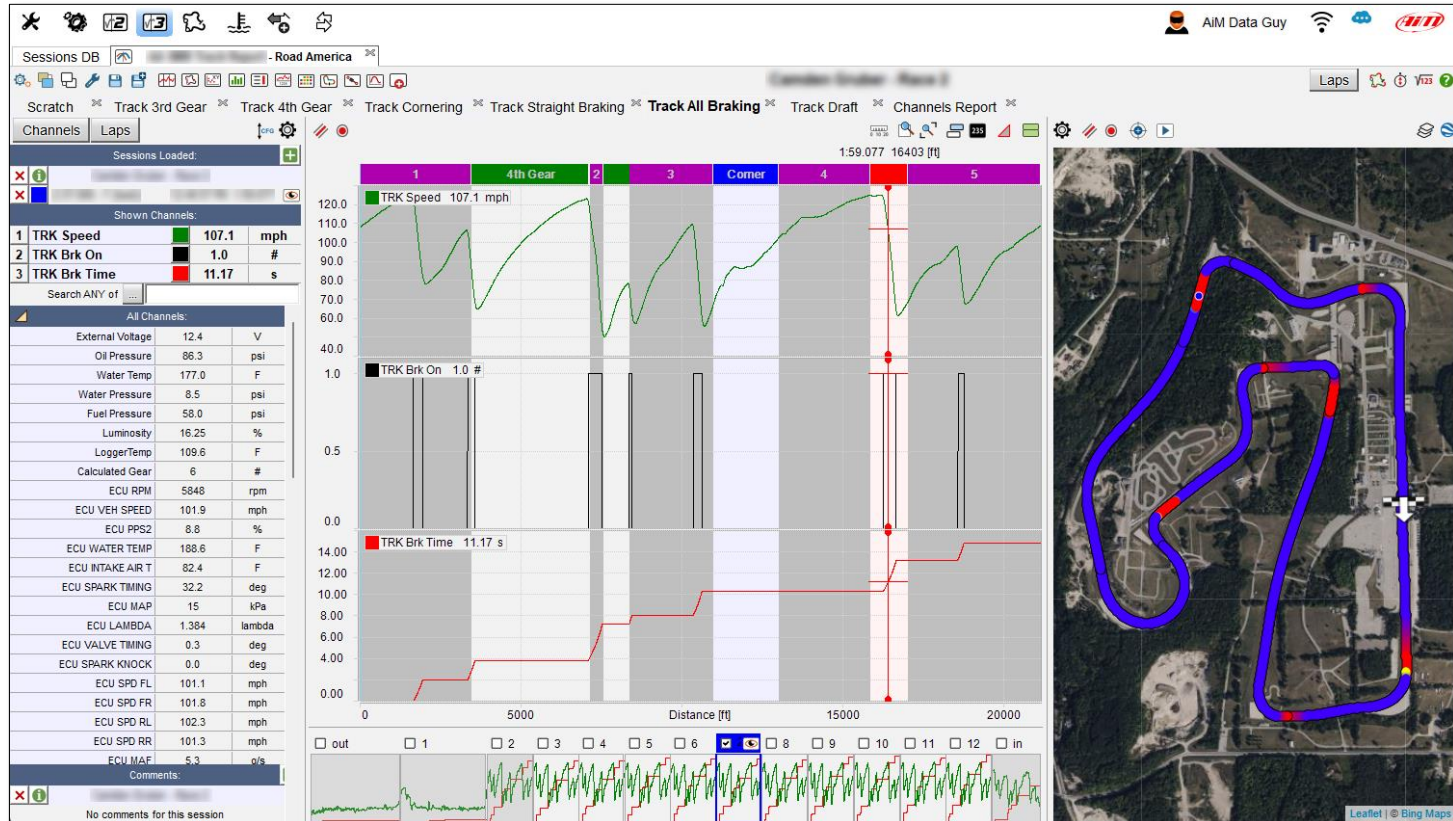


Race Studio 3 – Updates!

New Functions and Enhancements



Host:
Roger Caddell
AiM Sports - National Training Manager

Co-Host:
Emiliano Bina
AiM Sportline Software



aimsports.com

Tuesday July 30th, 2024

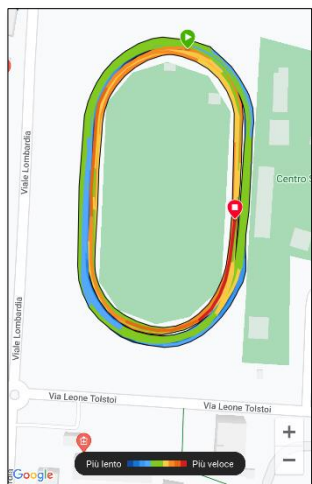
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Emiliano Bina

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
- 22 Time AiM Sports Webinar Co-Host!



Emiliano Bina

AiM-Sportline Software Developer



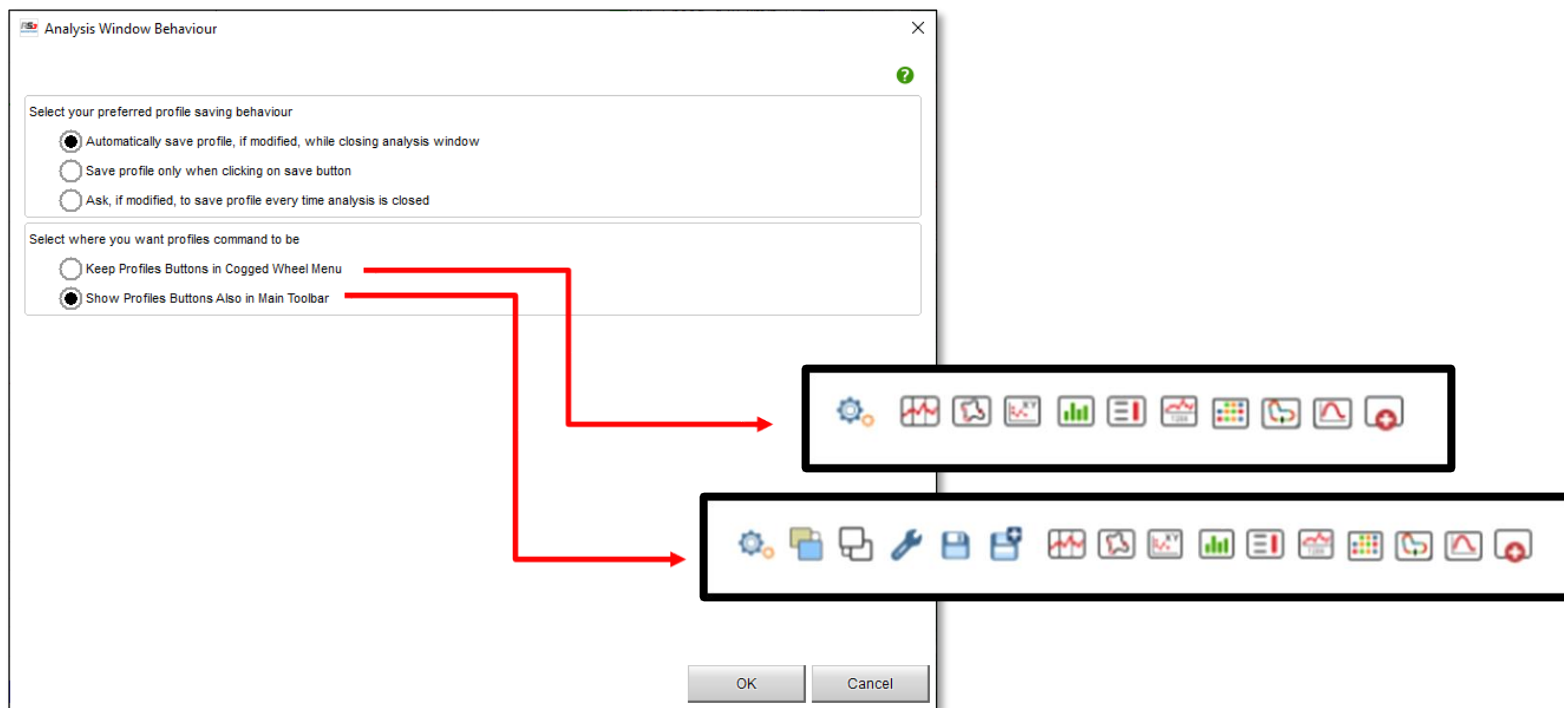
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Profiles Revisited

