

# EDR Report

File Information	Value
VIN	5YJSA7E20KF000000
Retrieval Date	2018/01/01 00:00:00 (UTC)
Retrieval User Comments	
Retrieval Program Information	
EDR Report Information	Tesla EDR Reporting Service v19.32.1
Report Date	2019/10/10 10:17:23 (UTC)
Number Of Events	1
Time From Event 1 To 2 (seconds)	N/A
Ignition Cycle At Retrieval	492

## Model S 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 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 S 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).

#### 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.

**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.

**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 0.5 seconds.

**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 reported to the nearest kilometer per hour. 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.

**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.

**Driver Seat Position**

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

**Rear occupant seat status**

The Model S may record data associated with the second row seat occupancy and seat belt status. 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 resolution of steering wheel angle is to the nearest degree. Data is recorded for 5 seconds prior to Time Zero every 0.1 seconds.

**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 resolution of Delta-V data is to the nearest kilometer per hour and the data is reported every 10 ms after Time Zero (until the end of the event). The range for delta-V data is -100 km/h to +100 km/h.

**Longitudinal/Lateral/Normal 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 (until the end of the event). The range of acceleration data is -96 g to +96 g.

**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)	-10
Time To Maximum Delta-V, Longitudinal (ms)	170.0
Maximum Delta-V, Lateral (km/h)	-6
Time To Maximum Delta-V, Lateral (ms)	145.0
Time To Maximum Delta-V, Resultant (ms)	170.0
Ignition Cycle At Event	492
Ignition Cycle Runtime (minutes)	8.5
Odometer At Event Time Zero (km)	5922.8
Airbag Warning Lamp Status	Off
ABS Warning Indicator Status	Off
Driver Safety Belt Status	Buckled
Passenger Safety Belt Status	Not Buckled
Occupant Classification Status In Front Passenger Seat	Not Available
Driver Seat Track Position	Rearward
Vehicle Drive Mode	Drive
Driver Airbag Deployment 2nd Stage Disposal	No
Right Front Passenger Airbag Deployment 2nd Stage Disposal	No
Complete File Recorded	Yes

## Deployment Summary (Event 1)

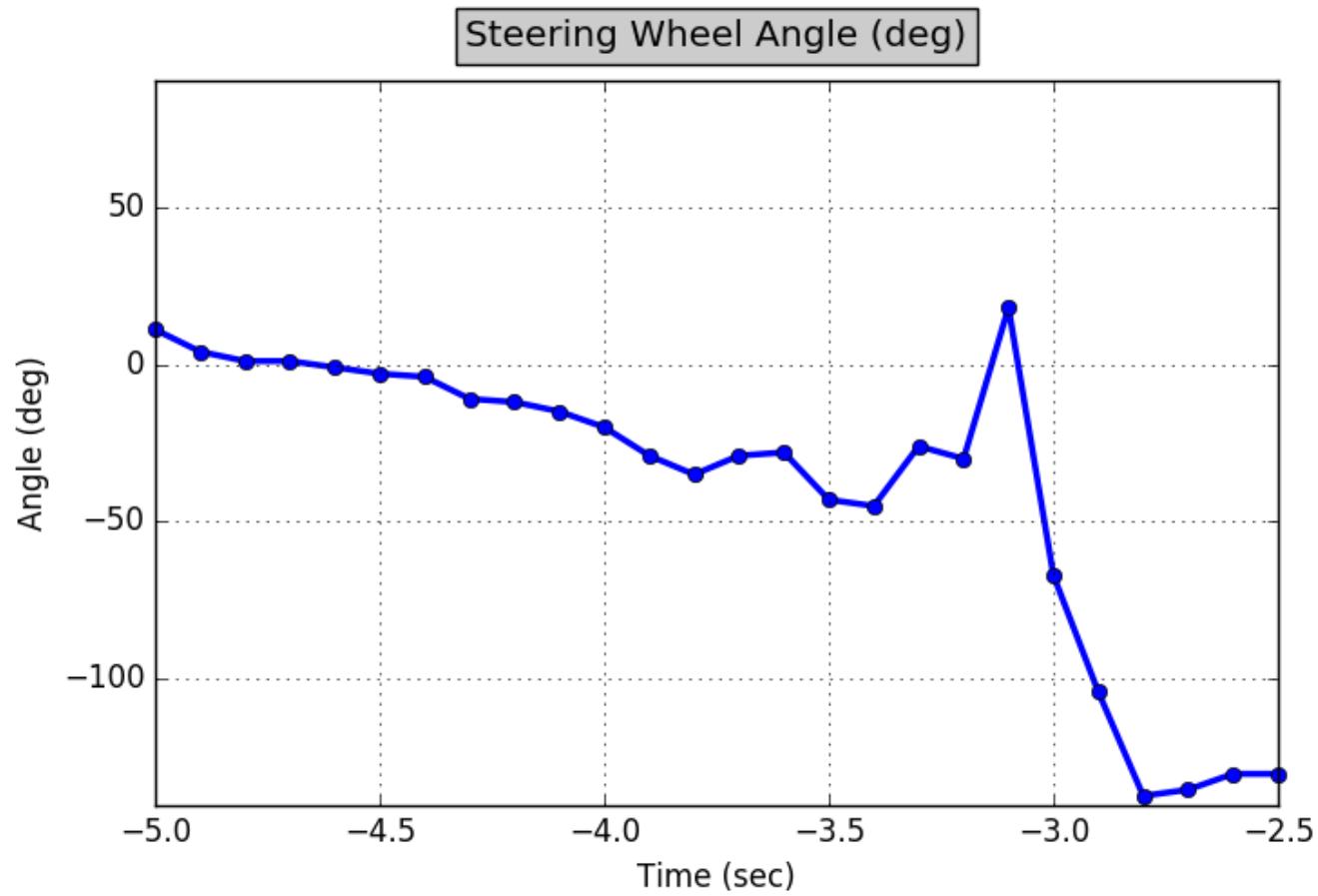
Device	Status	Deployment Command Time (ms)
Driver Front Airbag Stage 1	Deployment Commanded	21
Driver Front Airbag Stage 2	Deployment Commanded	171
Passenger Front Airbag Stage 1	Deployment Commanded	21
Passenger Front Airbag Stage 2	Deployment Commanded	171
Driver Side Seat Airbag	Deployment Not Commanded	
Inflatable Curtain Airbag Left	Deployment Commanded	161
1st Row Left Outboard Lap Pre-tensioner	Deployment Commanded	21
Passenger Side Seat Airbag	Deployment Not Commanded	
Inflatable Curtain Airbag Right	Deployment Commanded	161
1st Row Right Outboard Lap Pre-tensioner	Deployment Not Commanded	
Driver Knee Airbag	Deployment Not Commanded	
Front Passenger Knee Airbag	Deployment Not Commanded	
1st Row Left Retractor Pre-tensioner	Deployment Commanded	21
1st Row Right Retractor Pre-tensioner	Deployment Not Commanded	
HV Disconnect Pyro	Deployment Commanded	21

## Event Data (Event 1)

Time (sec)	Service Brake	Stability Control	ABS Activity
-5.0	Off	On	Off
-4.8	Off	On	Off
-4.6	Off	On	Off
-4.4	Off	On	Off
-4.2	Off	On	Off
-4.0	Off	On	Off
-3.8	Off	On	Off
-3.6	Off	On	Off
-3.4	Off	On	Off
-3.2	Off	On	Off
-3.0	Off	On	Off
-2.8	Off	On	Off
-2.6	On	On	Off
-2.4	On	On	Off
-2.2	On	On	Off
-2.0	On	On	Off
-1.8	On	On	Off
-1.6	Off	Engaged	Off
-1.4	Off	Engaged	Off
-1.2	Off	Engaged	Off
-1.0	Off	On	Off
-0.8	Off	On	Off
-0.6	Off	Engaged	Off
-0.4	Off	On	Off
-0.2	Off	Engaged	Off
0.0	Off	Engaged	Off

