Fusion Sensor

Visualize point-cloud (ID_S1_EX2)

- Find 10 examples of vehicles with varying degrees of visibility in the point-cloud.
- Try to identify vehicle features that appear stable in most of the inspected examples and describe them

Figures 1 and 2 show some characteristics of the displayed vehicles, for example, on the right side there are three vehicles in which it is possible to identify the windshield and also its front part. In the center of the figure, at least five vehicles can be seen, however the details are scarce, preventing the identification of license plates, vehicle models, etc.
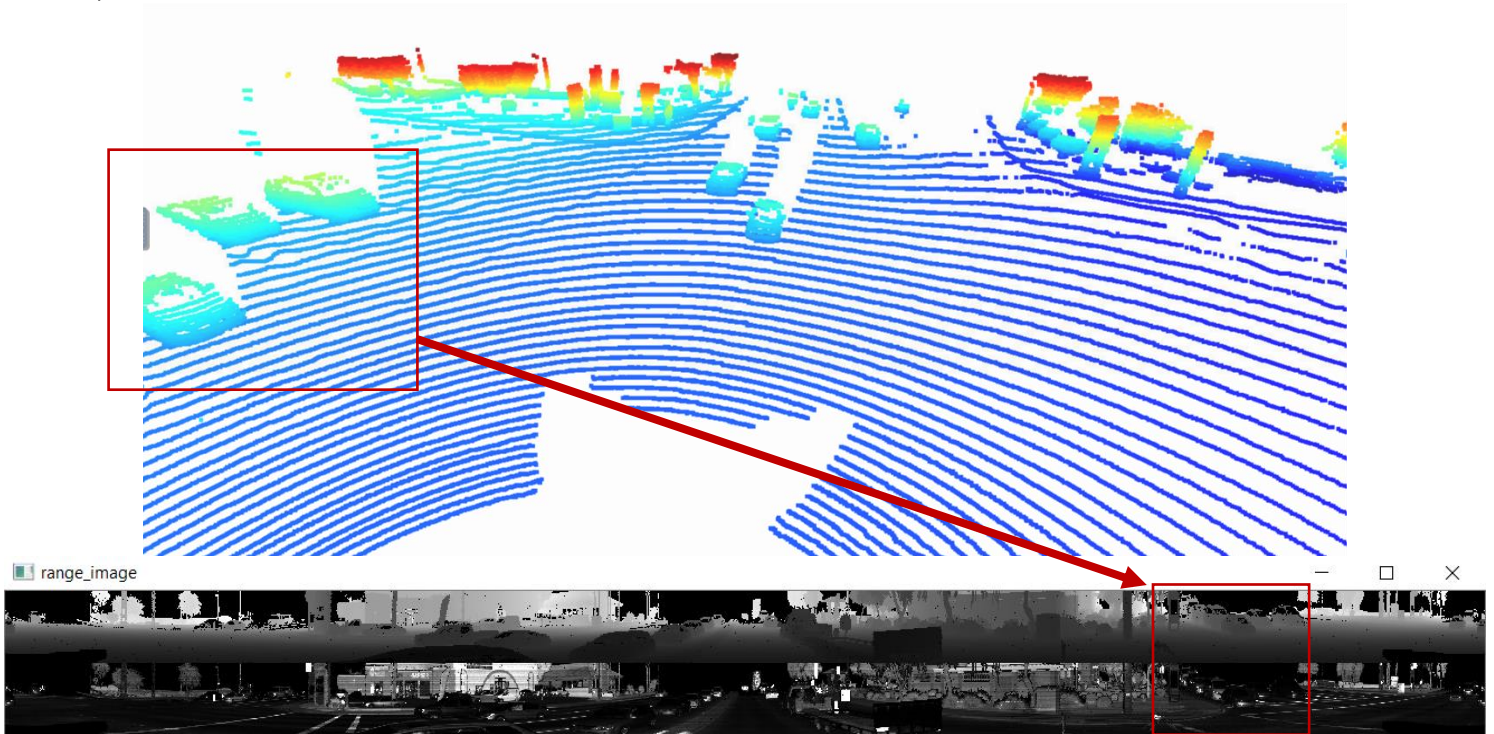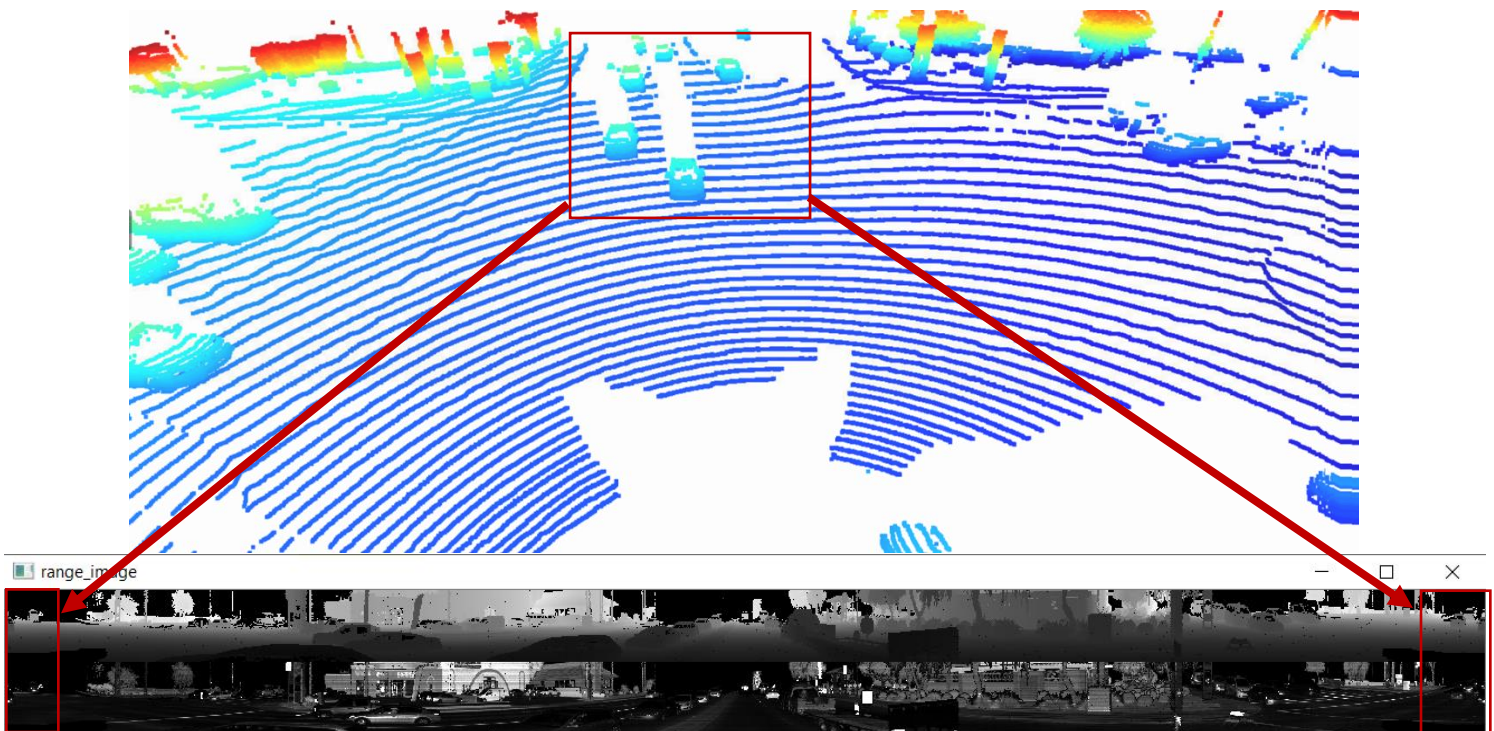

Fig. 1. Frame 1.

Fig. 2. Frame 3.

In Figs. 3, 4, 5 and 6, a trailer can be seen that during these frames moves next to the vehicle that contains the lidar. In addition, you can see other parked vehicles.
