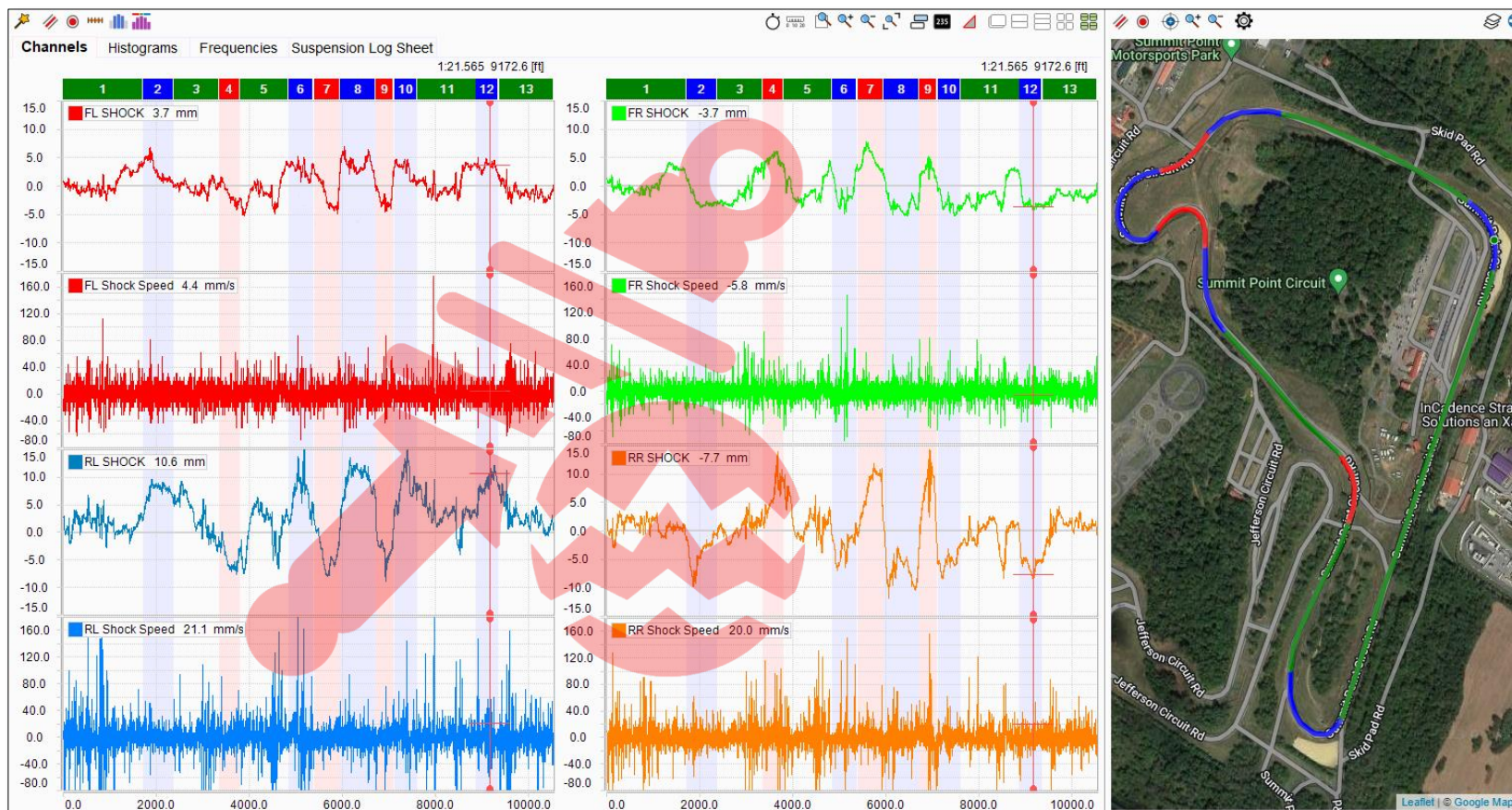


Race Studio 3 Updates

Featuring Suspension Analysis



Host:
Roger Caddell

AiM Sports - National Training Manager

Co-Host:
Emiliano Bina

AiM Sportline Software



[aimsports.com](https://www.aimsports.com)

Tuesday November 28th, 2023

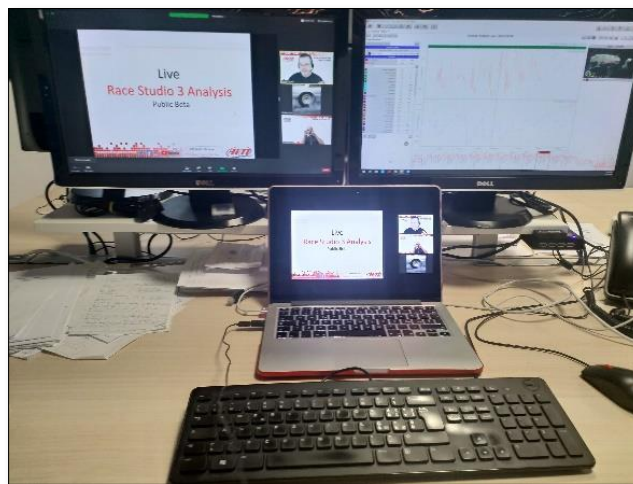
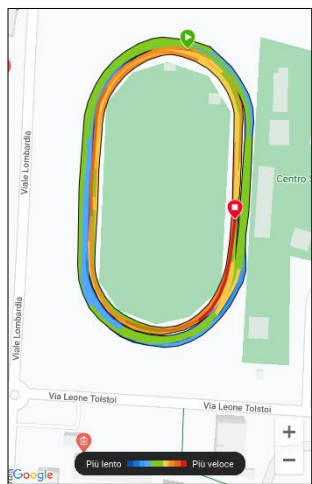
LearnFast™

Emiliano Bina

software@aim-sportline.com



- Graduated in 2000 as Road Vehicles Engineer with a Thesis on a Simulation Model for Toyota Prius Hybrid Powertrain
- Software Developer for AiM Since 2000: RaceStudio2 Analysis, DragAnalyzer, GPSManager, RaceStudio3
- Passion for Sim Racing and Motorsport, Cooperated for Data Analysis in Endurance Races
- 21 Time AiM Sports Webinar Co-Host!



