OPCUG

Users helping users
for over 40 years

Stewart Bruce

Alan German & ~~Chris~~ Taylor
Ottawa PC Users' Group

March 4, 2026

iTunes and Zoom

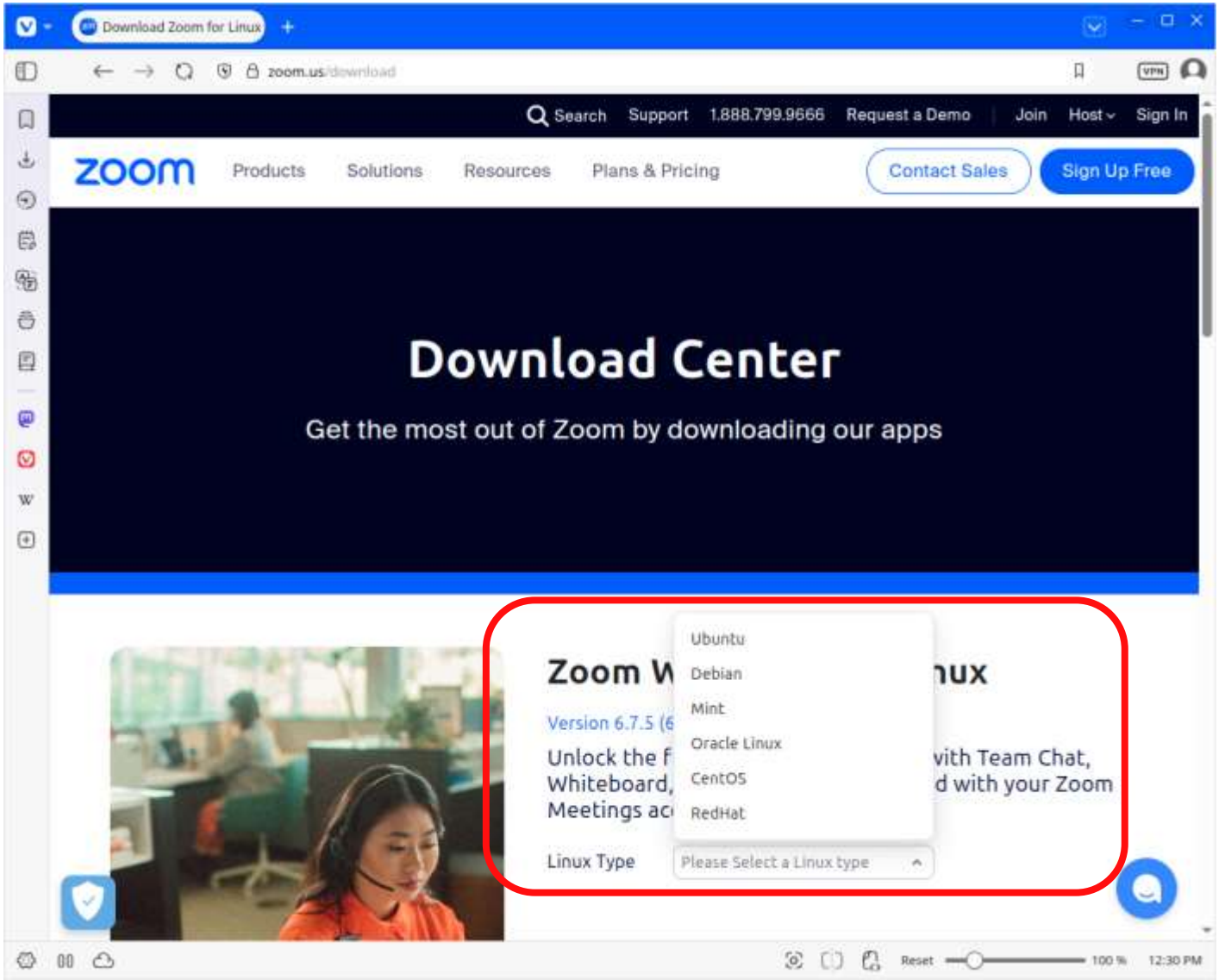
- Can you transition iTunes music and playlists to a new Windows 11 computer?
- As an alternative, would iTunes and Zoom be supported if an old Windows 10 computer is running under Linux?

iTunes

- I use iTunes with Windows 11
- To bring my "library" over to a new computer, I copied the iTunes folder found in the Music folder to a hard drive and then copied it onto the new computer
- I can't remember all the details of exactly what I needed to do
- I think when you open iTunes you might have to point it to the specific library you want to use.

Allison Bryndza

Zoom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Reset
100 %
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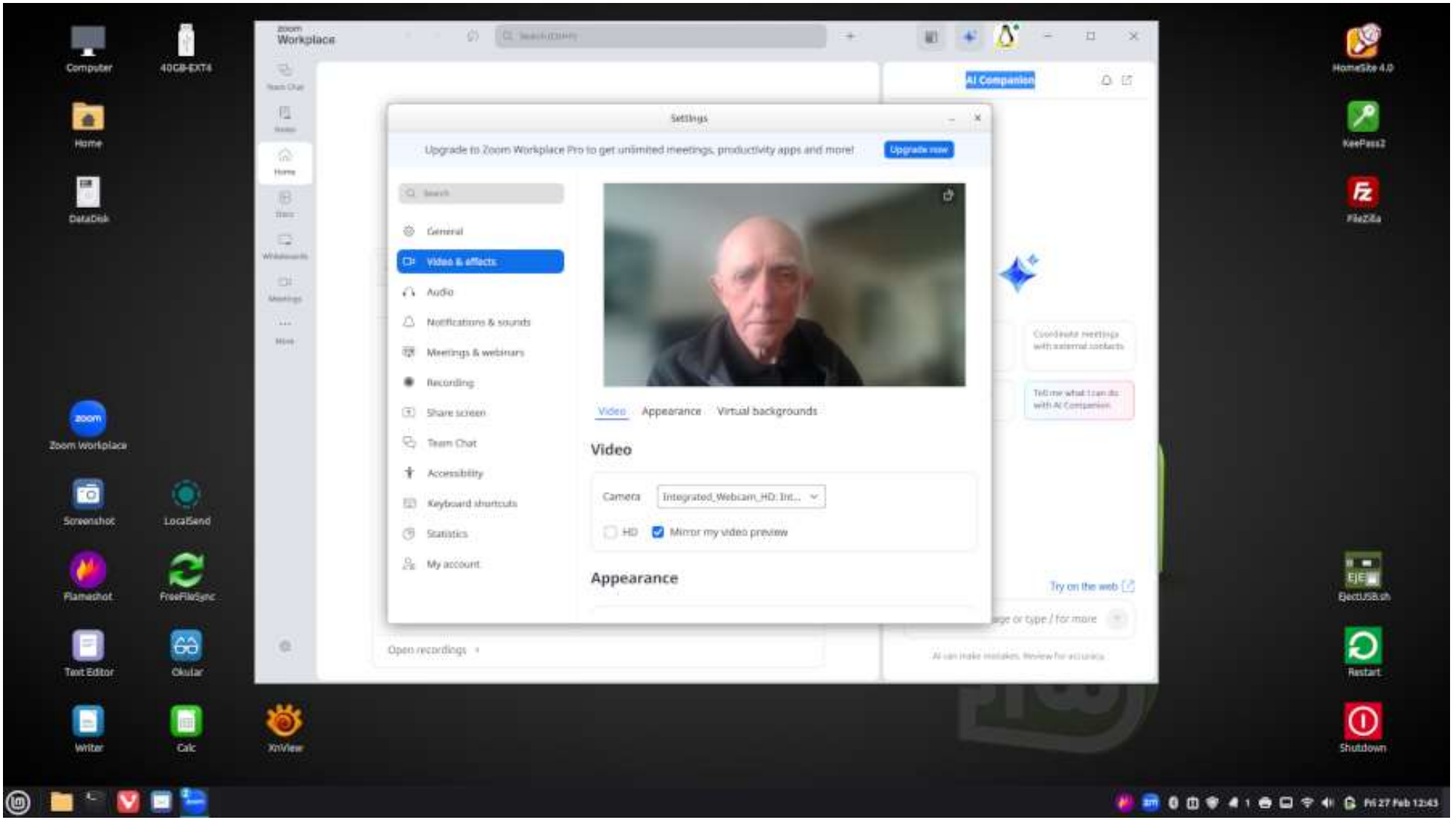
Computer
40GB-EXT4
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DataDisk
Zoom Workplace
Screenshot
LocalSend
Flameshot
FreeFileSync
Text Editor
Okular
Writer
Calc
XnView
HomeSite 4.0
KeePass2
FileZilla
EjectUSB.sh
Restart
Shutdown
Workplace
AI Companion
Settings
Upgrade to Zoom Workplace Pro to get unlimited meetings, productivity apps and more!
Upgrade now
General
Video & effects
Audio
Notifications & sounds
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Recording
Share screen
Team Chat
Accessibility
Keyboard shortcuts
Statistics
My account
Video
Appearance
Virtual backgrounds
Video
Camera
Integrated_Webcam_HD: Int...
HD
Mirror my video preview
Appearance
Try on the web
Open recordings
Fri 27 Feb 12:43

Translation Software

- Further along in my adventures in translation software I came across this web page which let me translate English into various Native American languages

  https://translatormind.com/translator-tool/english-to-native-american-language-translator/

- It seems to be a one way trip though as I have not found a way to translate Native American into English
- Anyway, aside from needing to know the name of the language you are translating, it is pretty simple
- This page however, is simply a subpage of the website Translator Mind and it can get pretty weird

Stewart Bruce

- Would you like to communicate in 1500's English? No problem.

  https://translatormind.com/translator-tool/1500s-english-translator/
- Then if you are feeling a bit whimsical, you could try the Dr Seuss translator

  https://translatormind.com/translator-tool/dr-seuss-translator/
- The point of these examples is to show the website's emphasis not only on hard language skills but entertainment as well
- There are so many translations here that, if I found one useful (such as the First Nations translator), I would suggest bookmarking that page rather than try and find it again on the website

Loonie Links

kini mobile

- I just heard of kini, a Telus sub-brand, which seems to cater to new immigrants to Canada but will happily subscribe anyone
- Their basic plan is a $25 for 25 GB with more expensive tiers if desired and an interesting loyalty program
- This adds data over time so you could wind up with a $25 for 75 GB plan after a couple of years
- Not a bad deal at all

https://www.kinimobile.com/ca/en/plans?type=G002#PA00081

Stewart Bruce

Password Managers

What is a good password manager that will work with a PC running Windows 11 and an iPhone running iOS 26?

AI tools for scanning

Are there any AI tools that I can use, along with a scanner, to extract elements from a photo or document and save these to files?

Cookie Control Pop-Ups

- TD bank's website has instituted what is an irritating manage-my-cookies pop up
- I have unchecked, checked all, and still it pops up again with every page change
- Does unchecking do anything similar pop-ups on any website?
- I appreciate the choice, but wish it wasn't every time.
- How can I manage such pop-ups on a one-time basis?