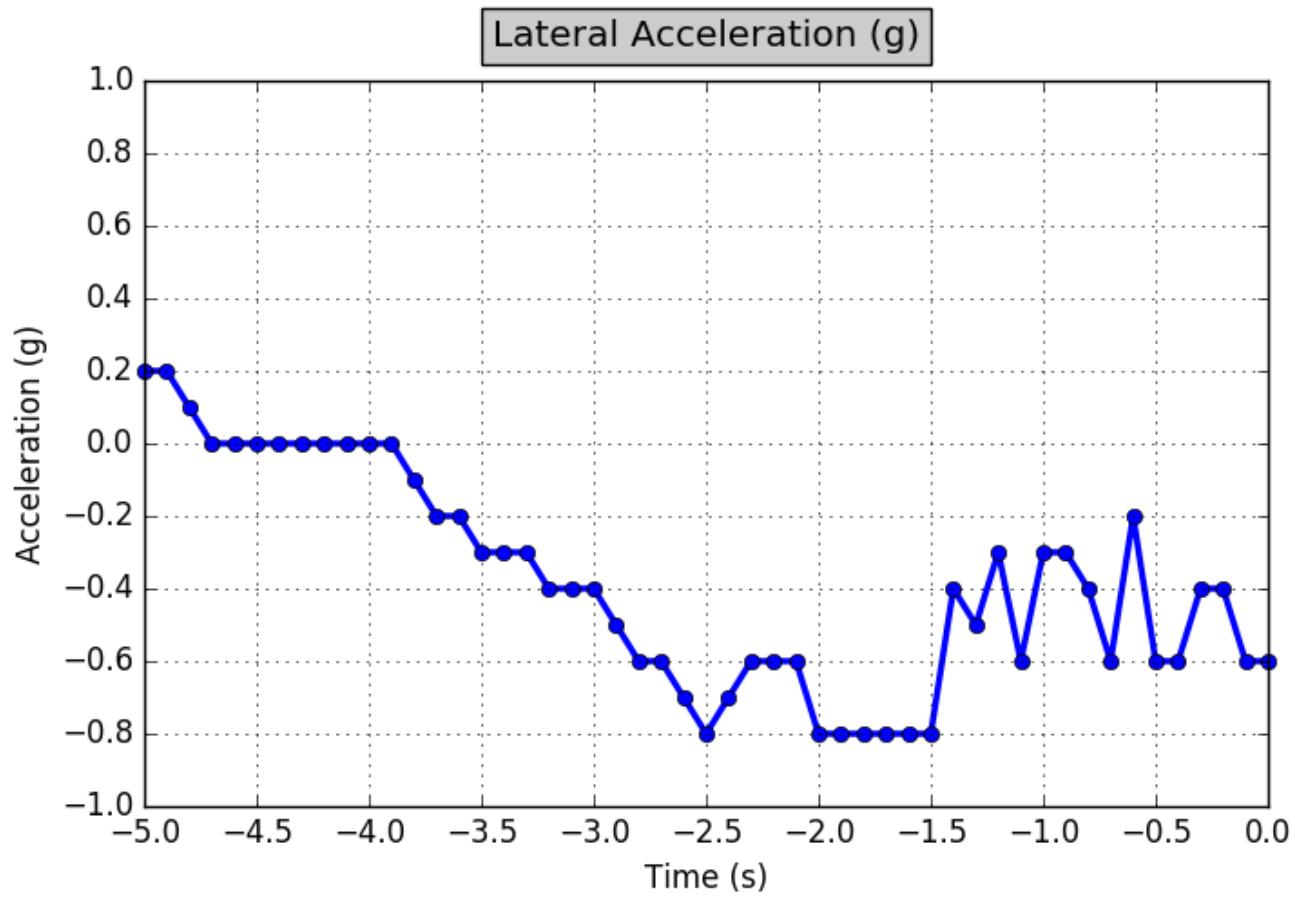
Time (sec)	Vehicle Speed (km/h)	Accelerator Pedal (%)	Rear Motor Speed (rpm)
-5.0	136.0	42.4	9576
-4.8	137.0	42.4	9632
-4.6	138.0	35.6	9710
-4.4	139.0	15.6	9704
-4.2	139.0	0.0	9679
-4.0	139.0	0.0	9693
-3.8	139.0	0.0	9635
-3.6	138.0	0.0	9553
-3.4	137.0	0.0	9481
-3.2	136.0	0.0	9426
-3.0	135.0	0.0	9332
-2.8	134.0	0.0	9271
-2.6	133.0	0.0	9201
-2.4	132.0	0.0	9114
-2.2	130.0	0.0	8840
-2.0	128.0	0.0	8732
-1.8	126.0	0.0	8592
-1.6	123.0	0.0	8441
-1.4	121.0	0.0	8202
-1.2	119.0	0.0	8063
-1.0	118.0	4.4	7965
-0.8	115.0	4.8	7858
-0.6	112.0	2.8	7649
-0.4	111.0	0.0	7626
-0.2	110.0	0.0	7571
0.0	108.0	0.0	7349

## Steering Wheel Angle (Event 1)



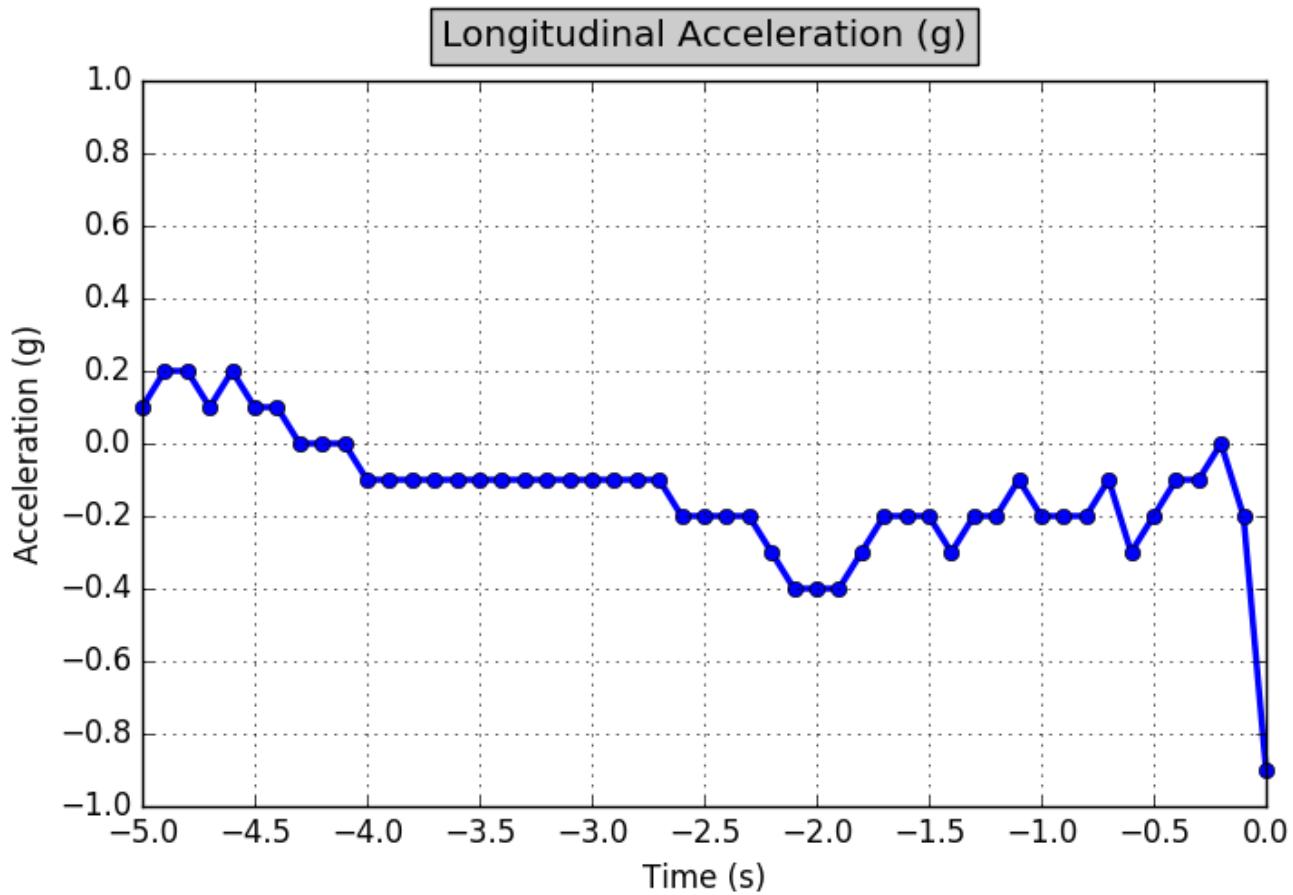
Time (sec)	Angle (deg)	Time (sec)	Angle (deg)
-5.0	11	-3.6	-28
-4.9	4	-3.5	-43
-4.8	1	-3.4	-45
-4.7	1	-3.3	-26
-4.6	-1	-3.2	-30
-4.5	-3	-3.1	18
-4.4	-4	-3.0	-67
-4.3	-11	-2.9	-104
-4.2	-12	-2.8	-137
-4.1	-15	-2.7	-135
-4.0	-20	-2.6	-130
-3.9	-29	-2.5	-130
-3.8	-35		
-3.7	-29		

