



Welcome!

We will be starting in just a few moments.
Until then, fine tune your audio and video settings



Webinar Series



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Welcome!

Starting in Just a Few Moments

LearnFast™

ABS Braking with Confidence

Analyze, Learn, Apply!



Host:
Roger Caddell
AiM Sports

Guest:
Jeff Wasilko
Mazda Miata Racer



aimsports.com

Tuesday July 29th, 2025

LearnFast™

Next AiM Sports Webinar

Tuesday, Aug 12th, 2025 – 6pm Pac / 9pm East



CJ Greaves

Legendary Off Road Racer



Next Webinar

2nd & Last Tuesday of Each Month

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Jeff Wasilko

jwasilko@gmail.com



- Data User Since 2006
- Time Trial, Sprint, Endurance & Sim Racer
- Leads COM Sports Car Club's Advanced Data Coaching Program
- 3 Time AiM Sports Webinar Co-Host!



Jeff Wasilko

Miata Racer and Data Advocate



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Evolution of a 1990 Miata

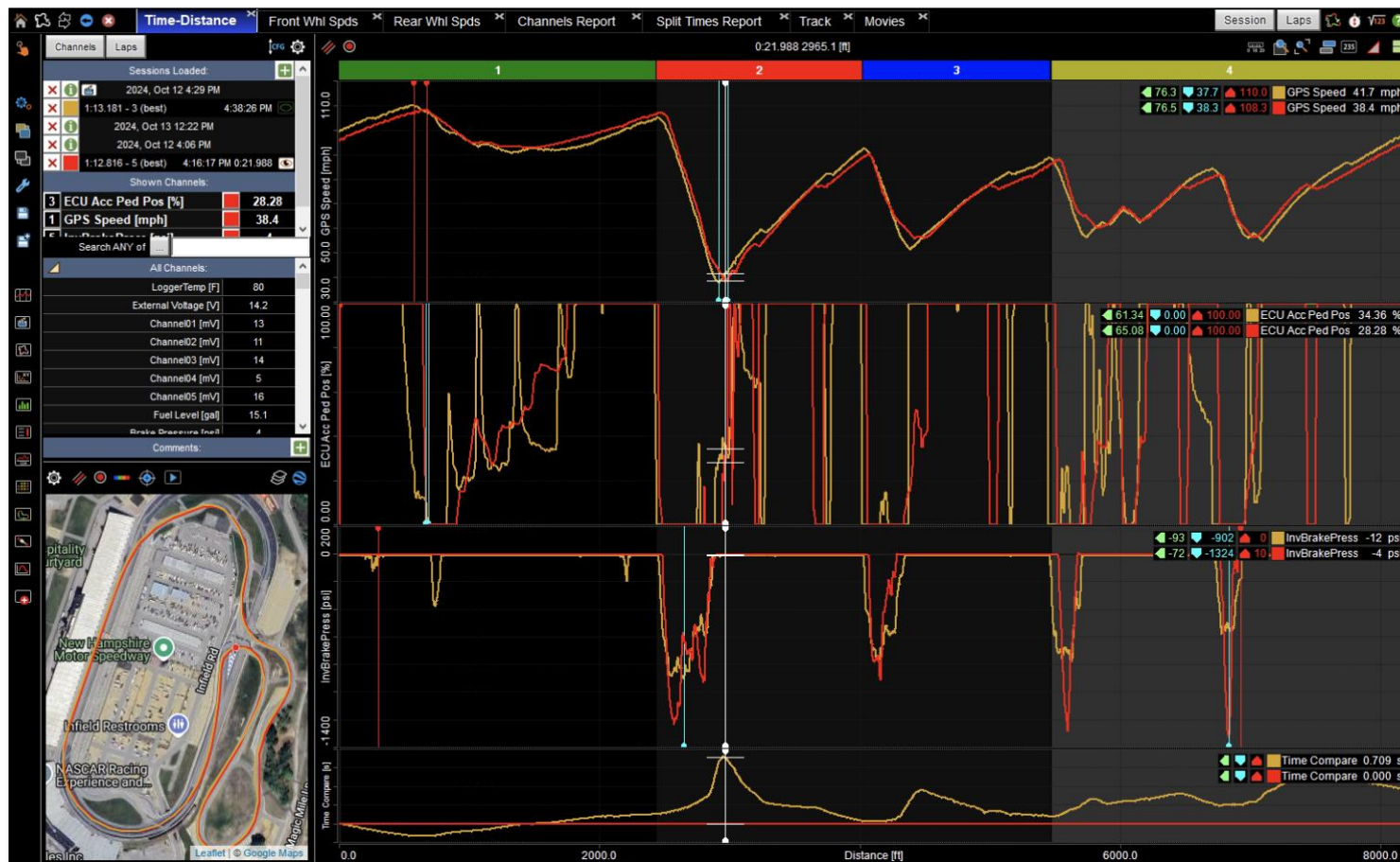


- Started life as an SCCA Improved Touring (ITA) Miata
- 2021 brought the 'Aero Wars' in [COM Sports Car Club](#) (thanks, [Nine Lives!](#))
