Reconstruction Group Attachment – 2021 Tesla EDR Report

Coral Gables, FL

HWY21FH011

(31 pages)

EDR Report

File Information	Value
VIN	5YJ3E1EB2MF[redacted]
Retrieval Date	2021/10/26 21:06:32 (UTC)
Retrieval User Comments	
Retrieval Program Information	Tesla EDR Retrieval Program v20.20.1
EDR Report Information	Tesla EDR Reporting Service v21.36.1
Report Date	2021/10/26 21:05:45 (GMT)
Number Of Events	1
Time From Event 1 To 2 (seconds)	N/A
Ignition Cycle At Retrieval	162
RCM Part Number	1512876-00-B

Model 3 Data Limitations

General Data Limitations

This report represents data from a Tesla Event Data Recorder (EDR). The report was generated using EDR data that was uploaded to the Tesla EDR Report Service at https://edr.tesla.com. This service is periodically updated using the most current vehicle information available and report users should always ensure that the report was generated by the most recent version of the Report Service.

The Tesla EDR Retrieval Program and Tesla EDR Report Service are designed for vehicles configured for the North American market region only. Report elements found in this report may not have not been validated for vehicles configured for regions outside of North America.

The EDR is part of the vehicle's Restraints Control Module (RCM). When the EDR senses a crash or crash-like event, it may record a short period of data related to vehicle dynamics and safety systems. This recorded data may assist in understanding the crash or crash-like event. EDR data will only be recorded by a Tesla vehicle if the EDR senses a crash or crash-like event; no data is recorded by the EDR under normal driving conditions.

EDR data should only be used as part of a thorough and competent review of the human, vehicle, and environmental information associated with an event. The data recorded by the EDR has limitations including the number of items recorded, the time period of the recording, the data sampling interval, and the data range and resolution. Additionally, EDR data may be limited by sensor capabilities or the availability of 12 V DC power at the RCM. For these and other potential reasons, the EDR data may not capture an entire event, and the data elements captured may not fully represent all aspects of a given event.

Tesla has made all reasonable efforts to include sufficient information in this report's Data Limitations section to clarify terminology and data elements found in this document to assist the end user in understanding the recorded data. Tesla reserves the right to update, change or modify this information.

Event Data Recorder
: An Event Data Recorder is defined as a device or function in a vehicle that records the vehicle's dynamic time-series data during the time period just prior to a crash event (e.g., vehicle speed vs. time) or during a crash event (e.g., delta–V vs. time), intended for retrieval after the crash event. For the purposes of this definition, the event data do not include audio and video data (49 CFR Part 563).

Data Synchronization
: Pre-crash and crash data are recorded in discrete intervals and may be asynchronous.

Events
: The Model 3 RCM can store up to two events: Event 1 and Event 2. The conditions for triggering the recording of an event differs depending on event type.

Time Zero
: Time Zero, as indicated throughout the event record, is the point where the restraint control algorithm is activated in any sensing direction.

Recording duration
: The end of an event is typically the moment at which the cumulative delta-V within a 20ms time period does not change by more than 0.8 km/h or the moment at which the crash detection algorithm of the RCM resets. Some events may lead to the recording of different duration data as provided for by 49 CFR Part 563.

Deployment events
: A deployment event may be recorded when the RCM commands the deployment of a device (e.g. airbag, pretensioner, or High Voltage (HV) battery disconnect). Airbag deployment events are always locked in memory and are never overwritten. Pretensioner/HV disconnect only deployments may not be locked and may be overwritten.

Non-deployment events
: A non-deployment event may be recorded when the RCM senses a physical occurrence triggering the recording of an event but does not command the deployment of a device (e.g. airbag, pretensioner, High Voltage (HV) battery disconnect). A non-deployment event is recorded if one of the two event memory locations is available (not locked). Non-deployment events are not locked in memory. A non-deployment event is overwritten by another non-deployment event or a deployment event.

Data polarity
: Where applicable, the data in this report follows the polarity conventions found in SAE J1733 and J211. For example, forward longitudinal acceleration and resultant delta-V are positive and left-to-right lateral acceleration and resultant delta-V are positive. Positive roll angle is rotation about the vehicle's longitudinal axis using the right hand rule (clockwise vehicle roll when viewed from the rear of the vehicle). Positive steering wheel angle is clockwise rotation of the steering wheel (steering to the right from straight). Positive yaw rate is when the vehicle (seen from above) is rotating clockwise around the z-axis.

Signal Not Available (SNA)
: Signal Not Available (SNA) indicates a data element which is not available due to a fault or network communication disruption with the sensor that supplies the data to the EDR.

Data Element Definitions

Vehicle Identification Number (VIN)

The Vehicle Identification Number (VIN) is stored in the RCM when it is installed at the Tesla Fremont Factory or by Tesla Service. The last 6 digits of the VIN can be anonymized by selecting the "Save without VIN sequence number" option in the Tesla EDR Retrieval Program.

Number Of Events

The Number Of Events represents the total number of events that are stored in the RCM memory. The maximum number of events that can be recorded is two.

Time From Event 1 to 2 (seconds)

The Time From Event 1 to 2 is the amount of time elapsed between the Time Zero of two linked events (if applicable). Linked events must occur within 5 seconds and in the same ignition cycle. Non-linked events will report "N/A" in the Time From Event 1 to 2 value. The value is reported to the nearest fully elapsed 0.1 seconds.

Retrieval Date

The Retrieval Date is the calendar date and time when the data was retrieved from the RCM. This date and time is sourced from the computer that was used to retrieve the data. This is not the date and time of an event.

Retrieval User Comments

The Retrieval User Comments is an open field that can be used by the Tesla EDR Retrieval operator to record text comments at the time of retrieval.

Retrieval Program Information

The Retrieval Program Information is the version number of the Tesla EDR Retrieval Program that was used to retrieve the EDR data from the RCM.

EDR Report Information

The EDR Report Information identifies the version of the Tesla EDR Report Service.

Report Date

Report Date is the calendar date when the online Tesla EDR Report Service was used to generate the report. The source of this data element is the Tesla server.

Ignition Cycle At Retrieval

The Ignition Cycle At Retrieval is the number of times that the RCM had been powered on as reported at the time that the Tesla EDR Retrieval Program was used to retrieve the data from the RCM. The maximum value for ignition cycles is over 4 billion.

Maximum Delta-V, Longitudinal/Lateral (km/h)

The Maximum Delta-V, Longitudinal/Lateral is the maximum magnitude of the recorded delta-V during the event. The value is truncated at whole kilometer per hour resolution. The range for Maximum Delta-V is -100 km/h to +100 km/h. The source of the data is the internal calculation (integration) of the sensor data inside of the RCM.

Time to Maximum Delta-V, Longitudinal/Lateral (ms)

The Time to Maximum Delta-V, Longitudinal/Lateral is the time from Time Zero to the maximum magnitude of the recorded delta-V during the event. The maximum value is 300 ms and the value is reported to the nearest millisecond.

Time to Maximum Delta-V, Resultant (ms)

The Time to Maximum Delta-V, Resultant is the time from Time Zero to the calculated maximum resultant of the longitudinal and lateral delta-V components. The maximum value is 300 ms and the value is reported to the nearest millisecond.

Longitudinal Acceleration Sensor Clipping

The Longitudinal Acceleration Sensor Clipping data element indicates the first data point (in time) at which the maximum range of the longitudinal (x) accelerometer was exceeded. In this case, the actual acceleration (and calculated delta-v) of the vehicle may be more than the reported value. Only the first instance of sensor clipping is reported.

Lateral Acceleration Sensor Clipping

The Lateral Acceleration Sensor Clipping data element indicates the first data point (in time) at which the maximum range of the lateral (y) accelerometer was exceeded. In this case, the actual acceleration (and calculated delta-v) of the vehicle may be more than the reported value. Only the first instance of sensor clipping is reported.

Ignition Cycle At Event

The Ignition Cycle At Event is the number of times that the RCM had been powered on as reported at Time Zero. The maximum value for ignition cycles is over 4 billion.

Ignition Cycle Runtime

Ignition Cycle Runtime is the total cumulated time from when the RCM was powered on to Time Zero for a given event. The maximum value of Ignition Cycle Runtime is over 70 million minutes and the resolution is 0.1 minutes.

Odometer At Event Time Zero

Odometer At Event Time Zero is the value of the vehicle's lifetime mileage accumulation at Time Zero. The maximum value for this data element is over 1 million kilometers and the resolution is 0.1 kilometers.

Airbag Warning Lamp Status

Airbag Warning Lamp Status indicates the commanded state of the warning lamp as "on" or "off" within approximately the last second before Time Zero.

ABS Warning Indicator Status

ABS Warning Indicator Status indicates the commanded state of the warning lamp as "on" or "off" within approximately the last second before Time Zero.

Vehicle Drive Mode

Vehicle Drive Mode is the status of the vehicle's powertrain setting within approximately the last second before Time Zero . Possible values for this data element include Park, Reverse, Neutral and Drive.

Driver/Passenger Safety Belt Status

The Driver/Passenger Safety Belt Status is the recorded status of the safety belt at the time of the event. This data element is recorded one second before Time Zero.

Occupant Classification In Front Passenger Seat

The Occupant Classification data element indicates the detected occupant type in the front passenger seat. Values include: Empty, Child, Small Adult, Large Adult, or Not Configured.

Passenger Seat Position

Passenger Seat Position indicates the recorded seat track position of the passenger seat. The possible values are Rearward and Forward.

Passenger Airbag Suppression Switch Status

The Passenger Airbag Suppression Switch Status represents the user selected status of the front passenger airbag system at one second prior to Time Zero. This switch is accessible using the vehicle's user interface. A "on" status indicates that the user has manually activated the front passenger airbag system. A "off" status indicates that the user has manually deactivated the front passenger airbag system. A "auto" status indicates that the vehicle has automatically activated or deactivated the front passenger airbag system based on the occupant classification system. In some regions, a "on" status may be reported but the option was not provided to user via the user interface (always "on" systems).

Rear occupant seat status

The Model 3 may record data associated with the second row seat occupancy and seat belt status. Seat occupancy status may not identify small occupants or child seats. The possible values for occupancy status include: Not Occupied or Occupied, or Not Available. The possible values for rear occupant seat belt status are Buckled, Not Buckled, or Not Available.

Driver Airbag Deployment 2nd Stage Disposal

This data element indicates if the driver airbag second stage was commanded to deploy (either for occupant restraint or propellant disposal purposes).'

Right Front Passenger Airbag Deployment 2nd Stage Disposal

This data element indicates if the passenger airbag second stage was commanded to deploy (either for occupant restraint or propellant disposal purposes).

Complete File Recorded

Complete File Recorded indicates whether or not the complete data set available to the EDR was successfully recorded.

Deployment Summary

The Deployment Summary table indicates which of the deployable safety devices (if any) were commanded to deploy and at what time (relative to the event Time Zero). The possible values for the status of each device is "Deployment Commanded" or "Deployment Not Commanded". The deployment commanded time is to the nearest millisecond.

Time Series Data

All time references are based on the event definition of Time Zero.

