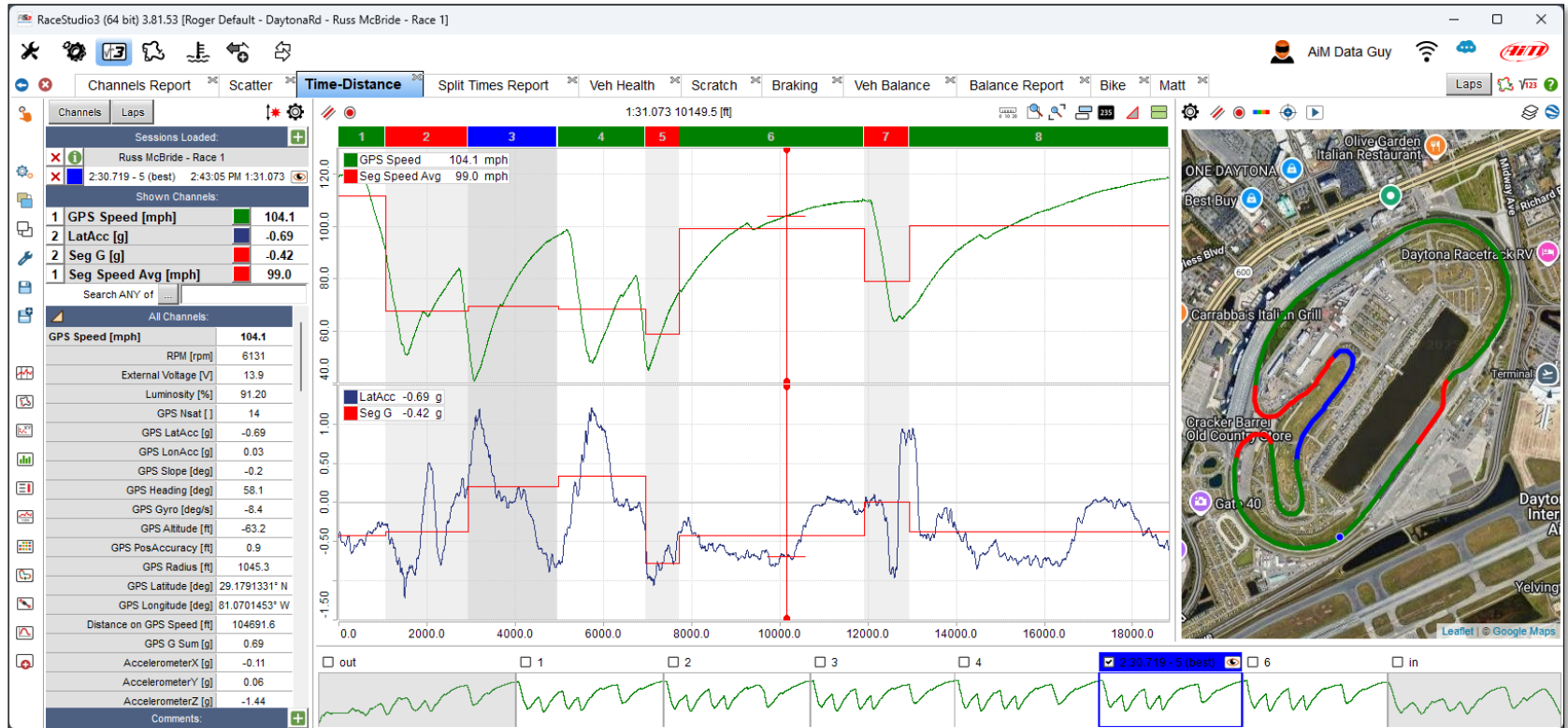


Segment Analysis

For Detailed Data Analysis



Host:
Roger Caddell

AIM Sports - National Training Manager

Co-Host:
Ray Phillips

Precision Driving Analytics - Owner



aimsports.com

Tuesday October 28th, 2025

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Ray Phillips

www.precisiondrivinganalytics.com
rphillips@drivinganalytics.com



- Owner of Precision Driving Analytics
- Involved in Motorsports for 32 Years
- Driver for almost 20 years
- Performance Engineer for SRO GT4 Team
- Driver Coach and Data Engineer as well
- 9 Time AiM Sports LearnFast Webinar Co-Host!