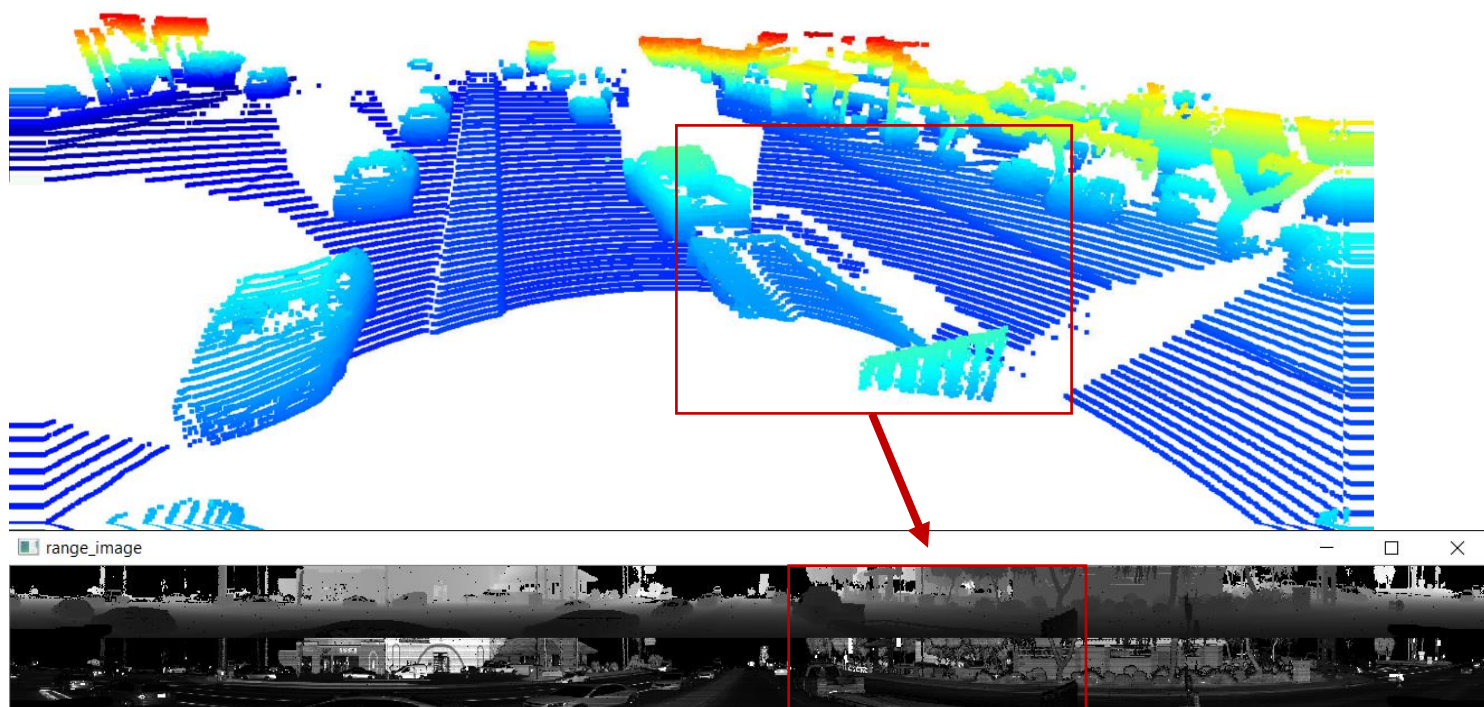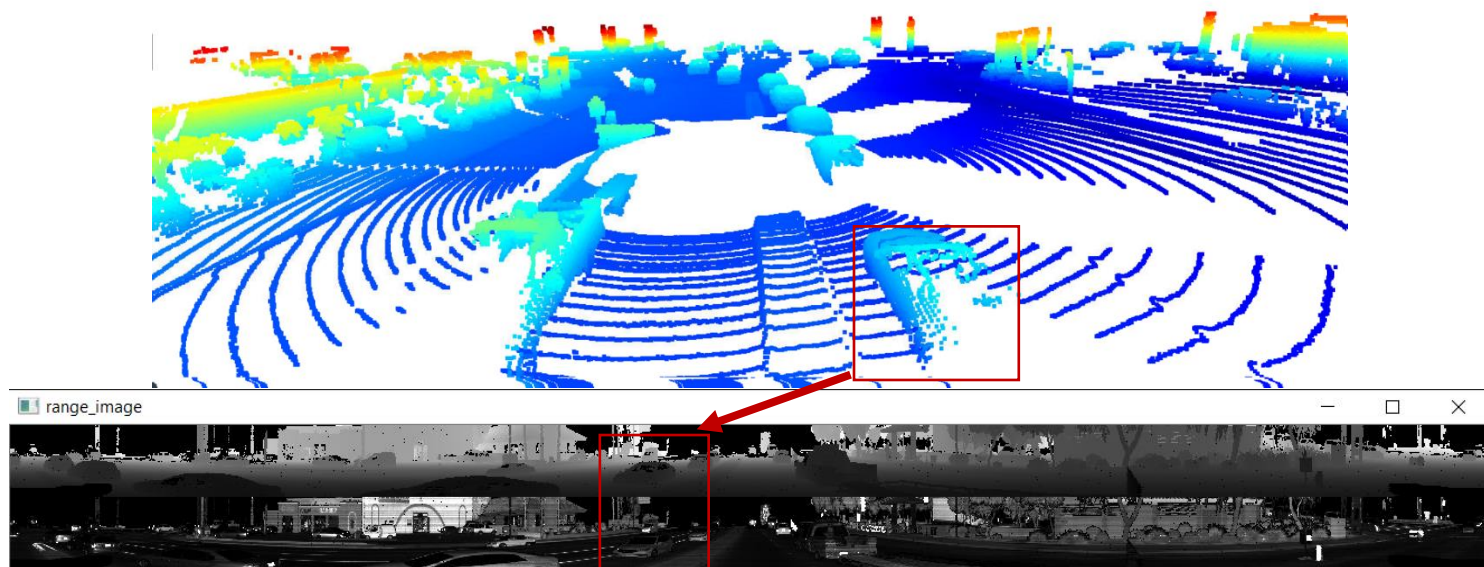

Fig. 3. Frame 12.
