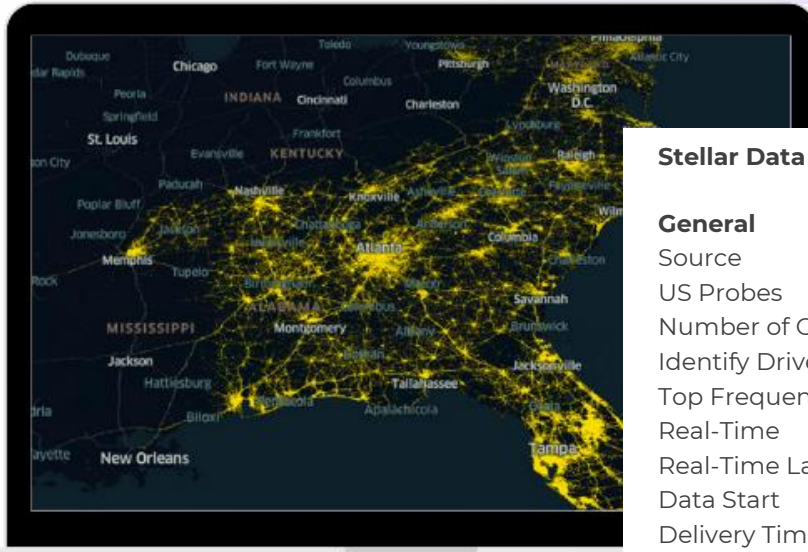


Stellar Waypoints



The Stellar team offers a variety of waypoints for many use cases. Stellar Waypoints offers much more than just the data:

1. Hosting Included

We will host the data for you and give you the tools to download any selection of the data at any time so your IT staff does not need to set up cloud servers to process and host billions of waypoints.

2. Analytics Included

Access to Moonshadow's Mobility Analytics Platform is included to generate O/D matrices, speed maps, select link, analyze congestion or incidents and generate maps or tables. Moonshadow's APIs enable DOTs and consultants to embed maps and charts into their custom dashboards.

With Stellar Waypoints your staff can start using, distributing and analyzing the data immediately.

Stellar Data at a Glance

General

	Michelin	Otonomo
Source	LBS App	OEM/Fleet
US Probes	30 Million	4 Million
Number of OEMs	All	4
Identify Driver	No	No
Top Frequency	15 seconds	3 seconds
Real-Time	No	Yes
Real-Time Latency	N/A	1 minute
Data Start	2018	2021
Delivery Time	4 weeks	2 weeks
Keep data forever	✓	✓
Hosting Included	✓	✓
Distribution Included	✓	✓
Analytics Included	✓	✓
View Data on Maps	✓	✓

Fields

Location (Lat/Long)	✓	✓
State/County/City/ZIP/TAZ	✓	✓
Census Block/Group/Tract	✓	✓
Trip Origin/Destination	✓	✓
OSM RoadID	✓	✓
OSM Road Type	✓	✓
Streetname *	✓	✓
Time	✓	✓
Time Zone	✓	✓
Year/Month/Day	✓	✓
DayOfWeek/Time	✓	✓
Day/Night *	✓	
Speed	✓	✓
Acceleration	✓	✓
Distance Traveled	✓	✓
Traveltime	✓	✓
Heading	✓	✓
Precipitation *	✓	
EV or ICE *		✓
Battery Level		✓

* Not all fields are populated for each record

Stellar Waypoints

Use Cases		Michelin	Otonomo
Arterial Performance	Travel Times, Turning Movement Counts, Control Delay	✓	✓
Construction	Before/During/After Comparison	✓	✓
Corridor Performance	Travel Times, Speeds, Turns, Segment Control Delay	✓	✓
Electric Vehicles	Battery use, charging, EV O/D		✓
GHG Analysis	Vehicle Miles Traveled, In/Out/Through	✓	✓
Incident Analysis	Incident Dynamics, Diversions, Volumes, Travel Times	✓	✓
Local	Parking, Curb Use, Double Parking, Drop-off/Pickup	✓	✓
Planning	O/D Matrices, On/Off-ramp O/D, Link Analysis	✓	✓
Safety Analytics	Speeds, Hard Braking, Queues, Traffic Calming Analysis	✓	✓
Signal Timing	Split Failure, Skipped Phase, Arrivals on Red		✓
Social Equity	Food/Services/Hospital Deserts, Noise, Air Quality	✓	✓
TSMO	Real-time congestion, incidents, evacuation		✓
Volume Estimates	Probe Volumes, Traffic Distribution, Peak Hour Analysis	✓	✓
Weather	Weather impact on traffic	✓	

Michelin Mobility Company has a unique expertise on how drivers behave with over 1 billion US miles captured and analyzed every day. We analyze data from over 30 million connected drivers in the US.

- 5 years of research and development with data available from 2018
- About 1 billion miles of trips captured every day
- Highly representative & inclusive sampling of population thanks to mobile phone connections compared to connected vehicles
- Privacy by design enables compliancy with GDPR, CCPA and other privacy regulations

Otonomo Technologies fuels a data ecosystem of OEMs, fleets and more than 100 service providers. Otonomo ingests over 4.3 billion data points daily from over 50 million global connected vehicles, then reshapes and enriches it to accelerate time to market for new services that improve the in and around car experience.

- 16 billion curated miles annually
- 1.2 billion daily data points
- Diverse data profile from 6 OEM and TSP agreements
- Built-in data security and privacy.
- Additional data sets - road hazards, road signs, traffic data

More Information:

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