

IMPORTANT NOTICE: Robert Bosch LLC and the manufacturers whose vehicles are accessible using the CDR System urge end users to use the latest production release of the Crash Data Retrieval system software when viewing, printing or exporting any retrieved data from within the CDR program. Using the latest version of the CDR software is the best way to ensure that retrieved data has been translated using the most current information provided by the manufacturers of the vehicles supported by this product.

CDR File Information

User Entered VIN/Frame Number	JTNB11HK9J3028683
User	Sgt. R.J. Fox OSHP U-1316
Case Number	SPD 22086777
EDR Data Imaging Date	08/05/2022
Crash Date	07/31/2022
Filename	JTNB11HK9J3028683_ACM.CDRX
Saved on	Friday, August 5 2022 at 09:45:02
Imaged with CDR version	Crash Data Retrieval Tool 21.4.1
Imaged with Software Licensed to (Company Name)	Ohio DPS - Highway Patrol
Reported with CDR version	Crash Data Retrieval Tool 21.4.1
Reported with Software Licensed to (Company Name)	Ohio DPS - Highway Patrol
EDR Device Type	Airbag Control Module
Event(s) recovered	Front/Rear/Side Events (3), Side Events (4), Rollover Events (2)

Comments

2018 Toyota Camry Black 4DR
(OH) JIB3692
R = P215/55R17
A = P215/55R17
DTM SP-1383
C = 827
A = 8387
Search Warrant
Cuyahoga Common Pleas
Center Towing
S.P.D. Lt. J. Mason

Data Limitations

CDR Record Information:

- Due to limitations of the data recorded by the airbag ECU, such as the resolution, data range, sampling interval, time period of the recording, and the items recorded, the information provided by this data may not be sufficient to capture the entire crash.
- Pre-Crash data is recorded in discrete intervals. Due to different refresh rates within the vehicle's electronics, the data recorded may not be synchronous to each other.
- Airbag ECU data should be used in conjunction with other physical evidence obtained from the vehicle and the surrounding circumstances.
- If any of the front passenger seat airbags, side airbags, or Curtain Shield Airbags have deployed, data will not be overwritten or deleted by the airbag ECU following that event. If none of the airbags have deployed, the data of that event may be overwritten by a following event even if other airbags (pretensioner, rear seat airbag, etc.) have deployed.
- If power supply to the airbag ECU is lost during an event, all or part of the data may not be recorded.
- "Diagnostic Trouble Codes" are information about faults when a recording trigger is established. Various diagnostic trouble codes could be set and recorded due to component or system damage during an accident.
- The airbag ECU records only diagnostic information related to the airbag system. It does not record diagnostic information related to other vehicle systems.
- The TaSCAN, Global Tech Stream, or Intelligent Tester II devices (or any other Toyota genuine diagnostic tool) can be used to obtain detailed information on the diagnostic trouble codes from the airbag system, as well as diagnostic information from other systems. However, in some cases, the diagnostic trouble codes of the airbag system recorded by the airbag ECU when the event occurred may not match the diagnostic trouble codes read out when the diagnostic tool is used.

General Information:

- The data recording specifications of Toyota's airbag ECUs are divided into the following categories. The specifications for 12EDR or later are designed to be compatible with NHTSA's 49CFR Part 563 rule.
 - 00EDR / 02EDR / 04EDR / 06EDR / 10EDR / 12EDR / 13EDR / 15EDR / 17EDR / 19EDR
- The airbag ECU records data for all or some of the following accident types: frontal crash, rear crash, side crash, and rollover events. Depending on the installed airbag ECU, data for side crash and/or rollover events may not be recorded.
- The airbag ECU has the following recording pages (memory maps) for each accident type to store event data: four pages for frontal/rear/side crash, four pages for a side crash, and two pages for rollover event.
- When a crash impact for a lateral direction is occurred, data may be recorded in a page for frontal/rear/side crash. And additional data may be recorded in a page for side crash.
- The data recorded by the airbag ECU includes correlating information between each previously occurring event (i.e., information that clarifies the collision event sequence. This correlation information consists of the following items.
 - Time from Previous TRG
 - TRG Count

- Previous Crash Type
- In frontal/rear/side crash events, earlier point in the following is regarded as time zero for the recorded data.
 - the first point where a longitudinal cumulative delta-V of over 0.8 km/h (0.5 mph) is reached
 - the first point where a lateral cumulative delta-V of over 0.8 km/h (0.5 mph) is reached
- In side crash event and rollover event, the point in time at which the recording trigger is established is regarded as time zero for the recorded data.
- The recording trigger judgment threshold value differs depending on the collision type (i.e., frontal crash, rear crash, side crash, or rollover event).
- Some of the data recorded by the airbag ECU is transmitted to the airbag ECU from various vehicle control modules by the vehicle's Controller Area Network (CAN).
- In some cases, the airbag ECU part number printed on the ECU label may not match the airbag ECU part number that the CDR tool reports. The part number retrieved by the CDR tool should be considered as the official ECU part number.
- In frontal/rear/side collision events, the record time varies depending on the period during which a longitudinal and lateral cumulative delta-V of over 0.8 km/h (0.5 mph) is reached, and time series data is recorded for up to 250 ms. The record time described above is indicated as "Length of Delta-V". "Delta-V, Longitudinal" outside the record time is indicated by area shaded in the table, and not indicated in the graph.

Data Element Sign Convention:

The following table provides an explanation of the sign notation for data elements that may be included in this CDR report.

Data Element Name	Positive Sign Notation Indicates
Maximum Delta-V, Longitudinal	Forward
Delta-V, Longitudinal	Forward
Delta-V, Lateral	Left to Right
Lateral Acceleration, Side Satellite Sensor 1	Left to Right
Lateral Acceleration, Side Satellite Sensor 2	Left to Right
Lateral Acceleration, Side Satellite Sensor 3	Left to Right
Lateral Acceleration, Side Satellite Sensor 4	Left to Right
Rate of Change of Pressure, Side Satellite Sensor 1	The pressure of a door interior is applied.
Rate of Change of Pressure, Side Satellite Sensor 2	The pressure of a door interior is applied.
Rate of Change of Pressure, Side Satellite Sensor 3	The pressure of a door interior is applied.
Rate of Change of Pressure, Side Satellite Sensor 4	The pressure of a door interior is applied.
Lateral Acceleration for Side Crash, Floor Sensor	Left to Right
Roll Angle Peak	Clockwise Rotation
Roll Angle at the Time of TRG	Clockwise Rotation
Roll Rate	Clockwise Rotation
Lateral Acceleration for Rollover, Floor Sensor	Left to Right
Longitudinal Acceleration, VSC Sensor	Forward
Yaw Rate	Left Turn
Steering Input	Left Turn

Data Definitions:

- After "Freeze Signal" has been turned ON, subsequent events will not be recorded in the recording page.
- "Recording Status" indicates a state in which all recorded event data has been written into the non-volatile memory, or a state in which this process was interrupted and not fully written into the non-volatile memory. If "Recording Status" is "Incomplete", recorded event data may not be valid.
- "Engine RPM" indicates the number of engine revolutions, not the number of motor revolutions. The recorded value has an upper limit of 12,800 rpm. Resolution is 100 rpm and the value is rounded down and recorded. For example, if the actual engine speed is 799 rpm, the recorded value will be 700 rpm.
- If the electric vehicle is using a calculated/virtual engine RPM for drivetrain control, "Engine RPM" may be recorded, but should not be used during data analysis.
- The upper limit for the recorded "Vehicle Speed" value is 200 km/h (125mph). Resolution is 1km/h (0.6mph) and the value is rounded down and recorded. The accuracy of the "Vehicle Speed" value can be affected by various factors. These include, but not limited, to the following.
 - Significant changes in the tire's rolling radius
 - Wheel lock and wheel slip
- "Accelerator Pedal" value is recorded as a percentage. The percentage increases as the driver depresses the accelerator.
- If M/T transmission vehicle of some limited model, "Shift Position" may display "Drive" regardless of the actual shift position.
- Depending on the type of occupant sensor installed in the vehicle, one of the following three recording formats for "Occupant Size Classification, Front Passenger" will be utilized.
 - Occupied / Not Occupied
 - AM50 / AF05 / Child / Not Occupied
 - AM50 / AF05 / Child or Not Occupied
- "Cruise Control Status" indicates whether the cruise control system is actuated or not. OFF indicates that the cruise control system is not actuated, but can also indicate that the vehicle is not equipped with the system.
- "Air Bag Warning Lamp, On/Off", "Ignition Cycle, Crash", "Seat Track Position Switch, Foremost, Status, Driver", "Occupant Size Classification, Front Passenger", "Safety Belt Status, Driver", "Safety Belt Status, Front Passenger", "Frontal Air Bag Suppression Switch Status, Front Passenger", and "RSCA Disable Switch" indicate the state approximately 1 second before time zero. They may not always indicate the state at the moment of collision.
- The upper and lower limits for the recorded value of "Motor RPM" is 17,500 rpm and -7,500 rpm respectively. Resolution is 100 rpm and the value is rounded down and recorded.
- "Brake Oil Pressure" has an upper limit of 12.14 Mpa. In the case of the vehicle that has not VSC system, "0 Mpa" or "Invalid" may be displayed.
- "Longitudinal Acceleration, VSC Sensor" has upper and lower limits for the recorded value of 8.973 m/s² and -8.973 m/s² respectively. This acceleration sensor does not sense collisions.
- "Sequential Shift Range" displaying "Undetermined" indicates the shift range is undetermined or was not being used.

- Some vehicles will not be equipped with all "Drive Mode" types indicated in the "Drive Mode" table. If some or all drive modes are not applicable to vehicle, "OFF" or "Invalid" may be displayed. The item in the "Drive Mode" table may not match the name of switch or indicator that equipped the vehicle.
- The upper and lower limits for the recorded value of "Steering Input" is 375 deg and -375 deg respectively. Resolution is 1.5 deg and the value is rounded down and recorded.
- Resolution of the "Air Bag Warning Lamp ON Time Since DTC was Set" is 15 minutes, and the value is rounded down and recorded.
- "Delta-V, Longitudinal" indicates the change in forward speed after time zero. This does not refer to vehicle speed, and it does not include the change in speed during the period from the start of the actual collision to establishment of the time zero.
- "Location of Side Satellite Sensor" shows the outline of a typical sensor position. Sensory location can be confirmed using the repair manual.
- "TRG Count" indicates a calculated value of the number of times recording triggers have been established for all crash types. The sequence in which each event occurred can be verified from the "TRG Count". The smaller the "TRG Count" value, the older the data. The upper limit for the recorded value is 65,533 times. When more than one event reaches the upper limit, the actual "TRG Count" may be greater than what is displayed for that event.
- Resolution of the "Time from Pre-Crash to TRG" is 50 [ms], and the value is rounded up and recorded.
- "Time from Previous TRG" indicates the time between the establishment of a most recent event's recording trigger to the establishment of a latest event's recording trigger. The upper limit for the recorded value is 32,767 milliseconds. In the event of establishment of the first recording trigger after the ignition is switched ON, the upper limit value(max value) is recorded.
- "Roll Angle at the Time of TRG" and "Roll Angle Peak" do not represent the actual roll angle of the vehicle. These values are used internally by the airbag ECU for sensing a rollover.
- Depending on the type of satellite sensor installed in the vehicle, "Lateral Acceleration" or "Rate of Change of Pressure" is displayed as Side satellite sensor. "Rate of Change of Pressure" indicates that of a door interior. 0% is displayed when the pressure of a door interior is equal with the outside air pressure.
- Depending on the type of satellite sensor installed in the vehicle, "Clipping Time, Lateral Acceleration" or "Clipping Time, Rate of Change of Pressure" is displayed.
- "VSC Control Status" displaying "OFF+ (disable)" indicates VSC is disable (a part of the behavior stabilization control is operated).
- "Trip count" indicates the number of ignition power applying to a vehicle. The upper limit for the recorded value is 65534 times. When trip count reaches the upper limit value, trip count is reset at the next counting up.
- "Time count input system" indicates a count method of "Time count" and "Trip count".
 - Normal: Airbag ECU correct the count value with vehicle common value and count it up.
 - IG: ECU uniquely counts up regardless of vehicle common value. (In case of IG system ECU.)
 - ACC: ECU uniquely counts up regardless of vehicle common value. (In case of ACC system ECU.)
 - +B: ECU uniquely counts up regardless of vehicle common value. (In case of +B system ECU.)
- "Time count" indicates time from ignition power applying. The upper limit for the recorded value is 1,677,721,400ms. The resolution is 100ms and the value is rounded down and recorded.

05017_ToyotaS00std_r028

System Status at Retrieval

ECU Part Number	89170-33A80
EDR Generation	17EDR
Complete File Recorded	No
Ignition Cycle, Download (times)	6500
Multi-Event, Number of Events (times)	N/A - 2 dependent events follow 1 independent
Time from Event 1 to 2 (sec)	N/A
Diagnostic Trouble Codes Exist	No
Location of Side Satellite Sensor 1, L	front door
Location of Side Satellite Sensor 2, L	B-Pillar
Location of Side Satellite Sensor 3, L	Not Equipped
Location of Side Satellite Sensor 4, L	C-Pillar
Location of Side Satellite Sensor 1, R	front door
Location of Side Satellite Sensor 2, R	B-Pillar
Location of Side Satellite Sensor 3, R	Not Equipped
Location of Side Satellite Sensor 4, R	C-Pillar
Location of Floor Sensor	Airbag ECU

Event Record Summary at Retrieval

Events Recorded	TRG Count	Crash Type	Time (msec)	Pre-Crash Recording Status	Diagnostic Data Recording Status	Occupant Data Recording Status	Crash Info Recording Status	Time Series Recording Status
Most Recent Event	18	Rollover	0	Complete	Complete	Complete	Incomplete	Incomplete
1st Prior Event	17	Side Crash	N/A	N/A	Complete	N/A	N/A	Complete
2nd Prior Event	16	Frontal/Rear/Side Crash	N/A	Complete	Complete	Complete	Complete	Complete
3rd Prior Event	15	Side Crash	N/A	N/A	Complete	N/A	N/A	Complete
4th Prior Event	14	Side Crash	N/A	N/A	Complete	N/A	N/A	Complete
5th Prior Event	11	Frontal/Rear/Side Crash	N/A	Complete	Complete	Complete	Complete	Complete
6th Prior Event	10	Side Crash	N/A	N/A	Complete	N/A	N/A	Complete
7th Prior Event	9	Frontal/Rear/Side Crash	N/A	Complete	Complete	Complete	Complete	Complete
8th Prior Event	5	Rollover	N/A	Complete	Complete	Complete	Complete	Complete

System Status at Event (Most Recent Event, TRG 18)

TRG Count (times)	18
Event Type	Rollover
Previous Crash Type	Side Crash
Time from Previous TRG (msec)	196.0
Freeze Signal	OFF
Freeze Signal Factor	None
Recording Status, Rollover Crash Info.	Incomplete
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	424,300
Time count input system	Normal

Deployment Command Data (Most Recent Event, TRG 18)

Pretensioner Deployment, Time to Fire, 1st Seat, Driver (msec)	0.0
Pretensioner Deployment, Time to Fire, 1st Seat, Passenger (msec)	0.0
Pretensioner Deployment, Time to Fire, 2nd Seat, Driver (msec)	0.0
Pretensioner Deployment, Time to Fire, 2nd Seat, Passenger (msec)	0.0
Side Curtain Airbag Deployment, Time to Deploy, Driver (msec)	0.0
Side Curtain Airbag Deployment, Time to Deploy, Passenger (msec)	0.0

DTCs Present at Time of Event (Most Recent Event, TRG 18)

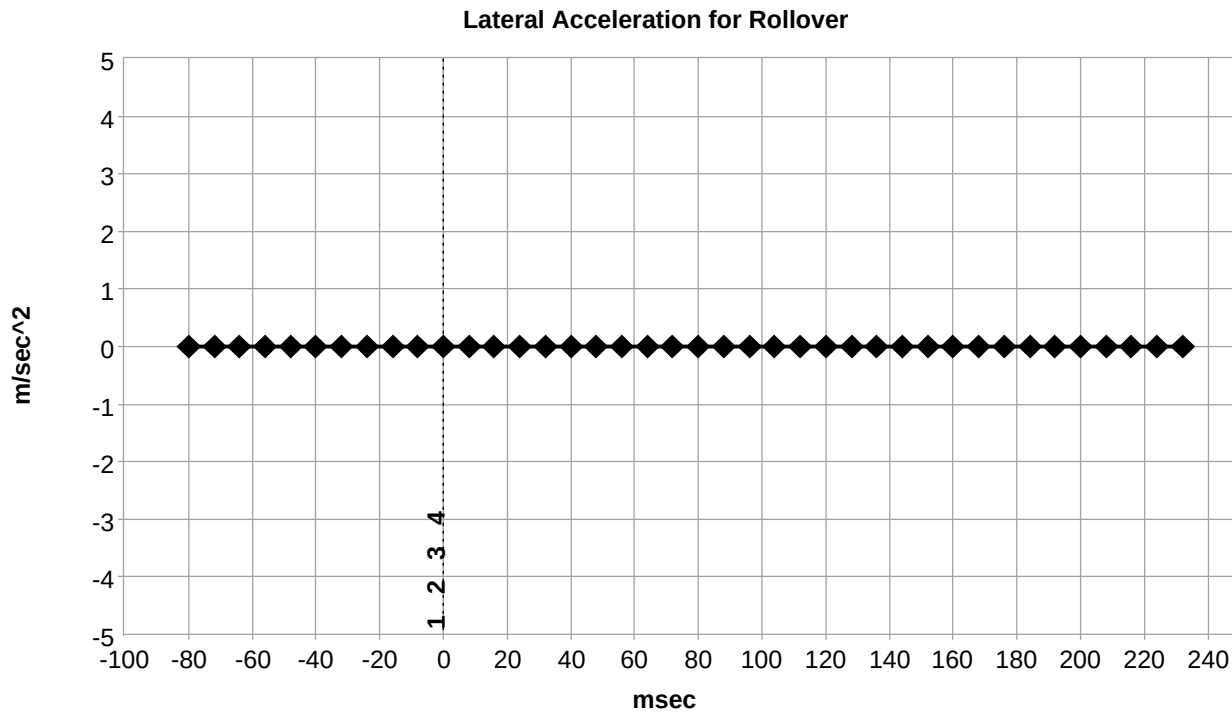
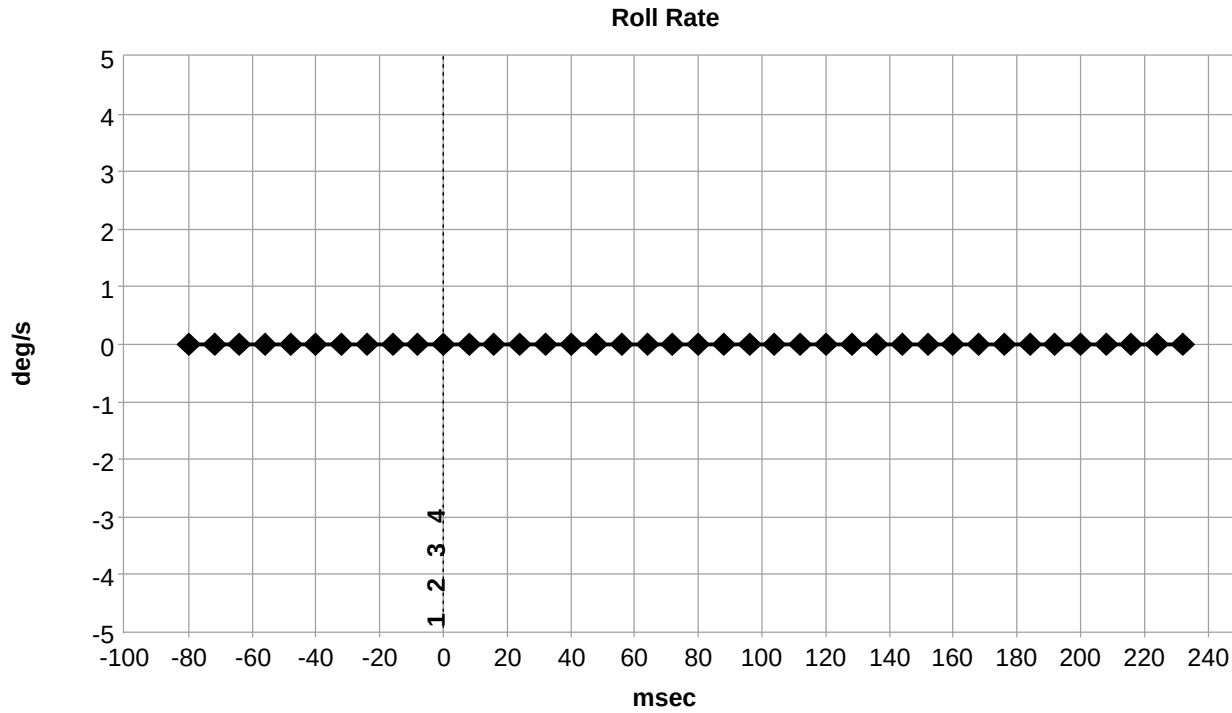
Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

Pre-Crash Data, 1 Sample (Most Recent Event, TRG 18)

Recording Status, Occupant	Complete
Recording Status, Pre-Crash	Complete
Time from Pre-Crash to TRG (msec)	300
Safety Belt Status, Driver	ON
Safety Belt Status, Front Passenger	ON
Occupant Size Classification, Front Passenger	AF05 (Not Child)
Frontal Airbag Suppression Switch Status, Front Passenger	SNA
RSCA Disable Switch	SNA
Seat Track Position Switch, Foremost, Status, Driver	Yes
Airbag Warning Lamp, On/Off	ON
Ignition Cycle, Crash (times)	6499

Rollover Crash Pulse (Most Recent Event, TRG 18)

Recording Status, Time Series Data	Incomplete
Time from TRG to Next Sample (msec)	0
RollAngle Peak (degrees)	0.0
Roll Angle at the Time of TRG (degrees)	0.0



Deployment Time Marker Key

1	Driver CSA
2	Passenger CSA
3	Driver Pretensioner Deployment
4	Passenger Pretensioner Deployment

Rollover Crash Pulse (Most Recent Event, TRG 18)

Time (msec)	Roll Rate (deg/s)	Lateral Acceleration for Rollover (m/s^2)
-80	0.0	0.0
-72	0.0	0.0
-64	0.0	0.0
-56	0.0	0.0
-48	0.0	0.0
-40	0.0	0.0
-32	0.0	0.0
-24	0.0	0.0
-16	0.0	0.0
-8	0.0	0.0
0	0.0	0.0
8	0.0	0.0
16	0.0	0.0
24	0.0	0.0
32	0.0	0.0
40	0.0	0.0
48	0.0	0.0
56	0.0	0.0
64	0.0	0.0
72	0.0	0.0
80	0.0	0.0
88	0.0	0.0
96	0.0	0.0
104	0.0	0.0
112	0.0	0.0
120	0.0	0.0
128	0.0	0.0
136	0.0	0.0
144	0.0	0.0
152	0.0	0.0
160	0.0	0.0
168	0.0	0.0
176	0.0	0.0
184	0.0	0.0
192	0.0	0.0
200	0.0	0.0
208	0.0	0.0
216	0.0	0.0
224	0.0	0.0
232	0.0	0.0

