

# **BumpRecorder Web**

## **Users Manual**

**Distance base graph**

**Distance base table**



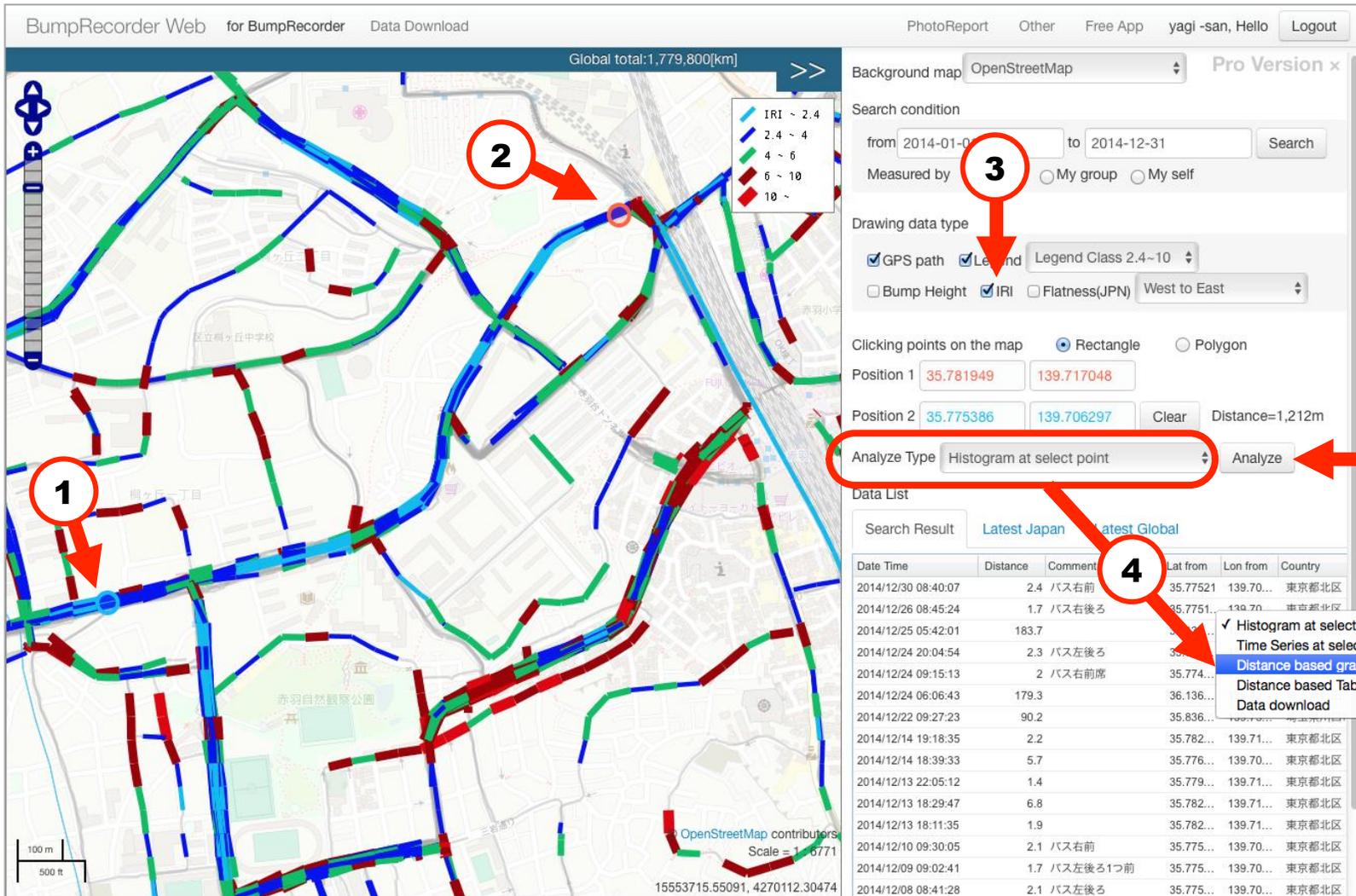
**2016.9.6**

**BumpRecorder Co., Ltd.**

**<http://www.bumprecorder.com/>**

# Distance base graph

- (1) Select start point, (2) Select end point, (3) Check "IRI",  
 (4) Select "Distance based graph", (4) Press "Analyze" button



