

User Defined Reference Laps

You Asked For It, Now You Get It!



LearnFast MXP (USB)

Live Measures Download WiFi and Properties Settings Tracks **Predictive Reference Lap** Counters Logo Firmware

Files On PC, sorted by Track Name, then Date/Time

☒	Track Name	Date/Time	Δ Lap Time	File Name
☐	COTA	2022, Oct 09 10:07 PM	2:36.228	COTANew
☒	COTA	2022, Sep 30 9:31 PM	2:35.544	COTAMX5
☐	DaytonaRd FI	2022, Oct 24 1:23 AM	2:06.831	Daytona
☐	Dirt City MP	2022, Oct 24 1:17 AM	0:50.368	DirtCity
☐	KNAVarna V1	2022, Oct 24 1:23 AM	0:51.954	Varna
☐	LorisK	2022, Oct 24 1:22 AM	0:14.607	Loris
☐	LowCountryK	2022, Oct 24 1:21 AM	0:14.197	LowCount
☐	LRP	2022, Oct 24 1:24 AM	1:03.311	LimeRock
☐	Orlando K2	2022, Oct 24 1:20 AM	0:54.577	OrlndK2
☐	Road Americ	2022, Oct 24 1:18 AM	2:11.442	RoadAmer
☐	SouthGardaK	2022, Oct 24 1:25 AM	0:47.512	SGarda
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Host:

Roger Caddell

AiM Sports - National Training Manager

Co-Host:

Emiliano Bina

AiM-Sportline – Software Lead



aimsports.com

Tuesday October 25th, 2022

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Roger Caddell

AiM Sports - National Training Manager
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Roger Caddell

AiM Sports National Training Manager

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

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
- Many Time AiM Sports Webinar Co-Host!



Emiliano Bina

AiM-Sportline Software Developer

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Lap Timing

History



Many AiM Users Focus on Lap Based Data

Certainly not 100% with; Hill Climbs, Autocross, Rally, Drag, Desert, etc

Because of this, Race Studio Analysis is Generally 'Lap Based'

- 1st AiM Sports Lap Timer - 1995 Telechron
- Laptimes, RPM, Speed, Lateral g's, EGT, +2 Analog Channels
- Optional Transmitter for Realtime Data to Handheld Device



User Defined Reference Lap

Lap History - Telechron



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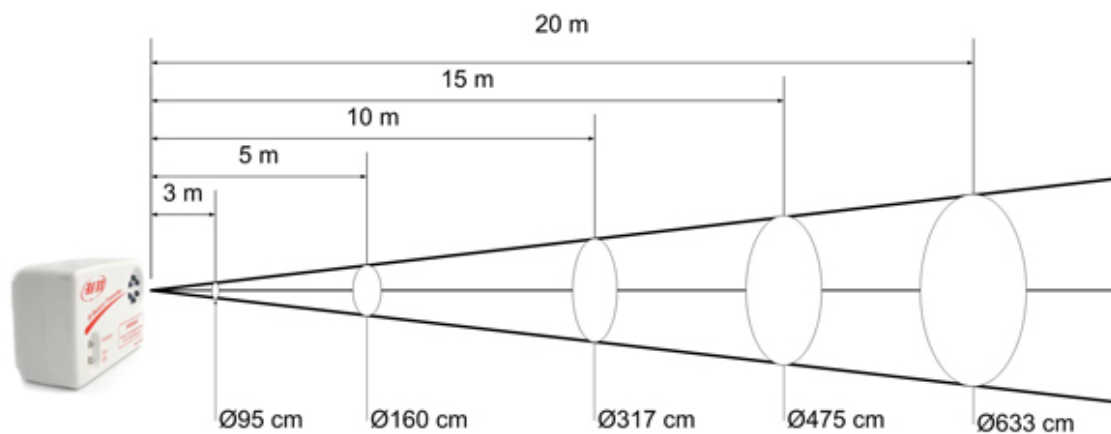
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Lap Timing

Different Lap Timing Methods

Lap Timing Types

- Optical
- Buried Magnetic Strip
- GPS



18° Cone

20m = 65ft

20ft Difference @ 65ft

Lap Timing



Lap Timing Segments

With Lap Timing now Available, Users Almost Instantly Wanted Segment Times
Optical Trackside Beacons and Split Time Beacons

With GPS Lap Timing, This is Even Easier - But Should We??

