Pointclouds size in several processing stages Number of points in reference pointcloud 8000 Number of points in reference pointcloud after filtering Number of keypoints in reference pointcloud Number of points in ambient pointcloud Number of points in ambient pointcloud after filtering 7000 Number of points in ambient pointcloud used in registration Number of keypoints in ambient pointcloud 6000 5000 Pointcloud size 4000 3000 2000 1000 100 200 300 500 400 Time of localization update (seconds from beginning of test)