Must Have
Computer Analysis Tools

- ☑ CPUID CPU-Z
- ☑ Open Hardware Monitor
- ☑ PassMark RaMMon
- ☑ TechPowerUp GPU-Z
- ☑ Speccy

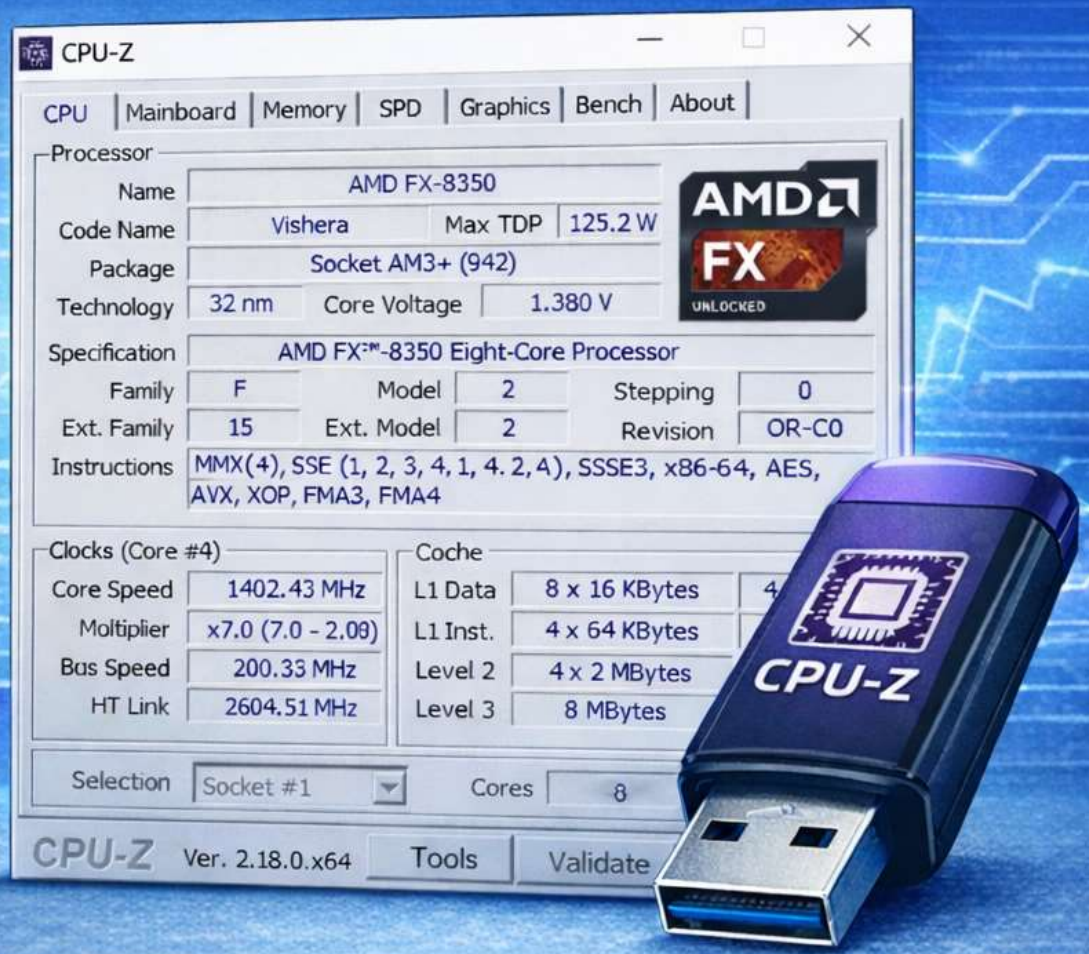
Jeff Dubois

CPUID CPU-Z

Provides information on:

- ☑ CPU
- ☑ Mainboard
- ☑ Memory
- ☑ Graphics Adapter
- ☑ Benchmark Information.

https://www.cpuid.com/softwares/cpu-z.html



Open Hardware Monitor

Provides information on:

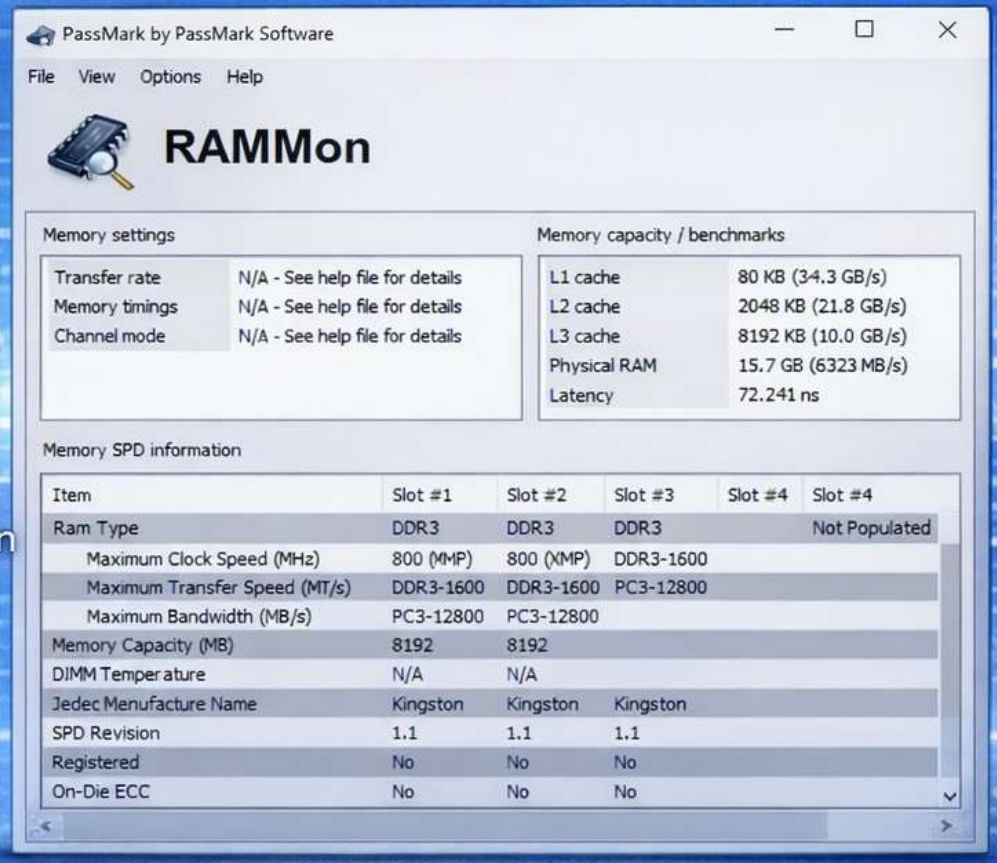
- CPU and GPU temperature
- Fan speeds
- Voltages
- Load and clock speeds

https://openhardwaremonitor.org

PassMark RAMMon

Provides detailed information about RAM: identifies manufacturer, capacity, speed, timings, and Serial Presence Detect (SPD) data.

https://www.passmark.com/products/rammon



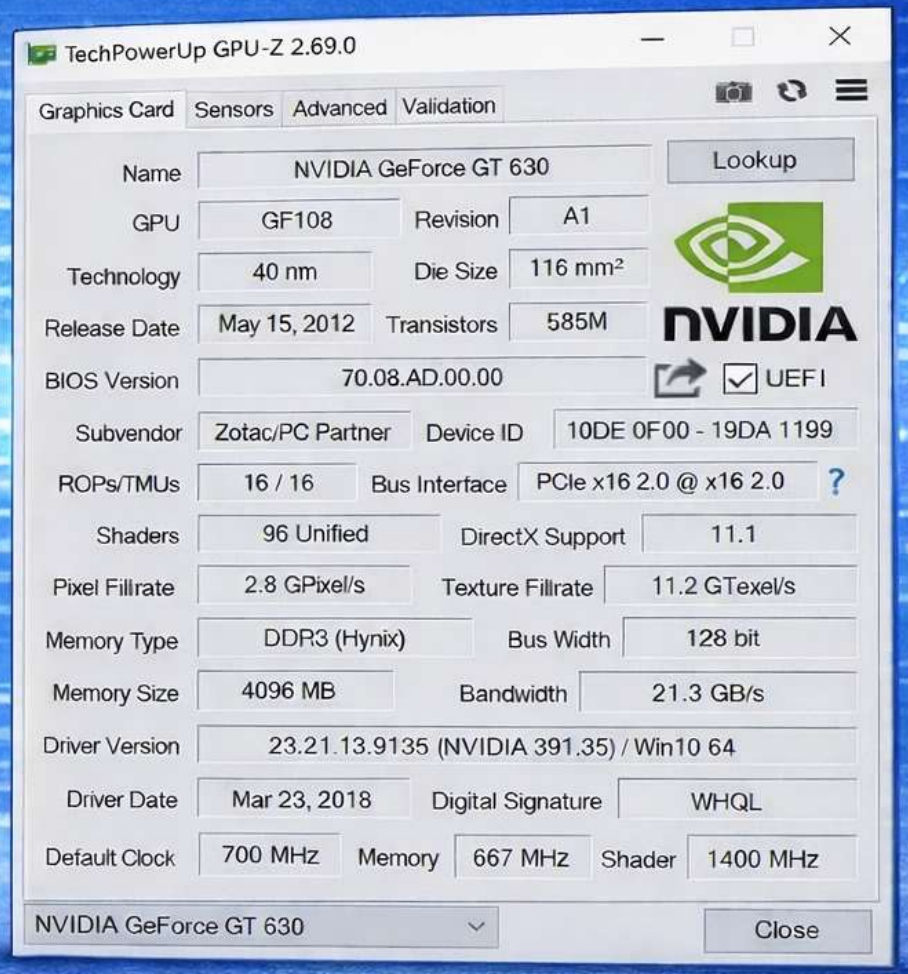
Item	Slot #1	Slot #2	Slot #3	Slot #4	Slot #4
Ram Type	DDR3	DDR3	DDR3		Not Populated
Maximum Clock Speed (MHz)	800 (MMP)	800 (XMP)	DDR3-1600		
Maximum Transfer Speed (MT/s)	DDR3-1600	DDR3-1600	PC3-12800		
Maximum Bandwidth (MB/s)	PC3-12800	PC3-12800			
Memory Capacity (MB)	8192	8192			
DIMM Temperature	N/A	N/A			
Jedec Menufacture Name	Kingston	Kingston	Kingston		
SPD Revision	1.1	1.1	1.1		
Registered	No	No	No		
On-Die ECC	No	No	No		

TechPowerUp GPU-Z

Provides detailed real-time information
on NVIDIA, AMD, ATI and Intel GPUs
Including:

- GPU name & BIOS version
- Memory size & Clock speeds
- Temperature & Fan speed
- Driver versions

https://www.techpowerup.com/download/techpowerup-gpu-z

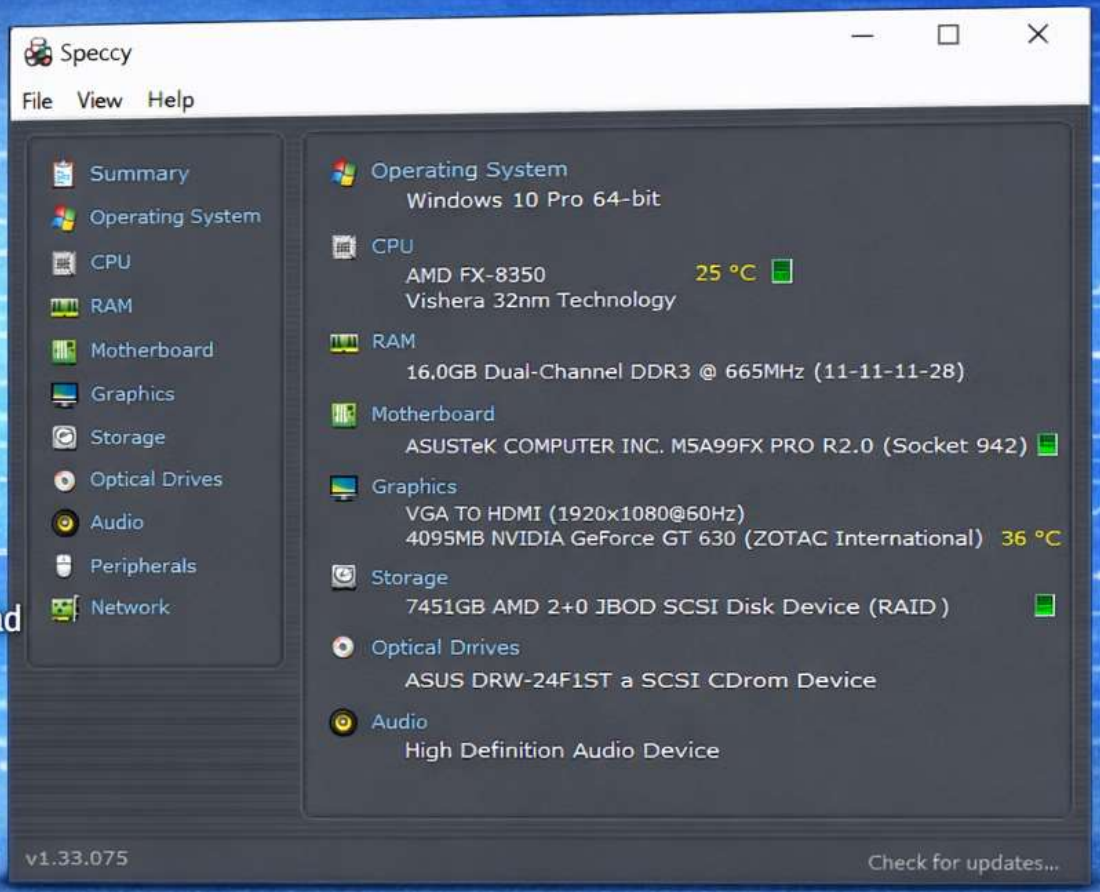


Speccy

Provide detailed information on:

