10R06/P07S26C10R06-$number.bin >> ../enc/P07S26C10R06/P07S26C10R06\_log.txt;  done  mkdir ../dec/P07S26C10R06  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C10R06/P07S26C10R06-$number.bin --reconstructedDataPath ../dec/P07S26C10R06/P07S26C10R06-$number.ply >> ../dec/P07S26C10R06/P07S26C10R06\_log.txt;  done  mkdir ../enc/P07S27C10R01  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0012 --levelOfDetailCount 2 --dist2 6 0 --quantizationSteps 2 4 --quantizationDeadZoneSizes 2 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C10R01/P07S27C10R01-$number.bin >> ../enc/P07S27C10R01/P07S27C10R01\_log.txt;  done  mkdir ../dec/P07S27C10R01  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C10R01/P07S27C10R01-$number.bin --reconstructedDataPath ../dec/P07S27C10R01/P07S27C10R01-$number.ply >> ../dec/P07S27C10R01/P07S27C10R01\_log.txt;  done  mkdir ../enc/P07S27C10R02  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.00225 --levelOfDetailCount 4 --dist2 21 5 1 0 --quantizationSteps 1 2 4 4 --quantizationDeadZoneSizes 1 2 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C10R02/P07S27C10R02-$number.bin >> ../enc/P07S27C10R02/P07S27C10R02\_log.txt;  done  mkdir ../dec/P07S27C10R02  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C10R02/P07S27C10R02-$number.bin --reconstructedDataPath ../dec/P07S27C10R02/P07S27C10R02-$number.ply >> ../dec/P07S27C10R02/P07S27C10R02\_log.txt;  done  mkdir ../enc/P07S27C10R03  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.0045 --levelOfDetailCount 5 --dist2 85 21 5 1 0 --quantizationSteps 0 1 2 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C10R03/P07S27C10R03-$number.bin >> ../enc/P07S27C10R03/P07S27C10R03\_log.txt;  done  mkdir ../dec/P07S27C10R03  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C10R03/P07S27C10R03-$number.bin --reconstructedDataPath ../dec/P07S27C10R03/P07S27C10R03-$number.ply >> ../dec/P07S27C10R03/P07S27C10R03\_log.txt;  done  mkdir ../enc/P07S27C10R04  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.011 --levelOfDetailCount 6 --dist2 508 127 32 8 2 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C10R04/P07S27C10R04-$number.bin >> ../enc/P07S27C10R04/P07S27C10R04\_log.txt;  done  mkdir ../dec/P07S27C10R04  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C10R04/P07S27C10R04-$number.bin --reconstructedDataPath ../dec/P07S27C10R04/P07S27C10R04-$number.ply >> ../dec/P07S27C10R04/P07S27C10R04\_log.txt;  done  mkdir ../enc/P07S27C10R05  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.05 --levelOfDetailCount 6 --dist2 10486 2621 655 164 41 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C10R05/P07S27C10R05-$number.bin >> ../enc/P07S27C10R05/P07S27C10R05\_log.txt;  done  mkdir ../dec/P07S27C10R05  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C10R05/P07S27C10R05-$number.bin --reconstructedDataPath ../dec/P07S27C10R05/P07S27C10R05-$number.ply >> ../dec/P07S27C10R05/P07S27C10R05\_log.txt;  done  mkdir ../enc/P07S27C10R06  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 0.275 --levelOfDetailCount 6 --dist2 317194 79299 19825 4956 1239 0 --quantizationSteps 0 1 2 4 4 4 --quantizationDeadZoneSizes 0 1 2 4 4 4 --searchRange 2 --attribute reflectance --uncompressedDataPath ../uncompressed/Ford\_03\_q\_1mm/Ford\_03\_vox1mm-$number.ply --compressedStreamPath ../enc/P07S27C10R06/P07S27C10R06-$number.bin >> ../enc/P07S27C10R06/P07S27C10R06\_log.txt;  done  mkdir ../dec/P07S27C10R06  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C10R06/P07S27C10R06-$number.bin --reconstructedDataPath ../dec/P07S27C10R06/P07S27C10R06-$number.ply >> ../dec/P07S27C10R06/P07S27C10R06\_log.txt;  done |

