# Locations Llama

# **Tool Report**

For the tool report input, the time taken to generate the text was too long, and as explained in the paper, we considered it infeasible in practice.

# Lab Log

For the lab log input, the time taken to generate the text was too long, and as explained in the paper, we considered it infeasible in practice.

## CSV-Formatted Copy of Lab Log

09.02.2019 15:38; Pentagon City, Arlington

#### Prompt 1

User request:

Hello there, I need you to summarize the locations in the following table. This is taken from a smartphone. This is a csv format, you have the timestamp, and the related location. Time:Related Location 14.02.2019 14:33; Healy Hall, 37th St NW, Washington, District of Columbia 14.02.2019 14:33; Healy Hall, 37th St NW, Washington, District of Columbia 14.02.2019 14:29; Northwest Washington, Washington, District of Columbia 14.02.2019 14:28; Northwest Washington, Washington, District of Columbia 14.02.2019 12:52; Washington 14.02.2019 12:52; Washington 14.02.2019 12:48;16 E Basin Dr SW, Washington (memorial Thomas Jefferson) 14.02.2019 12:48; Southwest, Washington, District of Columbia (memorial Thomas Jefferson) 14.02.2019 12:48;683-725 17th St NW, Washington (President Park) 12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly 12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly 12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly 12.02.2019 13:51;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, 12.02.2019 13:51;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly 09.02.2019 15:39;1201 S Eads St, Arlington