Ray Phillips

Precision Driving Analytics



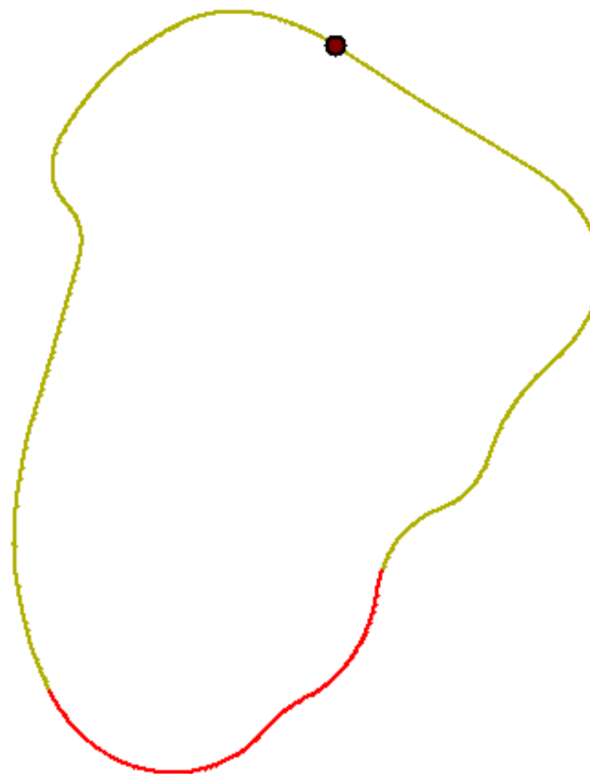
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Goals Of The Analysis

- Figure out why I was .1+ seconds faster through a segment of the Road Atlanta Short Course on iRacing when driving a FF1600.

Road Atlanta Short



Segment Analysis

Goals Of The Analysis

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Math Functions That Are Used



- **GT(Greater, than)** Outputs 1 if the channel value is greater than, a specific value, 0 otherwise. Also ">"
- **EQ(Equal, to)** Outputs 1 if the channel value matches a specific value, 0 otherwise. Also "=="
- **LT(Lower, than)** Outputs 1 if the channel value is lower than, a specific value, 0 otherwise. Also "<"
- **SEGMENT_INTEG(ChanOrVal)** Segment Integral, with its value resetting at each segment
- **SEGMENT_Max(ChanOrVal)** Segment Max, with its value resetting each segment
- **SEGMENT_MIN(ChanOrVal)** Segment Min, with its value resetting each segment
- **SEGMENTTIME()** Segment Time, uses the Integral function to total the amount of time in a segment
- **DERIV(ChanOrVal)** Derivative
- **LAP_EDGE_COUNTER(ConditionChannel, RisingOrFallingOrBoth)** Counts (and accumulates) the times you have an edge in a channel. The edge can be: Raising, Falling or Both