Analysis Window Behavior

It may sound like a logical mistake: we speak about profiles and we start with... non profiles settings!



Profiles Revisited

Profiles Manager



All main operations with profiles.
Compare Local vs AiM Cloud.

Profile Name	Available Locally	Available On AiM Cloud
AiM Profile (*)	2024, Jul 29 2:27 PM	2024, Apr 23 10:57 PM
Analysis - Speed	2021, Aug 19 11:17 AM	2020, Aug 27 10:29 AM
Analysis-0001	2024, May 20 7:59 AM	N/A on cloud
Banana Braking	2022, Jul 15 9:21 AM	N/A on cloud
Basics Webinar	2021, Nov 04 8:29 AM	N/A on cloud
BioTelemetry - Speed	2021, Apr 05 1:33 PM	N/A on cloud
Biotelemetry Video - Speed	2020, Dec 13 8:54 PM	2020, Dec 13 8:54 PM
Block P ktm 2 t	2024, Jul 22 2:49 PM	N/A on cloud
Block P ktm 2 t.20240722_144912 1	2024, Jul 23 4:10 PM	N/A on cloud
Colored Measures Graph	2021, Nov 04 8:34 AM	N/A on cloud
ECC TA	2023, Mar 26 9:50 AM	N/A on cloud
Emiliano		2024, Apr 10 3:46 PM
Friction Circle Advanced Webinar - Speed	2021, Apr 05 1:29 PM	N/A on cloud
Friction Circle Colored by TPMS - Speed	2021, Oct 20 6:09 AM	N/A on cloud
Friction Circle Simple Webinar - Speed	2021, Apr 05 1:10 PM	N/A on cloud
Friction circle - Speed	2020, Dec 01 1:34 PM	N/A on cloud
Full Chiquita	2022, Aug 18 4:24 PM	N/A on cloud

Race Studio 3 - Updates

Profiles Revisited

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Profiles Revisited

Colors and Accessories



General settings of the Profile.

Colors and Accessories Settings

Colors Session Naming Ref. Slices

Plot Color Mode
☒ Light ☐ Dark

Plot Color Scheme
☐ Colors Per Channel ☐ Colors Per Lap
☐ Colors Per Run ☒ Colors Per Channel If One Lap Shown, Per Lap Otherwise
☐ Colors Per Channel On Reference Lap, Per Lap Otherwise

Reset Colors to Defaults Dark Light

Plots Track Lines Reports Runs **Laps** Channels

1) 59 - 2024, Jul 18 10:17 AM - 1:17.845 - 7 (best)
2)
3)
4)
5)
6)
7)

Dark Light

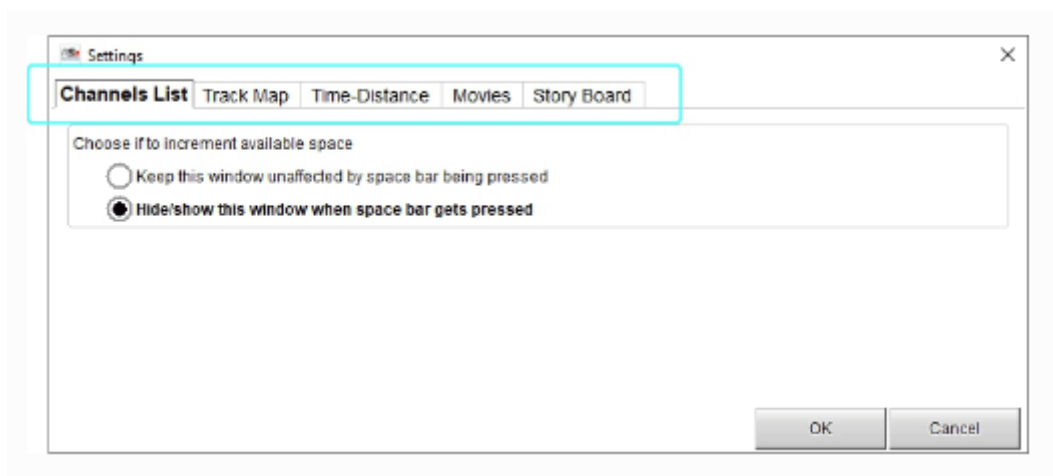
OK Cancel

Profiles Revisited

Layout Settings



Layout Settings. All the settings of all the panels of currently shown layout.