Vehicle Speed

Vehicle Speed is calculated using the four wheel speed signals as well as inertial acceleration measurements. This speed will be reported either in kilometers per hour or miles per hour, depending on vehicle configuration. The minimum value for vehicle speed is 0 and the maximum value is greater than 200 km/h (124 mph). The resolution of Vehicle Speed is to the nearest kilometer per hour or mile per hour, depending on vehicle configuration.

Accelerator Pedal (%)

Accelerator Pedal (%) is the percent of full application of the accelerator pedal. The resolution of Accelerator Pedal (%) is to the nearest percent.

Rear Motor Speed (rpm)

Rear Motor Speed is the rate of rotation of the rear drive motor. The maximum value for Rear Motor Speed is 17,900 rpm (revolutions per minute). The resolution of Rear Motor Speed is to the nearest 1 rpm. Positive RPM values indicate that the vehicle motor is rotating negatively about the vehicle's lateral (y) axis, which provides forward motive force.

Service Brake

Service Brake indicates the status of the driver's application of the brake pedal as reported by the brake booster. The possible values for Service Brake are "On" (pedal being applied by driver) and "Off" (pedal not being applied by driver).

Stability Control

Stability Control is the status of the Electronic Stability Control system (ESC). The possible values are "On" (meaning the ESC was enabled but not active), "Off" (meaning the ESC was turned off), and "Engaged" (meaning that the ESC was active).

ABS Activity

ABS Activity is the status of the Anti-lock Braking System (ABS). The possible values are "On" (meaning the ABS was active) and "Off" (meaning the ABS was not active). Active ABS status does not necessarily indicate that the ABS control unit was actively modulating braking at one or more wheels.

Steering Wheel Angle (deg)

Steering Wheel Angle represents the measured rotational angle of the steering wheel. The range of Steering Wheel Angle data is -819 deg to +819 deg. The steering wheel angle value is truncated to the nearest whole degree. Data is recorded for 5 seconds prior to Time Zero every 0.1 seconds.

Normal Time Series Acceleration data

Normal Time Series Acceleration Data indicates the measured physical acceleration of the vehicle in the vertical direction parallel to the pull of gravity. The source of the data is an accelerometer located inside the RCM. The resolution of acceleration data is 0.04 g and the data is reported every 10 ms from 900 ms before Time Zero and 500 ms After Time Zero. The range of acceleration data is -4.8 g to +4.8 g.

Lateral/Longitudinal Pre-Crash Acceleration

Lateral and Longitudinal Pre-Crash Acceleration data is the measured physical acceleration of the vehicle as measured at the RCM during the 5 seconds prior to (and including) Time Zero.

Roll/Yaw Rate Pre-Crash Data

Roll and Yaw Rate Pre-Crash data is the measured angular velocity of the RCM for the 5 seconds prior to (and including) Time Zero. The resolution of this data element is to the nearest 0.1 degrees/second and the samples are recorded every 0.1 seconds.

Longitudinal/Lateral Delta-V data

Longitudinal and Lateral Time Series Delta-V Data indicates the change in velocity of the vehicle. The source of the data is the internal calculation (integration) of the sensor data inside of the RCM. The value is truncated at whole kilometer per hour resolution and the data is reported every 10 ms after Time Zero. The range for delta-V data is -100 km/h to +100 km/h.

Longitudinal/Lateral Time Series Acceleration data

Longitudinal and Lateral Time Series Acceleration Data indicates the measured physical acceleration of the vehicle. The source of the data is the accelerometers located inside the RCM. The resolution of acceleration data is 0.8 g and the data is reported every 0.5 ms after Time Zero. The range of acceleration data is -96 g to +96 g.

Lateral/Longitudinal/Normal Pre-Crash Acceleration data

Lateral, Longitudinal and Normal Pre-Crash Acceleration data is the measured physical acceleration of the vehicle as measured at the RCM. The resolution of acceleration data is 0.04 g and the data is reported every 100 ms 5 seconds prior to (and including) Time Zero. The range of acceleration data is -5 g to +5 g.

Roll Angle

Roll Angle indicates the vehicle roll angle at a specific time before and/or after Time Zero. The source of the data is the internal calculation (integration) of the sensor data inside of the RCM. The recording time for Roll Angle Data is 1 second before and 5 seconds after Time Zero and is sampled every 100 ms. The range of roll angle data is -1,270 deg to +1,270 deg and the resolution of roll angle data is to the nearest 10 deg.

Serial Numbers

Serial numbers are the sensor identification numbers that are stored in the RCM. These values are stored when the RCM is powered up (each ignition cycle).

Hexadecimal Data

The Hexadecimal Data found in this report represents the original, raw data and identifying information retrieved from the RCM accessed to ultimately generate this report. The binary data is represented in hexadecimal format as a matter of convenience. While it represents all the raw data retrieved from the subject RCM not all of that raw data may be used in a given report or application.

Event 1 Data Record

Data Element	Value
Maximum Delta-V, Longitudinal (km/h)	-78
Time To Maximum Delta-V, Longitudinal (ms)	287.5
Maximum Delta-V, Lateral (km/h)	-74
Time To Maximum Delta-V, Lateral (ms)	132.5
Time To Maximum Delta-V, Resultant (ms)	287.5
Longitudinal Acceleration Sensor Clipping (ms)	33
Lateral Acceleration Sensor Clipping (ms)	26
Ignition Cycle At Event	161
Ignition Cycle Runtime (minutes)	30.1
Odometer At Event Time Zero (km)	768.5
Airbag Warning Lamp Status	Off
ABS Warning Indicator Status	On
Driver Safety Belt Status	Belted
Passenger Safety Belt Status	Belted
Second Row Left Safety Belt Status	Not Belted
Second Row Center Safety Belt Status	Not Belted
Second Row Right Safety Belt Status	Not Belted
Occupant Classification Status In Front Passenger Seat	Large Adult
Second Row Left Seat Occupancy Status	Not Occupied
Second Row Center Seat Occupancy Status	Not Occupied
Second Row Right Seat Occupancy Status	Not Occupied
Passenger Seat Track Position	Rearward
Passenger Airbag Suppression Switch Status	Not Configured
Vehicle Drive Mode	SNA
Driver Airbag Deployment 2nd Stage Disposal	No
Right Front Passenger Airbag Deployment 2nd Stage Disposal	No
Complete File Recorded	Yes

Deployment Summary (Event 1)

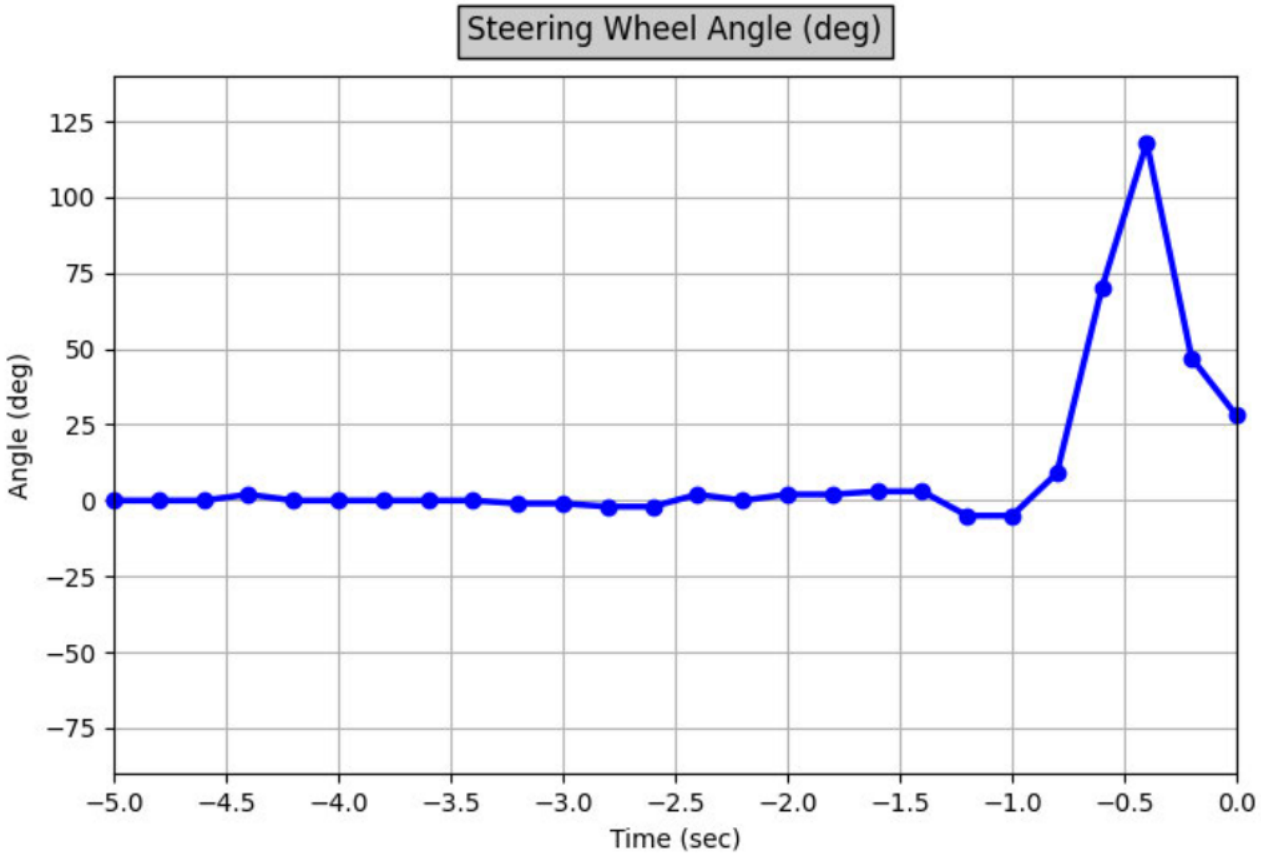
Device	Status	Deployment Command Time (ms)
Driver Front Airbag Stage 1	Deployment Commanded	24
Driver Front Airbag Stage 2	Deployment Commanded	29
Driver Front Airbag Active Vent	Deployment Commanded	209
Driver Knee Airbag	Deployment Commanded	24
Passenger Front Airbag Stage 1	Deployment Commanded	24
Passenger Front Airbag Stage 2	Deployment Commanded	29
Passenger Front Airbag Active Vent	Deployment Commanded	209
Passenger Knee Airbag	Deployment Commanded	24
1st Row Left Seat Side Airbag	Deployment Not Commanded	
Left Curtain Airbag (1st Row)	Deployment Commanded	30
1st Row Left Retractor Pre-tensioner	Deployment Commanded	17
1st Row Left Outboard Lap Pre-tensioner	Deployment Commanded	17
1st Row Left Load Limiter	Deployment Commanded	54
1st Row Right Seat Side Airbag	Deployment Commanded	17
Right Curtain Airbag (1st Row)	Deployment Commanded	17
1st Row Right Retractor Pre-tensioner	Deployment Commanded	17
1st Row Right Outboard Lap Pre-tensioner	Deployment Commanded	17
1st Row Right Load Limiter	Deployment Commanded	94
2nd Row Left Seat Side Airbag	Deployment Not Commanded	
2nd Row Left Curtain Airbag	Deployment Not Commanded	
2nd Row Left Retractor Pre-tensioner	Deployment Not Commanded	
2nd Row Right Seat Side Airbag	Deployment Not Commanded	
2nd Row Right Curtain Airbag	Deployment Not Commanded	
2nd Row Right Retractor Pre-tensioner	Deployment Not Commanded	

