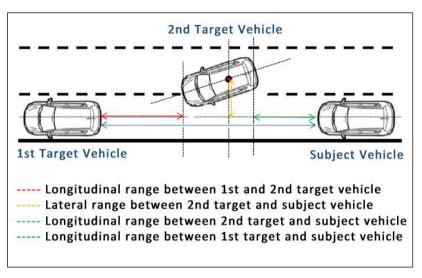
VBOX File Processor - Interruption Plugin -



VBOX File Processor Interruption plugin allows you to generate vehicle separation data between three vehicles (subject vehicle, target vehicle and interruption vehicle).

Interruption calculations can be mixed with existing VBOX File Processor functions such as filtering, renaming, smoothing, synchronising or math channel generation.

The customised separation data can be output in KML, VBO and CSV file format for use in VBOX Tools or other data analysis software.



How does it work?

Simply drag and drop the Interruption process block from the ADAS menu into the working area and load the VBOX files recorded during the test manoeuvre. Set the subject vehicle's dimensions, customise channel parameters, and create the output file you need.

VBOX File Processor File Configuration Help							
Available Process Blocks	Load Input File C:\Users\Ina Drewitz\Desktop\Interruption\Subject.vbo						
ADAS	Selected Process Blocks						
Interruption	Interruption	B					
Lane Data Generation	Subject Target and Interruption Vehicle Measurement Points						
Vehicle Separation	Vehicle Measurement Point Polygon Distance To Front Subject 2.50 mm Target 2.50 mm Interruption 2.50 mm Distance To Back Subject 1.50 mm Target 1.50 mm Interruption 1.50 mm						
	Distance To Left Subject 0.90 m Target 0.90 m Interruption 0.90 m Distance To Right Subject 0.90 m Target 0.90 m Interruption 0.90 m						
	Target Vehicle Data Load Target Vehicle File(s) Target vbo						
Channel Selection	Stationary Heading (Degree)						
Filtering							
Maths Channel	Process Output File: C\Users\Ina Drewitz\Desktop\Interruption\Subject_Processed.vbo						

Screenshot 1: VBOX File Processor - Interruption process block loaded into working area

Features

- Calculates and processes vehicle separation data
- Fully configurable calculation modes
- Exports to VBO, CSV, KML

- Filtering and smoothing
- Standard and custom math channels
- Batch processing of VBO files
- Data preview within the software



VBOX File Processor - Interruption Plugin -



Channel configuration options

The VBOX Interruption plugin allows you to configure how distances between the subject vehicle and target vehicles are calculated.

Subject Target and Interruption Vel	hicle Measurement Points	
Vehicle Measurement Point	Fixed Point 🔹	
Subject Vehicle Offset	X Offset 0.00 m Y Offset 0.00 m	
Target Vehicle Offset	X Offset 0.00 🕞 m Y Offset 0.00 🕞 m	
Interruption Vehicle Offset	X Offset 0.00 🖨 m Y Offset 0.00 🖨 m	
Target Vehicle Data		
Load Target Vehicle File(s)	Target.vbo 🔀	
Stationary Heading (Degree)	0.00	
Long. acc. smoothing level	5	
Interruption Vehicle Data		
Load Interruption Vehicle File(s)	Interuption.VBO 🔀	
Stationary Heading (Degree)	0.00	
Long. acc. smoothing level	5	

Screenshot 1: A vehicle can be referenced by fixed points or a polygon.

Output Time Range Smoothing Distance Minimum Speed Threshold Channels	13:58:48.11 - 13:59:41.11 2.00 m 5.00 kmh				
🔽 🥓 LngRtg_in	📝 🥢 LngRsv_in	🔽 🥢 LngRsv_tg	📝 🥢 Speed_tg	🔽 🥕 LngAcc_tg	
🔽 🥖 Speed_in	🔽 🥢 LngAcc_in	🔽 🥖 LatRsv_in	📝 🥖 RelSsv_in	🔽 🥖 LngSsv_in	
🔽 🥖 LatSsv_in	📝 🥖 LatAcc_in	🔽 🥖 T2Ctg_in	📝 🥒 T2Csv_in	📝 🥒 T2C2sv_in	
V Head_in					

Screenshot 2: Channels can be deselected if looking for a specific set of outputs, and smoothing distance/speed threshold can be set.

