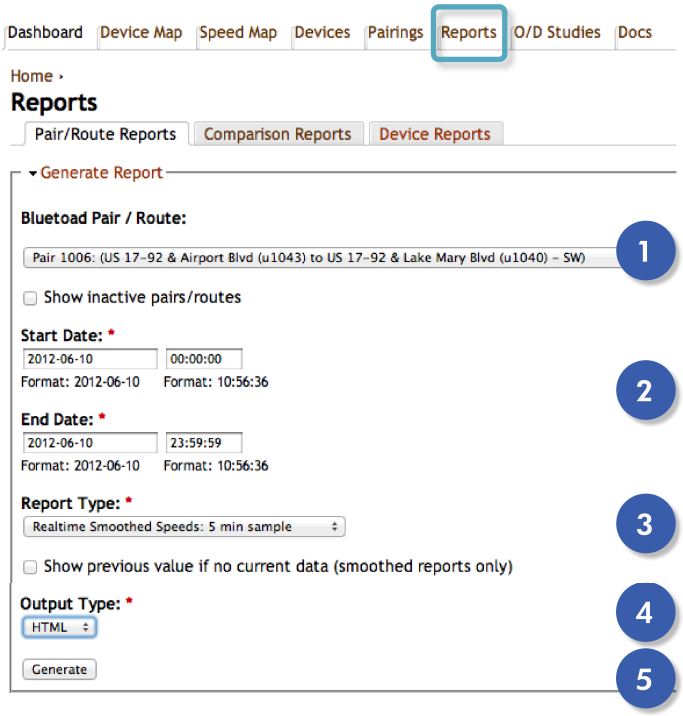
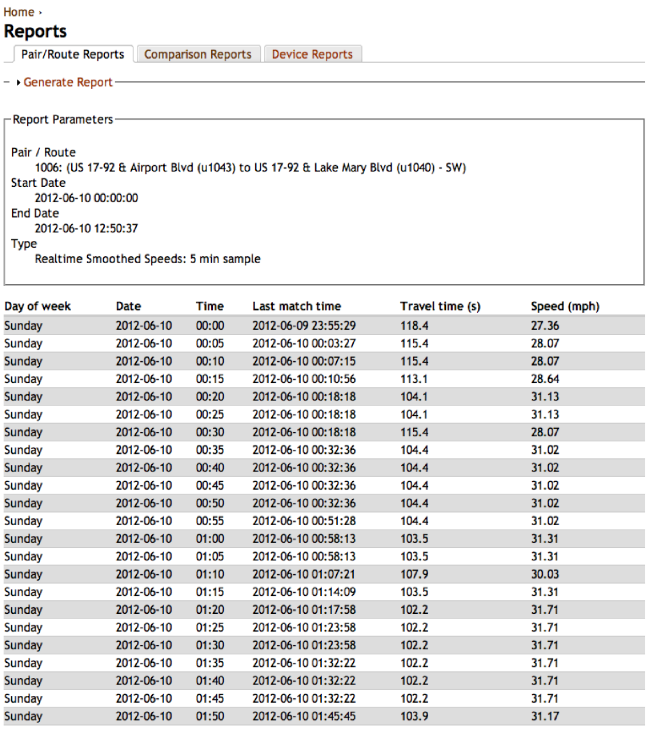
Section 5 - Generating Information Reports