Pre-Crash Data -5 to 0 Seconds (Most Recent Event, TRG 18) - Table 1 of 4

Time (sec)	Vehicle Speed (MPH [km/h])	Accelerator Pedal, % Full (%)	Percentage of Engine Throttle (%)	Fuel Injection Quantity (mm ³ /st)	Engine RPM (RPM)	Motor RPM (RPM)	Service Brake, ON/OFF
-4.80	98.2 [158]	100.0	99.5	Invalid	5,300	Invalid	OFF
-4.30	99.4 [160]	100.0	99.5	Invalid	5,400	Invalid	OFF
-3.80	100.0 [161]	100.0	99.5	Invalid	5,400	Invalid	OFF
-3.30	98.8 [159]	100.0	38.5	Invalid	6,900	Invalid	OFF
-2.80	96.3 [155]	100.0	13.5	Invalid	6,500	Invalid	OFF
-2.30	93.2 [150]	100.0	41.5	Invalid	5,100	Invalid	OFF
-1.80	88.2 [142]	100.0	23.5	Invalid	6,700	Invalid	OFF
-1.30	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid
-0.80	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid
-0.30	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid
TRG(0)	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid

Pre-Crash Data -5 to 0 Seconds (Most Recent Event, TRG 18) - Table 2 of 4

Time (sec)	ABS Control Status	BOS Control Status	Brake Oil Pressure (Mpa)	Longitudinal Acceleration , VSC Sensor (m/s ²)	Yaw Rate (deg/s)	Steering Input (degrees)	Shift Position
-4.80	OFF	OFF	0.00	0.790	0.98	7.5	D
-4.30	OFF	OFF	0.00	0.861	1.46	9.0	Seq
-3.80	OFF	OFF	0.00	1.148	-1.46	4.5	N
-3.30	OFF	OFF	0.00	-0.574	-5.86	-25.5	N
-2.80	OFF	OFF	0.00	-1.148	-23.91	-88.5	D
-2.30	ON	OFF	0.05	-0.933	-3.90	-171.0	D
-1.80	OFF	OFF	0.00	-1.436	-17.08	-168.0	N
-1.30	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N
-0.80	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N
-0.30	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N
TRG(0)	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N

Pre-Crash Data -5 to 0 Seconds (Most Recent Event, TRG 18) - Table 3 of 4

Time (sec)	Sequential Shift Range	Cruise Control Status	VSC Control Status	READY Signal	Drive Mode, Power Train	Drive Mode, Snow	Drive Mode, EV
-4.80	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-4.30	5	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.80	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.30	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-2.80	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-2.30	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-1.80	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-1.30	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid
-0.80	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid
-0.30	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid
TRG(0)	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid

Pre-Crash Data -5 to 0 Seconds (Most Recent Event, TRG 18) - Table 4 of 4

Time (sec)	Drive mode select signal
-4.80	Normal
-4.30	Normal
-3.80	Normal
-3.30	Normal
-2.80	Normal
-2.30	Normal
-1.80	Normal
-1.30	Normal
-0.80	Normal
-0.30	Normal
TRG(0)	Normal

System Status at Event (1st Prior Event, TRG 17)

TRG Count (times)	17
Event Type	Side Crash
Previous Crash Type	Frontal/Rear/Side Crash
Time from Previous TRG (msec)	99.0
Freeze Signal	OFF
Freeze Signal Factor	None
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	424,100
Time count input system	Normal

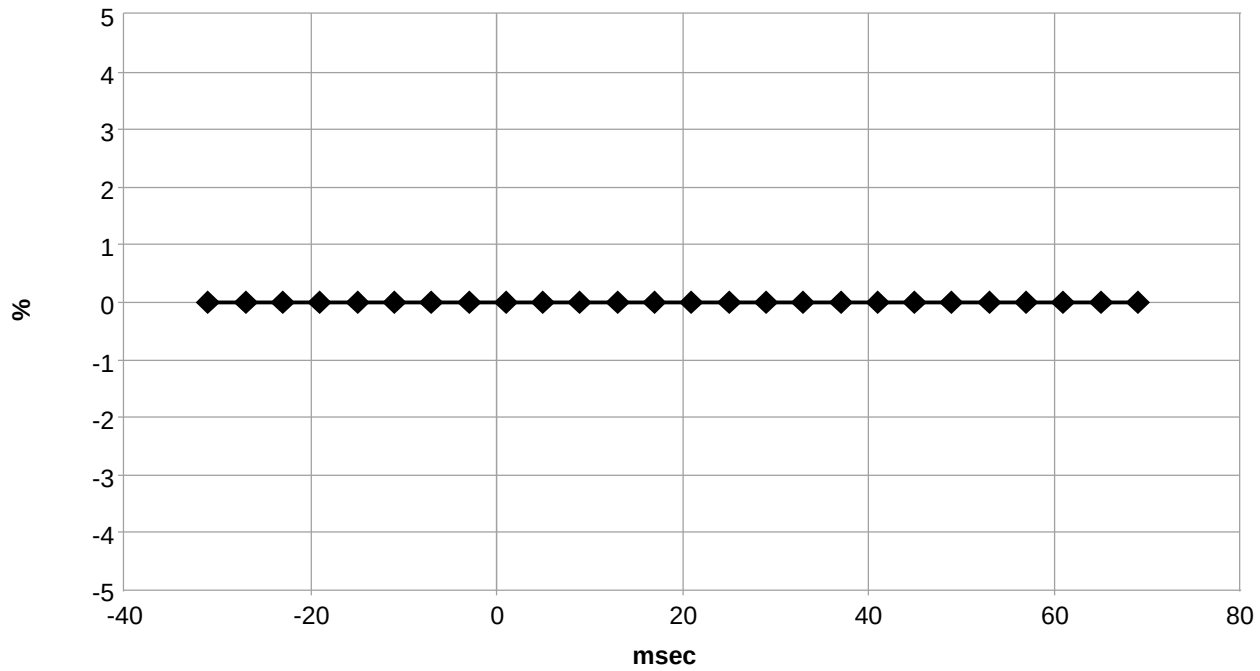
DTCs Present at Time of Event (1st Prior Event, TRG 17)

Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

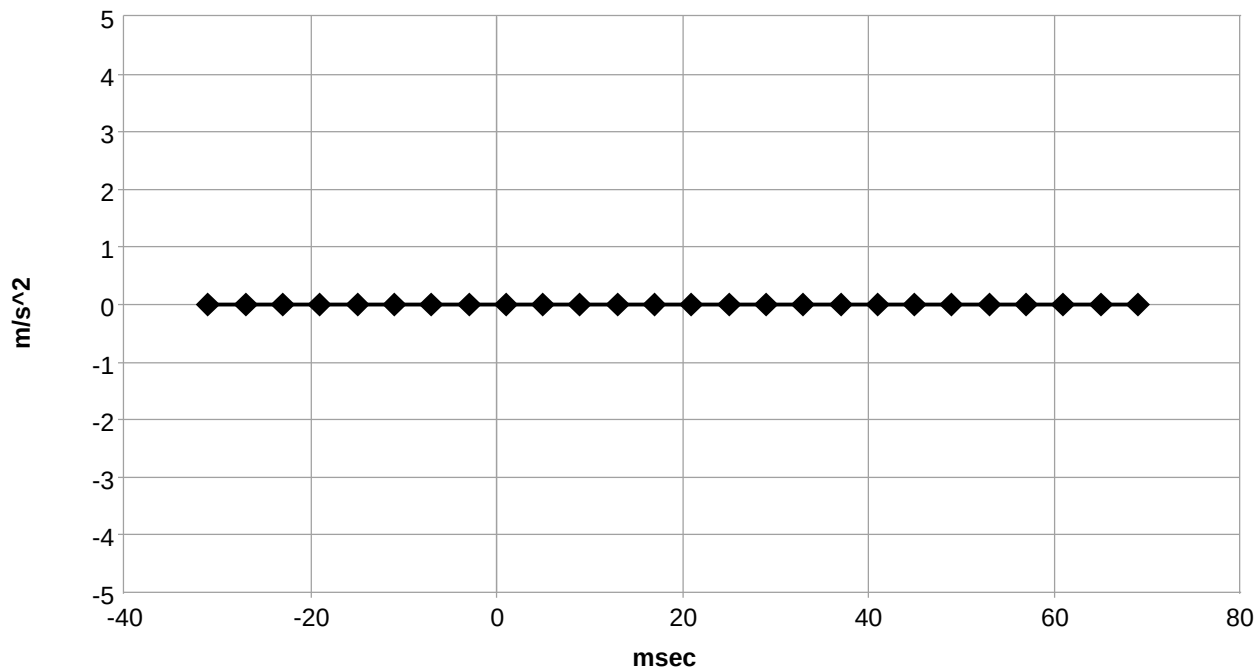
Lateral Crash Pulse (1st Prior Event, TRG 17)

Recording Status , Time Series Data	Complete
Time from TRG to Next Sample (msec)	1
Clipping Time, Rate of Change of Pressure, Side Satellite Sensor 1, L (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 2, L (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 3, L (msec)	SNA
Clipping Time, Lateral Acceleration, Side Satellite Sensor 4, L (msec)	No
Clipping Time, Rate of Change of Pressure, Side Satellite Sensor 1, R (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 2, R (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 3, R (msec)	SNA
Clipping Time, Lateral Acceleration, Side Satellite Sensor 4, R (msec)	No
Clipping Time, Lateral Acceleration, Floor Sensor (msec)	No

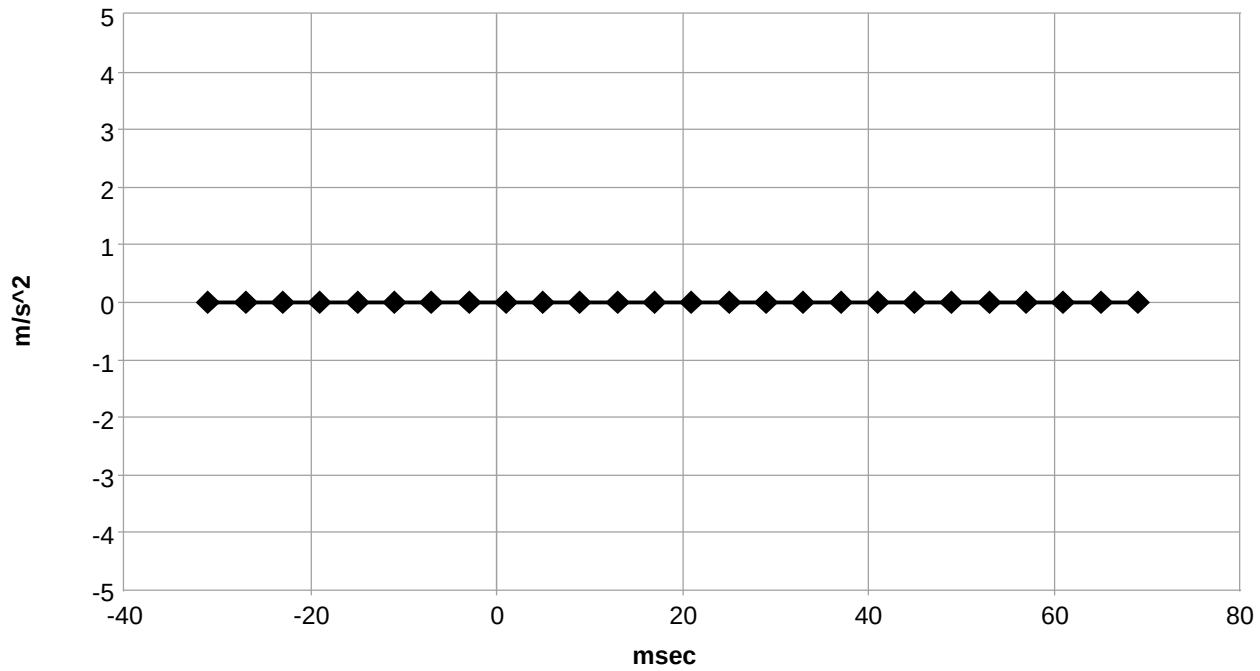
Rate of Change of Pressure, Side Satellite Sensor 1, L



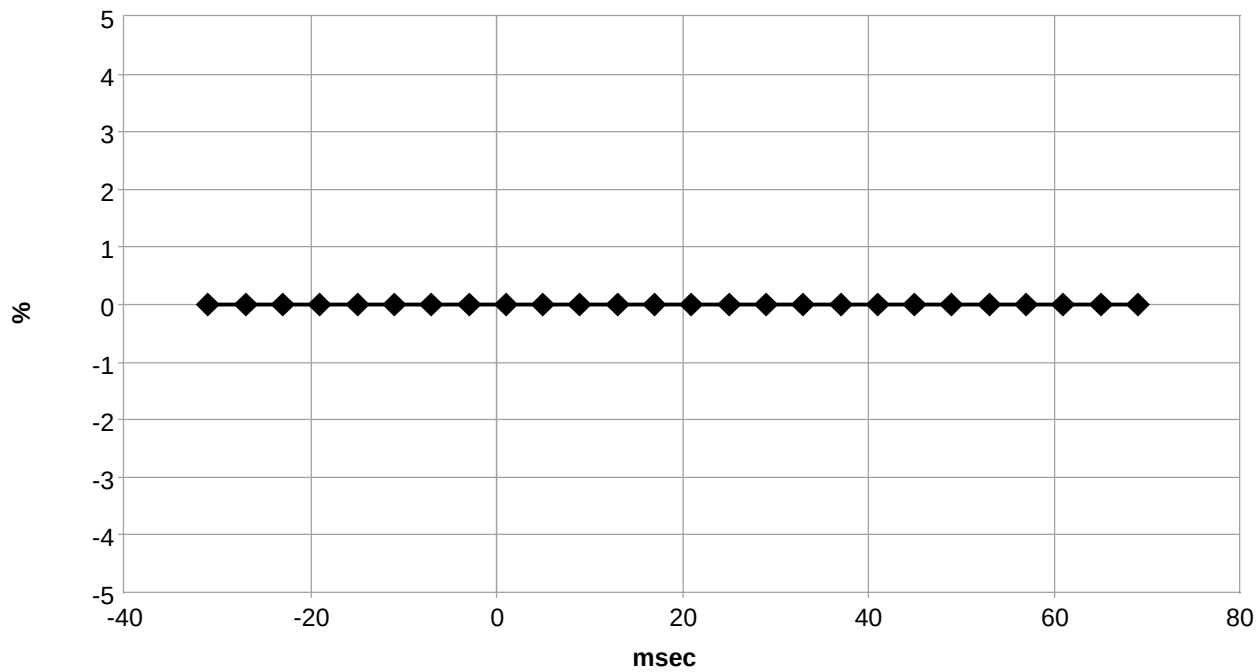
Lateral Acceleration, Side Satellite Sensor 2, L



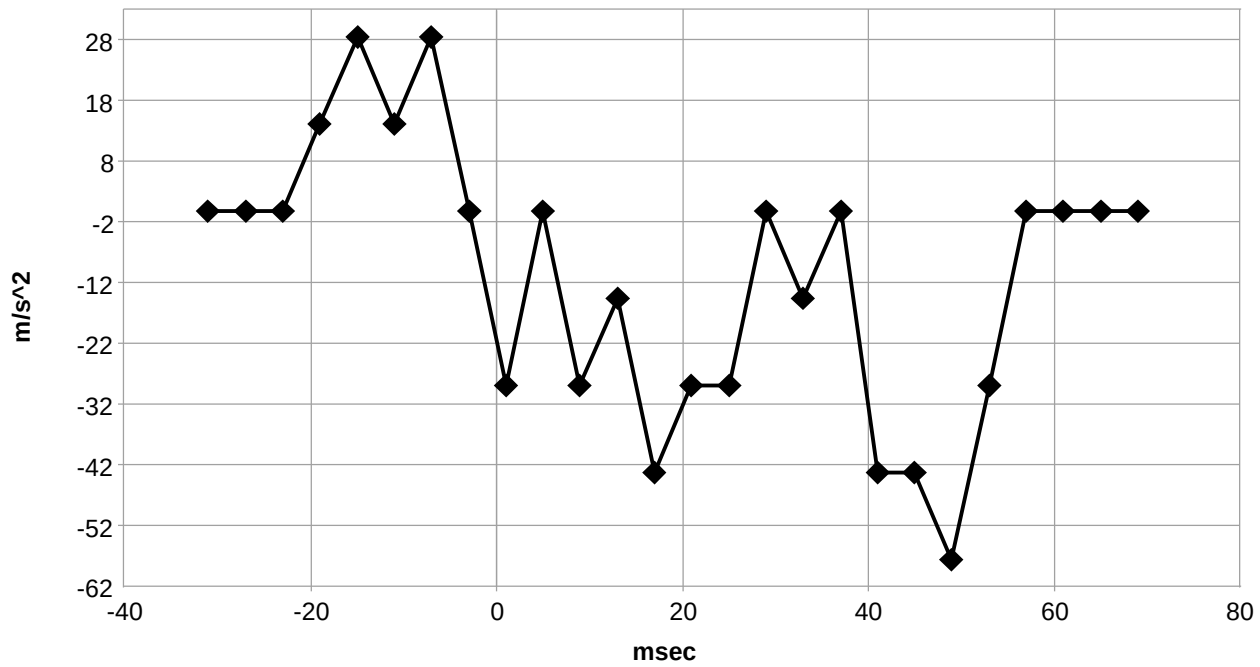
Lateral Acceleration, Side Satellite Sensor 4, L



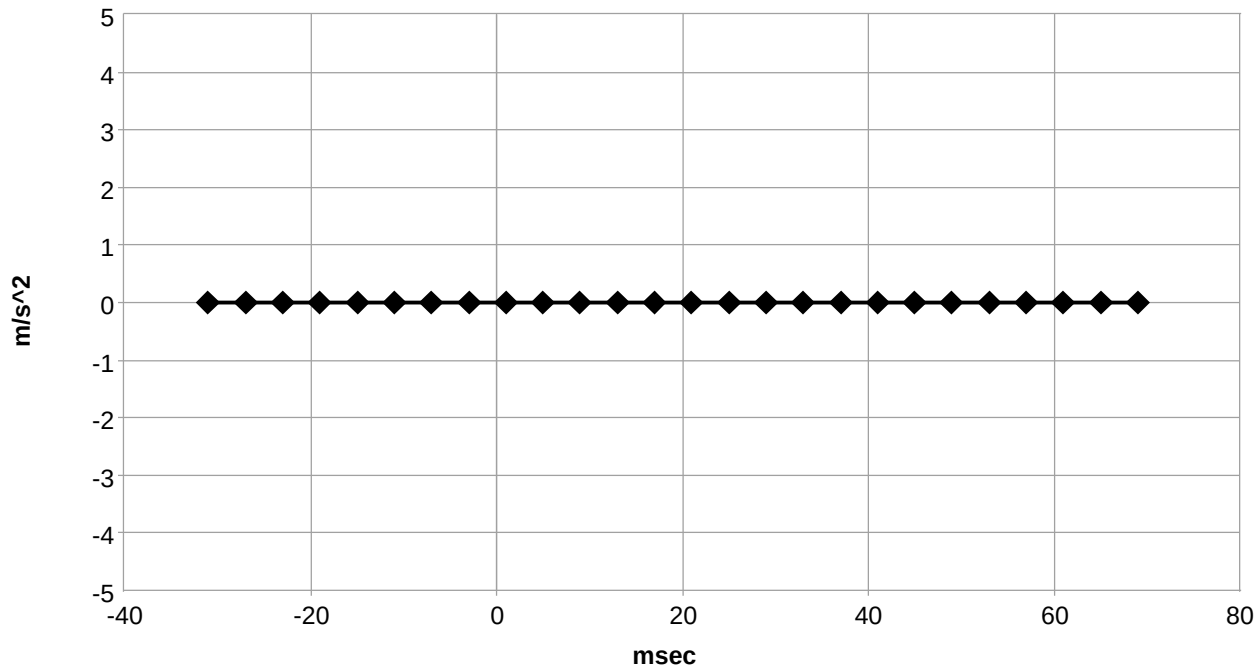
Rate of Change of Pressure, Side Satellite Sensor 1, R

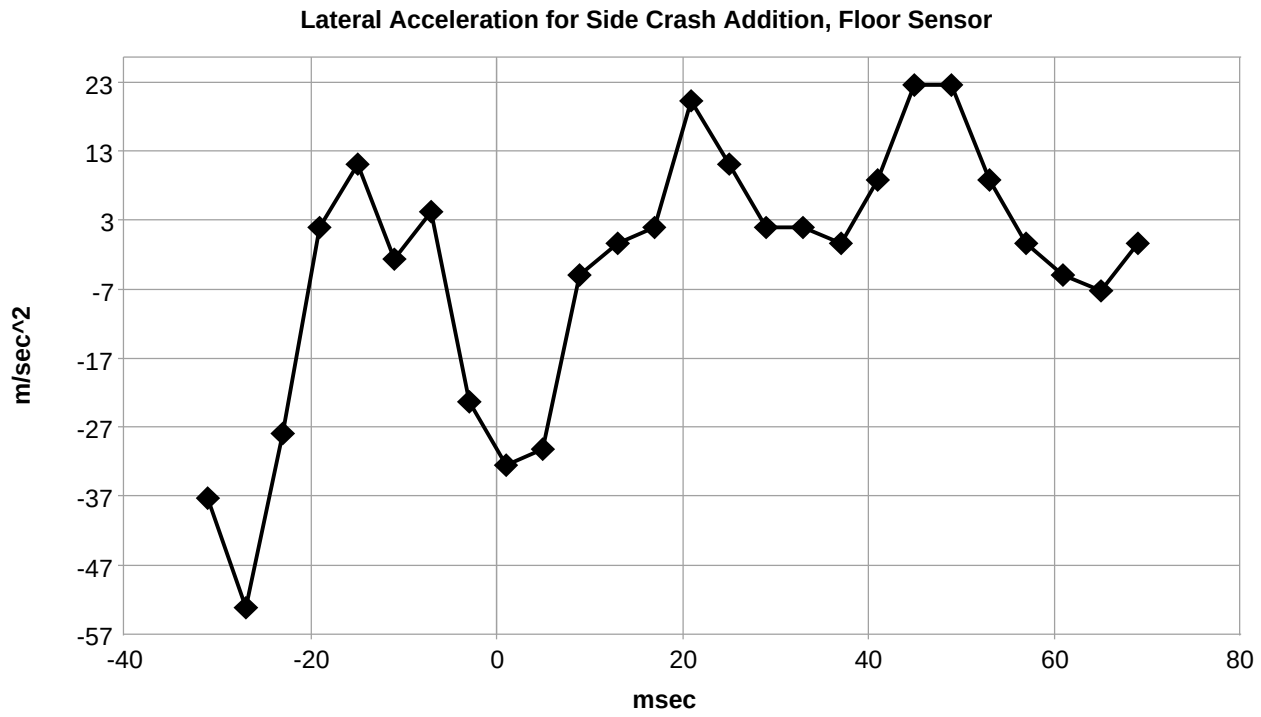


Lateral Acceleration, Side Satellite Sensor 2, R



Lateral Acceleration, Side Satellite Sensor 4, R





Lateral Crash Pulse (1st Prior Event, TRG 17) - Table 1 of 2

Time (msec)	Rate of Change of Pressure, Side Satellite Sensor 1, L (%)	Lateral Acceleration, Side Satellite Sensor 2, L (m/s^2)	Lateral Acceleration, Side Satellite Sensor 3, L (m/s^2)	Lateral Acceleration, Side Satellite Sensor 4, L (m/s^2)	Rate of Change of Pressure, Side Satellite Sensor 1, R (%)	Lateral Acceleration, Side Satellite Sensor 2, R (m/s^2)	Lateral Acceleration, Side Satellite Sensor 3, R (m/s^2)	Lateral Acceleration, Side Satellite Sensor 4, R (m/s^2)
-31	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-27	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-23	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-19	0.0	0.0	SNA	0.0	0.0	14.4	SNA	0.0
-15	0.0	0.0	SNA	0.0	0.0	28.7	SNA	0.0
-11	0.0	0.0	SNA	0.0	0.0	14.4	SNA	0.0
-7	0.0	0.0	SNA	0.0	0.0	28.7	SNA	0.0
-3	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
1	0.0	0.0	SNA	0.0	0.0	-28.7	SNA	0.0
5	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
9	0.0	0.0	SNA	0.0	0.0	-28.7	SNA	0.0
13	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
17	0.0	0.0	SNA	0.0	0.0	-43.1	SNA	0.0
21	0.0	0.0	SNA	0.0	0.0	-28.7	SNA	0.0
25	0.0	0.0	SNA	0.0	0.0	-28.7	SNA	0.0
29	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
33	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
37	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
41	0.0	0.0	SNA	0.0	0.0	-43.1	SNA	0.0
45	0.0	0.0	SNA	0.0	0.0	-43.1	SNA	0.0
49	0.0	0.0	SNA	0.0	0.0	-57.5	SNA	0.0
53	0.0	0.0	SNA	0.0	0.0	-28.7	SNA	0.0
57	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
61	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
65	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
69	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0