Profiles Revisited

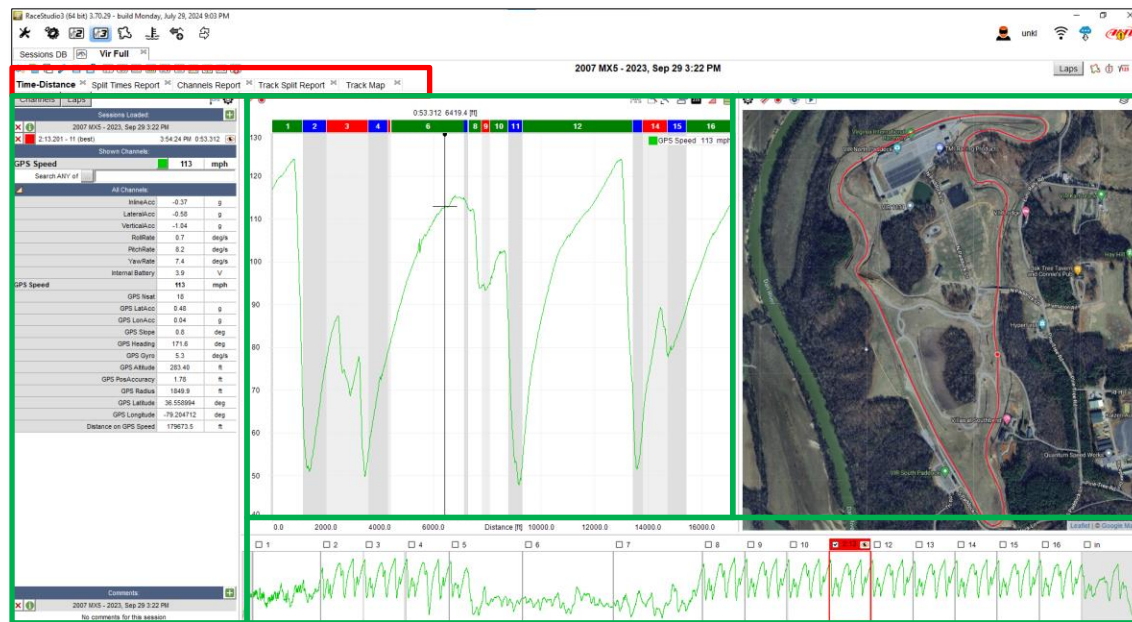
Profiles Structure



Profile -> Layouts -> Panels.

Layouts = **tabs**.

Panels = **windows** inside tab, separated by sizeable splitters.



Race Studio 3 - Updates

Profiles Revisited

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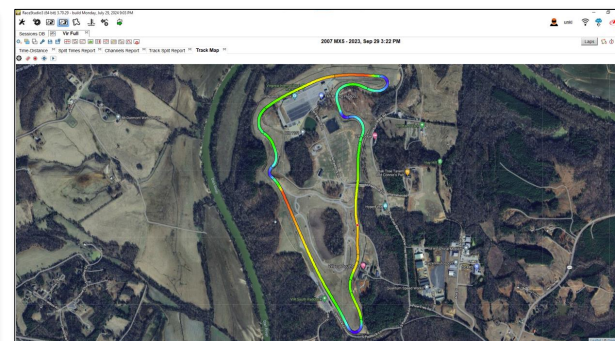
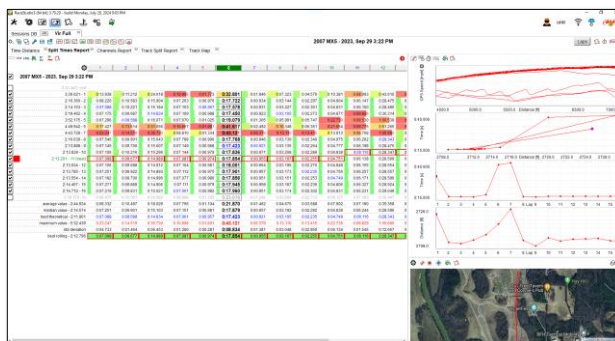
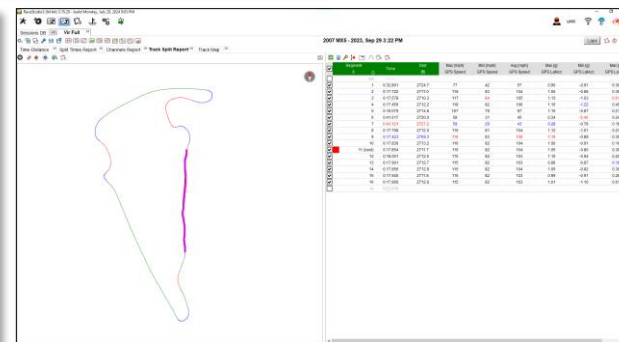
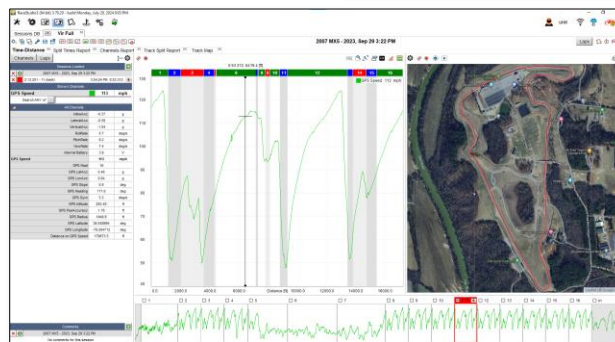
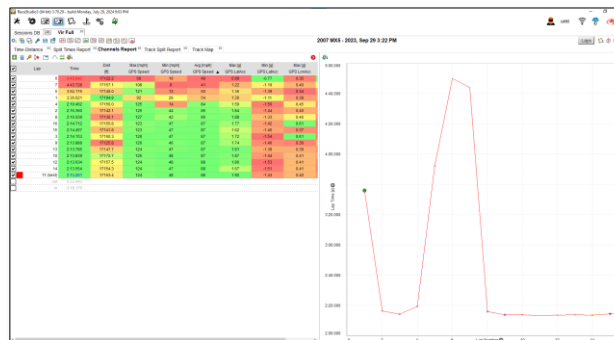
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Profiles Revisited

AiM Default Profile



- Time/distance
- Split Times Report
- Channels Report
- Track Split Report
- Track Map