Segment Analysis

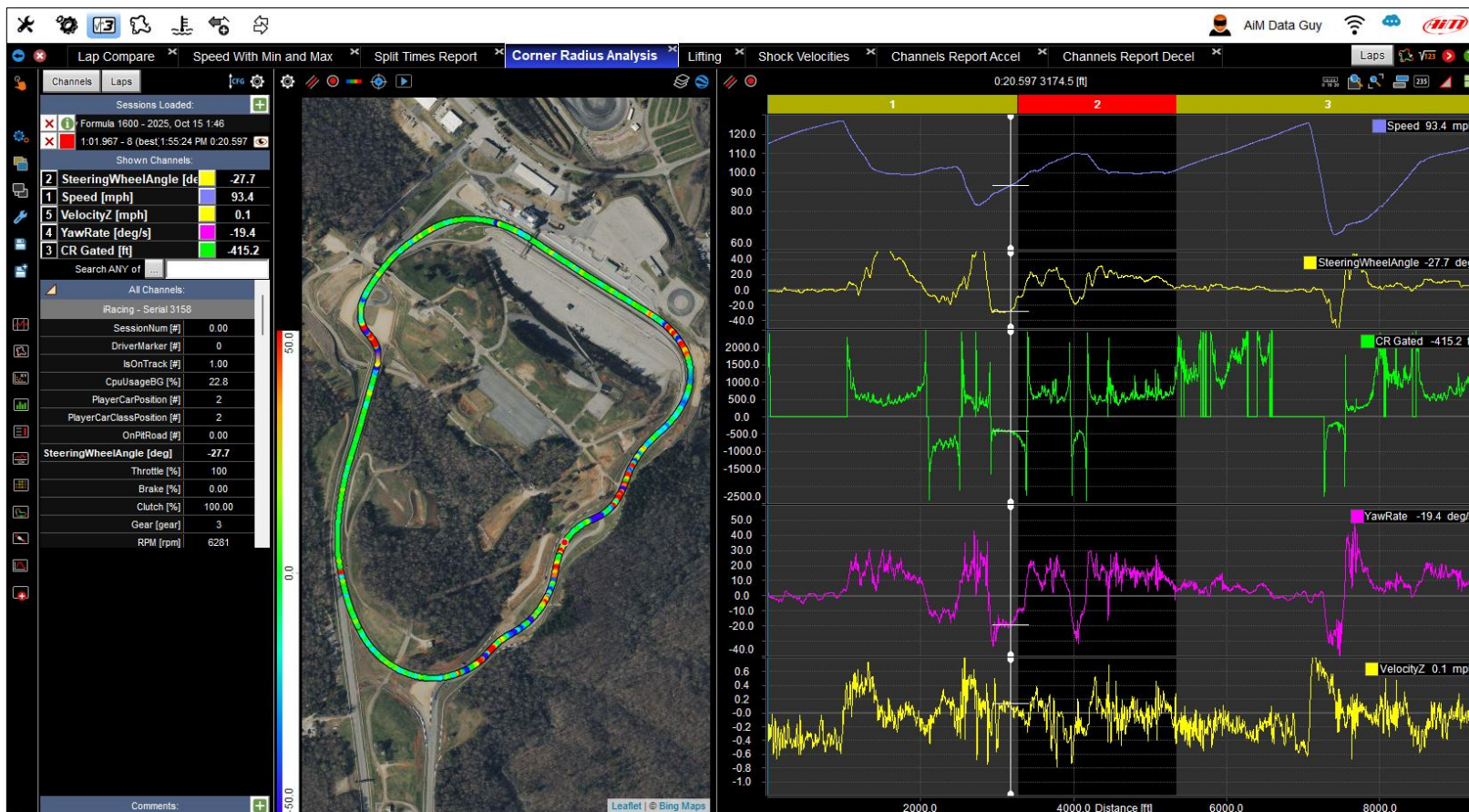
Math Channels That Are Used



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

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Live Race Studio 3 Demo



Segment Analysis

Live Race Studio 3 Demo

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LearnFast™ E-Training Videos



Currently **294** Videos and Growing

YouTube www.youtube.com/aimdata

#6-20
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If You Have Questions

Segment Analysis

For Detailed Data Analysis

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We Have Answers!

Analysis Example - Vehicle Health

Host:
Roger Caddell
AIM Sports - National Training Manager

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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

- All New 2020 - 25 Live Webinar Videos
- Software Updates with RaceStudio 3
- Pre-Calculated Gear Position Function
- Configuring WiFi Communication
- Customizing AiM Device Logos
- RaceStudio 3 Basic Configuration - Part 1
- RaceStudio 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*

Additional Materials

LearnFast™ E-Training Videos

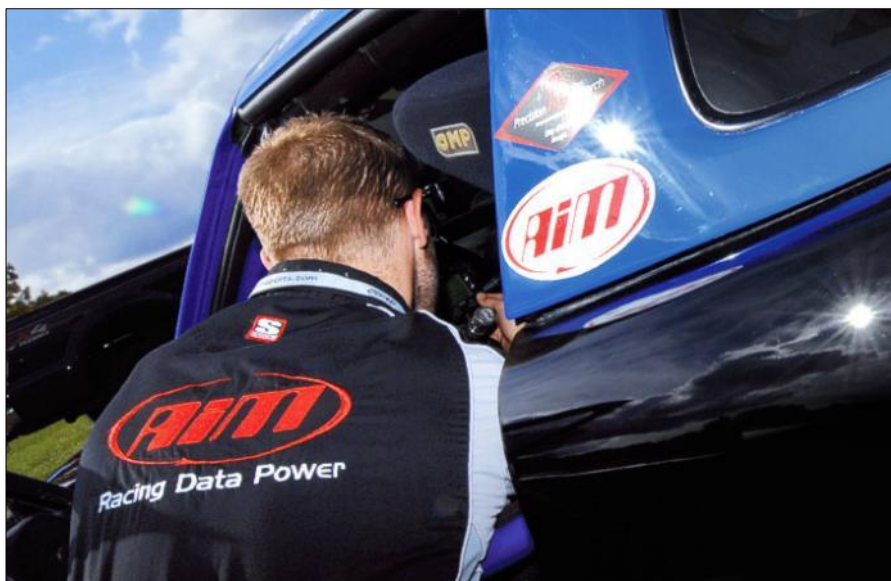
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Customer Support



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!

