

10 – Channels Report layout



This layout gives a macro-representation of calculation made on the channels so to have a quick view on each channel. The layout is made up of two parts: the values table on the left and the custom graph on the right.

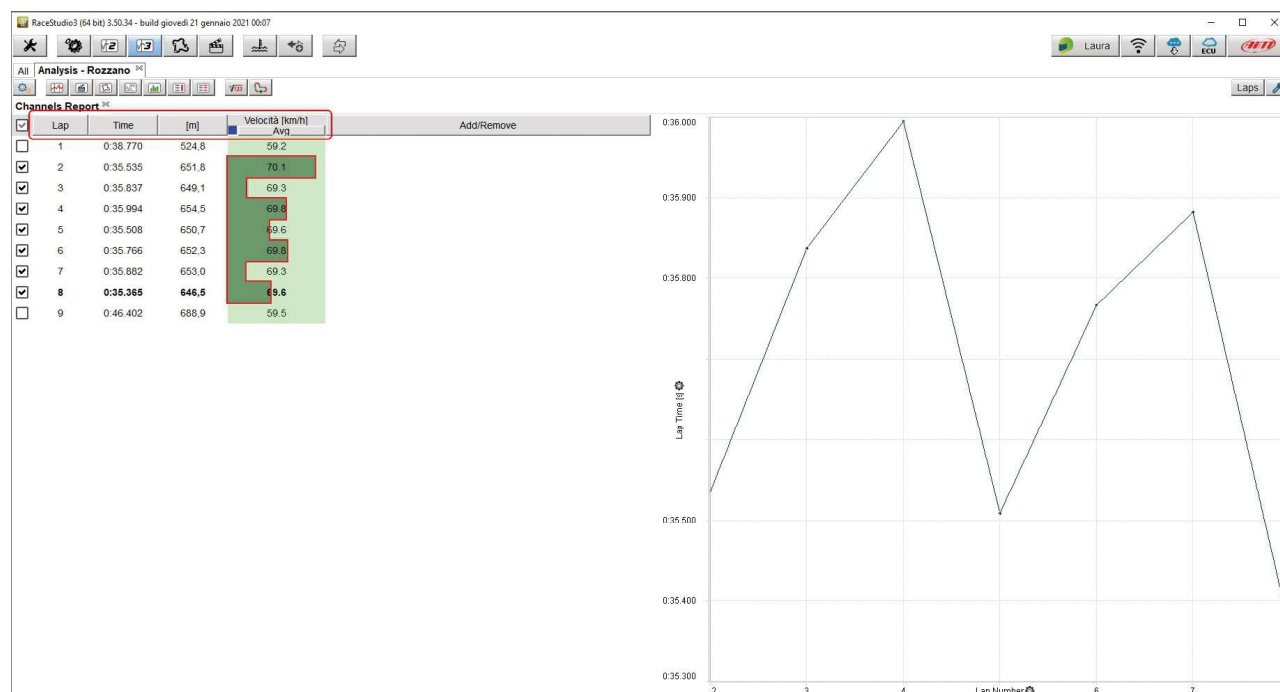
This view is used to see these three main aspects:

- Vehicle health: mainly through temperatures, pressures and battery level
- Racer performances: mainly through average throttle opening, average steering angle value, average brake pressure (the racer inputs)
- Vehicle performance: mainly through longitudinal and lateral acceleration variations and max speed

With reference to the image below, clicking on the header of each column data can be sorted increasingly/decreasingly.

Columns can be added/removed except for the first three from the left. Default view of channels table includes from left to right:

- Lap number
- Lap time
- Run distance; the values of this column – except for these of the first and last lap – are obviously all very similar
- Average speed (this is the only default column that can be removed); clicking on the coloured checkbox left of the column header the background histogram of the column appears/disappears.