Emiliano Bina

AiM-Sportline Software Developer



[aimsports.com](https://www.aimsports.com)

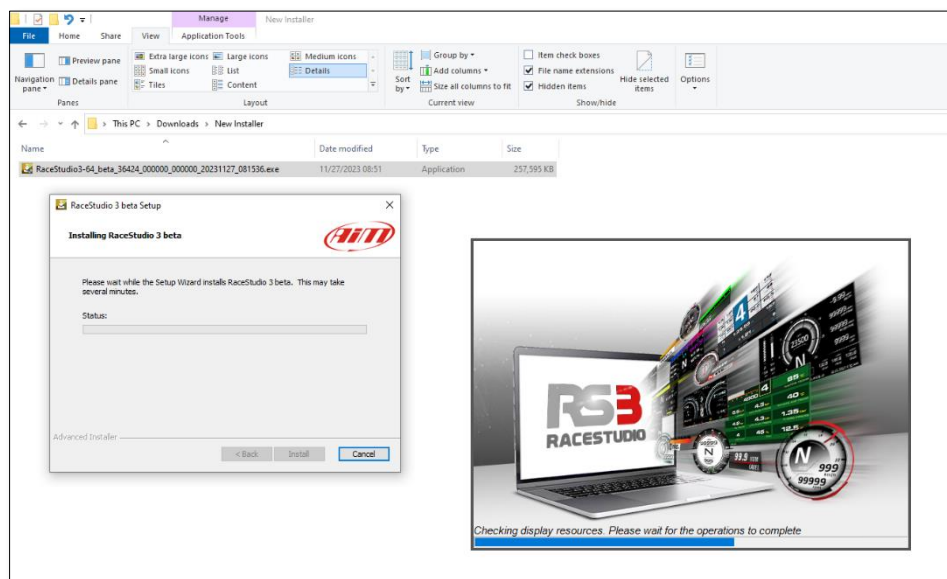
LearnFast™

New Race Studio 3 Installer

Few words to describe what's changed: lighter and faster. The new installer downloads only the needed resources on the go.

For this reason, it's better to execute it with internet connection available, but this is commonly true nowadays.

If this can be perceived as an advantage, well, let's point out that the new one weighs 50% less and executes in around 30% of the original time.

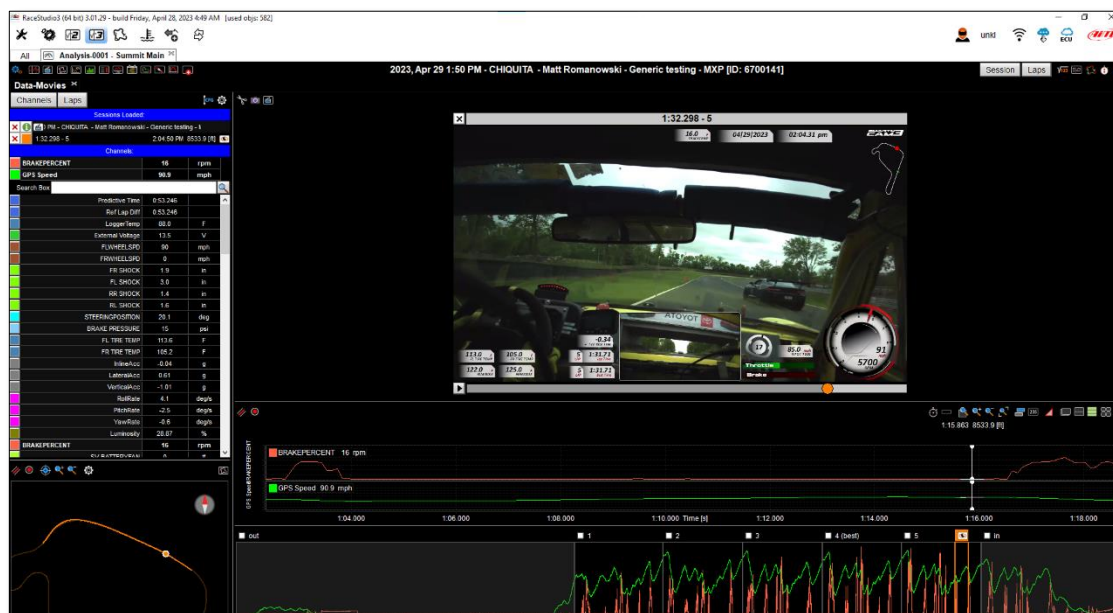


MP4 Movie Cut

You're the fastest on the track with your SC3 recording it. You need to share the video of your best lap... You need to post on social networks your best overtake... There's nothing better than RS3 to cut these out of the movie of your entire session.

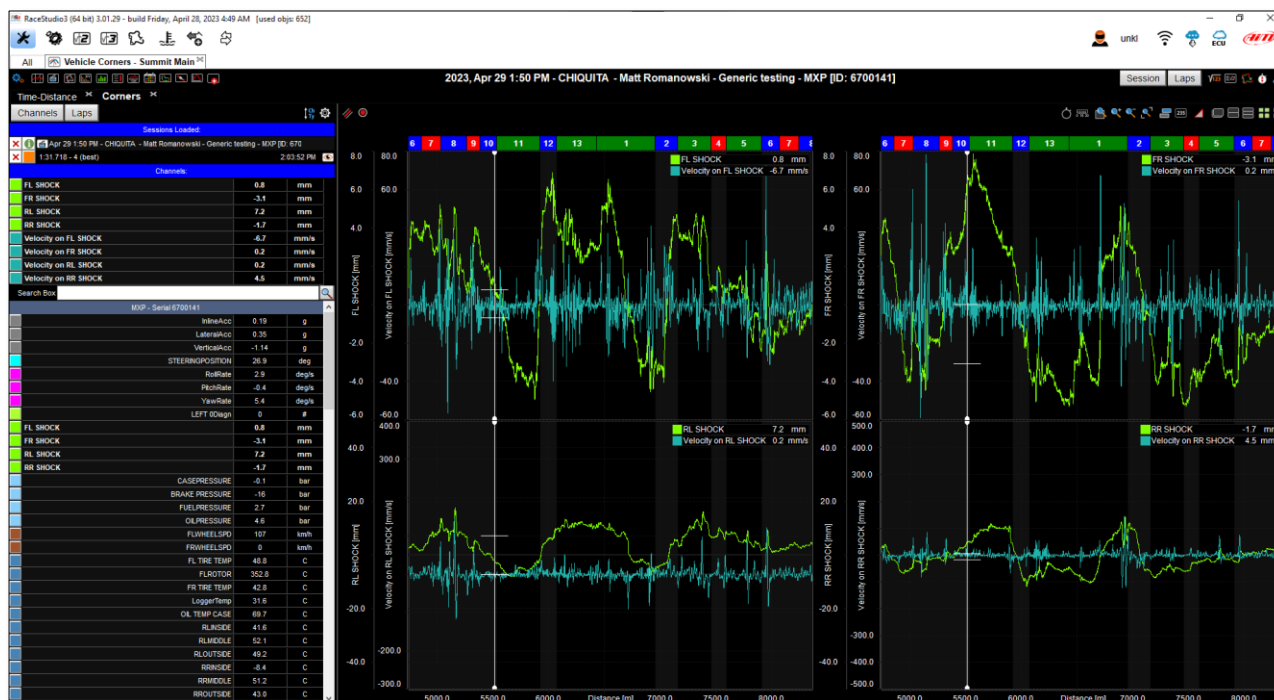
Open your session in RS3Analysis and select the interval you want a slice of your movie of (you can do it using the story board, the time/distance plot, or the map).