Event Data (Event 1)

Time (sec)	Service Brake	Stability Control	ABS Activity
-5.0	Off	Not Engaged	Off
-4.8	Off	Not Engaged	Off
-4.6	Off	Not Engaged	Off
-4.4	Off	Not Engaged	Off
-4.2	Off	Not Engaged	Off
-4.0	Off	Not Engaged	Off
-3.8	Off	Not Engaged	Off
-3.6	Off	Not Engaged	Off
-3.4	Off	Not Engaged	Off
-3.2	Off	Not Engaged	Off
-3.0	Off	Not Engaged	Off
-2.8	Off	Not Engaged	Off
-2.6	Off	Not Engaged	Off
-2.4	Off	Not Engaged	Off
-2.2	Off	Not Engaged	Off
-2.0	Off	Not Engaged	Off
-1.8	Off	Not Engaged	Off
-1.6	Off	Not Engaged	Off
-1.4	Off	Not Engaged	Off
-1.2	Off	Faulted	Off
-1.0	Off	Faulted	Off
-0.8	Off	Faulted	Off
-0.6	Off	Faulted	Off
-0.4	Off	Faulted	Off
-0.2	Off	Faulted	Off
0.0	Off	Faulted	Off

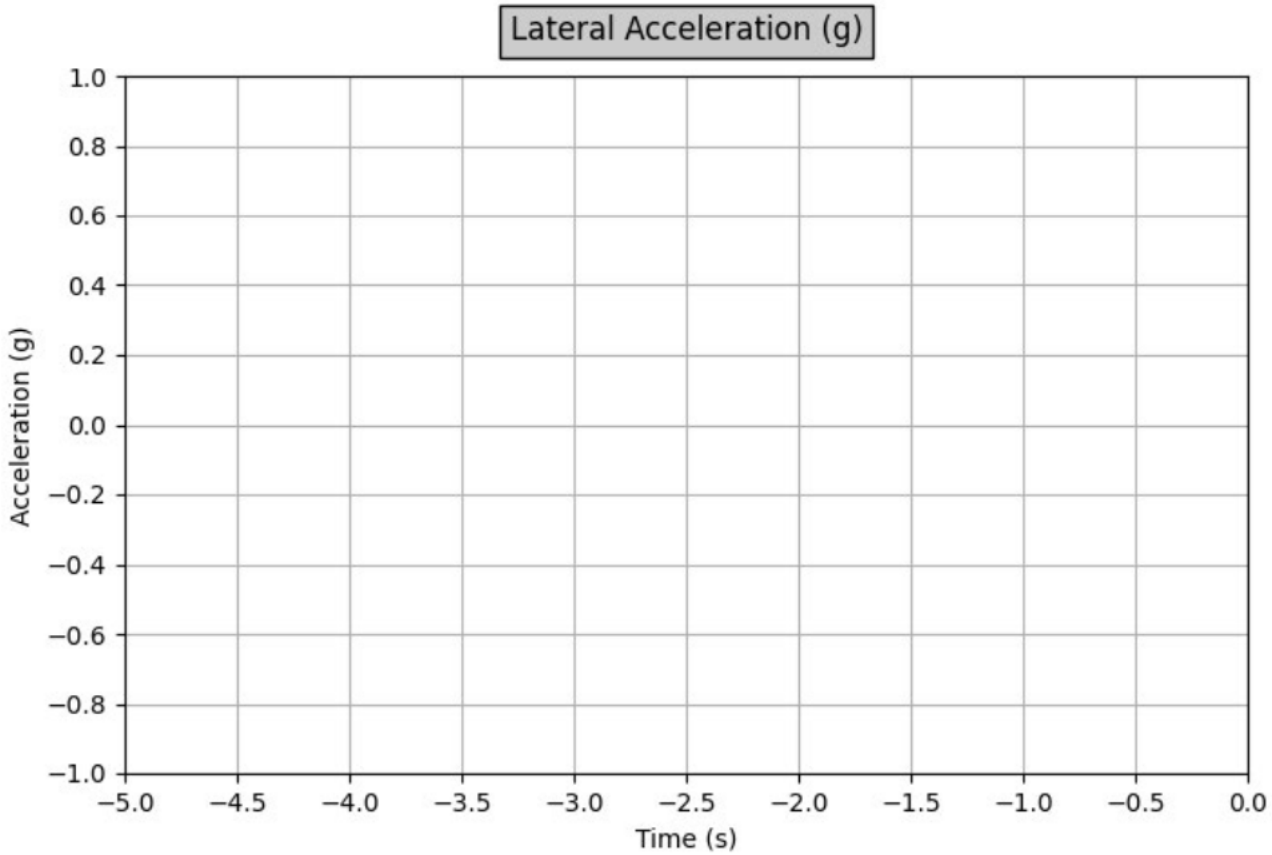
Time (sec)	Vehicle Speed (mi/h)	Accelerator Pedal (%)	Rear Motor Speed (rpm)
-5.0	68.0	92.4	7981
-4.8	70.0	93.2	8228
-4.6	72.0	93.2	8443
-4.4	73.0	100.0	8578
-4.2	75.0	100.0	8765
-4.0	77.0	100.0	8956
-3.8	78.0	100.0	9170
-3.6	80.0	100.0	9347
-3.4	81.0	100.0	9506
-3.2	83.0	100.0	9735
-3.0	84.0	100.0	9857
-2.8	85.0	100.0	9990
-2.6	87.0	100.0	10131
-2.4	88.0	41.2	10352
-2.2	89.0	31.2	10353
-2.0	89.0	31.2	10389
-1.8	90.0	0.0	10351
-1.6	90.0	0.0	10387
-1.4	89.0	0.0	9864
-1.2	89.0	0.0	10062
-1.0	86.0	0.0	9867
-0.8	86.0	0.0	9650
-0.6	87.0	0.0	9751
-0.4	83.0	0.0	9218
-0.2	81.0	0.0	9100
0.0	52.0	87.2	8426

Steering Wheel Angle (Event 1)



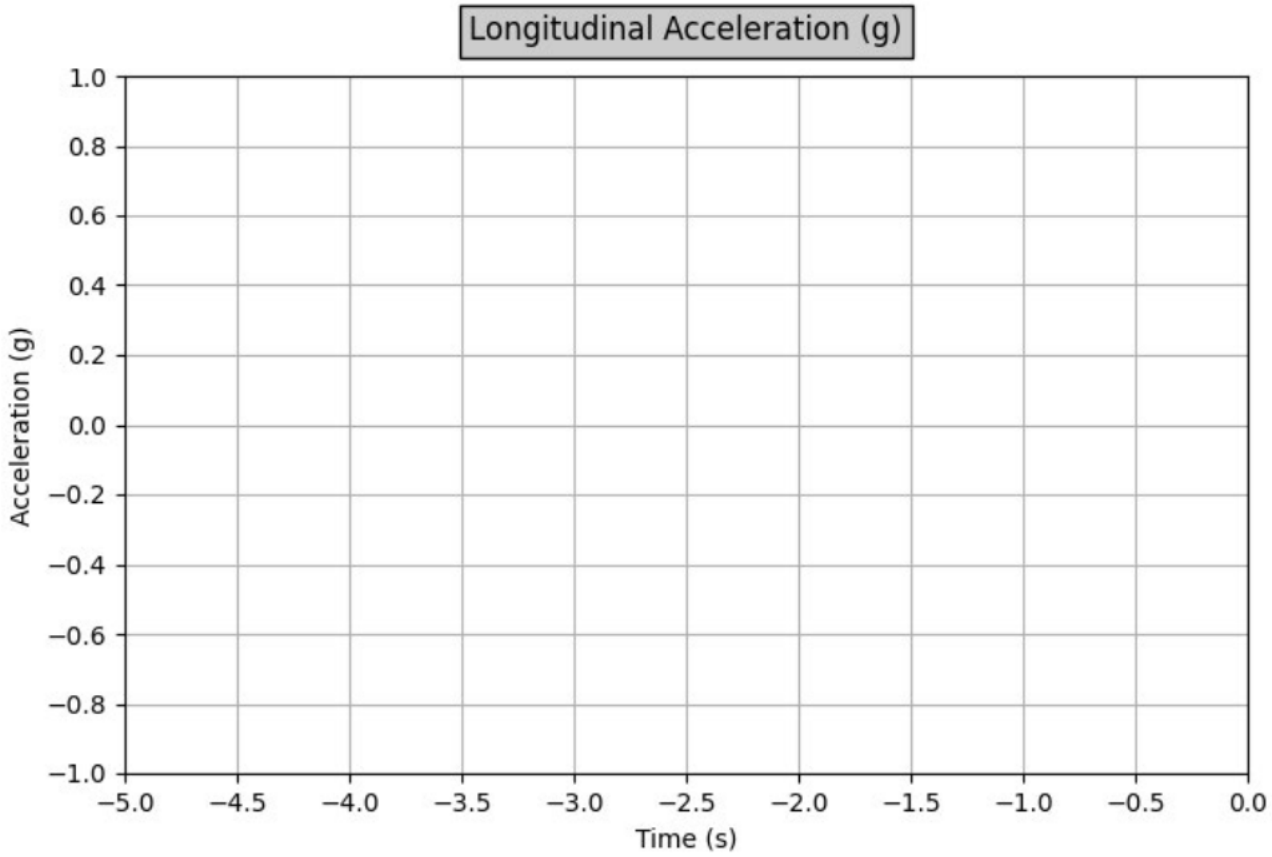
Time (sec)	Angle (deg)	Time (sec)	Angle (deg)
-5.0	0	-2.4	2
-4.8	0	-2.2	0
-4.6	0	-2.0	2
-4.4	2	-1.8	2
-4.2	0	-1.6	3
-4.0	0	-1.4	3
-3.8	0	-1.2	-5
-3.6	0	-1.0	-5
-3.4	0	-0.8	9
-3.2	-1	-0.6	70
-3.0	-1	-0.4	118
-2.8	-2	-0.2	47
-2.6	-2	0.0	28

Lateral Pre-Crash Acceleration (Event 1)