Predictive Lap Timing Removes the Need for 'Hard Splits'

Drivers Now Can Check Their Display and Get Lap Progress at Any Point



User Defined Reference Lap

Lap Timing Segments



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Predictive Lap Timing

Different Display Types

Predictive Lap Timing

- Predictive Time – Shows the Predicted Lap Time Result
- +/- Best Time – Shows the Time Gap of Current vs Reference Lap
- Rolling Time – Shows the Time Reset at the Start of Each Lap
- Rolling Session Time – Shows the Time of the Entire Session



User Defined Reference Lap

Predictive Lap Timing

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Reference Lap Options

Different Options



Reference Lap Options

- Best Lap of the Test
- Best Lap of Today
- Previous Lap
- User Reference Lap



Predictive Time

Channel Recording

Reference Lap



Off

User Reference Lap

Best Lap of Test

Best Lap of Today

Previous Lap

User Reference Lap

Live Race Studio Demonstration



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User Defined Reference Lap

Live Race Studio Demonstration

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LearnFast™ E-Training Videos



Currently **217** Videos and Growing

YouTube www.youtube.com/aimdata

User Defined Reference Laps
You Asked For It, Now You Get It!

LearnFast MXP (USB)

Live Measures | Download | WiFi and Properties | Settings | Tracks | Predictive Reference Lap | Counters | Logo | Firmware

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COTA	2022, Sep 30 9:31 PM	2:35.544	COTAMXS	☒	LRP	2022, Oct 24 1:24 AM	1:53.311	Innerrock	
DaytonaR1 F1	2022, Oct 24 1:22 AM	2:06.831	Daytona	☐	Road Amer	2022, Oct 24 1:19 AM	2:11.462	RoadAmer	
Dir City MP	2022, Oct 24 1:17 AM	0:50.368	DirCity	☐	Vir Full	2022, Oct 10 5:54 AM	2:05.133	VirFull	
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Host:
Roger Caddell
AIM Sports - National Training Manager

Co-Host:
Emiliano Bina
AIM-Sportline - Software Lead

aimsports.com Tuesday October 25th, 2022 LearnFast™

- All New 2020 - 22 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*

AiM Sports Hardware
System Layout and Expansion

Host: Roger Caddell
AIM Sports - National Training Manager

Co-Host: Matt Romanowski
AIM Sports - National Training Manager

aimsports.com Tuesday September 27th, 2022 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

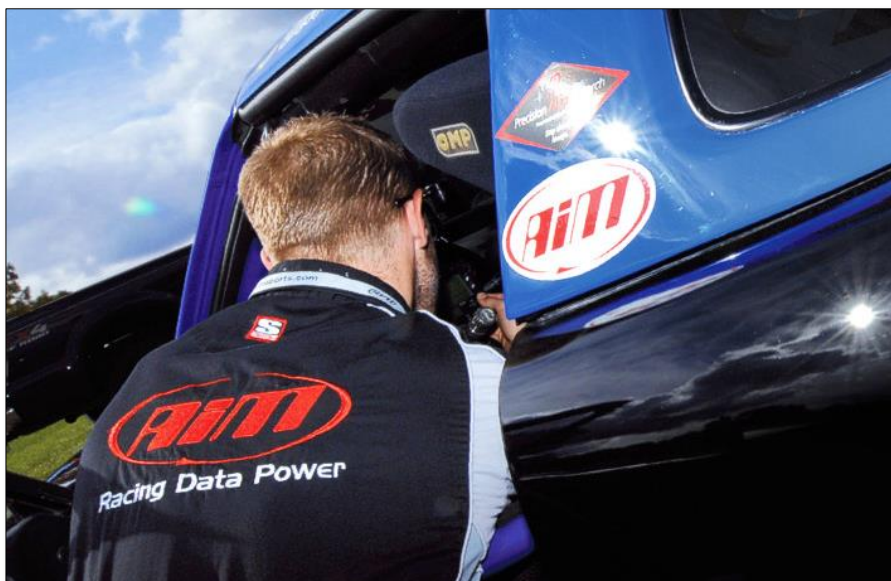
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Customer Support



