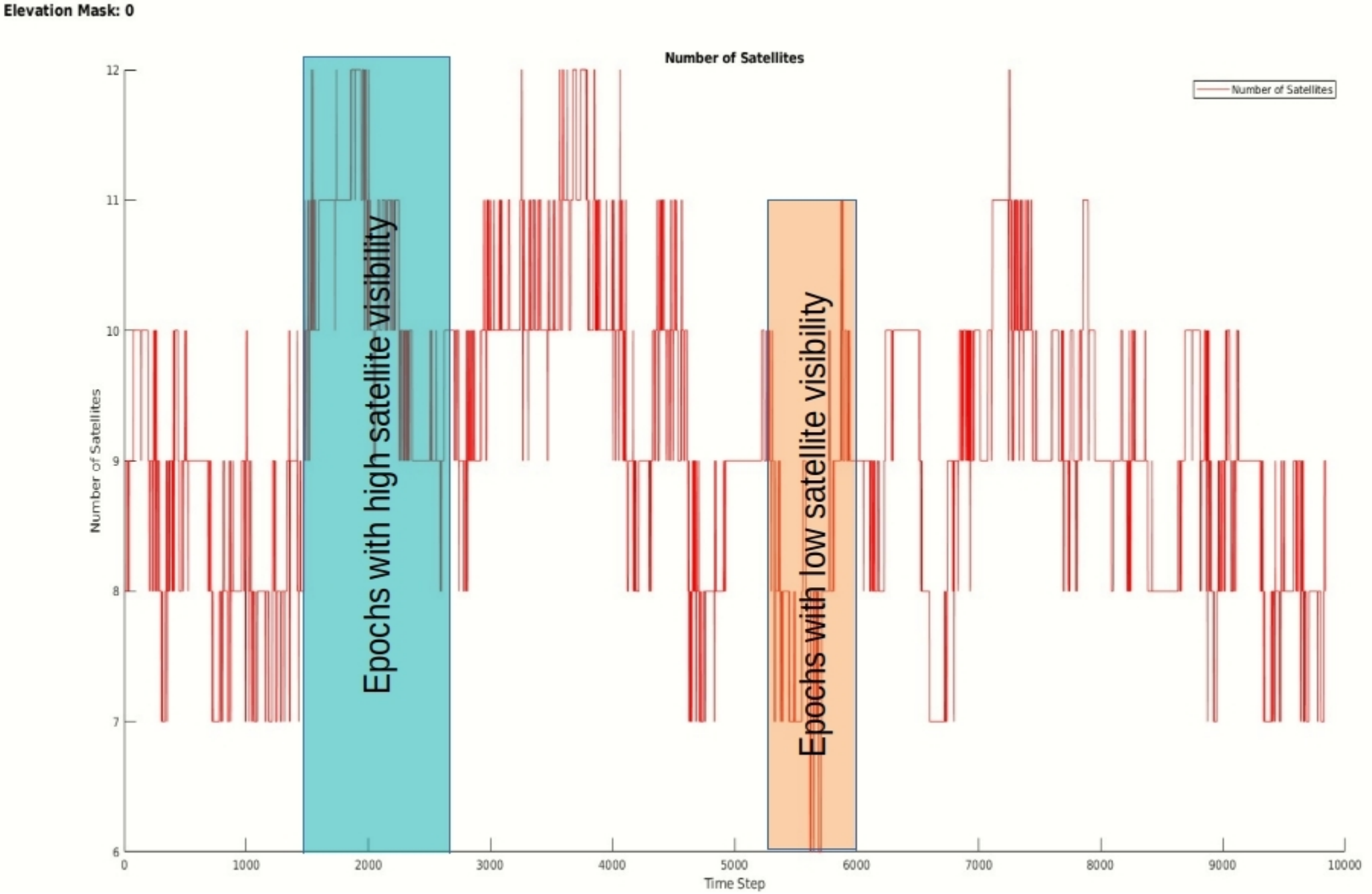
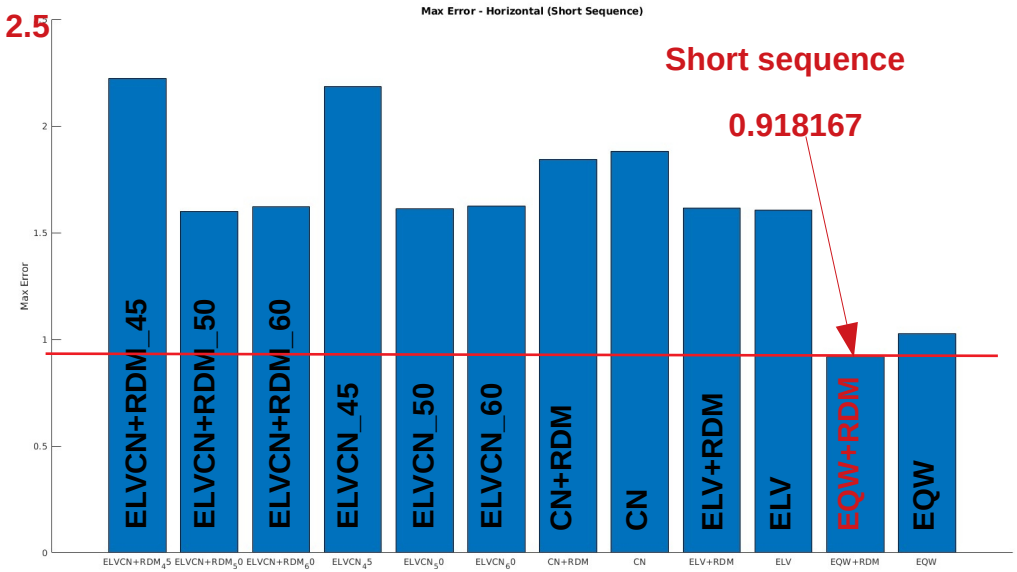
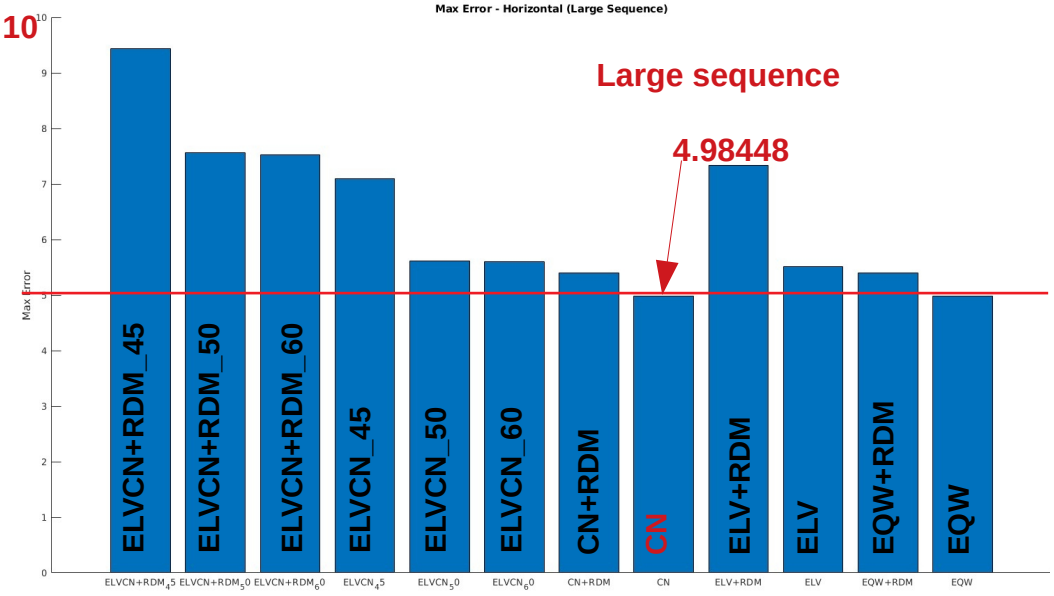
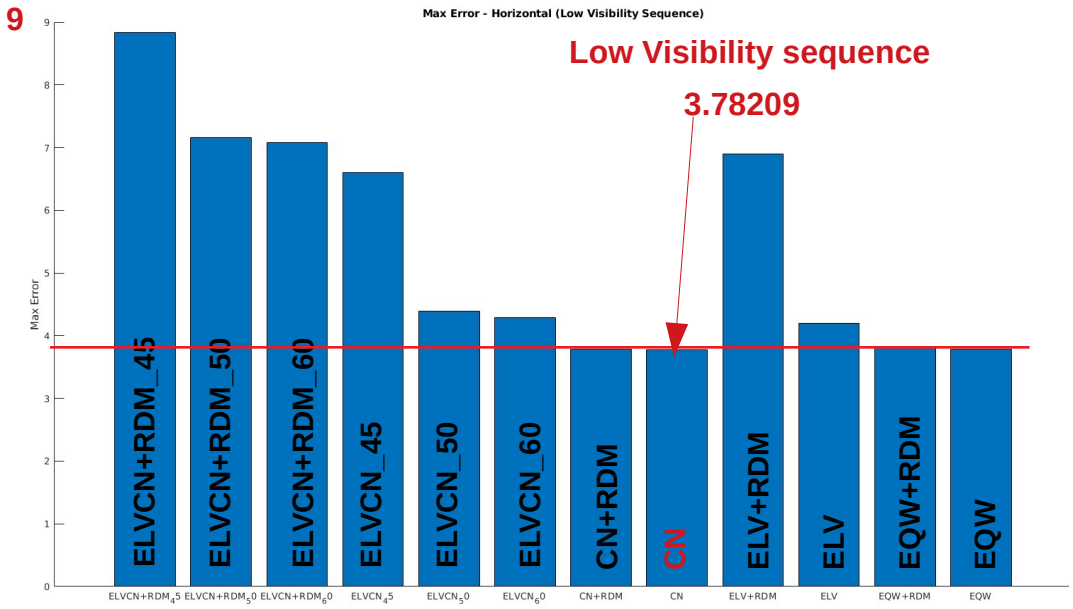
Satellite Visibility Regions