Then click the scissors icon in the top left corner of the movie window. You'll get a file with the only selected interval, the original movie not being modified.



New Placements for Plots

In case you're showing in the same plot (time-distance, histogram or scatter) the channels pertaining to separate vehicle corners, we added to RS3Analysis the possibility of sorting automatically the visualization of every channel.



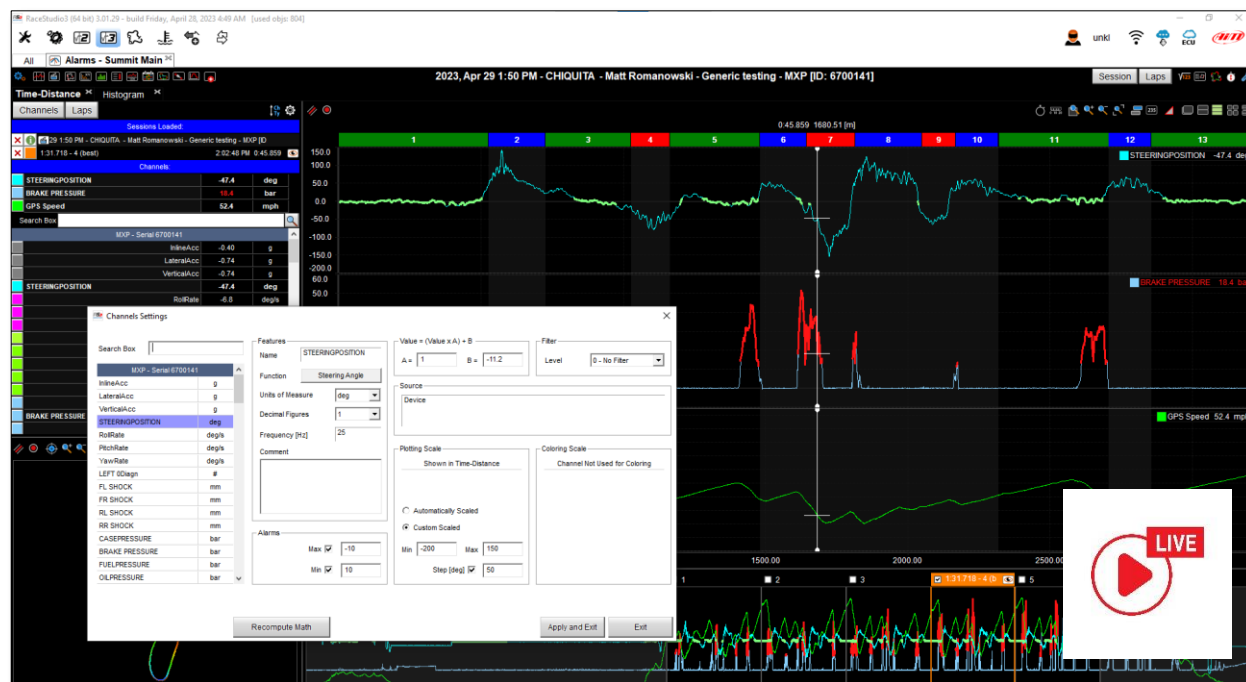
RS3 Updates – Susp Analysis

New Plots Placements

Alarms in Analysis Windows

Alarms have always been highlighting values exceeding a given minimum or maximum value.

Flipping the settings minimum and maximum values, you can get the RS3Analysis engine to highlight values that stay between a minimum and a maximum value.



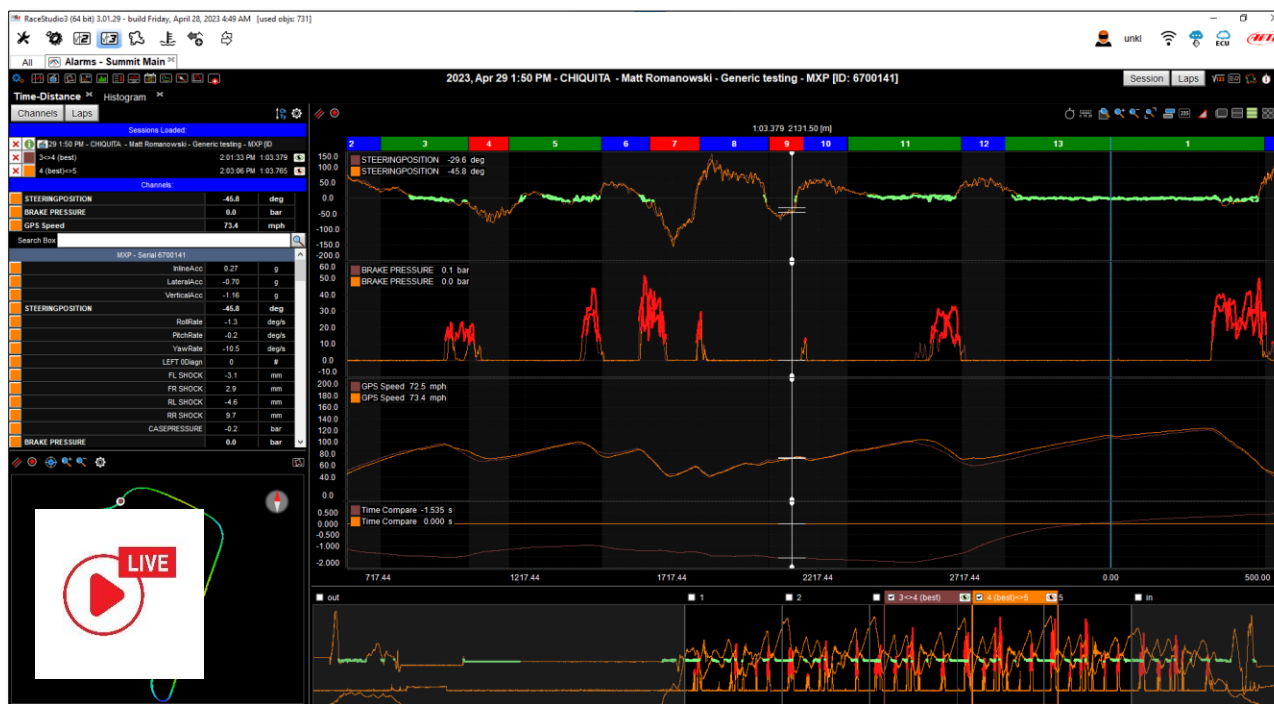
RS3 Updates – Susp Analysis

Alarms In Analysis Window

Moving Slices - Keyboard Arrows

When your focus is on the time-distance plot, you, as always before, can move cursor using the left-right - arrow keys on your keyboard.