- OS & Motherboard
- CPU, GPU, RAM & Audio
- Storage & Optical Devices
- Peripherals & Network

https://www.ccleaner.com/speccy/download



Computer Analysis Tools - Links

- CPID CPU-Z:

  https://www.cpuid.com/softwares/cpu-z.html
- Open Harware Monitor:

  https://openhardwaremonitor.org/
- PassMark RaMMon:

  https://www.passmark.com/products/rammon/
- TechPowerUp GPU-Z:

  https://www.techpowerup.com/download/techpowerup-gpu-z/
- Speccy:

  https://www.ccleaner.com/speccy/download

Computer Analysis Tools - Links

- Curated list of computing resources on my personal website:

jeffdubois.ca : A technological repository of information, tools & resources.

Computer Resources

What You Will Find Here:

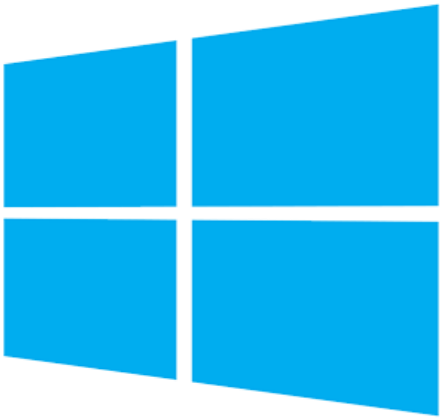
This page offers a broad collection of computer-related software, tools, and reading material designed to help users explore and improve their digital experience. It brings together a variety of reliable resources that make everyday computing easier, safer, and more efficient while providing information for both newcomers and seasoned users.

Content is arranged into several main sections, including accessibility tools, analysis programs, backup and recovery utilities, connectivity and networking tools, desktop enhancements, file management resources, and office suites. You'll also find categories for internet and email tools, privacy and security software, operating systems, and other useful programs that don't fit elsewhere.

https://jeffdubois.ca/computing.html

Windows 10 and 11

- Is a switch from Windows 10 to Windows 11 absolutely necessary?



No (at least for now)

Windows Update

You're up to date
Last checked: Today, 4:44 PM

Check for updates

View optional updates

Get the latest updates as soon as they're available
Be among the first to get the latest non-security updates, fixes, and improvements as they roll out. Learn more

Off

Pause updates for 7 days
Visit Advanced options to change the pause period

Change active hours
Currently 7:00 AM to 11:00 PM

View update history
See updates installed on your device

Advanced options
Additional update controls and settings

Your PC is enrolled to get Extended Security Updates.

Learn more about Extended Security Updates

Your PC doesn't currently meet the minimum system requirements to run Windows 11

Windows 11 system requirements

Learn about options to trade-in or recycle your PC

Looking for info on the latest updates?

Learn more

Related links

Check Storage

But, for how long?

- The Extended Security Updates (ESU) program for Windows 10 provides customers with a more secure option to continue using their Windows 10 PCs after 14 October, 2025, **while they transition to Windows 11**.
- You can enroll in ESU any time until the program **ends on October 13, 2026**.

Microsoft

https://www.microsoft.com/en-us/windows/extended-security-updates

Who's spying on YOU?

All about counterspy
O&O Shutup10
fixing Microsoft
settings

See: 20260304_Shutup10.pdf

Tom Trottier

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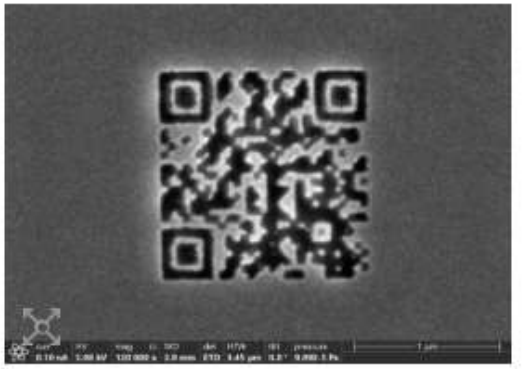
DEVICES AND STRUCTURES | BLOG

World's smallest QR code paves the way for ultralong-life data storage

20 Feb 2026 Tami Freeman



Invisible code The world's smallest QR code can only be read out using an electron microscope. (Courtesy: TU Wien)

A team headed up at TU Wien in Austria has set the Guinness World Record for creating the world's smallest QR code.

Working with industry partner Cerabyte, the researchers produced a stable and repeatedly readable QR code with an area of just 1.977 μm2.

https://physicsworld.com/a/worlds-smallest-qr-code-paves-the-way-for-ultralong-life-data-storage/

- When read out – using an electron microscope, as its structure is too fine to be seen with a standard optical microscope – the QR code links to a scientific webpage at TU Wien.
- Mayrhofer points out that the storage capacity of the ceramic data storage technology far surpasses that of a single QR code and says "Based on current estimates, a cartridge of **100 x 100 x 20 mm** with ceramic storage medium could potentially store on the order of **290 terabytes of raw data.**"
- Information stored in ceramic materials could endure for centuries, or even millennia.

Share

Big Brother is Watching You!

Available online at www.evu-online.org EVU2025_XX

33rd Annual Congress of the European Association for Accident Research and Analysis (EVU)

Non-CDR Data Sources

D. Patrick Ryan, P.Eng.*

Graham Ryan Consulting Ltd. #34, 11410 – 27 Street SE Calgary AB T2Z3R6 CANADA

Black Boxes or Silver Bullets?
Event Data Recorders in Passenger Vehicles

Alan German
Transport Canada

Roads, Routes and Responsibilities
Regina, August 27-29, 2001

These are Black Boxes

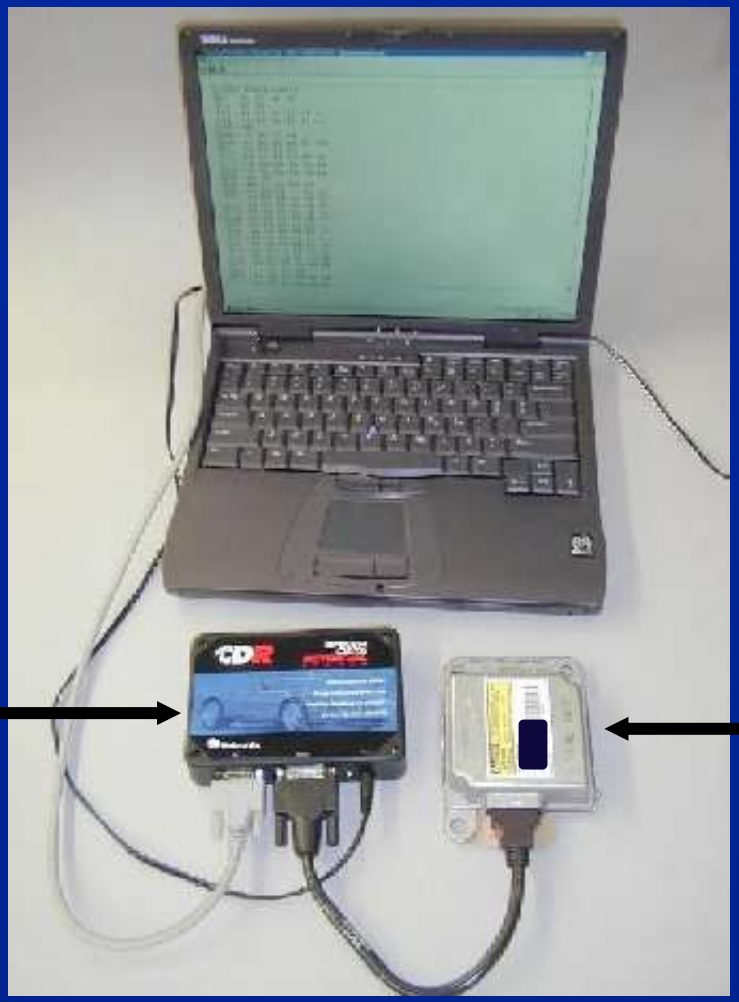
These are not Black Boxes

SDM-G

SDM-CL2

SDM-R

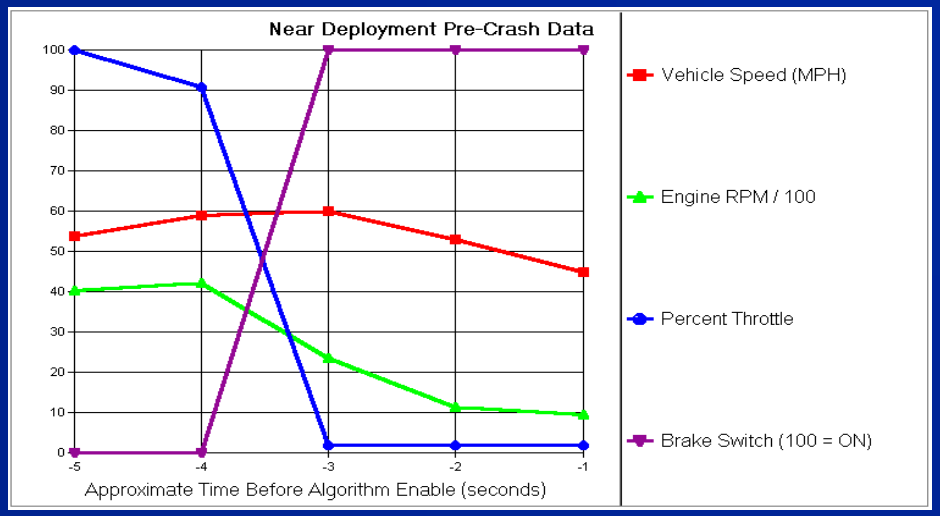
Crash Data Retrieval System



CDR (Crash Data Retrieval System)