BumpRecorder Web for BumpRecorder Data Download

Global total: 1,779,800[km]

Background map: OpenStreetMap

Search condition: from 2014-01-01 to 2014-12-31

Measured by:  My group  My self

Drawing data type:  GPS path  Legend Legend Class 2.4~10  Bump Height  IRI  Flatness(JPN) West to East

Clicking points on the map:  Rectangle  Polygon

Position 1: 35.781949, 139.717048

Position 2: 35.775386, 139.706297 Distance=1,212m

Analyze Type: Histogram at select point Analyze

Data List

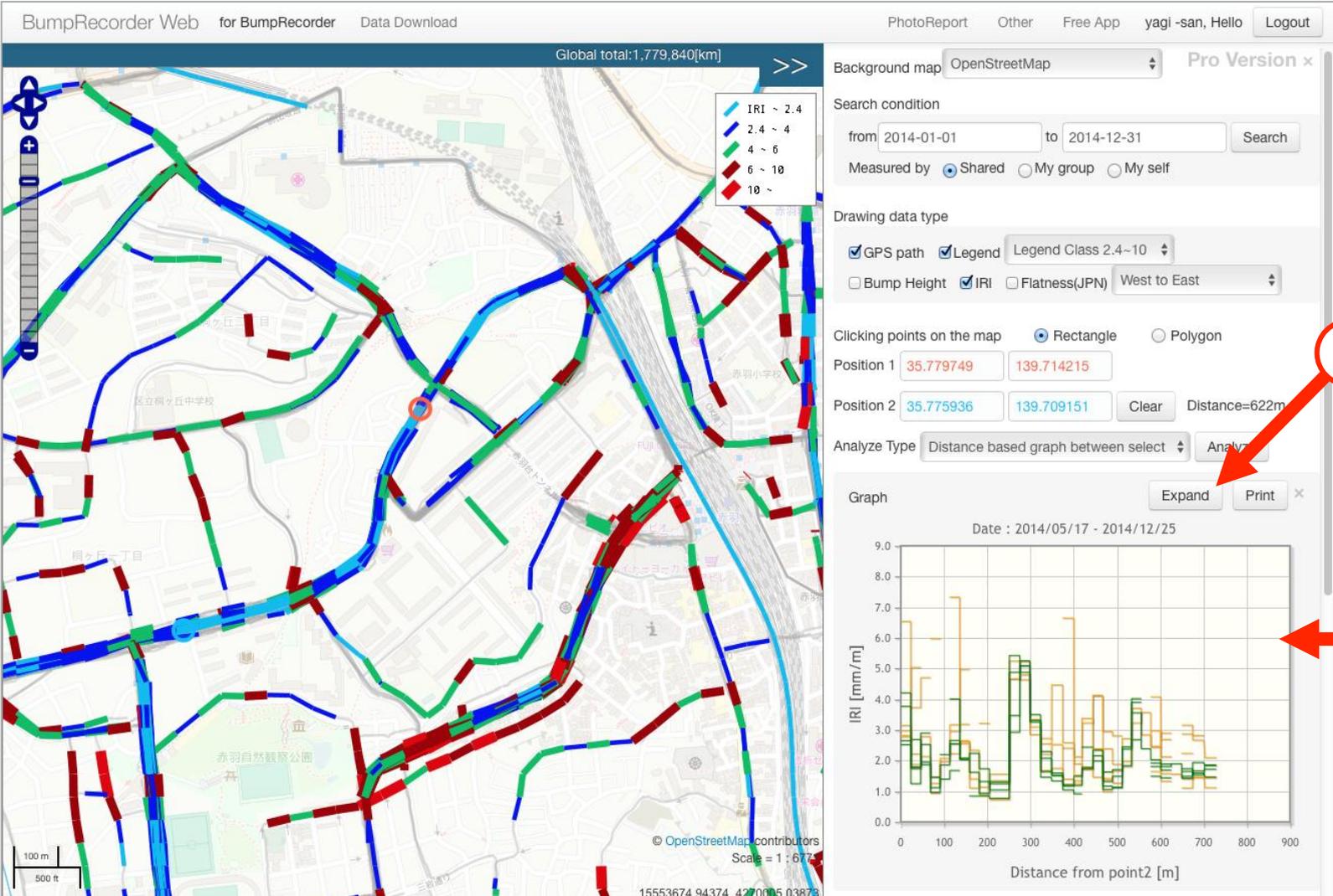
Date Time	Distance	Comment	Lat from	Lon from	Country
2014/12/30 08:40:07	2.4	バス右前	35.77521	139.70...	東京都北区
2014/12/26 08:45:24	1.7	バス右後ろ	35.7751...	139.70...	東京都北区
2014/12/25 05:42:01	183.7				
2014/12/24 20:04:54	2.3	バス左後ろ	35.774...	139.70...	東京都北区
2014/12/24 09:15:13	2	バス右前席	35.774...	139.70...	東京都北区
2014/12/24 06:06:43	179.3		35.774...	139.70...	東京都北区
2014/12/22 09:27:23	90.2		35.836...	139.70...	東京都北区
2014/12/14 19:18:35	2.2		35.782...	139.71...	東京都北区
2014/12/14 18:39:33	5.7		35.776...	139.70...	東京都北区
2014/12/13 22:05:12	1.4		35.779...	139.71...	東京都北区
2014/12/13 18:29:47	6.8		35.782...	139.71...	東京都北区
2014/12/13 18:11:35	1.9		35.782...	139.71...	東京都北区
2014/12/10 09:30:05	2.1	バス右前	35.775...	139.70...	東京都北区
2014/12/09 09:02:41	1.7	バス左後ろ1つ前	35.775...	139.70...	東京都北区
2014/12/08 08:41:28	2.1	バス左後ろ	35.775...	139.70...	東京都北区

