

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



ERA24FA069

MOBILE PHONE RECORDS

Specialist's Factual Report

May 22, 2024

Table of Contents

A. ACCIDENT SUMMARY.....	2
B. MOBILE PHONE RECORDS SPECIALIST	2
C. DETAILS OF THE INVESTIGATION	2
1.0 MOBILE PHONE RECORDS DESCRIPTION.....	2
1.1 Mobile Phone Records.....	2
1.1.1 Phone Call Activity.....	2
1.1.2 Text Message Activity.....	3
1.1.3 Internet Connection Activity.....	3

A. ACCIDENT SUMMARY

Location: Hammonton, New Jersey
Date: December 19, 2023
Time: 2004 eastern standard time (EST)
0104 coordinated universal time (UTC) on December 20, 2023

B. MOBILE PHONE RECORDS SPECIALIST

Specialist: Gerald Kawamoto
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 mobile phone records:

User:	Pilot
Service Provider:	T-Mobile

The mobile phone records were received electronically. The records contained mobile phone activity history between 0000 and 0600 UTC, on December 20, 2023. The event flight started at 0023 UTC on December 20, 2023 (1923 EST on December 19, 2023), and the accident event occurred at 0104 UTC on December 20, 2023 (2004 EST on December 19, 2023). All times of the mobile phone records were converted to EST for rest of the report. UTC is ahead of EST by 5 hours.

1.0 Mobile Phone Records Description

Mobile phone records are produced by a telecommunications service provider documenting the details of telephone calls, text messages, picture/video messages, data usage, and other transactions. The exact information provided varies depending on the provider.

1.1 Mobile Phone Records

1.1.1 Phone Call Activity

There were no phone call activities in the period of 1923 to 2004 EST on December 19, 2023.

1.1.2 Text Message Activity

There were no text message activities in the period of 1923 to 2004 EST on December 19, 2023.

1.1.3 Internet Connection Activity

Table 1 summarizes the internet connection activity during the accident flight. Below are the definitions/explanations from T-Mobile on the terms used in table 1.

Start_Time: Time when the session was connected.

End_Time: Time when the session was terminated.

Downlink_Size: Size of the download in bytes per session.

Uplink_Size: Size of the upload in bytes per session.

Note: For data usage/transferred under Internet Connection Activity, it is not possible to distinguish between user-initiated data activity and automatic background data activity by the device's operating system or installed applications.

Table 1. Summary of the internet connection activity.

Start_Time (EST)	End_Time (EST)	Downlink_Size	Uplink_Size
18:00:56	19:58:35	56284	40620
19:17:30	19:55:02	11067	5218
19:17:30	19:55:02	10953	7187
19:17:30	19:55:02	129994	43588
19:17:30	19:55:02	59139	20702
19:17:30	19:55:02	672	504
19:17:30	19:55:02	23235	8351
19:17:30	19:55:02	15068	5261
19:17:33	19:58:35	1040	616
19:17:33	19:58:35	2204	1980
19:17:33	19:58:35	120	72
19:17:33	19:58:35	514	595
19:58:37	20:01:04	1984	1027
19:58:37	20:01:04	1954	2245
19:58:37	20:01:04	21266	7054
19:58:37	20:01:04	360	0
19:58:37	20:01:04	0	968
19:58:39	20:01:04	13874	12760
20:02:53	20:05:36	1031	538
20:02:53	20:05:36	10977	5450
20:02:53	20:05:36	1954	2170
20:02:53	20:05:36	1297	1960
20:02:53	20:05:36	0	56
20:02:54	21:03:16	16055	13671

Submitted by:

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