Now you can, holding shift pressed while operating the left-right keys, keeps the cursor stable in the plot and moves the selected slice(s).



RS3 Updates – Susp Analysis

Moving Slices – Keyboard Arrows

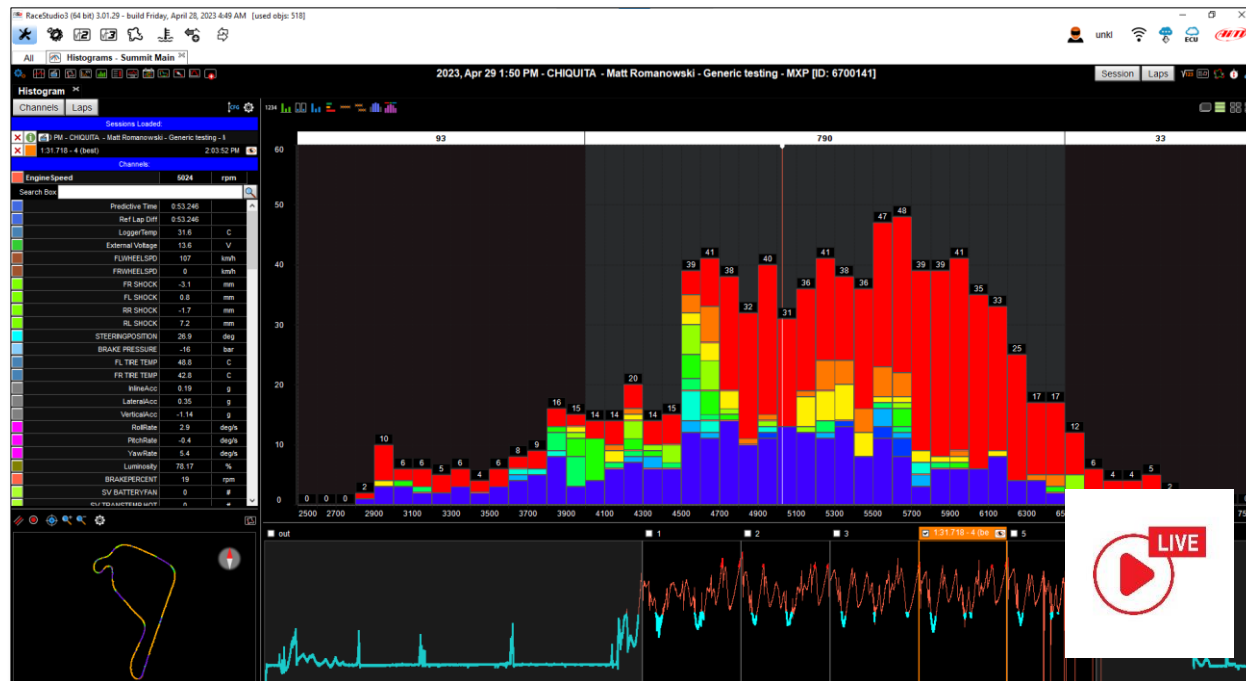
LearnFast™

We Have Answers!
LearnFast™

Improved UI for Histograms

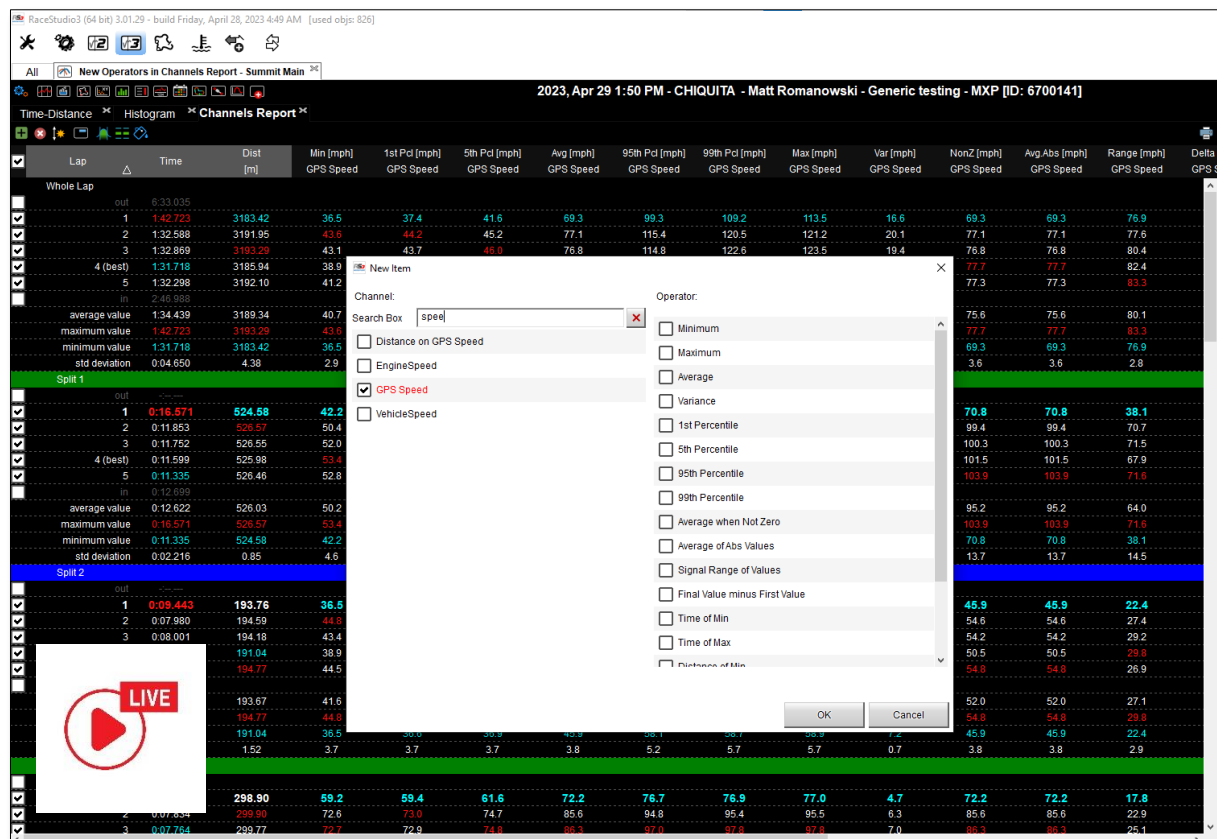
Histograms have been improved to offer:

- Colors based on a secondary channel histogram
- Higher number of bars
- Count of values that exceed min or max values
- Count of values pertaining to macro areas



New Operators in Channels Report

New operators have been added to Channels Reports.
This allows for new calculations.