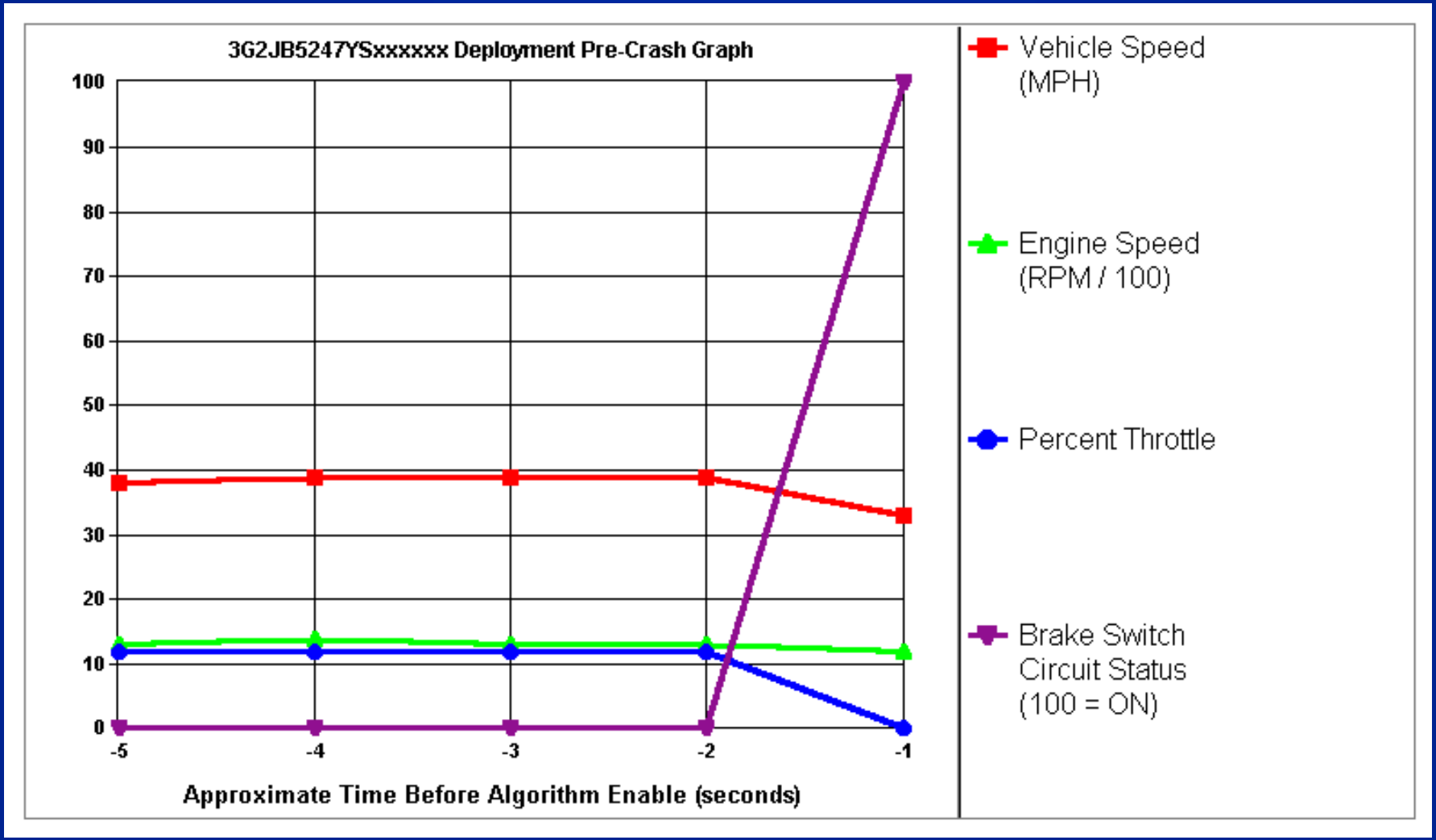
SDM (Sensing and Diagnostic Module)

Pre-Crash Data



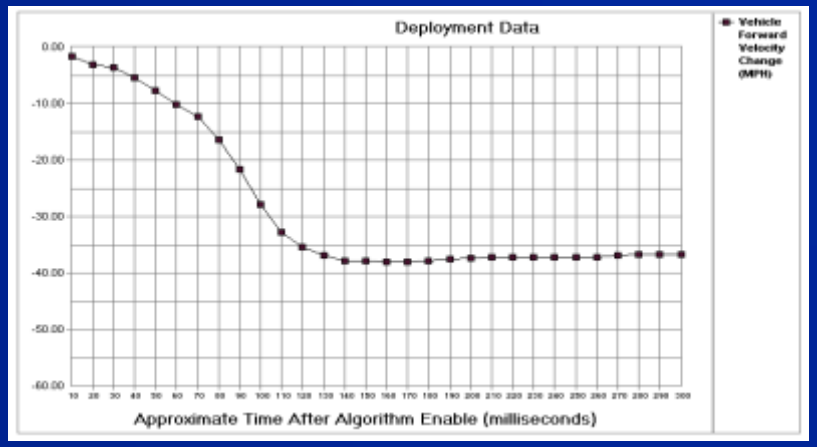
- Vehicle speed (mph)
- Engine RPM
- Throttle position (0-100%)
- Brake switch (on/off)
- 5 “spot” readouts at one second intervals

Pre-Crash Data for Deployment



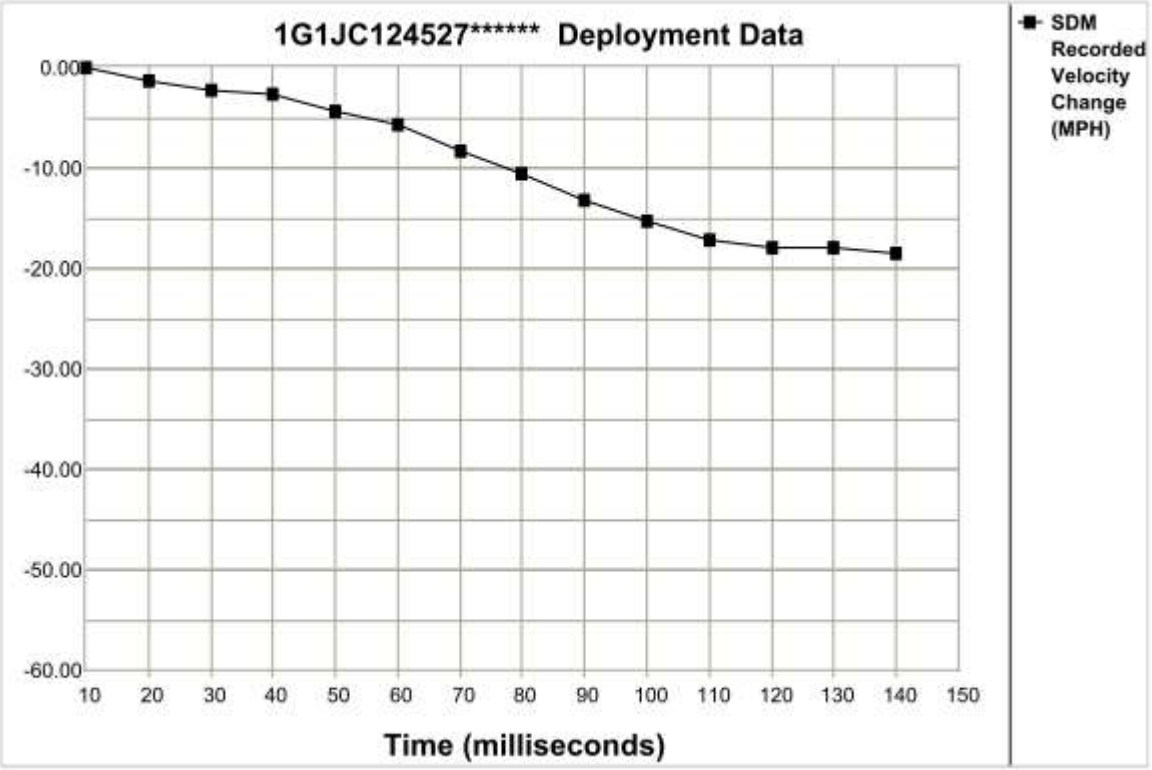
ACR5-1606

Change in Velocity



- Longitudinal velocity
- Cumulative delta-V
- Recorded every 10 ms
- 80-300 ms time frame*

** Varies with SDM type*



System Status At Deployment

SIR Warning Lamp Status	OFF
Driver's Belt Switch Circuit Status	UNBUCKLED
Passenger SIR Suppression Switch Circuit Status (if equipped)	Air Bag Not Suppressed
Ignition Cycles At Deployment	15171
Ignition Cycles At Investigation	15172
Maximum SDM Recorded Velocity Change (MPH)	-18.45
Algorithm Enable to Maximum SDM Recorded Velocity Change (msec)	135
Time Between Non-Deployment And Deployment Events (sec)	0.8
Time From Algorithm Enable to Deployment Command Criteria Met (msec)	37.5

Case Study No. 2 - Sudden Acceleration Complaint

A 2016 Audi A6 was stopped in traffic. The driver reported that he took his foot off the brake and the vehicle "bolted forward" such that the front of his vehicle struck the rear of the vehicle ahead. The pre-crash data captured by the Audi's EDR included records of activation of both the brake and accelerator pedals every half second for five seconds prior to impact.

Pre-Crash Data -5 to 0 sec (Record 1, Most Recent)

Time (sec)	Speed, Vehicle Indicated (MPH [km/h])	Accelerator Pedal (%)	Service Brake Activation
-5.0	0 [0]	0	On
-4.5	0 [0]	0	On
-4.0	0 [0]	6	On
-3.5	0 [0]	0	On
-3.0	0 [0]	0	On
-2.5	0 [0]	0	On
-2.0	0 [0]	0	On
-1.5	0 [0]	52	Off
-1.0	5 [8]	71	Off
-0.5	14 [22]	99	Off
0.0	12 [20]	0	Off

Figure 10 Brake and accelerator pedal application for the 2016 Audi A6
(Brake pedal = Red; Accelerator pedal = Green)

The EDR data shown in Figure 10 clearly demonstrate that, after releasing the brake, the driver initially pressed down on the accelerator pedal. The accelerator was 99% engaged at t=-0.5 s and the vehicle's speed had increased from 0 to 22 km/h. The data also show that pressure on the accelerator was completely removed (Accelerator Pedal = 0) at t=0.0 s.