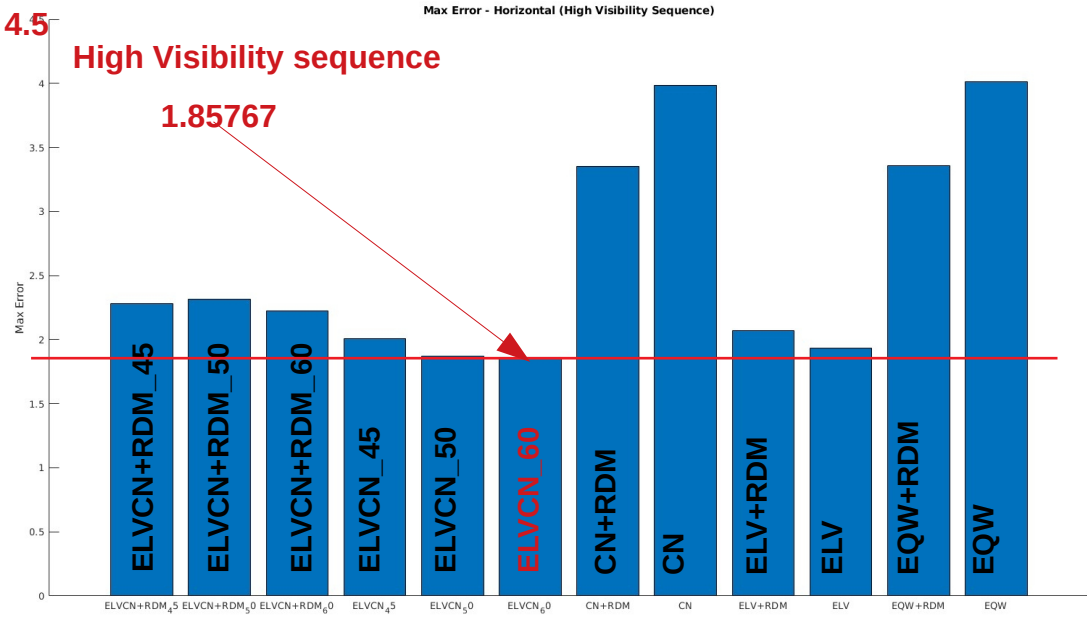


Max Error - Horizontal

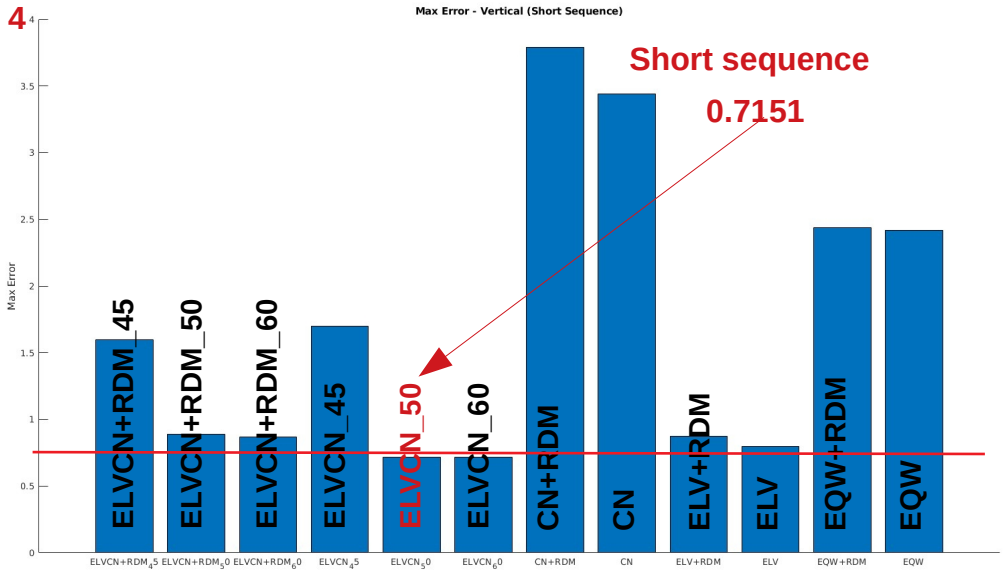


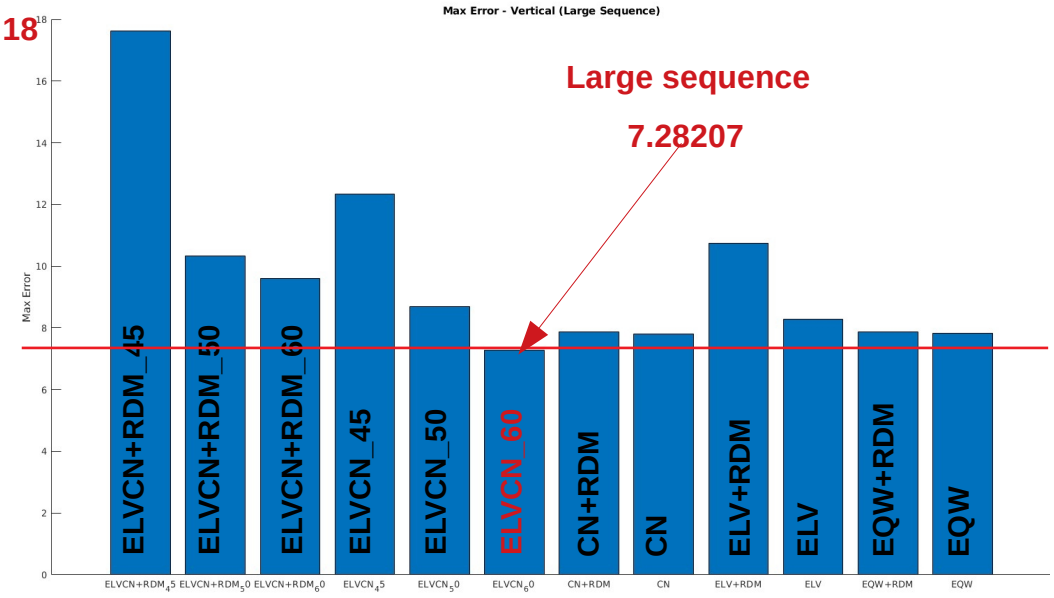


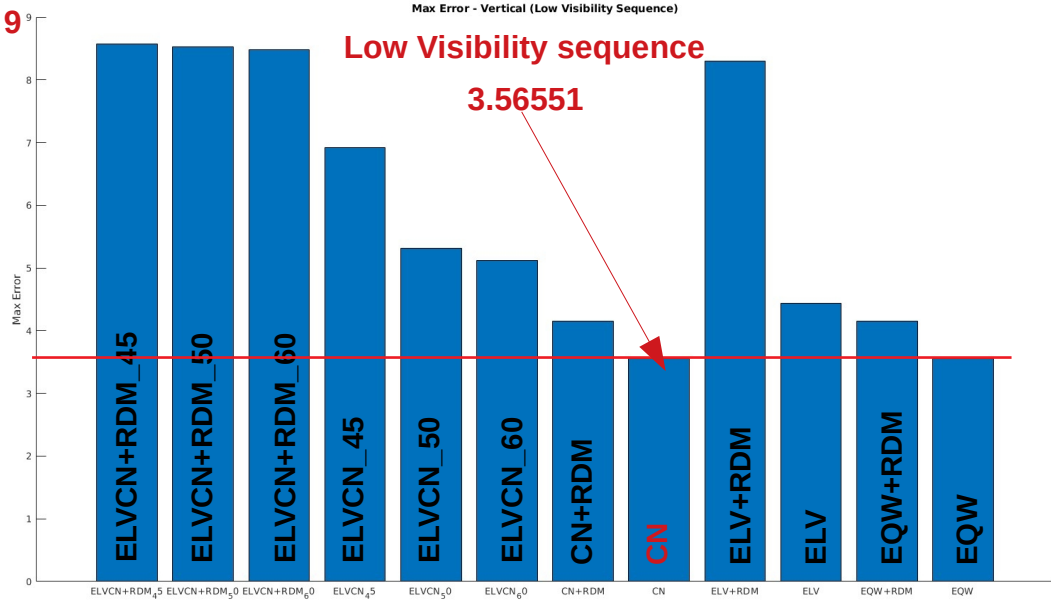


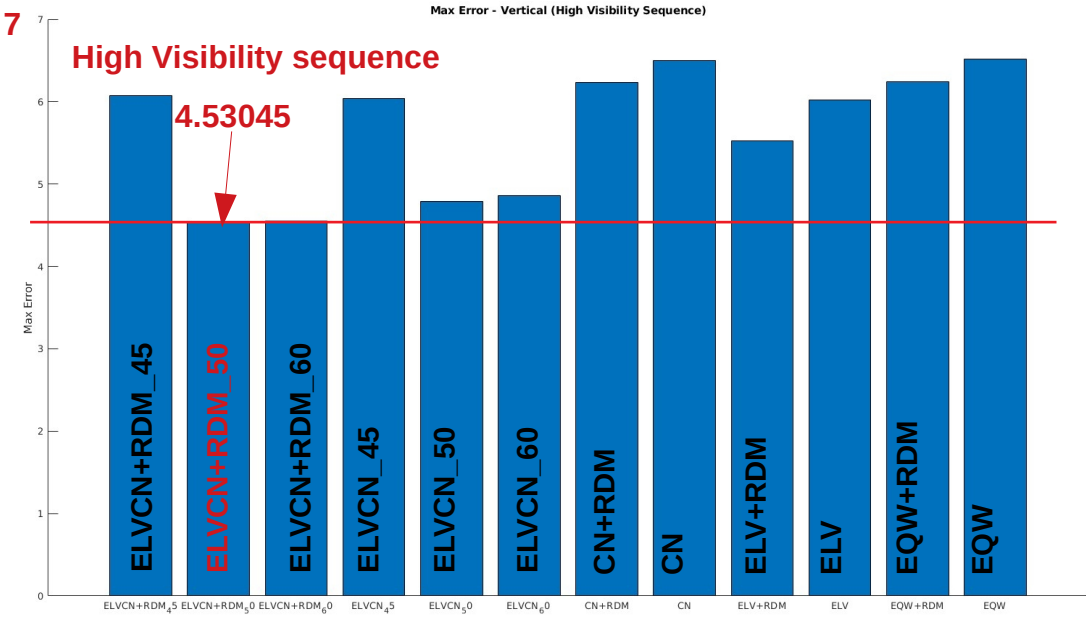


Max Error - Vertical