Race Studio 3 - Updates

Profiles Revisited

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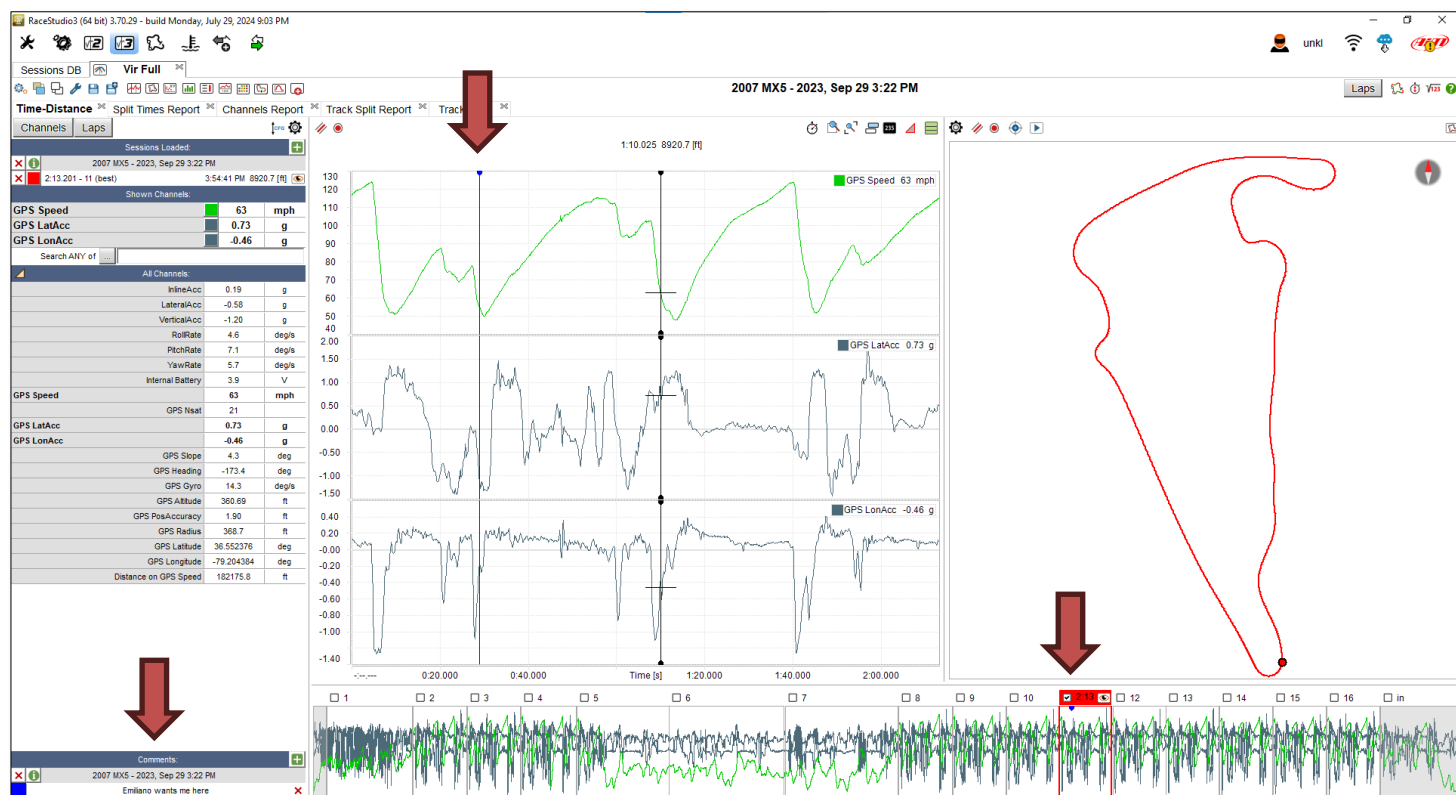
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Channels List

Comments



Comments can be added within the channels list, reflecting on other parts of the layout.



Race Studio 3 - Updates

Channels List

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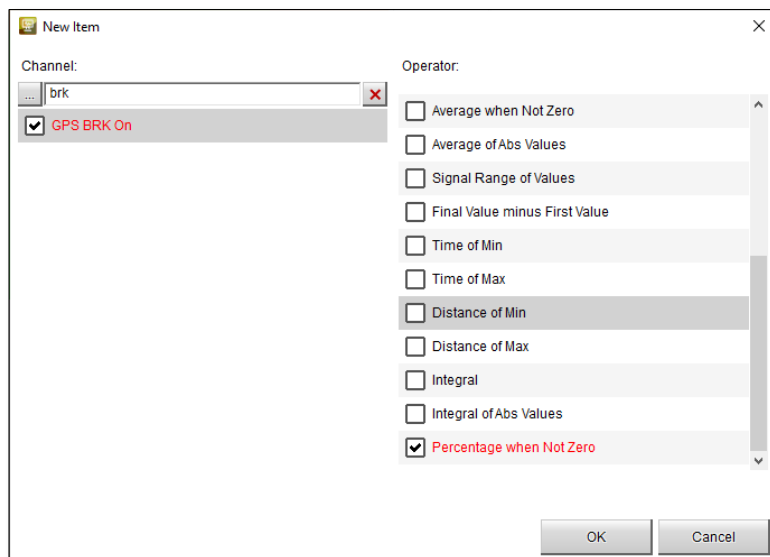
Channels Report

Improvements



New statistic available: percentage.

Magic wand for some useful default items.



		Dist [ft]
2 (best)	2:14.324	17152.9
3	2:16.810	17140.0
4	2:16.142	17156.1
5	2:16.806	17160.2
in	3:35.057	

Race Studio 3 - Updates

Channels Report

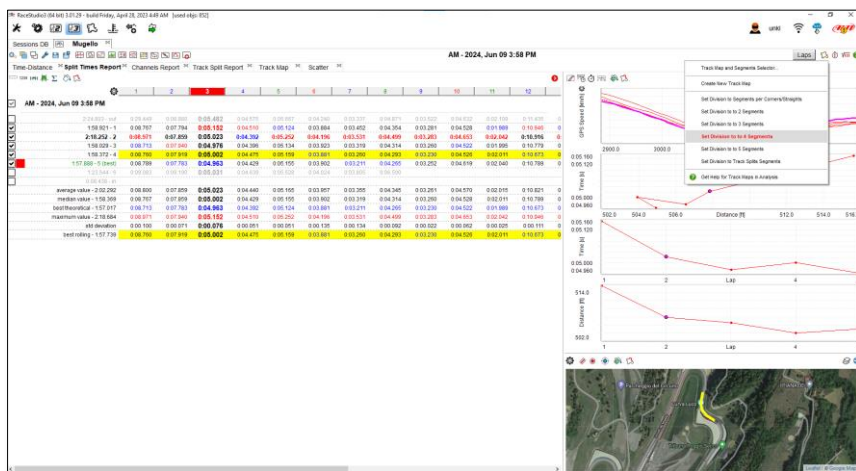


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Tracks Segmenting

Segment Number



Track Map and Segments Selector...

