

Display laser data with ROS

Olivier Aycard

Professor

Grenoble INP - PHELMA

GIPSA Lab

<https://www.gipsa-lab.grenoble-inp.fr/user/olivier.aycard>

olivier.aycard@grenoble-inp.fr



Display laser data with ROS (1/4)

- To download the data needed for labs on datmo:

1. `cd ~/ros2_ws`
2. `\rm -r data_for_labs`
3. `git clone https://gricad-gitlab.univ-grenoble-alpes.fr/tp_ros2/data_for_labs.git`

- To play recorded data: Open 2 tabs in a terminal

(remember to `source ~/ros2_ws/install/local_setup.bash`)

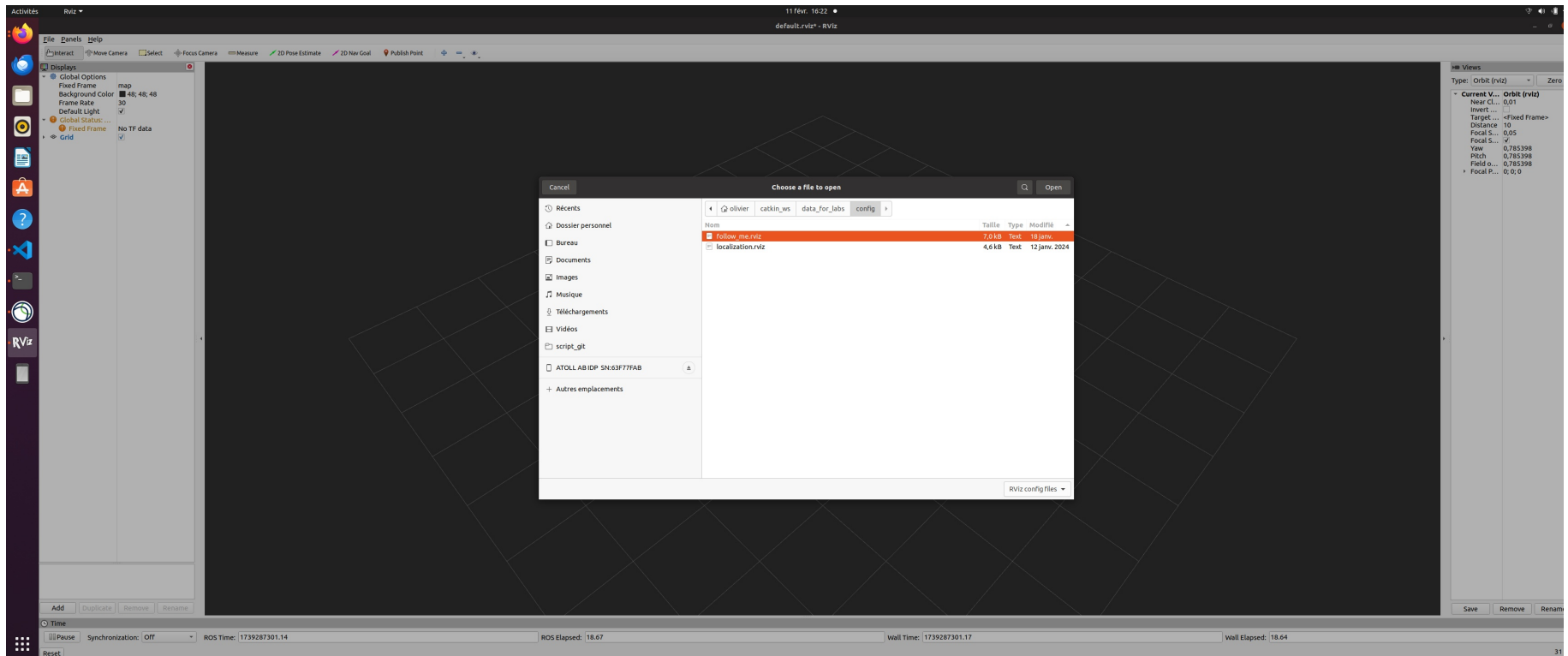
1. One terminal to run Rviz : `ros2 run rviz2 rviz2`
2. One terminal to play the rosbag file:
`cd ~/ros2_ws/data_for_labs/follow_me/detection/old_laser`
`ros2 bag play <data_file>.bag2`