- 2023 COM borrows [GridLife's](#) GLTC ruleset to create a new time trial class
 - Encouraging crossover builds between GridLife and COM
 - Time to update to the new class rules (12.5 lbs/HP)
 - Very common engine swap class
 - ABS commonly added to older cars
- 2024 Engine Swap Ecotec 2.4L (thanks, [EcotecMiata](#))
- 2025 BMW MK60 ABS Swap (thanks, [RHT Motorsport](#))
- And special thanks to Malcolm at [Series Motorsport](#), who did all the hard work

Making The Case for ABS



Data Sharing between competitors in our GLTC TT class showed ABS benefits (huge delta in braking zones)



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Making The Case for ABS

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1990 Chassis gets Modern

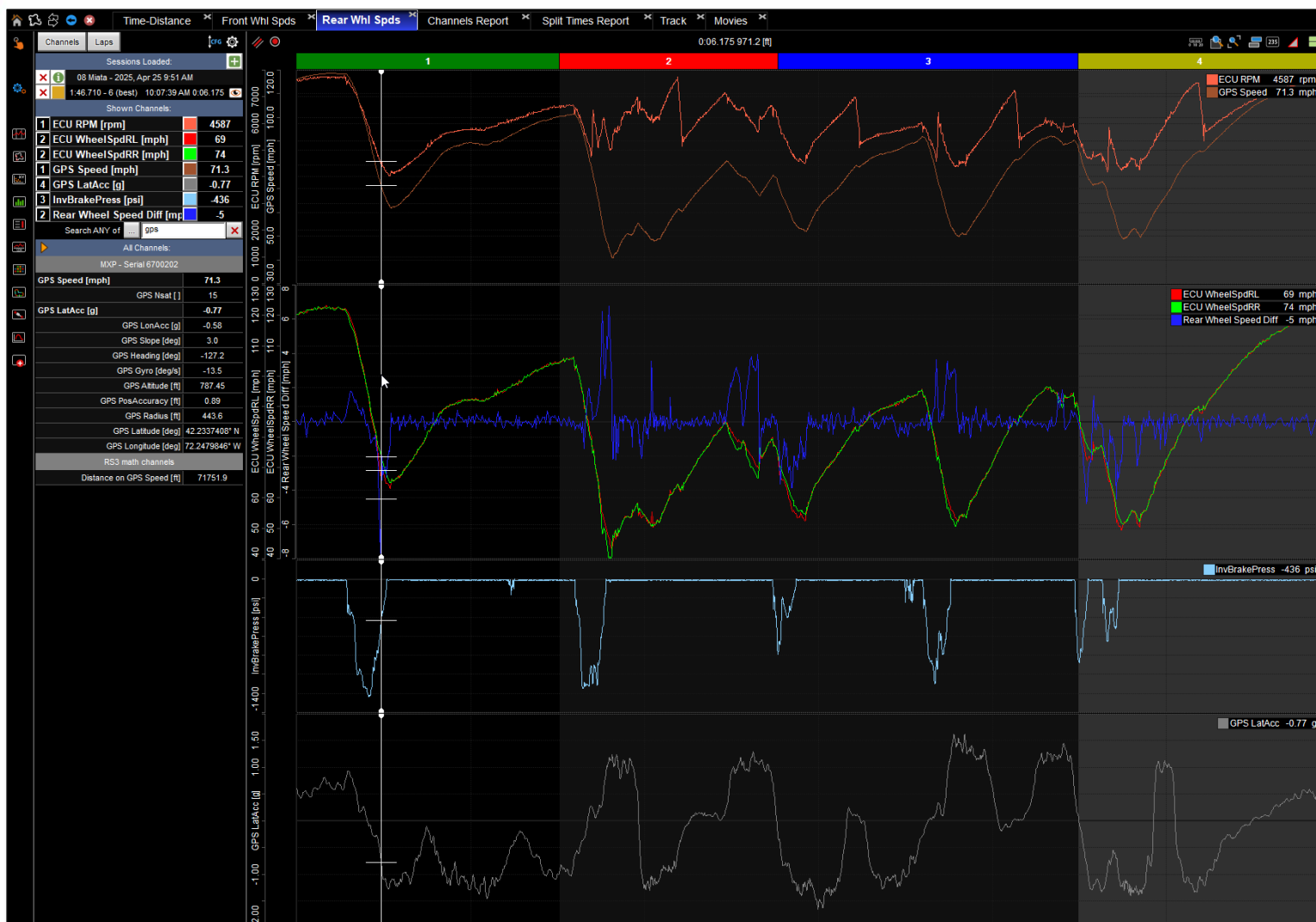
- MK60 ABS from BMW E46 can operate as standalone system:
 - Support & wiring harness [RHT Motorsport](#)
- No ABS in 1990 Miata, which led to it being an extensive project:
 - New axles for ABS tone rings
 - New front spindles & brake ducts for ABS sensor mounting
 - New brake line to rear axle
- Larger front calipers, rotors & pads to manage heat
- Front Wilwood brakes (plus rotors/brackets) came from [V8R Performance](#)