Create New Track Map

Set Division to Segments per Corners/Straights

Set Division to to 2 Segments

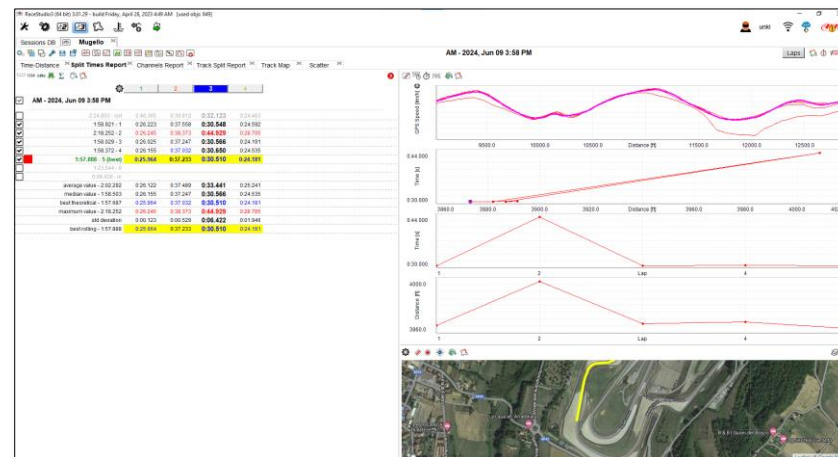
Set Division to to 3 Segments

Set Division to to 4 Segments

Set Division to to 5 Segments

Set Division to Track Splits Segments

Get Help for Track Maps in Analysis



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Tracks Segmenting

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Tracks Segment Selection

How to move within segments



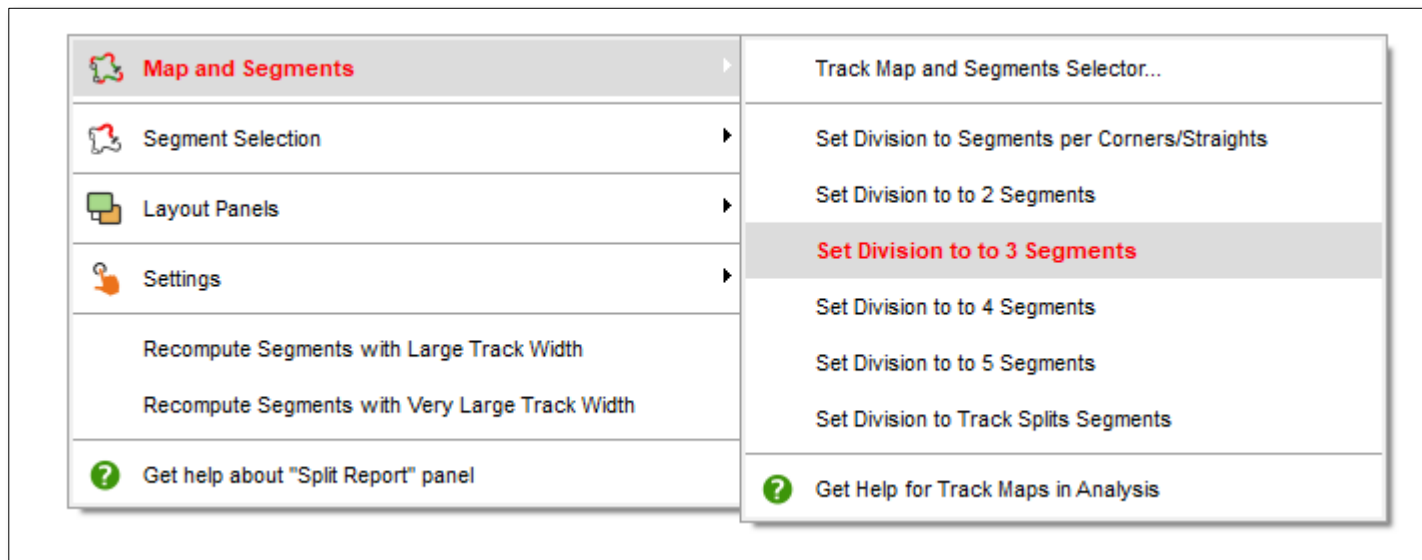
Look for the icon with a single segment.
Choose the one you want.

+ 🗑️ 📌 ✂️ 📄 🔄 📍					
☒	Segment	📍 Segment Selection			
☒	3	📍 Map and Segments			
☐	out				
☒	1	0:10.370	1068.3	79	60
☒	2	0:09.801	1070.5	84	63
☒	3	0:09.718	1070.2	86	64
☒	4	0:09.661	1070.0	86	63
☒	5	0:09.538	1069.2	86	64
☒	6	0:09.435	1070.8	87	69
☒	7 (best)	0:09.415	1070.2	86	69
☒	8	0:09.467	1069.3	87	65
☒	9	0:09.402	1069.1	88	68
☒	10	0:09.529	1070.0	86	67

Context Menu

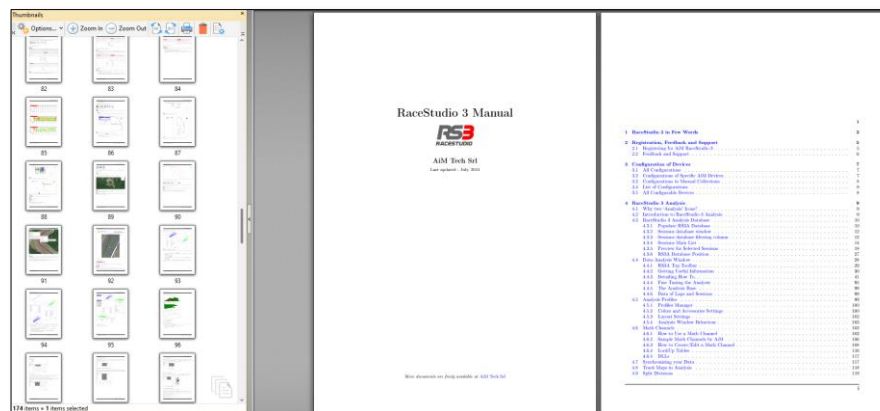
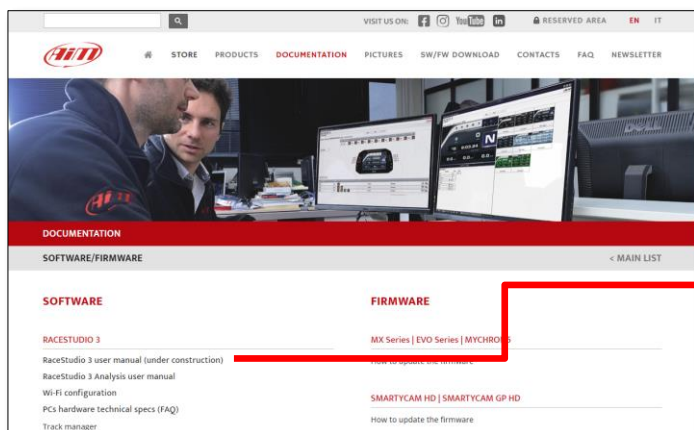
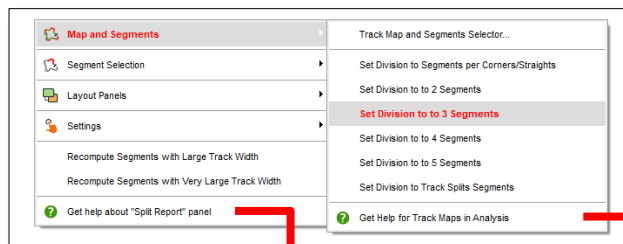
Operations and Commands in Analysis Panels

An improved Context Menu has been added to all analysis views, allowing for the call of all main commands and all settings parameters.



Help / Documentation

Embedded and Online



Race Studio 3 - Updates

Help / Documentation



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Track Coloring

Altitude



RS3 now colorizes tracks, basing upon altitude.
Red at the highest local point, blue for the lowest.