*Replace <data_file>.bag2 with the name of the file to play,
for instance : `detection01.bag2`*

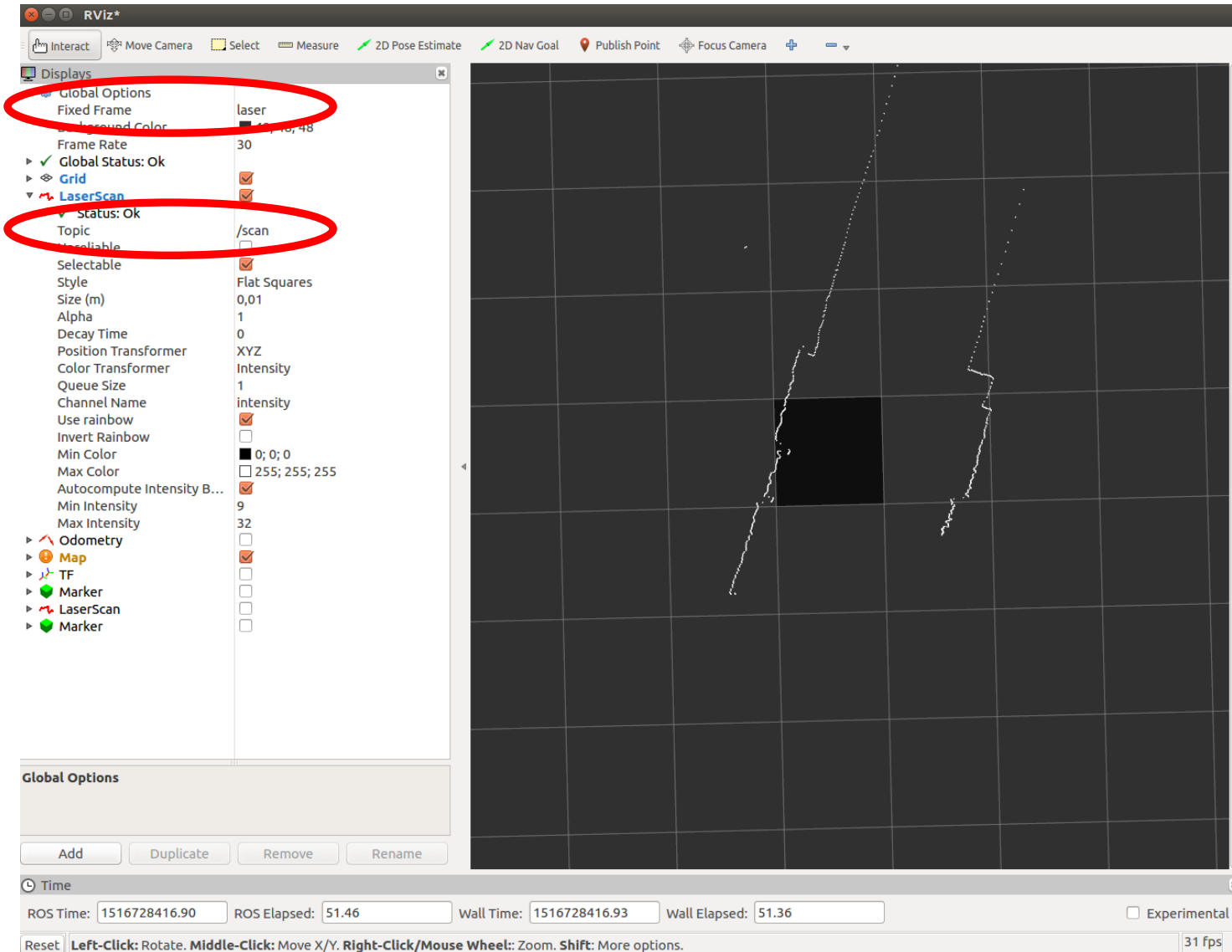
Display laser data with ROS (2/4)