	Brake						Accelerator					
Case No.	-5	-4	-3	-2	-1	0	-5	-4	-3	-2	-1	0
6	Off	Off	Off	Off	Off	Off	High	High	High	High	High	High
19	Off	Off	Off	Off	Off	Off	High	High	High	High	High	High
12	Off	Off	Off	Off	Off	Off	High	High	High	High	High	High
15	Off	Off	Off	Off	Off	Off	High	High	High	High	High	High
11	Off	Off	Off	Off	Off	Off	Medium	High	High	High	High	High
10	Off	Off	Off	Off	Off	Off	Medium	High	High	High	High	High
13	Off	Off	Off	Off	Off	Off	High	High	High	Low	High	High
16	Off	Off	Off	Off	Off	Off	Off	Low	High	High	High	High
2	Off	Off	Off	Off	Off	Off	Off	Off	Low	High	High	Medium
3	Off	Off	Off	Off	Off	Off	Off	Off	Off	High	Medium	High
7	Off	Off	Off	Off	Off	Off	Low	Low	Low	Low	High	High
18	Off	Off	Off	Off	On	Off	Off	Low	Low	Medium	Off	High
4	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Medium	High
9	Off	Off	Off	Off	Off	On	Off	Off	Low	Low	High	Off
22	On	On	Off	Off	Off	Off	Medium	Medium	Medium	Medium	Medium	Medium
1	Off	Off	Off	Off	Off	Off	Off	Low	Medium	Low	Low	Medium
17	Off	Off	Off	Off	Off	Off	Off	Off	Off	Low	Medium	Off
14	On	Off	Off	Off	Off	On	Off	Off	Off	Medium	Off	Off
20	Off	Off	Off	Off	Off	On	Low	Low	Low	Low	Low	Low
21	Off	Off	Off	Off	Off	Off	Off	Low	Low	Low	Low	Low
8	Off	Off	Off	Off	Off	Off	Low	Low	Low	Low	Off	Off
5	Off	Off	Off	On	On	On	Off	Off	Off	Off	Off	Off

Figure 3. Pre-Crash EDR Data

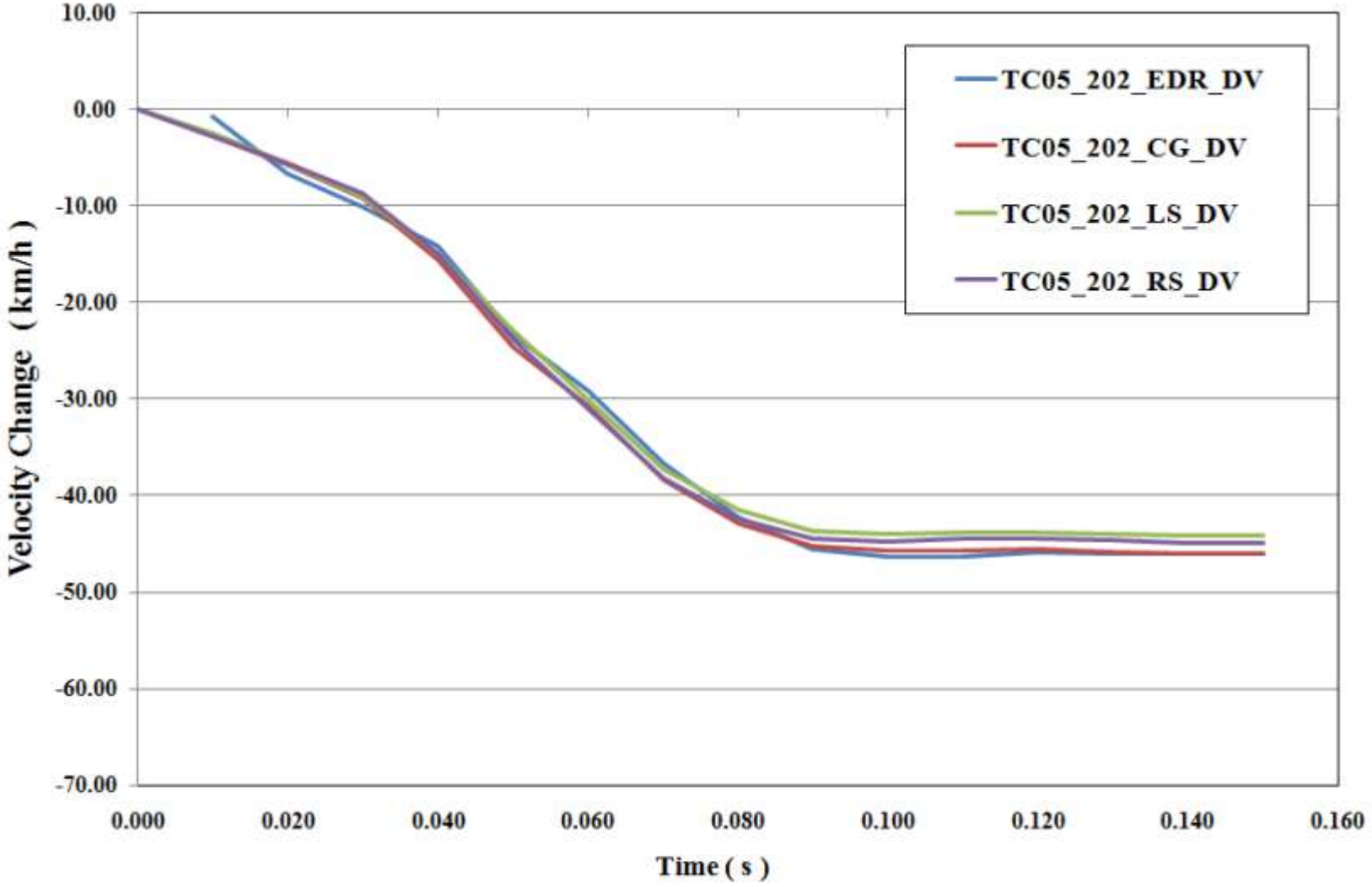


Figure 9. 2005 Toyota Camry (TC05-202)

Air Bag Research in Canada

The Development of Knowledge-Based Countermeasures

Alan German
Suzanne Tylko
Dainius Dalmotas
Jean-Louis Comeau
Brian Monk

Transport Canada
Transports Canada

Canadian Injury Prevention and
Safety Promotion Conference
Ottawa, Ontario, 2003

1995 Hyundai Accent

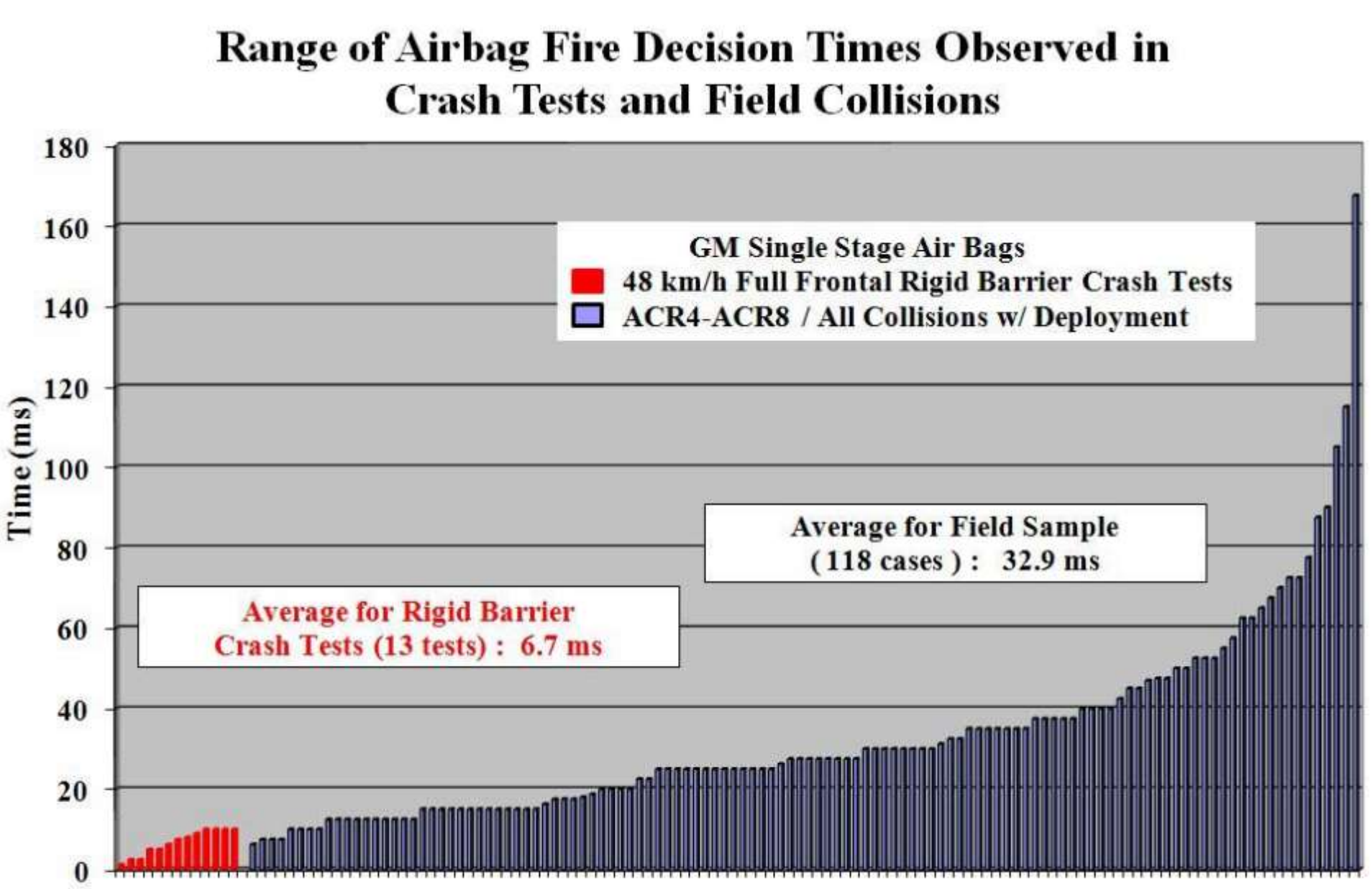
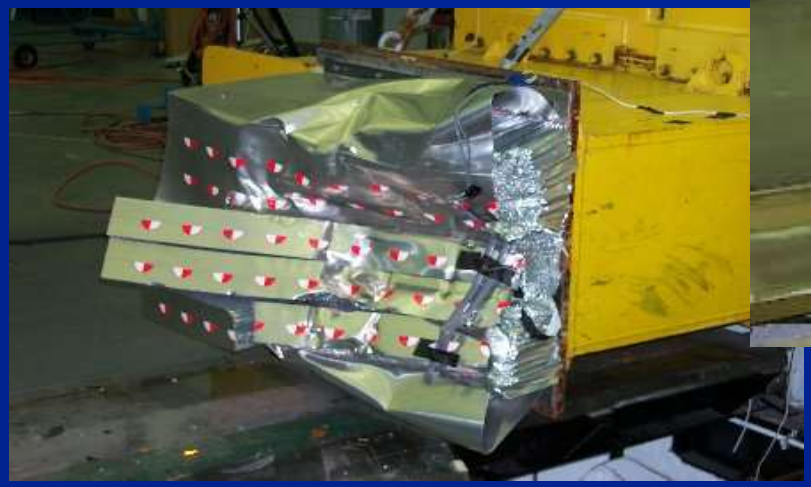


Figure 1. Range of Air Bag Fire Decision Times

Countermeasures

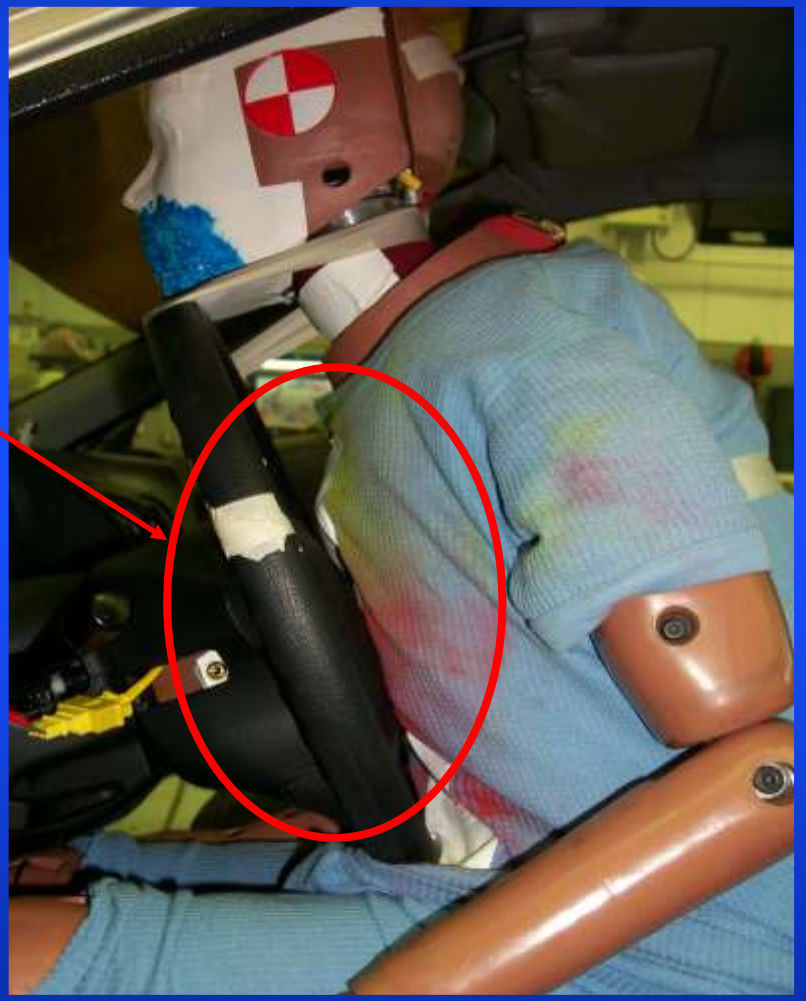
- Safety leaflets
- Videotapes
- Web site
- Community involvement (coroners, police, schools)
- Second generation (depowered) air bags
- National deactivation programme

