Table 7-10 - Accelerometer Specifications

<table>
<thead>
<tr>
<th>TYPE</th>
<th>LOCATION</th>
<th>RANGE</th>
<th>ORIENTATION</th>
<th>TEST NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATHAM</td>
<td>VEHICLE C.G.</td>
<td>100 G</td>
<td>LONGITUDINAL</td>
<td>ALL</td>
</tr>
<tr>
<td>STATHAM</td>
<td>VEHICLE C.G.</td>
<td>100 G</td>
<td>LATERAL</td>
<td>ALL</td>
</tr>
<tr>
<td>STATHAM</td>
<td>VEHICLE C.G.</td>
<td>50 G</td>
<td>VERTICAL</td>
<td>ALL</td>
</tr>
<tr>
<td>HUMPHREY</td>
<td>VEHICLE C.G.</td>
<td>180 DEG/SEC</td>
<td>ROLL</td>
<td>ALL</td>
</tr>
<tr>
<td>HUMPHREY</td>
<td>VEHICLE C.G.</td>
<td>90 DEG/SEC</td>
<td>PITCH</td>
<td>ALL</td>
</tr>
<tr>
<td>HUMPHREY</td>
<td>VEHICLE C.G.</td>
<td>180 DEG/SEC</td>
<td>YAW</td>
<td>ALL</td>
</tr>
<tr>
<td>ENDEVCO</td>
<td>VEHICLE C.G.</td>
<td>200 G</td>
<td>LONGITUDINAL</td>
<td>ALL</td>
</tr>
<tr>
<td>ENDEVCO</td>
<td>VEHICLE C.G.</td>
<td>200 G</td>
<td>LATERAL</td>
<td>ALL</td>
</tr>
<tr>
<td>ENDEVCO</td>
<td>VEHICLE C.G.</td>
<td>200 G</td>
<td>VERTICAL</td>
<td>ALL</td>
</tr>
</tbody>
</table>

Figure 7-4 - Vehicle Accelerometer Sign Convention
Figure 7-5 - Test 581 Vehicle Accelerations Vs Time
Figure 7-6 - Test 581 Vehicle Longitudinal Acceleration, Velocity, and Distance Vs Time
Figure 7-7 - Test 581 Vehicle Lateral Acceleration, Velocity, and Distance Vs Time
Figure 7-8 - Test 581 Vehicle Roll, Pitch, and Yaw Vs Time
Figure 7-9 - Test 581 Acceleration Severity Index Vs Time

Acceleration Severity Index (ASI) = 1.65 ~ @ 0.0519 s
Figure 7-10 - Test 582 Vehicle Accelerations Vs Time
Figure 7-12 - Test 582 Vehicle Lateral Acceleration, Velocity, and Distance Vs Time
Figure 7-13 - Test 582 Vehicle Roll, Pitch, and Yaw Vs Time
Figure 7-14 - Test 582 Acceleration Severity Index Vs Time

Acceleration Severity Index (ASI) = 1.40 @ 0.0381 s
Figure 7-15 - Test 583 Vehicle Accelerations Vs Time
Figure 7-16 - Test 583 Vehicle Longitudinal Acceleration, Velocity, and Distance Vs Time
Figure 7-17 - Test 583 Vehicle Lateral Acceleration, Velocity, and Distance Vs Time
Figure 7-18 - Test 583 Vehicle Roll, Pitch, and Yaw Vs Time
Figure 7-19 - Test 583 Acceleration Severity Index Vs Time

Acceleration Severity Index (ASI) = 1.55 @ 0.0511 s
Figure 7-20 - Test 584 Vehicle Accelerations Vs Time
Figure 7-21 - Test 584 Vehicle Longitudinal Acceleration, Velocity, and Distance Vs Time
Figure 7-22 - Test 584 Vehicle Lateral Acceleration, Velocity, and Distance Vs Time
Figure 7-23 - Test 584 Vehicle Roll, Pitch, and Yaw Vs Time
Figure 7-24 - Test 584 Acceleration Severity Index Vs Time

Acceleration Severity Index (ASI) = 1.62 @ 0.0300 s
Figure 7-25 - Test 585 Vehicle Accelerations Vs Time
Figure 7-26 - Test 585 Vehicle Longitudinal Acceleration, Velocity, and Distance Vs Time
Figure 7-27 - Test 585 Vehicle Lateral Acceleration, Velocity, and Distance Vs Time
Figure 7-28 - Test 585 Vehicle Roll, Pitch, and Yaw Vs Time
Figure 7-29 - Test 585 Acceleration Severity Index Vs Time

Acceleration Severity Index (ASI) = 1.97 @0.0521 s
Figure 7-30 - Test 587 Vehicle Accelerations Vs Time
Figure 7-31 - Test 587 Vehicle Longitudinal Acceleration, Velocity, and Distance Vs Time
Figure 7-32 - Test 587 Vehicle Lateral Acceleration, Velocity, and Distance Vs Time
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Figure 7-36 - Test 588 Vehicle Longitudinal Acceleration, Velocity, and Distance Vs Time
Figure 7-37 - Test 588 Vehicle Lateral Acceleration, Velocity, and Distance Vs Time
Figure 7-38 - Test 588 Vehicle Roll, Pitch, and Yaw Vs Time
Figure 7-39 - Test 588 Acceleration Severity Index Vs Time
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Figure 7-43 - Test 589 Vehicle Roll, Pitch, and Yaw Vs Time
Figure 7-44 - Test 589 Acceleration Severity Index Vs Time