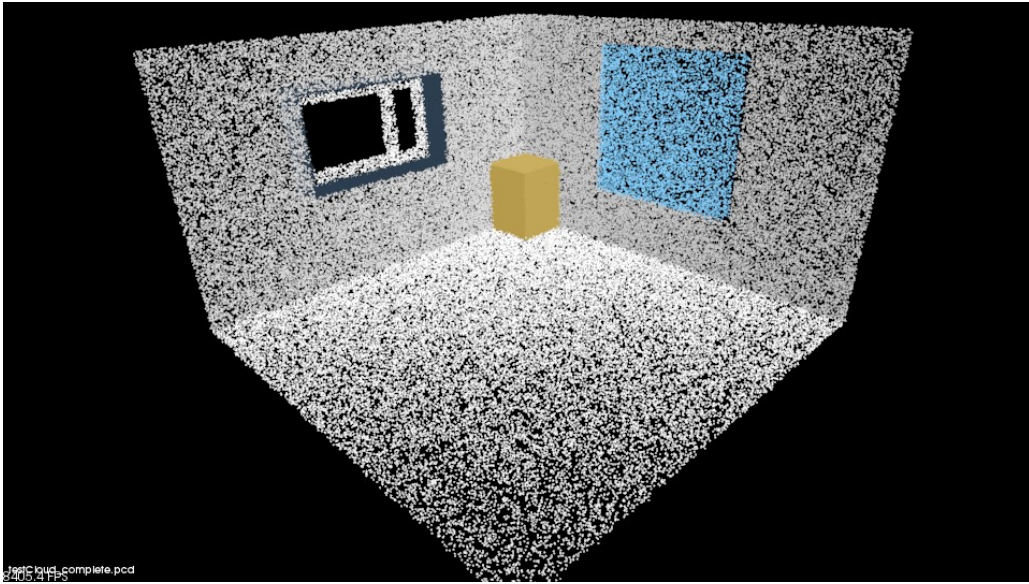
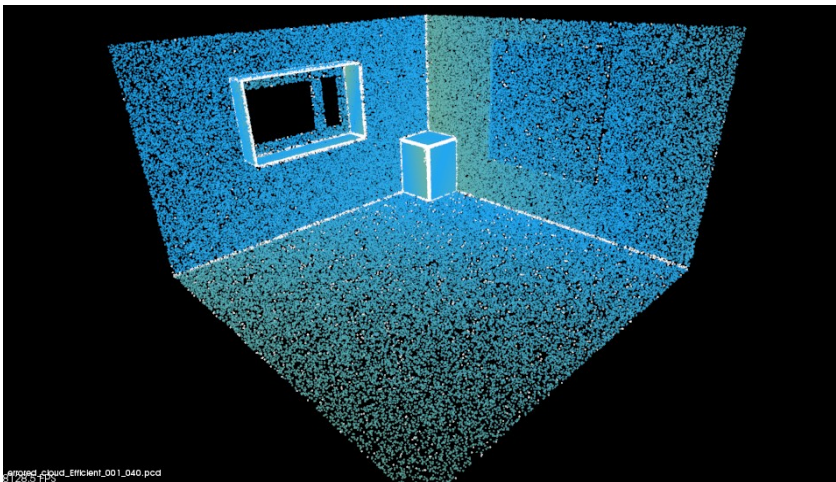


Test Cloud

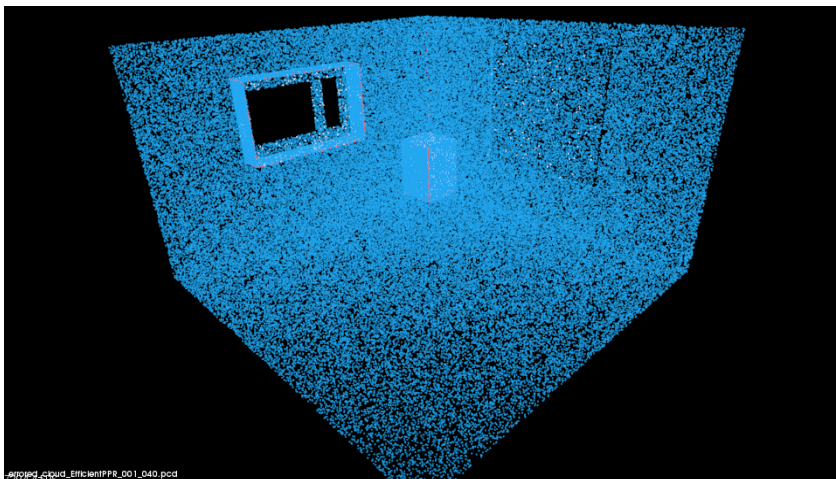


12 planes
little noise: 169672 points.
Noisy: 169650 points.

