



Racing Sim Data

How Best to Use It In Race Studio Analysis



Host:

Roger Caddell

AiM Sports - National Training Manager

Co-Hosts:

Emiliano Bina

Software Developer AiM Sportline

Co-Hosts:

James Colborn

Motorsports Enthusiast

Co-Hosts:

Ray Phillips

Precision Driving Analytics

Co-Hosts:

Thijs Veenstra

Race Engineer



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

Tuesday January 4th, 2022

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Today's Co-Hosts:

James Colborn



Ray Phillips



Thijs Veenstra



Emiliano Bina



Which Simulators?

During the pandemic AiM worked to allow the support for the main simulators into AiM world.

Supported Sim Platforms are:

- iRacing
- Assetto Corsa
- Assetto Corsa Competizione
- rFactor 2

What Can I Do?

The possibilities with all the supported simulator platforms are:

Stream simulation data in real time to an AiM device.

This allows you to test several dash possibilities in order to prepare for true racing (*).

Take saved simulation data into the AiM analysis software, either RS2A or RS3A. This allows you to test different vehicle setups (all these sim platforms are great!) as well as to test how the data analysis will be.

(*) all AiM “1.2” devices (MXP 1.0 included) and supporting ECU protocols will be working

Side Application ASM

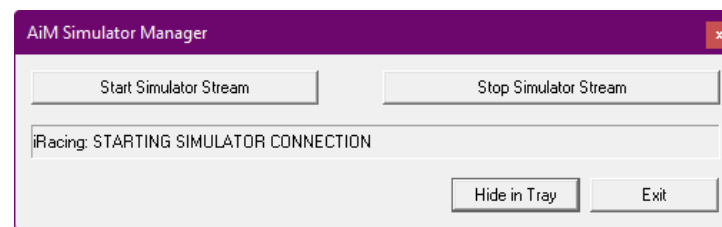
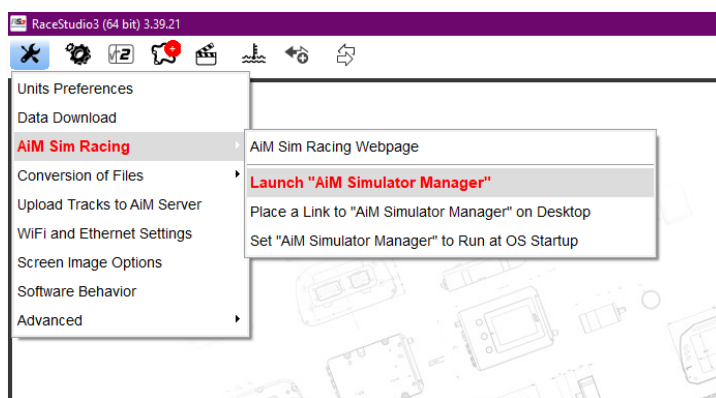
AiM Simulator Manager (ASM) is a dedicated application designed to stay resident into OS tray.

ASM has a low memory footprint, not to impact simulation software.

ASM gets copied into your PC while installing RS3.

ASM can be manually launched or set to be resident in the tray within RS3 itself.

ASM is or can be needed, according to different sim platform, to accomplish different tasks.



Available Channels

Channels strongly depend upon the simulation platform.

Within any simulation platform, depending upon the chosen vehicle, some channels can be:

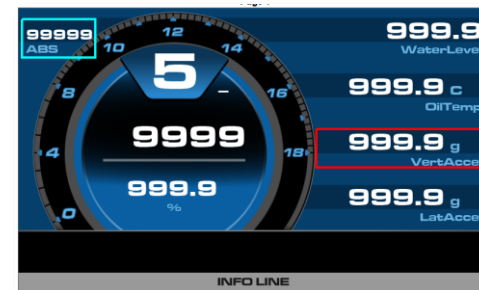
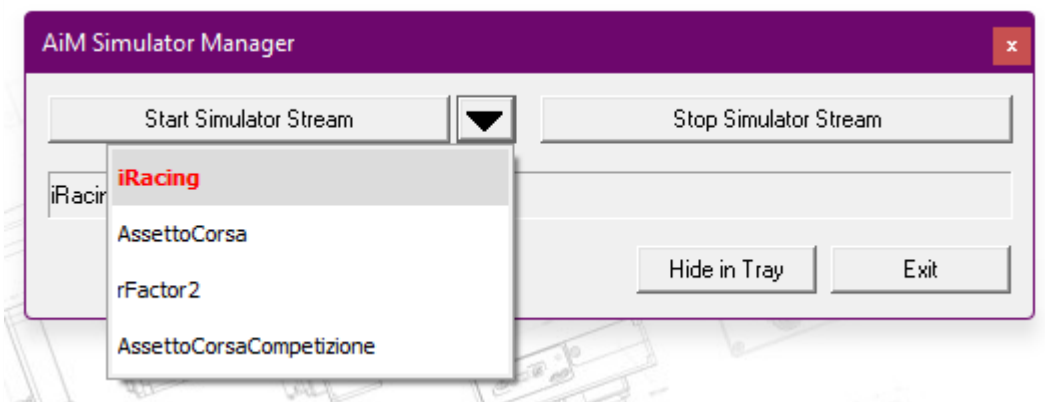
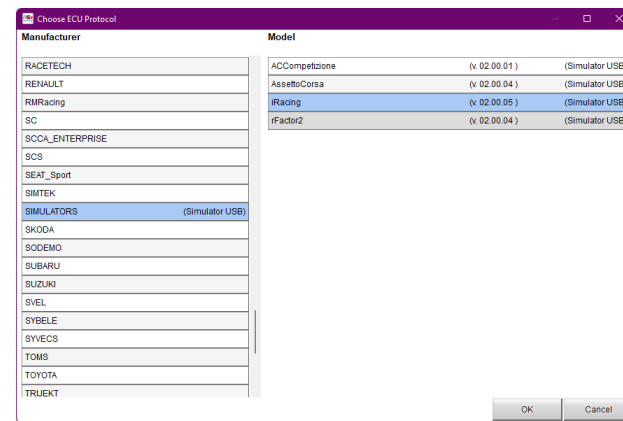
- Available or not available
- Meaningful or meaningless

Stream to device: any Sim Platform

Prepare a configuration for your device, choosing the correct protocol among those available. In the protocol you'll find the most useful subset of all the channels available in the platform.

Complete your configuration and transmit it to your device. Leave the device plugged in.

Launch the ASM software and choose the simulator stream, then click 'Start ...'



Racing Sim Data in Race Studio 3

Stream to device

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iRacing

iRacing saves or can save (through options) all simulation data on your PC by itself.

Default logs folder: "C:\Users\<USER>\Documents\iRacing\telemetry".

Channels depend on the chosen car. Normally there are no meaningless channels. If a car is not featuring a channel, you won't find it into the data.

Assetto Corsa / Competizione

For both **Assetto Corsa** and **Assetto Corsa Competizione**, to allow all racing sim data to be saved for AiM platform you need the ASM software to be running while using the simulator.

Just remember to choose the correct simulation platform.

Data will be saved into either of:

- "C:\AIM_SPORT\RaceStudio3\user\data\AssettoCorsa"
- "C:\AIM_SPORT\RaceStudio3\user\data\AssettoCorsaCompetizione"

Channels are always available, in case a car is not featuring a channel, the data trace will show a constant and default value in the data.

rFactor 2

For **rFactor 2**, to allow all racing sim data to be saved for AiM platform you need the ASM software to be run at least once while using the simulator.

Just remember to choose the correct simulation platform.

ASM will be copying a plugin into at the proper folder of **rFactor 2**

Data will be saved into:

- "C:\Program Files (x86)\Steam\steamapps\common\rFactor 2\UserData\AiM_Telemetry"