Search ALL

laguna seca

United States

WeatherTech Raceway Laguna Seca

Salinas, California, United States

2.22 mi Race Track (Paved)

WeatherTech CA

Track Weather Forecast

WeatherTech Raceway Laguna Seca

Track Name on Device: WeatherTech

1021 Monterey Salinas Highway - 93908 - Salinas

California, United States

+1 831 242 8201

<https://www.weathertechraceway.com/>

Time Zone: (UTC-08:00) Pacific Time (US, Canada) (PDT)

Local: 2024, Jul 30 12:54 AM (DST currently ON)

Latitude

Longitude

Start/Finish

36.5864730° N

121.7566403° W

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Track Coloring

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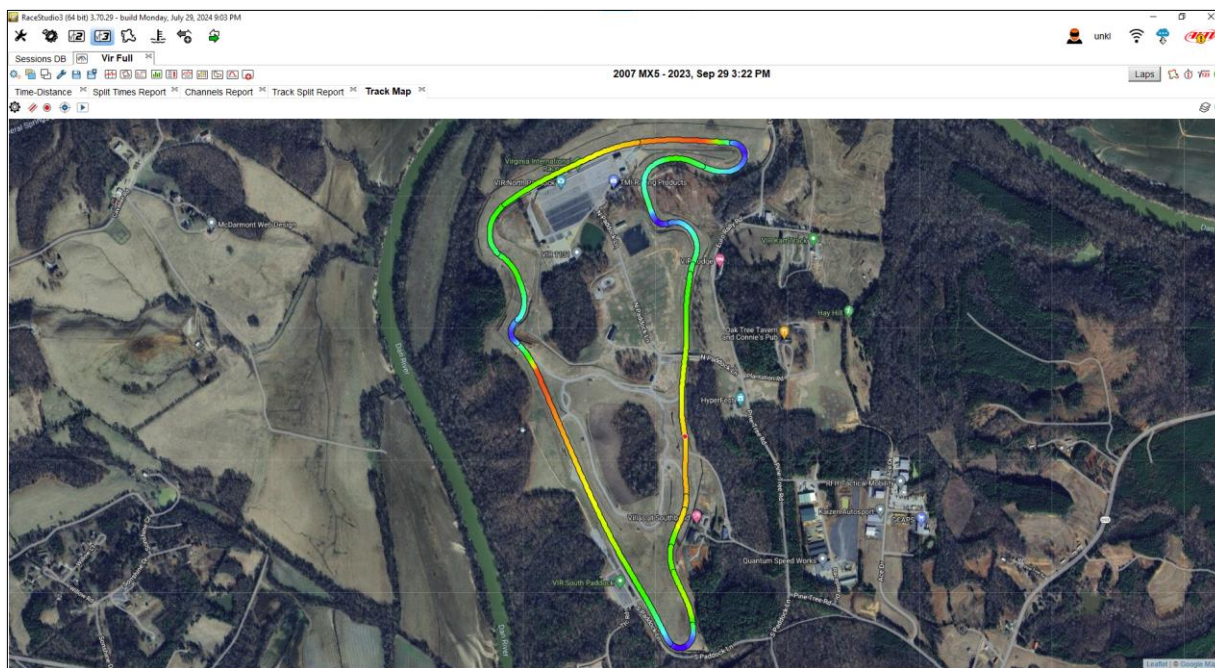
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Color Lines on Web Tiles

Channels or Time Compare



RS3 now colorizes traces, basing upon either values of a channel or time compare, also on web tiles maps.



Race Studio 3 - Updates

Color Lines on Web Tiles



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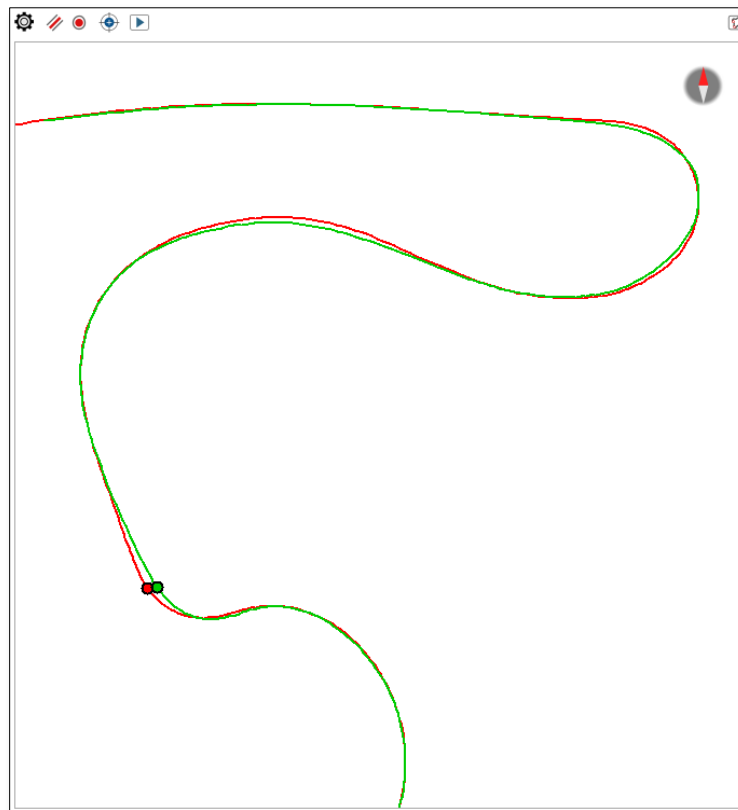
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Animation on Track Line

Let's replay: who's faster?



You can “animate” (or play) data so to see the cursor moving, very close to real time, directly on the track.



Race Studio 3 - Updates

Animation on Track Line



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Search Bar

All or Any?

- ALL vs ANY
- Search history
- Search suggestions

Search ANY of

Search ANY of the words typed

Search ALL the words typed

Search ANY of	vir	matches with 'vir']		
☒	Vir Full - 2023, Sep 30, 11:29 AM	11	2:13.566	Race
☒	WeatherTech Raceway Laguna Seca	7	2:14.324	Race
☐	Clear search history			

Track Weather Forecast

WeatherTech Raceway Laguna Seca

Words entered in the Search Box are matched against:

- track long name contains ...
- track short name contains ...
- track city begins with ...

CA Time Zone: (UTC-08:00) Pacific Time (US, Canada)