Little Noise (gaussian $N(0,0.001)$)



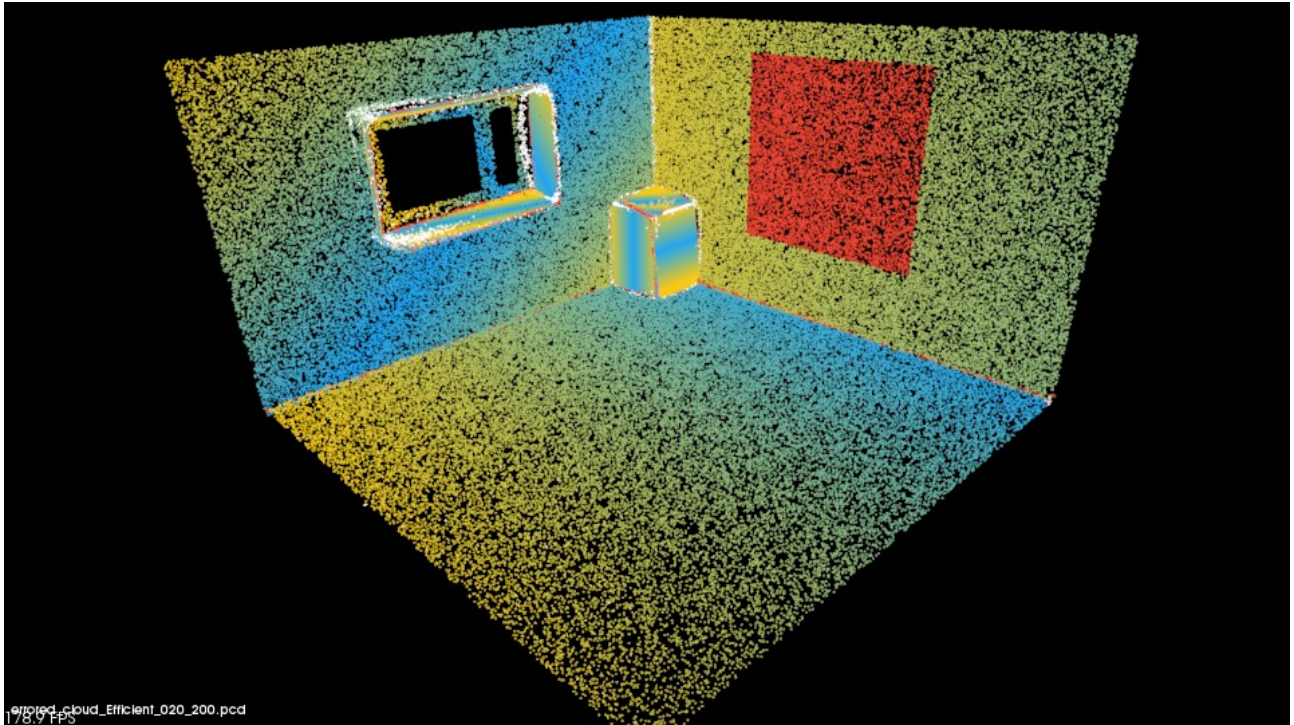
Without PPR	
Planar points	158389
# planes	12
Normal rad	0.04
Inlier threshold	0.02
NonPlanar	11283
Incorrect	15
Average dist	0.00495



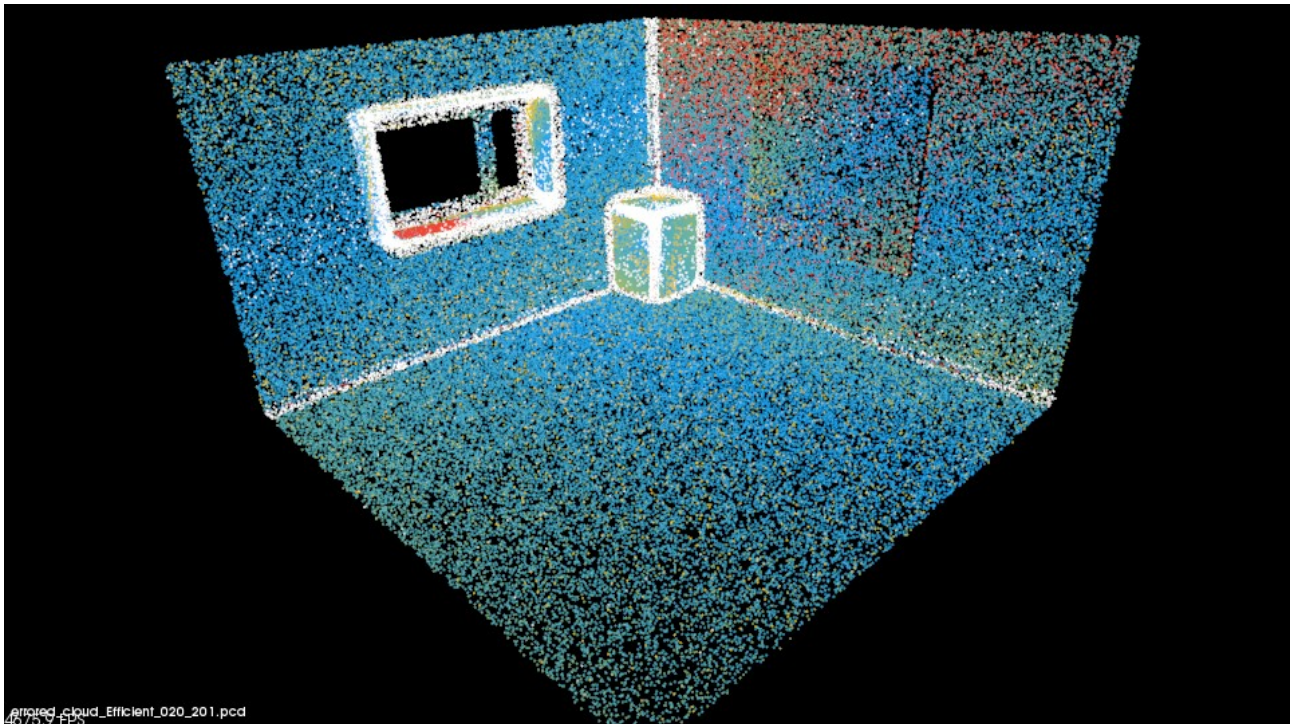
With PPR	
Planar points	168222
# planes	15
Normal rad	0.04
Inlier threshold	0.02
NonPlanar	1062
Incorrect	637
Average dist	5.61976e-05