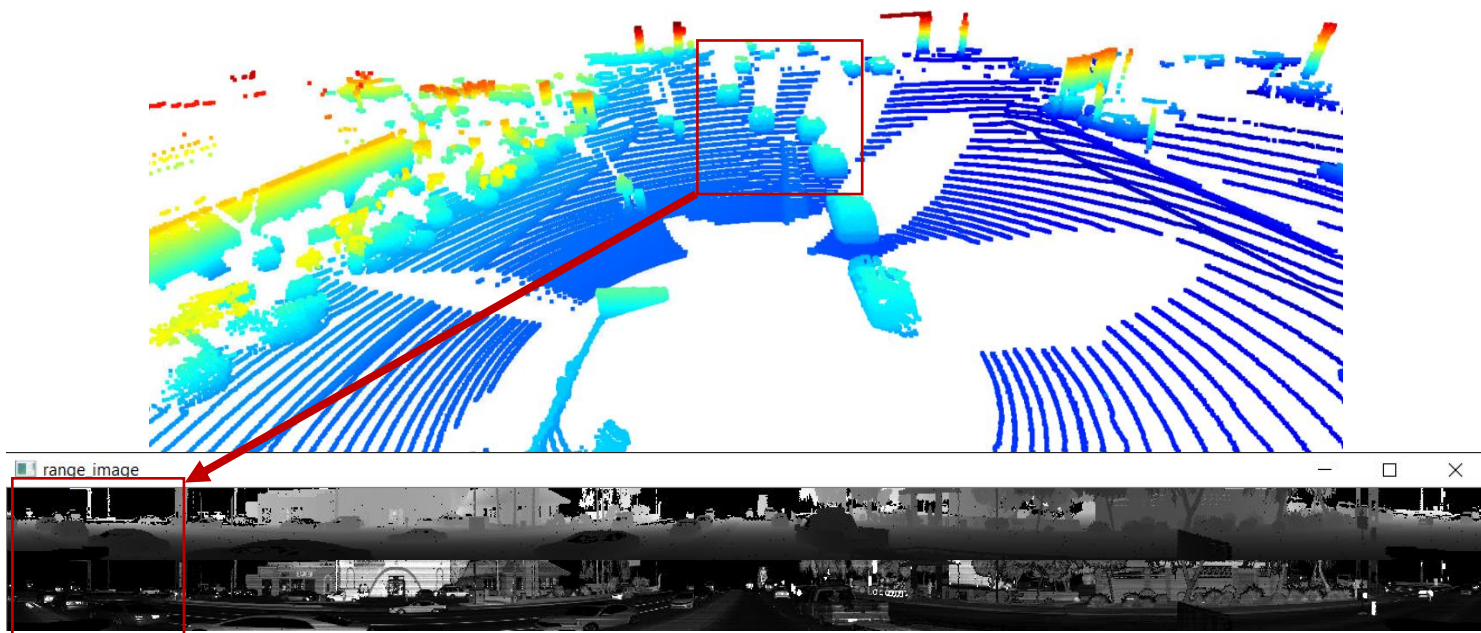

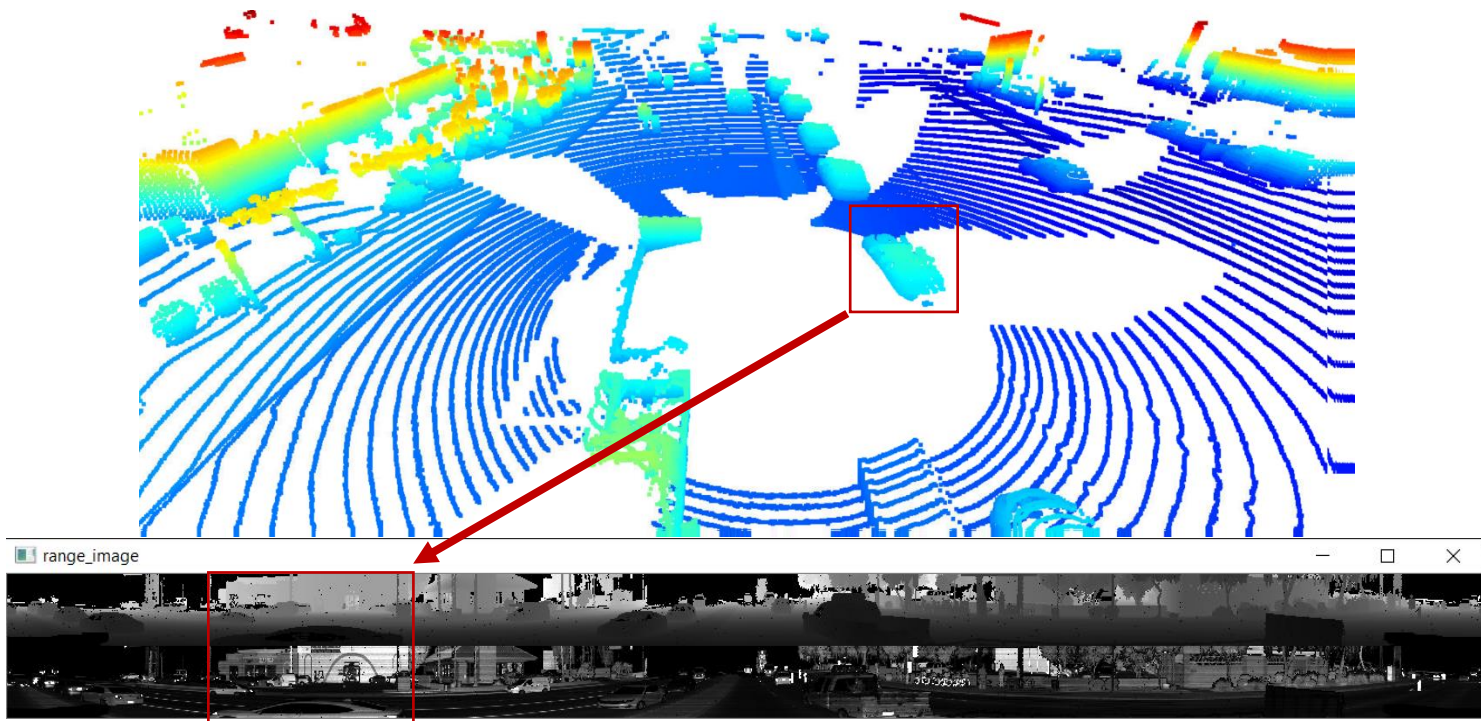Fig. 4. Frame 15.

Fig. 5. Frame 18.

Fig. 6. Frame 24.

In Fig. 7, 8, 9 and 10 some perspectives of vehicles along the route, it is possible to identify in these figures the shape of the vehicles, windshields, and tires. In Figs. 9 and 10 there is a trailer carrying some kind of machine.