10.1 – The Channels table

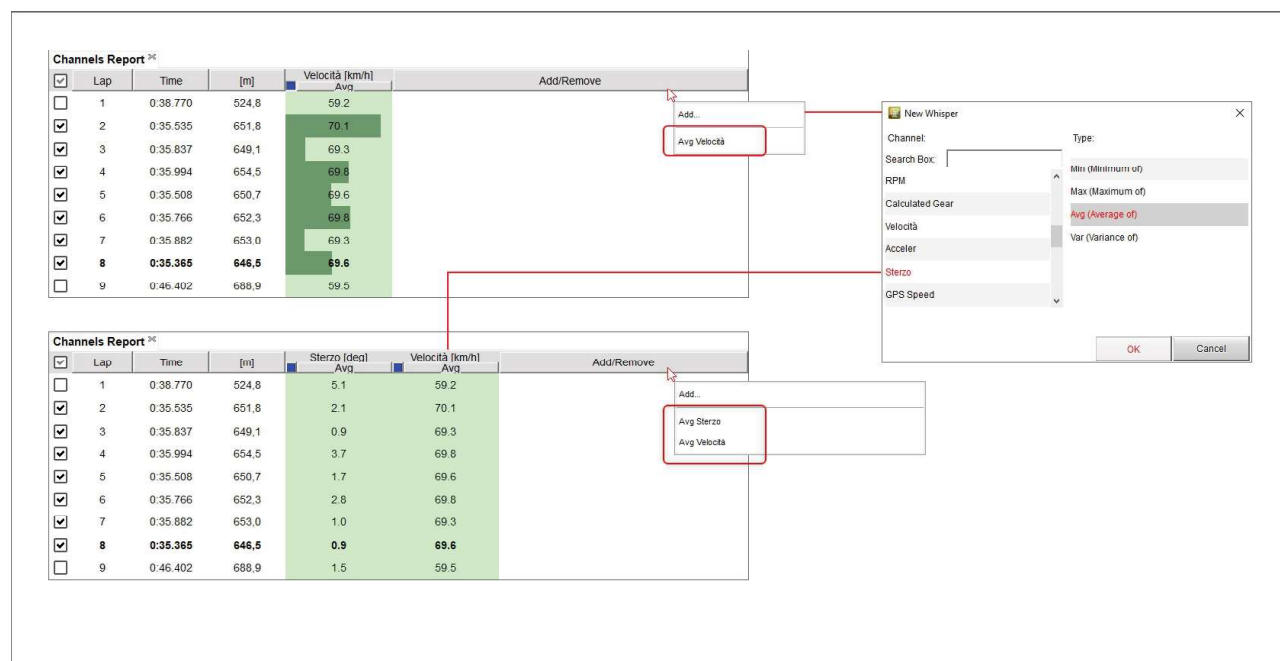
Right of Channels report layout is channels table. As said, it has four default columns.

To **add a column**:

- click on “Add/Remove” header
- “Add/Remove” menu appears
- select “Add”
- a selection dialog window appears; here **you have to choose** not only the **channel** on the left part of the dialog window but also its **statistics** (min, max, average and standard deviation value) on the right
- click “OK”

To **remove a column**:

- click on “Add/Remove” header
- “Add/Remove” menu appears
- select the column to remove and it is removed.



The screenshot illustrates the process of adding a column to the Channels Report table. The top part shows the initial state of the table with columns: Lap, Time, [m], Velocità [km/h] (Avg), and Add/Remove. The bottom part shows the table after adding the 'Sterzo' column. The 'New Whisper' dialog box is open, showing a list of channels on the left and a list of statistics on the right. The 'Avg Velocità' option is selected in the dialog.

Channels Report	Lap	Time	[m]	Velocità [km/h] Avg	Add/Remove
☒	1	0:38.770	524,8	59.2	
☒	2	0:35.535	651,8	70.1	
☒	3	0:35.837	649,1	69.3	
☒	4	0:35.994	654,5	69.8	
☒	5	0:35.508	650,7	69.6	
☒	6	0:35.766	652,3	69.8	
☒	7	0:35.882	653,0	69.3	
☒	8	0:35.365	646,5	69.6	
☐	9	0:46.402	688,9	59.5	

Channels Report	Lap	Time	[m]	Sterzo [deg] Avg	Velocità [km/h] Avg	Add/Remove
☐	1	0:38.770	524,8	5.1	59.2	
☒	2	0:35.535	651,8	2.1	70.1	
☒	3	0:35.837	649,1	0.9	69.3	
☒	4	0:35.994	654,5	3.7	69.8	
☒	5	0:35.508	650,7	1.7	69.6	
☒	6	0:35.766	652,3	2.8	69.8	
☒	7	0:35.882	653,0	1.0	69.3	
☒	8	0:35.365	646,5	0.9	69.6	
☐	9	0:46.402	688,9	1.5	59.5	

New Whisper

Channel:

Type:

Search Box:

RPM

Calculated Gear

Velocità

Acceler

Sterzo

GPS Speed

Min (Minimum of)

Max (Maximum of)

Avg (Average of)

Var (Variance of)

OK Cancel

10.2 – The custom graph

Right of “Channels Report” layout is a graph we will call “Custom” because channel on the abscissa axis and channel on the ordinate axis can be changed according to the user preferences.

Default graph shows Lap time on the ordinate axis and Lap Number on the abscissa axis. To change the channel on the axes:

- Click the setting icon of the axis to change
- Select the channel to be shown
- Click out of the menu