# Un-quantized point clouds

## Script to generate the results for C05

#!/bin/zsh

mkdir ../enc

mkdir ../dec

mkdir ../enc/P07S28C05R01

../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 500.1 --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --compressedStreamPath ../enc/P07S28C05R01/P07S28C05R01.bin > ../enc/P07S28C05R01/P07S28C05R01\_log.txt

mkdir ../dec/P07S28C05R01

../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S28C05R01/P07S28C05R01.bin --reconstructedDataPath ../dec/P07S28C05R01/P07S28C05R01.ply > ../dec/P07S28C05R01/P07S28C05R01\_log.txt

mkdir ../enc/P07S29C05R01

../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 500.1 --uncompressedDataPath ../uncompressed/overpass/overpass\_with\_normal.ply --compressedStreamPath ../enc/P07S29C05R01/P07S29C05R01.bin > ../enc/P07S29C05R01/P07S29C05R01\_log.txt

mkdir ../dec/P07S29C05R01

../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S29C05R01/P07S29C05R01.bin --reconstructedDataPath ../dec/P07S29C05R01/P07S30C05R01.ply > ../dec/P07S29C05R01/P07S29C05R01\_log.txt

mkdir ../enc/P07S30C05R01

../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 500.1 --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply --compressedStreamPath ../enc/P07S30C05R01/P07S30C05R01.bin > ../enc/P07S30C05R01/P07S30C05R01\_log.txt

mkdir ../dec/P07S30C05R01

../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S30C05R01/P07S30C05R01.bin --reconstructedDataPath ../dec/P07S30C05R01/P07S30C05R01.ply > ../dec/P07S30C05R01/P07S30C05R01\_log.txt

mkdir ../enc/P07S27C05R01

for number in {0200..1699};

do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 500.1 --uncompressedDataPath ../uncompressed/Ford\_03/Ford\_03-$number.ply --compressedStreamPath ../enc/P07S27C05R01/P07S27C05R01-$number.bin >> ../enc/P07S27C05R01/P07S27C05R01\_log.txt;

done

mkdir ../dec/P07S27C05R01

for number in {0200..1699};

do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C05R01/P07S27C05R01-$number.bin --reconstructedDataPath ../dec/P07S27C05R01/P07S27C05R01-$number.ply >> --reconstructedDataPath ../dec/P07S27C05R01/P07S27C05R01\_log.txt;

done

mkdir ../enc/P07S26C05R01

for number in {0100..1599};

do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 500.1 --uncompressedDataPath ../uncompressed/ford\_02/ford\_02-$number.ply --compressedStreamPath ../enc/P07S26C05R01/P07S26C05R01-$number.bin >> ../enc/P07S26C05R01/P07S26C05R01\_log.txt;

done

mkdir ../dec/P07S26C05R01

for number in {0100..1599};

do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C05R01/P07S26C05R01-$number.bin --reconstructedDataPath ../dec/P07S26C05R01/P07S26C05R01-$number.ply >> --reconstructedDataPath ../dec/P07S26C05R01/P07S26C05R01\_log.txt;

done

mkdir ../enc/P07S25C05R01

for number in {0100..1599};

do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 0 --positionQuantizationScale 500.1 --uncompressedDataPath ../uncompressed/ford\_01/ford\_01-$number.ply --compressedStreamPath ../enc/P07S25C05R01/P07S25C05R01-$number.bin >> ../enc/P07S25C05R01/P07S25C05R01\_log.txt;

done

mkdir ../dec/P07S25C05R01

for number in {0100..1599};

do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C05R01/P07S25C05R01-$number.bin --reconstructedDataPath ../dec/P07S25C05R01/P07S25C05R01-$number.ply >> --reconstructedDataPath ../dec/P07S25C05R01/P07S25C05R01\_log.txt;