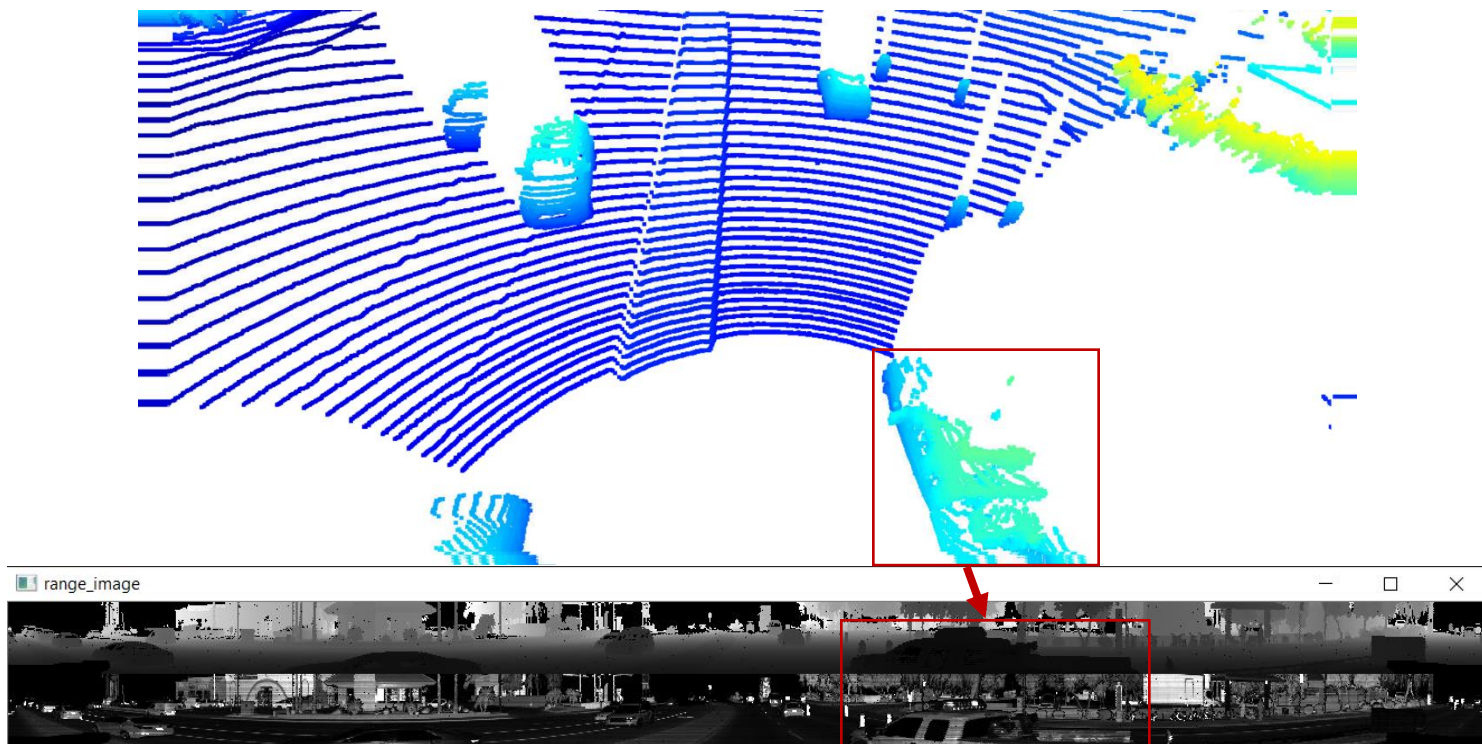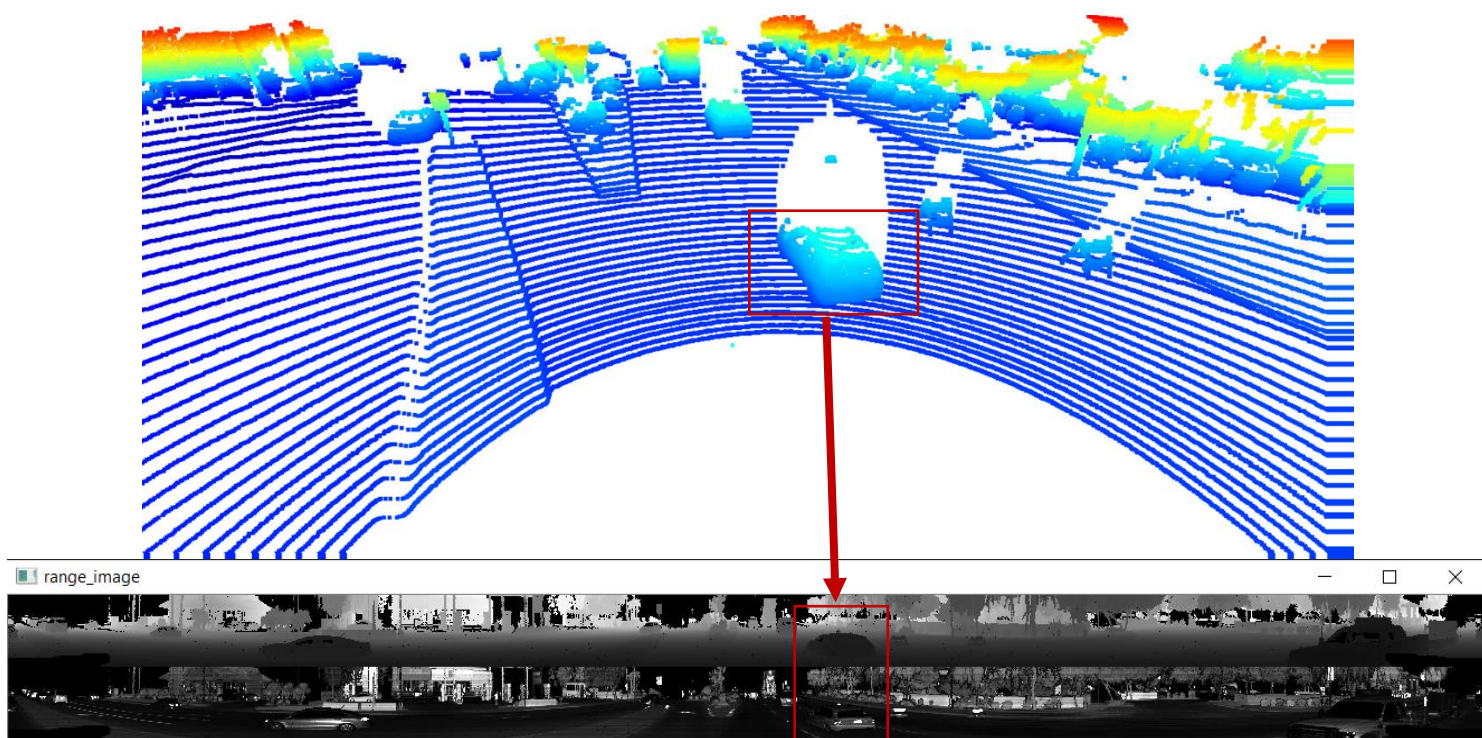