RS3 Updates – Susp Analysis

New Operators in Channels Report

LearnFast™

Better Ways to Select Laps

RS3Analysis introduces the easy selection of certain, meaningful, sets of laps.

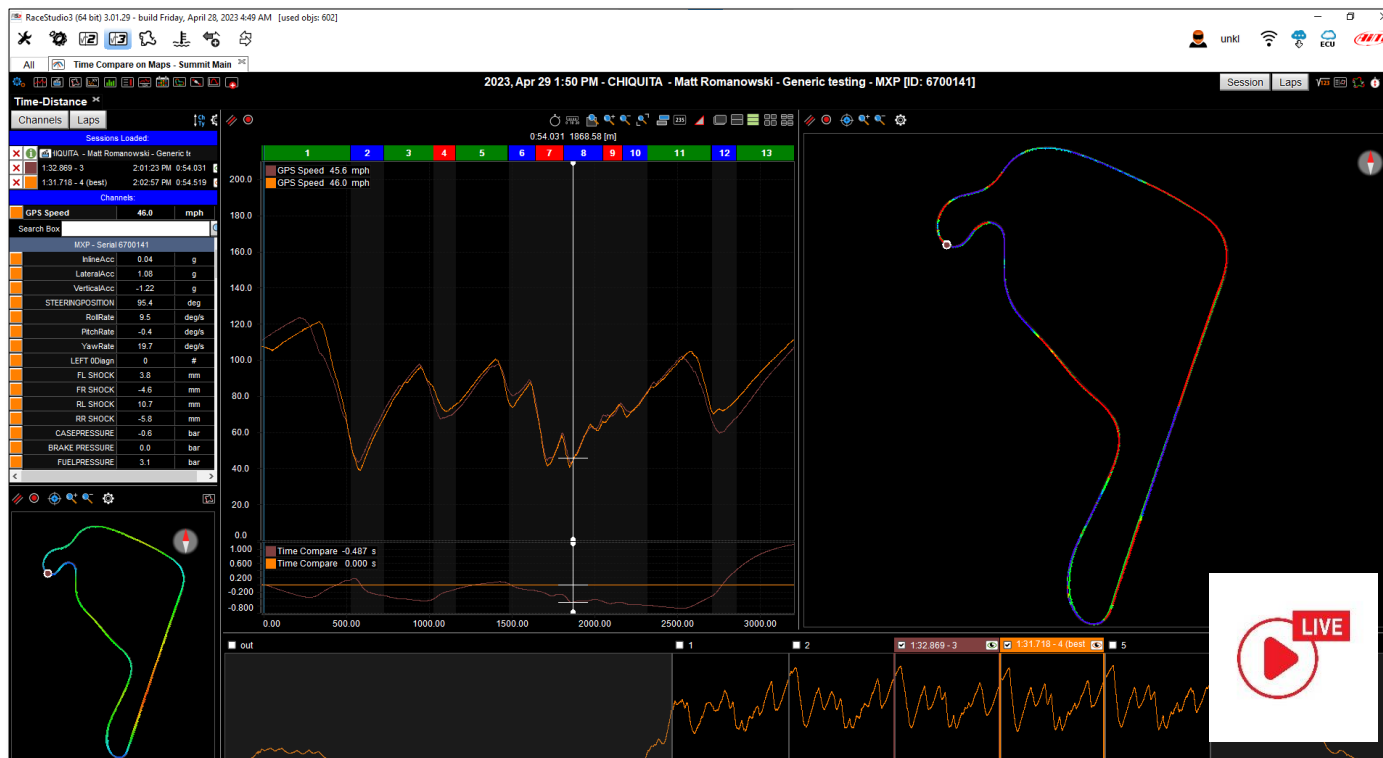
- The best N laps, when you want to see where the performance is
- The first N laps, when you for example want to see how your vehicle behaves just out of pits
- The last N laps, when you for example want to see how temperatures stabilized in your session
- The laps of the best N splits (per track map sector), when you are analyzing the performance only in a given place



Time Compare on Maps

Maps can now be colorized by Time Compare values.

This new possibility adds to the existing colors capabilities: by channel value, by split, by lap.