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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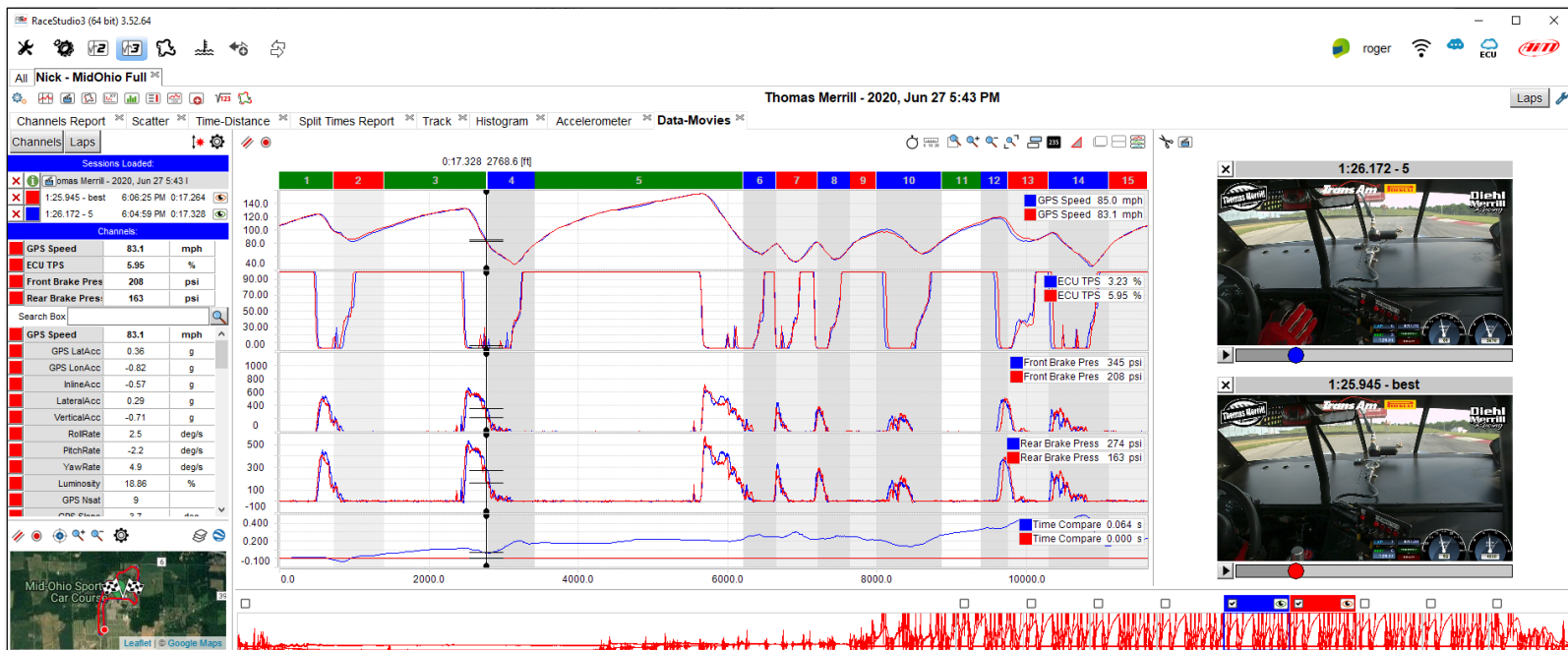


[aimsports.com](https://www.aimsports.com)

#3-30
LearnFast™
If You Have Questions

Next AiM Sports Webinar

Nov 29th, 2022 – Last Tuesday of Each Month



Host:
Roger Caddell

AiM Sports - National Training Manager

Co-Host:
TBD
TBD

Next Webinar: Tuesday November 29th, 2022 - 10:00am Pac/1:00pm East

Next Webinar

Last Tuesday of Each Month

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We Have Answers!
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#153

Contact Information



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Tuesday October 25th, 2022

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