Race Studio 3 - Updates

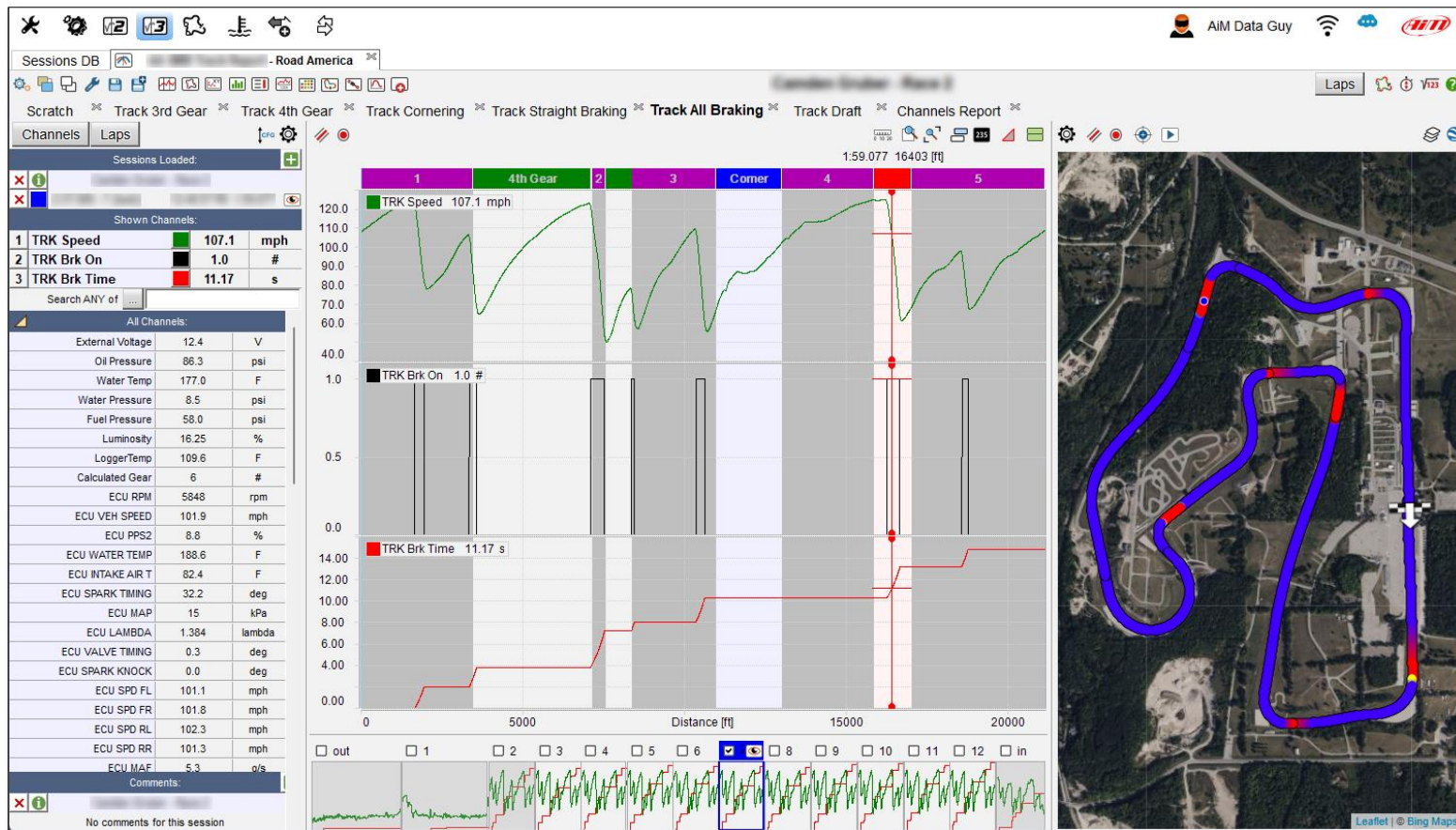
Search Bar

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Live Race Studio 3 Demo



Race Studio 3 - Updates

Live Race Studio 3 Demo

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LearnFast™ E-Training Videos



Currently **244** Videos and Growing

YouTube www.youtube.com/aimdata

#5-13
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If You Have Questions

Race Studio 3 – Updates!

New Functions and Enhancements

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#179

Tom Tang
Conquering Pike's Peak

with Tom Tang, Roger Caddell, and Bryce Talley

Co-Host:
Bryce Talley
AIM Sports

Host:
Roger Caddell
AIM Sports National Training Manager

Guest:
Tom Tang
2024 Race Team

aimsports.com
Tuesday July 9th, 2024
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Webinar Series
Bringing Data Support and Training to You

Data Download Options
In Race Studio 3

www.aimsports.com
March 31st, 2020
1.800.718.9090

- All New 2020 - 24 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
 - Data Views
 - Measure Units
 - Sort Channels
 - Test Properties
 - Per Lap Color
 - Export Tests
 - Channel Reports
 - Setting Time
 - Track Mapping
 - Selection Criteria
 - Sensor Calibration
 - Conditional Alarms
 - Gear Position
 - Firmware Update
 - Solo Configuration
 - Transmit Tracks
 - Gps Manager Overview
 - New GPS Track
 - Webinars
- * Most Popular and Recommended*

Additional Materials

LearnFast™ E-Training Videos

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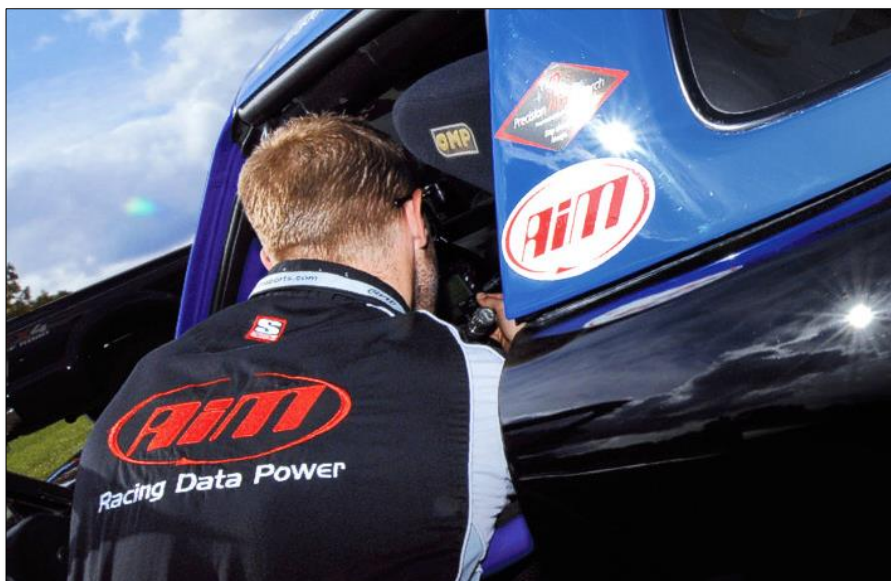
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Customer Support



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!