RS3 Updates – Susp Analysis

Time Compare on Maps

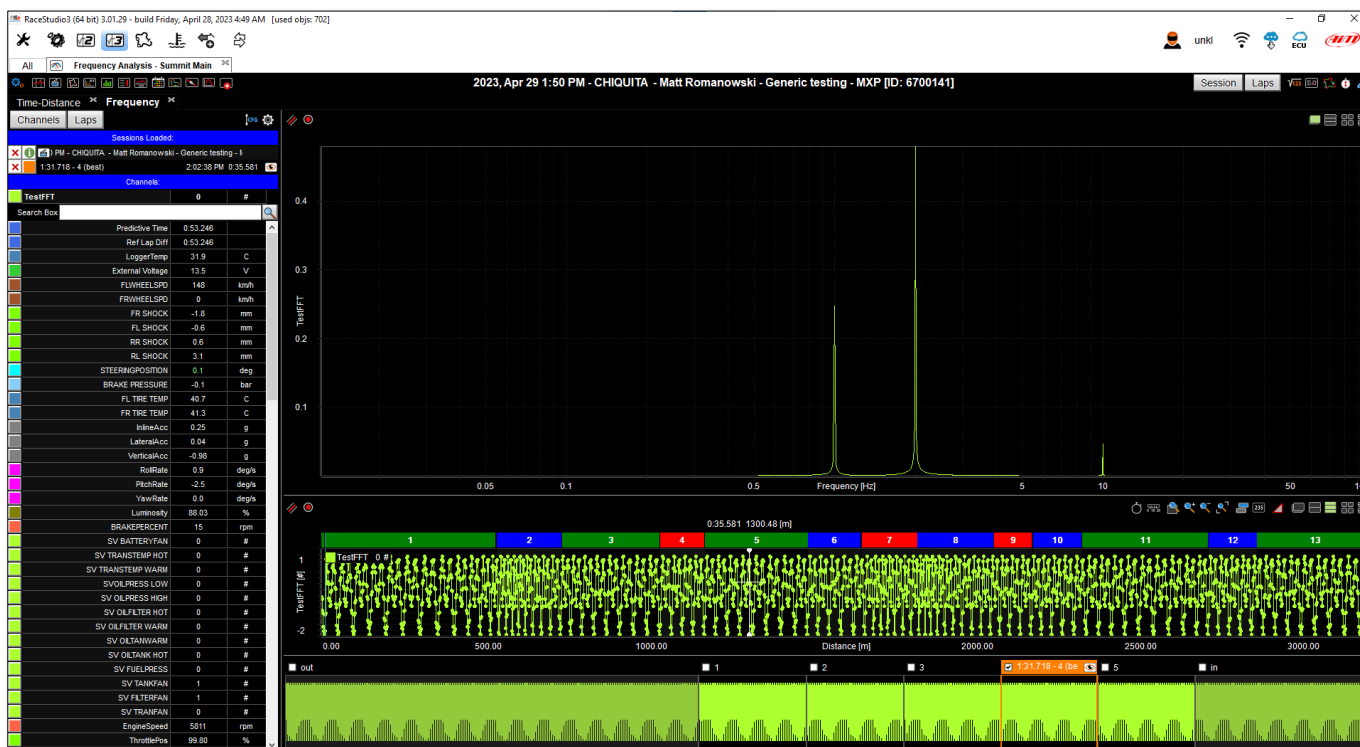
LearnFast™



aimsports.com

Frequency Analysis

Frequency Analysis is one of the building blocks of Suspension Analysis. The DFT/FFT transformation results are absolutely valuable by itself and can guide your understanding of many sources of data.



RS3 Updates – Susp Analysis

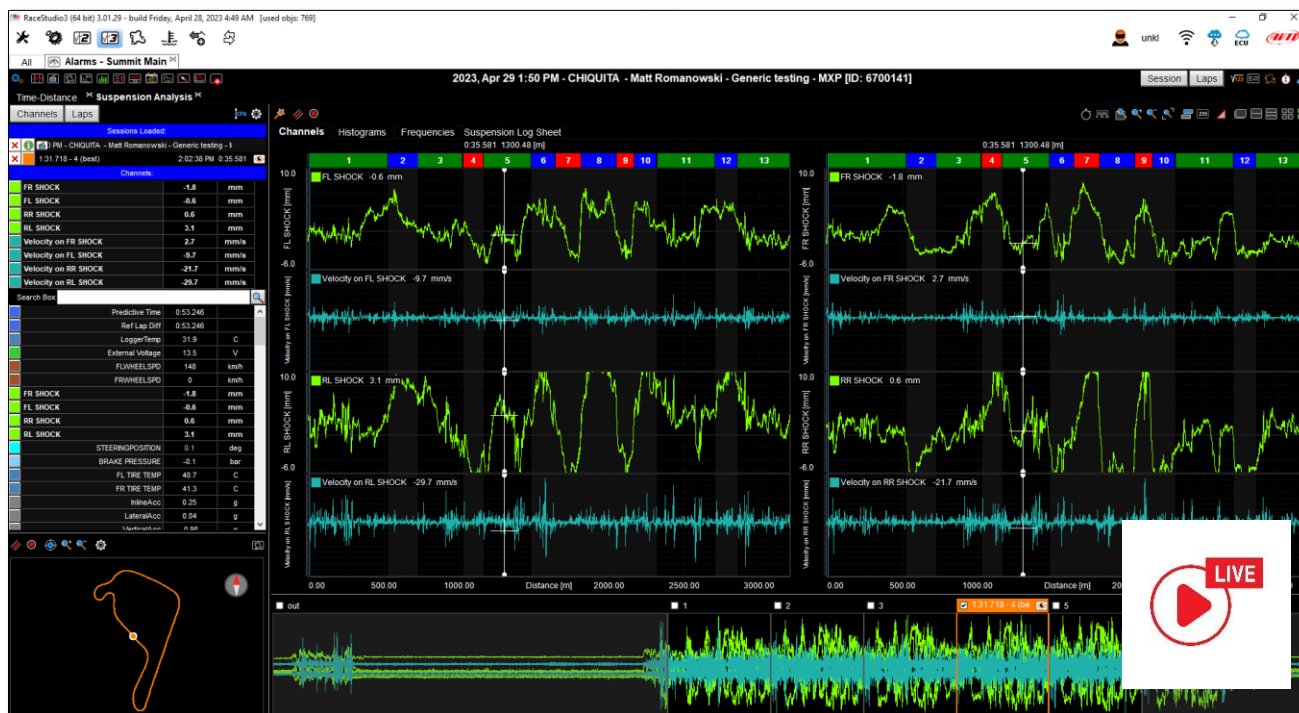
Frequency Analysis

LearnFast™

Suspension Analysis

This layout has to be considered as an easy introduction to the understanding of how your suspension is behaving.

You need suspension position potentiometers installed, and then RS3Analysis will guide you into the computation of suspension positions/velocities and organize the most useful plots for you.