Test 00-204



TC Chest on Module Test

Chest on module



System Status at Event (Event Record 1)

Life Time Counter (sec)	7413951
Complete File Recorded (Yes/No)	Yes (Complete)
Ignition Cycle, Crash	8172
Ignition Cycle, Download	8177
Multi-Event, Number of Events (1, 2)	1
Time from Event 1 to 2 (sec)	N/A
Safety Belt Status, Driver	On (Fastened)
Safety Belt Status, Right Front Passenger	Off (Unfastened)
Frontal Air Bag Warning Lamp (On, Off)	Off
Frontal Air Bag Suppression Switch Status	On (AS airbag inhibit)
Maximum Delta-V, Longitudinal (MPH [km/h])	-22 [-35]
Time, Maximum Delta-V, Longitudinal (msec)	105
Maximum Delta-V, Lateral (MPH [km/h])	-11 [-17]
Time, Maximum Delta-V, Lateral (msec)	80
Maximum Acceleration, Longitudinal (g)	-32.5
Time, Maximum Acceleration, Longitudinal (msec)	45
Maximum Acceleration, Lateral (g)	-27
Time, Maximum Acceleration, Lateral (msec)	47.5

Deployment Command Data (Event Record 1)

Frontal Air Bag Deployment, Time to Deploy/First Stage, Driver (msec)	28
Frontal Air Bag Deployment, Time to Deploy/First Stage, Passenger (msec)	N/A
Frontal Air Bag Deployment, Time to 2nd Stage, Driver (msec)	31
Frontal Air Bag Deployment, Time to 2nd Stage, Right Front Passenger (msec)	N/A
Side Air Bag Deployment, Time to Deploy, Driver (msec)	N/A
Side Air Bag Deployment, Time to Deploy, Right Front Passenger (msec)	N/A
Side Curtain/Tube Air Bag Deployment, Time to Deploy, Driver Side (msec)	N/A
Side Curtain/Tube Air Bag Deployment, Time to Deploy, Right Side (msec)	N/A
Pretensioner Deployment, Time to Fire, Driver (msec)	28
Pretensioner Deployment, Time to Fire, Right Front Passenger (msec)	28

Pre-Crash Data (Most Recent Event - table 1 of 5)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Pre-Crash Recorder Status	Engine RPM	Speed, Vehicle Indicated (MPH [km/h])	Accelerator Pedal, % Full	Raw Manifold Pressure (kPa)	ABS MIL	PCM MIL	ETC Lamp
-5.0	Complete	2,334	18 [30]	19	79.20	Off	Off	Off
-4.9	Complete	2,357	19 [30]	19	77.60	Off	Off	Off
-4.8	Complete	2,383	19 [30]	19	75.20	Off	Off	Off
-4.7	Complete	2,399	19 [31]	19	74.40	Off	Off	Off

Pre-Crash Data (Most Recent Event - table 2 of 5)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Service Brake	ABS Activity	Stability Control	Steering Input (deg)	Yaw Rate (deg/sec)
-5.0	Off	No	On	-1	0.00
-4.9	Off	No	On	-1	-0.24
-4.8	Off	No	On	-1	0.00
-4.7	Off	No	On	-1	0.00

Pre-Crash Data (Most Recent Event - table 3 of 5)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Wheel Speed LF (km/h)	Wheel Speed RF (km/h)	Wheel Speed LR (km/h)	Wheel Speed RR (km/h)	PRNDL Display Status	Reverse Gear (Manual Only)
-5.0	30	30	30	30	Drive	No
-4.9	31	31	30	30	Drive	No
-4.8	31	31	31	31	Drive	No
-4.7	31	31	31	31	Drive	No

Pre-Crash Data (Most Recent Event - table 4 of 5)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Tire Pressure Position 1	Tire Pressure Position 2	Tire Pressure Position 3	Tire Pressure Position 4	Tire Pressure Status 1	Tire Pressure Status 2	Tire Pressure Status 3	Tire Pressure Status 4
-5.0	LHR	RHR	LHF	RHF	Normal	Normal	Normal	Normal
-4.9	LHR	RHR	LHF	RHF	Normal	Normal	Normal	Normal
-4.8	LHR	RHR	LHF	RHF	Normal	Normal	Normal	Normal
-4.7	LHR	RHR	LHF	RHF	Normal	Normal	Normal	Normal

Pre-Crash Data (Most Recent Event - table 5 of 5)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Tire Pressure Value 1 (psi)	Tire Pressure Value 2 (psi)	Tire Pressure Value 3 (psi)	Tire Pressure Value 4 (psi)	Cruise Control Lamp Status	Cruise Control Engaged	Park Brake
-5.0	33	35	33	33	Off	Not Engaged	Off
-4.9	33	35	33	33	Off	Not Engaged	Off
-4.8	33	35	33	33	Off	Not Engaged	Off
-4.7	33	35	33	33	Off	Not Engaged	Off
-4.6	33	35	33	33	Off	Not Engaged	Off

Some vehicles even take photos!

-5.400s

-3.000s

-2.400s

Available online at www.evu-online.org EVU2025_XX

33rd Annual Congress of the European Association for Accident Research and Analysis (EVU)

Non-CDR Data Sources

D. Patrick Ryan, P.Eng.*

Graham Ryan Consulting Ltd. #34, 11410 – 27 Street SE Calgary AB T2Z3R6 CANADA

Limitations of EDR's

- Minor crash severity may not trigger a recording
- A particular problem for vulnerable road users (pedestrians and cyclists) impacted by vehicles
- Vehicle theft/insurance fraud
- Author considers alternative data sources
  - Navigation systems (GPS)
  - Infotainment/telematics systems
  - Bicycle computers
  - Mobile phones

Berla iVe

- Specialized digital forensics toolkit able to extract and analyze data from modern in-vehicle infotainment, navigation, and telematics systems
  - trip logs, saved and recent destinations, active routes, speed and direction
  - call logs, contact lists, SMS messages, social media and email metadata synced via a paired phone
  - records of phones and other devices connected via Bluetooth, Wi-Fi, or USB
  - door open/close events, light usage, and similar vehicle-use events with associated timestamps and locations

GM Human Machine Interface (HMI) and OnStar ECU's

POI and time stamps determined from track log (scatter is GPS uncertainty)