Rviz: the visualization tool of ROS;

1. Open the configuration file (*File → Open Config*)
`~/ros2_ws/src/follow_me/config/laser_only.rviz`

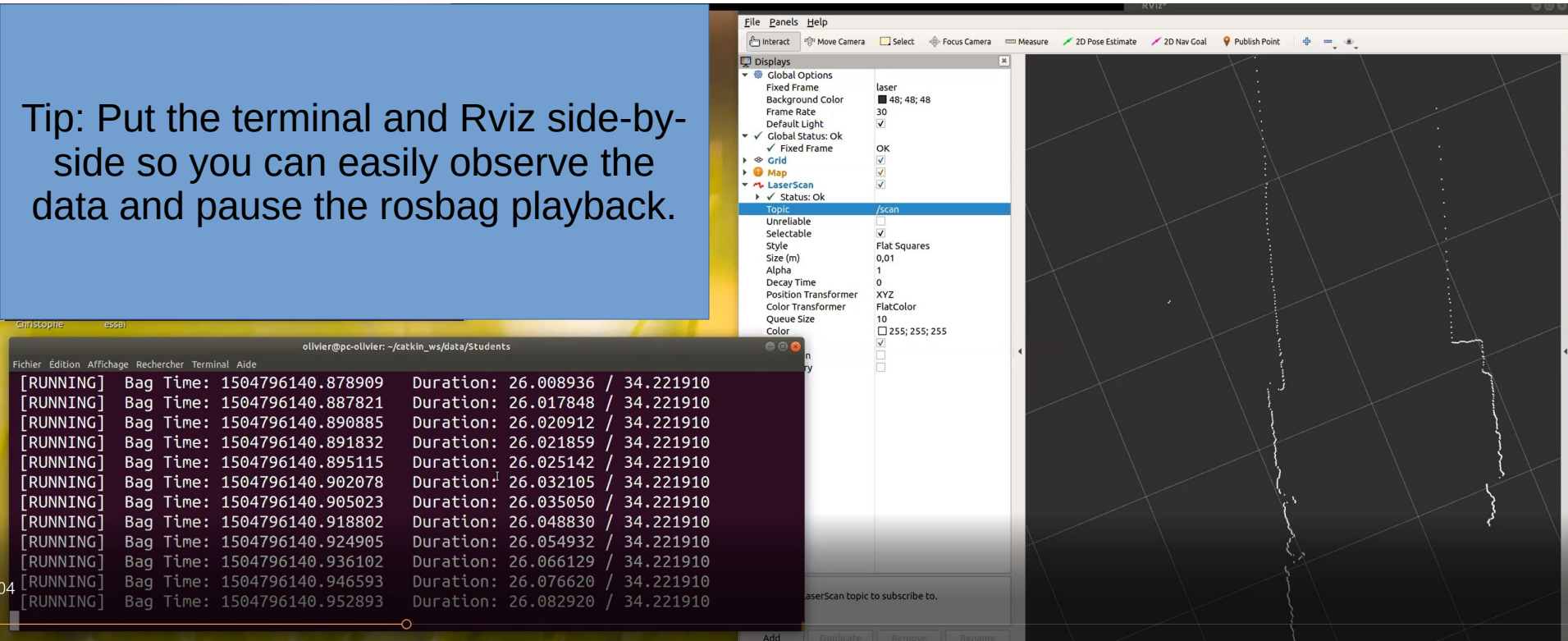


Display laser data with ROS (3/4)



Display laser data with ROS (4/4)

Tip: Put the terminal and Rviz side-by-side so you can easily observe the data and pause the rosbag playback.



- To pause a rosbag, press space
- To run a rosbag step by step, press s