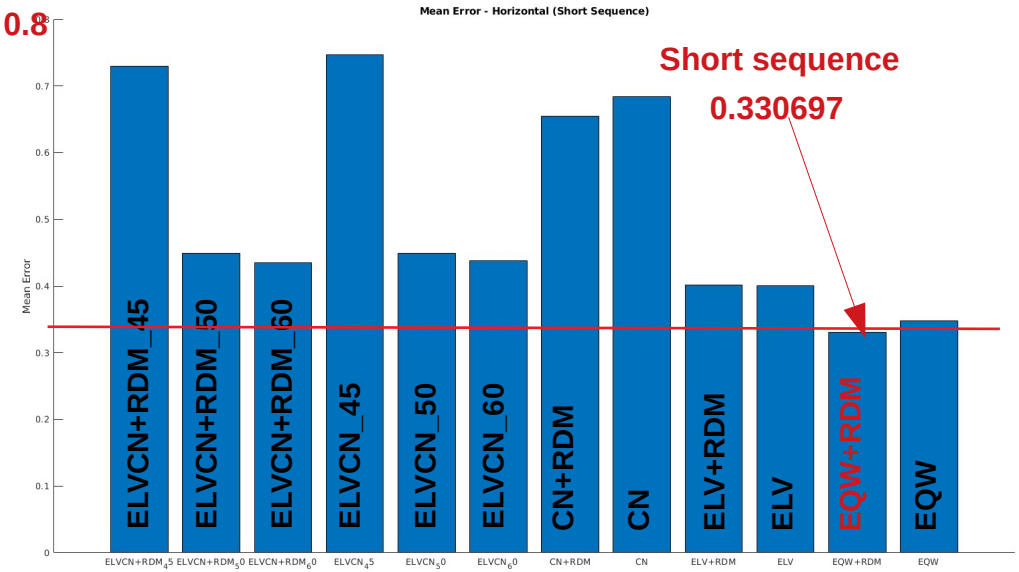


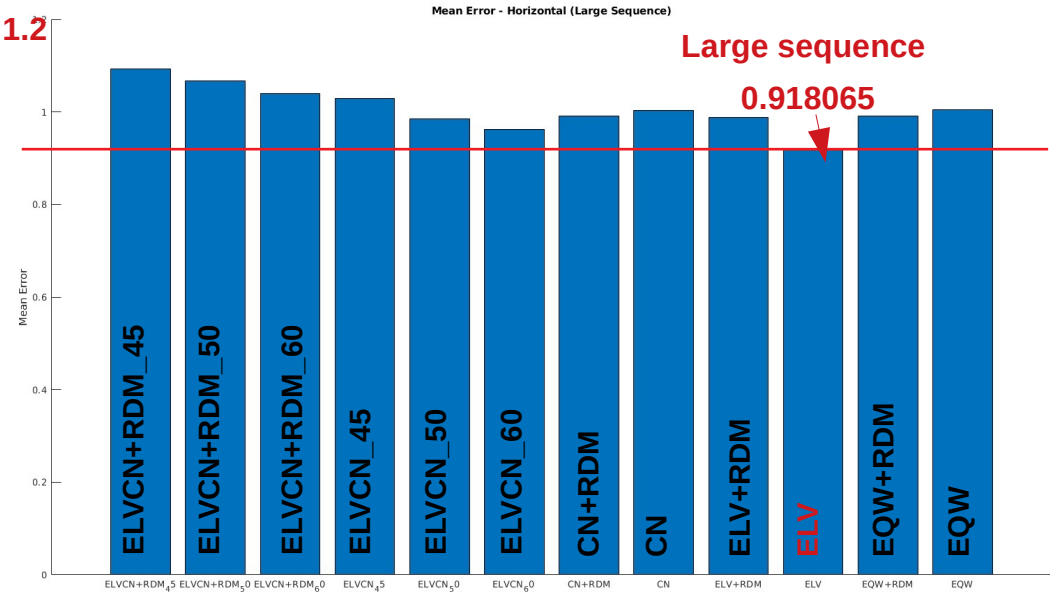


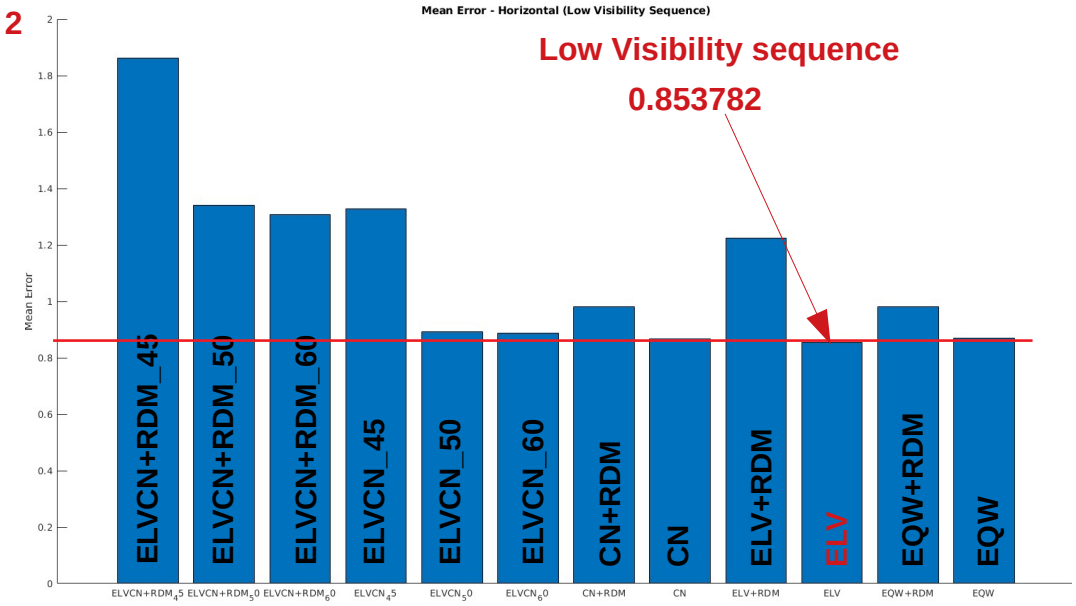


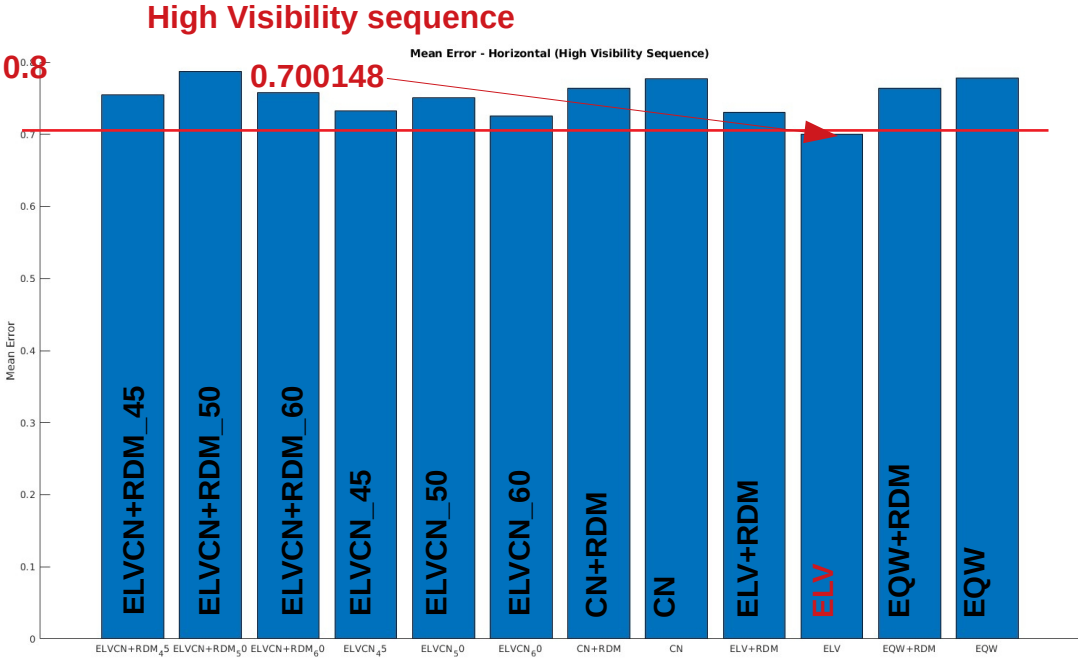


Mean Error - Horizontal

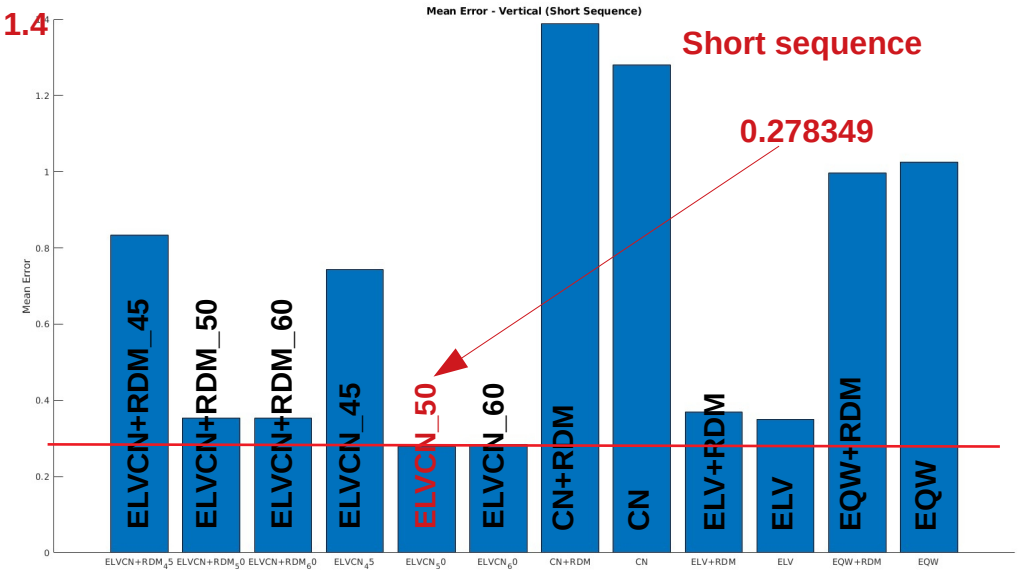


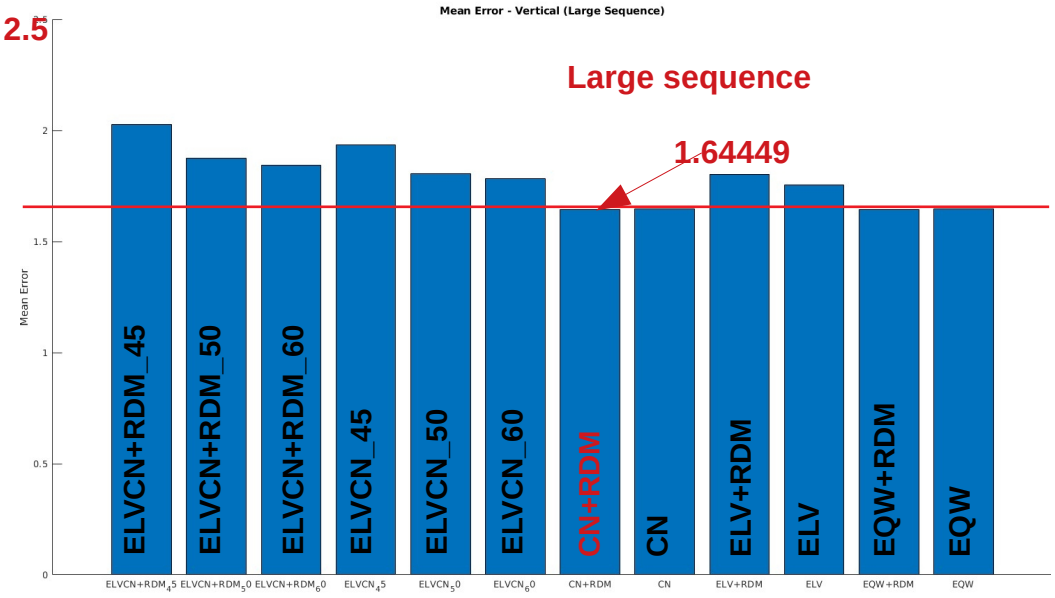