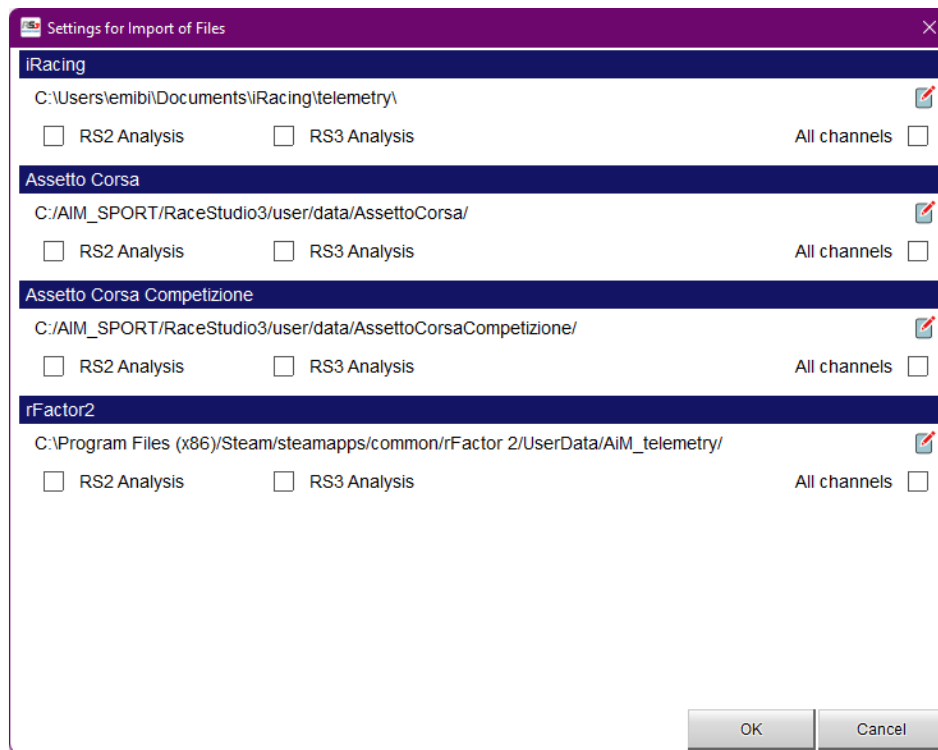
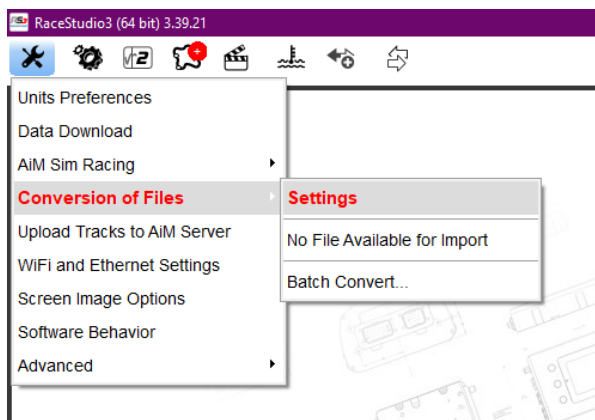
Channels are always available, in case a car is not featuring a channel, the data trace will show a constant and default value in the data.

Converting/Importing Racing Sim Data



You can have RS3 manage both the import (to RS3A database) and the conversion (into RS2A database) automatically.

You can decide whether you want the basic channels or all the channels.

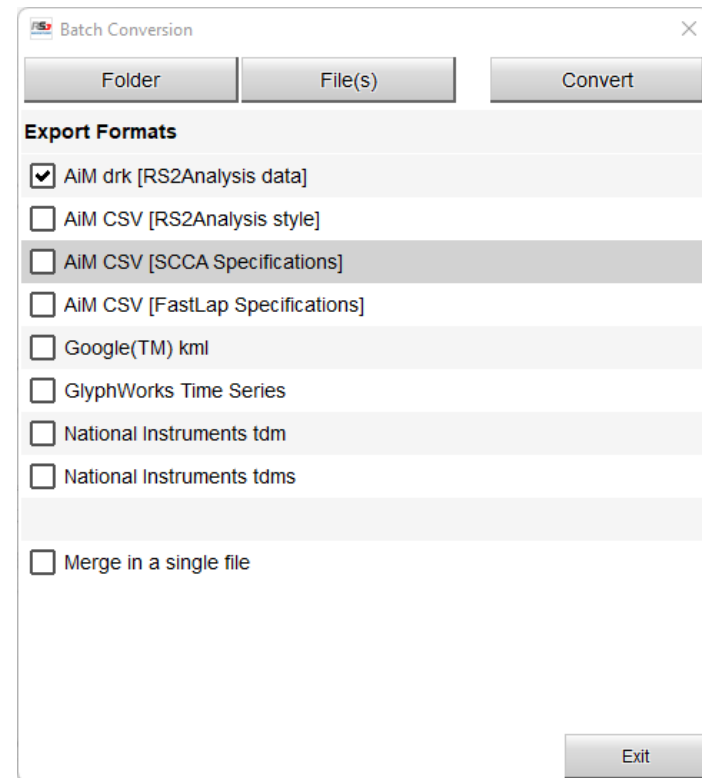
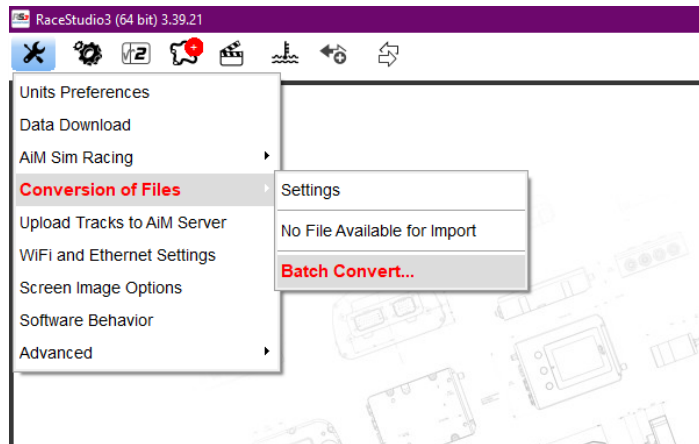