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1990 Chassis gets Modern

Car Performance



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Car Performance

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Re-Learning How to Brake

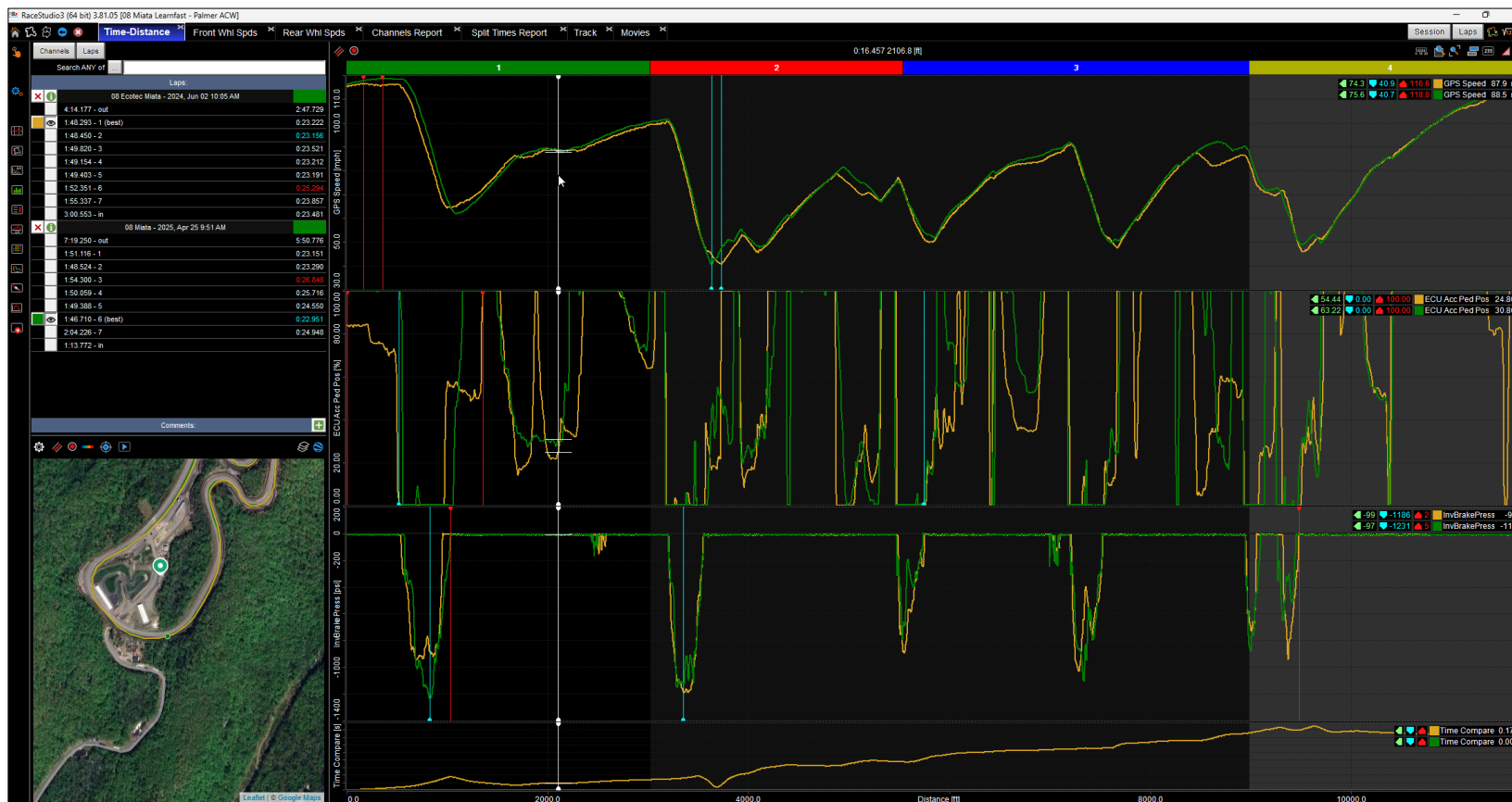


- Expectations vs. Reality (and worries)
 - After 20+ years of no ABS, how easily would I adapt?
- Expectations
 - Would I change to super late hard braking?
 - (but risk of over slowing, late back to throttle)
- Reality (Early Days)
 - Harder but shorter braking at about the same SOB point
 - Improved min speed some places, but over slowing in others
 - Improved lap times
- More recently
 - Moving the SOB later, braking even harder
 - The Car is more settled thru fast sweepers
- What can I fix/improve?
 - ???
- Surprising data point
 - ABS helps as much at the End of Braking Zone as initially

First Weekend (Palmer)



- Later braking at 'big' braking zones, but over-slowng (T1 & T4)
- Min-speed improved at corners with lighter braking (T7/T9/T11)



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First Weekend (Palmer)