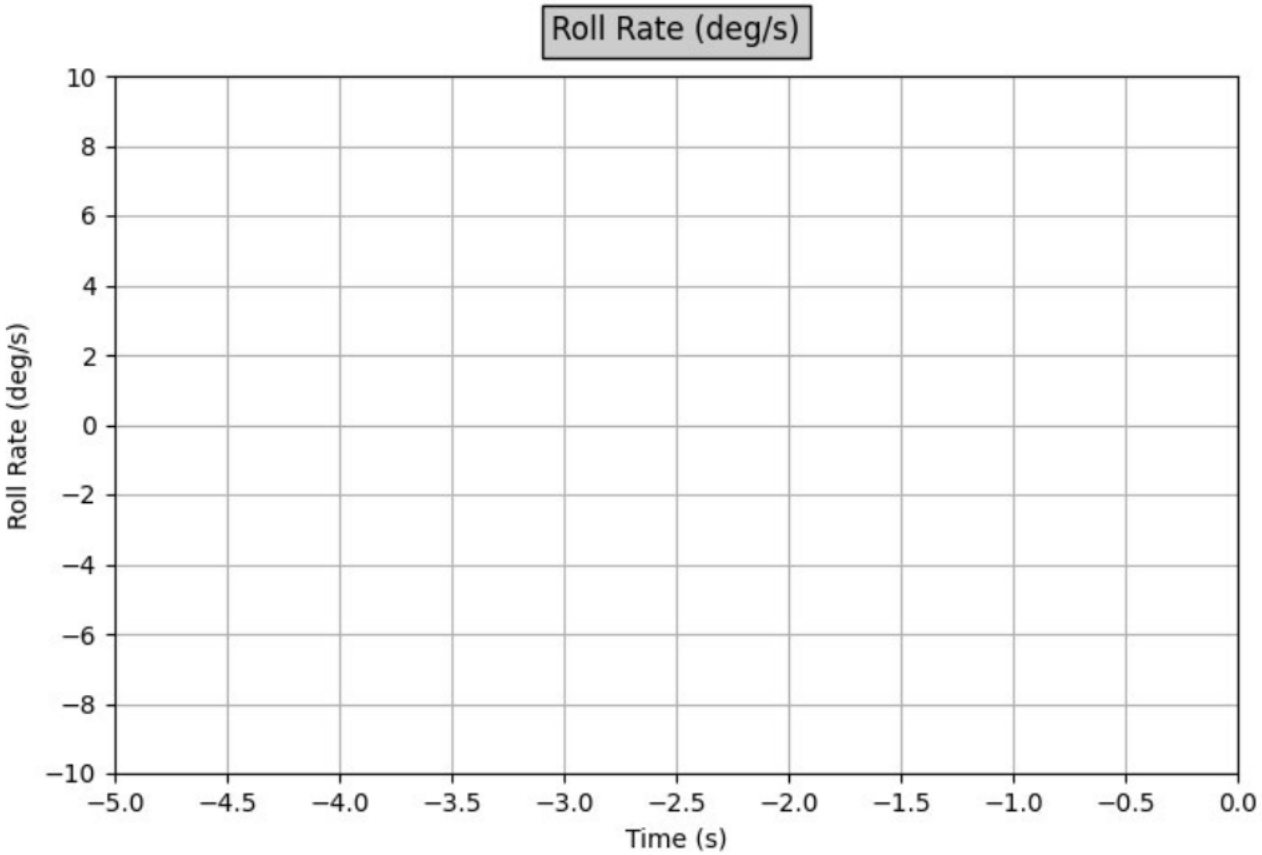
Time (s)	Acceleration (g)	Time (s)	Acceleration (g)	Time (s)	Acceleration (g)
-5.0	SNA	-3.3	SNA	-1.6	SNA
-4.9	SNA	-3.2	SNA	-1.5	SNA
-4.8	SNA	-3.1	SNA	-1.4	SNA
-4.7	SNA	-3.0	SNA	-1.3	SNA
-4.6	SNA	-2.9	SNA	-1.2	SNA
-4.5	SNA	-2.8	SNA	-1.1	SNA
-4.4	SNA	-2.7	SNA	-1.0	SNA
-4.3	SNA	-2.6	SNA	-0.9	SNA
-4.2	SNA	-2.5	SNA	-0.8	SNA
-4.1	SNA	-2.4	SNA	-0.7	SNA
-4.0	SNA	-2.3	SNA	-0.6	SNA
-3.9	SNA	-2.2	SNA	-0.5	SNA
-3.8	SNA	-2.1	SNA	-0.4	SNA
-3.7	SNA	-2.0	SNA	-0.3	SNA
-3.6	SNA	-1.9	SNA	-0.2	SNA
-3.5	SNA	-1.8	SNA	-0.1	SNA
-3.4	SNA	-1.7	SNA	0.0	SNA

Longitudinal Pre-Crash Acceleration (Event 1)



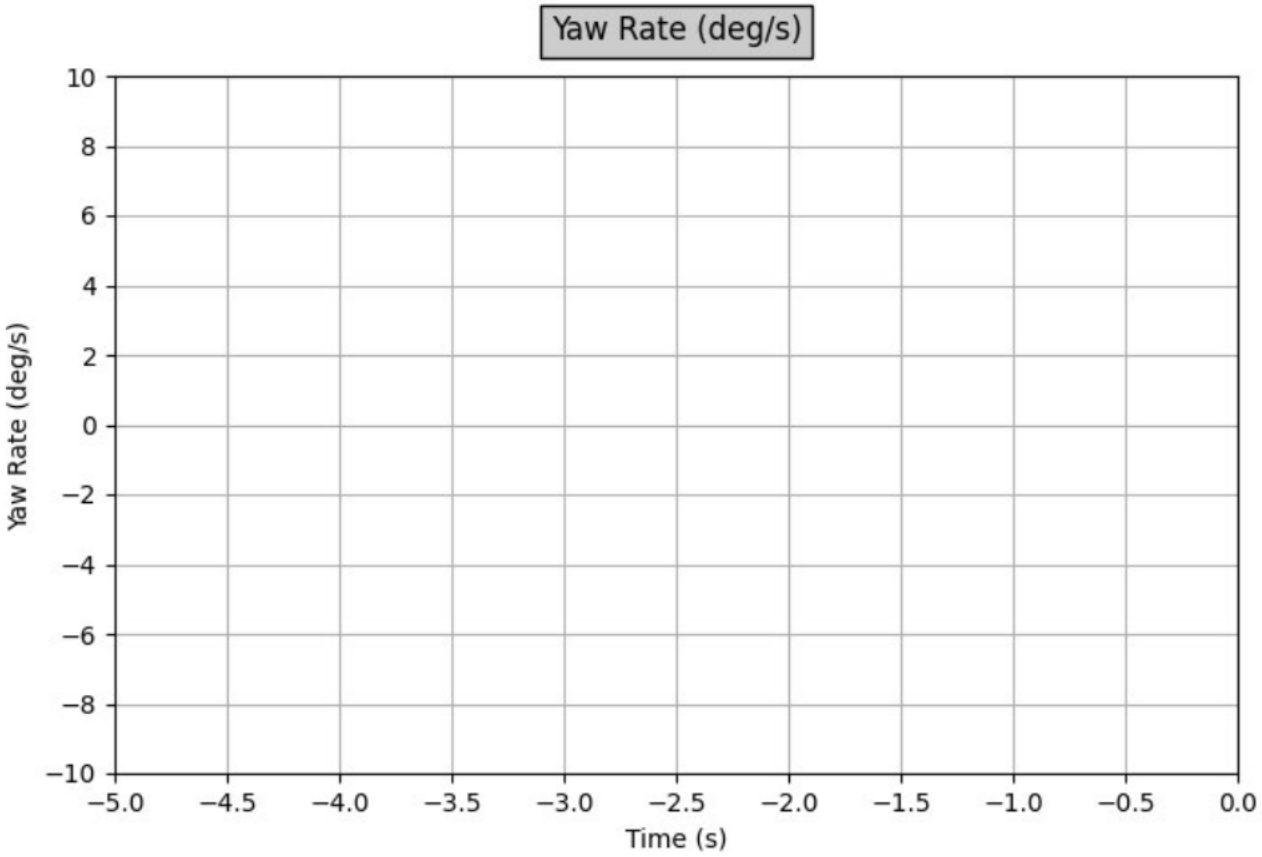
Time (s)	Acceleration (g)	Time (s)	Acceleration (g)	Time (s)	Acceleration (g)
-5.0	SNA	-3.3	SNA	-1.6	SNA
-4.9	SNA	-3.2	SNA	-1.5	SNA
-4.8	SNA	-3.1	SNA	-1.4	SNA
-4.7	SNA	-3.0	SNA	-1.3	SNA
-4.6	SNA	-2.9	SNA	-1.2	SNA
-4.5	SNA	-2.8	SNA	-1.1	SNA
-4.4	SNA	-2.7	SNA	-1.0	SNA
-4.3	SNA	-2.6	SNA	-0.9	SNA
-4.2	SNA	-2.5	SNA	-0.8	SNA
-4.1	SNA	-2.4	SNA	-0.7	SNA
-4.0	SNA	-2.3	SNA	-0.6	SNA
-3.9	SNA	-2.2	SNA	-0.5	SNA
-3.8	SNA	-2.1	SNA	-0.4	SNA
-3.7	SNA	-2.0	SNA	-0.3	SNA
-3.6	SNA	-1.9	SNA	-0.2	SNA
-3.5	SNA	-1.8	SNA	-0.1	SNA
-3.4	SNA	-1.7	SNA	0.0	SNA

Roll Rate Pre-Crash Data (Event 1)



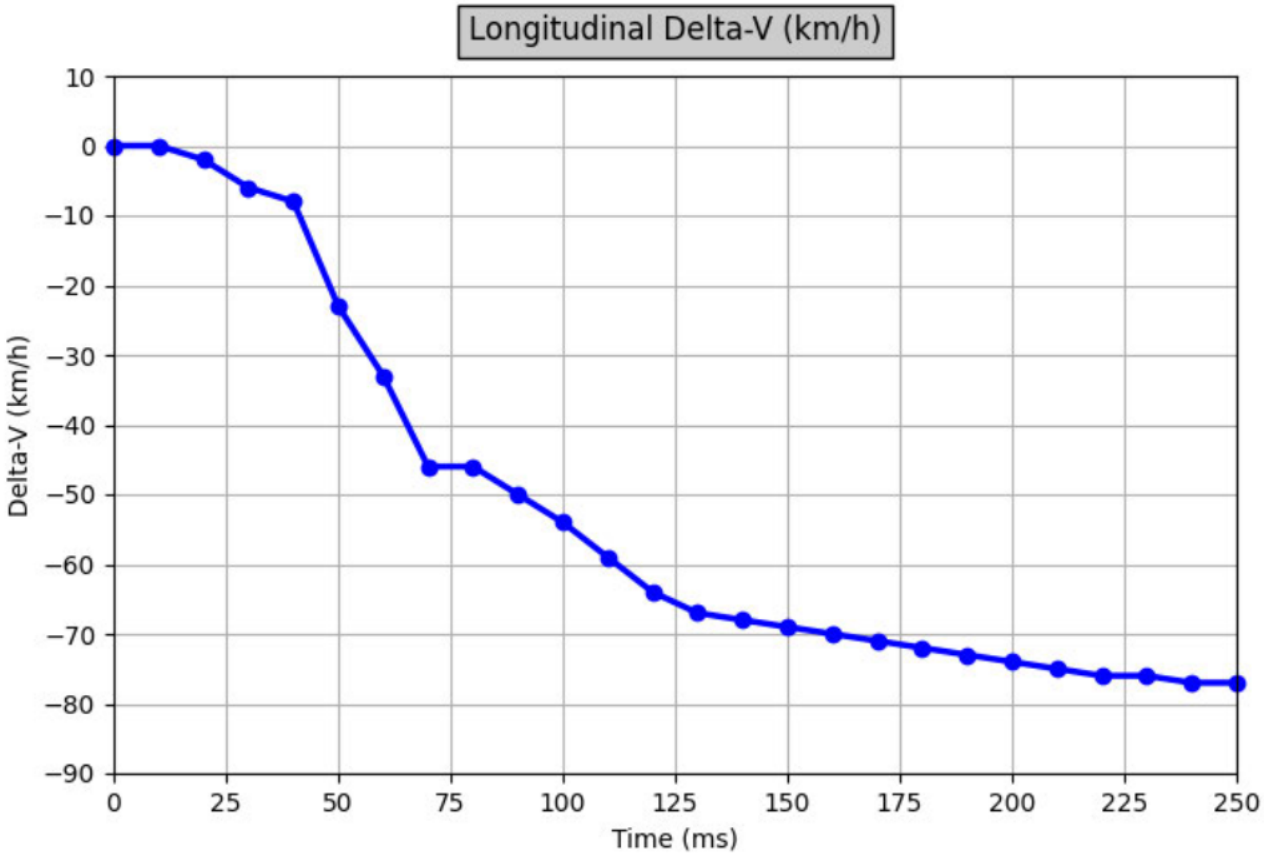
Time (s)	Roll Rate (deg/s)	Time (s)	Roll Rate (deg/s)	Time (s)	Roll Rate (deg/s)
-5.0	SNA	-3.3	SNA	-1.6	SNA
-4.9	SNA	-3.2	SNA	-1.5	SNA
-4.8	SNA	-3.1	SNA	-1.4	SNA
-4.7	SNA	-3.0	SNA	-1.3	SNA
-4.6	SNA	-2.9	SNA	-1.2	SNA
-4.5	SNA	-2.8	SNA	-1.1	SNA
-4.4	SNA	-2.7	SNA	-1.0	SNA
-4.3	SNA	-2.6	SNA	-0.9	SNA
-4.2	SNA	-2.5	SNA	-0.8	SNA
-4.1	SNA	-2.4	SNA	-0.7	SNA
-4.0	SNA	-2.3	SNA	-0.6	SNA
-3.9	SNA	-2.2	SNA	-0.5	SNA
-3.8	SNA	-2.1	SNA	-0.4	SNA
-3.7	SNA	-2.0	SNA	-0.3	SNA
-3.6	SNA	-1.9	SNA	-0.2	SNA
-3.5	SNA	-1.8	SNA	-0.1	SNA
-3.4	SNA	-1.7	SNA	0.0	SNA