Converting/Importing Racing Sim Data



In case you want to proceed manually with RS2A:

- Open the Batch Convert window
- Select the drk format
- Click *File(s)* to choose the telemetry file
- Click *Convert*

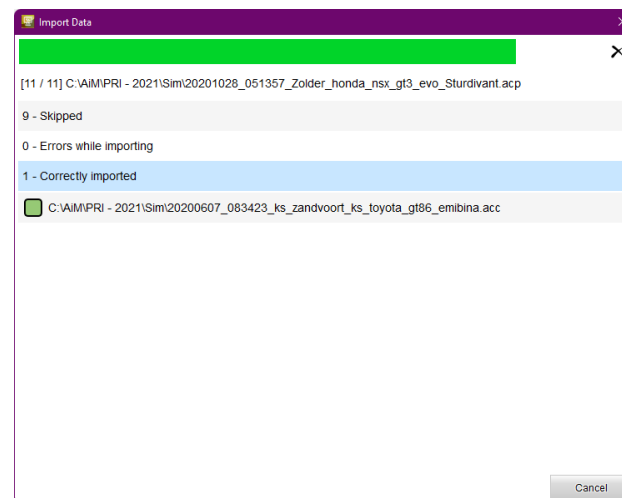
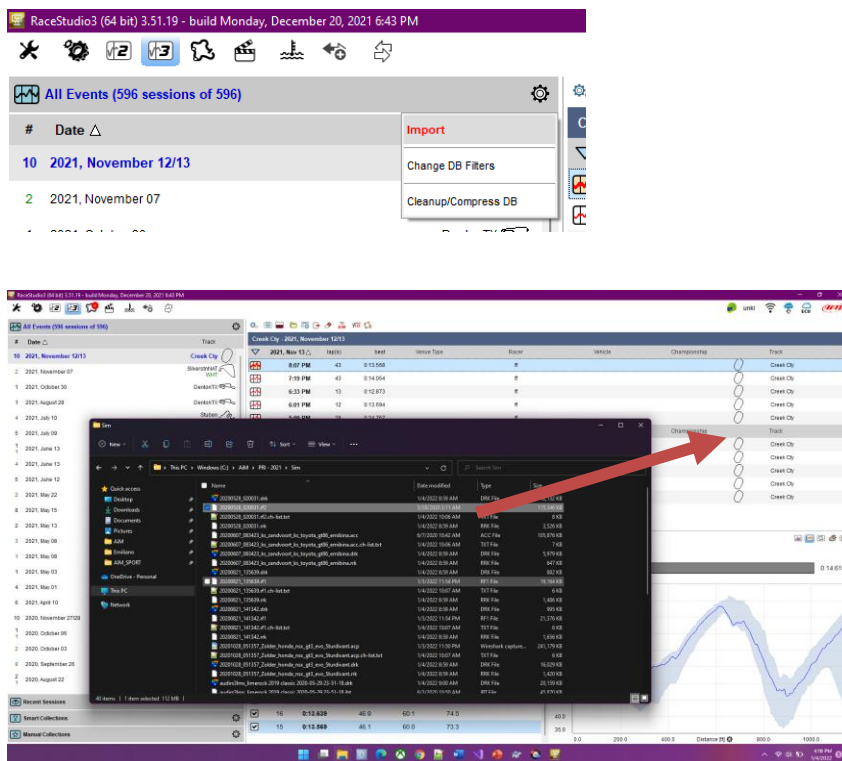


Converting/Importing Racing Sim Data



In case you want to proceed manually with RS3A:

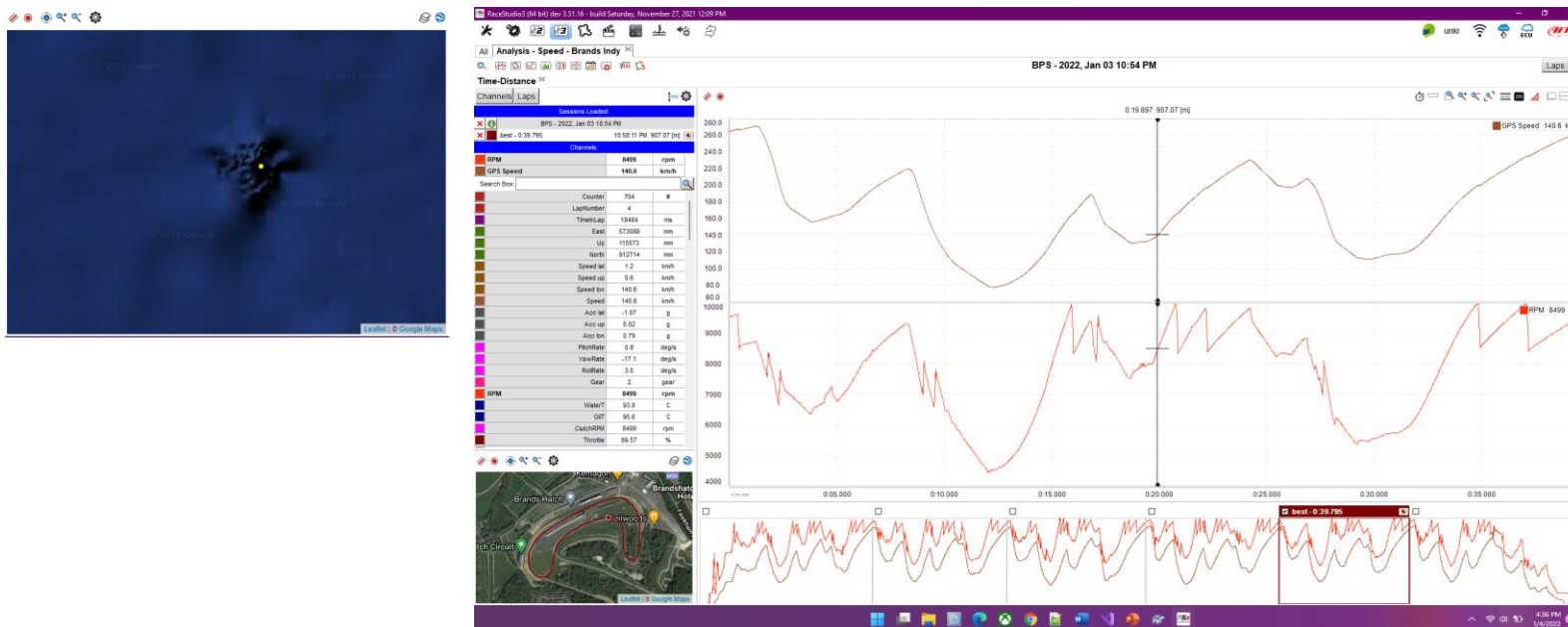
- Go to RS3A window in RS3
 - Either Use the Import command
 - Or just Drag and Drop from Windows Explorer™ to the DB list



GPS Data

iRacing telemetry files feature GPS data. Normally importing data in RS3 will allow web based mapping.

Other simulation platforms save coordinates of a world of their own. Normally importing data will generate 'zero' centered GPS coordinates, that means in the middle of the Atlantic Ocean. **Solution: register some laps and send us the file.**



Racing Sim Data in Race Studio 3

GPS Data

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AiM Support



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 - 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
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Formula Drift
Drifting Around and Using Data

