



# Wireless Transportation Monitoring

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## IMPACT FILTERING TOOL

### More Than Impact Reporting

For users that have impact detection capabilities, an Impact Filtering Tool is now available. Under "specialty reports," this interactive tool zooms in on impacts at an individual level and will allow the user to get a more clear-cut look at an impact. Providing two main rewards, the Impact Filtering Tool removes "noise" or vibrations, and helps visualize the relationship between acceleration and delta velocity.

#### To use the tool:

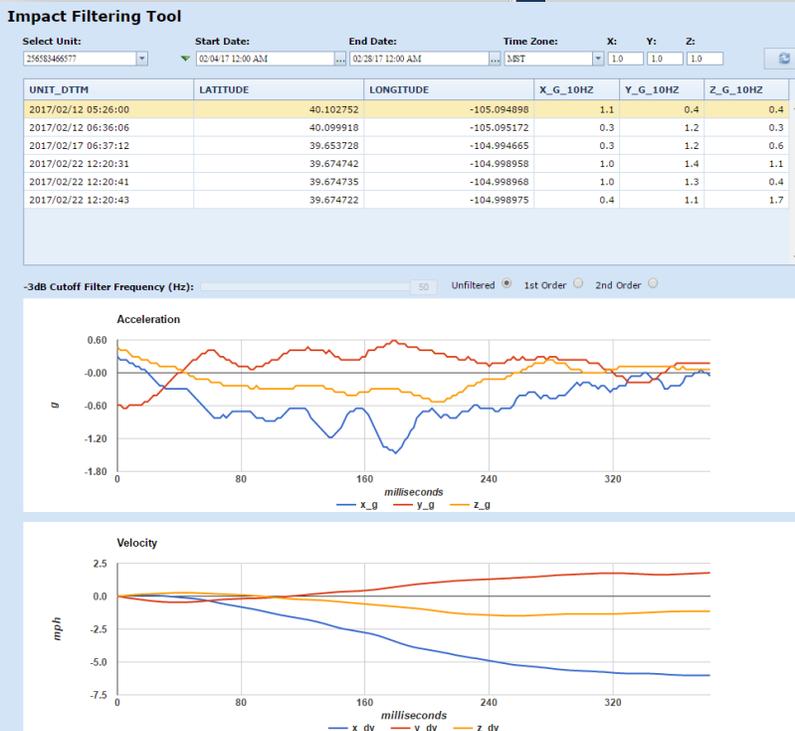
1. Log in to your Lat-Lon account and go to the "Specialty Reports" tab. Click on "Impact Filtering Tool."
2. Select a unit and date range along with inputting x, y, and z 10 Hz G values for data filtering. The filter will show all impacts with data where the x, y, and / or z 10 Hz G values are equal to or above the values input.
3. Click the "refresh" arrow button to the right of the "z-value box" and a table will appear. This table lists the impacts that fit the specified criteria that were entered in the previous step. Example: If you put 1.0 in the x, y, and z value (default) boxes at the top of the screen, the Impact Filtering Tool will filter

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### UPCOMING SHOWS:

**ASLRRA 4/22/17-4/25/17**  
 American Short Line and Regional  
 Railroad Association  
 Gaylord, TX  
[Click here for Details](#)

**IMX 5/22/17-5/24/17**  
 Inland Marine Expo  
 St. Louis, MO  
[Click here for Details](#)



in impacts where either the x, y, OR z value is greater than or equal to 1.0.

4. Click on a line of data in the table. The selected will be highlighted in yellow, and an acceleration and velocity graphs for that specified impact will appear below.

If you have specific questions regarding the Impact Filtering Tool, please contact Amy Boehm at [aboehm@lat-lon.com](mailto:aboehm@lat-lon.com).

## M2M: The Machine to Machine Evolution

### Communication is Changing

M2M (Machine to Machine) is a term used to describe the ability of network-enabled devices to openly “talk” or exchange data between one another. M2M has been around for quite some time, but is rapidly expanding in a number of different industries. As the M2M evolution occurs, it is amazing to see what improvements this technology can bring to most every environment. From smart cars with emerging safety/traffic capabilities, “wearables” such as fitness trackers or health monitors, to business applications for inventory or freight management, the possibilities of M2M are seemingly endless and quickly expanding.

One step in this evolution is the automatic programming or SMART logic if/then commands Lat-Lon added with ADC or Automatic Device Configuration. A feature launched in June 2016, the ADC has enabled users to change device reporting based on custom metrics.

Just as M2M is rapidly expanding, so are the networks that support the communication and connectivity of these devices. Being able to provide enough cellular or satellite coverage is getting more and more complicated and expensive. What if there was a way to both improve network coverage all while keeping it at a low cost?

Such technology already exists in M2M, called Low-Power Wide-Area networks. These networks offer a mix of long range, low power wireless communications and secure data transmission and could be the standard in the future of M2M communication. To learn more about the evolution of M2M, read [our blog](#). ☺

## LAT-LON AT THE 2017 ASLRRRA CONNECTIONS

Lat-Lon will be attending the American Short Line and Regional Railroad Association Connections in Gaylord, Texas April 22 – April 25, 2017. We are excited to exhibit alongside our parent company, BSM Technologies, and network with like-minded rail professionals as well as re-connect with

## NEWS CONT'D.:

### New Map Features in Reporting

We sent out an email on March 1<sup>st</sup> to notify all customers of newly released features in our maps. When you log in to your Lat-Lon account, you are now able to use these enhancements:

- Use the layer icon at the top right of any map to easily switch between satellite, map, and hybrid view
- Click on any geo-point, geo-fence, or tripwire on any map to view the corresponding name
- Geo-items page has been redesigned for a more user friendly experience
- Toolbar added to geo-items page to create and edit geo-items more efficiently

To view the original email announcement (including screenshots) click [here](#).

### BSM Products:

Our parent company, BSM offers an Hours-of-Service solution to help remain compliant and keep drivers safe. Automating a driver log system allows greater control of HOS compliance both on the road and in the office while minimizing exposure. [Learn more](#). ☺



many of our customers. We welcome any of our customers attending the show to stop by our booth to say hi or to ask any questions about our new optical fuel probe, locomotive monitoring unit, or the automatic start stop system.

This year, we will be presenting educational sessions in our booth during the show. To make these sessions beneficial and productive, we are requesting customer feedback on specific topics you would like to learn about via Lat-Lon. Our goal is to provide information and topics in the areas that benefit customers the most. Please contact Cam Yeow at [cyeow@lat-lon.com](mailto:cyeow@lat-lon.com) if you are interested in setting up an appointment during the show or have information on topics you would like to see covered at the show. More info on ASLRRRA can be found [here](#).✦

## CUSTOMER SURVEY

In January, we conducted a customer survey regarding satisfaction with Lat-Lon products and services. This survey provided valuable insight and we would like to give a **Thank You** to all who were able to participate! The feedback we received is vital in helping Lat-Lon provide the highest standards to our customers.

We appreciate and welcome anyone who would still like to provide any sort of feedback on our company, services, products, customer support, etc. A link to provide anonymous feedback will be available shortly on the Lat-Lon login screen permanently, and also by clicking [here](#).✦