done

## Script to generate the results for C06

|  |
| --- |
| #!/bin/zsh  mkdir ../enc  mkdir ../dec  mkdir ../enc/P07S28C06R06  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 100000 25000 6250 1563 391 98 24 6 0 --quantizationSteps 1 1 1 1 2 2 2 2 2 --quantizationDeadZoneSizes 1 1 1 1 2 2 2 2 2 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --compressedStreamPath ../enc/P07S28C06R06/P07S28C06R06.bin > ../enc/P07S28C06R06/P07S28C06R06\_log.txt  mkdir ../dec/P07S28C06R06  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --reconstructedDataPath ../dec/P07S28C06R06/P07S28C06R06.ply --compressedStreamPath ../enc/P07S28C06R06/P07S28C06R06.bin > ../dec/P07S28C06R06/P07S28C06R06\_log.txt  mkdir ../enc/P07S28C06R05  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 100000 25000 6250 1563 391 98 24 6 0 --quantizationSteps 1 2 4 4 4 4 4 8 8 --quantizationDeadZoneSizes 1 2 4 4 4 4 4 8 8 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --compressedStreamPath ../enc/P07S28C06R05/P07S28C06R05.bin > ../enc/P07S28C06R05/P07S28C06R05\_log.txt  mkdir ../dec/P07S28C06R05  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --reconstructedDataPath ../dec/P07S28C06R05/P07S28C06R05.ply --compressedStreamPath ../enc/P07S28C06R05/P07S28C06R05.bin > ../dec/P07S28C06R05/P07S28C06R05\_log.txt  mkdir ../enc/P07S28C06R04  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 100000 25000 6250 1563 391 98 24 6 0 --quantizationSteps 1 2 4 8 8 8 16 16 16 --quantizationDeadZoneSizes 1 2 4 8 8 8 16 16 16 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --compressedStreamPath ../enc/P07S28C06R04/P07S28C06R04.bin > ../enc/P07S28C06R04/P07S28C06R04\_log.txt  mkdir ../dec/P07S28C06R04  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --reconstructedDataPath ../dec/P07S28C06R04/P07S28C06R04.ply --compressedStreamPath ../enc/P07S28C06R04/P07S28C06R04.bin > ../dec/P07S28C06R04/P07S28C06R04\_log.txt  mkdir ../enc/P07S28C06R03  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 100000 25000 6250 1563 391 98 24 6 0 --quantizationSteps 1 2 4 8 16 32 32 32 34 --quantizationDeadZoneSizes 1 2 4 8 16 32 32 32 34 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --compressedStreamPath ../enc/P07S28C06R03/P07S28C06R03.bin > ../enc/P07S28C06R03/P07S28C06R03\_log.txt  mkdir ../dec/P07S28C06R03  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --reconstructedDataPath ../dec/P07S28C06R03/P07S28C06R03.ply --compressedStreamPath ../enc/P07S28C06R03/P07S28C06R03.bin > ../dec/P07S28C06R03/P07S28C06R03\_log.txt  mkdir ../enc/P07S28C06R02  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 100000 25000 6250 1563 391 98 24 6 0 --quantizationSteps 1 2 4 8 16 32 64 64 66 --quantizationDeadZoneSizes 1 2 4 8 16 32 64 64 66 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --compressedStreamPath ../enc/P07S28C06R02/P07S28C06R02.bin > ../enc/P07S28C06R02/P07S28C06R02\_log.txt  mkdir ../dec/P07S28C06R02  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --reconstructedDataPath ../dec/P07S28C06R02/P07S28C06R02.ply --compressedStreamPath ../enc/P07S28C06R02/P07S28C06R02.bin > ../dec/P07S28C06R02/P07S28C06R02\_log.txt  mkdir ../enc/P07S28C06R01  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 100000 25000 6250 1563 391 98 24 6 0 --quantizationSteps 1 2 4 8 16 32 64 128 128 --quantizationDeadZoneSizes 1 2 4 8 16 32 64 128 128 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --compressedStreamPath ../enc/P07S28C06R01/P07S28C06R01.bin > ../enc/P07S28C06R01/P07S28C06R01\_log.txt  mkdir ../dec/P07S28C06R01  ../app/tmc3 --mode 3 --uncompressedDataPath ../uncompressed/citytunnel/citytunnel\_with\_normal.ply --reconstructedDataPath ../dec/P07S28C06R01/P07S28C06R01.ply --compressedStreamPath ../enc/P07S28C06R01/P07S28C06R01.bin > ../dec/P07S28C06R01/P07S28C06R01\_log.txt  mkdir ../enc/P07S30C06R06  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 