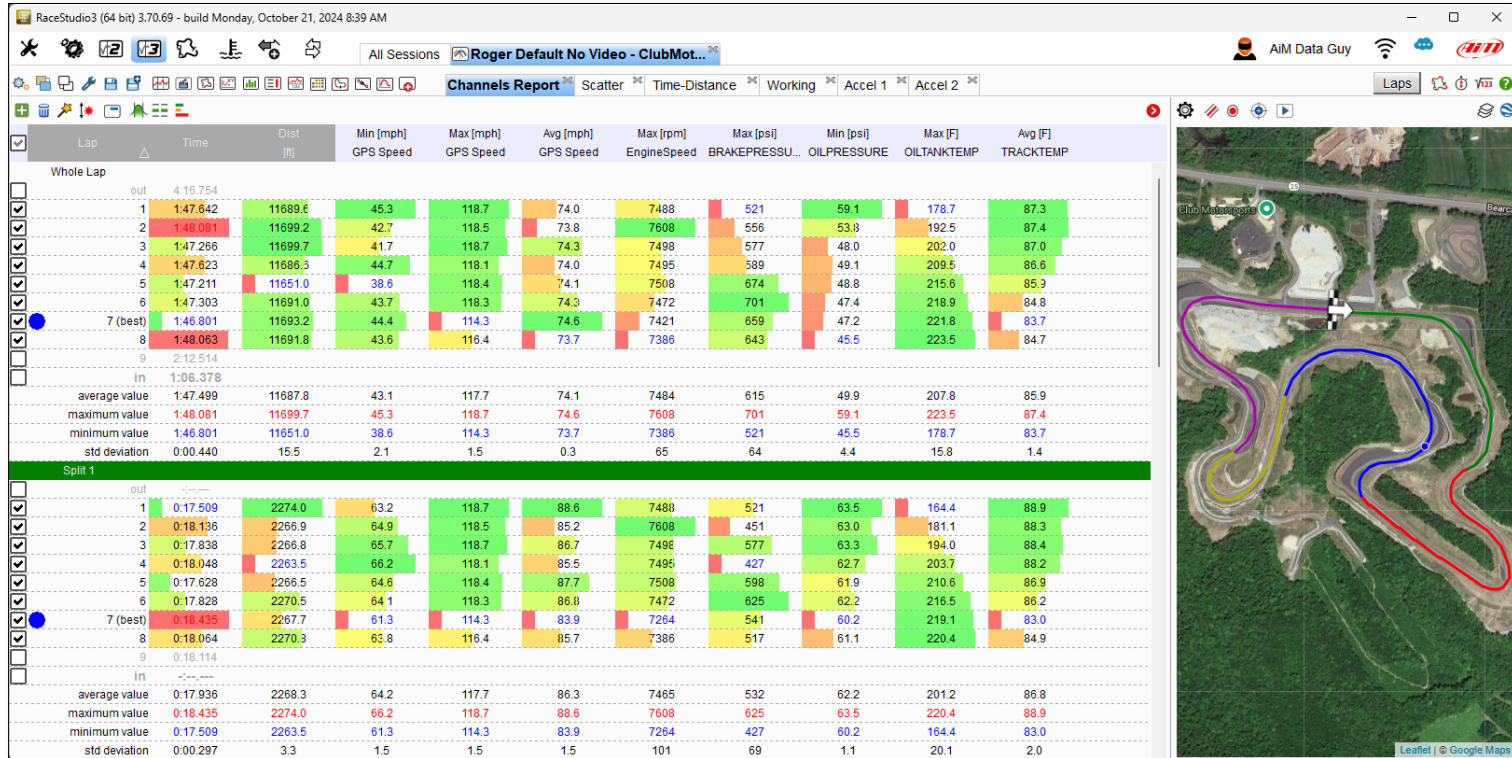
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Analysis Examples – Vehicle Perf

With Guest Matt Romanowski – TrailBrake.com



Next AiM Sports Webinar

Tuesday, November 11th, 2025 – 6pm Pac / 9pm East

Next Webinar

2nd & Last Tuesday of Each Month

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We Have Answers!

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