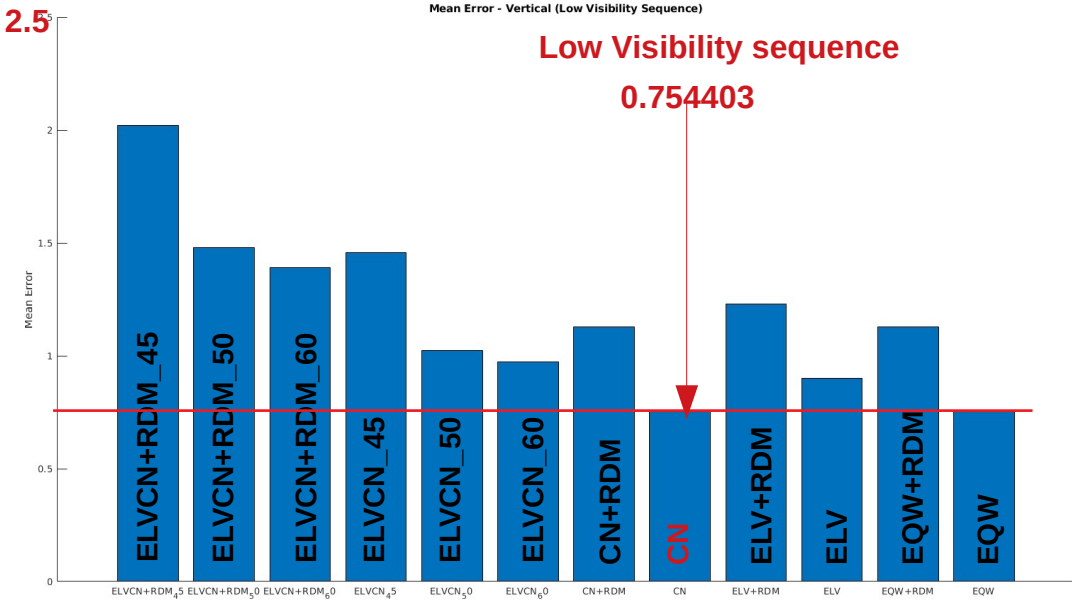


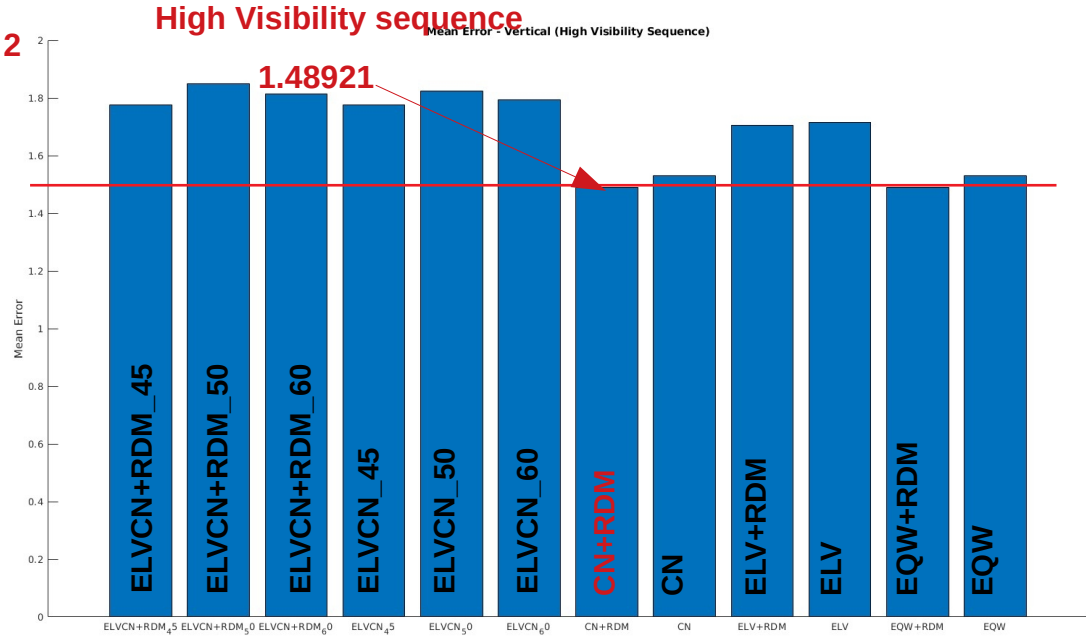


Mean Error - Vertical

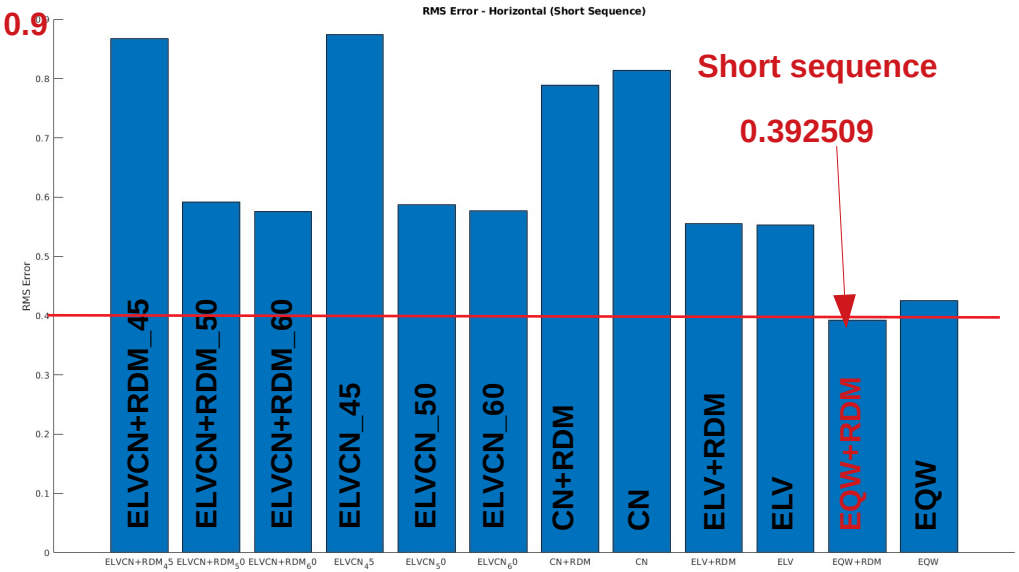


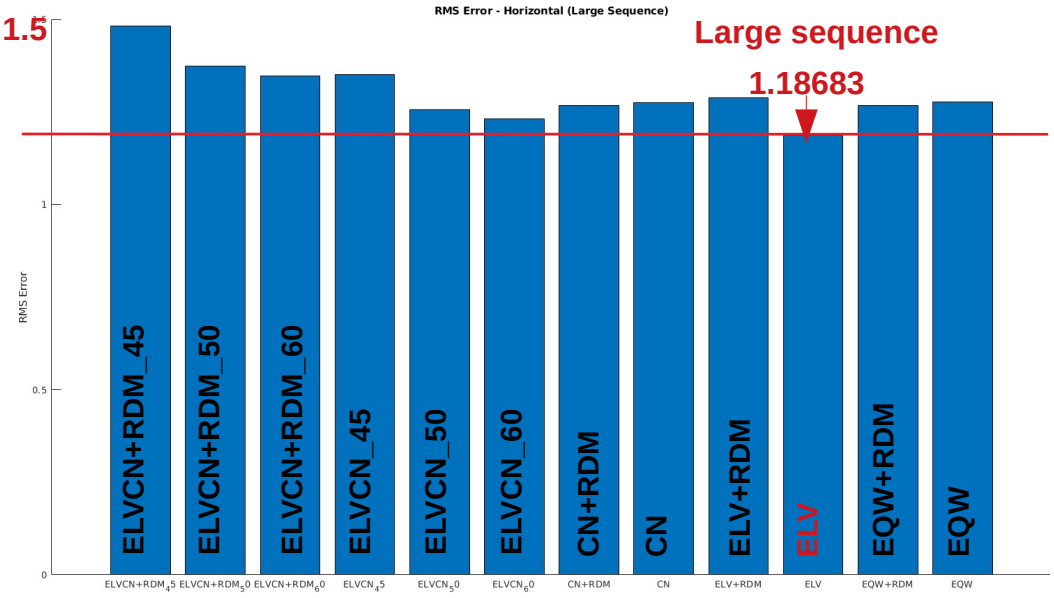


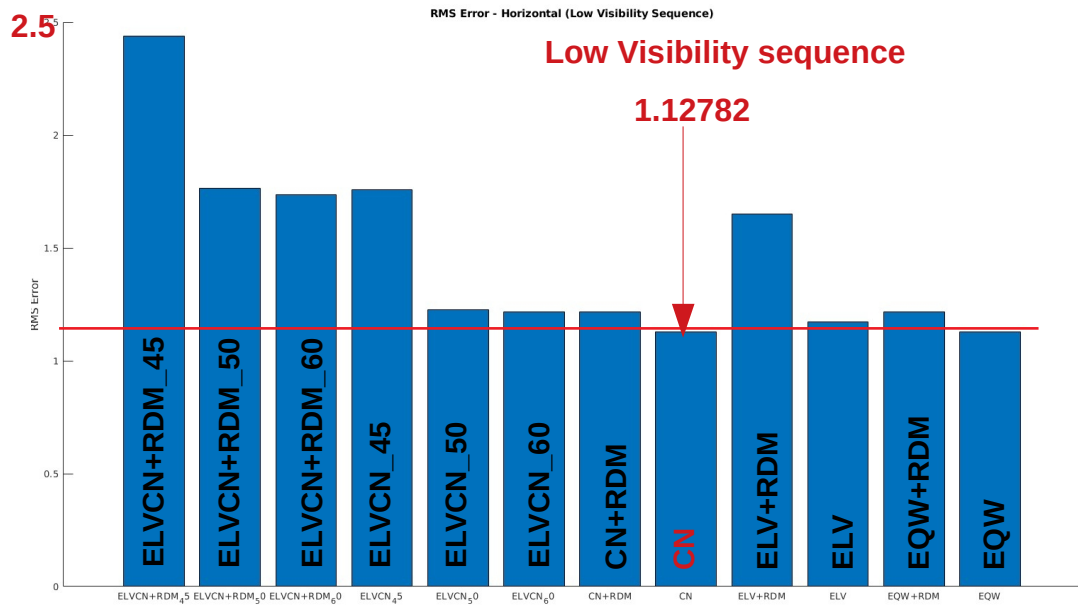