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09.02.2019 15:35; South Arlington, Arlington (pentagon)
09.02.2019 15:35; Pentagon City, Arlington
09.02.2019 15:33; South Arlington, Arlington (pentagon)
09.02.2019 15:33; Arlington
09.02.2019 15:33; Arlington
09.02.2019 15:30; Arlington (pentagon)
09.02.2019 15:30; Pentagon City, Arlington
09.02.2019 15:30; Arlington (pentagon)
09.02.2019 15:25;550 Army Navy Dr, Arlington
08.02.2019 21:20;601 F St NW, Washington (capital one arena)
08.02.2019 20:35;601 F St NW, Washington (capital one arena)
08.02.2019 18:45;601 F St NW, Washington (capital one arena)
08.02.2019 15:09; Washington District of Columbia (capitol)
08.02.2019 15:09; Washington District of Columbia (capitol)
08.02.2019 14:41;1000 Jefferson Dr SW, Washington (Smithsonian castle)
08.02.2019 14:35;1200-1398 Wing 3, Independence Ave SW, Washington
08.02.2019 14:32;1400 Jefferson Dr SW, Washington
08.02.2019 14:29;1400 Jefferson Dr SW, Washington
07.02.2019 12:30; Runnymede, Floride
05.02.2019 17:00;405 Nasa Pkwy W, Merritt Island (KSC)
05.02.2019 16:26;355 Nasa Pkwy W, Titusville (KSC)
05.02.2019 08:30:22(UTC-5); Kennedy Space Center M6-306, FL-405 Room 1400, Orlando (KSC)
05.02.2019 12:18; Florida (KSC)
05.02.2019 12:18; Cape Canaveral (KSC)
05.02.2019 11:56; Titusville (KSC)
05.02.2019 11:55; Comté of Brevard, Florida (KSC)
05.02.2019 11:55; Comté of Brevard, Florida (KSC)
05.02.2019 11:54; Comté of Brevard, Florida (KSC)
05.02.2019 11:44; Comté of Brevard, Florida (KSC)
05.02.2019 11:44; Kennedy Space Center, Florida (KSC)
05.02.2019 11:38; Comté of Brevard, Florida (KSC)
05.02.2019 11:37; Florida (KSC)
05.02.2019 10:08;405 Nasa Pkwy W, Merritt Island (KSC)
05.02.2019 09:11; Comté of Brevard, Florida (KSC)
05.02.2019 09:07; Comté of Brevard, Florida (KSC)
05.02.2019 09:07; Florida (KSC)
05.02.2019 09:07; Florida (KSC)
05.02.2019 08:14;11052 E Colonial Dr, Orlando
04.02.2019 19:38;133 S Orange Ave, Orlando
04.02.2019 14:20; Arlington (ronald reagan airport)
03.02.2019 22:06;1720 I St NW, Washington
03.02.2019 20:54;1720 I St NW, Washington
03.02.2019 20:54;1720 I St NW, Washington
03.02.2019 18:00; Northwest Washington, Washington (president park)
03.02.2019 17:59; Northwest Washington, Washington (president park)
03.02.2019 17:59; Northwest Washington, Washington (president park)
```

Can you provide a summary of the locations for this device?

#### LLM answer:

The following table shows all locations that the user was at during the period from 03/02/2019 to 05/02/2019:

- -Healy Hall, 37th St NW, Washington, District of Columbia
- -Healy Hall, 37th St NW, Washington, District of Columbia
- -Northwest Washington, Washington, District of Columbia
- -14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly
- -14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly
- -4390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly
- -4390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly
- -49 S Arlington (pentagon)
- -Pentagon City, Arlington
- -Arlington (pentagon)
- -South Arlington (pentagon)
- -Arlington (pentagon)
- -Arlington (capitol)
- -10 Jeffeson Dr SW, Washington
- -20 Jefferson Dr SW, Washington
- -10 Jefferson Dr SW, Washington
- -Runnymede, Floride
- -Titusville (KSC)
- -Cape Canaveral (KSC)
- -Comté of Brevard, Florida (KSC)
- -Comté of Brevard, Florida (KSC)
- -Comté of Brevard, Florida (KSC)
- -Florida (KSC)
- -Florida (KSC)
- -Florida (KSC)
- -105 Colonial Dr, Orlando
- -720 I St NW, Washington
- -10 Orange Ave, Orlando
- -Northwest Washington, Washington (president park)
- -Northwest Washington, Washington (president park)

#### Prompt 2

#### User request:

Hello there, I need you to summarize the locations in the following table. This is taken from a smartphone.

This is a csv format, you have the timestamp, and the related location.

Time; Related Location

14.02.2019 14:33; Healy Hall, 37th St NW, Washington, District of Columbia

14.02.2019 14:33; Healy Hall, 37th St NW, Washington, District of Columbia

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14.02.2019 14:29; Northwest Washington, Washington, District of Columbia
14.02.2019 14:28; Northwest Washington, Washington, District of Columbia
14.02.2019 12:52; Washington
14.02.2019 12:52; Washington
14.02.2019 12:48;16 E Basin Dr SW, Washington (memorial Thomas Jefferson)
14.02.2019 12:48; Southwest, Washington, District of Columbia (memorial Thomas Jefferson)
14.02.2019 12:48;683-725 17th St NW, Washington (President Park)
12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
12.02.2019 13:51;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
12.02.2019 13:51;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
09.02.2019 15:39;1201 S Eads St, Arlington
09.02.2019 15:38; Pentagon City, Arlington
09.02.2019 15:35; South Arlington, Arlington (pentagon)
09.02.2019 15:35; Pentagon City, Arlington
09.02.2019 15:33; South Arlington, Arlington (pentagon)
09.02.2019 15:33; Arlington
09.02.2019 15:33; Arlington
09.02.2019 15:30; Arlington (pentagon)
09.02.2019 15:30; Pentagon City, Arlington
09.02.2019 15:30; Arlington (pentagon)
09.02.2019 15:25;550 Army Navy Dr, Arlington
08.02.2019 21:20;601 F St NW, Washington (capital one arena)
08.02.2019 20:35;601 F St NW, Washington (capital one arena)
08.02.2019 18:45;601 F St NW, Washington (capital one arena)
08.02.2019 15:09; Washington District of Columbia (capitol)
08.02.2019 15:09; Washington District of Columbia (capitol)
08.02.2019 14:41;1000 Jefferson Dr SW, Washington (Smithsonian castle)
08.02.2019 14:35;1200-1398 Wing 3, Independence Ave SW, Washington
08.02.2019 14:32;1400 Jefferson Dr SW, Washington
08.02.2019 14:29;1400 Jefferson Dr SW, Washington
07.02.2019 12:30; Runnymede, Floride
05.02.2019 17:00;405 Nasa Pkwy W, Merritt Island (KSC)
05.02.2019 16:26;355 Nasa Pkwy W, Titusville (KSC)
05.02.2019 08:30:22(UTC-5); Kennedy Space Center M6-306, FL-405 Room 1400, Orlando (KSC)
05.02.2019 12:18; Florida (KSC)
05.02.2019 12:18; Cape Canaveral (KSC)
05.02.2019 11:56;Titusville (KSC)
05.02.2019 11:55; Comté of Brevard, Florida (KSC)
05.02.2019 11:55; Comté of Brevard, Florida (KSC)
05.02.2019 11:54; Comté of Brevard, Florida (KSC)
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05.02.2019 11:44; Comté of Brevard, Florida (KSC)
05.02.2019 11:44; Kennedy Space Center, Florida (KSC)
05.02.2019 11:38; Comté of Brevard, Florida (KSC)
05.02.2019 11:37; Florida (KSC)
05.02.2019 10:08;405 Nasa Pkwy W, Merritt Island (KSC)
05.02.2019 09:11; Comté of Brevard, Florida (KSC)
05.02.2019 09:07; Comté of Brevard, Florida (KSC)
05.02.2019 09:07; Florida (KSC)
05.02.2019 09:07; Florida (KSC)
05.02.2019 08:14;11052 E Colonial Dr, Orlando
04.02.2019 19:38;133 S Orange Ave, Orlando
04.02.2019 14:20; Arlington (ronald reagan airport)
03.02.2019 22:06;1720 I St NW, Washington
03.02.2019 20:54;1720 I St NW, Washington
03.02.2019 20:54;1720 I St NW, Washington
03.02.2019 18:00; Northwest Washington, Washington (president park)
03.02.2019 17:59; Northwest Washington, Washington (president park)
03.02.2019 17:59; Northwest Washington, Washington (president park)
```

