

# National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



HWY23FH005

## **GPS TRACKING SYSTEM DATA**

Specialist's Factual Report

## **A. ACCIDENT**

Location: Louisville, New York  
Date: January 28, 2023  
Time: 6:00 eastern standard time (EST)  
Vehicle: 2021 Freightliner Box Truck

## **B. GPS TRACKING SYSTEM DATA SPECIALIST**

Specialist: W. Deven Chen  
Electrical Engineer - Recorder Specialist  
National Transportation Safety Board (NTSB)

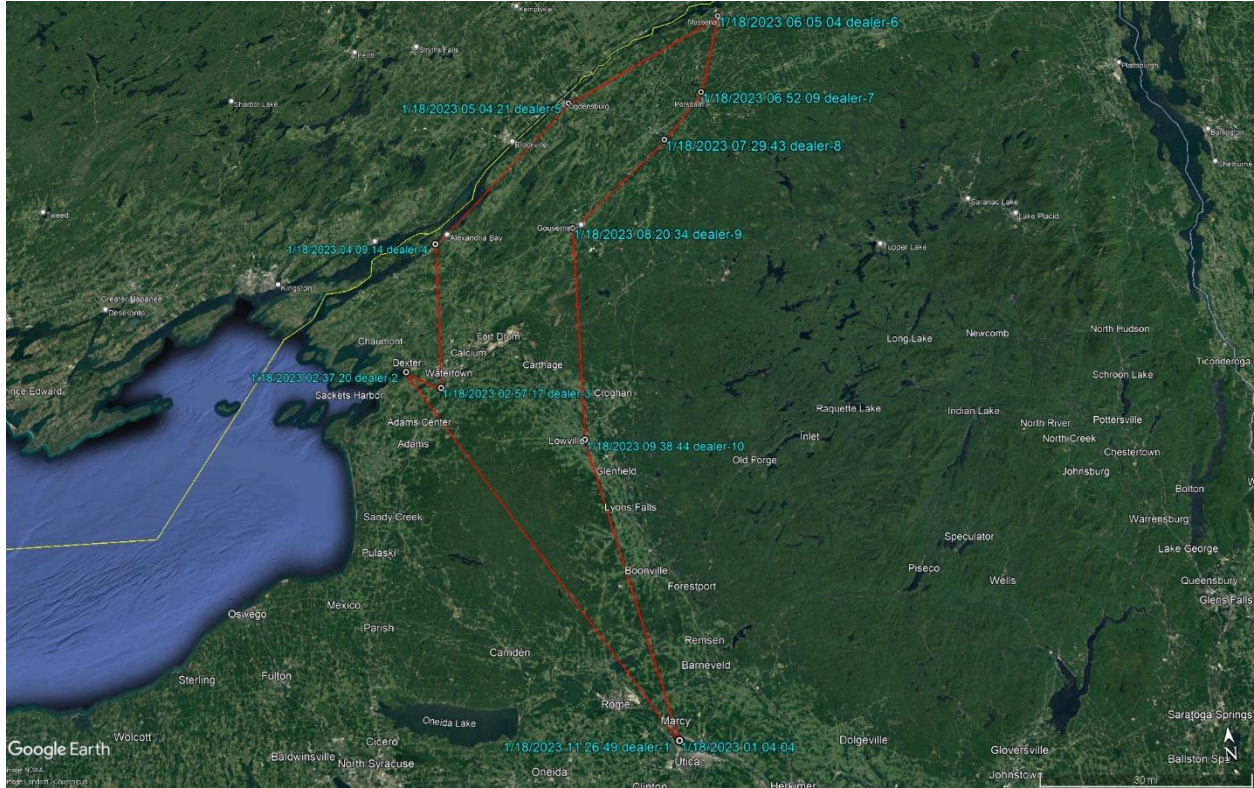
## **C. DETAILS OF THE INVESTIGATION**

A recorder group was not convened. The NTSB Vehicle Recorder Division received the following global positioning system (GPS) tracking system data electronically:

Owner: 2021 Freightliner Box Truck Driver  
Data: iTrack application data

The iTrack application was installed on the work phone of the 2021 freightliner box truck driver, hereinafter referred to as the truck driver. The truck driver's employer, Aero Global Logistics, uses the iTrack application to track its freight deliveries. The iTrack application data were obtained by the New York State Police and later provided to the NTSB.