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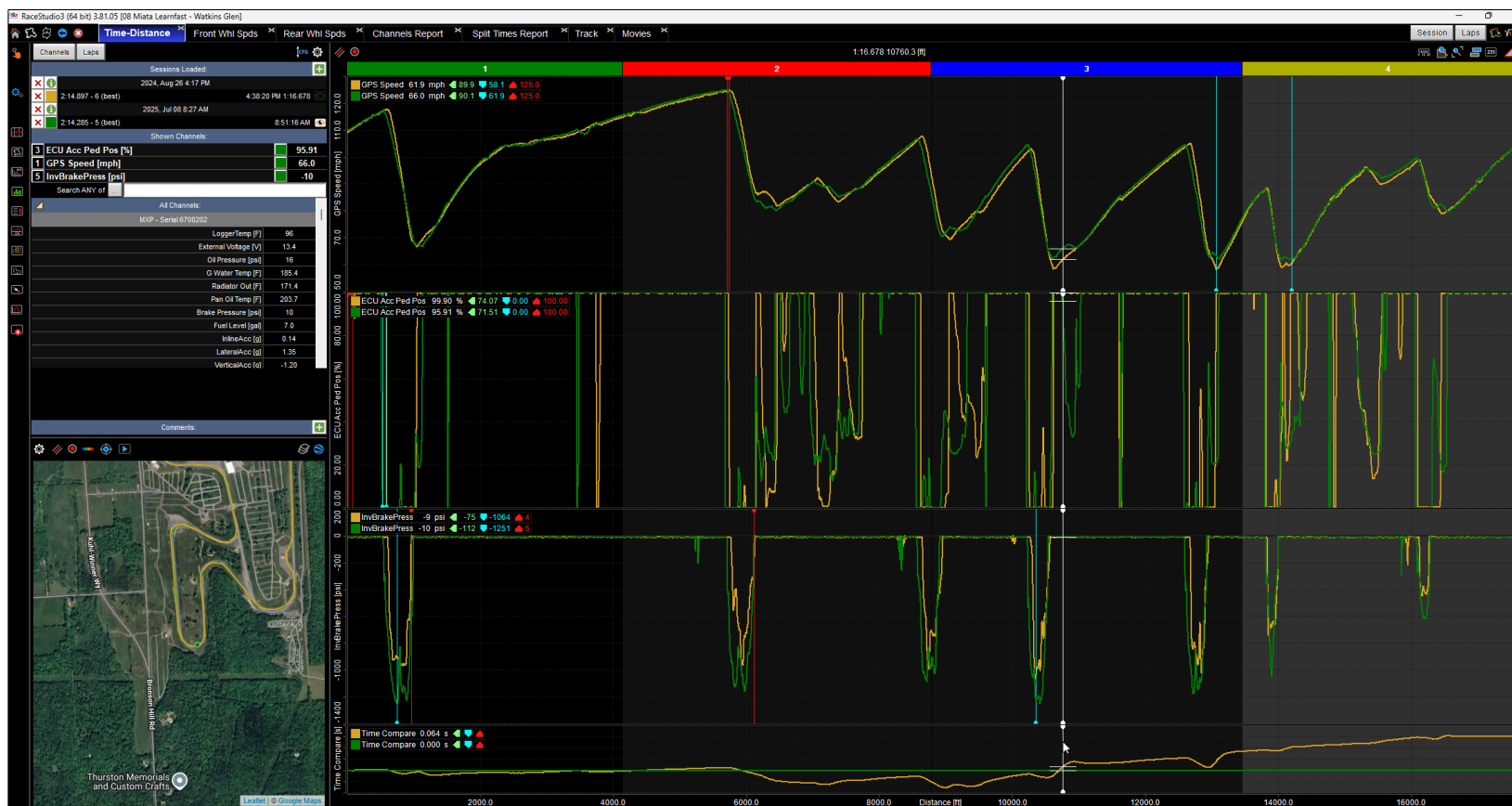


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Second Weekend (Watkins Glen)



- Better at big braking zones but still room to grow (T1 & Bus Stop)