## Lateral Pre-Crash Acceleration (Event 1)



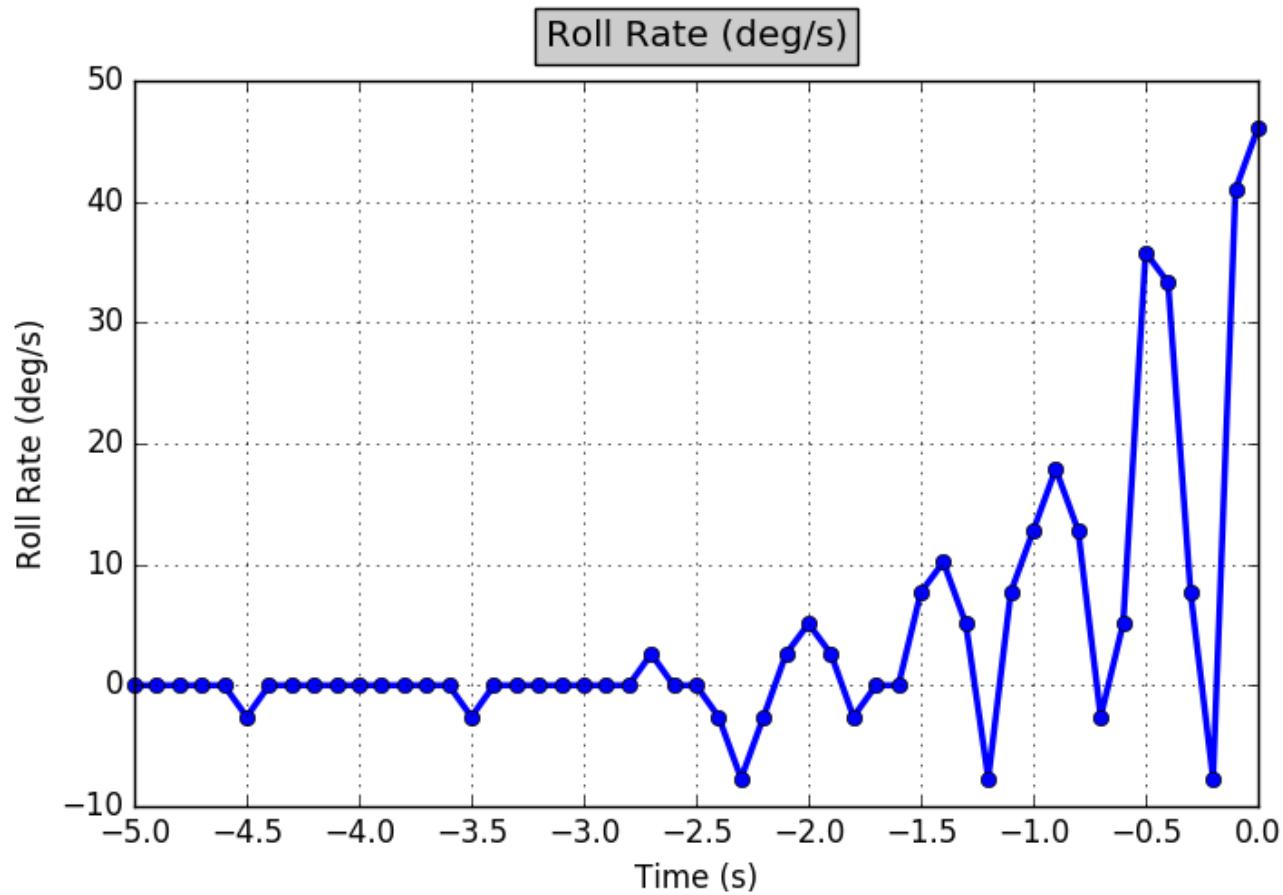
Time (s)	Acceleration (g)	Time (s)	Acceleration (g)	Time (s)	Acceleration (g)
-5.0	0.2	-3.2	-0.4	-1.4	-0.4
-4.9	0.2	-3.1	-0.4	-1.3	-0.5
-4.8	0.1	-3.0	-0.4	-1.2	-0.3
-4.7	0.0	-2.9	-0.5	-1.1	-0.6
-4.6	0.0	-2.8	-0.6	-1.0	-0.3
-4.5	0.0	-2.7	-0.6	-0.9	-0.3
-4.4	0.0	-2.6	-0.7	-0.8	-0.4
-4.3	0.0	-2.5	-0.8	-0.7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

## Longitudinal Pre-Crash Acceleration (Event 1)



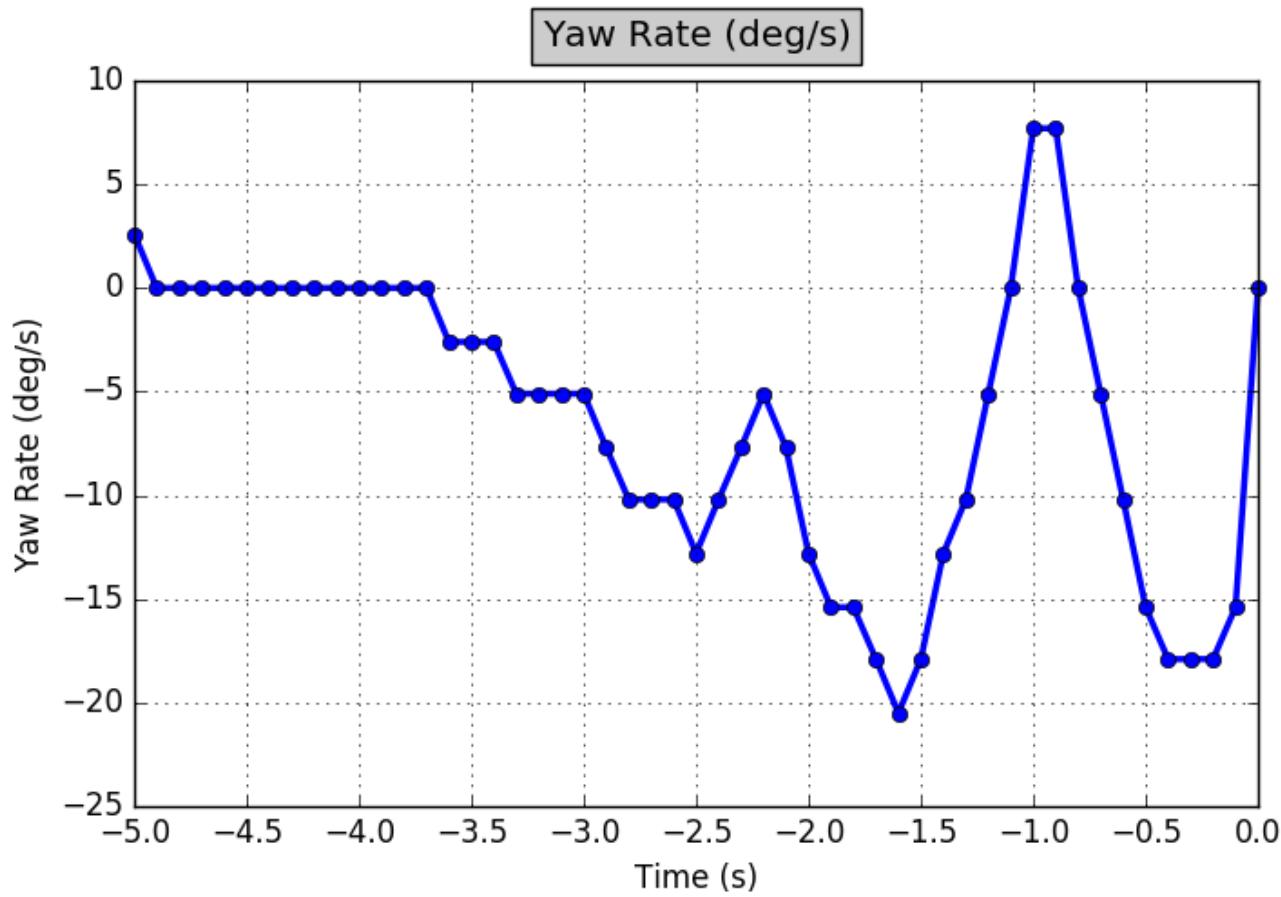
Time (s)	Acceleration (g)	Time (s)	Acceleration (g)	Time (s)	Acceleration (g)
-5.0	0.1	-3.2	-0.1	-1.4	-0.3
-4.9	0.2	-3.1	-0.1	-1.3	-0.2
-4.8	0.2	-3.0	-0.1	-1.2	-0.2
-4.7	0.1	-2.9	-0.1	-1.1	-0.1
-4.6	0.2	-2.8	-0.1	-1.0	-0.2
-4.5	0.1	-2.7	-0.1	-0.9	-0.2
-4.4	0.1	-2.6	-0.2	-0.8	-0.2
-4.3	0.0	-2.5	-0.2	-0.7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

## Roll Rate Pre-Crash Data (Event 1)



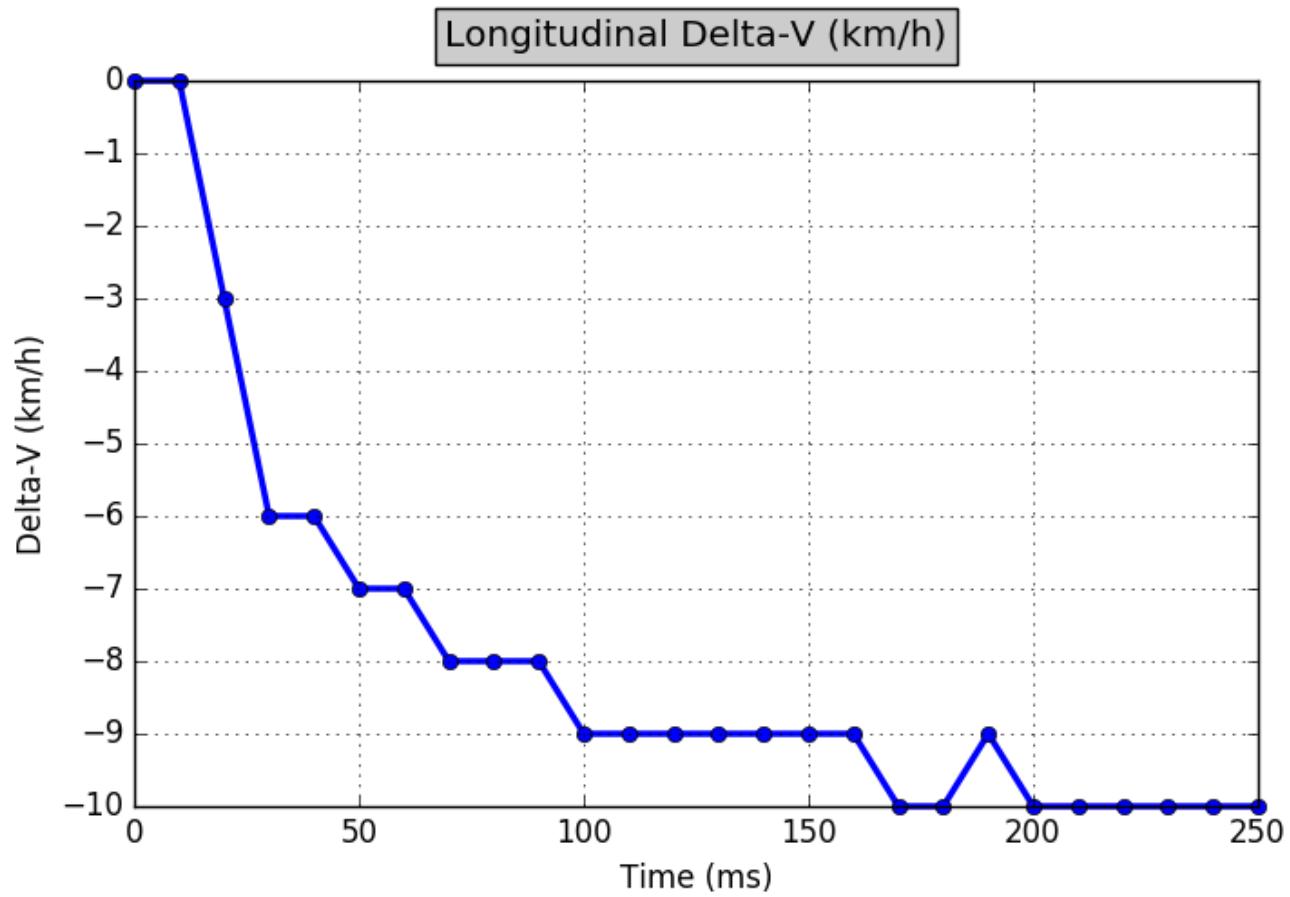
Time (s)	Roll Rate (deg/s)	Time (s)	Roll Rate (deg/s)	Time (s)	Roll Rate (deg/s)
-5.0	0.0	-3.2	0.0	-1.4	10.2
-4.9	0.0	-3.1	0.0	-1.3	5.1
-4.8	0.0	-3.0	0.0	-1.2	-7.7
-4.7	0.0	-2.9	0.0	-1.1	7.7
-4.6	0.0	-2.8	0.0	-1.0	12.8
-4.5	-2.6	-2.7	2.6	-0.9	17.9
-4.4	0.0	-2.6	0.0	-0.8	12.8
-4.3	0.0	-2.5	0.0	-0.7	-2.6
-4.2	0.0	-2.4	-2.6	-0.6	5.1
-4.1	0.0	-2.3	-7.7	-0.5	35.8
-4.0	0.0	-2.2	-2.6	-0.4	33.3
-3.9	0.0	-2.1	2.6	-0.3	7.7
-3.8	0.0	-2.0	5.1	-0.2	-7.7
-3.7	0.0	-1.9	2.6	-0.1	41.0
-3.6	0.0	-1.8	-2.6	0.0	46.1
-3.5	-2.6	-1.7	0.0		
-3.4	0.0	-1.6	0.0		
-3.3	0.0	-1.5	7.7		