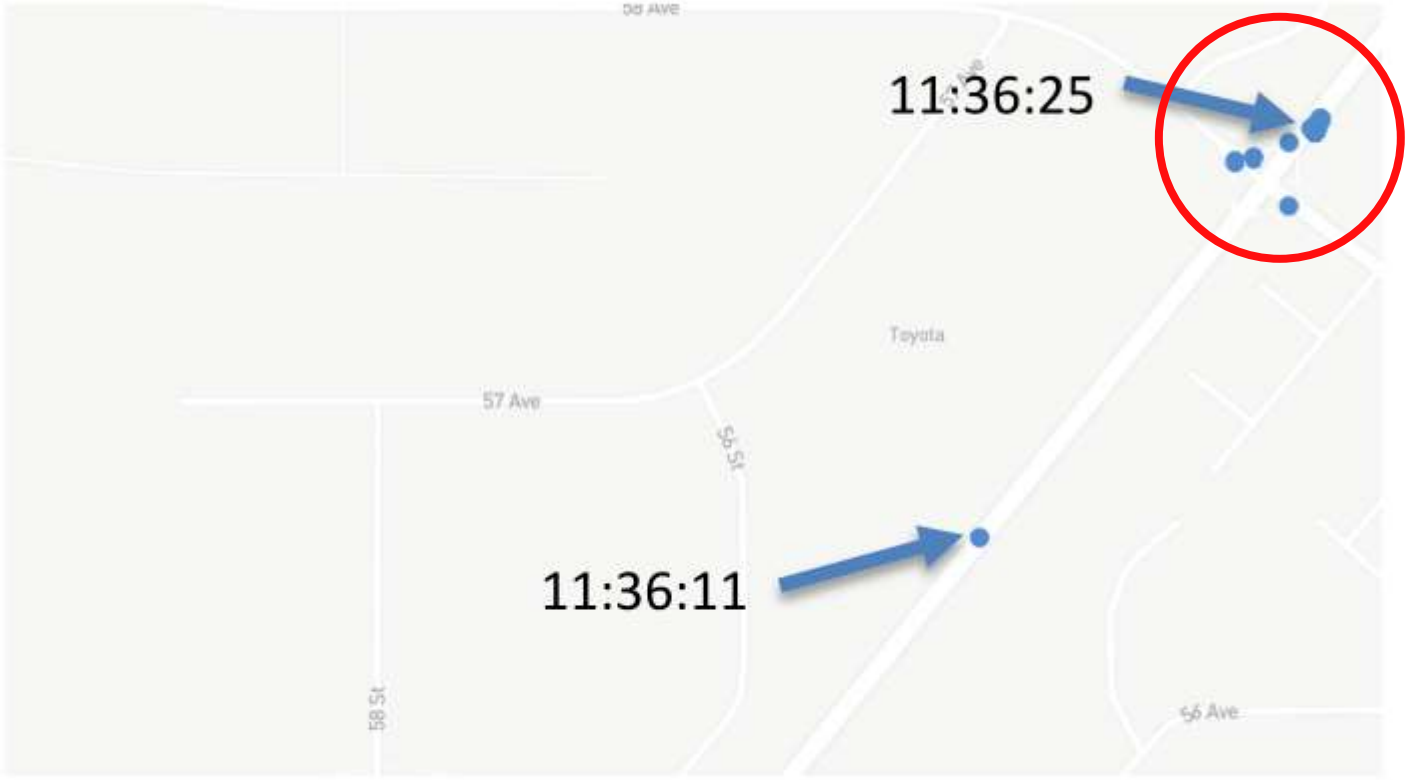


Figure 3: Collision Site

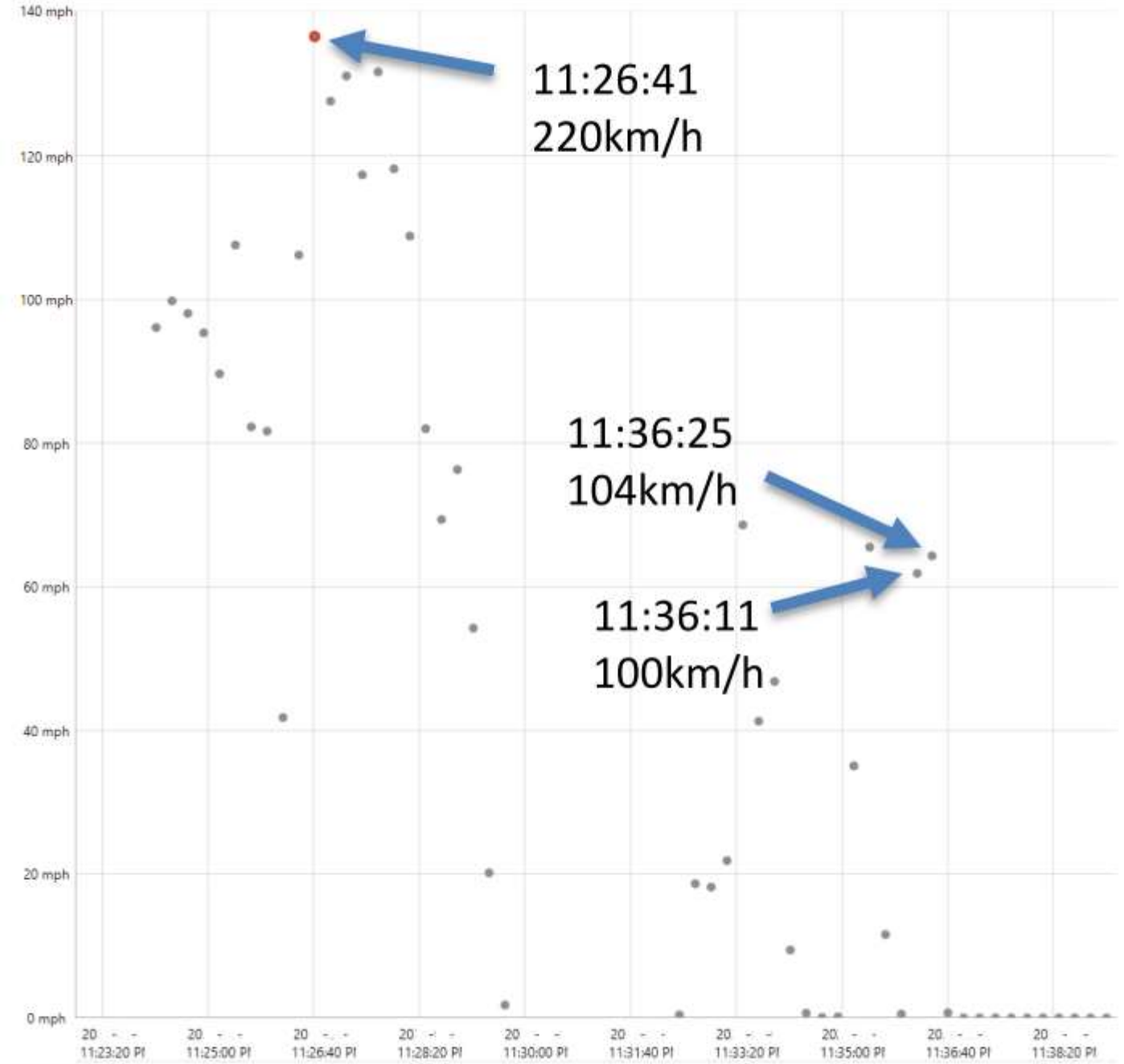


Figure 4: Velocity log

SYNC Gen 3 Infotainment Module

Figure 8: Final Track Log

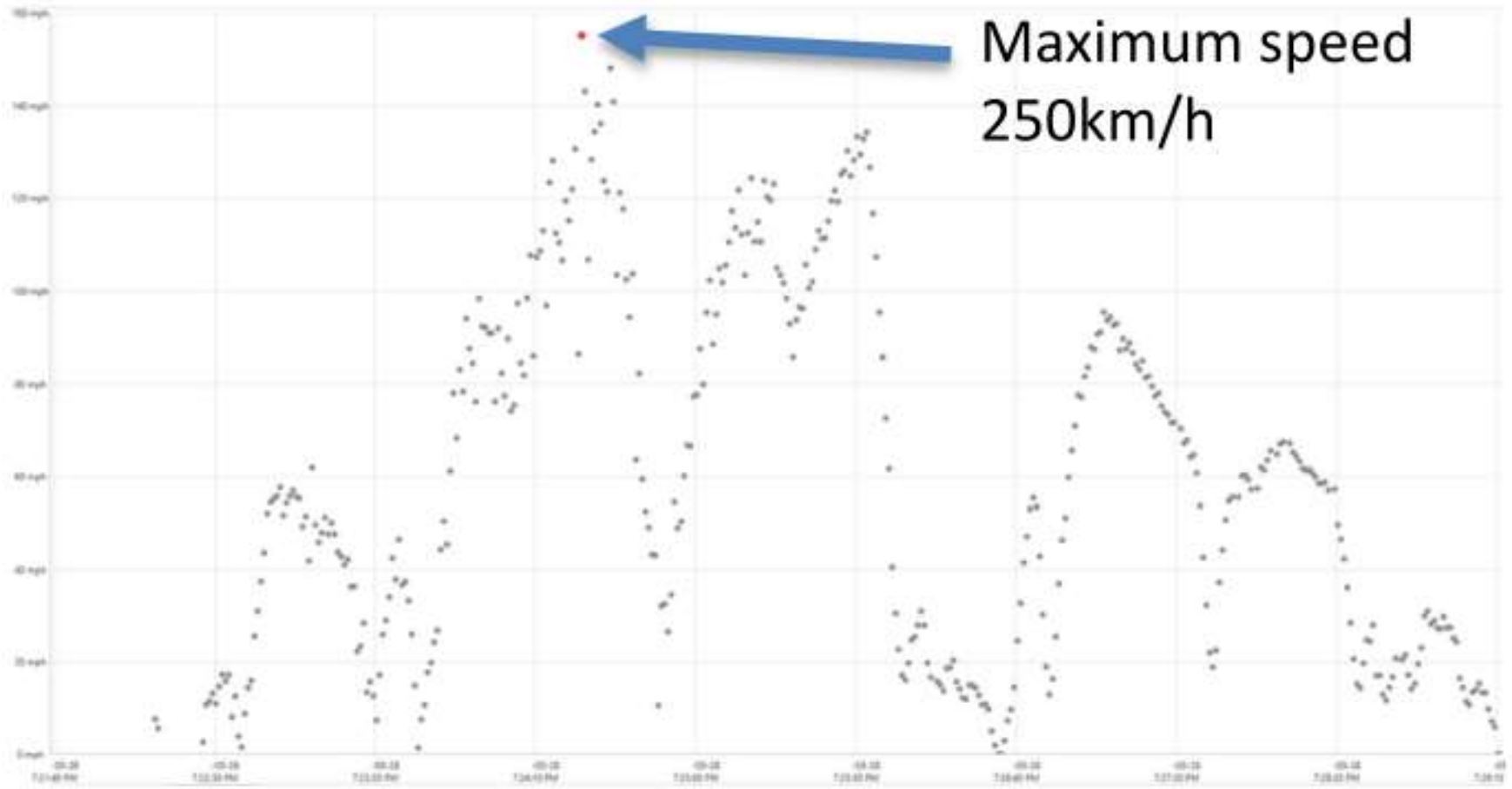


Figure 9: Final Velocity Log

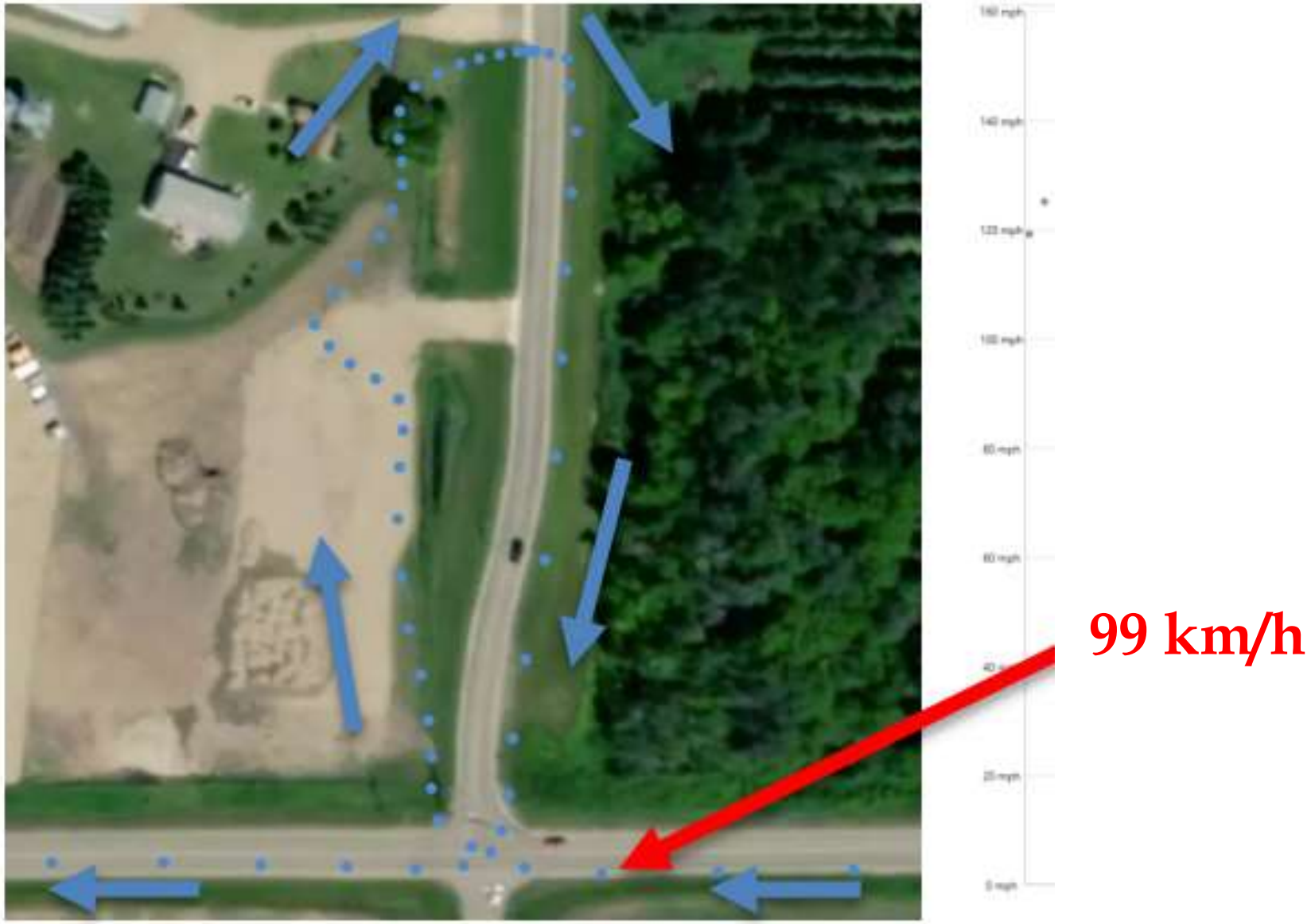


Figure 10: Path Deviation

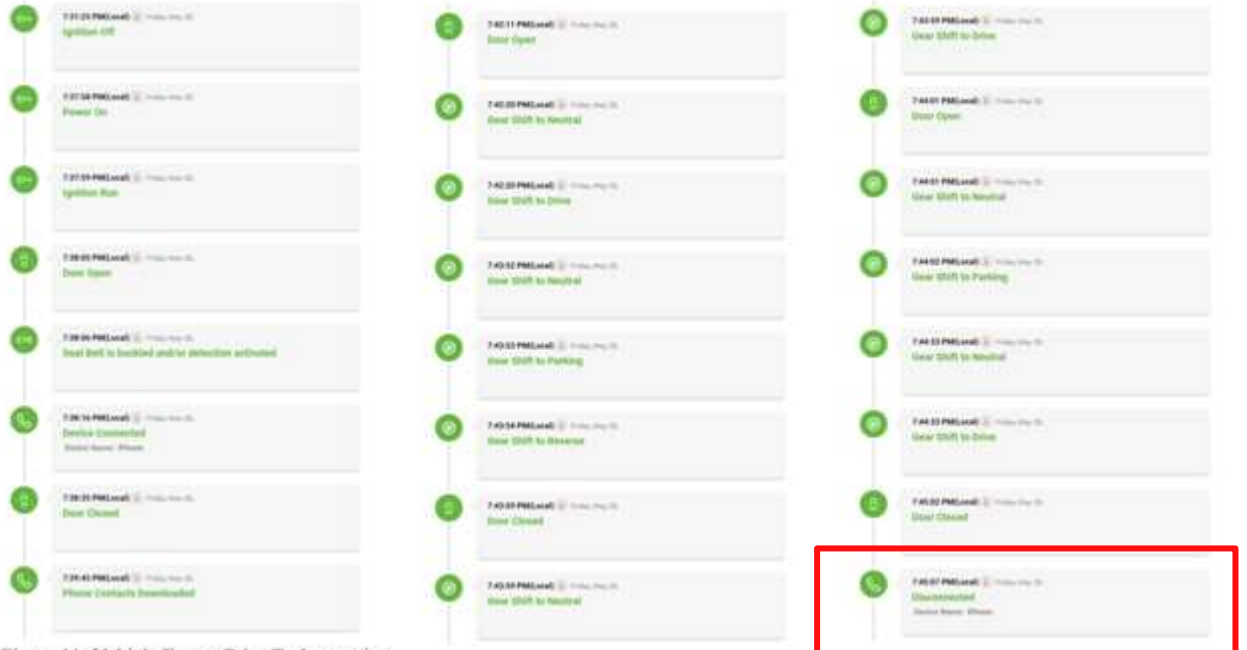
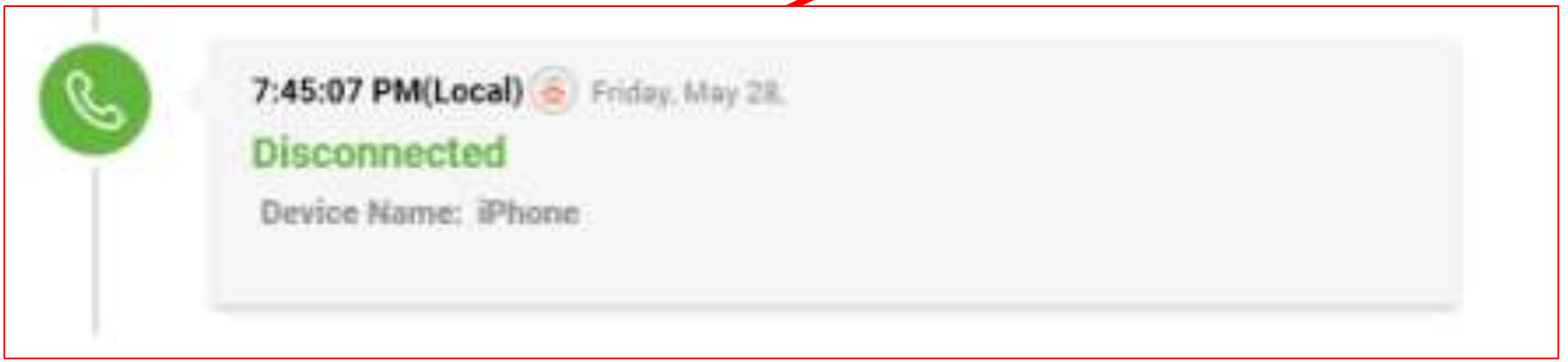


Figure 11: Vehicle Events Prior To Immersion



Garmin Edge 130

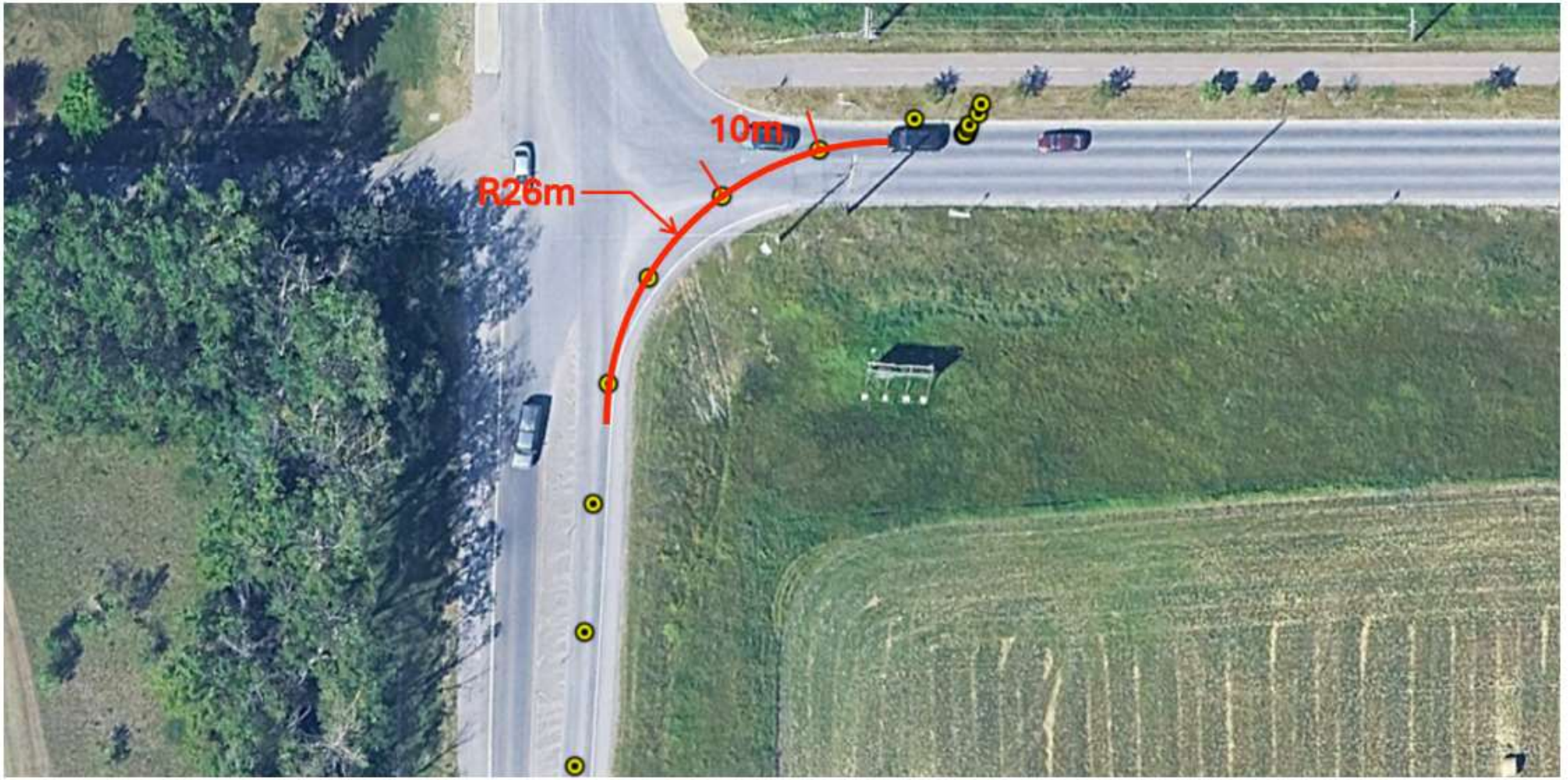
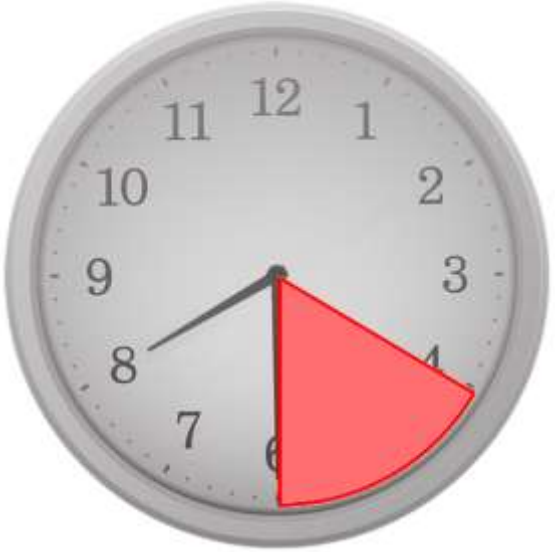


Figure 29: KML Export on Google Earth Aerial

Strava App on Mobile Phone

Figure 35: Strava™ report figure

E-bike collision with pedestrians around a blind curve. Posted speed limit was 20 km/h



Any other:

Questions

Comments

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Current OPCUG members – Don't do anything – You will have auto-renewal

Computer Hardware

- If buying a PC, tablet, or phone today what are the minimum standards a customer should be looking for?
- I have heard occasional banter on OPCUG calls about computer chips - Intel is bad; AMD is Good. What is the overall consensus about computer chips for x86 architecture with regard to Intel and AMD?

OPCUG

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Armchair Travel: Newfoundland