The data showed that the truck driver started his first delivery shift on January 14, 2023, and the accident occurred on his tenth shift on January 28, 2023. The scheduled hours of each delivery shift for the truck driver were from 01:00 a.m. to 11:30 a.m. On each shift, the truck driver started from one location, dealer-1 (Marcy Domicile), then headed to nine other locations (other dealers) and ended his shift after returning to dealer-1. Figure 1 is a Google Earth overlay generated with iTrack GPS location data showing the delivery route of the truck driver on each of his delivery shifts and the associated time and date. Table 1 shows part of the iTrack application data indicating the actual arrival and departure times of the truck driver during the delivery shifts. A "NULL" on the table indicates the data entry was not available.



**Figure 1.** Google Earth overlay of the delivery route of the truck driver.

**Table 1.** Actual arrival and departure times of the truck driver during the delivery shifts.

shift #	actarrival	actdeparture	Location (dealersname)	dealer-#
1	2023-01-14 00:14:05	2023-01-14 01:55:05	Marcy Domicile	dealer-1
	2023-01-14 01:49:53	2023-01-14 01:54:53	Wally's Chrysler	dealer-2
	2023-01-14 02:11:55	2023-01-14 02:17:55	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-14 03:05:57	2023-01-14 03:15:57	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-14 04:10:12	2023-01-14 04:12:12	BLEVINS BROS INC.	dealer-5
	2023-01-14 05:03:00	2023-01-14 05:09:00	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-14 05:50:08	2023-01-14 05:54:08	BLEVINS MOTORS	dealer-7
	2023-01-14 06:20:13	2023-01-14 06:21:13	FX Caprara Chrysler Dodge Jeep Ram	dealer-8
	2023-01-14 07:09:25	2023-01-14 07:22:25	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	2023-01-14 10:05:00	2023-01-14 10:20:00	Empire Chrysler Dodge Jeep Ram	dealer-10
2023-01-14 09:43:14	2023-01-14 09:44:14	Marcy Domicile	dealer-1	
2	2023-01-18 01:04:04	2023-01-18 01:05:04	Marcy Domicile	dealer-1
	2023-01-18 02:37:20	2023-01-18 02:39:20	Wally's Chrysler	dealer-2
	2023-01-18 02:57:17	2023-01-18 03:10:17	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-18 04:09:14	2023-01-18 04:13:14	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-18 05:04:21	2023-01-18 05:11:21	BLEVINS BROS INC.	dealer-5
	2023-01-18 06:05:04	2023-01-18 06:13:04	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-18 06:52:09	2023-01-18 06:57:09	BLEVINS MOTORS	dealer-7
	2023-01-18 07:29:43	2023-01-18 07:35:43	FX Caprara Chrysler Dodge Jeep Ram	dealer-8