144000 36000 9000 2250 563 141 35 9 0 --quantizationSteps 1 1 1 1 1 1 1 1 2 --quantizationDeadZoneSizes 1 1 1 1 1 1 1 1 2 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply --compressedStreamPath ../enc/P07S30C06R06/P07S30C06R06.bin > ../enc/P07S30C06R06/P07S30C06R06\_log.txt  mkdir ../dec/P07S30C06R06  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R06/P07S30C06R06.bin --reconstructedDataPath ../dec/P07S30C06R06/P07S30C06R06.ply --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply > ../dec/P07S30C06R06/P07S30C06R06\_log.txt  mkdir ../enc/P07S30C06R05  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 144000 36000 9000 2250 563 141 35 9 0 --quantizationSteps 1 2 4 4 4 4 4 4 6 --quantizationDeadZoneSizes 1 2 4 4 4 4 4 4 6 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply --compressedStreamPath ../enc/P07S30C06R05/P07S30C06R05.bin > ../enc/P07S30C06R05/P07S30C06R05\_log.txt  mkdir ../dec/P07S30C06R05  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R05/P07S30C06R05.bin --reconstructedDataPath ../dec/P07S30C06R05/P07S30C06R05.ply --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply > ../dec/P07S30C06R05/P07S30C06R05\_log.txt  mkdir ../enc/P07S30C06R04  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 144000 36000 9000 2250 563 141 35 9 0 --quantizationSteps 1 2 4 8 8 8 8 10 16 --quantizationDeadZoneSizes 1 2 4 8 8 8 8 10 16 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply --compressedStreamPath ../enc/P07S30C06R04/P07S30C06R04.bin > ../enc/P07S30C06R04/P07S30C06R04\_log.txt  mkdir ../dec/P07S30C06R04  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R04/P07S30C06R04.bin --reconstructedDataPath ../dec/P07S30C06R04/P07S30C06R04.ply --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply > ../dec/P07S30C06R04/P07S30C06R04\_log.txt  mkdir ../enc/P07S30C06R03  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 144000 36000 9000 2250 563 141 35 9 0 --quantizationSteps 1 2 4 8 16 16 16 32 32 --quantizationDeadZoneSizes 1 2 4 8 16 16 16 32 32 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply --compressedStreamPath ../enc/P07S30C06R03/P07S30C06R03.bin > ../enc/P07S30C06R03/P07S30C06R03\_log.txt  mkdir ../dec/P07S30C06R03  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R03/P07S30C06R03.bin --reconstructedDataPath ../dec/P07S30C06R03/P07S30C06R03.ply --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply > ../dec/P07S30C06R03/P07S30C06R03\_log.txt  mkdir ../enc/P07S30C06R02  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 144000 36000 9000 2250 563 141 35 9 0 --quantizationSteps 1 2 4 8 16 32 32 64 64 --quantizationDeadZoneSizes 1 2 4 8 16 32 32 64 64 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply --compressedStreamPath ../enc/P07S30C06R02/P07S30C06R02.bin > ../enc/P07S30C06R02/P07S30C06R02\_log.txt  mkdir ../dec/P07S30C06R02  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R02/P07S30C06R02.bin --reconstructedDataPath ../dec/P07S30C06R02/P07S30C06R02.ply --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply > ../dec/P07S30C06R02/P07S30C06R02\_log.txt  mkdir ../enc/P07S30C06R01  ../app/tmc3 --mode 2 --colorTransform 1 --numberOfNearestNeighborsInPrediction 8 --positionQuantizationScale 1.0 --levelOfDetailCount 9 --dist2 144000 36000 9000 2250 563 141 35 9 0 --quantizationSteps 1 2 4 8 16 32 64 128 128 --quantizationDeadZoneSizes 1 2 4 8 16 32 64 128 128 --searchRange 2 --attribute color --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply --compressedStreamPath ../enc/P07S30C06R01/P07S30C06R01.bin > ../enc/P07S30C06R01/P07S30C06R01\_log.txt  mkdir ../dec/P07S30C06R01  ../app/tmc3 --mode 3 --compressedStreamPath ../enc/P07S30C06R01/P07S30C06R01.bin --reconstructedDataPath ../dec/P07S30C06R01/P07S30C06R01.ply --uncompressedDataPath ../uncompressed/tollbooth/tollbooth\_with\_normal.ply > ../dec/P07S30C06R01/P07S30C06R01\_log.txt |