Lateral Crash Pulse (1st Prior Event, TRG 17) - Table 2 of 2

Time (msec)	Lateral Acceleration for Side Crash Addition, Floor Sensor (m/s^2)
-31	-36.8
-27	-52.8
-23	-27.6
-19	2.3
-15	11.5
-11	-2.3
-7	4.6
-3	-23.0
1	-32.2
5	-29.9
9	-4.6
13	0.0
17	2.3
21	20.7
25	11.5
29	2.3
33	2.3
37	0.0
41	9.2
45	23.0
49	23.0
53	9.2
57	0.0
61	-4.6
65	-6.9
69	0.0

System Status at Event (2nd Prior Event, TRG 16)

TRG Count (times)	16
Event Type	Frontal/Rear/Side Crash
Previous Crash Type	Side Crash
Time from Previous TRG (msec)	5.5
Time from Time Zero to TRG (msec)	9.5
Event Establishment Factor	Rear Crash
TRG Establishment Factor	Side Crash, Right
Freeze Signal	ON
Freeze Signal Factor	Side Airbag Deployment, Right Side
Recording Status , Front/Rear and Side Crash Info.	Complete
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	424,000
Time count input system	Normal

Deployment Command Data (2nd Prior Event, TRG 16)

Active Head Restraint, Time to Deploy, Driver (msec)	SNA
Active Head Restraint, Time to Deploy, Front Passenger (msec)	SNA
Frontal Airbag Deployment, Time to 1st Stage Deployment, Driver (msec)	No
Frontal Airbag Deployment, Time to 1st Stage Deployment, Front Passenger (msec)	No
Frontal Airbag Deployment, Time to 2nd Stage, Driver (msec)	No
Frontal Airbag Deployment, Time to 2nd Stage, Front Passenger (msec)	No
Pretensioner Deployment, Time to Fire, 1st Seat, Driver (msec)	No
Pretensioner Deployment, Time to Fire, 1st Seat, Passenger (msec)	9.5
Pretensioner Deployment, Time to Fire, 2nd Seat, Driver (msec)	No
Pretensioner Deployment, Time to Fire, 2nd Seat, Passenger (msec)	9.5
Rear Window Airbag Deployment, Time to Deploy (msec)	SNA
Side Airbag Deployment, Time to Deploy, 1st Seat, Driver (msec)	No
Side Airbag Deployment, Time to Deploy, 1st Seat, Passenger (msec)	9.5
Side Airbag Deployment, Time to Deploy, 2nd Seat, Driver (msec)	No
Side Airbag Deployment, Time to Deploy, 2nd Seat, Passenger (msec)	9.5
Side Curtain Airbag Deployment, Time to Deploy, Driver (msec)	No
Side Curtain Airbag Deployment, Time to Deploy, Passenger (msec)	9.5

DTCs Present at Time of Event (2nd Prior Event, TRG 16)

Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

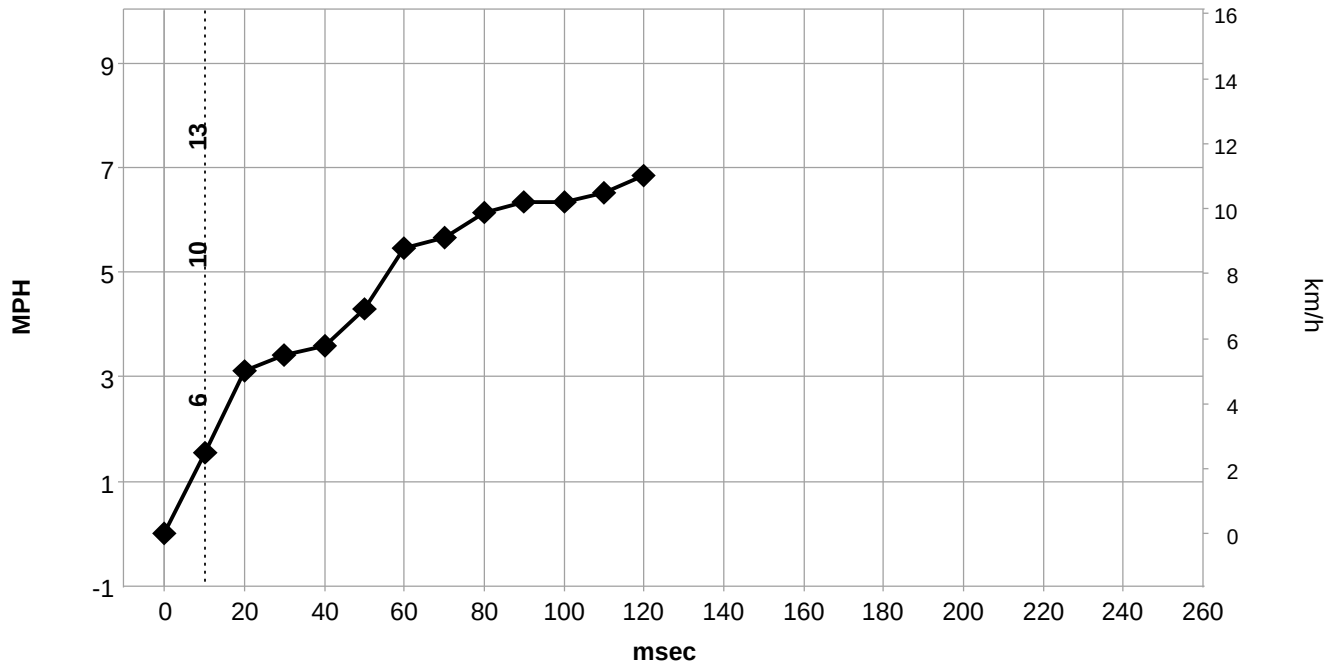
Pre-Crash Data, 1 Sample (2nd Prior Event, TRG 16)

Recording Status, Occupant	Complete
Recording Status, Pre-Crash	Complete
Time from Pre-Crash to TRG (msec)	500
Safety Belt Status, Driver	ON
Safety Belt Status, Front Passenger	ON
Occupant Size Classification, Front Passenger	AF05 (Not Child)
Frontal Airbag Suppression Switch Status, Front Passenger	SNA
RSCA Disable Switch	SNA
Seat Track Position Switch, Foremost, Status, Driver	Yes
Airbag Warning Lamp, On/Off	ON
Ignition Cycle, Crash (times)	6499

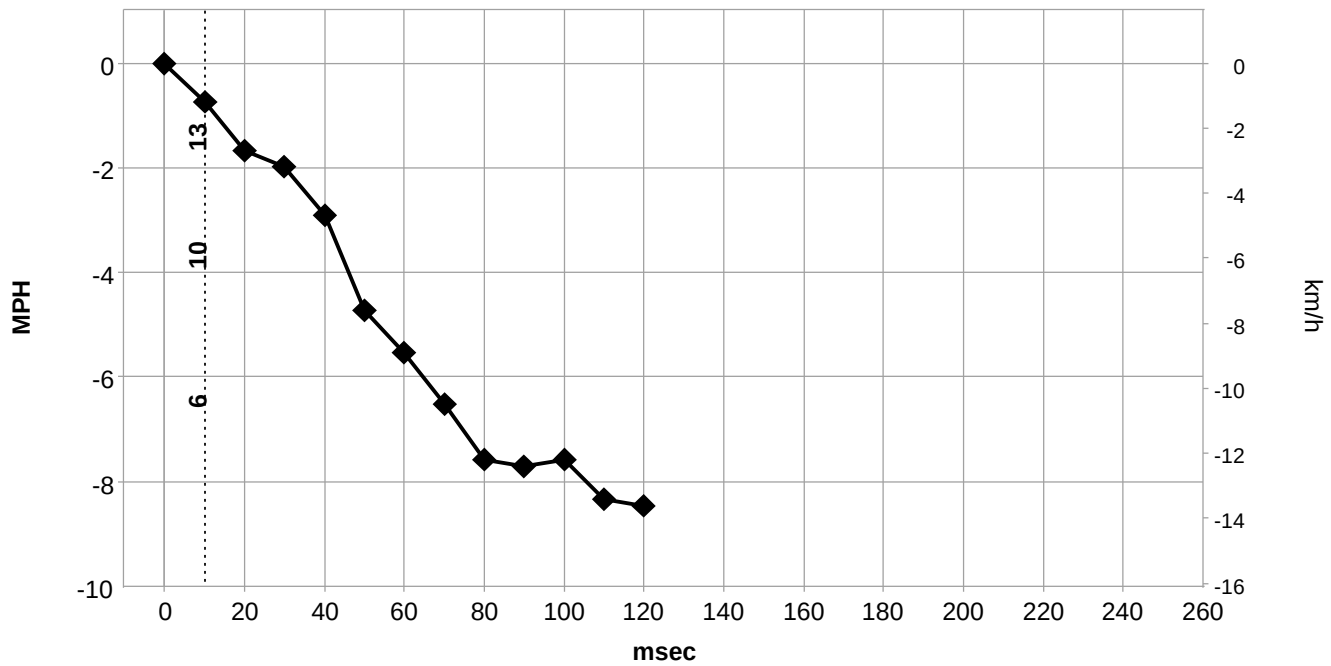
Longitudinal/Lateral Crash Pulse (2nd Prior Event, TRG 16)

Recording Status , Time Series Data	Complete
Power Supply Status at the time of Max. Delta-V	OFF
Maximum Delta-V, Longitudinal (MPH [km/h])	7.5 [12.1]
Time, Maximum Delta-V, Longitudinal (msec)	128.5
Clipping Time, Longitudinal Delta-V (msec)	No
Clipping Time, Lateral Delta-V (msec)	No
Length of Delta-V (msec)	120

Delta-V, Longitudinal



Delta-V, Lateral



Deployment Time Marker Key

1	Driver Airbag Deployment Time
2	Passenger Airbag Deployment Time
3	Driver 2nd Stage Airbag Deployment
4	Passenger 2nd Stage Airbag
5	Driver Pretensioner Deployment
6	Passenger Pretensioner Deployment
7	Driver AHR
8	Passenger AHR
9	Driver CSA
10	Passenger CSA
11	Rear Window Airbag Deployment
12	Driver SAB
13	Passenger SAB

Longitudinal/Lateral Crash Pulse (2nd Prior Event, TRG 16)

Time (msec)	Delta-V, Longitudinal (MPH [km/h])	Delta-V, Lateral (MPH [km/h])	Power Supply Status
0	0.0 [0.0]	0.0 [0.0]	OFF
10	1.6 [2.5]	-0.7 [-1.2]	OFF
20	3.1 [5.0]	-1.7 [-2.7]	OFF
30	3.4 [5.5]	-2.0 [-3.2]	OFF
40	3.6 [5.8]	-2.9 [-4.7]	OFF
50	4.3 [6.9]	-4.7 [-7.6]	OFF
60	5.5 [8.8]	-5.5 [-8.9]	OFF
70	5.7 [9.1]	-6.5 [-10.5]	OFF
80	6.2 [9.9]	-7.6 [-12.2]	OFF
90	6.3 [10.2]	-7.7 [-12.4]	OFF
100	6.3 [10.2]	-7.6 [-12.2]	OFF
110	6.5 [10.5]	-8.3 [-13.4]	OFF
120	6.8 [11.0]	-8.5 [-13.6]	OFF
130	0.0 [0.0]	0.0 [0.0]	ON
140	0.0 [0.0]	0.0 [0.0]	ON
150	0.0 [0.0]	0.0 [0.0]	ON
160	0.0 [0.0]	0.0 [0.0]	ON
170	0.0 [0.0]	0.0 [0.0]	ON
180	0.0 [0.0]	0.0 [0.0]	ON
190	0.0 [0.0]	0.0 [0.0]	ON
200	0.0 [0.0]	0.0 [0.0]	ON
210	0.0 [0.0]	0.0 [0.0]	ON
220	0.0 [0.0]	0.0 [0.0]	ON
230	0.0 [0.0]	0.0 [0.0]	ON
240	0.0 [0.0]	0.0 [0.0]	ON
250	0.0 [0.0]	0.0 [0.0]	ON

Pre-Crash Data -5 to 0 Seconds (2nd Prior Event, TRG 16) - Table 1 of 4

Time (sec)	Vehicle Speed (MPH [km/h])	Accelerator Pedal, % Full (%)	Percentage of Engine Throttle (%)	Fuel Injection Quantity (mm ³ /st)	Engine RPM (RPM)	Motor RPM (RPM)	Service Brake, ON/OFF
-5.00	97.6 [157]	100.0	99.5	Invalid	5,300	Invalid	OFF
-4.50	98.2 [158]	100.0	99.5	Invalid	5,300	Invalid	OFF
-4.00	99.4 [160]	100.0	99.5	Invalid	5,400	Invalid	OFF
-3.50	100.0 [161]	100.0	99.5	Invalid	5,400	Invalid	OFF
-3.00	98.8 [159]	100.0	38.5	Invalid	6,900	Invalid	OFF
-2.50	96.3 [155]	100.0	13.5	Invalid	6,500	Invalid	OFF
-2.00	93.2 [150]	100.0	41.5	Invalid	5,100	Invalid	OFF
-1.50	88.2 [142]	100.0	23.5	Invalid	6,700	Invalid	OFF
-1.00	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid
-0.50	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid
TRG(0)	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid

Pre-Crash Data -5 to 0 Seconds (2nd Prior Event, TRG 16) - Table 2 of 4

Time (sec)	ABS Control Status	BOS Control Status	Brake Oil Pressure (Mpa)	Longitudinal Acceleration , VSC Sensor (m/s ²)	Yaw Rate (deg/s)	Steering Input (degrees)	Shift Position
-5.00	OFF	OFF	0.00	0.790	-1.46	4.5	D
-4.50	OFF	OFF	0.00	0.790	0.98	7.5	D
-4.00	OFF	OFF	0.00	0.861	1.46	9.0	Seq
-3.50	OFF	OFF	0.00	1.148	-1.46	4.5	N
-3.00	OFF	OFF	0.00	-0.574	-5.86	-25.5	N
-2.50	OFF	OFF	0.00	-1.148	-23.91	-88.5	D
-2.00	ON	OFF	0.05	-0.933	-3.90	-171.0	D
-1.50	OFF	OFF	0.00	-1.436	-17.08	-168.0	N
-1.00	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N
-0.50	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N
TRG(0)	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N

Pre-Crash Data -5 to 0 Seconds (2nd Prior Event, TRG 16) - Table 3 of 4

Time (sec)	Sequential Shift Range	Cruise Control Status	VSC Control Status	READY Signal	Drive Mode, Power Train	Drive Mode, Snow	Drive Mode, EV
-5.00	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-4.50	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-4.00	5	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.50	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.00	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-2.50	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-2.00	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-1.50	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-1.00	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid
-0.50	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid
TRG(0)	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid

Pre-Crash Data -5 to 0 Seconds (2nd Prior Event, TRG 16) - Table 4 of 4

Time (sec)	Drive mode select signal
-5.00	Normal
-4.50	Normal
-4.00	Normal
-3.50	Normal
-3.00	Normal
-2.50	Normal
-2.00	Normal
-1.50	Normal
-1.00	Normal
-0.50	Normal
TRG(0)	Normal

System Status at Event (3rd Prior Event, TRG 15)

TRG Count (times)	15
Event Type	Side Crash
Previous Crash Type	Side Crash
Time from Previous TRG (msec)	362.5
Freeze Signal	ON
Freeze Signal Factor	Side Airbag Deployment, Right Side
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	424,000
Time count input system	Normal

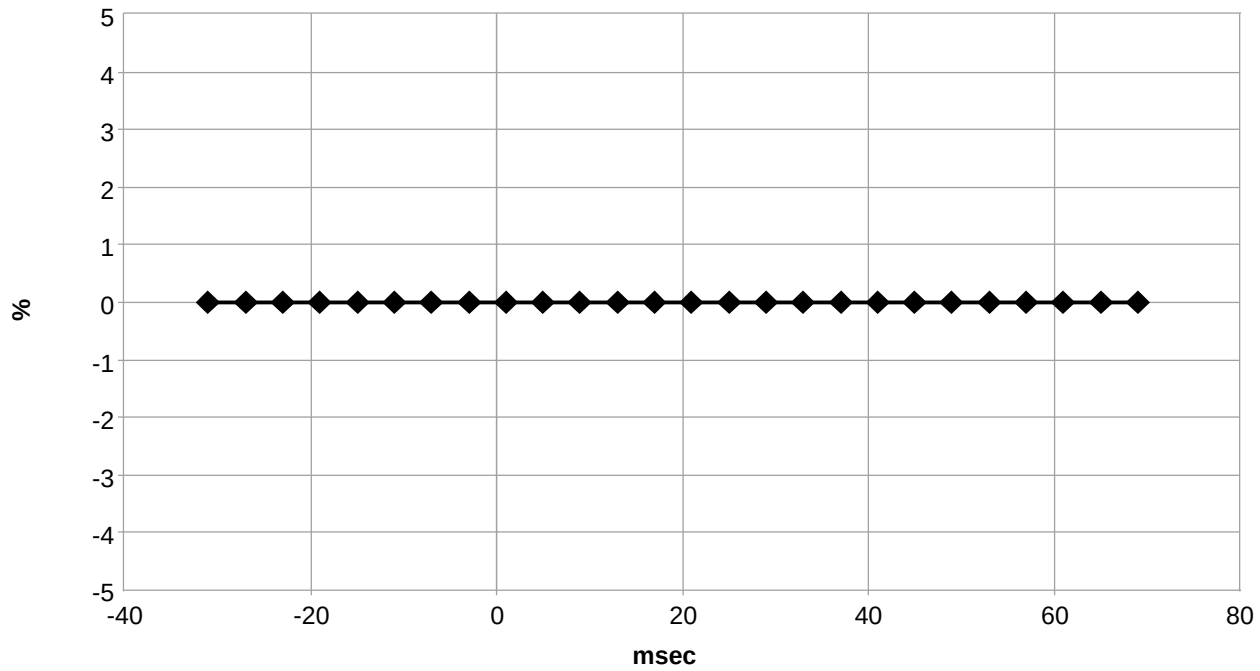
DTCs Present at Time of Event (3rd Prior Event, TRG 15)

Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

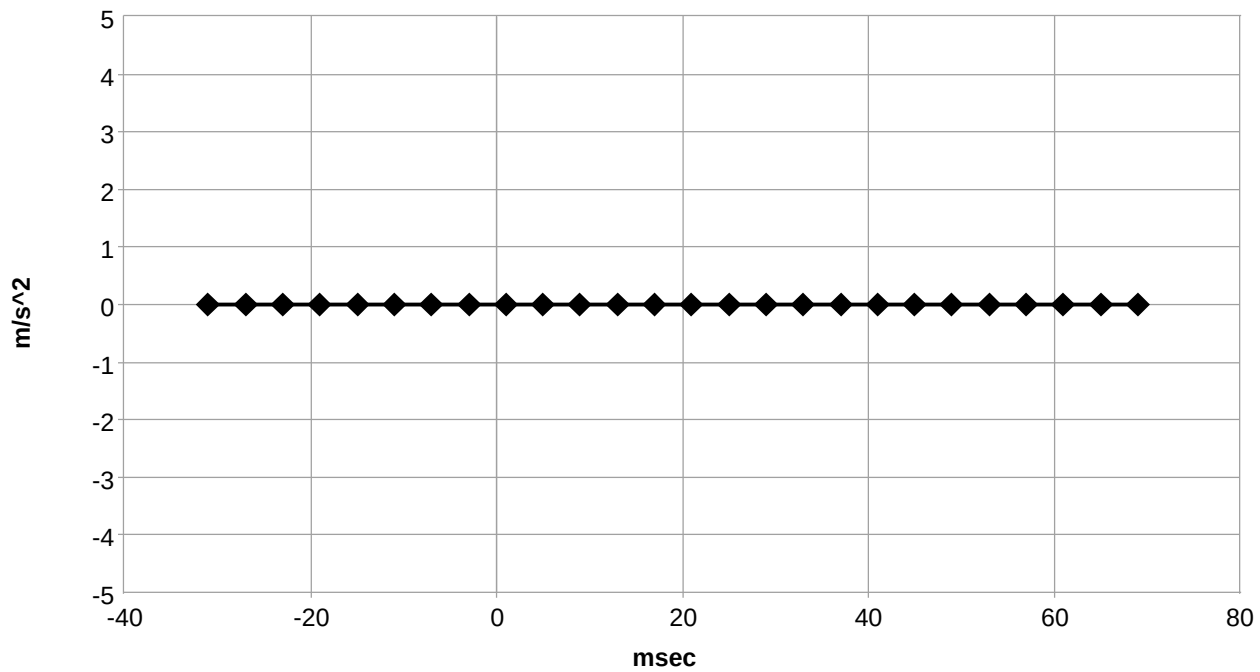
Lateral Crash Pulse (3rd Prior Event, TRG 15)

Recording Status , Time Series Data	Complete
Time from TRG to Next Sample (msec)	1
Clipping Time, Rate of Change of Pressure, Side Satellite Sensor 1, L (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 2, L (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 3, L (msec)	SNA
Clipping Time, Lateral Acceleration, Side Satellite Sensor 4, L (msec)	No
Clipping Time, Rate of Change of Pressure, Side Satellite Sensor 1, R (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 2, R (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 3, R (msec)	SNA
Clipping Time, Lateral Acceleration, Side Satellite Sensor 4, R (msec)	No
Clipping Time, Lateral Acceleration, Floor Sensor (msec)	No