Lynda Buske
Greenboro, Thursday Mar 5, 2026 at 10:30am

Fun with fonts - the art and science of typography
Chris Taylor
Beaverbrook, Thursday Mar 5, 2026 at 6:00pm

How to Buy a PC
Chris Taylor
Orléans, Friday Mar 6, 2026 at 2:00pm

https://booking.biblioottawalibrary.ca/en/program?text=ottawa+pc

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Bonus Presentation 3

Armchair Travel: Newfoundland

with Lynda Buske, OPCUG

- Description:
  - Photos and narration from multiple car trips around this wonderful province. Sights from north, south, east and west coasts.
  - Highlights include the Viking settlement in L'Anse aux Meadows, the fjord at Western Brook Pond, the Tablelands, Bonavista, Twillingate, Cape Spear, icebergs, puffins, and more.
  - Experience *The Rock* with photos by club member Lynda Buske.
- When:
  - **Tuesday, March 31, 7:30pm** & will last approximately one hour
- Where:
  - hosted on Zoom at **https://tinyurl.com/opcug-bonus3**
- Details:
  - https://opcug.ca/mec-category/bonus/

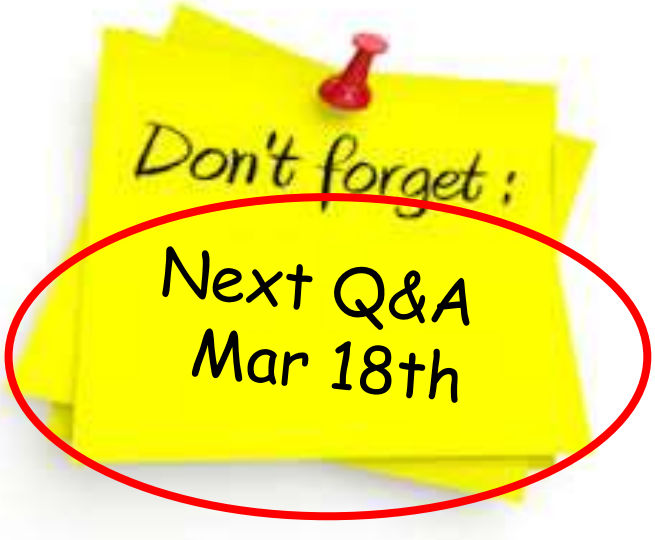
March Meeting

NAS in the Home Environment

Bill Van Dijk
OPCUG

March 11, 2026
7:30 pm

No Q&A on
March 11
(Monthly Meeting)



Send your questions, answers, and topics you wish to share to:

SuggestionBox@opcug.ca