About *.CSV (convert from ROSBag) files.

*.BAG files get from https://github.com/udacity/self-driving-car/tree/master/datasets

Files: UDACITY-DATASET_SENSOR_CAMERA_<…>.CSV

rosbagTimestamp	
header	
seq	
stamp	
secs	
nsecs	
frame_id	
format	Frame data format (*.jpg)
frame data	Image bytes as string. Example: "253,12,33,…,0".

Files: UDACITY-DATASET_DIAGNOSTICS_<…>.CSV

rosbagTimestamp	
header	
seq	
stamp	
secs	
nsecs	
frame_id	
status	
level	Cameras (left, right, center).
name	Frequency too (low, high)
message	"pointgrey_camera N", N – number.
hardware_id	
-	
values	Additional info.
key	Additional info.

Files: UDACITY-DATASET_IO_CAN_INTERFACE_<...>.CSV

rosbagTimestamp	
header	
seq	
stamp	
secs	
nsecs	
frame_id	
msg	Message.
data	Bytes. Example: [242, 255, 5, 0, 0, 0, 0, 0]
id	
extended	Boolean.
dlc	Number.

Files: UDACITY-DATASET_TF_<...>.CSV

rosbagTimestamp	
transforms	
-	
headers	
seq	
stamp	
secs	
nsecs	
frame_id	
child_frame_id	
transform	
translation	
x	
y	
z	

rotation	
x	
y	
z	
w	

Files: UDACITY-DATASET_IO_VEHICLE_<…>_BRAKE_INFO_REPORT.CSV

rosbagTimestamp	
header	
seq	
stamp	
secs	
nsecs	
frame_id	
brake_torque_request	Number.
brake_torque_actual	Number.
wheel_torque_actual	Number.
accel_over_ground	Number.
hsa	
status	Number.
mode	Number.
abs_active	Boolean.
abs_enabled	Boolean.
stab_active	Boolean.
stab_enabled	Boolean.
trac_active	Boolean.
trac_enabled	Boolean.
parking_brake	
status	Number.
stationary	Boolean.

Files: UDACITY-DATASET_IO_VEHICLE_<…>_BRAKE_REPORT.CSV

rosbagTimestamp	
header	
seq	
stamp	
secs	
nsecs	
frame_id	
pedal_input	Number.
pedal_cmd	Number.
pedal_output	Number.
torque_input	Number.
torque_cmd	Number.
torque_output	Number.
boo_input	Boolean.
boo_cmd	Boolean.
boo_output	Boolean.
enabled	Boolean.
override	Boolean.
driver	Boolean.
watchdog_counter	
source	Number.
watchdog_braking	Boolean.
fault_wdc	Boolean.
fault_ch1	Boolean.
fault_ch2	Boolean.
fault_boo	Boolean.
fault_connector	Boolean.

Files not includes in this document:

vehicle_slash_fuel_level_report.csv	
vehicle_slash_gear_report.csv	
vehicle_slash_gps_slash_fix.csv	
vehicle_slash_gps_slash_time.csv	
vehicle_slash_gps_slash_vel.csv	
vehicle_slash_imu_slash_data_raw.csv	
vehicle_slash_joint_states.csv	
vehicle_slash_misc_1_report.csv	
vehicle_slash_sonar_cloud.csv	
vehicle_slash_steering_report.csv	
vehicle_slash_surround_report.csv	
vehicle_slash_suspension_report.csv	
vehicle_slash_throttle_info_report.csv	
vehicle_slash_throttle_report.csv	
vehicle_slash_tire_pressure_report.csv	
vehicle_slash_twist_controller_slash_parameter_descriptions.csv	
vehicle_slash_twist_controller_slash_parameter_updates.csv	
vehicle_slash_wheel_speed_report.csv	