Can you provide a summary of the locations for this device day by day?

#### LLM answer:

Here is a list of the locations where your phone was on that day: Healy Hall, 37th St NW, Washington, District of Columbia Healy Hall, 37th St NW, Washington, District of Columbia Northwest Washington, Washington, District of Columbia Northwest Washington, Washington, District of Columbia South Arlington, Arlington (pentagon) Pentagon City, Arlington Kennedy Space Center, Titusville (KSC) Comté of Brevard, Florida (KSC) Comté de Brevard, Florida (KSC) FLorida (KSC) **KSC** Loring Air Force Base (KSC) Floride Kennedy Space Center, Florida (KSC) Orlando Washington District of Columbia (capitol) Smithsonian castle, Washington Arlington (ronald reagan airport) Runnymede, Floride Washington District of Columbia (capitol) Kennedy Space Center, Florida (KSC) **KSC** Tusville (KSC)

Merritt Island (KSC)

KSC

Orange Ave, Orlando

Florida (KSC)

Nasa Pkwy W, Merritt Island (KSC)

Comté of Brevard, Florida (KSC)

Comté of Brevard, Florida (KSC)

## Prompt 3

User request:

Hello there, I need you to summarize the locations in the following table. This is taken from a smartphone.

This is a csv format, you have the timestamp, and the related location.

Time; Related Location

14.02.2019 14:33; Healy Hall, 37th St NW, Washington, District of Columbia

14.02.2019 14:33; Healy Hall, 37th St NW, Washington, District of Columbia

14.02.2019 14:29; Northwest Washington, Washington, District of Columbia

14.02.2019 14:28; Northwest Washington, Washington, District of Columbia

14.02.2019 12:52; Washington

;

14.02.2019 12:52; Washington

14.02.2019 12:48;16 E Basin Dr SW, Washington (memorial Thomas Jefferson)

14.02.2019 12:48; Southwest, Washington, District of Columbia (memorial Thomas Jefferson)

14.02.2019 12:48;683-725 17th St NW, Washington (President Park)

12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly

12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly

12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly

12.02.2019 13:51;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly

12.02.2019 13:51;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly

09.02.2019 15:39;1201 S Eads St, Arlington

09.02.2019 15:38; Pentagon City, Arlington

09.02.2019 15:35; South Arlington, Arlington (pentagon)

09.02.2019 15:35; Pentagon City, Arlington

09.02.2019 15:33; South Arlington, Arlington (pentagon)

09.02.2019 15:33; Arlington

09.02.2019 15:33; Arlington

09.02.2019 15:30; Arlington (pentagon)