Day of week	Date	Time	Last match time	Travel time (s)	Speed (mph)
Sunday	2012-06-10	00:00	2012-06-09 23:55:29	118.4	27.36
Sunday	2012-06-10	00:05	2012-06-10 00:03:27	115.4	28.07
Sunday	2012-06-10	00:10	2012-06-10 00:07:15	115.4	28.07
Sunday	2012-06-10	00:15	2012-06-10 00:10:56	113.1	28.64
Sunday	2012-06-10	00:20	2012-06-10 00:18:18	104.1	31.13
Sunday	2012-06-10	00:25	2012-06-10 00:18:18	104.1	31.13
Sunday	2012-06-10	00:30	2012-06-10 00:18:18	115.4	28.07
Sunday	2012-06-10	00:35	2012-06-10 00:32:36	104.4	31.02
Sunday	2012-06-10	00:40	2012-06-10 00:32:36	104.4	31.02
Sunday	2012-06-10	00:45	2012-06-10 00:32:36	104.4	31.02
Sunday	2012-06-10	00:50	2012-06-10 00:32:36	104.4	31.02
Sunday	2012-06-10	00:55	2012-06-10 00:51:28	104.4	31.02
Sunday	2012-06-10	01:00	2012-06-10 00:58:13	103.5	31.31
Sunday	2012-06-10	01:05	2012-06-10 00:58:13	103.5	31.31
Sunday	2012-06-10	01:10	2012-06-10 01:07:21	107.9	30.03
Sunday	2012-06-10	01:15	2012-06-10 01:14:09	103.5	31.31
Sunday	2012-06-10	01:20	2012-06-10 01:17:58	102.2	31.71
Sunday	2012-06-10	01:25	2012-06-10 01:23:58	102.2	31.71
Sunday	2012-06-10	01:30	2012-06-10 01:23:58	102.2	31.71
Sunday	2012-06-10	01:35	2012-06-10 01:32:22	102.2	31.71
Sunday	2012-06-10	01:40	2012-06-10 01:32:22	102.2	31.71
Sunday	2012-06-10	01:45	2012-06-10 01:32:22	102.2	31.71
Sunday	2012-06-10	01:50	2012-06-10 01:45:45	103.9	31.17

Generate Report, HTML Format

To Use Information Reports

The Reports section provides the ability to obtain information from any of the Pairs or Routes created in the Group. You have the ability to set parameters to customize your Reports. There are different types of Reports to obtain information as well as Output options.

All BlueTOAD web-based Reports, the Pair/Route Reports, Comparison Reports and the new Device Reports, have been consolidated under a Reports Tab. This improvement allows the user a simpler Dashboard with full access to the Reports in one location.

In all Reports, the user has the option to view the results on their screen (HTML), download the data for further analysis via a Microsoft® Excel® CSV file option and if applicable, Graph the data.

Pair/Route Reports

The Pair/Route Reports allows the user to create a 5 or 15 minute average travel-time and/or Speed Report for any Pair or Routes of BlueTOADs. The user can also create an individual Speed Report which will display each and every match and its results.

To Generate Information Reports

1. Select Pair or Route.
2. Select Date range and Time.
3. Select Report Type.
4. Select Output Type (HTML, CSV, or Graph).
5. Click Generate.

Report Type: Smoothed Speeds

5-minute Sample: this Report will give Smoothed Speeds based on the selected smoothing method in a 5-minute aggregate.

15-minute Sample Smoothed Speeds: 15 minute aggregate. This Report will give smoothed Speeds based on the selected smoothing method in a 15-minute aggregate.

Report Type: Individual Speeds (Filtered)

Pair Count: Unfiltered: This Report will show all matches made with no filtering.

Pair Count: Filtered: This Report will show all matches made with filtering considered. The filter is based on the smoothing method that was selected in the Pair.

Section 5 - Generating Information Reports

Generate Report, Option 1 - HTML

All data will be displayed on a web page.

Generate Report, Option 2 - CSV

All data will be displayed as a standard CSV file, which works in many spreadsheet applications (example: Microsoft Excel & Apple Numbers).

Generate Report, Option 3 - GRAPH

All data will be displayed on the web page with a Graph. One the smoothed Speeds and individual Speeds Report types you have chart options to display Speed or Travel Time.