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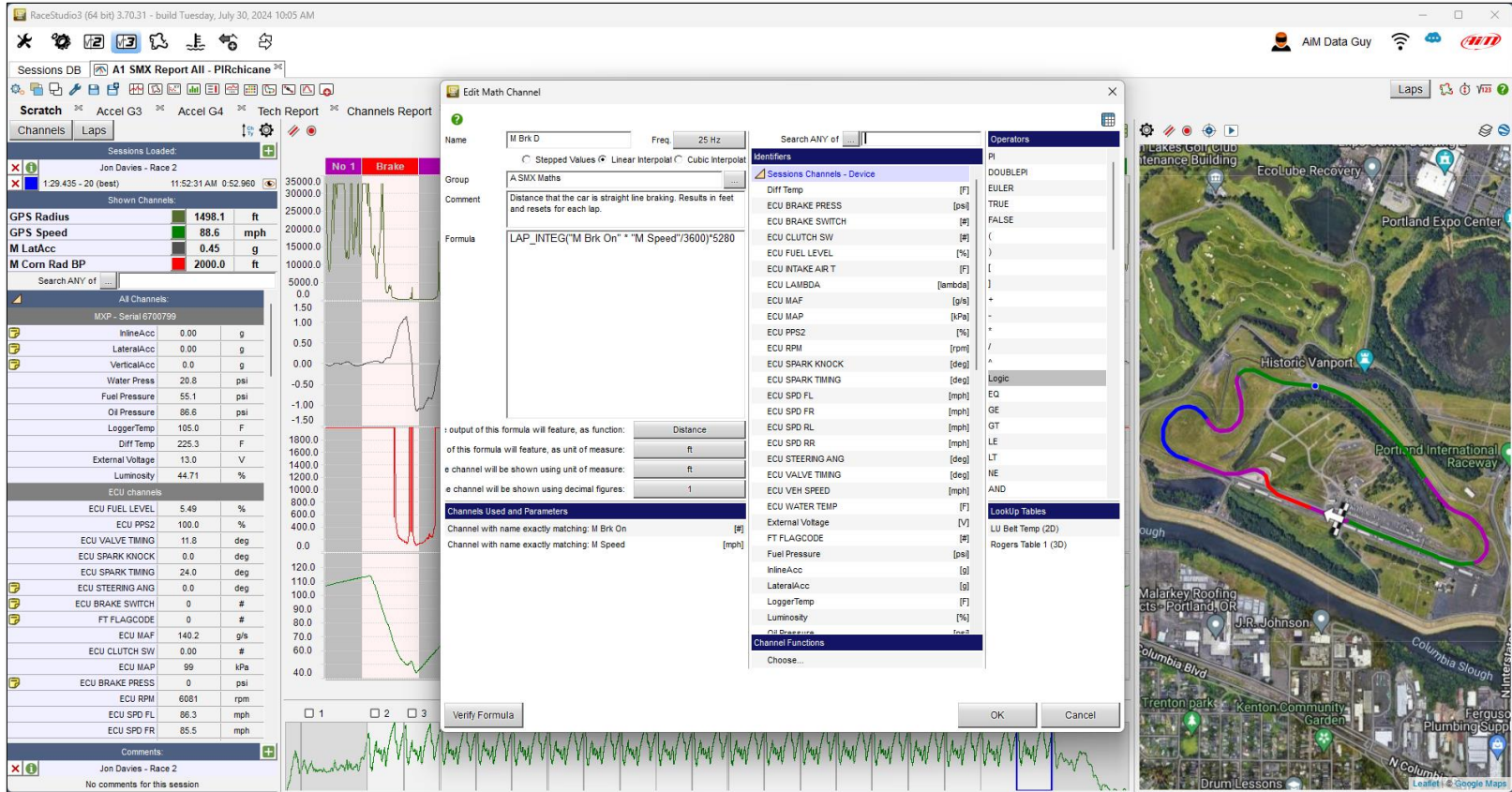


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#5-14
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If You Have Questions

Next AiM Sports Webinar

Tuesday, August 13th, 2024 – 6pm Pac / 9pm East



Roger Caddell

AiM Sports - National Training Manager

Ray Phillips

Precision Driving Analytics

Next Webinar

2nd & Last Tuesday of Each Month

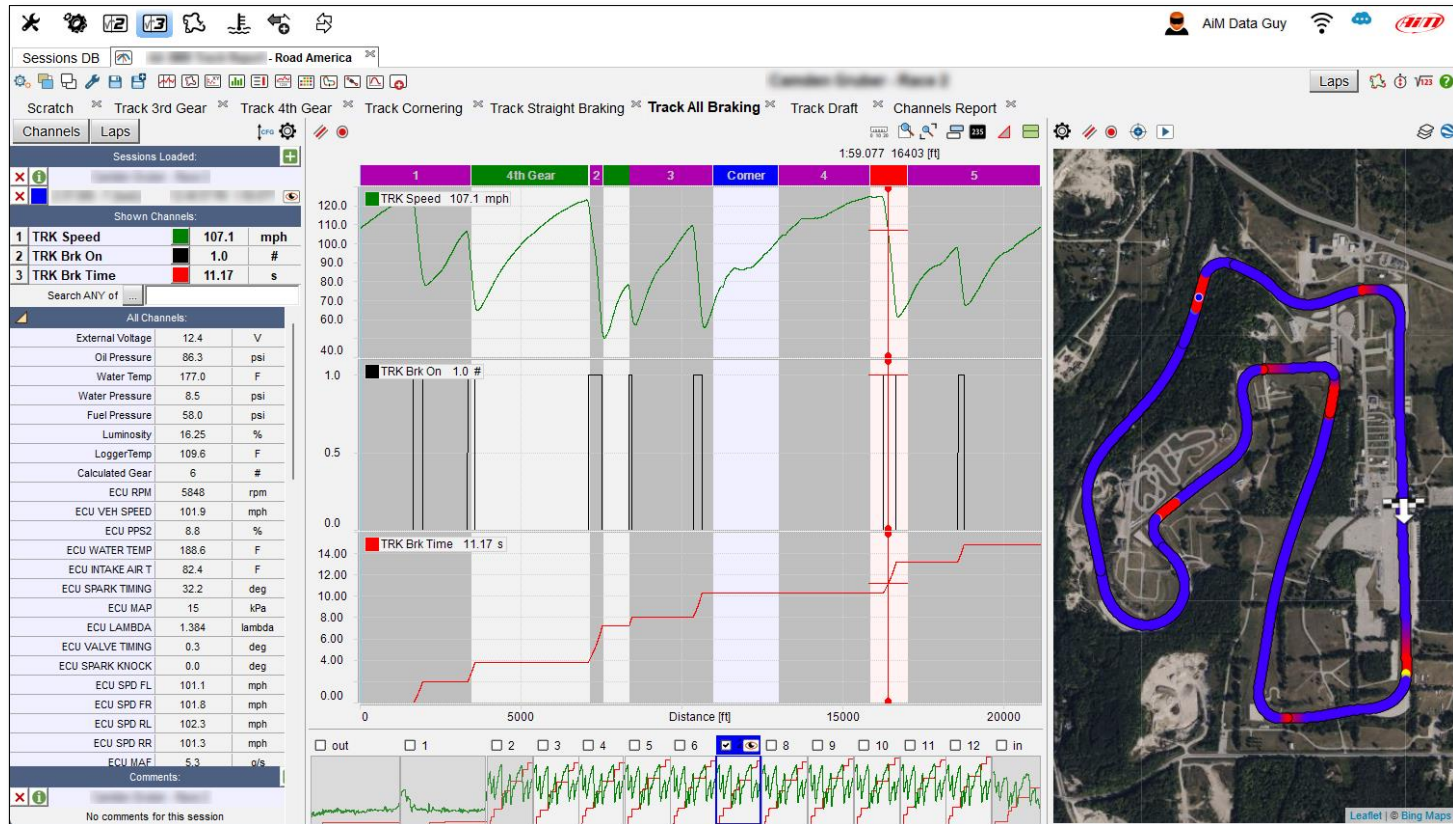


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#180

Contact Information



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Emiliano Bina

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



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