With Noise (gaussian $N(0,0.02)$)

Without PPR

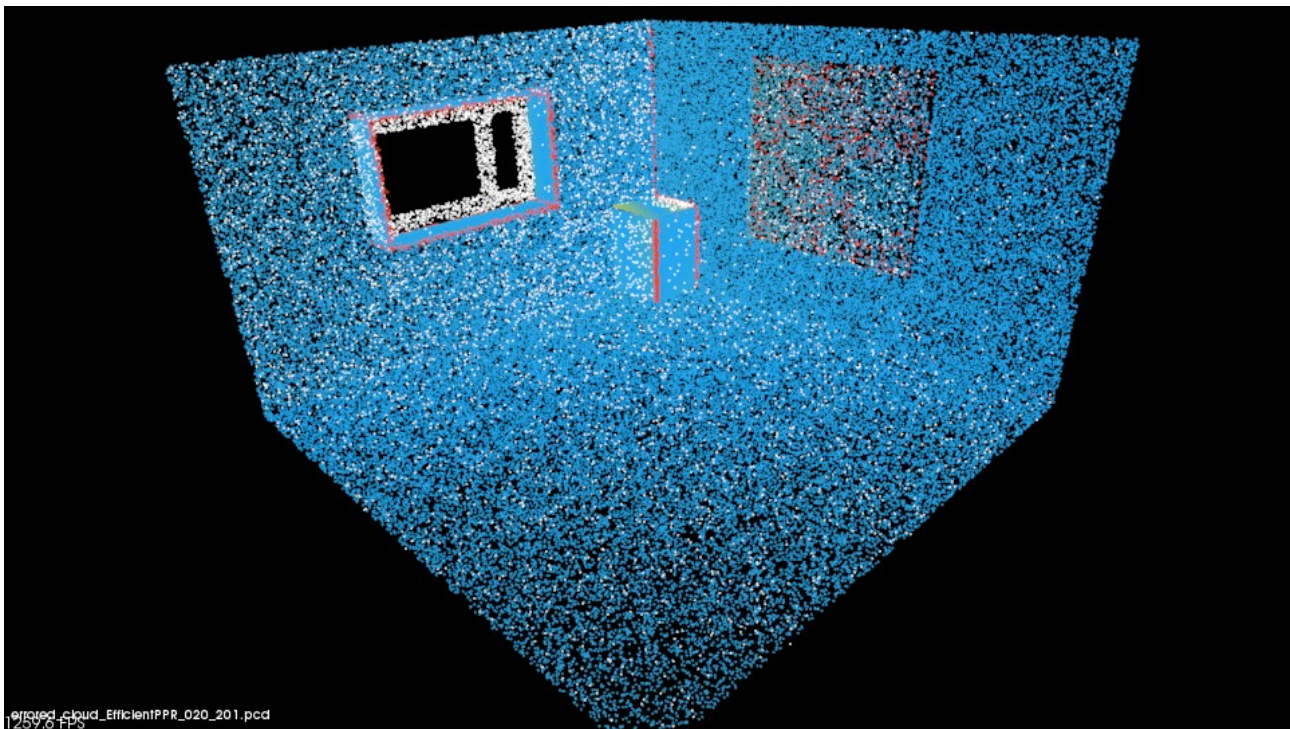


Planar points	169495
# planes	15
Normal rad	0.2 m
Inlier threshold	0.1 m
Angle Threshold	0.6 rad
Nonplanar points	3581
Incorrect	11476
Average distance	0.0265



Planar points	169495
# planes	36
Normal rad	0.2 m
Inlier threshold	0.03 m
Angle Threshold	0.3 rad
NonPlanar	22377
Incorrect	6751
Average distance	0.011

With PPR



Planar points	169495
# planes	11
Normal rad	0.2 m
Inlier threshold (RANSAC)	0.03 m
Angle threshold	0.3 rad
NonPlanar points	9388
Incorrect	6177
Average distance	0.0025

QTD decimation