Host:
Roger Caddell
AiM Sports - National Training Manager

Guest:
Kevin Wells
Formula Drift - Competition Director

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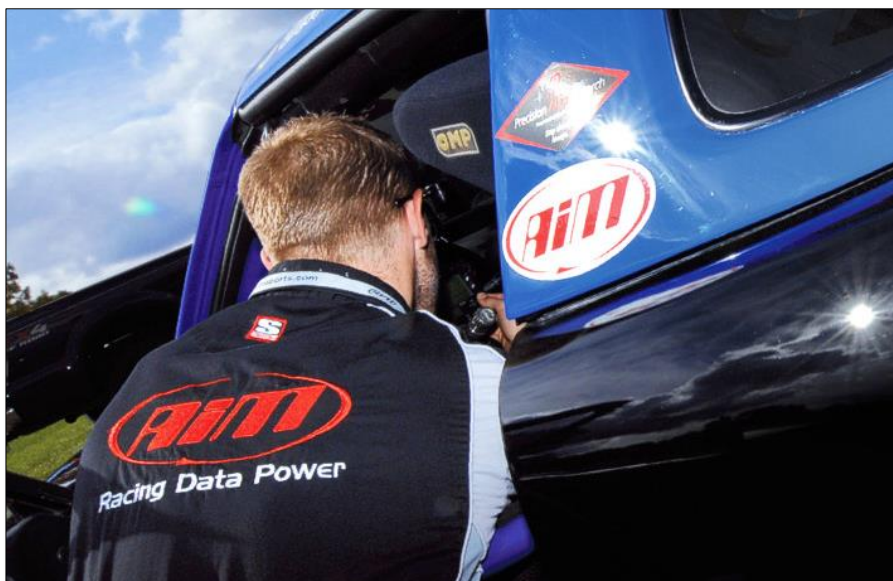
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Attend Races and Other Events

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



Customer Support

At An Event Near You!

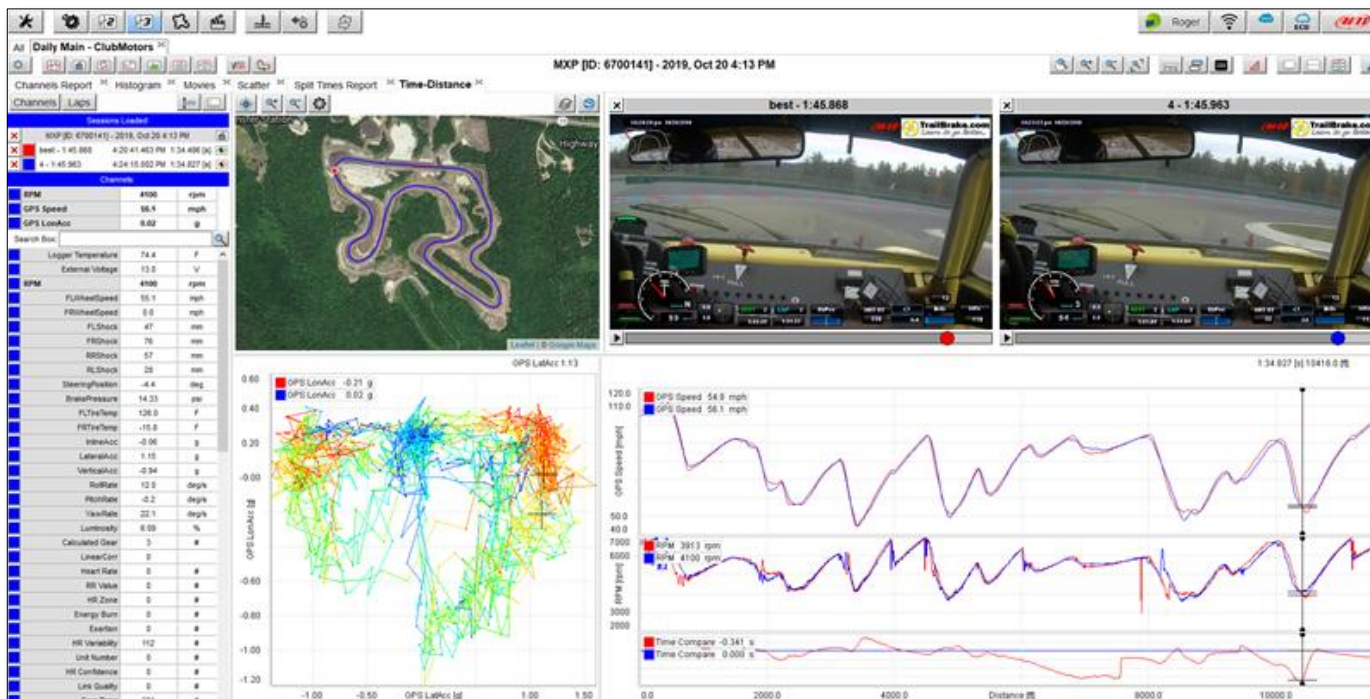
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Race Studio 3 Analysis (Beta)

Data Import and User Interface Update



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Co-Host:

Matt Romanowski

TrailBrake.net

Next Webinar: Tuesday Jan 11th, 2022 - 10:00am Pac/1:00pm East

Next Webinar

RS3A Data Import/User Interface Update

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Contact Information



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