Legend: IRI ~ 2.4 (blue), 2.4 ~ 4 (light blue), 4 ~ 6 (green), 6 ~ 10 (red), 10 ~ (dark red)

Scale = 1 : 6771

# Distance based graph

- (6) After few moments, graph will be drawn,
- (7) Press "Expand" button, large graph will appear.



The screenshot shows the BumpRecorder Web interface. On the left, a map displays a network of roads color-coded by IRI (International Roughness Index) values. A legend indicates the color ranges: IRI ~ 2.4 (light blue), 2.4 ~ 4 (blue), 4 ~ 6 (green), 6 ~ 10 (red), and 10 ~ (dark red). The map also shows a scale bar (100m/500ft) and a scale of 1:6774.

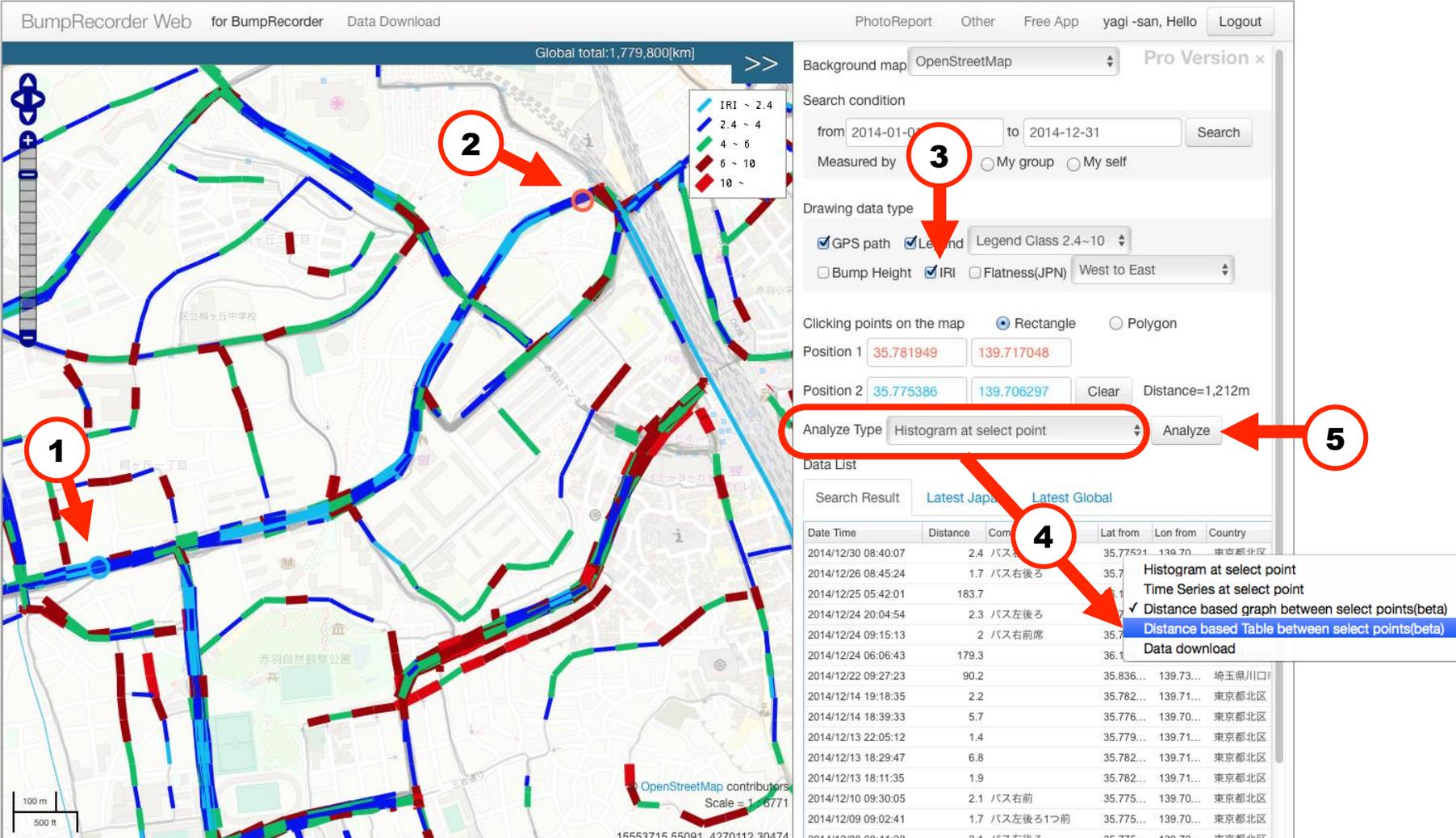
On the right, the control panel includes:
 

- Background map: OpenStreetMap
- Search condition: from 2014-01-01 to 2014-12-31
- Measured by: Shared (selected)
- Drawing data type: GPS path (checked), Legend (checked), Bump Height (unchecked), IRI (checked), Flatness(JPN) (unchecked)
- Clicking points on the map: Rectangle (selected)
- Position 1: 35.779749, 139.714215
- Position 2: 35.775936, 139.709151 (Distance=622m)
- Analyze Type: Distance based graph between select
- Buttons: Expand, Print

At the bottom right, a graph titled "Date : 2014/05/17 - 2014/12/25" plots IRI [mm/m] on the y-axis (0.0 to 9.0) against Distance from point2 [m] on the x-axis (0 to 900). The graph shows multiple data series with varying IRI values across the distance. Red arrows with circled numbers 6 and 7 point to the graph and the 'Expand' button, respectively.

# Distance based table

- (1) Select start point, (2) Select end point, (3) Check "IRI",  
 (4) Select "Distance based table", (4) Press "Analyze" button



BumpRecorder Web for BumpRecorder Data Download

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Date Time	Distance	Com	Lat from	Lon from	Country
2014/12/30 08:40:07	2.4	バス	35.77521	139.70	東京都北区
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2014/12/24 06:06:43	179.3		36.1		
2014/12/22 09:27:23	90.2		35.836...	139.73...	埼玉県川口市
2014/12/14 19:18:35	2.2		35.782...	139.71...	東京都北区
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2014/12/08 08:41:28	2.1	バス左後	35.775...	139.70...	東京都北区

Search Result: Latest Japan Latest Global

Histogram at select point  
 Time Series at select point  
 Distance based graph between select points(beta)  
 Distance based Table between select points(beta)  
 Data download