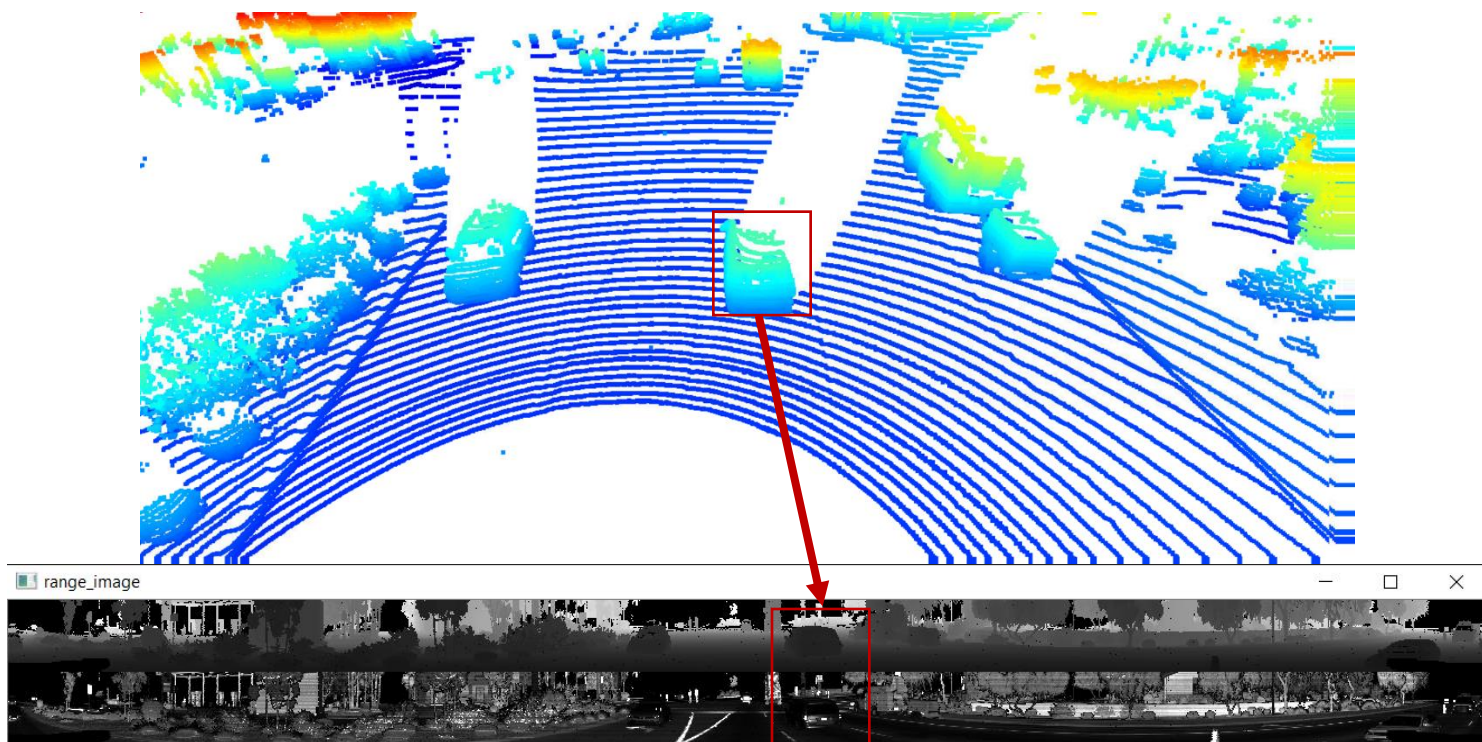
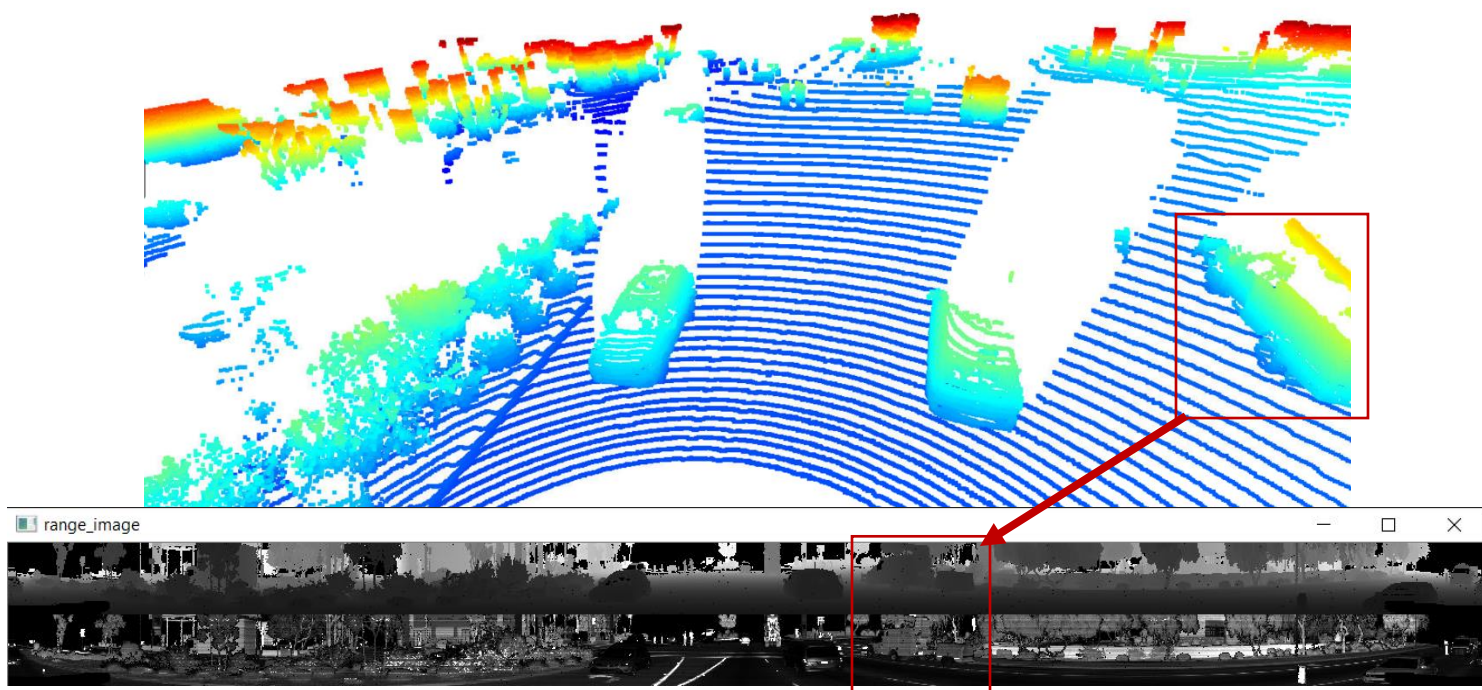Fig. 7. Frame 38.

Fig. 8. Frame 70.

Fig. 9. Frame 119.

Fig. 10. Frame 122.