Yaw Rate Pre-Crash Data (Event 1)



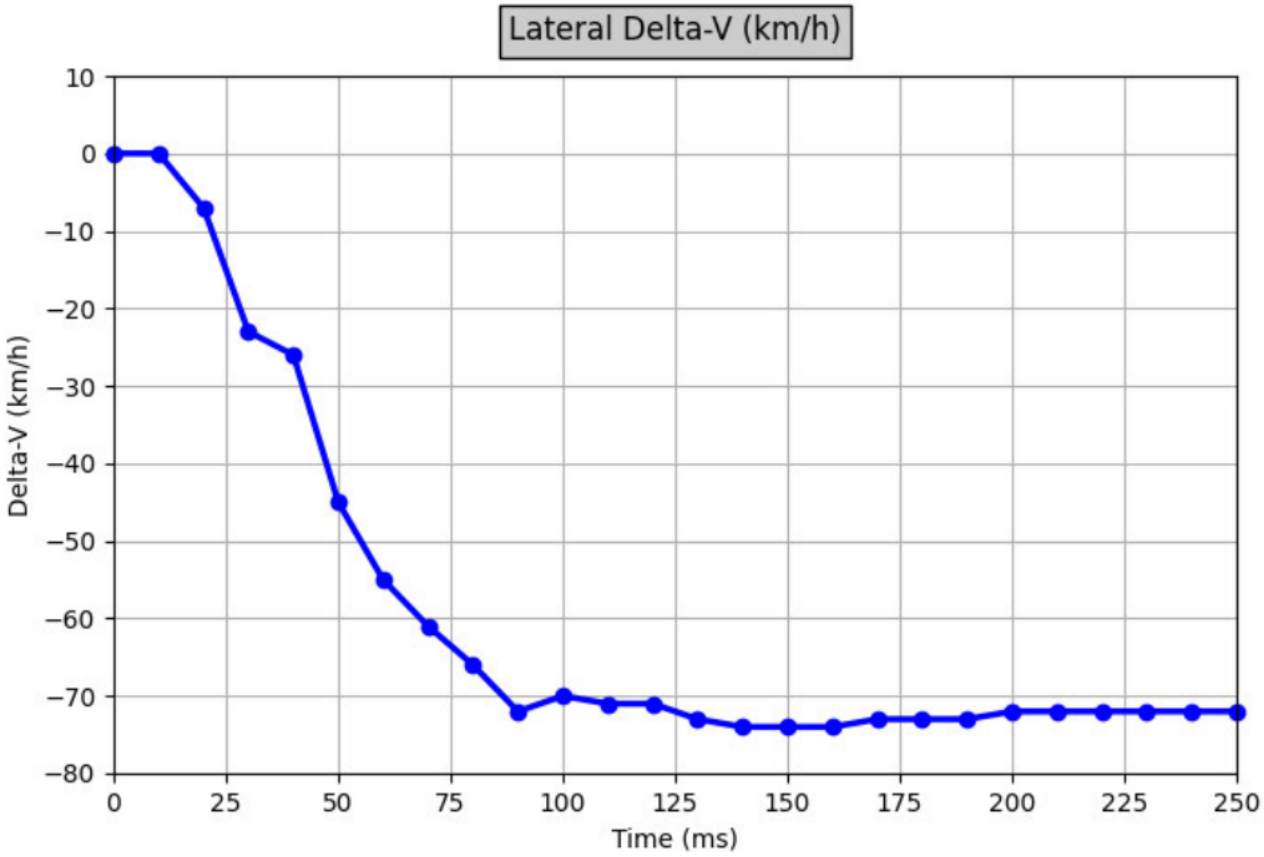
Time (s)	Yaw Rate (deg/s)	Time (s)	Yaw Rate (deg/s)	Time (s)	Yaw Rate (deg/s)
-5.0	SNA	-3.3	SNA	-1.6	SNA
-4.9	SNA	-3.2	SNA	-1.5	SNA
-4.8	SNA	-3.1	SNA	-1.4	SNA
-4.7	SNA	-3.0	SNA	-1.3	SNA
-4.6	SNA	-2.9	SNA	-1.2	SNA
-4.5	SNA	-2.8	SNA	-1.1	SNA
-4.4	SNA	-2.7	SNA	-1.0	SNA
-4.3	SNA	-2.6	SNA	-0.9	SNA
-4.2	SNA	-2.5	SNA	-0.8	SNA
-4.1	SNA	-2.4	SNA	-0.7	SNA
-4.0	SNA	-2.3	SNA	-0.6	SNA
-3.9	SNA	-2.2	SNA	-0.5	SNA
-3.8	SNA	-2.1	SNA	-0.4	SNA
-3.7	SNA	-2.0	SNA	-0.3	SNA
-3.6	SNA	-1.9	SNA	-0.2	SNA
-3.5	SNA	-1.8	SNA	-0.1	SNA
-3.4	SNA	-1.7	SNA	0.0	SNA

Longitudinal Delta-V (Event 1)



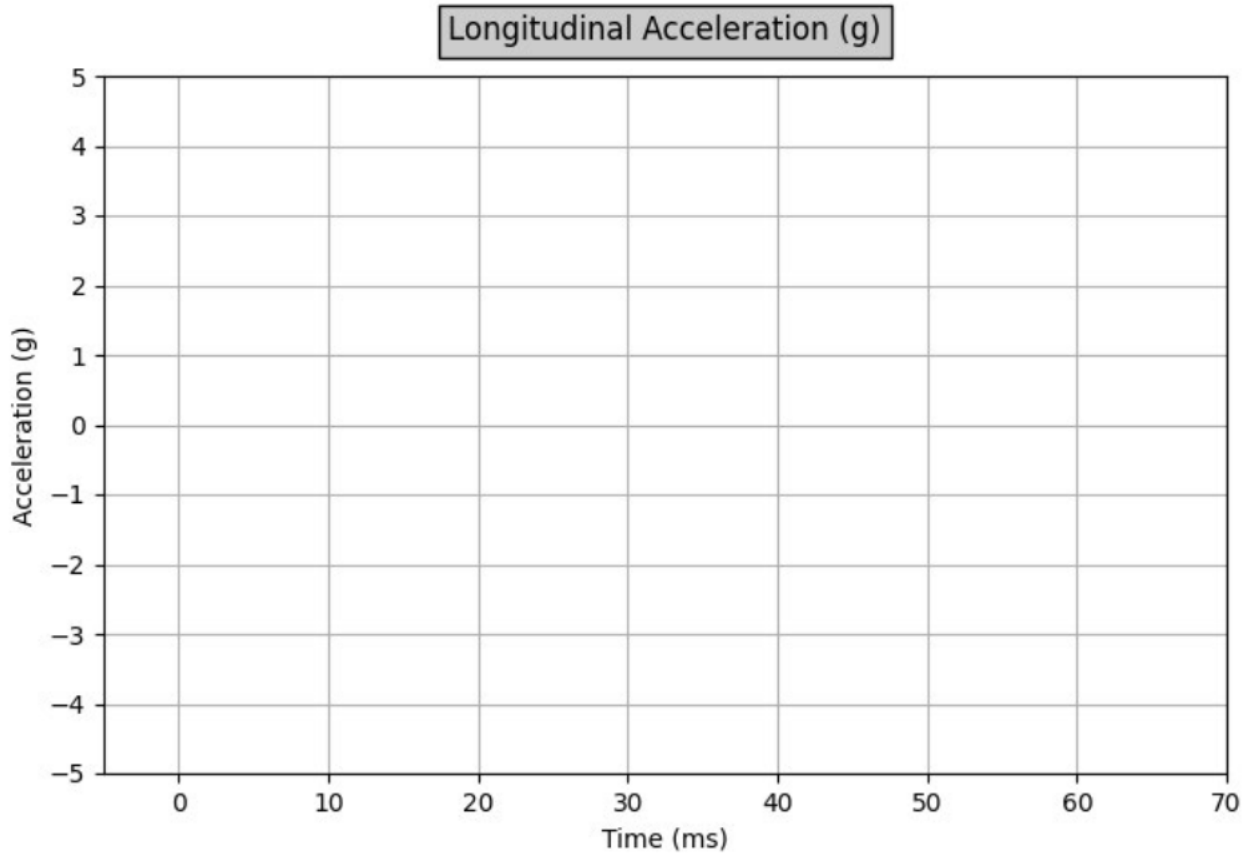
Time (ms)	Delta-V (km/h)	Time (ms)	Delta-V (km/h)
0	0	130	-67
10	0	140	-68
20	-2	150	-69
30	-6	160	-70
40	-8	170	-71
50	-23	180	-72
60	-33	190	-73
70	-46	200	-74
80	-46	210	-75
90	-50	220	-76
100	-54	230	-76
110	-59	240	-77
120	-64	250	-77

Lateral Delta-V (Event 1)