- Continued improvement at at corners with lighter braking (T7-T9)



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Second Weekend (Watkins Glen)

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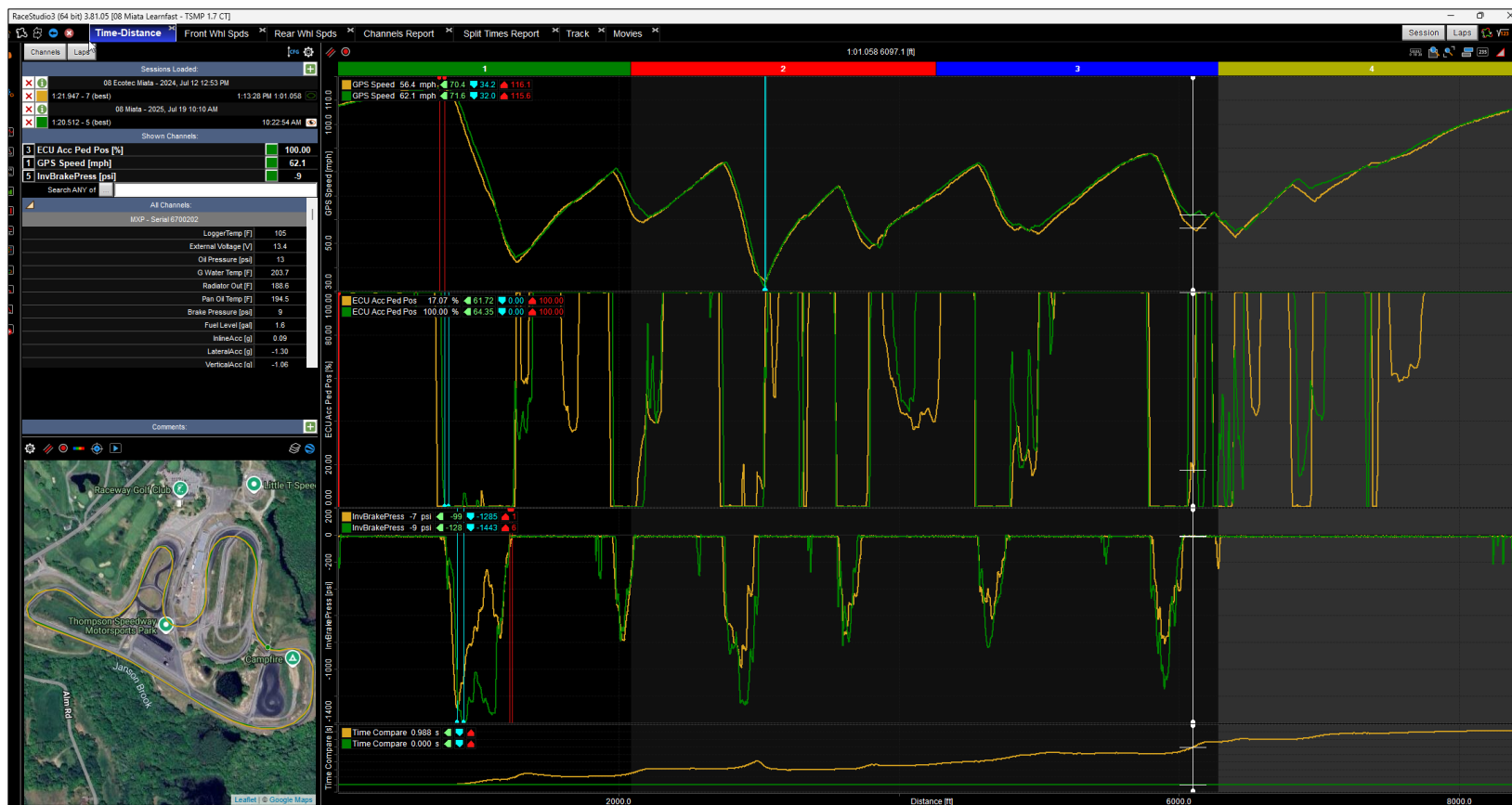