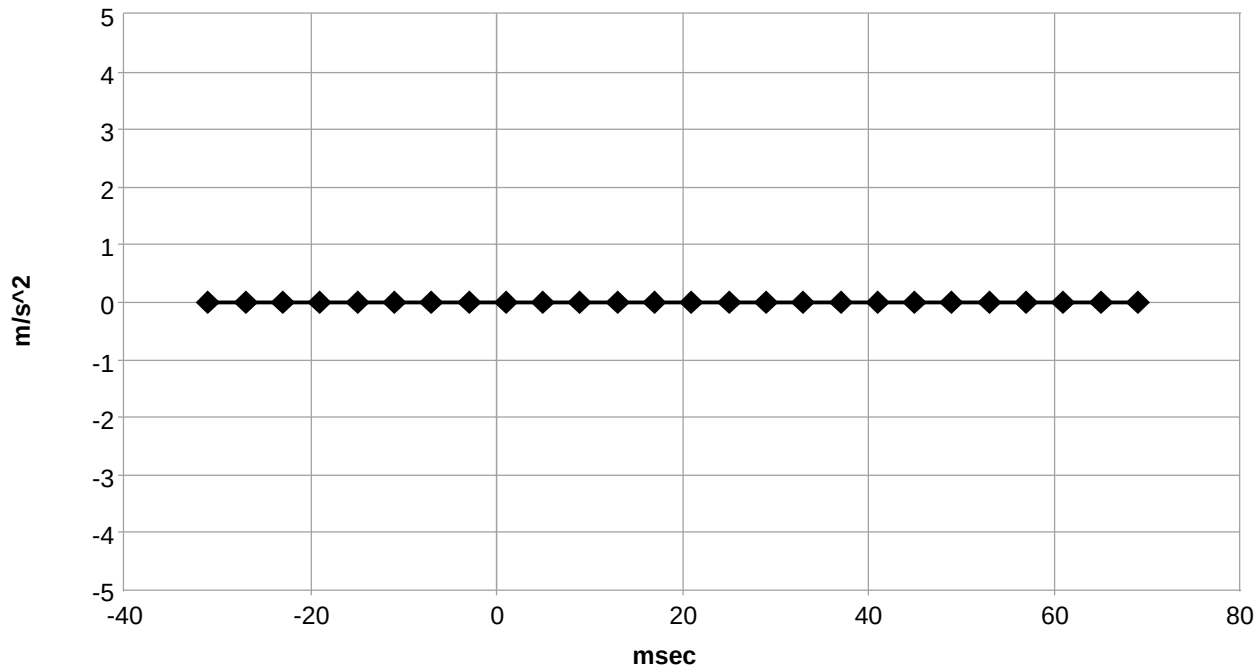
Rate of Change of Pressure, Side Satellite Sensor 1, L



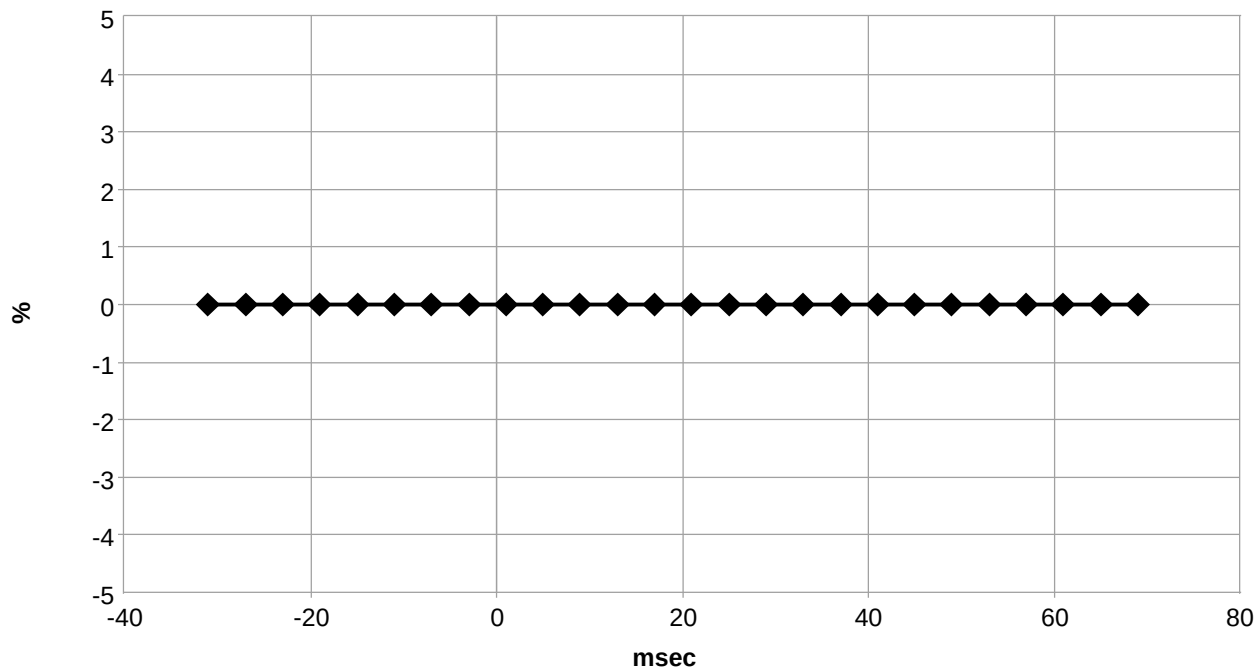
Lateral Acceleration, Side Satellite Sensor 2, L



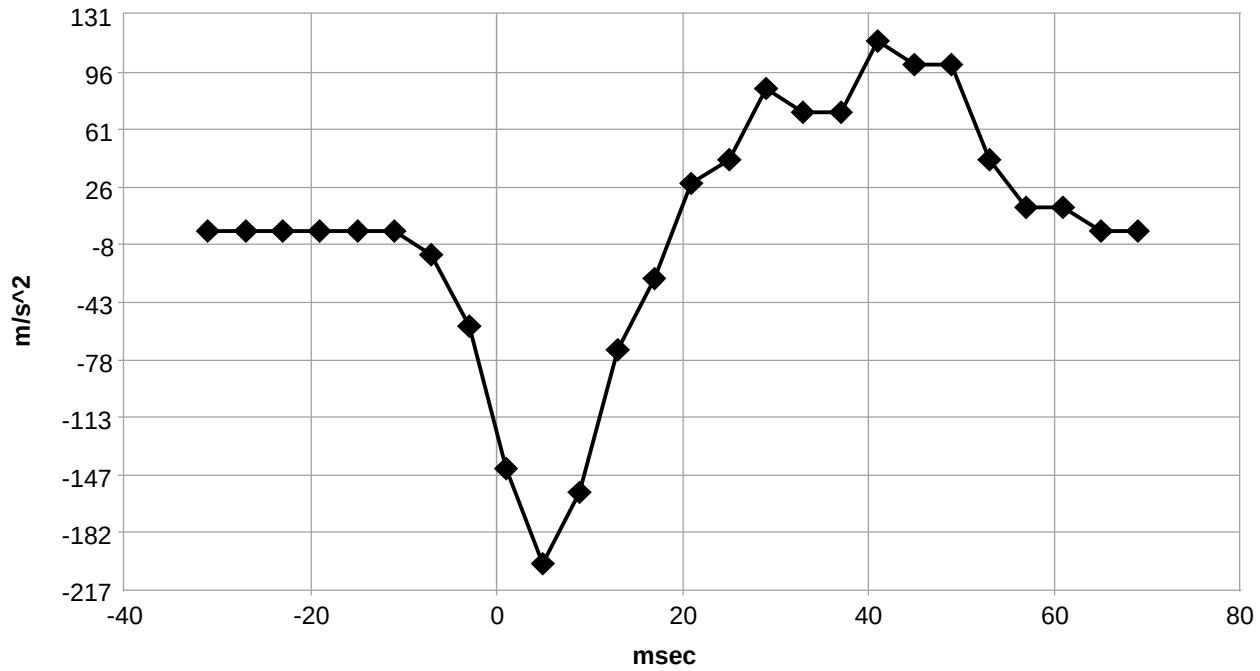
Lateral Acceleration, Side Satellite Sensor 4, L



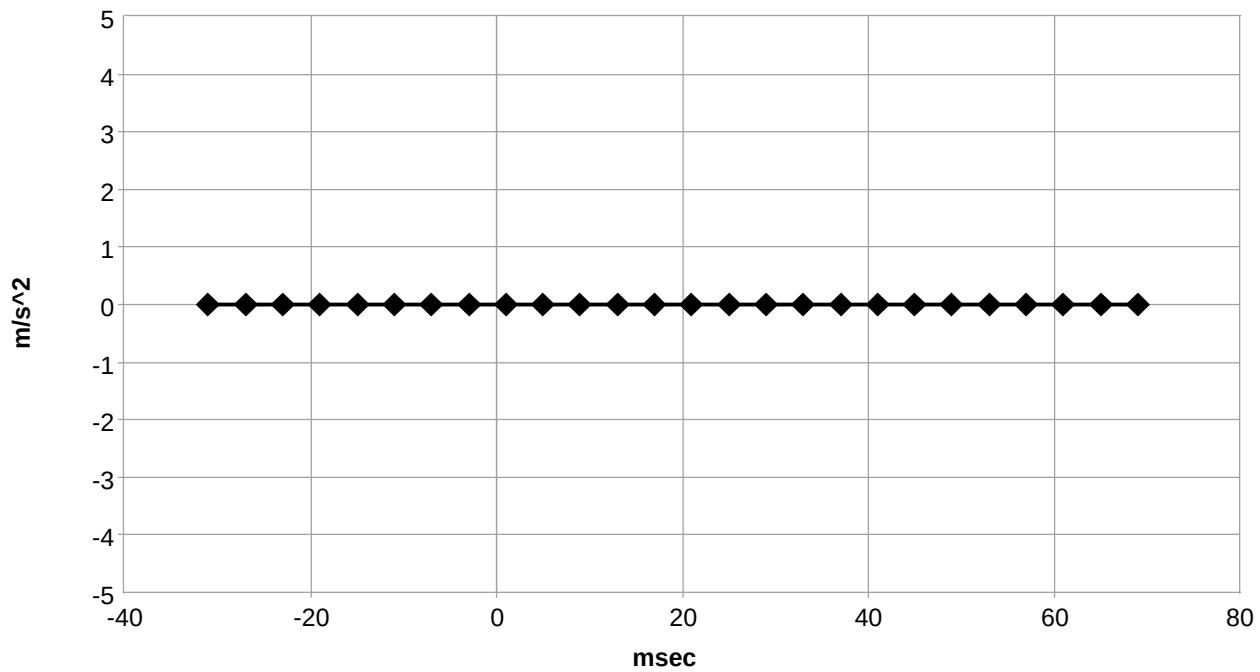
Rate of Change of Pressure, Side Satellite Sensor 1, R

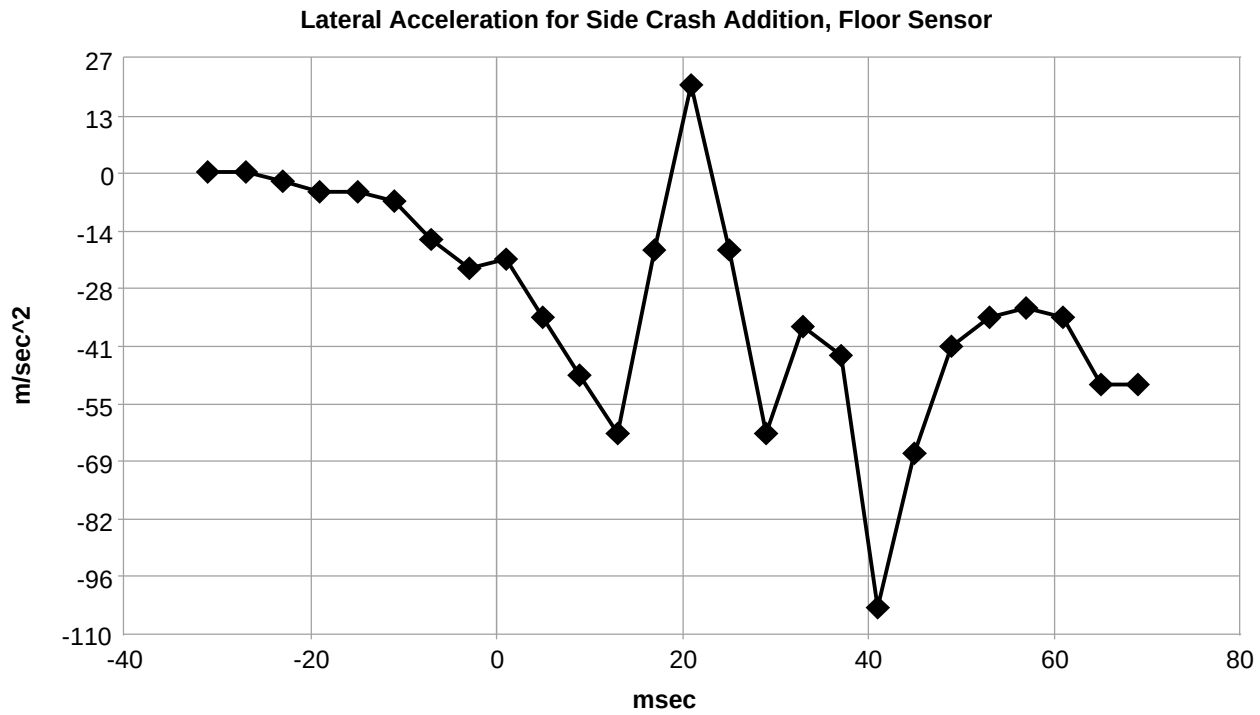


Lateral Acceleration, Side Satellite Sensor 2, R



Lateral Acceleration, Side Satellite Sensor 4, R





Lateral Crash Pulse (3rd Prior Event, TRG 15) - Table 1 of 2

Time (msec)	Rate of Change of Pressure, Side Satellite Sensor 1, L (%)	Lateral Acceleration, Side Satellite Sensor 2, L (m/s^2)	Lateral Acceleration, Side Satellite Sensor 3, L (m/s^2)	Lateral Acceleration, Side Satellite Sensor 4, L (m/s^2)	Rate of Change of Pressure, Side Satellite Sensor 1, R (%)	Lateral Acceleration, Side Satellite Sensor 2, R (m/s^2)	Lateral Acceleration, Side Satellite Sensor 3, R (m/s^2)	Lateral Acceleration, Side Satellite Sensor 4, R (m/s^2)
-31	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-27	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-23	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-19	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-15	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-11	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-7	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
-3	0.0	0.0	SNA	0.0	0.0	-57.5	SNA	0.0
1	0.0	0.0	SNA	0.0	0.0	-143.7	SNA	0.0
5	0.0	0.0	SNA	0.0	0.0	-201.2	SNA	0.0
9	0.0	0.0	SNA	0.0	0.0	-158.1	SNA	0.0
13	0.0	0.0	SNA	0.0	0.0	-71.9	SNA	0.0
17	0.0	0.0	SNA	0.0	0.0	-28.7	SNA	0.0
21	0.0	0.0	SNA	0.0	0.0	28.7	SNA	0.0
25	0.0	0.0	SNA	0.0	0.0	43.1	SNA	0.0
29	0.0	0.0	SNA	0.0	0.0	86.2	SNA	0.0
33	0.0	0.0	SNA	0.0	0.0	71.9	SNA	0.0
37	0.0	0.0	SNA	0.0	0.0	71.9	SNA	0.0
41	0.0	0.0	SNA	0.0	0.0	115.0	SNA	0.0
45	0.0	0.0	SNA	0.0	0.0	100.6	SNA	0.0
49	0.0	0.0	SNA	0.0	0.0	100.6	SNA	0.0
53	0.0	0.0	SNA	0.0	0.0	43.1	SNA	0.0
57	0.0	0.0	SNA	0.0	0.0	14.4	SNA	0.0
61	0.0	0.0	SNA	0.0	0.0	14.4	SNA	0.0
65	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
69	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0

Lateral Crash Pulse (3rd Prior Event, TRG 15) - Table 2 of 2

Time (msec)	Lateral Acceleration for Side Crash Addition, Floor Sensor (m/s^2)
-31	0.0
-27	0.0
-23	-2.3
-19	-4.6
-15	-4.6
-11	-6.9
-7	-16.1
-3	-23.0
1	-20.7
5	-34.5
9	-48.2
13	-62.0
17	-18.4
21	20.7
25	-18.4
29	-62.0
33	-36.8
37	-43.6
41	-103.4
45	-66.6
49	-41.4
53	-34.5
57	-32.2
61	-34.5
65	-50.5
69	-50.5

System Status at Event (4th Prior Event, TRG 14)

TRG Count (times)	14
Event Type	Side Crash
Previous Crash Type	Side Crash
Time from Previous TRG (msec)	318.5
Freeze Signal	OFF
Freeze Signal Factor	None
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	423,700
Time count input system	Normal

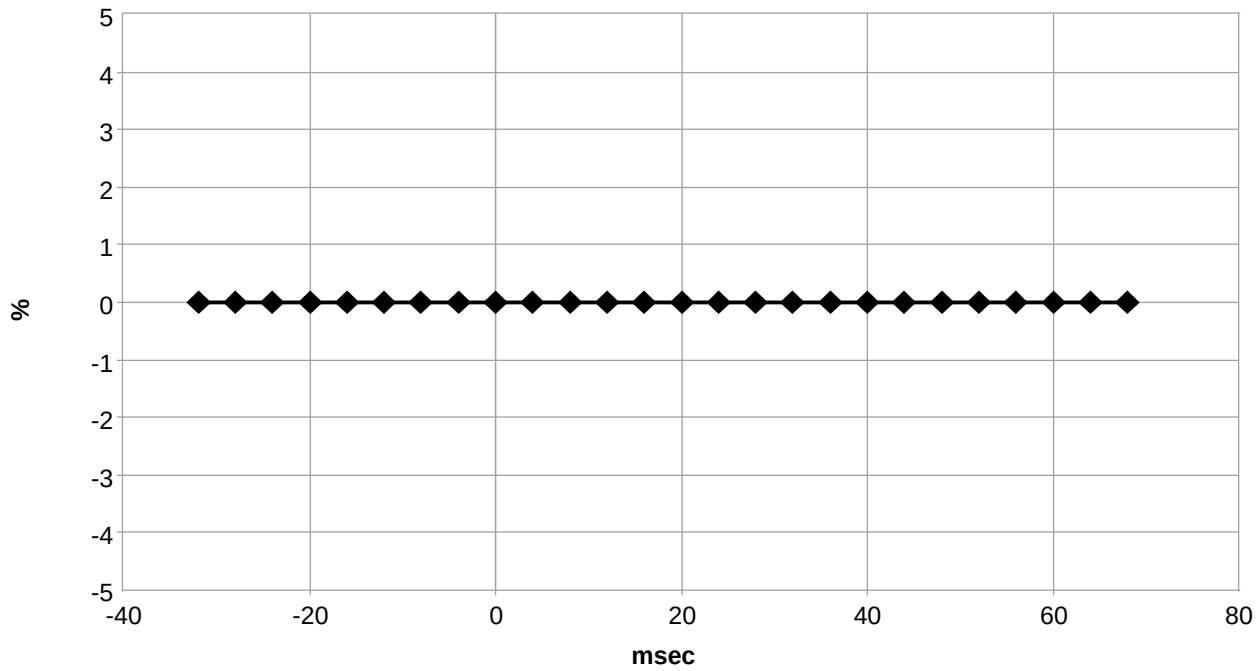
DTCs Present at Time of Event (4th Prior Event, TRG 14)

Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

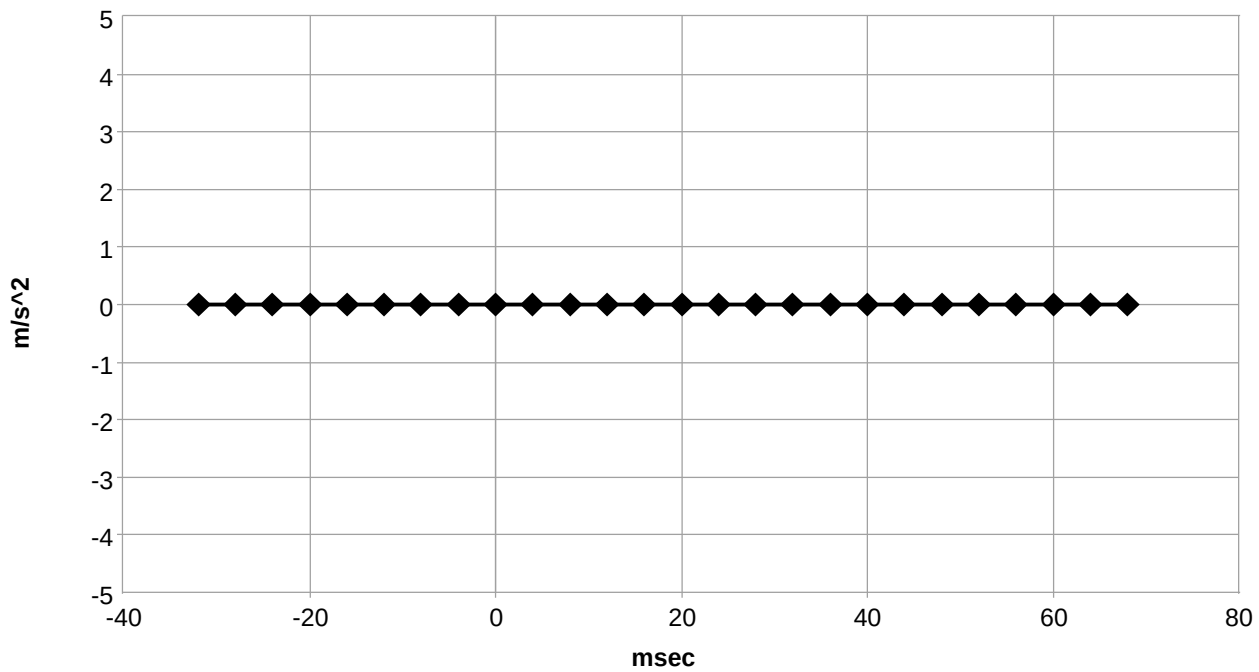
Lateral Crash Pulse (4th Prior Event, TRG 14)

Recording Status , Time Series Data	Complete
Time from TRG to Next Sample (msec)	0
Clipping Time, Rate of Change of Pressure, Side Satellite Sensor 1, L (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 2, L (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 3, L (msec)	SNA
Clipping Time, Lateral Acceleration, Side Satellite Sensor 4, L (msec)	No
Clipping Time, Rate of Change of Pressure, Side Satellite Sensor 1, R (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 2, R (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 3, R (msec)	SNA
Clipping Time, Lateral Acceleration, Side Satellite Sensor 4, R (msec)	No
Clipping Time, Lateral Acceleration, Floor Sensor (msec)	No