Double-click to add header

Bluetoad Data Report					
Pair	1006: (US 17-92 & Airport Blvd (u1043) to US 17-92 & Lake Mary Blvd (u1040) - SW)				
Start Date	6/10/12 0:00				
End Date	6/10/12 13:01				
Type	Realtime Smoothed Speeds: 5 min sample				
Day of week	Date	Time	Last match time	Travel time (	Speed (mph)
Sunday	6/10/12	0:00	6/9/12 23:55	118.4	27.36
Sunday	6/10/12	0:05	6/10/12 0:03	115.4	28.07
Sunday	6/10/12	0:10	6/10/12 0:07	115.4	28.07
Sunday	6/10/12	0:15	6/10/12 0:10	113.1	28.64
Sunday	6/10/12	0:20	6/10/12 0:18	104.1	31.13
Sunday	6/10/12	0:25	6/10/12 0:18	104.1	31.13
Sunday	6/10/12	0:30	6/10/12 0:18	115.4	28.07
Sunday	6/10/12	0:35	6/10/12 0:32	104.4	31.02
Sunday	6/10/12	0:40	6/10/12 0:32	104.4	31.02
Sunday	6/10/12	0:45	6/10/12 0:32	104.4	31.02
Sunday	6/10/12	0:50	6/10/12 0:32	104.4	31.02
Sunday	6/10/12	0:55	6/10/12 0:51	104.4	31.02
Sunday	6/10/12	1:00	6/10/12 0:58	103.5	31.31
Sunday	6/10/12	1:05	6/10/12 0:58	103.5	31.31
Sunday	6/10/12	1:10	6/10/12 1:07	107.9	30.03
Sunday	6/10/12	1:15	6/10/12 1:14	103.5	31.31
Sunday	6/10/12	1:20	6/10/12 1:17	102.2	31.71
Sunday	6/10/12	1:25	6/10/12 1:23	102.2	31.71
Sunday	6/10/12	1:30	6/10/12 1:23	102.2	31.71
Sunday	6/10/12	1:35	6/10/12 1:32	102.2	31.71
Sunday	6/10/12	1:40	6/10/12 1:32	102.2	31.71
Sunday	6/10/12	1:45	6/10/12 1:32	102.2	31.71
Sunday	6/10/12	1:50	6/10/12 1:45	103.9	31.17
Sunday	6/10/12	1:55	6/10/12 1:52	102.2	31.71
Sunday	6/10/12	2:00	6/10/12 1:55	102.2	31.71
Sunday	6/10/12	2:05	6/10/12 1:55	102.2	31.71
Sunday	6/10/12	2:10	6/10/12 1:55	102.2	31.71
Sunday	6/10/12	2:15	6/10/12 1:55	102.2	31.71
Sunday	6/10/12	2:20	6/10/12 1:55	102.2	31.71
Sunday	6/10/12	2:25	6/10/12 2:23	100	32.4
Sunday	6/10/12	2:30	6/10/12 2:24	100.1	32.35
Sunday	6/10/12	2:35	6/10/12 2:24	100.1	32.35
Sunday	6/10/12	2:40	6/10/12 2:24	100.1	32.35
Sunday	6/10/12	2:45	6/10/12 2:24	100.1	32.35
Sunday	6/10/12	2:50	6/10/12 2:24	100.1	32.35

Generate Report, CSV File Format

Home ›

Reports

Pair/Route Reports | Comparison Reports | Device Reports

– ▸ Generate Report

Report Parameters

Pair / Route
1006: (US 17-92 & Airport Blvd (u1043) to US 17-92 & Lake Mary Blvd (u1040) - SW)
Start Date
2012-06-10 00:00:00
End Date
2012-06-10 12:50:37
Type
Realtime Smoothed Speeds: 5 min sample