shift #	actarrival	actdeparture	Location (dealersname)	dealer-#
	2023-01-18 08:20:34	2023-01-18 08:33:34	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	2023-01-18 09:38:44	2023-01-18 09:51:44	Empire Chrysler Dodge Jeep Ram	dealer-10
	2023-01-18 11:26:49	2023-01-18 11:44:49	Marcy Domicile	dealer-1
3	2023-01-19 01:15:27	2023-01-19 01:15:30	Marcy Domicile	dealer-1
	2023-01-19 02:49:37	2023-01-19 02:55:56	Wally's Chrysler	dealer-2
	2023-01-19 03:13:41	2023-01-19 03:28:42	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-19 04:17:12	2023-01-19 04:22:55	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-19 05:13:57	2023-01-19 05:18:49	BLEVINS BROS INC.	dealer-5
	2023-01-19 06:10:30	2023-01-19 06:20:31	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-19 07:11:47	2023-01-19 07:15:05	BLEVINS MOTORS	dealer-7
	2023-01-19 07:44:37	2023-01-19 07:45:35	FX Caprara Chrysler Dodge Jeep Ram	dealer-8
	2023-01-19 08:31:32	2023-01-19 08:41:40	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	2023-01-19 09:53:47	2023-01-19 09:57:41	Empire Chrysler Dodge Jeep Ram	dealer-10
	2023-01-19 11:36:38	NULL	Marcy Domicile	dealer-1
4	2023-01-20 00:44:29	2023-01-20 00:44:32	Marcy Domicile	dealer-1
	2023-01-20 02:20:10	2023-01-20 02:24:30	Wally's Chrysler	dealer-2
	2023-01-20 02:44:12	2023-01-20 03:01:59	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-20 03:38:34	2023-01-20 03:53:27	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-20 04:38:59	2023-01-20 05:06:11	BLEVINS BROS INC.	dealer-5
	2023-01-20 05:50:18	2023-01-20 06:08:25	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-20 06:38:57	2023-01-20 06:47:24	BLEVINS MOTORS	dealer-7
	NULL	NULL	FX Caprara Chrysler Dodge Jeep Ram	dealer-8
	2023-01-20 08:33:12	2023-01-20 08:48:53	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	NULL	NULL	Empire Chrysler Dodge Jeep Ram	dealer-10
	2023-01-20 11:00:53	NULL	Marcy Domicile	dealer-1
5	2023-01-21 00:55:32	2023-01-21 00:55:34	Marcy Domicile	dealer-1
	2023-01-21 02:37:56	2023-01-21 02:38:53	Wally's Chrysler	dealer-2
	2023-01-21 02:57:53	2023-01-21 03:16:15	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-21 03:50:46	2023-01-21 04:01:53	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-21 04:44:11	2023-01-21 05:03:43	BLEVINS BROS INC.	dealer-5
	2023-01-21 05:44:25	2023-01-21 05:49:33	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-21 06:29:52	2023-01-21 06:53:38	BLEVINS MOTORS	dealer-7
	2023-01-21 07:13:20	2023-01-21 07:23:07	FX Caprara Chrysler Dodge Jeep Ram	dealer-8
	2023-01-21 08:00:35	2023-01-21 08:36:22	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	2023-01-21 09:39:20	2023-01-21 09:47:05	Empire Chrysler Dodge Jeep Ram	dealer-10
	2023-01-21 11:04:36	NULL	Marcy Domicile	dealer-1
6	2023-01-24 00:49:23	2023-01-24 00:49:26	Marcy Domicile	dealer-1
	2023-01-24 02:23:22	2023-01-24 02:25:51	Wally's Chrysler	dealer-2
	2023-01-24 02:47:39	2023-01-24 03:01:37	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-24 03:52:42	2023-01-24 03:55:52	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-24 04:46:07	2023-01-24 04:47:59	BLEVINS BROS INC.	dealer-5