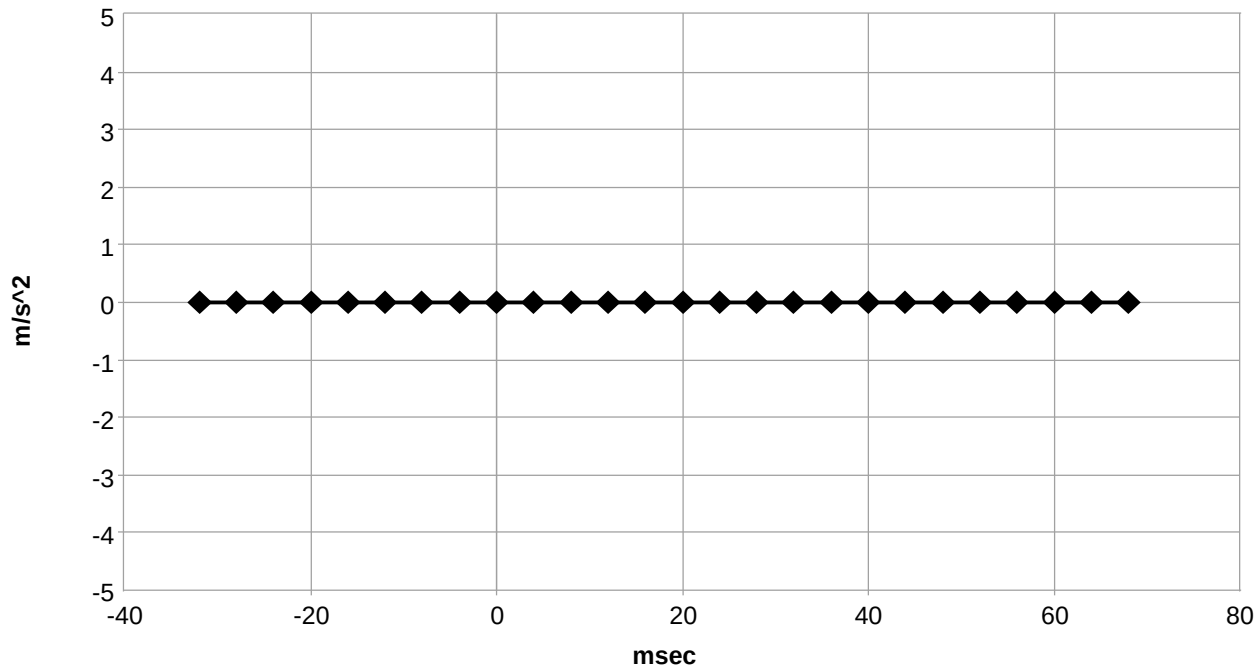
Rate of Change of Pressure, Side Satellite Sensor 1, L



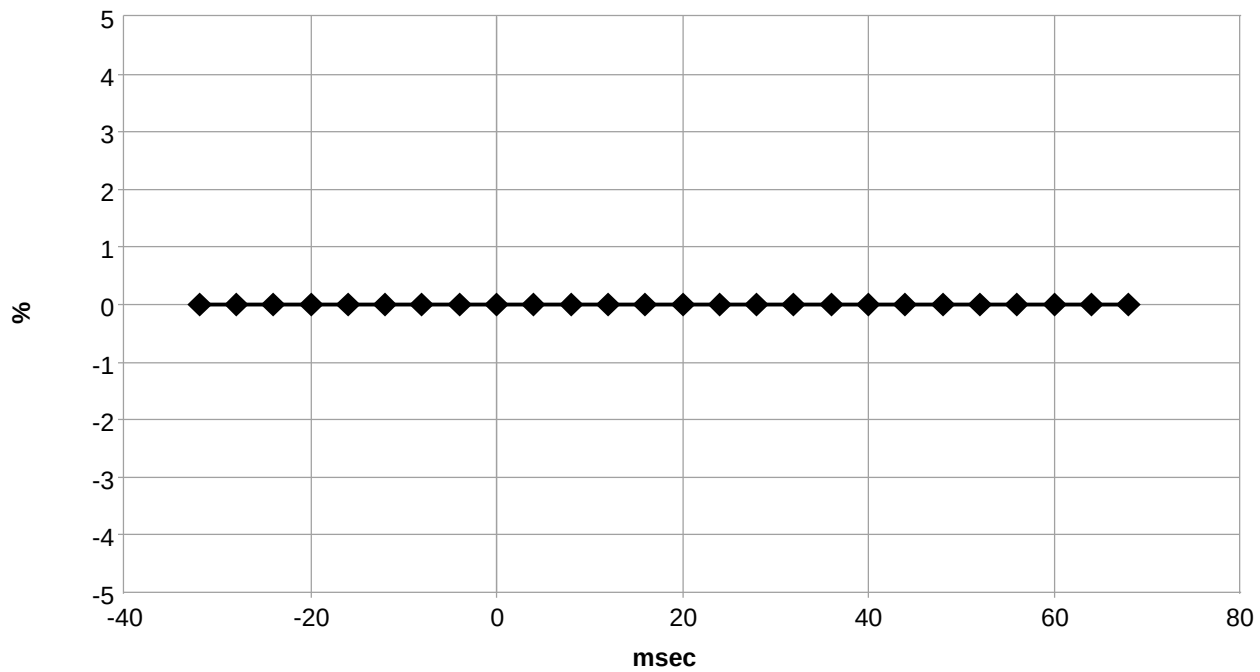
Lateral Acceleration, Side Satellite Sensor 2, L



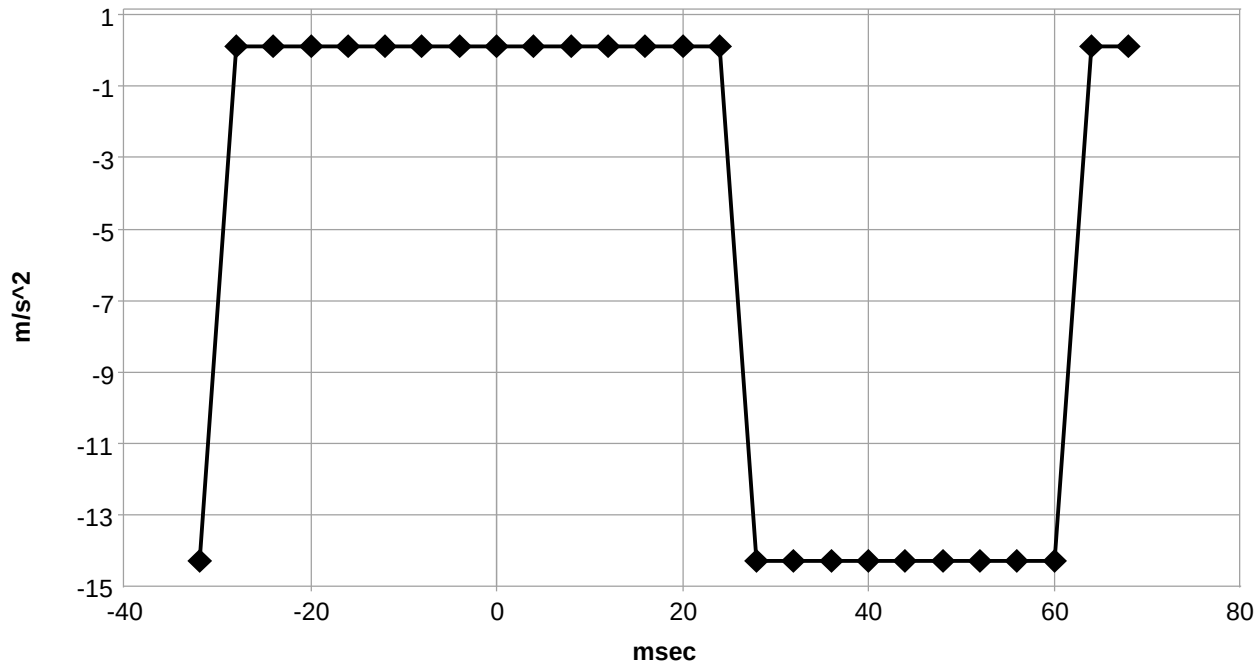
Lateral Acceleration, Side Satellite Sensor 4, L



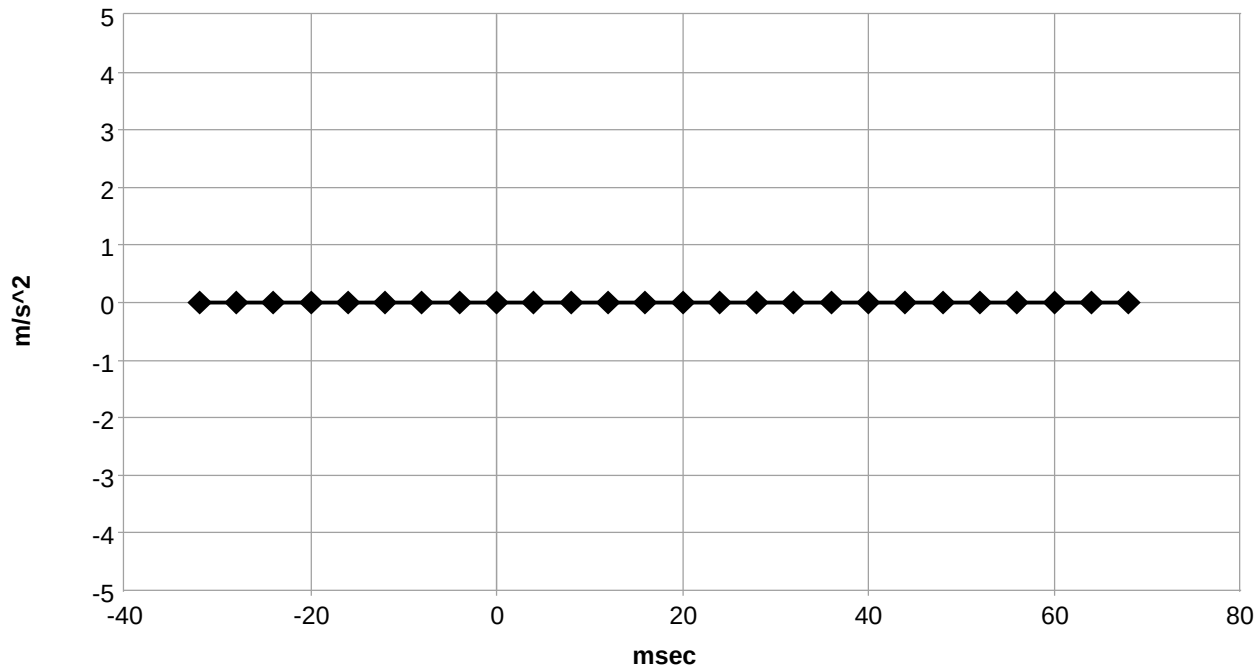
Rate of Change of Pressure, Side Satellite Sensor 1, R



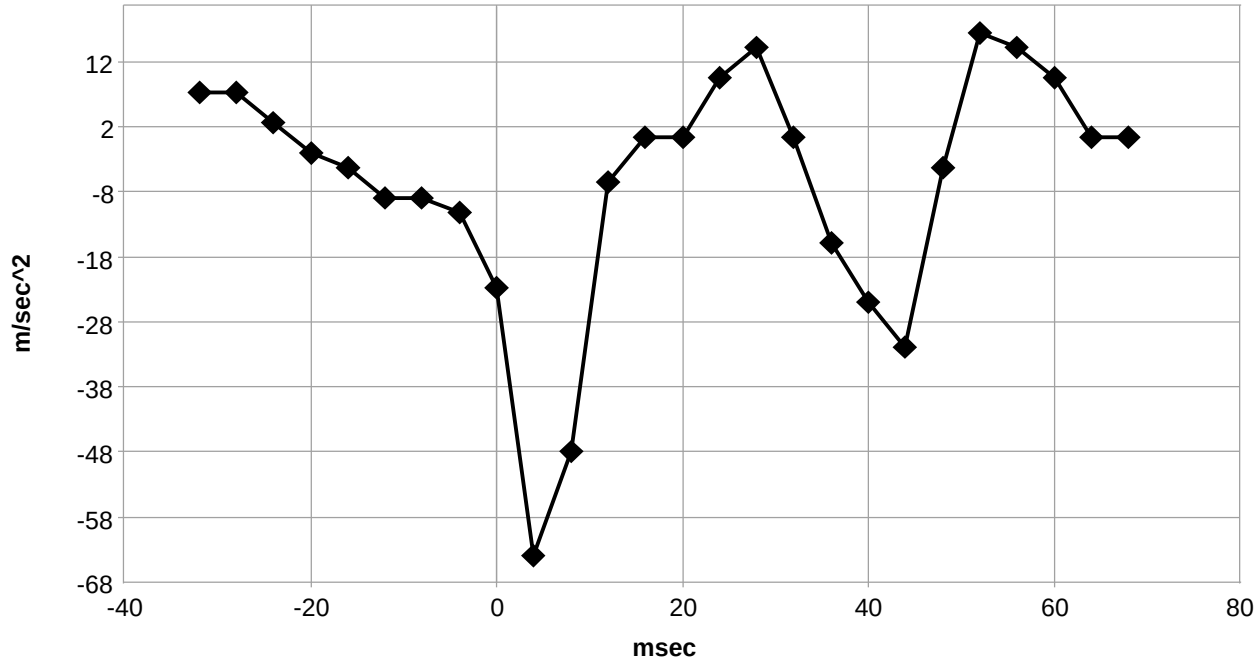
Lateral Acceleration, Side Satellite Sensor 2, R



Lateral Acceleration, Side Satellite Sensor 4, R



Lateral Acceleration for Side Crash Addition, Floor Sensor



Lateral Crash Pulse (4th Prior Event, TRG 14) - Table 1 of 2

Time (msec)	Rate of Change of Pressure, Side Satellite Sensor 1, L (%)	Lateral Acceleration, Side Satellite Sensor 2, L (m/s^2)	Lateral Acceleration, Side Satellite Sensor 3, L (m/s^2)	Lateral Acceleration, Side Satellite Sensor 4, L (m/s^2)	Rate of Change of Pressure, Side Satellite Sensor 1, R (%)	Lateral Acceleration, Side Satellite Sensor 2, R (m/s^2)	Lateral Acceleration, Side Satellite Sensor 3, R (m/s^2)	Lateral Acceleration, Side Satellite Sensor 4, R (m/s^2)
-32	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
-28	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-24	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-20	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-16	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-12	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-8	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
-4	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
0	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
4	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
8	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
12	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
16	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
20	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
24	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
28	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
32	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
36	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
40	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
44	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
48	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
52	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
56	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
60	0.0	0.0	SNA	0.0	0.0	-14.4	SNA	0.0
64	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0
68	0.0	0.0	SNA	0.0	0.0	0.0	SNA	0.0

Lateral Crash Pulse (4th Prior Event, TRG 14) - Table 2 of 2

Time (msec)	Lateral Acceleration for Side Crash Addition, Floor Sensor (m/s^2)
-32	6.9
-28	6.9
-24	2.3
-20	-2.3
-16	-4.6
-12	-9.2
-8	-9.2
-4	-11.5
0	-23.0
4	-64.3
8	-48.2
12	-6.9
16	0.0
20	0.0
24	9.2
28	13.8
32	0.0
36	-16.1
40	-25.3
44	-32.2
48	-4.6
52	16.1
56	13.8
60	9.2
64	0.0
68	0.0

System Status at Event (5th Prior Event, TRG 11)

TRG Count (times)	11
Event Type	Frontal/Rear/Side Crash
Previous Crash Type	Side Crash
Time from Previous TRG (msec)	1.5
Time from Time Zero to TRG (msec)	1.0
Event Establishment Factor	Side Crash, Right / Frontal Crash
TRG Establishment Factor	Frontal Crash
Freeze Signal	ON
Freeze Signal Factor	Front Airbag Deployment, Driver / Front Airbag Deployment, Passenger
Recording Status , Front/Rear and Side Crash Info.	Complete
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	423,300
Time count input system	Normal

Deployment Command Data (5th Prior Event, TRG 11)

Active Head Restraint, Time to Deploy, Driver (msec)	SNA
Active Head Restraint, Time to Deploy, Front Passenger (msec)	SNA
Frontal Airbag Deployment, Time to 1st Stage Deployment, Driver (msec)	1.0
Frontal Airbag Deployment, Time to 1st Stage Deployment, Front Passenger (msec)	1.0
Frontal Airbag Deployment, Time to 2nd Stage, Driver (msec)	151.0
Frontal Airbag Deployment, Time to 2nd Stage, Front Passenger (msec)	11.0
Pretensioner Deployment, Time to Fire, 1st Seat, Driver (msec)	1.0
Pretensioner Deployment, Time to Fire, 1st Seat, Passenger (msec)	1.0
Pretensioner Deployment, Time to Fire, 2nd Seat, Driver (msec)	1.0
Pretensioner Deployment, Time to Fire, 2nd Seat, Passenger (msec)	1.0
Rear Window Airbag Deployment, Time to Deploy (msec)	SNA
Side Airbag Deployment, Time to Deploy, 1st Seat, Driver (msec)	No
Side Airbag Deployment, Time to Deploy, 1st Seat, Passenger (msec)	24.5
Side Airbag Deployment, Time to Deploy, 2nd Seat, Driver (msec)	No
Side Airbag Deployment, Time to Deploy, 2nd Seat, Passenger (msec)	24.5
Side Curtain Airbag Deployment, Time to Deploy, Driver (msec)	29.0
Side Curtain Airbag Deployment, Time to Deploy, Passenger (msec)	24.5

DTCs Present at Time of Event (5th Prior Event, TRG 11)

Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

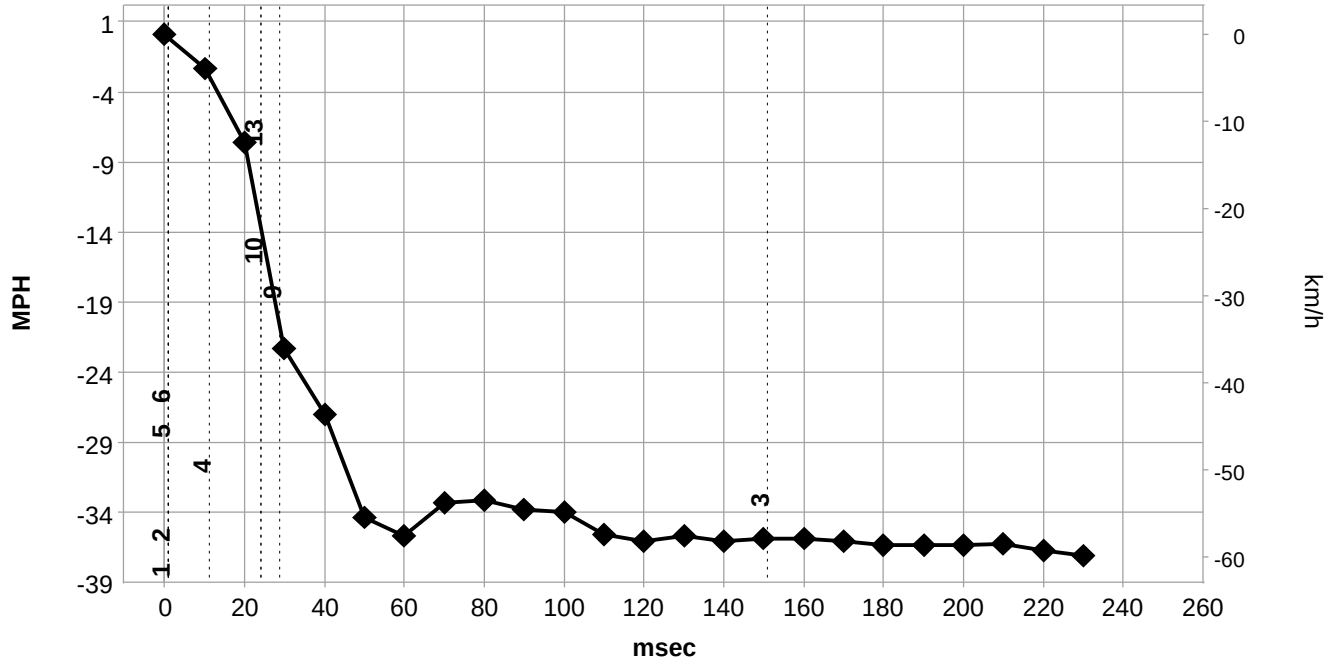
Pre-Crash Data, 1 Sample (5th Prior Event, TRG 11)

Recording Status, Occupant	Complete
Recording Status, Pre-Crash	Complete
Time from Pre-Crash to TRG (msec)	100
Safety Belt Status, Driver	ON
Safety Belt Status, Front Passenger	ON
Occupant Size Classification, Front Passenger	AF05 (Not Child)
Frontal Airbag Suppression Switch Status, Front Passenger	SNA
RSCA Disable Switch	SNA
Seat Track Position Switch, Foremost, Status, Driver	Yes
Airbag Warning Lamp, On/Off	OFF
Ignition Cycle, Crash (times)	6499

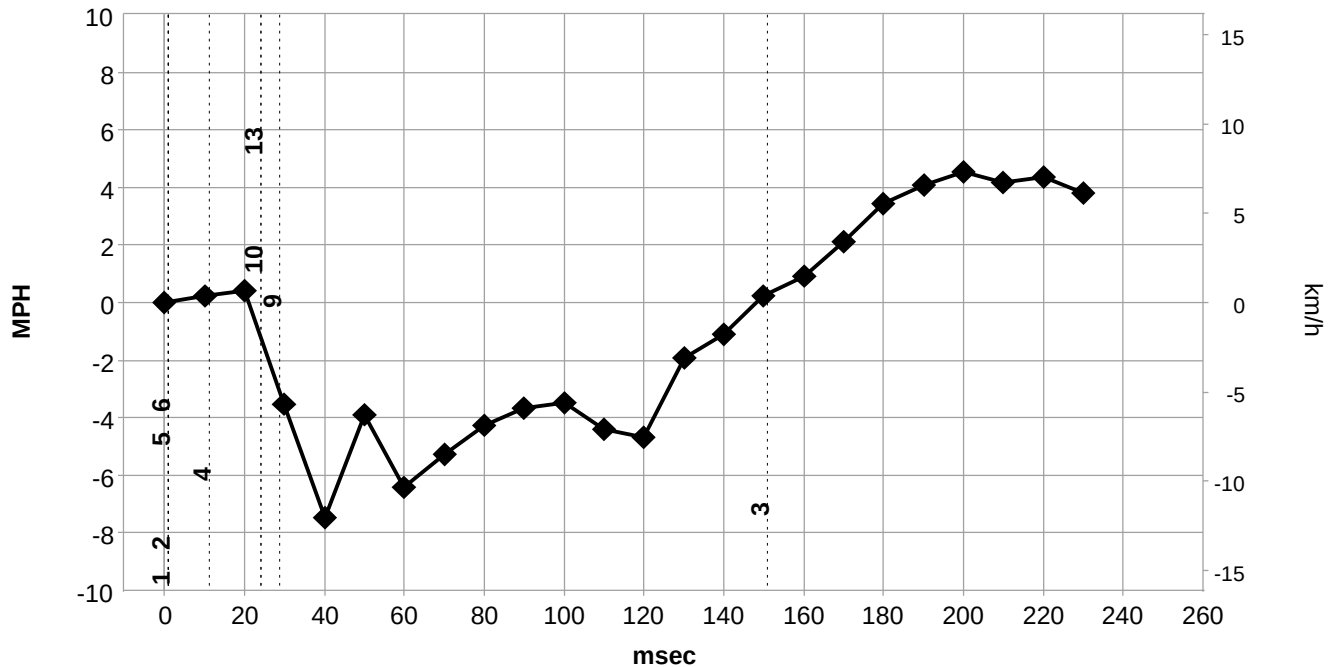
Longitudinal/Lateral Crash Pulse (5th Prior Event, TRG 11)