Day of week	Date	Time	Last match time	Travel time (s)	Speed (mph)
Sunday	2012-06-10	00:00	2012-06-09 23:55:29	118.4	27.36
Sunday	2012-06-10	00:05	2012-06-10 00:03:27	115.4	28.07
Sunday	2012-06-10	00:10	2012-06-10 00:07:15	115.4	28.07
Sunday	2012-06-10	00:15	2012-06-10 00:10:56	113.1	28.64
Sunday	2012-06-10	00:20	2012-06-10 00:18:18	104.1	31.13
Sunday	2012-06-10	00:25	2012-06-10 00:18:18	104.1	31.13
Sunday	2012-06-10	00:30	2012-06-10 00:18:18	115.4	28.07
Sunday	2012-06-10	00:35	2012-06-10 00:32:36	104.4	31.02
Sunday	2012-06-10	00:40	2012-06-10 00:32:36	104.4	31.02
Sunday	2012-06-10	00:45	2012-06-10 00:32:36	104.4	31.02
Sunday	2012-06-10	00:50	2012-06-10 00:32:36	104.4	31.02
Sunday	2012-06-10	00:55	2012-06-10 00:51:28	104.4	31.02
Sunday	2012-06-10	01:00	2012-06-10 00:58:13	103.5	31.31
Sunday	2012-06-10	01:05	2012-06-10 00:58:13	103.5	31.31
Sunday	2012-06-10	01:10	2012-06-10 01:07:21	107.9	30.03
Sunday	2012-06-10	01:15	2012-06-10 01:14:09	103.5	31.31
Sunday	2012-06-10	01:20	2012-06-10 01:17:58	102.2	31.71
Sunday	2012-06-10	01:25	2012-06-10 01:23:58	102.2	31.71
Sunday	2012-06-10	01:30	2012-06-10 01:23:58	102.2	31.71
Sunday	2012-06-10	01:35	2012-06-10 01:32:22	102.2	31.71
Sunday	2012-06-10	01:40	2012-06-10 01:32:22	102.2	31.71
Sunday	2012-06-10	01:45	2012-06-10 01:32:22	102.2	31.71
Sunday	2012-06-10	01:50	2012-06-10 01:45:45	103.9	31.17

Generate Report, HTML Format

Home ›

Reports

Pair/Route Reports | Comparison Reports | Device Reports

– ▸ Generate Report

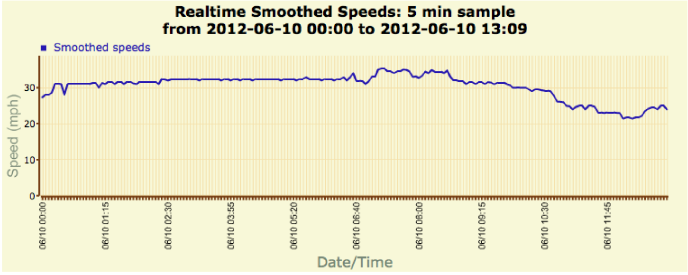
Report Parameters

Pair / Route
1006: (US 17-92 & Airport Blvd (u1043) to US 17-92 & Lake Mary Blvd (u1040) - SW)
Start Date
2012-06-10 00:00:00
End Date
2012-06-10 23:59:59
Type
Realtime Smoothed Speeds: 5 min sample