## Yaw Rate Pre-Crash Data (Event 1)



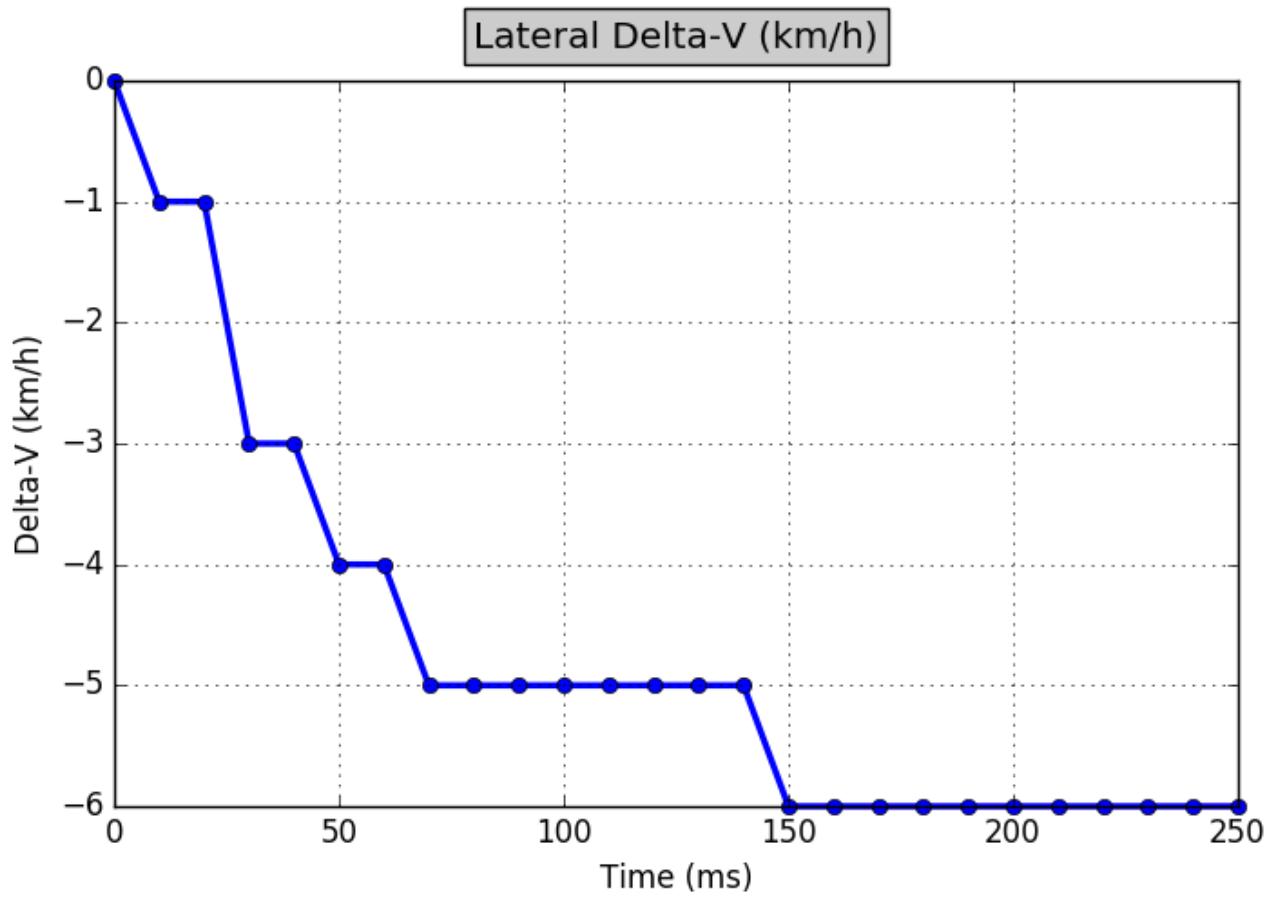
Time (s)	Yaw Rate (deg/s)	Time (s)	Yaw Rate (deg/s)	Time (s)	Yaw Rate (deg/s)
-5.0	2.6	-3.2	-5.1	-1.4	-12.8
-4.9	0.0	-3.1	-5.1	-1.3	-10.2
-4.8	0.0	-3.0	-5.1	-1.2	-5.1
-4.7	0.0	-2.9	-7.7	-1.1	0.0
-4.6	0.0	-2.8	-10.2	-1.0	7.7
-4.5	0.0	-2.7	-10.2	-0.9	7.7
-4.4	0.0	-2.6	-10.2	-0.8	0.0
-4.3	0.0	-2.5	-12.8	-0.7	-5.1
-4.2	0.0	-2.4	-10.2	-0.6	-10.2
-4.1	0.0	-2.3	-7.7	-0.5	-15.4
-4.0	0.0	-2.2	-5.1	-0.4	-17.9
-3.9	0.0	-2.1	-7.7	-0.3	-17.9
-3.8	0.0	-2.0	-12.8	-0.2	-17.9
-3.7	0.0	-1.9	-15.4	-0.1	-15.4
-3.6	-2.6	-1.8	-15.4	0.0	0.0
-3.5	-2.6	-1.7	-17.9		
-3.4	-2.6	-1.6	-20.5		
-3.3	-5.1	-1.5	-17.9		