Recording Status , Time Series Data	Complete
Power Supply Status at the time of Max. Delta-V	OFF
Maximum Delta-V, Longitudinal (MPH [km/h])	-37.3 [-60.1]
Time, Maximum Delta-V, Longitudinal (msec)	234.5
Clipping Time, Longitudinal Delta-V (msec)	18.0
Clipping Time, Lateral Delta-V (msec)	2.5
Length of Delta-V (msec)	230

Delta-V, Longitudinal



Delta-V, Lateral



Deployment Time Marker Key

1	Driver Airbag Deployment Time
2	Passenger Airbag Deployment Time
3	Driver 2nd Stage Airbag Deployment
4	Passenger 2nd Stage Airbag
5	Driver Pretensioner Deployment
6	Passenger Pretensioner Deployment
7	Driver AHR
8	Passenger AHR
9	Driver CSA
10	Passenger CSA
11	Rear Window Airbag Deployment
12	Driver SAB
13	Passenger SAB

Longitudinal/Lateral Crash Pulse (5th Prior Event, TRG 11)

Time (msec)	Delta-V, Longitudinal (MPH [km/h])	Delta-V, Lateral (MPH [km/h])	Power Supply Status
0	0.0 [0.0]	0.0 [0.0]	OFF
10	-2.4 [-3.9]	0.2 [0.4]	OFF
20	-7.7 [-12.4]	0.4 [0.7]	OFF
30	-22.4 [-36.1]	-3.5 [-5.7]	OFF
40	-27.1 [-43.6]	-7.5 [-12.0]	OFF
50	-34.4 [-55.4]	-3.9 [-6.3]	OFF
60	-35.8 [-57.6]	-6.4 [-10.3]	OFF
70	-33.4 [-53.8]	-5.3 [-8.5]	OFF
80	-33.2 [-53.5]	-4.3 [-6.9]	OFF
90	-33.9 [-54.6]	-3.7 [-5.9]	OFF
100	-34.1 [-54.9]	-3.5 [-5.6]	OFF
110	-35.7 [-57.4]	-4.4 [-7.1]	OFF
120	-36.2 [-58.2]	-4.7 [-7.5]	OFF
130	-35.8 [-57.6]	-1.9 [-3.1]	OFF
140	-36.2 [-58.2]	-1.1 [-1.8]	OFF
150	-36.0 [-57.9]	0.2 [0.4]	OFF
160	-36.0 [-57.9]	0.9 [1.5]	OFF
170	-36.2 [-58.2]	2.1 [3.4]	OFF
180	-36.5 [-58.7]	3.4 [5.5]	OFF
190	-36.5 [-58.7]	4.1 [6.6]	OFF
200	-36.5 [-58.7]	4.5 [7.3]	OFF
210	-36.4 [-58.5]	4.2 [6.7]	OFF
220	-36.8 [-59.3]	4.3 [7.0]	OFF
230	-37.2 [-59.9]	3.8 [6.1]	OFF
240	0.0 [0.0]	0.0 [0.0]	ON
250	0.0 [0.0]	0.0 [0.0]	ON

Pre-Crash Data -5 to 0 Seconds (5th Prior Event, TRG 11) - Table 1 of 4

Time (sec)	Vehicle Speed (MPH [km/h])	Accelerator Pedal, % Full (%)	Percentage of Engine Throttle (%)	Fuel Injection Quantity (mm ³ /st)	Engine RPM (RPM)	Motor RPM (RPM)	Service Brake, ON/OFF
-4.60	96.9 [156]	100.0	100.0	Invalid	5,200	Invalid	OFF
-4.10	97.6 [157]	100.0	99.5	Invalid	5,300	Invalid	OFF
-3.60	98.2 [158]	100.0	99.5	Invalid	5,300	Invalid	OFF
-3.10	99.4 [160]	100.0	99.5	Invalid	5,400	Invalid	OFF
-2.60	100.0 [161]	100.0	99.5	Invalid	5,400	Invalid	OFF
-2.10	98.8 [159]	100.0	38.5	Invalid	6,900	Invalid	OFF
-1.60	96.3 [155]	100.0	13.5	Invalid	6,500	Invalid	OFF
-1.10	93.2 [150]	100.0	41.5	Invalid	5,100	Invalid	OFF
-0.60	88.2 [142]	100.0	23.5	Invalid	6,700	Invalid	OFF
-0.10	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid
TRG(0)	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid

Pre-Crash Data -5 to 0 Seconds (5th Prior Event, TRG 11) - Table 2 of 4

Time (sec)	ABS Control Status	BOS Control Status	Brake Oil Pressure (Mpa)	Longitudinal Acceleration , VSC Sensor (m/s ²)	Yaw Rate (deg/s)	Steering Input (degrees)	Shift Position
-4.60	OFF	OFF	0.00	0.933	-2.44	1.5	D
-4.10	OFF	OFF	0.00	0.790	-1.46	4.5	D
-3.60	OFF	OFF	0.00	0.790	0.98	7.5	D
-3.10	OFF	OFF	0.00	0.861	1.46	9.0	Seq
-2.60	OFF	OFF	0.00	1.148	-1.46	4.5	N
-2.10	OFF	OFF	0.00	-0.574	-5.86	-25.5	N
-1.60	OFF	OFF	0.00	-1.148	-23.91	-88.5	D
-1.10	ON	OFF	0.05	-0.933	-3.90	-171.0	D
-0.60	OFF	OFF	0.00	-1.436	-17.08	-168.0	N
-0.10	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N
TRG(0)	Invalid	OFF	Invalid	Invalid	Invalid	Invalid	N

Pre-Crash Data -5 to 0 Seconds (5th Prior Event, TRG 11) - Table 3 of 4

Time (sec)	Sequential Shift Range	Cruise Control Status	VSC Control Status	READY Signal	Drive Mode, Power Train	Drive Mode, Snow	Drive Mode, EV
-4.60	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-4.10	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.60	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.10	5	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-2.60	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-2.10	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-1.60	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-1.10	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-0.60	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-0.10	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid
TRG(0)	Undetermined	Invalid	Invalid	Invalid	Normal	OFF	Invalid

Pre-Crash Data -5 to 0 Seconds (5th Prior Event, TRG 11) - Table 4 of 4

Time (sec)	Drive mode select signal
-4.60	Normal
-4.10	Normal
-3.60	Normal
-3.10	Normal
-2.60	Normal
-2.10	Normal
-1.60	Normal
-1.10	Normal
-0.60	Normal
-0.10	Normal
TRG(0)	Normal

System Status at Event (6th Prior Event, TRG 10)

TRG Count (times)	10
Event Type	Side Crash
Previous Crash Type	Frontal/Rear/Side Crash
Time from Previous TRG (msec)	421.0
Freeze Signal	ON
Freeze Signal Factor	Side Airbag Deployment, Right Side
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	423,300
Time count input system	Normal

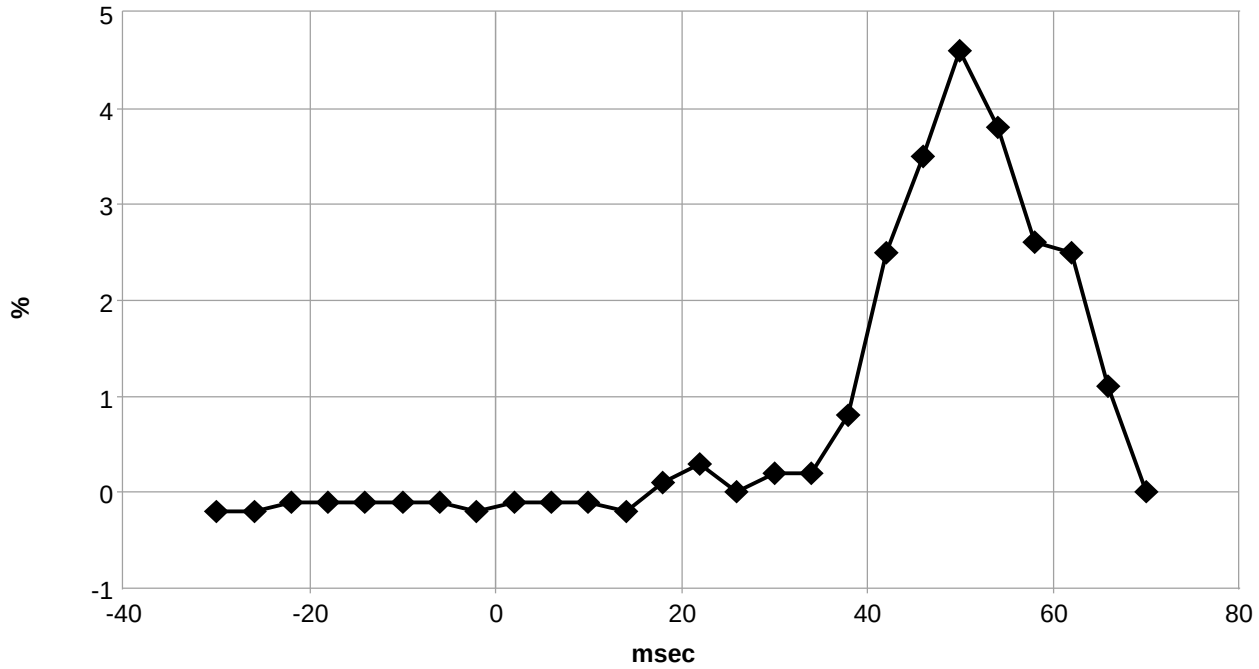
DTCs Present at Time of Event (6th Prior Event, TRG 10)

Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

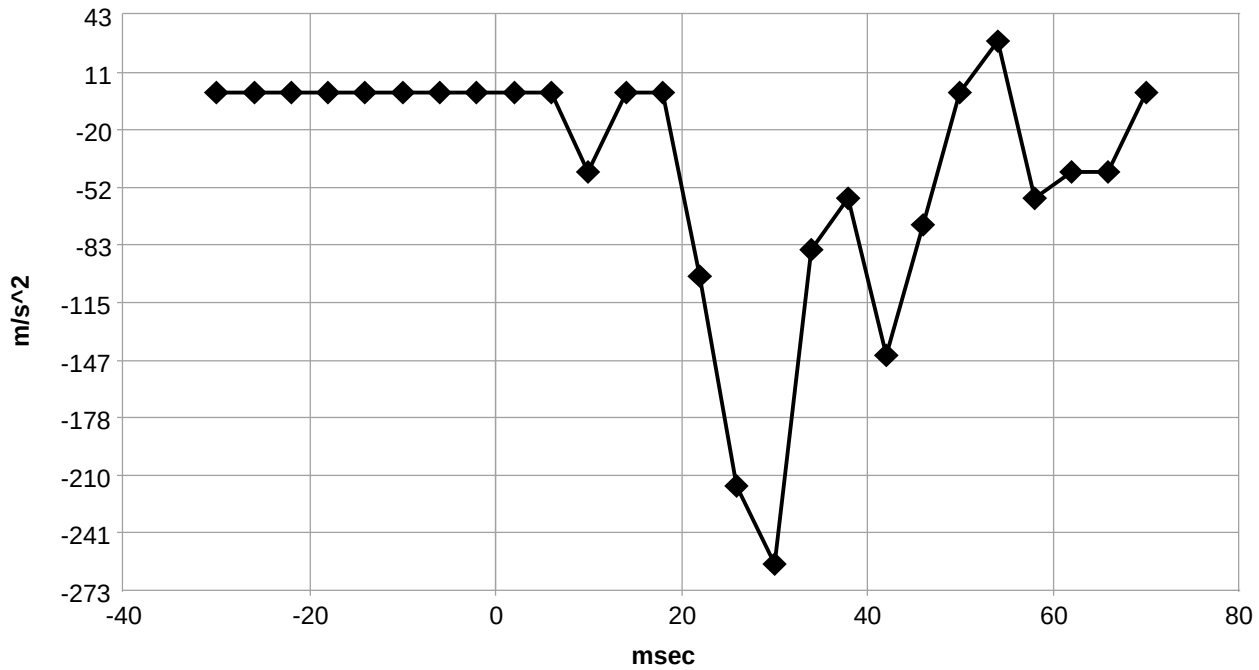
Lateral Crash Pulse (6th Prior Event, TRG 10)

Recording Status , Time Series Data	Complete
Time from TRG to Next Sample (msec)	2
Clipping Time, Rate of Change of Pressure, Side Satellite Sensor 1, L (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 2, L (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 3, L (msec)	SNA
Clipping Time, Lateral Acceleration, Side Satellite Sensor 4, L (msec)	No
Clipping Time, Rate of Change of Pressure, Side Satellite Sensor 1, R (msec)	No
Clipping Time, Lateral Acceleration, Side Satellite Sensor 2, R (msec)	32.0
Clipping Time, Lateral Acceleration, Side Satellite Sensor 3, R (msec)	SNA
Clipping Time, Lateral Acceleration, Side Satellite Sensor 4, R (msec)	No
Clipping Time, Lateral Acceleration, Floor Sensor (msec)	3.0

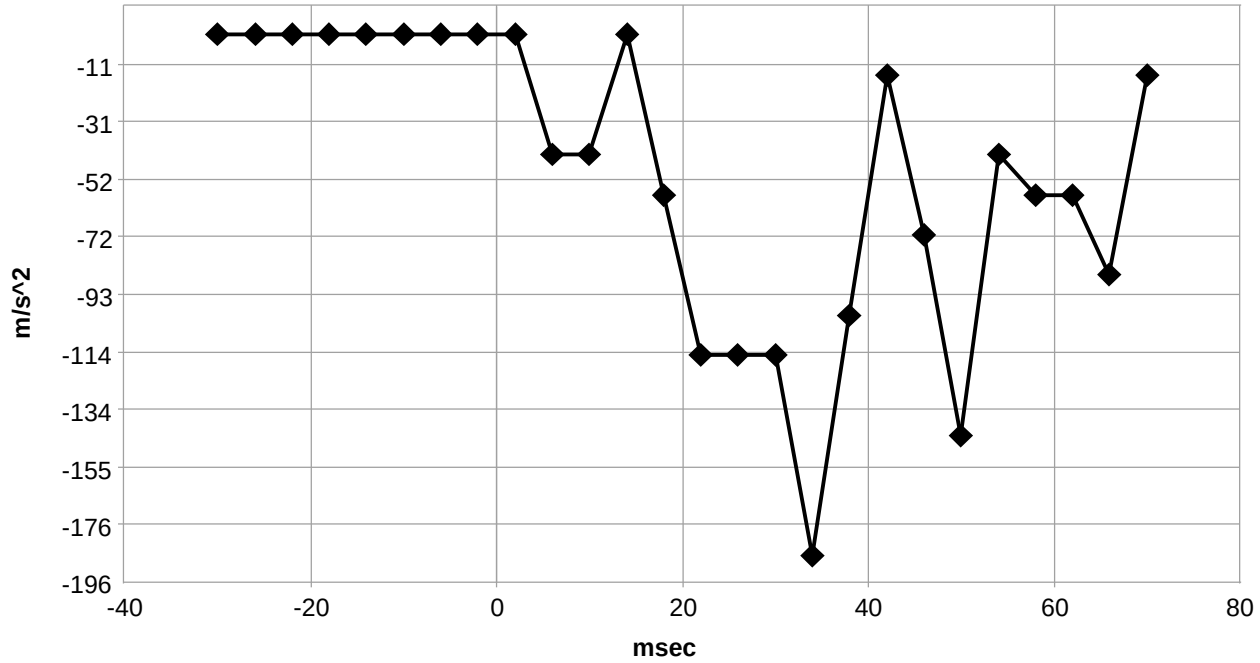
Rate of Change of Pressure, Side Satellite Sensor 1, L



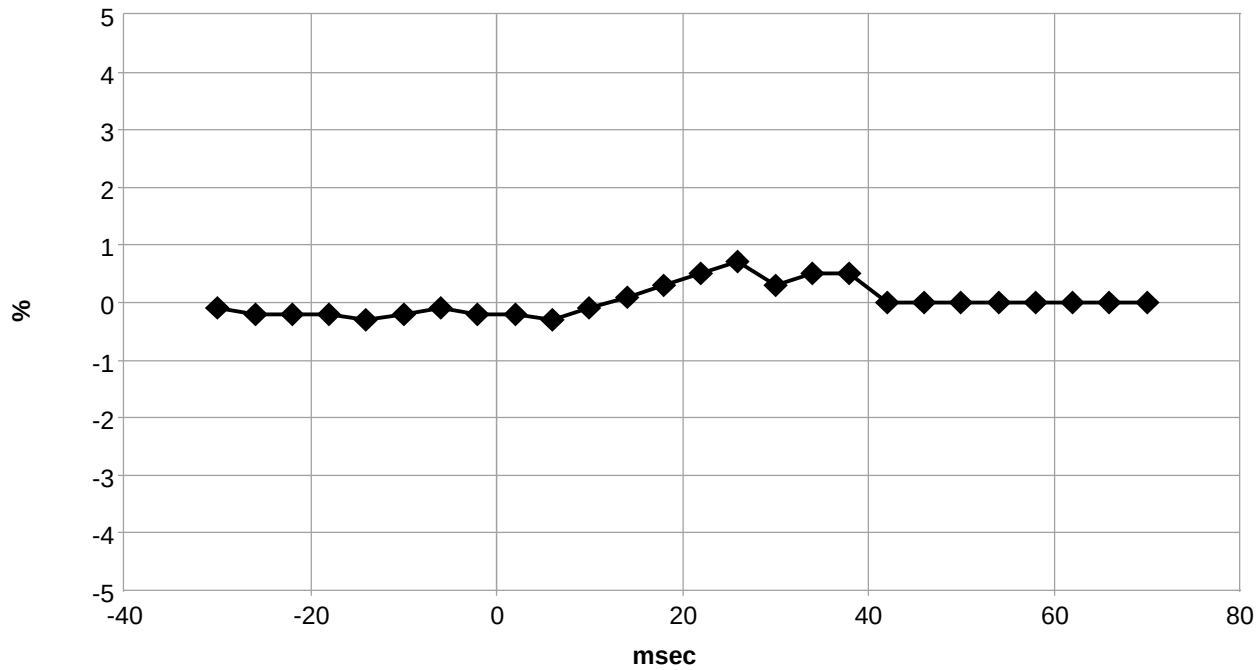
Lateral Acceleration, Side Satellite Sensor 2, L



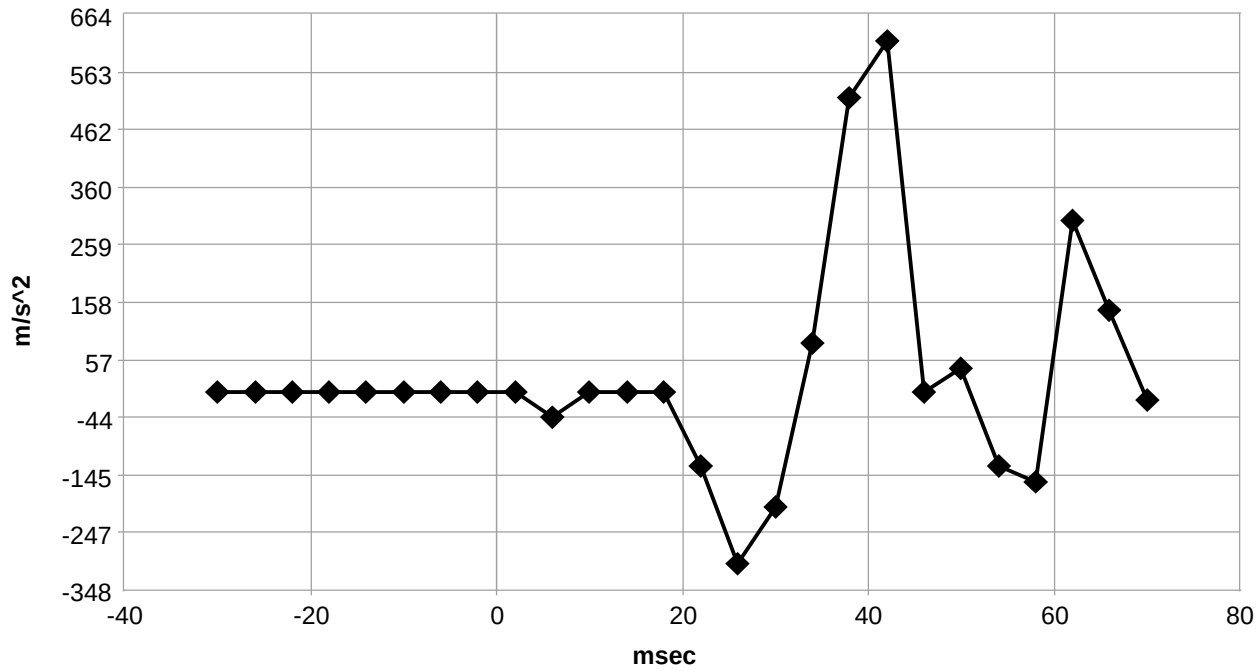
Lateral Acceleration, Side Satellite Sensor 4, L



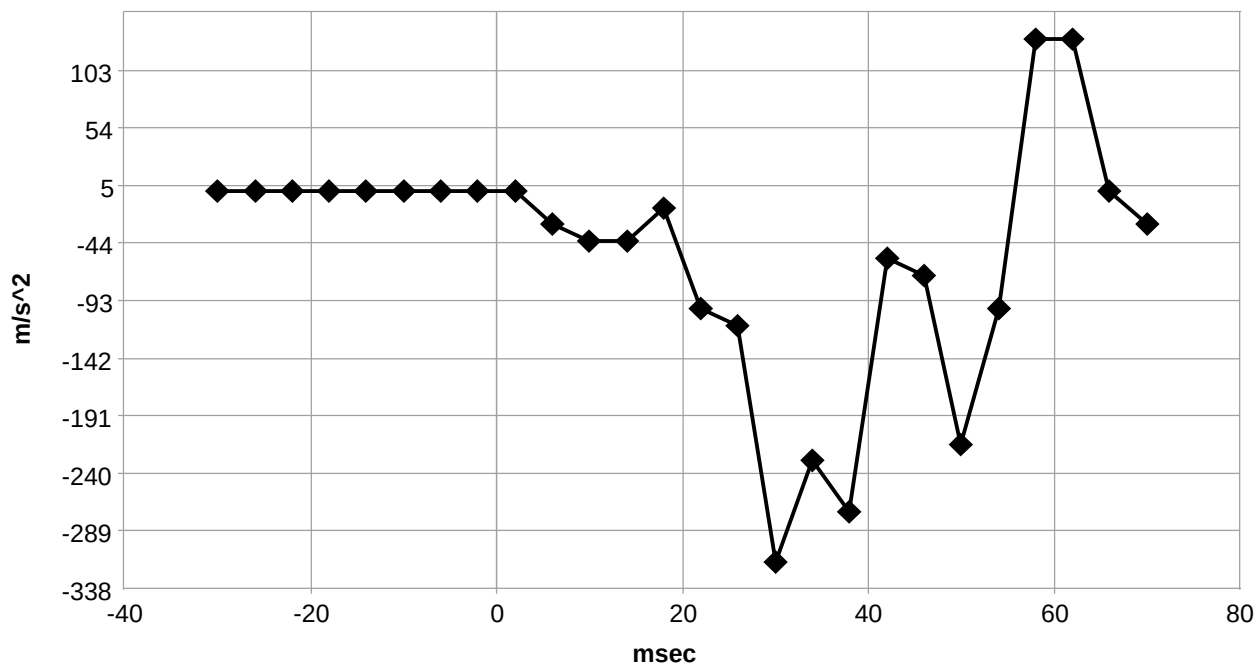
Rate of Change of Pressure, Side Satellite Sensor 1, R