Chart Options

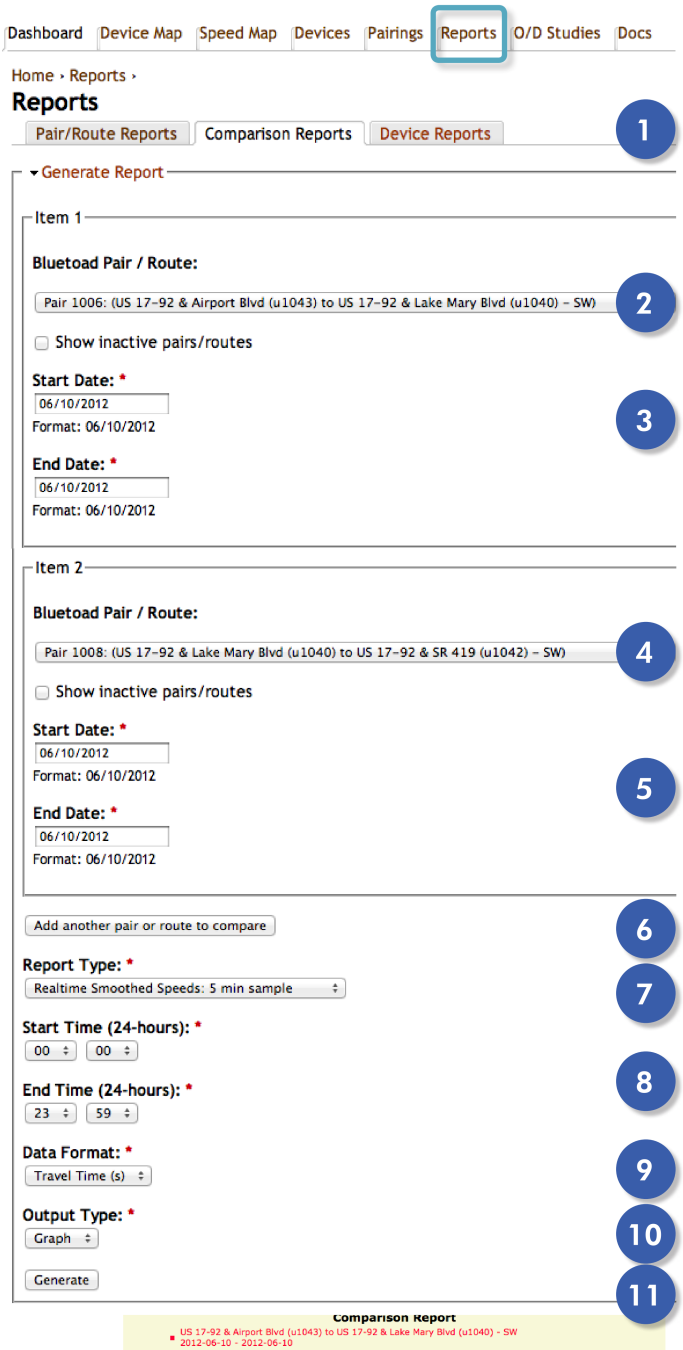
Speed display mode:

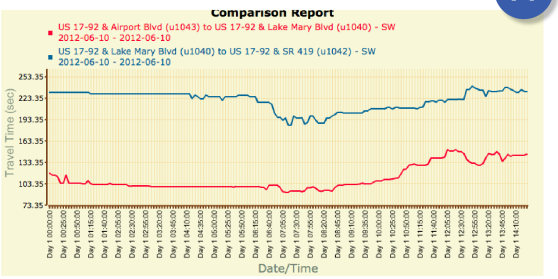
- (•) Speed
- ( ) Travel Time



Generate Report, Graph Format

Section 5 - Generating Information Reports





Generated Comparison Report - Graph Output Type, Travel Times Data

Using Comparison Reports

The Comparison Reports section provides the ability to obtain information from multiple Pairs or Routes created in a Group. You have the ability to set parameters to customize your Reports. There are different types of Reports to obtain information as well as Output options.

The Comparison Report allows the user to create a Comparison Report for two (2) or more time frames. For example, if you wanted to compare data from Tuesday – Thursday from 6-9 am, from a week before a construction project, and compare the results versus a Tuesday – Thursday from 6-9 am from a week during construction, the Comparison Report will do that for you.

To Generate Comparison Reports

1. Select Comparison Reports Tab.
2. Item 1 - Select Pair or Route.
3. Select Date range and Time.
4. Item 2 - Select Pair or Route.
5. Select Date range and Time.
6. (Optional) Select another Pair or Route to add to Comparison Report.
7. Select Report Type.
8. Select Start/End Date.
9. Select Data Format (Travel Times or Speeds).
10. Select Output Type (HTML, CSV, or Graph).
11. Click Generate.