## Longitudinal Delta-V (Event 1)



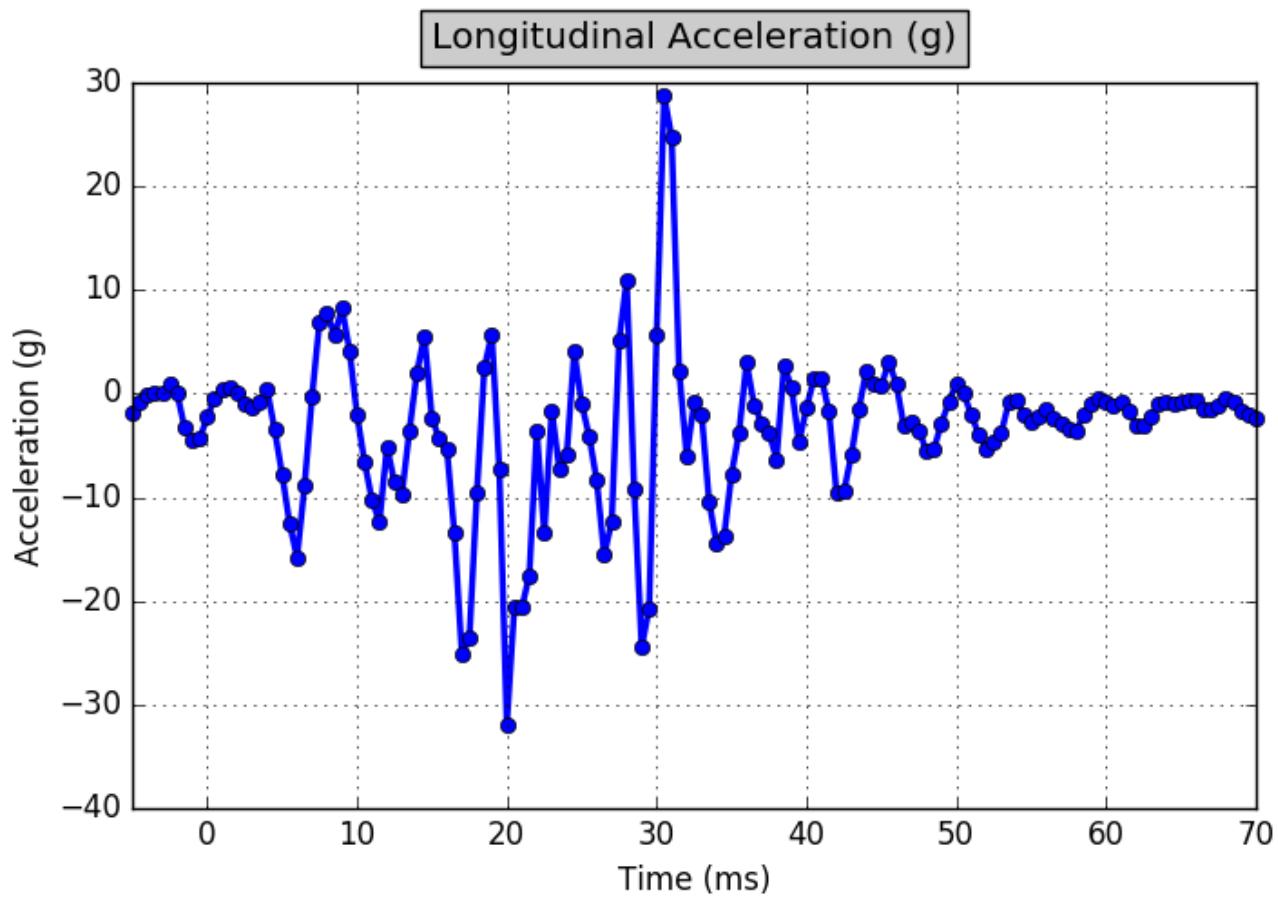
Time (ms)	Delta-V (km/h)	Time (ms)	Delta-V (km/h)
0	0	140	-9
10	0	150	-9
20	-3	160	-9
30	-6	170	-10
40	-6	180	-10
50	-7	190	-9
60	-7	200	-10
70	-8	210	-10
80	-8	220	-10
90	-8	230	-10
100	-9	240	-10
110	-9	250	-10
120	-9		
130	-9		

## Lateral Delta-V (Event 1)



Time (ms)	Delta-V (km/h)	Time (ms)	Delta-V (km/h)
0	0	140	-5
10	-1	150	-6
20	-1	160	-6
30	-3	170	-6
40	-3	180	-6
50	-4	190	-6
60	-4	200	-6
70	-5	210	-6
80	-5	220	-6
90	-5	230	-6
100	-5	240	-6
110	-5	250	-6
120	-5		
130	-5		

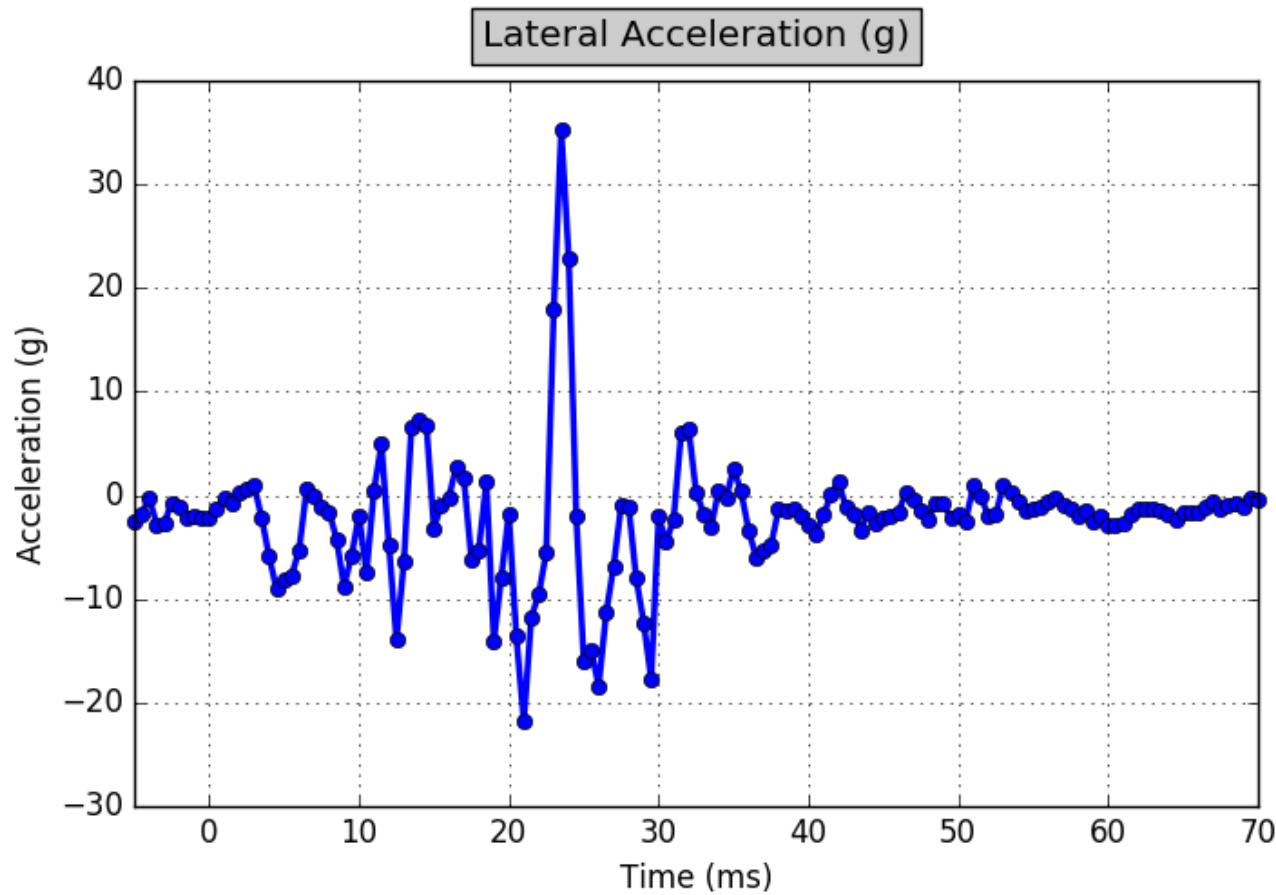
## Longitudinal Acceleration (Event 1)



## Longitudinal Acceleration Values (Event 1)

Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)
-5.0	-1.875	20.5	-20.625	46.0	0.875
-4.5	-0.75	21.0	-20.625	46.5	-3.125
-4.0	-0.125	21.5	-17.5625	47.0	-2.75
-3.5	0.0	22.0	-3.5625	47.5	-3.5625
-3.0	0.0	22.5	-13.4375	48.0	-5.5
-2.5	0.875	23.0	-1.625	48.5	-5.375
-2.0	0.0	23.5	-7.1875	49.0	-2.875
-1.5	-3.3125	24.0	-5.875	49.5	-0.8125
-1.0	-4.5	24.5	4.0625	50.0	0.9375
-0.5	-4.375	25.0	-1.0	50.5	0.0
0.0	-2.25	25.5	-4.125	51.0	-2.0625
0.5	-0.5	26.0	-8.375	51.5	-3.9375
1.0	0.375	26.5	-15.5625	52.0	-5.375
1.5	0.5625	27.0	-12.3125	52.5	-4.625
2.0	0.125	27.5	5.1875	53.0	-3.8125
2.5	-0.9375	28.0	11.0	53.5	-0.8125
3.0	-1.3125	28.5	-9.1875	54.0	-0.5625
3.5	-0.75	29.0	-24.4375	54.5	-2.0625
4.0	0.4375	29.5	-20.6875	55.0	-2.6875
4.5	-3.4375	30.0	5.75	55.5	-2.125
5.0	-7.75	30.5	28.75	56.0	-1.5
5.5	-12.5	31.0	24.75	56.5	-2.375
6.0	-15.8125	31.5	2.25	57.0	-2.8125
6.5	-8.875	32.0	-6.0	57.5	-3.375
7.0	-0.25	32.5	-0.875	58.0	-3.5625
7.5	6.9375	33.0	-1.9375	58.5	-2.0625
8.0	7.75	33.5	-10.375	59.0	-0.9375
8.5	5.625	34.0	-14.5	59.5	-0.4375
9.0	8.25	34.5	-13.75	60.0	-0.875
9.5	4.1875	35.0	-7.75	60.5	-1.0625
10.0	-2.0	35.5	-3.75	61.0	-0.875
10.5	-6.5625	36.0	3.0	61.5	-1.75
11.0	-10.25	36.5	-1.0625	62.0	-3.0625
11.5	-12.375	37.0	-2.8125	62.5	-3.0
12.0	-5.125	37.5	-3.75	63.0	-2.25
12.5	-8.5625	38.0	-6.3125	63.5	-1.0
13.0	-9.6875	38.5	2.6875	64.0	-0.875
13.5	-3.5625	39.0	0.625	64.5	-1.0
14.0	2.0625	39.5	-4.6875	65.0	-0.875
14.5	5.5625	40.0	-1.375	65.5	-0.625
15.0	-2.375	40.5	1.4375	66.0	-0.6875
15.5	-4.375	41.0	1.5	66.5	-1.5
16.0	-5.3125	41.5	-1.75	67.0	-1.5
16.5	-13.4375	42.0	-9.5	67.5	-1.125
17.0	-25.125	42.5	-9.4375	68.0	-0.4375
17.5	-23.625	43.0	-5.875	68.5	-0.875
18.0	-9.625	43.5	-1.4375	69.0	-1.625
18.5	2.5	44.0	2.25	69.5	-2.0
19.0	5.75	44.5	1.0	70.0	-2.4375
19.5	-7.3125	45.0	0.75		
20.0	-31.9375	45.5	3.125		

