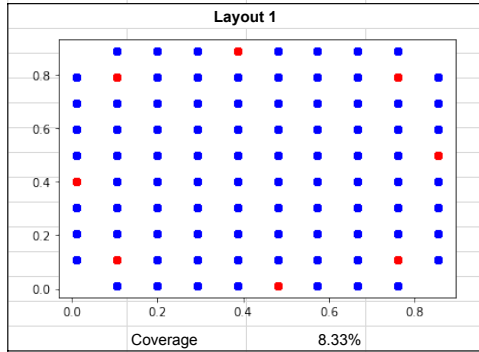


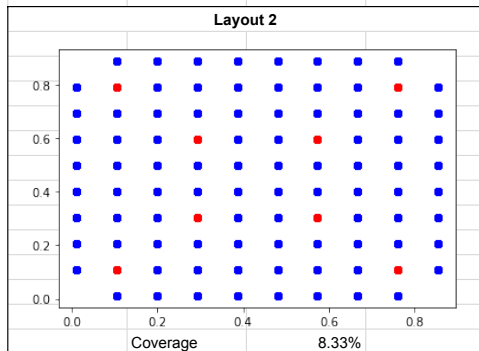
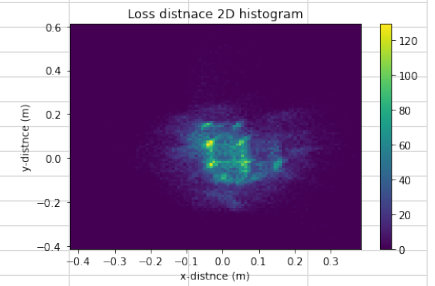
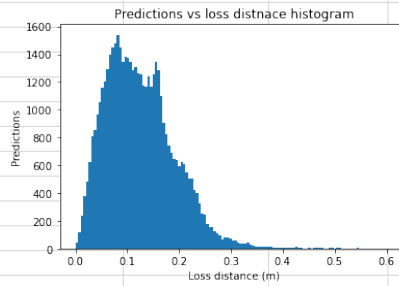
Pulse localization based on CNN regression.

Sensros 6

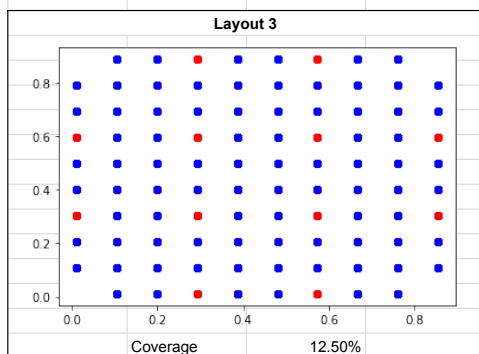
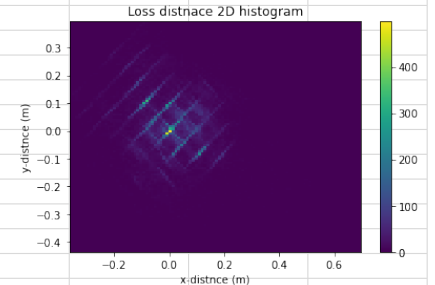
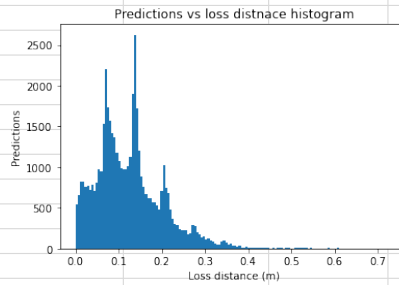
Threshold 0.15 (For accuracy, the localizations inside (Euclidean) distance loss of 0.15 m are considered correct predictions.)
Note: Red sample points are considered for training.



Data type	MSE	Ave error (m)	Max error (m)	Accuracy
Float32	2.13E-02	1.29E-01	6.05E-01	64.30%
Int8	2.09E-02	1.28E-01	6.06E-01	64.73%
Float6 (E4M1)	2.01E-02	1.25E-01	6.12E-01	67.02%
Int8 (regularization)	2.00E-02	1.25E-01	6.15E-01	67.15%



Data type	MSE	Ave error (m)	Max error (m)	Accuracy
Float32	2.16E-02	1.27E-01	7.38E-01	67.65%
Int8	2.17E-02	1.27E-01	7.51E-01	67.45%
Float6 (E4M1)	2.18E-02	1.25E-01	7.34E-01	70.50%
Int8 (regularization)	2.19E-02	1.25E-01	7.35E-01	70.59%



Data type	MSE	Ave error (m)	Max error (m)	Accuracy
Float32	1.54E-02	9.86E-02	9.94E-01	82.75%
Int8	1.55E-02	9.89E-02	9.97E-01	82.61%
Float6 (E4M1)	1.49E-02	9.77E-02	9.86E-01	83.39%
Int8 (regularization)	1.51E-02	9.81E-02	1.00E+00	83.21%