Report Types

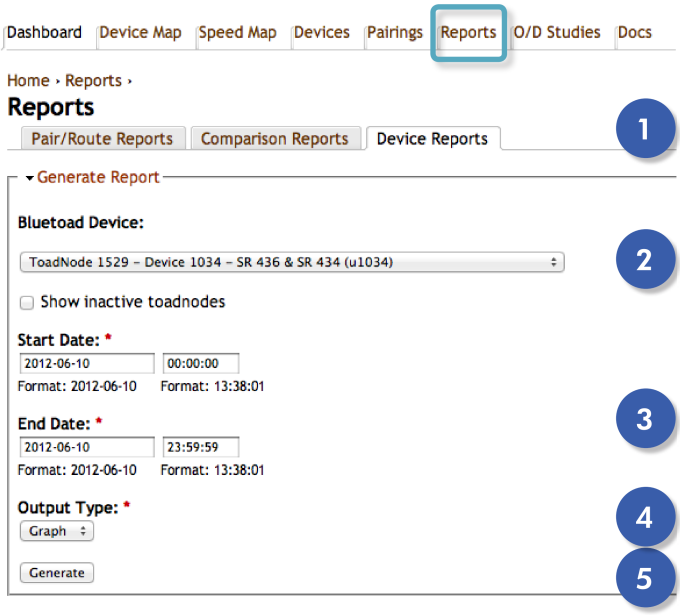
Realtime smoothed Speeds: 5 min aggregate. This Report will give smoothed Speeds based on the selected smoothing method in a detailed 5 minute sample

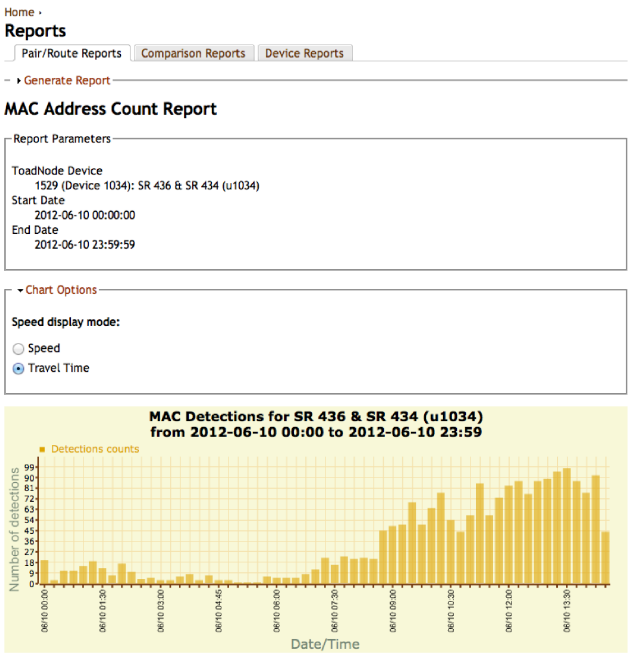
Realtime smoothed Speeds: 15 min aggregate. This Report will give smoothed Speeds based on the selected smoothing method in a 15 minute aggregate

Report Type Options

- Realtime smoothed Speeds: 5 min aggregate
- Realtime smoothed Speeds: 15 min aggregate
- Individual Speeds (filtered): 5 min aggregate
- Individual Speeds (filtered): 15 min aggregate