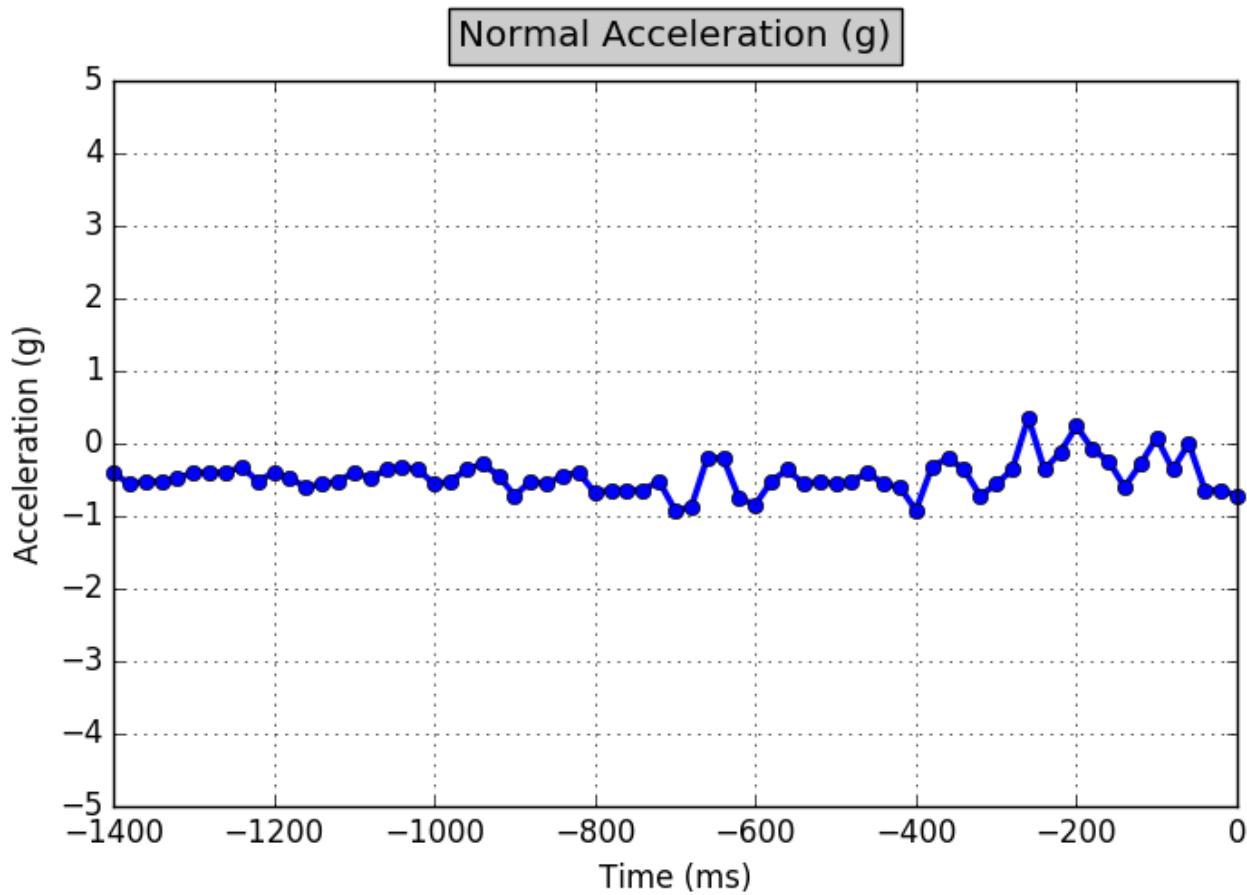
## Lateral Acceleration (Event 1)



## Lateral Acceleration Values (Event 1)

Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)
-5.0	-2.5625	20.5	-13.5625	46.0	-1.625
-4.5	-1.75	21.0	-21.8125	46.5	0.25
-4.0	-0.25	21.5	-11.75	47.0	-0.4375
-3.5	-2.8125	22.0	-9.5625	47.5	-1.4375
-3.0	-2.6875	22.5	-5.5	48.0	-2.3125
-2.5	-0.6875	23.0	17.9375	48.5	-0.6875
-2.0	-1.1875	23.5	35.25	49.0	-0.6875
-1.5	-2.25	24.0	22.875	49.5	-2.25
-1.0	-2.0	24.5	-2.0	50.0	-1.75
-0.5	-2.25	25.0	-15.9375	50.5	-2.4375
0.0	-2.125	25.5	-15.0	51.0	0.9375
0.5	-1.375	26.0	-18.375	51.5	-0.125
1.0	-0.1875	26.5	-11.3125	52.0	-1.9375
1.5	-0.6875	27.0	-6.8125	52.5	-1.875
2.0	0.25	27.5	-0.9375	53.0	1.0625
2.5	0.5625	28.0	-1.0625	53.5	0.25
3.0	0.9375	28.5	-8.0	54.0	-0.5625
3.5	-2.125	29.0	-12.25	54.5	-1.5
4.0	-5.875	29.5	-17.75	55.0	-1.375
4.5	-9.0625	30.0	-2.0625	55.5	-1.0625
5.0	-8.1875	30.5	-4.5	56.0	-0.5625
5.5	-7.75	31.0	-2.3125	56.5	-0.25
6.0	-5.3125	31.5	6.0	57.0	-0.875
6.5	0.5625	32.0	6.4375	57.5	-1.3125
7.0	-0.0625	32.5	0.3125	58.0	-1.9375
7.5	-1.1875	33.0	-1.75	58.5	-1.5
8.0	-1.5625	33.5	-3.0625	59.0	-2.4375
8.5	-4.1875	34.0	0.4375	59.5	-2.0
9.0	-8.75	34.5	-0.3125	60.0	-2.8125
9.5	-5.875	35.0	2.625	60.5	-2.9375
10.0	-1.9375	35.5	0.375	61.0	-2.6875
10.5	-7.5	36.0	-3.3125	61.5	-1.875
11.0	0.5	36.5	-5.9375	62.0	-1.375
11.5	4.9375	37.0	-5.375	62.5	-1.3125
12.0	-4.8125	37.5	-4.8125	63.0	-1.3125
12.5	-13.9375	38.0	-1.375	63.5	-1.5
13.0	-6.4375	38.5	-1.5	64.0	-1.75
13.5	6.625	39.0	-1.3125	64.5	-2.375
14.0	7.25	39.5	-2.0625	65.0	-1.5625
14.5	6.8125	40.0	-2.8125	65.5	-1.6875
15.0	-3.1875	40.5	-3.75	66.0	-1.5625
15.5	-0.875	41.0	-1.875	66.5	-1.0625
16.0	-0.1875	41.5	0.0625	67.0	-0.5625
16.5	2.8125	42.0	1.3125	67.5	-1.3125
17.0	1.625	42.5	-1.125	68.0	-1.0
17.5	-6.125	43.0	-1.75	68.5	-0.75
18.0	-5.25	43.5	-3.3125	69.0	-1.1875
18.5	1.3125	44.0	-1.625	69.5	-0.3125
19.0	-14.0625	44.5	-2.625	70.0	-0.5
19.5	-7.9375	45.0	-2.25		
20.0	-1.75	45.5	-1.9375		

## Normal Acceleration (Event 1)



## Normal Acceleration Values (Event 1)

Time (ms)	Acceleration (g)	Time (ms)	Acceleration (g)
-1400	-0.4	-680	-0.88
-1380	-0.56	-660	-0.2
-1360	-0.52	-640	-0.2
-1340	-0.52	-620	-0.76
-1320	-0.48	-600	-0.84
-1300	-0.4	-580	-0.52
-1280	-0.4	-560	-0.36
-1260	-0.4	-540	-0.56
-1240	-0.32	-520	-0.52
-1220	-0.52	-500	-0.56
-1200	-0.4	-480	-0.52
-1180	-0.48	-460	-0.4
-1160	-0.6	-440	-0.56
-1140	-0.56	-420	-0.6
-1120	-0.52	-400	-0.92
-1100	-0.4	-380	-0.32
-1080	-0.48	-360	-0.2
-1060	-0.36	-340	-0.36
-1040	-0.32	-320	-0.72
-1020	-0.36	-300	-0.56
-1000	-0.56	-280	-0.36
-980	-0.52	-260	0.36
-960	-0.36	-240	-0.36
-940	-0.28	-220	-0.12
-920	-0.44	-200	0.24
-900	-0.72	-180	-0.08
-880	-0.52	-160	-0.24
-860	-0.56	-140	-0.6
-840	-0.44	-120	-0.28
-820	-0.4	-100	0.08
-800	-0.68	-80	-0.36
-780	-0.64	-60	0.0
-760	-0.64	-40	-0.64
-740	-0.64	-20	-0.64
-720	-0.52	0	-0.72
-700	-0.92		