shift #	actarrival	actdeparture	Location (dealersname)	dealer-#
	2023-01-24 05:36:20	2023-01-24 05:38:03	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-24 06:45:53	2023-01-24 06:55:22	BLEVINS MOTORS	dealer-7
	2023-01-24 07:28:16	2023-01-24 07:40:18	FX Caprara Chrysler Dodge Jeep Ram	dealer-8
	2023-01-24 08:43:00	2023-01-24 08:47:23	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	2023-01-24 09:58:51	2023-01-24 09:59:03	Empire Chrysler Dodge Jeep Ram	dealer-10
	2023-01-24 11:26:02	NULL	Marcy Domicile	dealer-1
7	2023-01-25 00:56:52	2023-01-25 00:56:54	Marcy Domicile	dealer-1
	2023-01-25 02:27:44	2023-01-25 02:32:01	Wally's Chrysler	dealer-2
	2023-01-25 02:50:27	2023-01-25 02:54:49	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-25 03:50:47	2023-01-25 03:58:51	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-25 04:50:08	2023-01-25 04:53:38	BLEVINS BROS INC.	dealer-5
	2023-01-25 06:04:14	2023-01-25 06:09:37	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-25 06:59:55	2023-01-25 07:09:34	BLEVINS MOTORS	dealer-7
	2023-01-25 07:32:13	2023-01-25 07:54:01	FX Caprara Chrysler Dodge Jeep Ram	dealer-8
	2023-01-25 08:32:09	2023-01-25 08:55:53	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	2023-01-25 10:03:24	2023-01-25 10:18:43	Empire Chrysler Dodge Jeep Ram	dealer-10
	2023-01-25 11:37:56	NULL	Marcy Domicile	dealer-1
8	2023-01-26 01:27:46	2023-01-26 01:27:48	Marcy Domicile	dealer-1
	2023-01-26 02:59:14	2023-01-26 03:04:48	Wally's Chrysler	dealer-2
	2023-01-26 03:20:08	2023-01-26 03:40:20	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-26 04:16:50	2023-01-26 04:35:02	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-26 05:19:05	2023-01-26 05:46:19	BLEVINS BROS INC.	dealer-5
	2023-01-26 06:33:24	2023-01-26 06:51:52	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-26 07:17:46	2023-01-26 07:34:34	BLEVINS MOTORS	dealer-7
	2023-01-26 08:10:45	2023-01-26 08:22:41	FX Caprara Chrysler Dodge Jeep Ram	dealer-8
	2023-01-26 09:07:26	2023-01-26 09:28:34	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	2023-01-26 10:28:33	2023-01-26 10:42:20	Empire Chrysler Dodge Jeep Ram	dealer-10
	2023-01-26 11:59:54	2023-01-26 12:00:17	Marcy Domicile	dealer-1
9	2023-01-27 01:12:40	2023-01-27 01:12:43	Marcy Domicile	dealer-1
	2023-01-27 02:46:16	2023-01-27 02:51:57	Wally's Chrysler	dealer-2
	2023-01-27 03:20:21	2023-01-27 03:26:14	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-27 04:08:35	2023-01-27 04:18:39	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-27 05:07:34	2023-01-27 05:31:34	BLEVINS BROS INC.	dealer-5
	2023-01-27 06:12:23	2023-01-27 06:29:32	BLEVINS SEAWAY MOTORS	dealer-6
	2023-01-27 06:54:54	2023-01-27 07:06:43	BLEVINS MOTORS	dealer-7
	2023-01-27 07:31:56	2023-01-27 07:41:17	FX Caprara Chrysler Dodge Jeep Ram	dealer-8
	2023-01-27 08:30:16	2023-01-27 08:50:55	TEAM BLEVINS CHRYS-DODGE-JEEP	dealer-9
	2023-01-27 09:52:23	2023-01-27 10:05:46	Empire Chrysler Dodge Jeep Ram	dealer-10
2023-01-27 11:32:04	NULL	Marcy Domicile	dealer-1	
10	2023-01-28 01:04:06	2023-01-28 01:04:11	Marcy Domicile	dealer-1
	2023-01-28 02:43:02	2023-01-28 02:53:22	Wally's Chrysler	dealer-2

<b>shift #</b>	<b>actarrival</b>	<b>actdeparture</b>	<b>Location (dealersname)</b>	<b>dealer-#</b>
	2023-01-28 03:10:55	2023-01-28 03:26:06	Bob Johnson Chrysler Dodge Jeep Ram	dealer-3
	2023-01-28 04:08:13	2023-01-28 04:18:05	FX CAPRARA Chrysler Dodge Jeep Ram	dealer-4
	2023-01-28 05:13:15	2023-01-28 05:30:01	BLEVINS BROS INC.	dealer-5