## Script to generate the results for C08

|  |
| --- |
| #!/bin/zsh  mkdir ../enc  mkdir ../dec  mkdir ../enc/P07S25C08R01  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 1.7 --uncompressedDataPath ../uncompressed/Ford\_01/Ford\_01-$number.ply --compressedStreamPath ../enc/P07S25C08R01/P07S25C08R01-$number.bin >> ../enc/P07S25C08R01/P07S25C08R01\_log.txt;  done  mkdir ../dec/P07S25C08R01  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R01/P07S25C08R01-$number.bin --reconstructedDataPath ../dec/P07S25C08R01/P07S25C08R01-$number.ply >> ../dec/P07S25C08R01/P07S25C08R01\_log.txt;  done  mkdir ../enc/P07S25C08R02  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 2.7 --uncompressedDataPath ../uncompressed/Ford\_01/Ford\_01-$number.ply --compressedStreamPath ../enc/P07S25C08R02/P07S25C08R02-$number.bin >> ../enc/P07S25C08R02/P07S25C08R02\_log.txt;  done  mkdir ../dec/P07S25C08R02  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R02/P07S25C08R02-$number.bin --reconstructedDataPath ../dec/P07S25C08R02/P07S25C08R02-$number.ply >> ../dec/P07S25C08R02/P07S25C08R02\_log.txt;  done  mkdir ../enc/P07S25C08R03  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 5.0 --uncompressedDataPath ../uncompressed/Ford\_01/Ford\_01-$number.ply --compressedStreamPath ../enc/P07S25C08R03/P07S25C08R03-$number.bin >> ../enc/P07S25C08R03/P07S25C08R03\_log.txt;  done  mkdir ../dec/P07S25C08R03  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R03/P07S25C08R03-$number.bin --reconstructedDataPath ../dec/P07S25C08R03/P07S25C08R03-$number.ply >> ../dec/P07S25C08R03/P07S25C08R03\_log.txt;  done  mkdir ../enc/P07S25C08R04  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 11.0 --uncompressedDataPath ../uncompressed/Ford\_01/Ford\_01-$number.ply --compressedStreamPath ../enc/P07S25C08R04/P07S25C08R04-$number.bin >> ../enc/P07S25C08R04/P07S25C08R04\_log.txt;  done  mkdir ../dec/P07S25C08R04  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R04/P07S25C08R04-$number.bin --reconstructedDataPath ../dec/P07S25C08R04/P07S25C08R04-$number.ply >> ../dec/P07S25C08R04/P07S25C08R04\_log.txt;  done  mkdir ../enc/P07S25C08R05  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 30.0 --uncompressedDataPath ../uncompressed/Ford\_01/Ford\_01-$number.ply --compressedStreamPath ../enc/P07S25C08R05/P07S25C08R05-$number.bin >> ../enc/P07S25C08R05/P07S25C08R05\_log.txt;  done  mkdir ../dec/P07S25C08R05  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R05/P07S25C08R05-$number.bin --reconstructedDataPath ../dec/P07S25C08R05/P07S25C08R05-$number.ply >> ../dec/P07S25C08R05/P07S25C08R05\_log.txt;  done  mkdir ../enc/P07S25C08R06  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 80.0 --uncompressedDataPath ../uncompressed/Ford\_01/Ford\_01-$number.ply --compressedStreamPath ../enc/P07S25C08R06/P07S25C08R06-$number.bin >> ../enc/P07S25C08R06/P07S25C08R06\_log.txt;  done  mkdir ../dec/P07S25C08R06  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R06/P07S25C08R06-$number.bin --reconstructedDataPath ../dec/P07S25C08R06/P07S25C08R06-$number.ply >> ../dec/P07S25C08R06/P07S25C08R06\_log.txt;  done  mkdir ../enc/P07S25C08R07  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 1500.0 --uncompressedDataPath ../uncompressed/Ford\_01/Ford\_01-$number.ply --compressedStreamPath ../enc/P07S25C08R07/P07S25C08R07-$number.bin >> ../enc/P07S25C08R07/P07S25C08R07\_log.txt;  done  mkdir ../dec/P07S25C08R07  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S25C08R07/P07S25C08R07-$number.bin --reconstructedDataPath ../dec/P07S25C08R07/P07S25C08R07-$number.ply >> ../dec/P07S25C08R07/P07S25C08R07\_log.txt;  