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Third Weekend (Thompson)



- Finally better performance at big braking zones (T1, but not ideal at T4)
- Huge improvement at at corners with lighter braking (T6/T9)



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Third Weekend (Thompson)

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Currently **286** Videos and Growing

YouTube www.youtube.com/aimdata

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If You Have Questions

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#202

Eric Prill
SCCA Vice President, Road Racing

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Roger Caddell
AIM Sports

Guest:
Eric Prill
SCCA

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March 31st, 2020

www.aimsports.com 1.800.715.9090

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 - 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
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 - Export Tests
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Additional Materials

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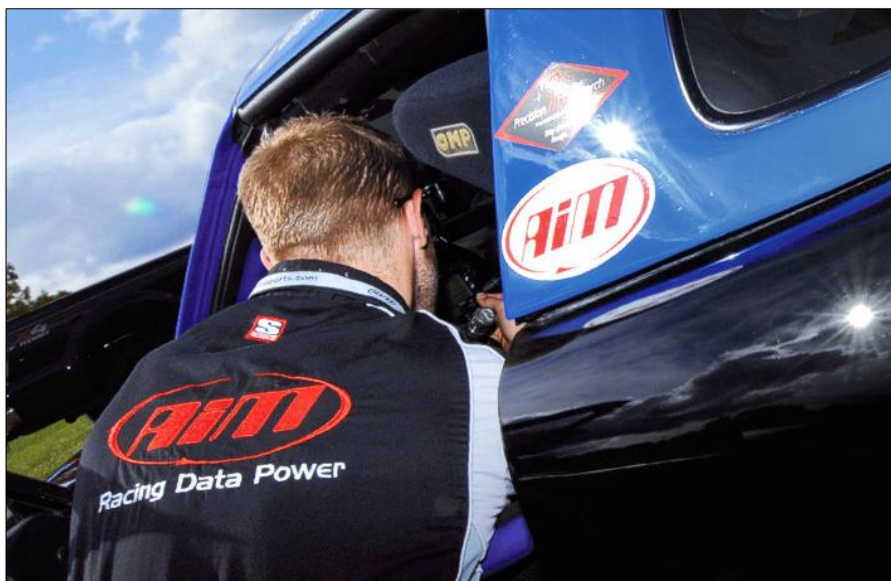
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Contact Information



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