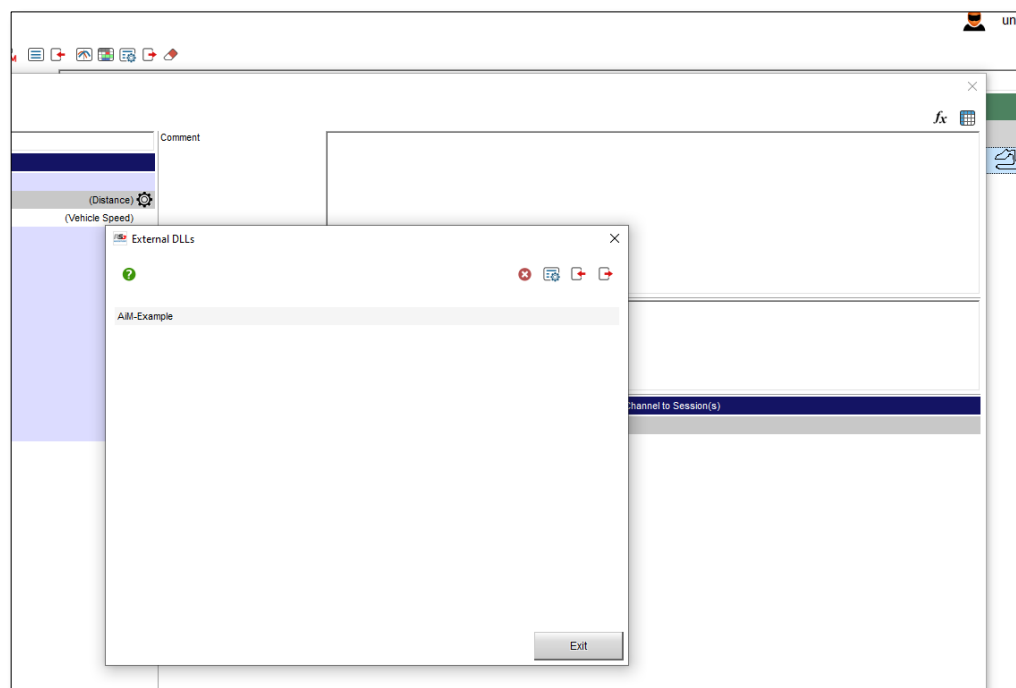
RS3 Updates – Susp Analysis

Suspension Analysis

LearnFast™

Math Channels Plugin

This feature targets, let me say, the most “geeky” users of AiM products. If you’re one of us, you’ll get benefit out of the possibility to build a dll, starting from a template C++ project (open source), to create math channels of your own.



Please contact software@aim-sportline.com

LearnFast™ E-Training Videos



Currently **231** Videos and Growing

YouTube www.youtube.com/aimdata

Race Studio 3 Updates
Featuring Suspension Analysis

Host:
Roger Caddell
AIM Sports - National Training Manager

Co-Host:
Emiliano Bina
AIM Sportline Software

aimsports.com Tuesday November 28th, 2023 LearnFast™

- All New 2020 - 23 Live Webinar Videos
- Software Updates with Race Studio 3
- Pre-Calculated Gear Position Function
- Configuring WiFi Communication
- Customizing AiM Device Logos
- Race Studio 3 Basic Configuration - Part 1
- Race Studio 3 Basic Configuration - Part 2
- **I Have Downloaded my Data, Now What - Part 1*
- **I Have Downloaded my Data, Now What - Part 2*
- GPS Lap Insert
 - Selection Criteria
- Data Views
 - Sensor Calibration
- Measure Units
 - Conditional Alarms
- Sort Channels
 - Gear Position
- Test Properties
 - Firmware Update
- Per Lap Color
 - Solo Configuration
- Export Tests
 - Transmit Tracks
- Channel Reports
 - Gps Manager Overview
- Setting Time
 - New GPS Track
- Track Mapping
 - Webinars
- * *Most Popular and Recommended*

Analog CAN Converter (ACC)
Compact Yet Powerful!

Host:
Roger Caddell
AIM Sports - National Training Manager

Co-Host:
Chloe Lein
AIM Sports - National Training Manager

aimsports.com Tuesday October 31st, 2023 LearnFast™

Webinar Series
Bringing Data Support and Training to You

Data Download Options
In Race Studio 3

March 31st, 2020

www.aimsports.com 1.800.718.9090

Additional Materials

LearnFast™ E-Training Videos

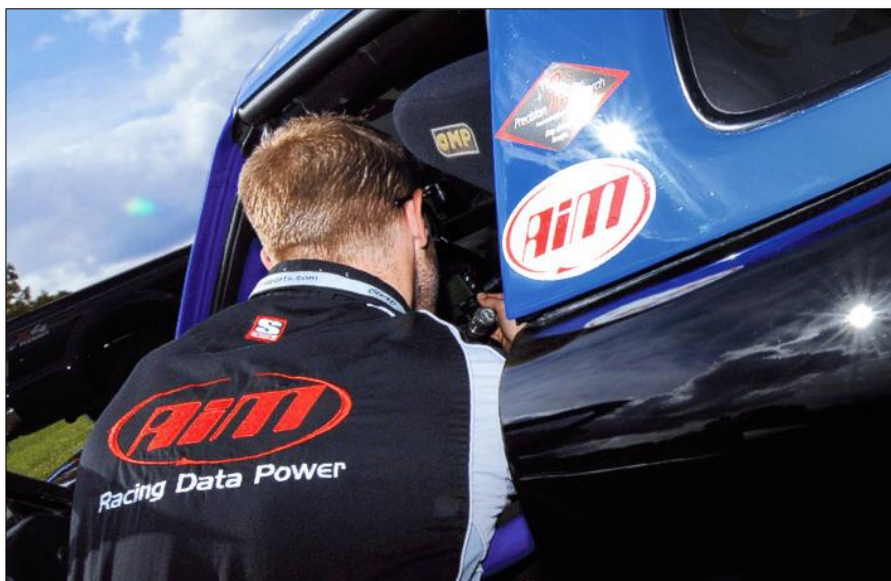
LearnFast™

Customer Support



AiM Sports Technical Support Staff Regularly
Attend Races and Other Events

Look For Us At An Event Near You
Or Call Us At **800.718.9090**



Customer Support

At An Event Near You!

LearnFast™



[aimsports.com](https://www.aimsports.com)



2023 PRI Show

Come and Visit Us – Booth 3257

Come Chat with all Your Favorite AiM Techs
and Possibly See Some New Products!