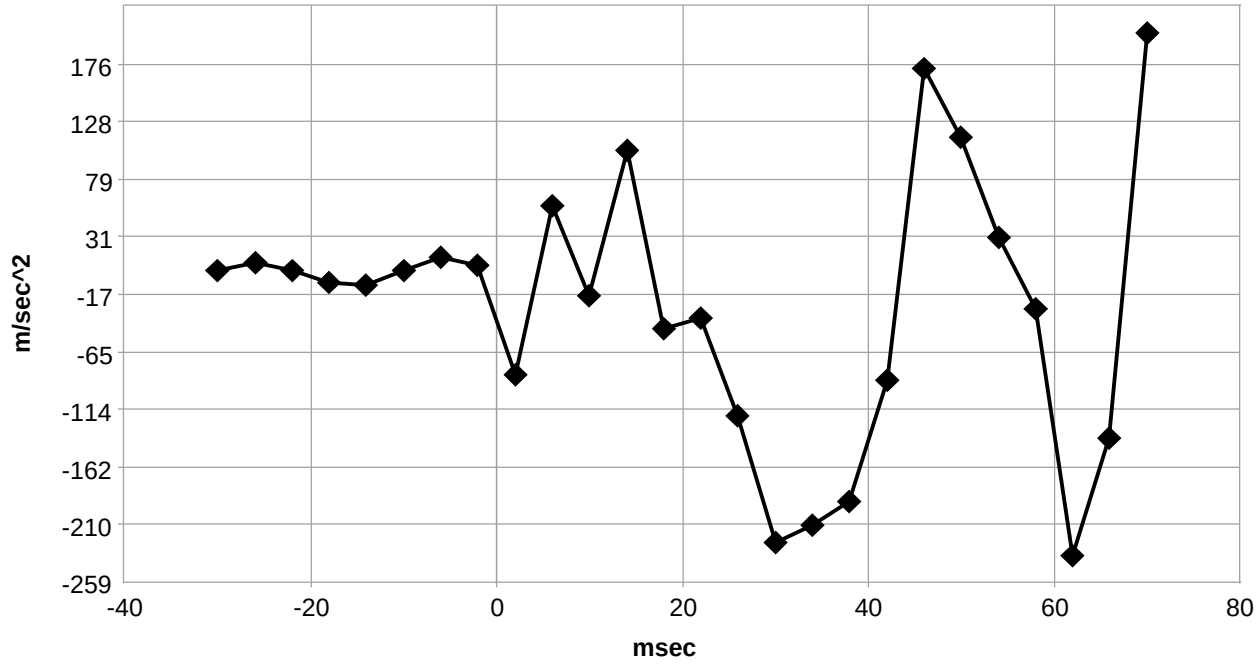
Lateral Acceleration, Side Satellite Sensor 2, R



Lateral Acceleration, Side Satellite Sensor 4, R



Lateral Acceleration for Side Crash Addition, Floor Sensor



Lateral Crash Pulse (6th Prior Event, TRG 10) - Table 1 of 2

Time (msec)	Rate of Change of Pressure, Side Satellite Sensor 1, L (%)	Lateral Acceleration, Side Satellite Sensor 2, L (m/s^2)	Lateral Acceleration, Side Satellite Sensor 3, L (m/s^2)	Lateral Acceleration, Side Satellite Sensor 4, L (m/s^2)	Rate of Change of Pressure, Side Satellite Sensor 1, R (%)	Lateral Acceleration, Side Satellite Sensor 2, R (m/s^2)	Lateral Acceleration, Side Satellite Sensor 3, R (m/s^2)	Lateral Acceleration, Side Satellite Sensor 4, R (m/s^2)
-30	-0.2	0.0	SNA	0.0	-0.1	0.0	SNA	0.0
-26	-0.2	0.0	SNA	0.0	-0.2	0.0	SNA	0.0
-22	-0.1	0.0	SNA	0.0	-0.2	0.0	SNA	0.0
-18	-0.1	0.0	SNA	0.0	-0.2	0.0	SNA	0.0
-14	-0.1	0.0	SNA	0.0	-0.3	0.0	SNA	0.0
-10	-0.1	0.0	SNA	0.0	-0.2	0.0	SNA	0.0
-6	-0.1	0.0	SNA	0.0	-0.1	0.0	SNA	0.0
-2	-0.2	0.0	SNA	0.0	-0.2	0.0	SNA	0.0
2	-0.1	0.0	SNA	0.0	-0.2	0.0	SNA	0.0
6	-0.1	0.0	SNA	-43.1	-0.3	-43.1	SNA	-28.7
10	-0.1	-43.1	SNA	-43.1	-0.1	0.0	SNA	-43.1
14	-0.2	0.0	SNA	0.0	0.1	0.0	SNA	-43.1
18	0.1	0.0	SNA	-57.5	0.3	0.0	SNA	-14.4
22	0.3	-100.6	SNA	-115.0	0.5	-129.3	SNA	-100.6
26	0.0	-215.6	SNA	-115.0	0.7	-301.8	SNA	-115.0
30	0.2	-258.7	SNA	-115.0	0.3	-201.2	SNA	-316.2
34	0.2	-86.2	SNA	-186.8	0.5	86.2	SNA	-229.9
38	0.8	-57.5	SNA	-100.6	0.5	517.3	SNA	-273.0
42	2.5	-143.7	SNA	-14.4	0.0	617.9	SNA	-57.5
46	3.5	-71.9	SNA	-71.9	0.0	0.0	SNA	-71.9
50	4.6	0.0	SNA	-143.7	0.0	43.1	SNA	-215.6
54	3.8	28.7	SNA	-43.1	0.0	-129.3	SNA	-100.6
58	2.6	-57.5	SNA	-57.5	0.0	-158.1	SNA	129.3
62	2.5	-43.1	SNA	-57.5	0.0	301.8	SNA	129.3
66	1.1	-43.1	SNA	-86.2	0.0	143.7	SNA	0.0
70	0.0	0.0	SNA	-14.4	0.0	-14.4	SNA	-28.7

Lateral Crash Pulse (6th Prior Event, TRG 10) - Table 2 of 2

Time (msec)	Lateral Acceleration for Side Crash Addition, Floor Sensor (m/s^2)
-30	2.3
-26	9.2
-22	2.3
-18	-6.9
-14	-9.2
-10	2.3
-6	13.8
-2	6.9
2	-85.0
6	57.4
10	-18.4
14	103.4
18	-45.9
22	-36.8
26	-119.5
30	-225.1
34	-211.3
38	-190.7
42	-89.6
46	172.3
50	114.9
54	29.9
58	-29.9
62	-236.6
66	-137.8
70	202.2

System Status at Event (7th Prior Event, TRG 9)

TRG Count (times)	9
Event Type	Frontal/Rear/Side Crash
Previous Crash Type	Side Crash
Time from Previous TRG (msec)	6.5
Time from Time Zero to TRG (msec)	8.0
Event Establishment Factor	Frontal Crash
TRG Establishment Factor	Frontal Crash
Freeze Signal	ON
Freeze Signal Factor	Front Airbag Deployment, Driver / Front Airbag Deployment, Passenger
Recording Status , Front/Rear and Side Crash Info.	Complete
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	422,900
Time count input system	Normal

Deployment Command Data (7th Prior Event, TRG 9)

Active Head Restraint, Time to Deploy, Driver (msec)	SNA
Active Head Restraint, Time to Deploy, Front Passenger (msec)	SNA
Frontal Airbag Deployment, Time to 1st Stage Deployment, Driver (msec)	8.0
Frontal Airbag Deployment, Time to 1st Stage Deployment, Front Passenger (msec)	8.0
Frontal Airbag Deployment, Time to 2nd Stage, Driver (msec)	No
Frontal Airbag Deployment, Time to 2nd Stage, Front Passenger (msec)	18.0
Pretensioner Deployment, Time to Fire, 1st Seat, Driver (msec)	8.0
Pretensioner Deployment, Time to Fire, 1st Seat, Passenger (msec)	8.0
Pretensioner Deployment, Time to Fire, 2nd Seat, Driver (msec)	8.0
Pretensioner Deployment, Time to Fire, 2nd Seat, Passenger (msec)	8.0
Rear Window Airbag Deployment, Time to Deploy (msec)	SNA
Side Airbag Deployment, Time to Deploy, 1st Seat, Driver (msec)	No
Side Airbag Deployment, Time to Deploy, 1st Seat, Passenger (msec)	No
Side Airbag Deployment, Time to Deploy, 2nd Seat, Driver (msec)	No
Side Airbag Deployment, Time to Deploy, 2nd Seat, Passenger (msec)	No
Side Curtain Airbag Deployment, Time to Deploy, Driver (msec)	8.5
Side Curtain Airbag Deployment, Time to Deploy, Passenger (msec)	No

DTCs Present at Time of Event (7th Prior Event, TRG 9)

Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

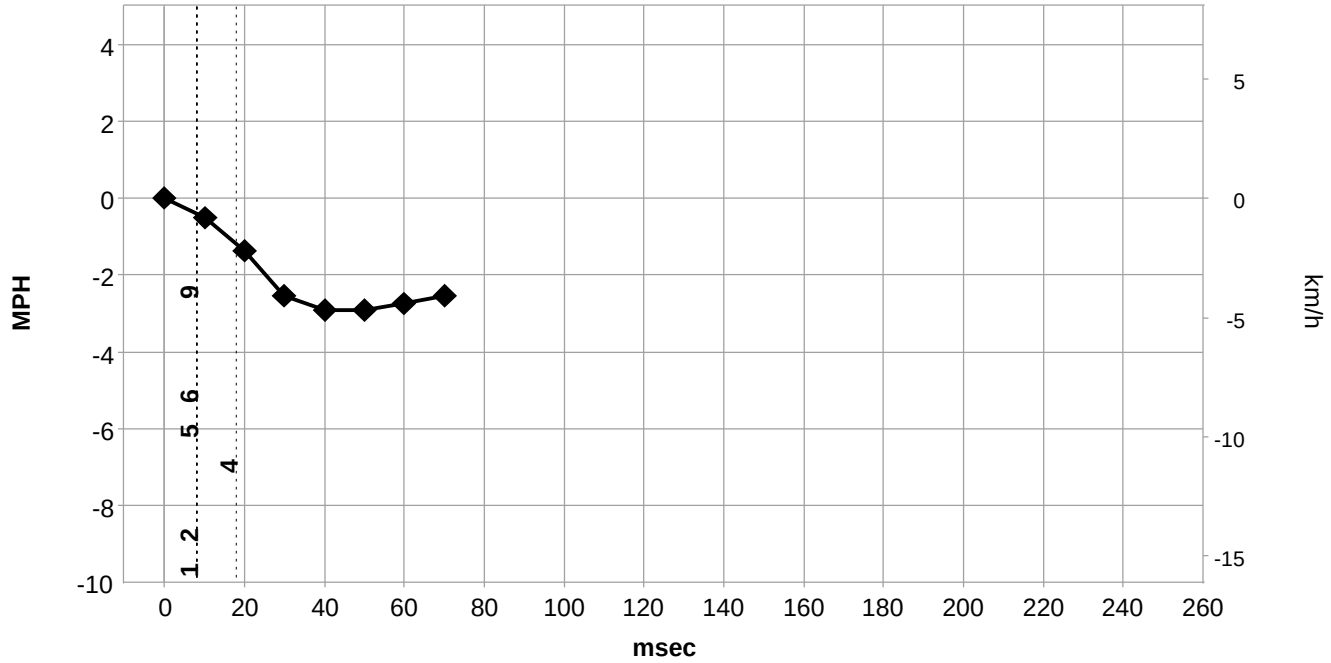
Pre-Crash Data, 1 Sample (7th Prior Event, TRG 9)

Recording Status, Occupant	Complete
Recording Status, Pre-Crash	Complete
Time from Pre-Crash to TRG (msec)	200
Safety Belt Status, Driver	ON
Safety Belt Status, Front Passenger	ON
Occupant Size Classification, Front Passenger	AF05 (Not Child)
Frontal Airbag Suppression Switch Status, Front Passenger	SNA
RSCA Disable Switch	SNA
Seat Track Position Switch, Foremost, Status, Driver	Yes
Airbag Warning Lamp, On/Off	OFF
Ignition Cycle, Crash (times)	6499

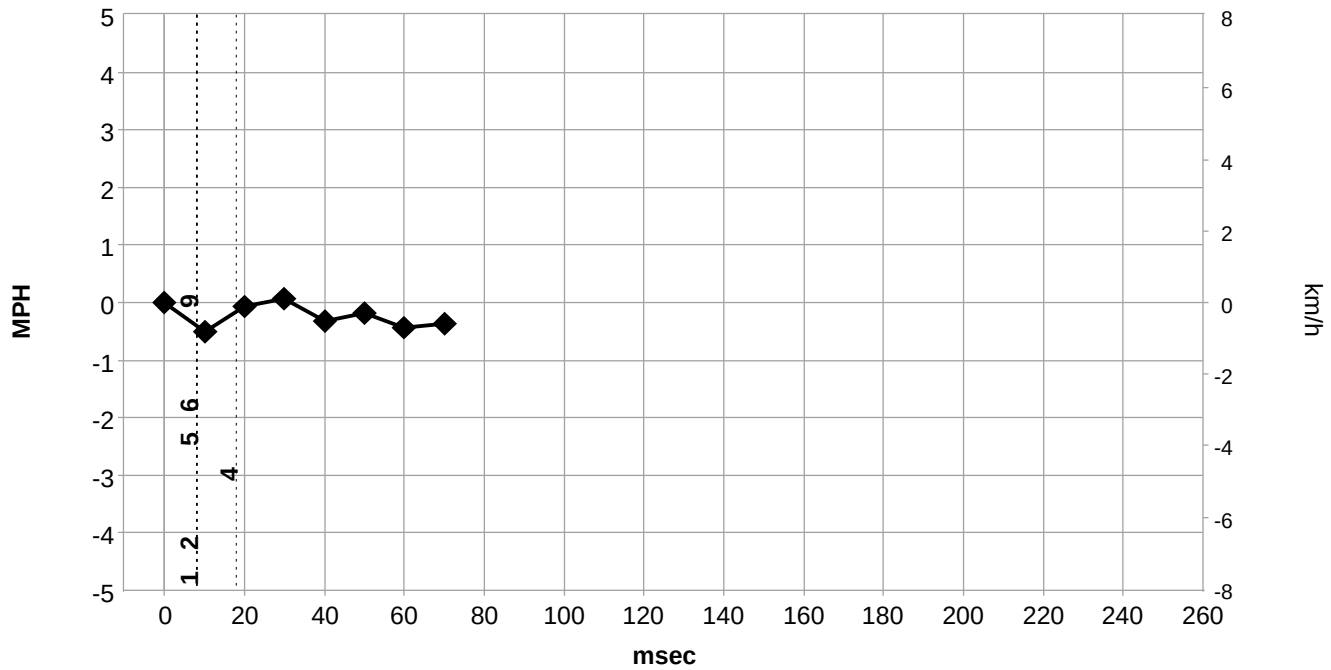
Longitudinal/Lateral Crash Pulse (7th Prior Event, TRG 9)

Recording Status , Time Series Data	Complete
Power Supply Status at the time of Max. Delta-V	OFF
Maximum Delta-V, Longitudinal (MPH [km/h])	-2.9 [-4.7]
Time, Maximum Delta-V, Longitudinal (msec)	39.0
Clipping Time, Longitudinal Delta-V (msec)	No
Clipping Time, Lateral Delta-V (msec)	No
Length of Delta-V (msec)	70

Delta-V, Longitudinal



Delta-V, Lateral



Deployment Time Marker Key

1	Driver Airbag Deployment Time
2	Passenger Airbag Deployment Time
3	Driver 2nd Stage Airbag Deployment
4	Passenger 2nd Stage Airbag
5	Driver Pretensioner Deployment
6	Passenger Pretensioner Deployment
7	Driver AHR
8	Passenger AHR
9	Driver CSA
10	Passenger CSA
11	Rear Window Airbag Deployment
12	Driver SAB
13	Passenger SAB

Longitudinal/Lateral Crash Pulse (7th Prior Event, TRG 9)

Time (msec)	Delta-V, Longitudinal (MPH [km/h])	Delta-V, Lateral (MPH [km/h])	Power Supply Status
0	0.0 [0.0]	0.0 [0.0]	ON
10	-0.5 [-0.8]	-0.5 [-0.8]	ON
20	-1.4 [-2.2]	-0.1 [-0.1]	ON
30	-2.5 [-4.1]	0.1 [0.1]	OFF
40	-2.9 [-4.7]	-0.3 [-0.5]	OFF
50	-2.9 [-4.7]	-0.2 [-0.3]	OFF
60	-2.7 [-4.4]	-0.4 [-0.7]	OFF
70	-2.5 [-4.1]	-0.4 [-0.6]	OFF
80	0.0 [0.0]	0.0 [0.0]	ON
90	0.0 [0.0]	0.0 [0.0]	ON
100	0.0 [0.0]	0.0 [0.0]	ON
110	0.0 [0.0]	0.0 [0.0]	ON
120	0.0 [0.0]	0.0 [0.0]	ON
130	0.0 [0.0]	0.0 [0.0]	ON
140	0.0 [0.0]	0.0 [0.0]	ON
150	0.0 [0.0]	0.0 [0.0]	ON
160	0.0 [0.0]	0.0 [0.0]	ON
170	0.0 [0.0]	0.0 [0.0]	ON
180	0.0 [0.0]	0.0 [0.0]	ON
190	0.0 [0.0]	0.0 [0.0]	ON
200	0.0 [0.0]	0.0 [0.0]	ON
210	0.0 [0.0]	0.0 [0.0]	ON
220	0.0 [0.0]	0.0 [0.0]	ON
230	0.0 [0.0]	0.0 [0.0]	ON
240	0.0 [0.0]	0.0 [0.0]	ON
250	0.0 [0.0]	0.0 [0.0]	ON

Pre-Crash Data -5 to 0 Seconds (7th Prior Event, TRG 9) - Table 1 of 4

Time (sec)	Vehicle Speed (MPH [km/h])	Accelerator Pedal, % Full (%)	Percentage of Engine Throttle (%)	Fuel Injection Quantity (mm ³ /st)	Engine RPM (RPM)	Motor RPM (RPM)	Service Brake, ON/OFF
-4.70	95.7 [154]	100.0	100.0	Invalid	5,200	Invalid	OFF
-4.20	96.9 [156]	100.0	100.0	Invalid	5,200	Invalid	OFF
-3.70	97.6 [157]	100.0	99.5	Invalid	5,300	Invalid	OFF
-3.20	98.2 [158]	100.0	99.5	Invalid	5,300	Invalid	OFF
-2.70	99.4 [160]	100.0	99.5	Invalid	5,400	Invalid	OFF
-2.20	100.0 [161]	100.0	99.5	Invalid	5,400	Invalid	OFF
-1.70	98.8 [159]	100.0	38.5	Invalid	6,900	Invalid	OFF
-1.20	96.3 [155]	100.0	13.5	Invalid	6,500	Invalid	OFF
-0.70	93.2 [150]	100.0	41.5	Invalid	5,100	Invalid	OFF
-0.20	88.2 [142]	100.0	23.5	Invalid	6,700	Invalid	OFF
TRG(0)	83.9 [135]	100.0	21.0	Invalid	6,800	Invalid	OFF

Pre-Crash Data -5 to 0 Seconds (7th Prior Event, TRG 9) - Table 2 of 4

Time (sec)	ABS Control Status	BOS Control Status	Brake Oil Pressure (Mpa)	Longitudinal Acceleration , VSC Sensor (m/s ²)	Yaw Rate (deg/s)	Steering Input (degrees)	Shift Position
-4.70	OFF	OFF	0.00	0.646	-7.32	-22.5	D
-4.20	OFF	OFF	0.00	0.933	-2.44	1.5	D
-3.70	OFF	OFF	0.00	0.790	-1.46	4.5	D
-3.20	OFF	OFF	0.00	0.790	0.98	7.5	D
-2.70	OFF	OFF	0.00	0.861	1.46	9.0	Seq
-2.20	OFF	OFF	0.00	1.148	-1.46	4.5	N
-1.70	OFF	OFF	0.00	-0.574	-5.86	-25.5	N
-1.20	OFF	OFF	0.00	-1.148	-23.91	-88.5	D
-0.70	ON	OFF	0.05	-0.933	-3.90	-171.0	D
-0.20	OFF	OFF	0.00	-1.436	-17.08	-168.0	N
TRG(0)	ON	OFF	0.00	-2.656	-11.22	-150.0	N

Pre-Crash Data -5 to 0 Seconds (7th Prior Event, TRG 9) - Table 3 of 4

Time (sec)	Sequential Shift Range	Cruise Control Status	VSC Control Status	READY Signal	Drive Mode, Power Train	Drive Mode, Snow	Drive Mode, EV
-4.70	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-4.20	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.70	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.20	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-2.70	5	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-2.20	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-1.70	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-1.20	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-0.70	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
-0.20	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
TRG(0)	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid

Pre-Crash Data -5 to 0 Seconds (7th Prior Event, TRG 9) - Table 4 of 4

Time (sec)	Drive mode select signal
-4.70	Normal
-4.20	Normal
-3.70	Normal
-3.20	Normal
-2.70	Normal
-2.20	Normal
-1.70	Normal
-1.20	Normal
-0.70	Normal
-0.20	Normal
TRG(0)	Normal

System Status at Event (8th Prior Event, TRG 5)

TRG Count (times)	5
Event Type	Rollover
Previous Crash Type	No Event
Time from Previous TRG (msec)	32767 or greater
Freeze Signal	ON
Freeze Signal Factor	Rollover CSA Deployment
Recording Status, Rollover Crash Info.	Complete
Odometer signal (miles [km])	32,910 [52,964]
Trip count (times)	6576
Time count (msec)	422,100
Time count input system	Normal

Deployment Command Data (8th Prior Event, TRG 5)

Pretensioner Deployment, Time to Fire, 1st Seat, Driver (msec)	1,631.0
Pretensioner Deployment, Time to Fire, 1st Seat, Passenger (msec)	1,631.0
Pretensioner Deployment, Time to Fire, 2nd Seat, Driver (msec)	1,631.0
Pretensioner Deployment, Time to Fire, 2nd Seat, Passenger (msec)	1,631.0
Side Curtain Airbag Deployment, Time to Deploy, Driver (msec)	1,631.0
Side Curtain Airbag Deployment, Time to Deploy, Passenger (msec)	1,631.0