## Serial Numbers

Not Available

## Hexadecimal Data

FEOC 00 00 00 00 00 00 00 00 00 B3 2B 89 1C 1C 46

FEOB FF FF

FEOA FF FF

FEO<sup>D</sup> 00 00 00 00 00 00 00 00 00 B3 2B 89 1C 18 3C

5820 Continued

0532	FF																									
0560	FF																									
0588	FF																									
0616	FF																									
0644	FF																									
FE10	00	00	00	00	00	00	00	00	00	00	00	A3	2C	68	3F	32	0C									
FE11	00	00	00	00	00	00	00	00	00	00	00	A1	2C	68	3F	21	48									
FE12	00	00	00	00	00	00	00	00	00	00	B9	2E	65	05	23	67										
FE13	FF																									
FE14	FF																									
FE15	FF																									
FE16	00	00	00	00	00	00	00	00	00	00	9D	2E	69	8C	2D	65										
F015	32	42	34	30	30	30	34	39	32	34	41	41	31	31												
F014	31	34	37	33	34	34	36	2D	30	30	2D	42	FF													
F190	35	59	4A	53	41	37	45	32	30	4B	46	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
FE09	00	00	00	00	00	00	00	00	00	00	BD	2F	AE	66	5E	24										
FD00	32	38	35	2E	30	31	35	2E	32	31	39	00	00	00												
FE08	00	00	00	00	00	00	00	00	00	00	B9	2F	52	BF	1D	3B										
FE03	FF																									
FE02	00	00	00	00	00	00	00	00	00	00	B5	2E	EF	B9	22	5A										
FE01	00	00	00	00	00	00	00	00	00	00	B3	2E	65	05	27	64										
FE07	00	00	00	00	00	00	00	00	00	00	BD	2F	AE	66	44	3D										
FE06	00	00	00	00	00	00	00	00	00	00	B7	2F	52	BF	38	0C										
FE05	00	00	00	00	00	00	00	00	00	00	B3	2E	65	05	46	54										
FE04	00	00	00	00	00	00	00	00	00	00	B5	2E	EF	B9	19	38										



## 5818 Continued

5818 Continued

3388	FF																										
3416	FF																										
3444	FF																										
3472	FF																										
3500	FF																										
3528	FF																										
3556	FF																										
3584	FF																										
3612	FF																										
3640	FF																										
3668	00	00	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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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	
4088	00	00	00	00																							

5817

0000	00	15	73	6F	70	70	71	73	73	75	70	73	71	6E	6F	70	73	71	74	75	74	6F	70	74	76	72	6B	
0028	70	6F	72	73	6C	6D	6D	6D	66	67	78	78	6A	68	70	74	6F	70	73	6F	6E	66	75	78	74			
0056	6B	6F	74	86	74	7A	83	7B	77	6E	76	7F	74	7D	6D	6B	00	16	7F	D6	7F	E3	7F	FB	7F	D2	7F	
0084	D4	7F	F4	7F	EC	7F	DB	7F	DF	7F	DB	7F	DD	7F	E9	7F	FC	7F	F4	80	03	80	08	80	0E	7F	DD	7F
0112	A1	7F	6E	7F	7C	7F	83	7F	AA	80	08	7F	FE	7F	EC	7F	E6	7F	BC	7F	73	7F	A1	7F	EO	7F	87	80
0140	07	80	4E	7F	B2	7F	20	7F	98	80	69	80	73	80	6C	7F	CC	7F	F1	7F	FC	80	2C	80	19	7F	9D	7F
0168	AB	80	14	7F	1E	7F	80	7F	E3	7F	26	7E	A2	7F	43	7F	66	7F	A7	81	1E	82	33	81	6D	7F	DF	7F
0196	00	7F	OF	7E	D9	7F	4A	7F	92	7F	FO	7F	EE	7F	7F	3B	7E	E3	7F	DE	7F	B7	7F	DA	80	5F	80	
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0252	EA	7F	DE	7F	D2	7F	C3	7F	E1	80	00	80	14	7F	ED	7F	E3	7F	CA	7F	E5	7F	D5	7F	DB	7F	EO	7F
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0336	D2	7F	DO	7F	D4	7F	E1	7F	E9	7F	EA	7F	EA	7F	E7	7F	E3	7F	D9	7F	E6	7F	E4	7F	E6	7F	EE	7F
0364	F6	7F	EA	7F	EF	7F	F3	7F	EC	7F	FA	7F	F7	00	17	7F	E1	7F	F3	7F	FD	7F	FF	7F	FF	80	0D	7F
0392	FF	7F	CA	7F	B7	7F	B9	7F	DB	7F	F7	80	05	80	08	80	01	7F	FO	7F	EA	7F	F3	80	06	7F	C8	7F
0420	83	7F	37	7F	O2	7F	71	7F	FB	80	6E	80	7B	80	59	80	83	80	42	7F	DF	7F	96	7F	5B	7F	39	7F
0448	AD	7F	76	7F	64	7F	C6	80	20	80	58	7F	D9	7F	B9	7F	AA	7F	28	7E	6D	7E	85	7F	65	80	27	80
0476	5B	7F	8A	7E	00	7E	B5	7E	B5	7E	E6	7F	C6	7F	28	7F	E5	7F	8C	7F	A1	80	40	7F	EF	7F	BD	7F
0504	79	7F	06	7F	3A	80	52	80	AF	7F	6C	7E	78	7E	B4	80	5B	81	CB	81	8B	80	23	7F	9F	7F	F1	7F
0532	E0	7F	59	7F	17	7F	23	7F	83	7F	C3	80	2F	7F	EE	7F	D2	7F	C3	7F	9A	80	2A	80	09	7F	B4	7F
0560	E9	80	16	80	17	7F	E3	7F	67	7F	68	7F	A1	7F	E8	80	23	80	0F	80	OB	80	31	80	0D	7F	CD	7F
0588	D3	7F	C6	7F	A7	7F	A9	7F	D1	7F	F2	80	0E	7F	FF	7F	DE	7F	CO	7F	A9	7F	B5	7F	C2	7F	F2	7F
0616	F6	7F	DE	7F	D4	7F	DD	7F	E7	7F	D9	7F	D2	7F	C9	7F	C6	7F	DE	7F	F0	7F	F8	7F	F1	7F	EE	7F
0644	F1	7F	E3	7F	CE	7F	CF	7F	DB	7F	EF	7F	F1	7F	EF	7F	F1	7F	F5	7F	F4	7F	E7	7F	E7	7F	ED	7F
0672	F8	7F	F1	7F	E5	7F	DF	7F	D8	00	19	7B	7B	7A	7C	77	74	7B	79	7B	7F	7F	7D	80	81	7D	83	84
0700	80	82	82	82	7F	81	82	7F	82	7D	7A	77	7A	80	7F	78	77	7F	81	7D	7F	83	83	86	8B	86	84	82
0728	84	85	82	81	82	7E	7C	79	7E	7D	81	7C	74	77	85	89	8D	8D	89	7D	74	83	8E	82	7A	7D	00	1B
0756	7F	7F	7F	7F	7F	7F	7F	7F	7F	80	80	7F	7E	7D	7C	7B	7A	7B	7C	7D	7F	7F	7E	7D	7E	7E	7D	
0784	7D	7D	7E	7E	7D</																							