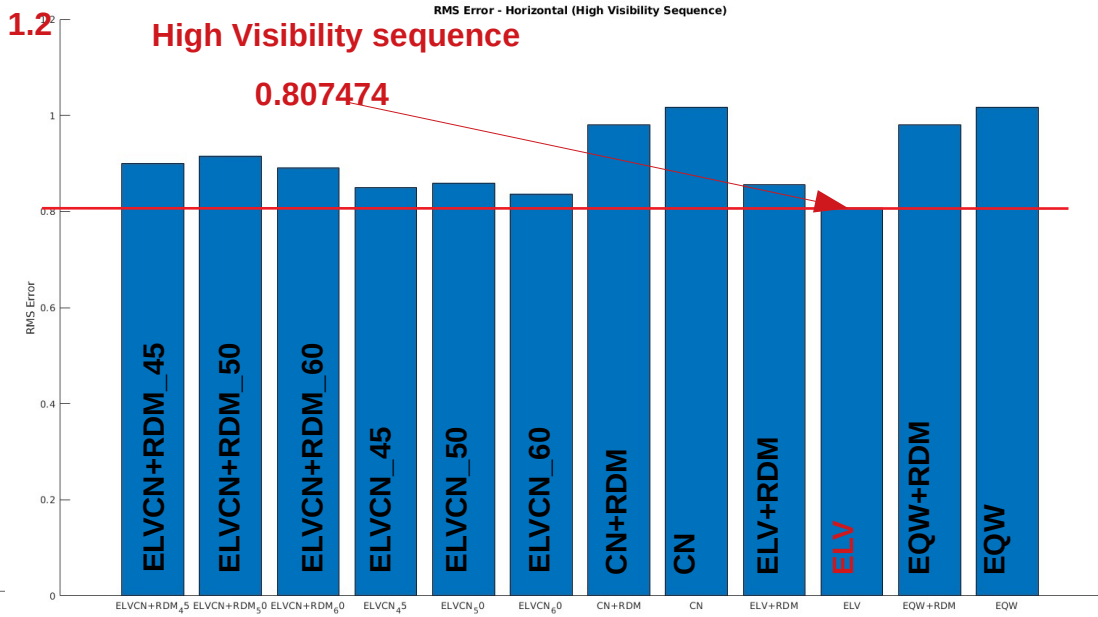


RMS Error - Horizontal

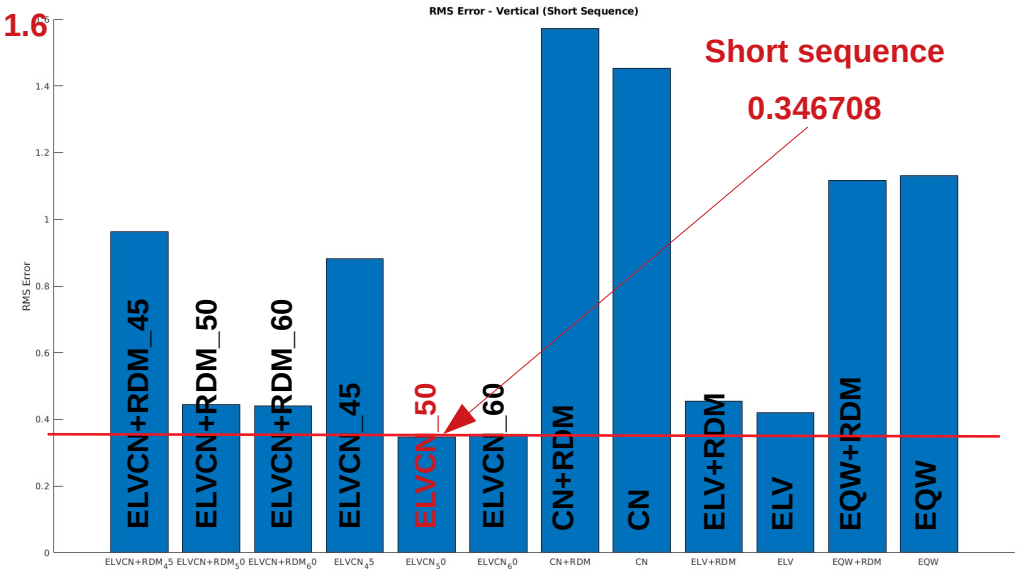


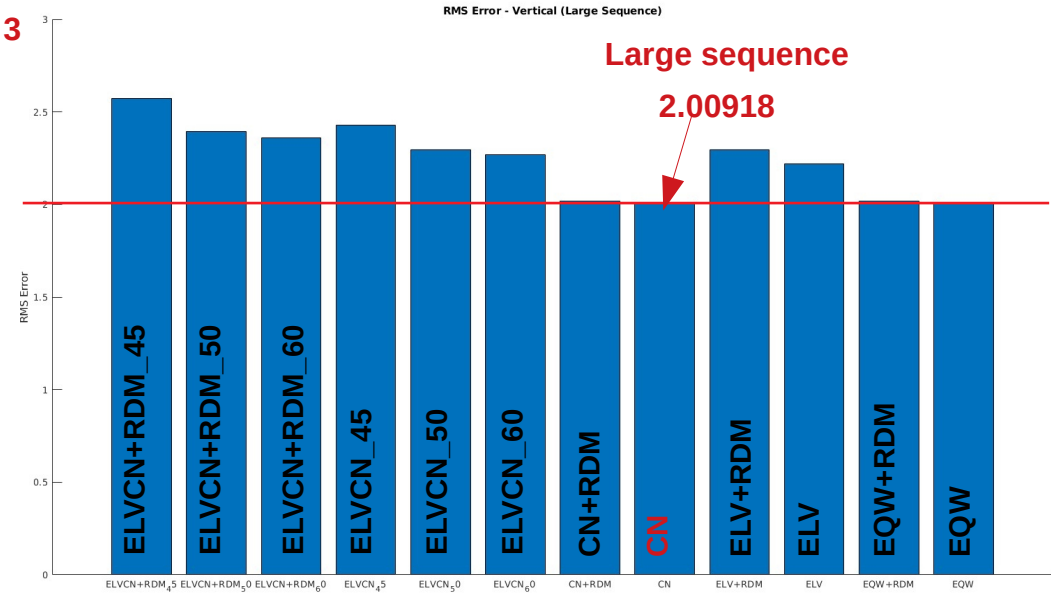


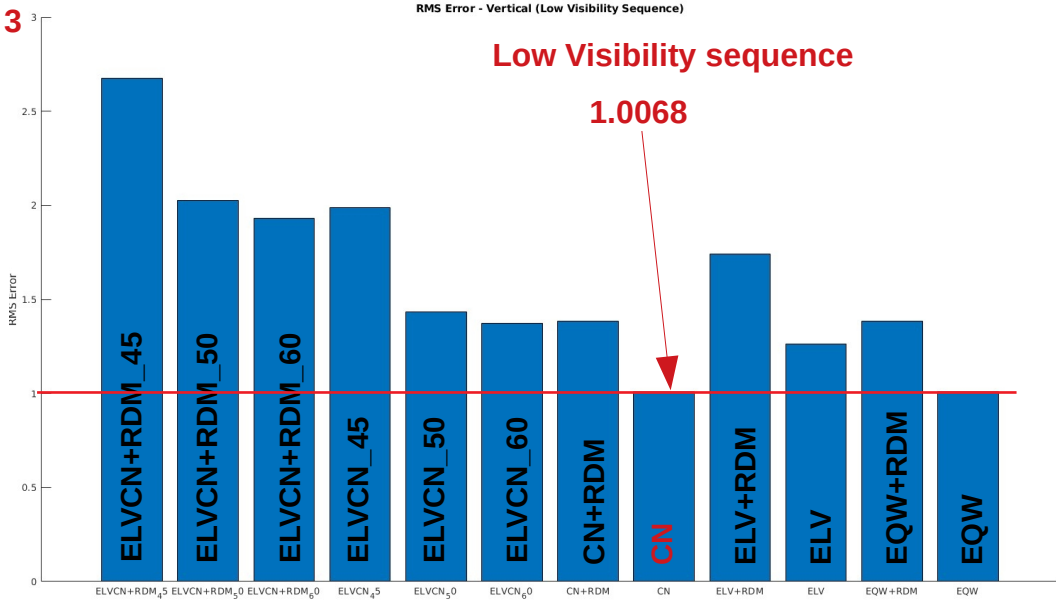


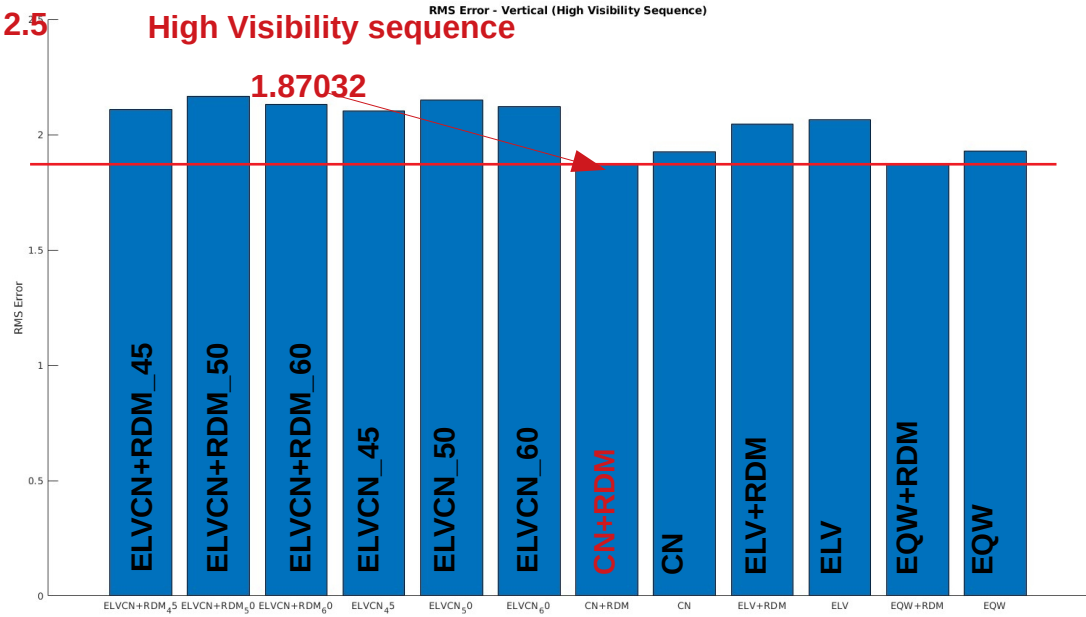


RMS Error - Vertical









INFERENCES

Redundancy Matrix

Redundancy matrix provided better results or in some cases slightly worse or similar errors in both high visibility sequence and short sequence.

In case of the large sequence or the low visibility sequence the redundancy matrix performed comparitively worser than techniques without redundancy matrix.

Best Performing Techniques by error type:

Horizontal

Max Error: EQW+RDM (Short), CN (Large), CN (Low), ELVCN_60 (High)

Mean Error: ELVCN_50 (Short), ELVCN_60 (Large), CN (Low), ELVCN+RDM_50 (High)

RMS Error: EQW+RDM (Short), ELV (large), CN(Low), ELV (High)

Vertical

Max Error: ELVCN_50 (Short), ELVCN_60 (Large), CN (Low), ELVCN+RDM_50 (High)

Mean Error: ELVCN_50 (Short), CN+RDM (Large), CN (Low), CN+RDM (High)

RMS Error: ELVCN_50 (Short), CN (Large), CN (Low), CN+RDM (High)