DTCs Present at Time of Event (8th Prior Event, TRG 5)

Recording Status, Diagnostic	Complete
Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

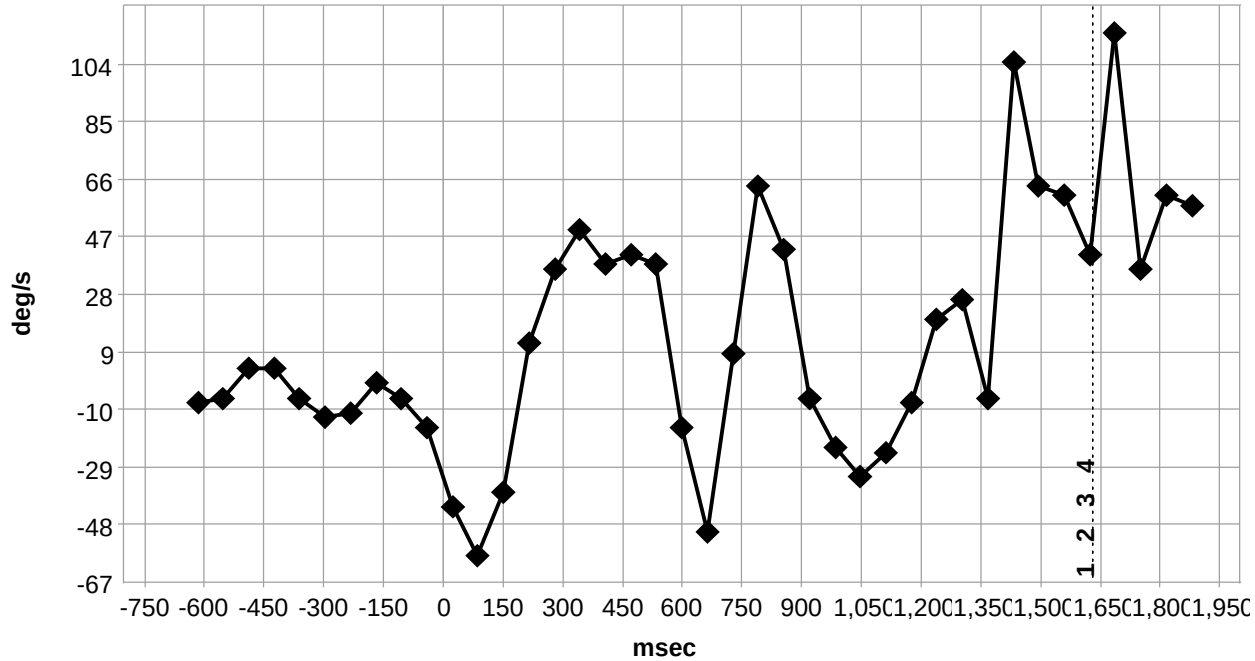
Pre-Crash Data, 1 Sample (8th Prior Event, TRG 5)

Recording Status, Occupant	Complete
Recording Status, Pre-Crash	Complete
Time from Pre-Crash to TRG (msec)	250
Safety Belt Status, Driver	ON
Safety Belt Status, Front Passenger	ON
Occupant Size Classification, Front Passenger	AF05 (Not Child)
Frontal Airbag Suppression Switch Status, Front Passenger	SNA
RSCA Disable Switch	SNA
Seat Track Position Switch, Foremost, Status, Driver	Yes
Airbag Warning Lamp, On/Off	OFF
Ignition Cycle, Crash (times)	6499

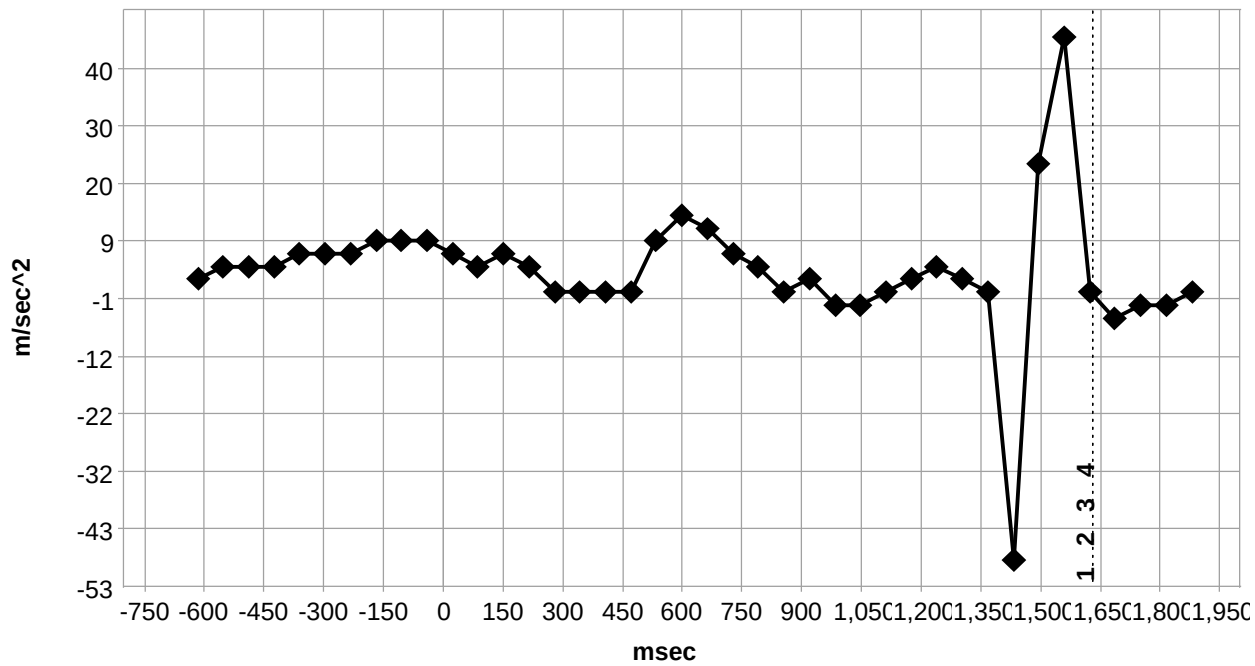
Rollover Crash Pulse (8th Prior Event, TRG 5)

Recording Status, Time Series Data	Complete
Time from TRG to Next Sample (msec)	23
RollAngle Peak (degrees)	46.6
Roll Angle at the Time of TRG (degrees)	-6.6

Roll Rate



Lateral Acceleration for Rollover



Deployment Time Marker Key

1	Driver CSA
2	Passenger CSA
3	Driver Pretensioner Deployment
4	Passenger Pretensioner Deployment

Rollover Crash Pulse (8th Prior Event, TRG 5)

Time (msec)	Roll Rate (deg/s)	Lateral Acceleration for Rollover (m/s^2)
-617	-8.1	2.3
-553	-6.5	4.6
-489	3.3	4.6
-425	3.3	4.6
-361	-6.5	6.9
-297	-13.0	6.9
-233	-11.4	6.9
-169	-1.6	9.2
-105	-6.5	9.2
-41	-16.3	9.2
23	-42.3	6.9
87	-58.6	4.6
151	-37.5	6.9
215	11.4	4.6
279	35.8	0.0
343	48.9	0.0
407	37.5	0.0
471	40.7	0.0
535	37.5	9.2
599	-16.3	13.8
663	-50.5	11.5
727	8.1	6.9
791	63.5	4.6
855	42.3	0.0
919	-6.5	2.3
983	-22.8	-2.3
1047	-32.6	-2.3
1111	-24.4	0.0
1175	-8.1	2.3
1239	19.5	4.6
1303	26.1	2.3
1367	-6.5	0.0
1431	104.2	-48.2
1495	63.5	23.0
1559	60.3	45.9
1623	40.7	0.0
1687	114.0	-4.6
1751	35.8	-2.3
1815	60.3	-2.3
1879	57.0	0.0

Pre-Crash Data -5 to 0 Seconds (8th Prior Event, TRG 5) - Table 1 of 4

Time (sec)	Vehicle Speed (MPH [km/h])	Accelerator Pedal, % Full (%)	Percentage of Engine Throttle (%)	Fuel Injection Quantity (mm ³ /st)	Engine RPM (RPM)	Motor RPM (RPM)	Service Brake, ON/OFF
-4.75	93.8 [151]	100.0	99.5	Invalid	5,000	Invalid	OFF
-4.25	95.1 [153]	100.0	100.0	Invalid	5,100	Invalid	OFF
-3.75	95.7 [154]	100.0	100.0	Invalid	5,200	Invalid	OFF
-3.25	96.9 [156]	100.0	100.0	Invalid	5,200	Invalid	OFF
-2.75	97.6 [157]	100.0	99.5	Invalid	5,300	Invalid	OFF
-2.25	98.2 [158]	100.0	99.5	Invalid	5,300	Invalid	OFF
-1.75	99.4 [160]	100.0	99.5	Invalid	5,400	Invalid	OFF
-1.25	100.0 [161]	100.0	99.5	Invalid	5,400	Invalid	OFF
-0.75	98.8 [159]	100.0	38.5	Invalid	6,900	Invalid	OFF
-0.25	96.3 [155]	100.0	13.5	Invalid	6,500	Invalid	OFF
TRG(0)	93.8 [151]	100.0	12.5	Invalid	5,700	Invalid	OFF

Pre-Crash Data -5 to 0 Seconds (8th Prior Event, TRG 5) - Table 2 of 4

Time (sec)	ABS Control Status	BOS Control Status	Brake Oil Pressure (Mpa)	Longitudinal Acceleration , VSC Sensor (m/s ²)	Yaw Rate (deg/s)	Steering Input (degrees)	Shift Position
-4.75	OFF	OFF	0.00	1.220	-2.93	-10.5	D
-4.25	OFF	OFF	0.00	0.718	-11.71	-28.5	D
-3.75	OFF	OFF	0.00	0.646	-7.32	-22.5	D
-3.25	OFF	OFF	0.00	0.933	-2.44	1.5	D
-2.75	OFF	OFF	0.00	0.790	-1.46	4.5	D
-2.25	OFF	OFF	0.00	0.790	0.98	7.5	D
-1.75	OFF	OFF	0.00	0.861	1.46	9.0	Seq
-1.25	OFF	OFF	0.00	1.148	-1.46	4.5	N
-0.75	OFF	OFF	0.00	-0.574	-5.86	-25.5	N
-0.25	OFF	OFF	0.00	-1.148	-23.91	-88.5	D
TRG(0)	OFF	OFF	0.00	-1.364	-16.59	-142.5	D

Pre-Crash Data -5 to 0 Seconds (8th Prior Event, TRG 5) - Table 3 of 4

Time (sec)	Sequential Shift Range	Cruise Control Status	VSC Control Status	READY Signal	Drive Mode, Power Train	Drive Mode, Snow	Drive Mode, EV
-4.75	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-4.25	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.75	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-3.25	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-2.75	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-2.25	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-1.75	5	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-1.25	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-0.75	Undetermined	OFF	ON (enable)	Invalid	Normal	OFF	Invalid
-0.25	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid
TRG(0)	Undetermined	OFF	Engaged	Invalid	Normal	OFF	Invalid

Pre-Crash Data -5 to 0 Seconds (8th Prior Event, TRG 5) - Table 4 of 4

Time (sec)	Drive mode select signal
-4.75	Normal
-4.25	Normal
-3.75	Normal
-3.25	Normal
-2.75	Normal
-2.25	Normal
-1.75	Normal
-1.25	Normal
-0.75	Normal
-0.25	Normal
TRG(0)	Normal

Hexadecimal Data

Data that the vehicle manufacturer has specified for data retrieval is shown in the hexadecimal data section of the CDR report. The hexadecimal data section of the CDR report may contain data that is not translated by the CDR program. The control module contains additional data that is not retrievable by the CDR system.

PIDs	PID	Data
	00	BC F4 00 01
	01	00
	03	33 33 41 38 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30
		30 30 30
	04	FF FF FF FF
	05	01
	06	26 07
	09	30 30 30 30 30 30 30 30 30 30
	0A	06
	0B	00
	0C	30 30 30 30 30 30 30 30 30 30
	20	E8 00 00 01
	21	02 A0
	22	52 4C 19 B0 19 B0
	23	96 50 15 8B 00 00 00 50 96 13 19 B1 20 00 00 0E 96 18 19 B1 20 00
		00 0E 96 2C 19 B1 20 00 00 0E 96 3C 19 B1 20 00 00 0F 96 33 19 B1
		20 00 00 0F
	25	00 00 00 00 00 00 00 00 00
	40	00 00 00 01
	60	F7 77 00 01
	61	02 09 05 00 14 D8 00 00 00 00 00 00 03 55 03 55 00 00 00 00 03 55
		03 55 14 D8 29 B1 85 5F 14 D8 00 00 E8 00 FF FE 30 00 81 02 81 02
		80 00 FF C0 19 64 00 00 00 00
	62	55 3F FE 3F FE 00 10 00 10 00 10 00 3F FE 3F FE 3F FE 55 04 10 00 0D 00 09 11 A5
		FE 3F FE 00 10 00 10 3F FE 3F FE 3F FE 55 04 10 00 0D 00 09 11 A5
		03
	63	03 FE C8 00 00 00 03 00 08 C0 0F C0 11 C0 11 C0 10 C0 0F 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	64	03 FE 00 00 00 0C 00 01 3F FF 00 07 00 04 00 0B 00 09 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00
	66	55 3F FE 00 31 00 02 00 02 00 02 00 02 00 02 01 2E 00 16 00 3A 00 31 3F
		FE 00 31 00 02 00 02 3F FE 3F FE 3F FE 55 04 02 00 03 00 0B 19 A5
		03
	67	00 24 D8 C0 00 C0 0E C0 2D C0 83 C0 9E C0 C9 C0 D1 C0 C3 C0 C2 C0
		C6 C0 C7 C0 D0 C0 D3 C0 D1 C0 D3 C0 D2 C0 D2 C0 D3 C0 D5 C0 D5 C0
		D5 C0 D4 C0 D7 C0 D9 00 00 00 00 00 C0 DA 0D D5
	68	00 05 00 00 3F FA 3F F5 00 56 00 B5 00 5F 00 9C 00 80 00 68 00 59
		00 54 00 6B 00 71 00 2F 00 1B 3F FA 3F EA 3F CD 3F AD 3F 9C 3F 91
		3F 9B 3F 96 3F A4 00 00 00 00
	6A	55 3F FE 00 13 3F FE 3F FE 3F FE 00 13 3F FE 3F FE 3F FE 55 04 13 00 0B 00 10 82 A5
		FE 00 13 3F FE 00 13 3F FE 3F FE 3F FE 55 04 13 00 0B 00 10 82 A5
		08
	6B	03 FE CD C0 00 FF F7 FF EE FF EC FF EB FF E7 FF E0 FF DF FF DC FF
		DB FF DB FF DA FF D8 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 FF D4 0D 01
	6C	03 FE 00 00 00 12 00 29 00 30 00 47 00 73 00 86 00 9F 00 B9 00 BB
		00 B9 00 CA 00 CD 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00
	6E	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00
	6F	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	70	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00
	80	00 00 00 01
	A0	0C 0C FF FD
	A5	AA 00 00 00 00 00 00 00 00 00 00 00 00 AA 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	A6	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 88
	00 12 00 00 00 00 01
AD	55 0C BE 0C BE 0C BE 0C BE 0C BE 0C BE 0C BE 55 D7 FB FC 02 02 FC F8 F9
	FF FC F6 E6 DC E9 07 16 1E 17 19 17 F6 E1 05 27 1A FC F2 EC F1 FB
	0C 10 FC 40 27 25 19 46 16 25 23 00 00 A5 40
AE	FF FE FE FE FD FD FC FC FC FD FE 00 00 00 00 FC FA FB FD
	FE 00 FF 01 01 00 FF FE FF 00 15 F6 EC 00 02 01 01 00 00 FF FE
	00 05 FF 81 03 7F 0E
B3	55 03 4A 00 0A 02 00 FE A5 08 55 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 19 B0 00 00 10
	89 00 00 80 8E 02
B4	30 30 31 31 31 31 31 30 31 31 31 30 33 35 32 34 34 3A 4B 55 60 58
	4C 4B 3D 32 31 30 30 30 2F 30 31 30 30 2F 31 33 35 37 39 35 37 37
	32 32 32 32 32 32 32 32 01 FE 01 FE
B5	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 F9 F1 EE FA FC F6 FB 00 02
	FC FD FD 00 00 00 00 00 00 00 00 00 00 03 00 00 00 09 15 0E FA DC
	D5 00 FD 09 0B EB F6 01 01 FE 00 40
B6	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 01 FE 01 FE
B7	00 00 00 00 00 00 00 00 00 00 FD FD 00 FC F8 F8 F8 F3 F9 FF FB F6 FD
	FC FC FA FF 00 00 00 00 00 00 00 00 00 02 03 03 01 07 08 16 10 13
	04 05 0F 07 F7 F7 00 02 01 FE 01 FE
B8	FF FC FF 03 04 FF FA FD 25 E7 08 D3 14 10 34 62 5C 53 27 B5 CE F3
	0D 67 3C A8 00 06
B9	55 02 D5 00 0F 11 00 FE A5 08 55 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 19 B0 00 00 10
	90 00 00 80 8E 02
BA	32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32
	32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32
	32 32 32 32 32 32 32 32 01 FE 01 FE
BB	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 01 04 0A 0E 0B 05 02 FE FD FA FB FB
	F8 F9 F9 FD FF FF 00 00 01 FE 01 FE
BC	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 01 FE 01 FE
BD	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 01 FE 01 FE
BE	00 00 01 02 02 03 07 0A 09 0F 15 1B 08 F7 08 1B 10 13 2D 1D 12 0F
	0E 0F 16 16 01 FE
C0	FF FF FF E1
C1	55 00 C6 00 11 01 00 FE 00 00 55 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 19 B0 00 00 10
	91 00 00 80 8E 02
C2	32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32
	32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32
	32 32 32 32 32 32 32 32 01 FE 01 FE
C3	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 FF FE FF FE 00 02 00 02 01 03 02 02 00 01 00
	03 03 04 02 00 00 00 00 01 FE 01 FE
C4	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 01 FE 01 FE
C5	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 01 FE 01 FE
C6	10 17 0C FF FB 01 FE 0A 0E 0D 02 00 FF F7 FB FF FF 00 FC F6 F6 FC
	00 02 03 00 01 FE
C7	55 02 7D 00 0E 10 00 FE 00 00 55 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 19 B0 00 00 10
	8D 00 00 80 8E 02
C8	32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32
	32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32
	32 32 32 32 32 32 32 32 01 FE 01 FE
C9	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 01 00 00 00 00 00 00 00 00 00 00 00 00 00 01 01 01
	01 01 01 01 01 01 00 00 01 FE 01 FE
CA	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 01 FE 01 FE
CB	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 01 FE 01 FE
CC	FD FD FF 01 02 04 04 05 0A 1C 15 03 00 00 FC FA 00 07 0B 0E 02 F9
	FA FC 00 00 01 FE
CD	55 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 19 B0 00 00 10 85 00 00 80 8E 02 55 02 11 00
	00
CE	55 19 63 30 11 11 B0 01 10 00 9A 9C 9D 9E A0 A1 9F 9B 96 8E 87 C8
	C8 C8 C8 C8 C8 C8 C8 C8 C8 C8 00 00 00 34 34 35 35 36 36 45 41 33
	43 44 00 00 50 00 00 00
CF	00 00 00 00 00 00 00 00 01 00 00 F1 FB FD 02 03 FD F4 CF F8 DD E9
	09 0D 0B 0B 0C 10 F8 F0 F3 EC DB C8 C8 C7 C7 C7 C7 4D 1B 53 2F 2A
	00 00 00
D0	00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00
	FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE
D1	03 F1 00 01 00 03 00 05 00 06 00 03 03 EF 03 C5 03 8E 03 90 03 9C
	00 02 00 02 00 02 00 02 00 02 00 02 00 02 00 06 00 26 00 06 00 22
D2	55 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 19 B0 00 00 10 89 00 00 80 8E 02 55 02 11 00
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D3	55 19 63 10 11 1B 00 11 00 00 9C 9D 9E A0 A1 9F 9B 96 8E FE FE C8
	C8 C8 C8 C8 C8 C8 C8 C8 FE FE 00 00 28 34 35 35 36 36 45 41 33 43
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D5	00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00
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D6	00 01 00 03 00 05 00 06 00 03 03 EF 03 C5 03 8E 03 90 01 FE 01 FE
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D7	55 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
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D8	55 19 63 93 11 B0 01 10 00 00 9D 9E A0 A1 9F 9B 96 8E FE FE FE C8
	C8 C8 C8 C8 C8 C8 C8 FE FE FE 00 00 A8 35 35 36 36 45 41 33 43 FE
	FE FE 00 50 00 00 00 00
D9	00 00 00 00 00 00 01 00 FE FE FE FD 02 03 FD F4 CF F8 DD 7E 7E 7E
	0B 0B 0C 10 F8 F0 F3 EC 7E 7E 7E C7 C7 C7 C7 4D 1B 53 2F FE FE FE
	00 00 A8
DA	00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00
	FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE
DB	00 03 00 05 00 06 00 03 03 EF 03 C5 03 8E 03 90 01 FE 01 FE 01 FE
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F0	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
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	00
F1	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
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F6	55 19 63 53 1B 00 11 00 00 00 9E A0 A1 9F 9B 96 8E FE FE FE FE C8
	C8 C8 C8 C8 C8 C8 FE FE FE 00 02 A8 35 36 36 45 41 33 43 FE FE
	FE FE 05 00 00 00 00 00
F7	00 00 00 00 00 01 00 FE FE FE FE 02 03 FD F4 CF F8 DD 7E 7E 7E 7E
	0B 0C 10 F8 F0 F3 EC 7E 7E 7E 7E C7 C7 C7 4D 1B 53 2F FE FE FE FE

	00 02 A8
F8	00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE
F9	00 05 00 06 00 03 03 EF 03 C5 03 8E 03 90 01 FE 01 FE 01 FE 01 FE 00 02 00 02 00 02 00 02 00 06 00 26 00 06 00 5A 00 5A 00 5A 00 5A
FA	55 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 19 B0 00 00 10 7D 00 00 80 8E 02 55 02 11 00 00
FB	55 19 63 40 11 11 11 B0 01 10 97 99 9A 9C 9D 9E A0 A1 9F 9B 97 C8 C8 C8 C8 C8 C8 C8 C8 C8 C8 C8 00 00 00 32 33 34 34 35 35 36 36 45 41 39 00 00 00 50 00 00
FC	00 00 00 00 00 00 00 00 00 00 00 00 FA E8 F1 FB FD 02 03 FD F4 CF DE 11 0A 09 0D 0B 0B 0C 10 F8 F0 ED C7 C8 C8 C8 C7 C7 C7 C7 4D 1B 19 00 00 00
FD	00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE
FE	03 F9 03 ED 03 F1 00 01 00 03 00 05 00 06 00 03 03 EF 03 C5 03 A1 00 02 00 02 00 02 00 02 00 02 00 02 00 02 00 02 00 02 00 06 00 06

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