5817 Continued

0924	AB	00	3B	00	00	3D	FF	FF	00	3E	00	A1	00	3F	00	15	00	41	FF	FF	00	42	00	A1	00	43	FF	FF			
0952	00	47	01	00	48	00	00	4B	00	00	4C	01	00	4D	00	00	4F	FF	00	5B	02	88	02	89	02	8A	02	8B			
0980	02	8B	02	8B	02	8B	02	8A	02	89	02	88	02	87	02	86	02	85	02	84	02	82	02	80	02	7E	02	7B			
1008	02	79	02	77	02	76	02	73	02	70	02	6F	02	6E	02	6C	00	5C	6A	6A	59	27	00	00	00	00	00	00			
1036	00	00	00	00	00	00	00	00	00	00	0B	0C	07	00	00	00	00	05	D	25	68	25	A0	25	EE	25	E8	25	CF		
1064	25	DD	25	A3	25	51	25	09	24	D2	24	74	24	37	23	F1	23	9A	22	88	22	1C	21	90	20	F9	20	OA			
1092	1F	7F	1F	1D	1E	B2	1D	E1	1D	CA	1D	93	1C	B5	00	5E	20	6B	20	28	20	OD	20	08	1F	F5	1F	E2			
1120	1F	DA	1F	96	1F	87	1F	66	1F	35	1E	EO	1E	A1	1E	E1	1E	ED	1E	52	1E	40	1E	F9	1E	D4	20	B4			
1148	1D	61	1B	ED	1A	A7	1A	B8	1A	EE	1A	EE	00	5F	01	01	01	01	01	01	01	01	01	01	01	01	01	02	02		
1176	02	02	02	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	00		
1204	00	00	00	00	00	00	00	00	00	00	00	00	00	61	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01		
1232	01	01	01	02	02	02	01	01	02	01	02	02	00	65	FF	FF	00	66	FF	FF	00	6D	00	15	00	6E	FF	FF			
1260	01	11	00	15	03	E8	01	03	E9	01	EC	03	EA	01	EC	03	F2	00	04	79	60	01	F5	00	00	01	F6	00			
1288	00	01	F7	00	00	01	F8	CB	10	9D	EO	01	F9	41	95	BF	E1	01	FA	CC	5D	87	28	FE	5C	87	28	FF			
1316	FF																														
1344	FF	01	FC	00	00	02																									
1372	00	02	00	50	00	02	01	7F	D9	02	02	FF																			
1400	FF	02	03	00	02	06	00	41	02	07	83	81	7F	7D	7E	7D	7D														
1428	7D	7C	7C	7C	7B	79	78	76	76	76	74	74	72	70	6E	6D	6C	69	6C	6D	6E	6D	6A	68	68	6A	68	68			
1456	74	70	75	6F	75	76	72	6D	78	6F	74	74	6E	6F	02	08	80	82	82	80	81	80	7F	7D	7C	7B					
1484	7A	7A	7A	7A	7A	7B	7A	7A	7A	7A	7A	7A	78	77	78	78	76	74	73	73	75	78	78	77	76	78	78				
1512	7A	78	79	78	7A	76	79	7A	7B	7E	79	67	02	09	7D	7E	80	82	7F	7E	7E	7D	7D	7E	7D	7D					
1540	7D	7D	7E	7D	7E	7F	7F	7D	7D	7F	7B	7D	7E	80	7E	7F	7D	7E	7E	7F	7D	7E	7C	7B	81	82	82				
1568	77	77	83	84	81	7E	77	89	83	02	0A	80	7F	7E	7E	7E	7E	7E													
1596	7D	7D	7D	7D	7C	7B	7B	7A	7B	7C	7D	7C	7A	79	79	78	77	78	7A	7B	7D	7F	82	82	7F	7D	7B				
1624	79	78	78	78	79	7F	02	OB	7F	7F	7F	7F	7F	7F	7E	7F	7E	7F	7F	7F	7F										
1652	7F	7F	7F	80	7F	7F	7F	7C	7E	80	81	80	7E	7F	7F	82	83	81	7C	82	84	86	84	87	81	8D	8C	82			
1680	7C	8F	91	02	0C	7F																									
1708	7F	80	7F	7F	81	7F	7F	7D	7E	7F	7F	7C	7F	80	7F	7E															
1736	02	0D	00	02	0E	00	02	0F	00	02	10	44	02	11	94	F4	A7	49	02	12	00	02	13	00	02	14	FF	02			
1764	15	00	00	E7	5C	02	16	00	02	17	7F	F3	80	02	7F	FC	7F	F9	7F	FD	7F	FC	7F	FA	7F	FD	7F	FC			
1792	80	05	7F	FO	7F	FA	7F	F9	7F	FC	7F	F1	7F	F9	80	01	7F	F5	7F	FD	7F	F6	80	20	7F	E8	7F	F3			
1820	7F	F4	80	01	7F	DE	7F	FE	7F	DA	7F	F4	7F	F9	7F	F6	7F	FC	7F	EB	7F	FA	7F	FD	80	05	7F	F6			
1848	80	07	7F	FO	80	07	80	03	7F	F4	80	01	80	02	7F	F7	80	04	7F	F2	7F	FD	80	0A	80	00	80	00			
1876	80	02	7F	FE	80	01	80	00	80	02	7F	FA	7F	FD	80	00	7F	FD	7F	FC	7F	FD	7F	FF	80	02					
1904	80	00	7F	FD	80	00	7F	FD	7F	F9	7F	FE	7F	FF	80	01	80	02	7F	FC	7F	FF	02	18	7F	F4	80	16			
1932	7F	E4	80	29	7F	FA	7F	F5	80	07	7F	F5	80	02	7F	CE	7F	E1	80	21	7F	EC	80	03	80	04	80	4B			
1960	7F	DE	7F	E2	7F	C7	7F	F9	7F	D1	80	3B	7F	BF	80	0C	7F	E8	7F	EO	80	07	7F	F0	80	16	7F	E7			
1988	7F	F9	80	0F	7F	BC	80	0A	80	0E	7F	E7	7F	ED	7F	FD	80	15	7F	D2	80	05	7F	FB	7F	FF	80	01			
2016	7F	DB	80	00	80	04	80	04	7F	EA	80	12	7F	FA	80	05	80	01	7F	FD	7F	FD	80	06	7F	EE	7F	FC			
2044	7F	FC	7F	FF	7F	F9	7F	FD	7F	FC	80	02	7F	FB	80	01	7F	FB	7F	FD	7F	FB	7F	FD	7F	FF	7F	FD			
2072	7F	FE	7F	FA	80	05	7F	FD	02	19	80	09	80	04	80	04	80	06	7F	F6	7F	FE	80	11	80	03	7F	CD			
2100	80	05	80	09	7F	F1	7F	FE	80	26	80	62	7F	FD	80	0A	7F	E6	7F	BD	7F	F9	80	18	7F	DD	7F	E8			
2128	80	05	7F	D4	7F	DC	80	03	80	05	7F	F3	80	22	80	27	80	26	80	18	7F	EB	80	12	80	0C	7F	EE			
2156	7F	DD	80	08	80	18	7F	E9	7F	F5	80	02	80	14	7F	E5	80	05	80	00	7F	F5	80	06	80	0E	7F	FB			
2184	80	00	80	05	7F	FF	7F	FA	7F	F9	80	05	7F	F9	80	02	7F	FE	80	02	7F	FF	7F	F9	7F	FE	7F	F9			
2212	7F	FD	7F	FC	80	00	7F	FF	80	00	80	03	80	02	80	01	7F	FE	7F	FD	7F	FC	02	1A	7F	FD	80	05			
2240	7F	EE	7F	F4	80	0B	80	14	7F	E9	7F	E8	80	2C	7F	F1	7F	F1	80	08	80	04	7F	E1	7F	FD	80	0C			
2268	80	04	80	16	80	1F	80	01	7F	E7	80	03	80	21	7F	FD	80	04	80	07	80	0B	7F	ED	7F	F1	7F	E8			
2296	7F	F3	7F	E0	7F	CA	80	07	80	0B	7F	E4	80	05	80	05	80	13	7F	F5	7F	F7	7F	DA	7F	EF	80	1A			
2324	80	0F	7F	FB	7F	FA	80	13	80	07	7F	F7	7F	EE	80	02	80	06	7F	F7	80	04	80	05	80	01	7F	FD			
2352	7F	FD	7F	F3	7F	F9	80	01	7F	FB	7F	FE	80	01	7F	FE	7F	F9	7F	FD	7F	F7	7F	FA	7F	FB					
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5817 Continued

2632	7F	7F	7D	7D	7D	78	7C	02	1F	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	33	33			
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2716	34	34	34	34	34	34	34	34	33	33	33	34	33	34	34	34	33	33	34	35	34	32	31	31	33	31	30		
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2772	80	7F	7F	7D	7C	7C	7F	7F	81	82	84	85	86	85	84	83	82	83	84	86	86	87	87	86	84	81	81	82	
2800	80	7E	7C	7D	7F	81	81	82	85	89	8C	8D	8E	8F	90	8F	8C	8A	88	87	85	83	82	82	81	80	7D	7D	
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2856	26	04	04	04	04	04	04	04	04	04	04	04	04	04	02	27	00	00	00	00	00	00	00	00	00	00	00	00	00
2884	00	00	02	28	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
2912	00	00	00	00	00	00	00	00	02	29	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	02	2A	
2940	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	02	2B	00	00	00	00	00	00	00	00	00	00	00	
2968	00	00	00	00	00	00	00	02	2C	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
2996	00	00	00	00	00	00	00	00	00	00	00	00	02	2D	00	02	2E	01	02	2F	00	3A	02	30	00	A3	02	31	
3024	00	A3	02	32	70	02	33	0A	OC	15	18	15	19	15	17	00	00	00	00	15	18	15	18	08	1A	00	00	FF	
3052	FF	FF	FF	15	17	00	00	FF	FF	FF	FF	00	00	00	00	FF	0A	OB	FF	FF	02								
3080	34	00	00	00	00	00	00	00	00	00	00	00	00	00	00	03	E7	00	01	00	00	00	00	00	01	00	00	00	
3108	00	00	00	00	01	00	00	00	01	00	00	00	2B	00	00	01	00	00	00	00	04	00	01	00	03	00	5A	00	
3136	00	00	00	5A	00	FF	F6	FF	03	00	00	00	FF	33	43	FF	3F	46	07	00	64	A0	1D	3F	00	00	10	00	00
3164	07	FF																											
3192	FF	FF	FF	FF	FF	FF	50	00	7F	D9	FF	FF	FF	FF	00	OA	00	9C	00	00	E0	FF	FF	FF	FF	01	43	FF	
3220	FF	00	00	FF	FF	FF	FF	FF	FF	00	08	FF	FF	00	00	2C	DO	00	00	2C	DO	00	00	2C	DO	FF	FF	FF	FF
3248	FF	00	00	2C	DO	00	00	2C	DO	00	0A	00	9C	00	2B	00	2B	00	2B	FF	FF								
3276	FF	FF	FF	FF	00	2B	00	2B	00	4C	00	4C	00	4C	FF	FF	FF	FF	FF	FF	00	4C	00	4C	00	00	00	00	00
3304	00	00	00	00	00	00	00	00	00	00	00	00	00	00	12	FF	FF	00	OA	FF	FF	00	2B	00	2B	00	2B	FF	FF
3332	FF	FF	FF	09	C7	00	9B	00	8C	FF	FF	00	87	00	00	00	00	00	00	00	24	OF	OF	OF	FF	FF	FF	27	00
3360	00	00	00	00	00	08	08	08	08	FF	FF	FF	22	FF															
3388	FF	FF	FF	FF	FF	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	E0	FF	FF	FF	FF	FF	FF	
3416	FF																												
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3500	00	00	00	FF	FF	FF	FF	81	01	3F	0B	FF	FF	05	EF	05	60	FF	FF	FF	FF	05	F0	FF	FF	FF	FF	01	00
3528	43	01	43	00	00	FF	FF	BB	27	1D	0D	78	FF	FF	20	00	FF												
3556	FF																												
3584	FF																												
3612	FF																												
3640	FF																												
3668	00	00	00	00	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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3724	00	00	00	00	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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3780	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
3808	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
3836	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	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	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	

1E B1 EB 63 A2 E8 8D E8 88 EC AO EE D6 EF 15 8B F2 08 00 37 41 85 77 FB FE DB 7A 44 24 F1 08 54

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