done  mkdir ../enc/P07S26C08R01  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 1.85 --uncompressedDataPath ../uncompressed/Ford\_02/Ford\_02-$number.ply --compressedStreamPath ../enc/P07S26C08R01/P07S26C08R01-$number.bin >> ../enc/P07S26C08R01/P07S26C08R01\_log.txt;  done  mkdir ../dec/P07S26C08R01  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R01/P07S26C08R01-$number.bin --reconstructedDataPath ../dec/P07S26C08R01/P07S26C08R01-$number.ply >> ../dec/P07S26C08R01/P07S26C08R01\_log.txt;  done  mkdir ../enc/P07S26C08R02  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 2.85 --uncompressedDataPath ../uncompressed/Ford\_02/Ford\_02-$number.ply --compressedStreamPath ../enc/P07S26C08R02/P07S26C08R02-$number.bin >> ../enc/P07S26C08R02/P07S26C08R02\_log.txt;  done  mkdir ../dec/P07S26C08R02  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R02/P07S26C08R02-$number.bin --reconstructedDataPath ../dec/P07S26C08R02/P07S26C08R02-$number.ply >> ../dec/P07S26C08R02/P07S26C08R02\_log.txt;  done  mkdir ../enc/P07S26C08R03  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 5.2 --uncompressedDataPath ../uncompressed/Ford\_02/Ford\_02-$number.ply --compressedStreamPath ../enc/P07S26C08R03/P07S26C08R03-$number.bin >> ../enc/P07S26C08R03/P07S26C08R03\_log.txt;  done  mkdir ../dec/P07S26C08R03  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R03/P07S26C08R03-$number.bin --reconstructedDataPath ../dec/P07S26C08R03/P07S26C08R03-$number.ply >> ../dec/P07S26C08R03/P07S26C08R03\_log.txt;  done  mkdir ../enc/P07S26C08R04  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 12.0 --uncompressedDataPath ../uncompressed/Ford\_02/Ford\_02-$number.ply --compressedStreamPath ../enc/P07S26C08R04/P07S26C08R04-$number.bin >> ../enc/P07S26C08R04/P07S26C08R04\_log.txt;  done  mkdir ../dec/P07S26C08R04  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R04/P07S26C08R04-$number.bin --reconstructedDataPath ../dec/P07S26C08R04/P07S26C08R04-$number.ply >> ../dec/P07S26C08R04/P07S26C08R04\_log.txt;  done  mkdir ../enc/P07S26C08R05  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 30.0 --uncompressedDataPath ../uncompressed/Ford\_02/Ford\_02-$number.ply --compressedStreamPath ../enc/P07S26C08R05/P07S26C08R05-$number.bin >> ../enc/P07S26C08R05/P07S26C08R05\_log.txt;  done  mkdir ../dec/P07S26C08R05  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R05/P07S26C08R05-$number.bin --reconstructedDataPath ../dec/P07S26C08R05/P07S26C08R05-$number.ply >> ../dec/P07S26C08R05/P07S26C08R05\_log.txt;  done  mkdir ../enc/P07S26C08R06  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 80.0 --uncompressedDataPath ../uncompressed/Ford\_02/Ford\_02-$number.ply --compressedStreamPath ../enc/P07S26C08R06/P07S26C08R06-$number.bin >> ../enc/P07S26C08R06/P07S26C08R06\_log.txt;  done  mkdir ../dec/P07S26C08R06  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R06/P07S26C08R06-$number.bin --reconstructedDataPath ../dec/P07S26C08R06/P07S26C08R06-$number.ply >> ../dec/P07S26C08R06/P07S26C08R06\_log.txt;  done  mkdir ../enc/P07S26C08R07  for number in {0100..1599};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 1500.0 --uncompressedDataPath ../uncompressed/Ford\_02/Ford\_02-$number.ply --compressedStreamPath ../enc/P07S26C08R07/P07S26C08R07-$number.bin >> ../enc/P07S26C08R07/P07S26C08R07\_log.txt;  done  mkdir ../dec/P07S26C08R07  for number in {0100..1599};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S26C08R07/P07S26C08R07-$number.bin --reconstructedDataPath ../dec/P07S26C08R07/P07S26C08R07-$number.ply >> ../dec/P07S26C08R07/P07S26C08R07\_log.txt;  done  mkdir ../enc/P07S27C08R01  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 1.5 --uncompressedDataPath ../uncompressed/Ford\_03/Ford\_03-$number.ply --compressedStreamPath ../enc/P07S27C08R01/P07S27C08R01-$number.bin >> ../enc/P07S27C08R01/P07S27C08R01\_log.txt;  done  mkdir ../dec/P07S27C08R01  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R01/P07S27C08R01-$number.bin --reconstructedDataPath ../dec/P07S27C08R01/P07S27C08R01-$number.ply >> ../dec/P07S27C08R01/P07S27C08R01\_log.txt;  done  mkdir ../enc/P07S27C08R02  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 2.5 --uncompressedDataPath ../uncompressed/Ford\_03/Ford\_03-$number.ply --compressedStreamPath ../enc/P07S27C08R02/P07S27C08R02-$number.bin >> ../enc/P07S27C08R02/P07S27C08R02\_log.txt;  done  mkdir ../dec/P07S27C08R02  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R02/P07S27C08R02-$number.bin --reconstructedDataPath ../dec/P07S27C08R02/P07S27C08R02-$number.ply >> ../dec/P07S27C08R02/P07S27C08R02\_log.txt;  done  mkdir ../enc/P07S27C08R03  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 5.0 --uncompressedDataPath ../uncompressed/Ford\_03/Ford\_03-$number.ply --compressedStreamPath ../enc/P07S27C08R03/P07S27C08R03-$number.bin >> ../enc/P07S27C08R03/P07S27C08R03\_log.txt;  done  mkdir ../dec/P07S27C08R03  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R03/P07S27C08R03-$number.bin --reconstructedDataPath ../dec/P07S27C08R03/P07S27C08R03-$number.ply >> ../dec/P07S27C08R03/P07S27C08R03\_log.txt;  done  mkdir ../enc/P07S27C08R04  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 10.0 --uncompressedDataPath ../uncompressed/Ford\_03/Ford\_03-$number.ply --compressedStreamPath ../enc/P07S27C08R04/P07S27C08R04-$number.bin >> ../enc/P07S27C08R04/P07S27C08R04\_log.txt;  done  mkdir ../dec/P07S27C08R04  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R04/P07S27C08R04-$number.bin --reconstructedDataPath ../dec/P07S27C08R04/P07S27C08R04-$number.ply >> ../dec/P07S27C08R04/P07S27C08R04\_log.txt;  done  mkdir ../enc/P07S27C08R05  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 25.0 --uncompressedDataPath ../uncompressed/Ford\_03/Ford\_03-$number.ply --compressedStreamPath ../enc/P07S27C08R05/P07S27C08R05-$number.bin >> ../enc/P07S27C08R05/P07S27C08R05\_log.txt;  done  mkdir ../dec/P07S27C08R05  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R05/P07S27C08R05-$number.bin --reconstructedDataPath ../dec/P07S27C08R05/P07S27C08R05-$number.ply >> ../dec/P07S27C08R05/P07S27C08R05\_log.txt;  done  mkdir ../enc/P07S27C08R06  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 70.0 --uncompressedDataPath ../uncompressed/Ford\_03/Ford\_03-$number.ply --compressedStreamPath ../enc/P07S27C08R06/P07S27C08R06-$number.bin >> ../enc/P07S27C08R06/P07S27C08R06\_log.txt;  done  mkdir ../dec/P07S27C08R06  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R06/P07S27C08R06-$number.bin --reconstructedDataPath ../dec/P07S27C08R06/P07S27C08R06-$number.ply >> ../dec/P07S27C08R06/P07S27C08R06\_log.txt;  done  mkdir ../enc/P07S27C08R07  for number in {0200..1699};  do ../app/tmc3 --mode 0 --mergeDuplicatedPoints 1 --positionQuantizationScale 1200.0 --uncompressedDataPath ../uncompressed/Ford\_03/Ford\_03-$number.ply --compressedStreamPath ../enc/P07S27C08R07/P07S27C08R07-$number.bin >> ../enc/P07S27C08R07/P07S27C08R07\_log.txt;  done  mkdir ../dec/P07S27C08R07  for number in {0200..1699};  do ../app/tmc3 --mode 1 --compressedStreamPath ../enc/P07S27C08R07/P07S27C08R07-$number.bin --reconstructedDataPath ../dec/P07S27C08R07/P07S27C08R07-$number.ply >> ../dec/P07S27C08R07/P07S27C08R07\_log.txt;  done |