Time (ms)	Delta-V (km/h)	Time (ms)	Delta-V (km/h)
0	0	130	-73
10	0	140	-74
20	-7	150	-74
30	-23	160	-74
40	-26	170	-73
50	-45	180	-73
60	-55	190	-73
70	-61	200	-72
80	-66	210	-72
90	-72	220	-72
100	-70	230	-72
110	-71	240	-72
120	-71	250	-72

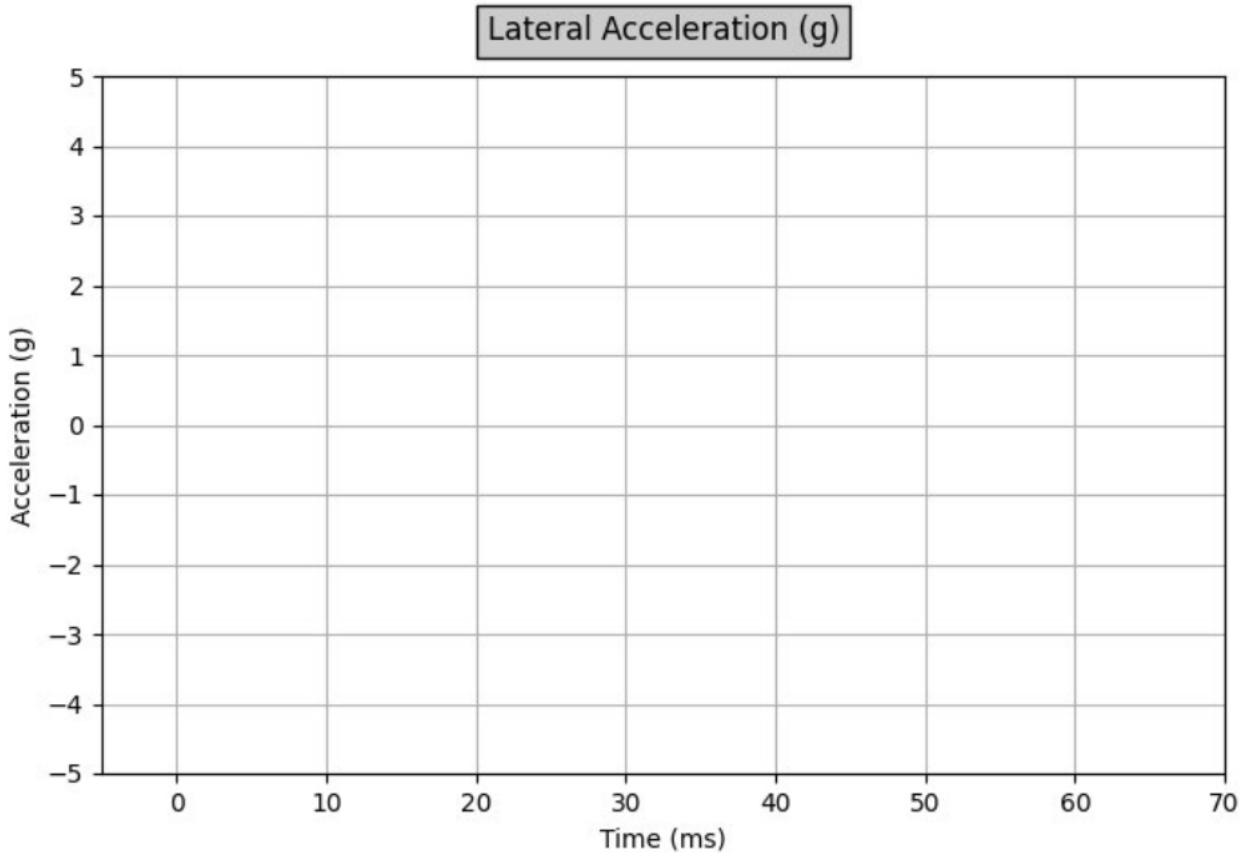
Longitudinal Acceleration (Event 1)



Longitudinal Acceleration Values (Event 1)

Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)
-5.0	SNA	17.0	SNA	39.0	SNA	61.0	SNA
-4.5	SNA	17.5	SNA	39.5	SNA	61.5	SNA
-4.0	SNA	18.0	SNA	40.0	SNA	62.0	SNA
-3.5	SNA	18.5	SNA	40.5	SNA	62.5	SNA
-3.0	SNA	19.0	SNA	41.0	SNA	63.0	SNA
-2.5	SNA	19.5	SNA	41.5	SNA	63.5	SNA
-2.0	SNA	20.0	SNA	42.0	SNA	64.0	SNA
-1.5	SNA	20.5	SNA	42.5	SNA	64.5	SNA
-1.0	SNA	21.0	SNA	43.0	SNA	65.0	SNA
-0.5	SNA	21.5	SNA	43.5	SNA	65.5	SNA
0.0	SNA	22.0	SNA	44.0	SNA	66.0	SNA
0.5	SNA	22.5	SNA	44.5	SNA	66.5	SNA
1.0	SNA	23.0	SNA	45.0	SNA	67.0	SNA
1.5	SNA	23.5	SNA	45.5	SNA	67.5	SNA
2.0	SNA	24.0	SNA	46.0	SNA	68.0	SNA
2.5	SNA	24.5	SNA	46.5	SNA	68.5	SNA
3.0	SNA	25.0	SNA	47.0	SNA	69.0	SNA
3.5	SNA	25.5	SNA	47.5	SNA	69.5	SNA
4.0	SNA	26.0	SNA	48.0	SNA	70.0	SNA
4.5	SNA	26.5	SNA	48.5	SNA		
5.0	SNA	27.0	SNA	49.0	SNA		
5.5	SNA	27.5	SNA	49.5	SNA		
6.0	SNA	28.0	SNA	50.0	SNA		
6.5	SNA	28.5	SNA	50.5	SNA		
7.0	SNA	29.0	SNA	51.0	SNA		
7.5	SNA	29.5	SNA	51.5	SNA		
8.0	SNA	30.0	SNA	52.0	SNA		
8.5	SNA	30.5	SNA	52.5	SNA		
9.0	SNA	31.0	SNA	53.0	SNA		
9.5	SNA	31.5	SNA	53.5	SNA		
10.0	SNA	32.0	SNA	54.0	SNA		
10.5	SNA	32.5	SNA	54.5	SNA		
11.0	SNA	33.0	SNA	55.0	SNA		
11.5	SNA	33.5	SNA	55.5	SNA		
12.0	SNA	34.0	SNA	56.0	SNA		
12.5	SNA	34.5	SNA	56.5	SNA		
13.0	SNA	35.0	SNA	57.0	SNA		
13.5	SNA	35.5	SNA	57.5	SNA		
14.0	SNA	36.0	SNA	58.0	SNA		
14.5	SNA	36.5	SNA	58.5	SNA		
15.0	SNA	37.0	SNA	59.0	SNA		
15.5	SNA	37.5	SNA	59.5	SNA		
16.0	SNA	38.0	SNA	60.0	SNA		
16.5	SNA	38.5	SNA	60.5	SNA		

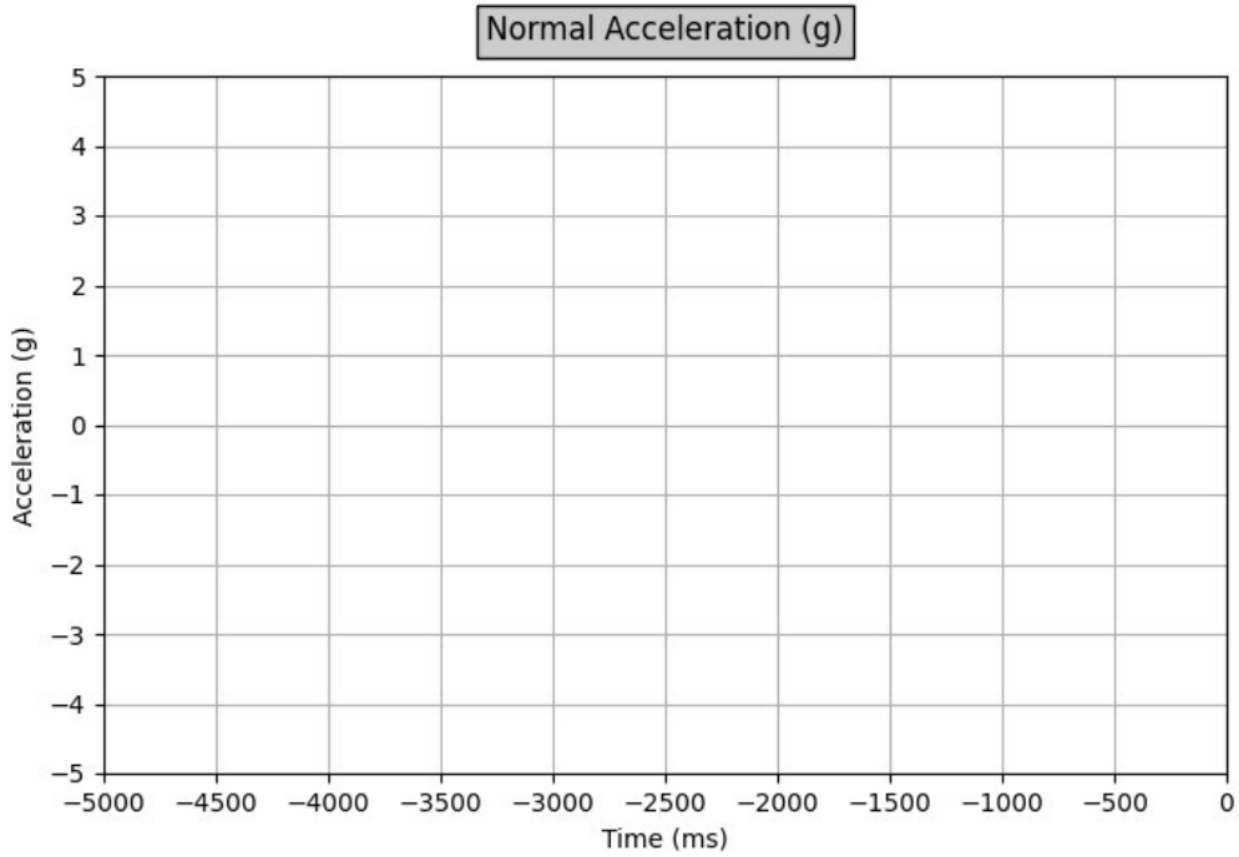
Lateral Acceleration (Event 1)



Lateral Acceleration Values (Event 1)

Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)
-5.0	SNA	17.0	SNA	39.0	SNA	61.0	SNA
-4.5	SNA	17.5	SNA	39.5	SNA	61.5	SNA
-4.0	SNA	18.0	SNA	40.0	SNA	62.0	SNA
-3.5	SNA	18.5	SNA	40.5	SNA	62.5	SNA
-3.0	SNA	19.0	SNA	41.0	SNA	63.0	SNA
-2.5	SNA	19.5	SNA	41.5	SNA	63.5	SNA
-2.0	SNA	20.0	SNA	42.0	SNA	64.0	SNA
-1.5	SNA	20.5	SNA	42.5	SNA	64.5	SNA
-1.0	SNA	21.0	SNA	43.0	SNA	65.0	SNA
-0.5	SNA	21.5	SNA	43.5	SNA	65.5	SNA
0.0	SNA	22.0	SNA	44.0	SNA	66.0	SNA
0.5	SNA	22.5	SNA	44.5	SNA	66.5	SNA
1.0	SNA	23.0	SNA	45.0	SNA	67.0	SNA
1.5	SNA	23.5	SNA	45.5	SNA	67.5	SNA
2.0	SNA	24.0	SNA	46.0	SNA	68.0	SNA
2.5	SNA	24.5	SNA	46.5	SNA	68.5	SNA
3.0	SNA	25.0	SNA	47.0	SNA	69.0	SNA
3.5	SNA	25.5	SNA	47.5	SNA	69.5	SNA
4.0	SNA	26.0	SNA	48.0	SNA	70.0	SNA
4.5	SNA	26.5	SNA	48.5	SNA		
5.0	SNA	27.0	SNA	49.0	SNA		
5.5	SNA	27.5	SNA	49.5	SNA		
6.0	SNA	28.0	SNA	50.0	SNA		
6.5	SNA	28.5	SNA	50.5	SNA		
7.0	SNA	29.0	SNA	51.0	SNA		
7.5	SNA	29.5	SNA	51.5	SNA		
8.0	SNA	30.0	SNA	52.0	SNA		
8.5	SNA	30.5	SNA	52.5	SNA		
9.0	SNA	31.0	SNA	53.0	SNA		
9.5	SNA	31.5	SNA	53.5	SNA		
10.0	SNA	32.0	SNA	54.0	SNA		
10.5	SNA	32.5	SNA	54.5	SNA		
11.0	SNA	33.0	SNA	55.0	SNA		
11.5	SNA	33.5	SNA	55.5	SNA		
12.0	SNA	34.0	SNA	56.0	SNA		
12.5	SNA	34.5	SNA	56.5	SNA		
13.0	SNA	35.0	SNA	57.0	SNA		
13.5	SNA	35.5	SNA	57.5	SNA		
14.0	SNA	36.0	SNA	58.0	SNA		
14.5	SNA	36.5	SNA	58.5	SNA		
15.0	SNA	37.0	SNA	59.0	SNA		
15.5	SNA	37.5	SNA	59.5	SNA		
16.0	SNA	38.0	SNA	60.0	SNA		
16.5	SNA	38.5	SNA	60.5	SNA		

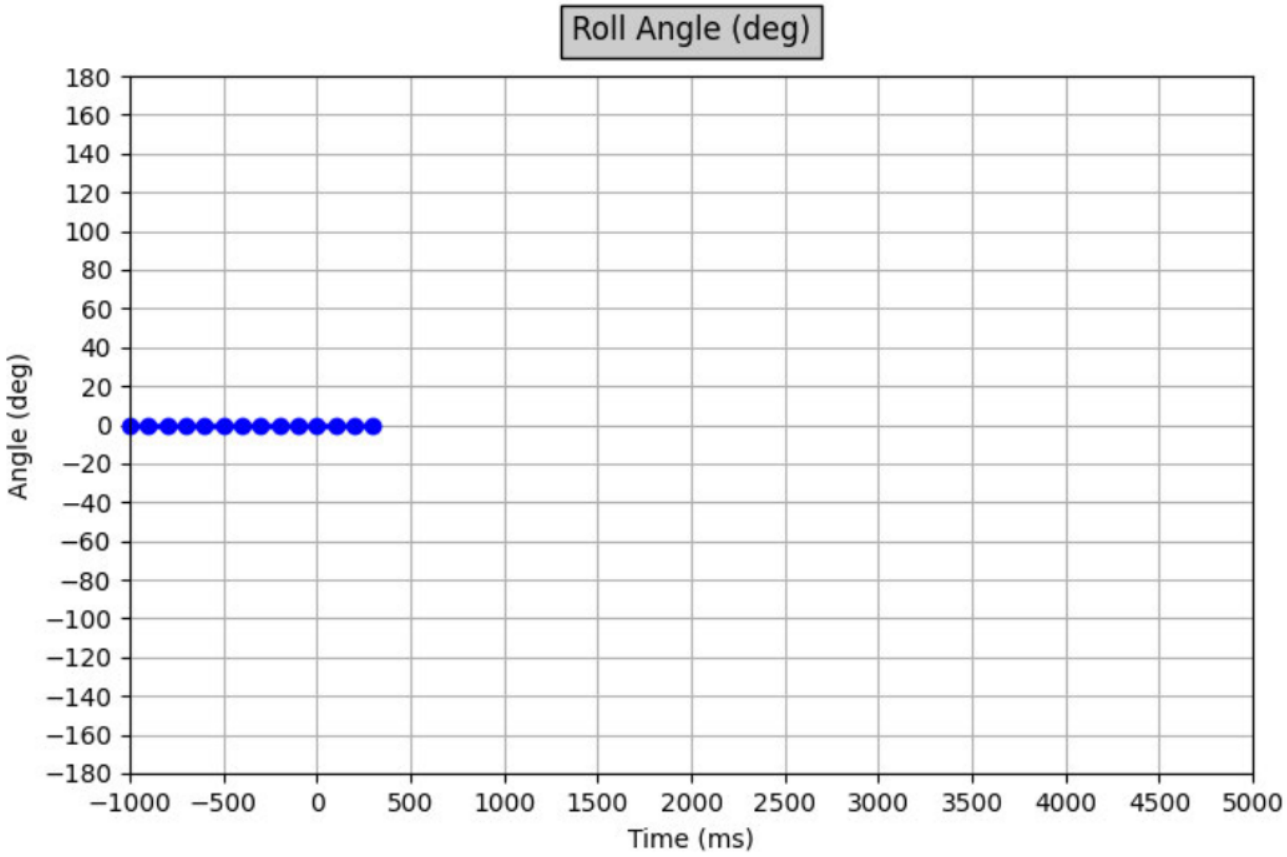
Normal Acceleration (Event 1)



Normal Acceleration Values (Event 1)

Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)
-5000	SNA	-3300	SNA	-1600	SNA
-4900	SNA	-3200	SNA	-1500	SNA
-4800	SNA	-3100	SNA	-1400	SNA
-4700	SNA	-3000	SNA	-1300	SNA
-4600	SNA	-2900	SNA	-1200	SNA
-4500	SNA	-2800	SNA	-1100	SNA
-4400	SNA	-2700	SNA	-1000	SNA
-4300	SNA	-2600	SNA	-900	SNA
-4200	SNA	-2500	SNA	-800	SNA
-4100	SNA	-2400	SNA	-700	SNA
-4000	SNA	-2300	SNA	-600	SNA
-3900	SNA	-2200	SNA	-500	SNA
-3800	SNA	-2100	SNA	-400	SNA
-3700	SNA	-2000	SNA	-300	SNA
-3600	SNA	-1900	SNA	-200	SNA
-3500	SNA	-1800	SNA	-100	SNA
-3400	SNA	-1700	SNA	0	SNA

Roll Angle Data (Event 1)



Roll Angle Values (Event 1)

Time (ms)	Angle (deg)	Time (ms)	Angle (deg)	Time (ms)	Angle (deg)	Time (ms)	Angle (deg)
-1000	0	800	SNA	2600	SNA	4400	SNA
-900	0	900	SNA	2700	SNA	4500	SNA
-800	0	1000	SNA	2800	SNA	4600	SNA
-700	0	1100	SNA	2900	SNA	4700	SNA
-600	0	1200	SNA	3000	SNA	4800	SNA
-500	0	1300	SNA	3100	SNA	4900	SNA
-400	0	1400	SNA	3200	SNA	5000	SNA
-300	0	1500	SNA	3300	SNA		
-200	0	1600	SNA	3400	SNA		
-100	0	1700	SNA	3500	SNA		
0	0	1800	SNA	3600	SNA		
100	0	1900	SNA	3700	SNA		
200	0	2000	SNA	3800	SNA		
300	0	2100	SNA	3900	SNA		
400	SNA	2200	SNA	4000	SNA		
500	SNA	2300	SNA	4100	SNA		
600	SNA	2400	SNA	4200	SNA		
700	SNA	2500	SNA	4300	SNA		

Serial Numbers

Sensor Number	Sensor Type	Serial Number
1	RCM Serial Number	2C20292453AA11
2	Front Left Crash Sensor	SNA
3	Front Middle Crash Sensor	SNA
4	Front Right Crash Sensor	SNA
5	Left Side Impact Crash Sensor (B-Pillar)	SNA
6	Right Side Impact Crash Sensor (B-Pillar)	SNA
7	Left Side Impact Crash Sensor (C-Pillar)	SNA
8	Right Side Impact Crash Sensor (C-Pillar)	SNA
9	Front Left Side Door Pressure Sensor	SNA
10	Front Right Side Door Pressure Sensor	SNA

Hexadecimal Data

5817

0000	00	15	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
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0056	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	16	FF	FF	FF	FF	FF	FF	FF	FF	FF
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0476	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
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0616	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
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0756	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
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0812	FF	FF	FF	FF	FF	00	1F	80	80	7E	7A	78	69	5F	52	52	4E	4A	45	40	3D	3C	3B	3A	39	38	37	36
0840	35	34	34	33	33	00	20	80	80	79	69	66	53	49	43	3E	38	3A	39	39	37	36	36	36	37	37	37	38
0868	38	38	38	38	38	00	21	32	00	22	36	00	23	00	73	00	24	00	35	00	25	00	73	00	28	00	21	00
0896	29	00	1A	00	2D	01	00	30	FF	FF	00	33	00	18	00	34	00	1D	00	36	00	00	38	00	18	00	39	00
0924	1D	00	3B	00	00	3D	FF	FF	00	3E	00	1E	00	3F	00	11	00	41	00	11	00	42	00	11	00	43	00	11
0952	00	47	01	00	48	FF	00	4B	00	00	4C	21	00	4D	01	00	4F	83	00	5B	00	44	00	46	00	48	00	49
0980	00	4B	00	4D	00	4E	00	50	00	51	00	53	00	54	00	55	00	57	00	58	00	59	00	59	00	5A	00	5A
1008	00	59	00	59	00	56	00	56	00	57	00	53	00	51	00	34	00	5C	E7	E9	E9	FA	FA	FA	FA	FA	FA	FA
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1064	26	B8	27	A4	28	68	29	18	2A	16	2A	9D	2B	30	2B	CC	2C	C0	2C	C1	2C	E9	2C	BF	2C	E7	2A	A4
1092	2B	7F	2A	A8	29	B8	2A	27	27	D9	27	57	24	6D	00	5E	1F	F7	1F	FA	20	03	20	15	20	06	1F	FC
1120	1F	FB	1F	FF	1F	FC	1F	F6	1F	F5	1F	E8	1F	EC	20	14	20	07	20	1C	20	15	20	27	20	23	1F	CA
1148	1F	C9	20	5E	22	C0	24	9E	21	DF	21	21	00	5F	01	01	01	01	01	01	01	01	01	01	01	01	01	01
1176	01	01	01	01	01	01	01	01	01	01	01	01	00	60	00	00	00	00	00	00	00	00	00	00	00	00	00	00
1204	00	00	00	00	00	00	00	00	00	00	00	00	00	61	02	02	02	02	02	02	02	02	02	02	02	02	02	02
1232	02	02	02	02	02	00	00	00	10	10	00	00	00	65	00	18	00	66	00	18	00	6D	00	11	00	6E	00	11
1260	01	11	FF	FF	03	E8	01	03	E9	00	A1	03	EA	00	A2	03	F2	00	01	D3	09	01	F5	FF	FF	01	F6	FF
1288	FF	01	F7	00	00	01	F8	FF	FF	FF	FF	01	F9	FF	FF	FF	FF	01	FA	C1	0F	87	28	C0	02	87	28	E0
1316	08	64	2E	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1344	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	01	FC	00	00	07
1372	11	02	00	FF	FF	02	01	FF	FF	02	02	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1400	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	03	01	02	06	00	40	02	07	FF	FF	FF	FF	FF	FF	FF	FF
1428	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1456	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	08	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1484	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1512	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	09	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1540	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1568	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	0A	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1596	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1624	FF	FF	FF	FF	FF	FF	02	0B	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1652	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