PRI
December 7-9, 2023
Indianapolis, Indiana, USA

AiM Sports LLC
Come and visit us
BOOTH 3257

2023 PRI Show – Booth 3257

Indianapolis, IN – Dec 7-9, 2023

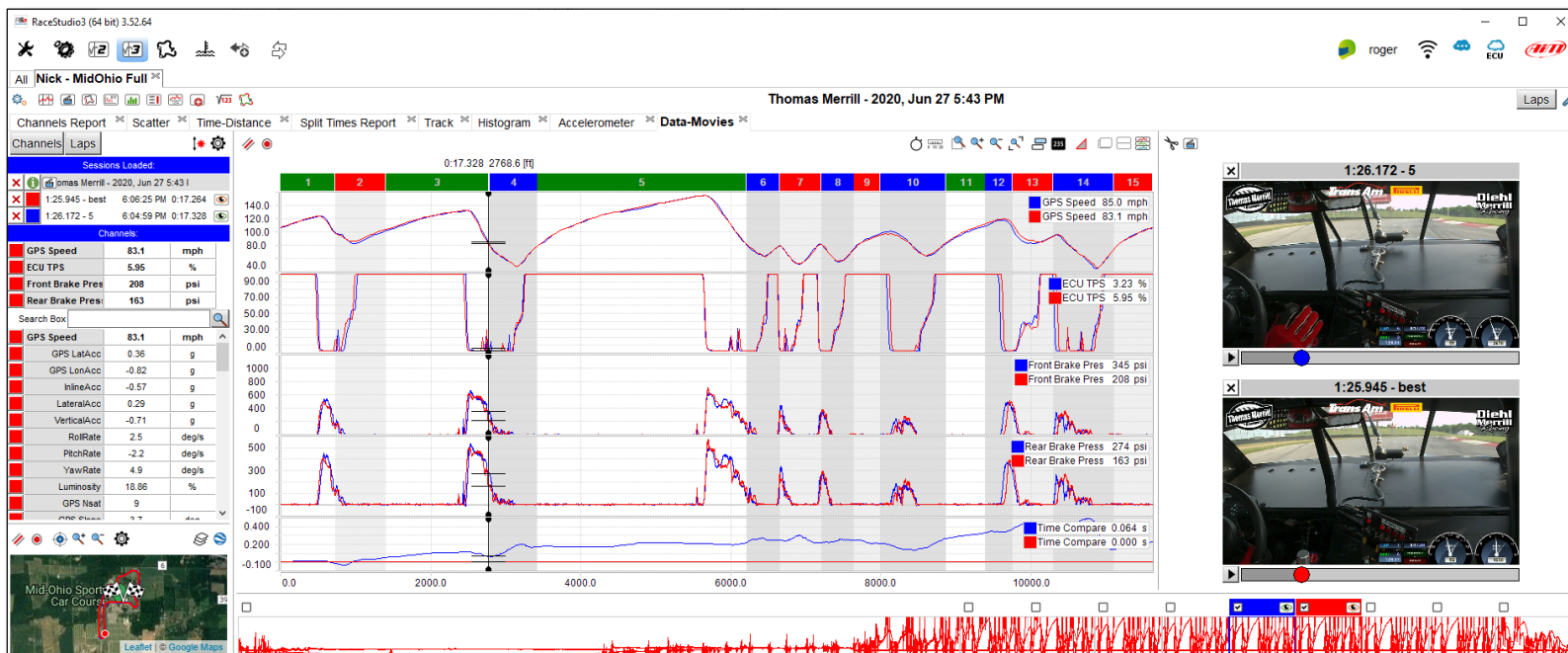


[aimsports.com](https://www.aimsports.com)

LearnFast™

Next AiM Sports Webinar

January 26th, 2023 – Last Tuesday of Each Month



Host:

Roger Caddell

AiM Sports - National Training Manager

Co-Host:

TBD

TBD

Next Webinar: Tuesday January 30th, 2023 - 10:00am Pac/1:00pm East

Next Webinar

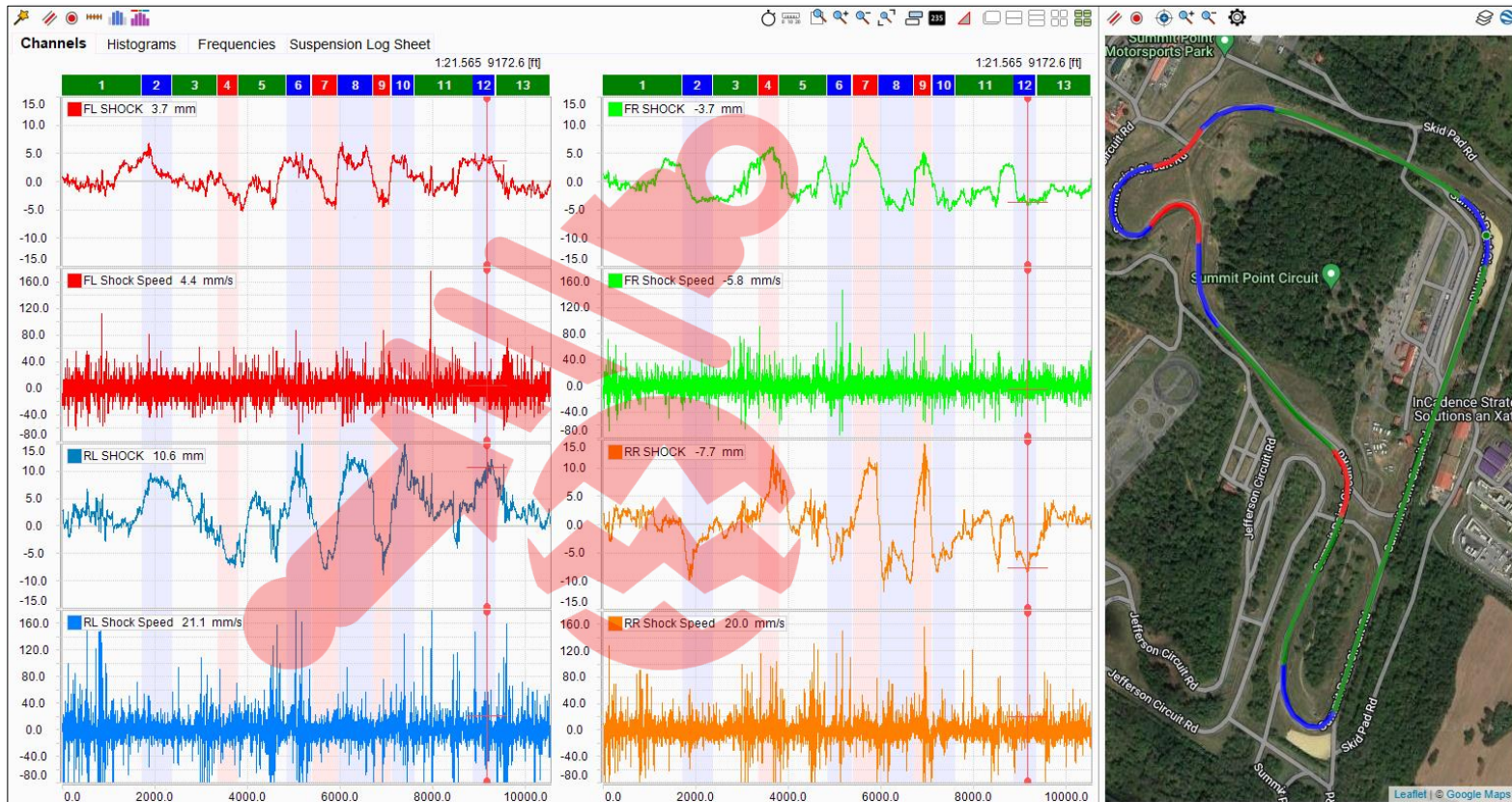
Last Tuesday of Each Month

LearnFast™



[aimsports.com](https://www.aimsports.com)

Contact Information



Host:

Roger Caddell

AiM Sports - National Training Manager
roger@aimsports.com

Co-Host:

Emiliano Bina

AiM-Sportline – Software Lead
software@aim-sportline.com



aimsports.com

Tuesday November 28th, 2023

LearnFast™