Section 5 - Generating Information Reports





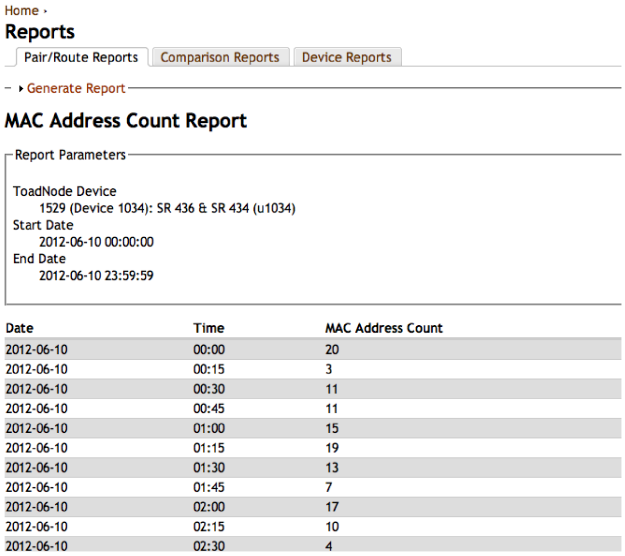
Generate Device Reports - Graph Format

Using Device Reports

The Device Reports section provides the ability to obtain information from individual BlueTOAD devices, or TOADNodes. You also have the ability to set Report parameters and display information in a variety of Output options (HTML, CSV, or Graph).

To Generate Device Reports

1. Select Device Reports Tab.
2. Select individual TOADNode (a single BlueTOAD Device.
3. Select Date range and Time.
4. Select Output Type (HTML, CSV, or Graph).
5. Click Generate.



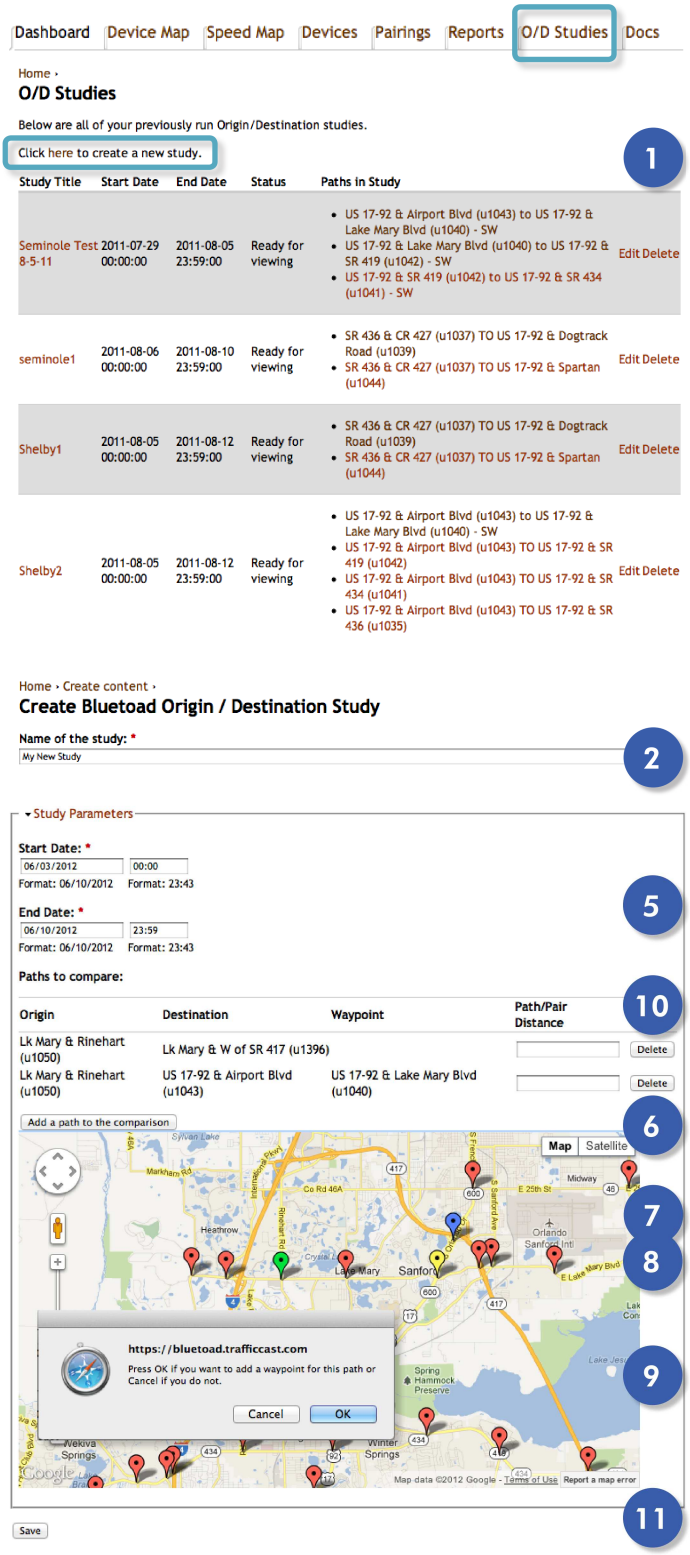
Date	Time	MAC Address Count
2012-06-10	00:00	20
2012-06-10	00:15	3
2012-06-10	00:30	11
2012-06-10	00:45	11
2012-06-10	01:00	15
2012-06-10	01:15	19
2012-06-10	01:30	13
2012-06-10	01:45	7
2012-06-10	02:00	17
2012-06-10	02:15	10
2012-06-10	02:30	4