5817 Continued

1680	FF	FF	FF	02	0C	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1708	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1736	02	0D	FF	02	0E	01	02	0F	0F	02	10	5F	02	11	06	BB	AB	2E	02	12	FF	02	13	FF	02	14	FF	02
1764	15	00	00	1E	05	02	16	FF	02	17	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1792	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
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1848	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1876	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1904	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	18	FF	FF	FF	FF
1932	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1960	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1988	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2016	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2044	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2072	FF	FF	FF	FF	FF	FF	FF	FF	02	19	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2100	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2128	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2156	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2184	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2212	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	1A	FF	FF	FF	FF
2240	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2268	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2296	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2324	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2352	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2380	FF	FF	FF	FF	FF	FF	FF	FF	02	1B	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2408	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2436	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	1C	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2464	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2492	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	1D	FF	FF	FF	FF
2520	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2548	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2576	FF	02	1E	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2604	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2632	FF	FF	FF	FF	FF	FF	FF	FF	02	1F	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2660	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2688	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	20	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2716	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2744	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	21	FF	FF	FF	FF
2772	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2800	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2828	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	22	00	0D	02	23	00	00	02	70	02	24	01	02	25	03	02
2856	26	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	27	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2884	FF	FF	02	28	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2912	FF	FF	FF	FF	FF	FF	FF	FF	02	29	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	2A
2940	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	2B	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2968	FF	FF	FF	FF	FF	FF	02	2C	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2996	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	2D	FF	02	2E	01	02	2F	FF	FF	02	30	00	A6	02	31
3024	FF	FF	02	32	79	02	33	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3052	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3080	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	34	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3108	FF	FF	FF	FF	FF	02	35	01	02	36	03	02	37	01	02	38	01	02	39	00	D1	00	4E	00	00	52	00	00
3136	53	E0	00	54	00	00	55	00	00	57	00	01	20	00	01	21	00	01	22	00	01	23	00	01	24	00	02	3A
3164	00	02	3B	00	5E	02	3C	00	36	02	3D	00	D1	02	3E	FF	FF	02	3F	FF	FF	02	40	FF	FF	02	41	FF
3192	FF	02	42	FF	FF	02	43	FF	FF	02	44	FF	FF	02	45	FF	FF	02	46	FF	FF	02	47	FF	FF	02	48	FF
3220	FF	02	49	FF	FF	02	4A	FF	FF	02	4B	00	02	4C	FF	FF	02	4D	FF	FF	03	E7	00	01	00	AB	00	01
3248	00	01	00	01	00	00	00	00	00	00	00	01	00	00	00	00	00	00	01	00	00	00	04	01	04	00	03	00
3276	03	00	A5	00	00	00	5A	00	16	10	A0	00	00	00	00	00	FF	3F	1B	0C	FF	80	BE	00	02	16	75	13
3304	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3332	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	1E	01	FB	00	00	01
3360	98	FF	FF	FF	FF	FF	FF	FF	FF	00	45	00	42	00	35	00	39	00	7D	FF	FF	FF	FF	FF	FF	FF	FF	FF

5817 Continued

3388	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3416	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3444	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3472	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3500	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3528	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3556	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3584	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3612	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3640	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3668	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3696	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3724	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3752	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3780	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3808	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3836	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	00	00	00	00
3864	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
3892	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
3920	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
3948	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
3976	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
4004	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
4032	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
4060	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
4088	00	00	00	00	00	00	00	00	00	00	00	00																

5818

0000	00	15	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0028	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0056	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	16	FF	FF	FF	FF	FF	FF	FF	FF	FF
0084	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0112	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0140	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0168	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0196	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0224	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0252	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0280	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0308	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0336	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0364	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	17	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0392	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0420	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0448	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0476	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0504	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0532	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0560	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0588	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0616	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0644	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0672	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	19	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0700	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0728	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	1B
0756	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0784	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0812	FF	FF	FF	FF	FF	00	1F	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0840	FF	FF	FF	FF	FF	00	20	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0868	FF	FF	FF	FF	FF	00	21	FF	00	22	FF	00	23	FF	FF	00	24	FF	FF	00	25	FF	FF	00	28	FF	FF	00
0896	29	FF	FF	00	2D	FF	00	30	FF	FF	00	33	FF	FF	00	34	FF	FF	00	36	FF	00	38	FF	FF	00	39	FF

5818 Continued

0924	FF	00	3B	FF	00	3D	FF	FF	00	3E	FF	FF	00	3F	FF	FF	00	41	FF	FF	00	42	FF	FF	00	43	FF	FF
0952	00	47	FF	00	48	FF	00	4B	FF	00	4C	FF	00	4D	FF	00	4F	FF	00	5B	FF	FF	FF	FF	FF	FF	FF	FF
0980	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1008	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	5C	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1036	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	5D	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1064	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1092	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	5E	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1120	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1148	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	5F	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1176	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	60	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1204	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	61	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1232	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	65	FF	FF	00	66	FF	FF	00	6D	FF	FF	00	6E	FF	FF
1260	01	11	FF	FF	03	E8	FF	03	E9	FF	FF	03	EA	FF	FF	03	F2	FF	FF	FF	FF	01	F5	FF	FF	01	F6	FF
1288	FF	01	F7	FF	FF	01	F8	FF	FF	FF	FF	01	F9	FF	FF	FF	FF	01	FA	FF	FF	FF	FF	FF	FF	FF	FF	FF
1316	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1344	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	01	FC	FF	FF
1372	FF	02	00	FF	FF	02	01	FF	FF	02	02	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1400	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	03	FF	02	06	FF	FF	02	07	FF	FF	FF	FF	FF	FF	FF	FF
1428	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1456	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	08	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1484	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1512	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	09	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1540	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1568	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	0A	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1596	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1624	FF	FF	FF	FF	FF	FF	02	0B	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1652	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1680	FF	FF	FF	02	0C	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1708	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1736	02	0D	FF	02	0E	FF	02	0F	FF	02	10	FF	02	11	FF	FF	FF	FF	02	12	FF	02	13	FF	02	14	FF	02
1764	15	FF	FF	FF	FF	02	16	FF	02	17	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1792	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1820	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1848	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1876	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1904	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	18	FF	FF	FF	FF
1932	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1960	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
1988	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2016	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
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2128	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2156	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2184	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2212	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	1A	FF	FF	FF	FF
2240	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2268	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2296	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2324	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2352	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2380	FF	FF	FF	FF	FF	FF	FF	FF	02	1B	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2408	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2436	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	1C	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
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2492	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	1D	FF	FF	FF	FF
2520	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2548	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2576	FF	02	1E	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2604	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

5818 Continued

2632	FF	FF	FF	FF	FF	FF	FF	FF	02	1F	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2660	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2688	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	20	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2716	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2744	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	21	FF	FF	FF	FF
2772	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2800	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2828	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	22	FF	FF	02	23	FF	FF	FF	FF	02	24	FF	02	25	FF	02	
2856	26	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	27	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2884	FF	FF	02	28	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2912	FF	FF	FF	FF	FF	FF	FF	FF	02	29	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	2A	
2940	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	2B	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2968	FF	FF	FF	FF	FF	FF	02	2C	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
2996	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	2D	FF	02	2E	FF	02	2F	FF	FF	02	30	FF	FF	02	31	
3024	FF	FF	02	32	FF	02	33	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3052	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3080	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	34	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3108	FF	FF	FF	FF	FF	02	35	FF	02	36	FF	02	37	FF	02	38	FF	02	39	FF	FF	00	4E	FF	00	52	FF	00		
3136	53	FF	00	54	FF	00	55	FF	00	57	FF	01	20	FF	01	21	FF	01	22	FF	01	23	FF	01	24	FF	02	3A	
3164	FF	02	3B	FF	FF	02	3C	FF	FF	02	3D	FF	FF	02	3E	FF	FF	02	3F	FF	FF	02	40	FF	FF	02	41	FF	
3192	FF	02	42	FF	FF	02	43	FF	FF	02	44	FF	FF	02	45	FF	FF	02	46	FF	FF	02	47	FF	FF	02	48	FF	
3220	FF	02	49	FF	FF	02	4A	FF	FF	02	4B	FF	02	4C	FF	FF	02	4D	FF	FF	03	E7	FF	FF	FF	FF	FF	FF	
3248	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3276	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3304	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3332	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3360	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3388	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3416	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3444	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3472	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3500	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3528	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3556	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3584	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3612	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3640	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3668	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3696	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3724	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3752	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3780	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3808	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
3836	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	00	00	00	00	
3864	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
3892	00	00	00	00	00	00	00	00	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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3976	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
4004	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
4032	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
4060	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
4088	00	00	00	00	00	00	00	00	00	00	00	00																	

0F00

DD F1 CF 75

0F04

E8 38 21 7C

0F07

7A C6 4C 26

F014

31 35 31 32 38 37 36 2D 30 30 2D 42 FF FF FF FF FF FF FF FF

F015

32 43 32 30 32 39 32 34 35 33 41 41 31 31

F190

35 59 4A 33 45 31 45 42 32 4D 46 30 33 37 39 36 32

FD00

32 38 35 2E 30 31 35 2E 32 31 39 00 00 00

FE01

00 00 00 00 00 00 00 00 00 00 00 FF FF FF FF FF FF

FE03

00 00 00 00 00 00 00 00 00 00 00 FF FF FF FF FF FF

FE05

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FE06

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FE07

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FE08

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FE09

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FE0C

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FE0D

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FE52

8B 00 88 00 8B 8B 8B 8B 8B 00 00 C3 C3 00 00 00 00 00 00 00 00 00 00 00

FE53

0000 09 01 12 00 09 01 10 00 09 01 09 01 09 01 09 01 09 01 09 01 10 00 10 00 09 01 09 01 10 00

0028 10 00 12 00 12 00 12 00 10 00 10 00 10 00 12 00 10 00 10 00

63 22 99 C5 1B D1 B0 A7 10 D0 02 38 B0 AA E4 E0 CF 7A B7 87 D1 22 9E A8 F1 A3 95 7C 24 74 22 03

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