Generate Device Reports - HTML Format

Bluetoad MAC Count Report		
Device	1529 (Device 1034): (SR 436 & SR 434 (u1034))	
Start Date	6/10/12 0:00	
End Date	6/10/12 23:59	
Date	Time	MAC Address Count
6/10/12	0:00	20
6/10/12	0:15	3
6/10/12	0:30	11
6/10/12	0:45	11
6/10/12	1:00	15
6/10/12	1:15	19
6/10/12	1:30	13
6/10/12	1:45	7
6/10/12	2:00	17
6/10/12	2:15	10
6/10/12	2:30	4
6/10/12	2:45	5
6/10/12	3:00	3
6/10/12	3:15	3
6/10/12	3:30	6

Generate Device Reports - CSV File Format

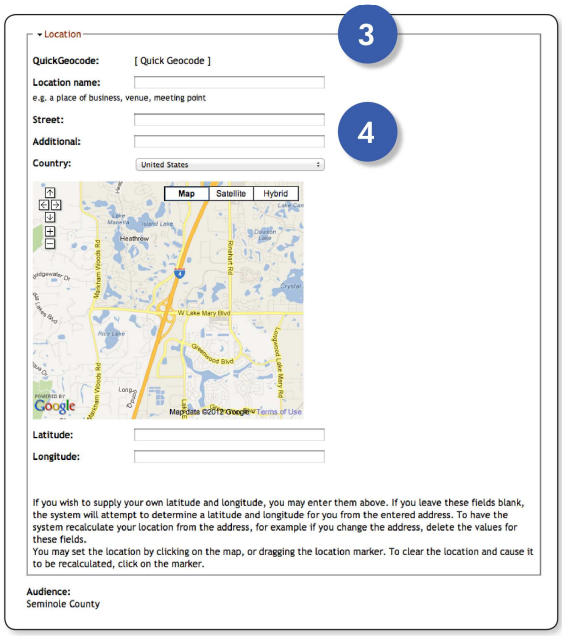
Section 6 - Using Origin/Destination Studies



To Generate Origin/Destination Studies

1. Click on "here" to create new Study.
2. Input Name of Study.
3. Click on location drop down.
4. Optional - input Location information for O/D Study.
5. Select Date range.
6. Click on "Add path to the comparison."
7. Click on Origin pin (Green pin).
8. Click on Destination pin (Blue pin).
9. Accept or Cancel Waypoint option (Yellow pin).

Waypoint Option: this window will appear after an Origin is selected. This feature gives the ability to add a Waypoint which can be between the Origin and Destination. It will be considered in the calculation of the O/D Study. Selecting Cancel will then prompt you to select the Destination.

Once you have selected an Origin, optional Waypoint, and Destination the O/D Study will need time to process the request and build a Report. Once the Report is completed you will receive an automated email indicating that the Report is complete. It can be accessed by going to O/D Studies page.

10. Input Distance.
11. Click Save.