09.02.2019 15:30; Pentagon City, Arlington

09.02.2019 15:30; Arlington (pentagon)

09.02.2019 15:25;550 Army Navy Dr, Arlington

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08.02.2019 21:20;601 F St NW, Washington (capital one arena)
08.02.2019 20:35;601 F St NW, Washington (capital one arena)
08.02.2019 18:45;601 F St NW, Washington (capital one arena)
08.02.2019 15:09; Washington District of Columbia (capitol)
08.02.2019 15:09; Washington District of Columbia (capitol)
08.02.2019 14:41;1000 Jefferson Dr SW, Washington (Smithsonian castle)
08.02.2019 14:35;1200-1398 Wing 3, Independence Ave SW, Washington
08.02.2019 14:32;1400 Jefferson Dr SW, Washington
08.02.2019 14:29;1400 Jefferson Dr SW, Washington
07.02.2019 12:30; Runnymede, Floride
05.02.2019 17:00;405 Nasa Pkwy W, Merritt Island (KSC)
05.02.2019 16:26;355 Nasa Pkwy W, Titusville (KSC)
05.02.2019 08:30:22(UTC-5); Kennedy Space Center M6-306, FL-405 Room 1400, Orlando (KSC)
05.02.2019 12:18; Florida (KSC)
05.02.2019 12:18; Cape Canaveral (KSC)
05.02.2019 11:56;Titusville (KSC)
05.02.2019 11:55; Comté of Brevard, Florida (KSC)
05.02.2019 11:55; Comté of Brevard, Florida (KSC)
05.02.2019 11:54; Comté of Brevard, Florida (KSC)
05.02.2019 11:44; Comté of Brevard, Florida (KSC)
05.02.2019 11:44; Kennedy Space Center, Florida (KSC)
05.02.2019 11:38; Comté of Brevard, Florida (KSC)
05.02.2019 11:37; Florida (KSC)
05.02.2019 10:08;405 Nasa Pkwy W, Merritt Island (KSC)
05.02.2019 09:11; Comté of Brevard, Florida (KSC)
05.02.2019 09:07; Comté of Brevard, Florida (KSC)
05.02.2019 09:07; Florida (KSC)
05.02.2019 09:07; Florida (KSC)
05.02.2019 08:14;11052 E Colonial Dr, Orlando
04.02.2019 19:38;133 S Orange Ave, Orlando
04.02.2019 14:20; Arlington (ronald reagan airport)
03.02.2019 22:06;1720 I St NW, Washington
03.02.2019 20:54;1720 I St NW, Washington
03.02.2019 20:54;1720 I St NW, Washington
03.02.2019 18:00; Northwest Washington, Washington (president park)
03.02.2019 17:59; Northwest Washington, Washington (president park)
03.02.2019 17:59; Northwest Washington, Washington (president park)
```

Can you analyze it and then provide a summary of the locations for this device day by day?

#### LLM answer:

Hi there! It looks like your phone has been to a lot of places in Washington DC and Florida. Here is a list of the locations it visited:

- Healy Hall, 37th St NW, Washington, District of Columbia
- Healy Hall, 37th St NW, Washington, District of Columbia
- Northwest Washington, Washington, District of Columbia
- 14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly

- 14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly
- 1490 Air and Space Museum Pkwy Cold War and Modern Military Aviation, Chantilly
- South Arlington, Arlington (pentagon)
- South Arlington, Arlington (pentagon)
- South Arlington, Arlington (pentagon)
- Arlington (pentagon)
- Arlington
- KSC
- KSC
- Titusville (KSC)
- Kennedy Space Center
- Comté of Brevard, Florida (KSC)
- Comté of Brevard, Florida (KSC)
- Comté of Brevard, Florida (KSC)
- Floride
- Florida (KSC)
- Orlando
- Arronald reagan airport
- ronald Reagan Airport
- arlington (ronald reagan airport)
- arlington (ronald reagan airport)
- ronald Reagan Airport
- Arlington (ronald Reagan airport)
- Ronald Reagan Airport
- Ronald Reagan Airport
- ronald Reagan Airport
- arlington (ronaldo reagan airport)
- Arlington (ronald Reagan airport)
- Ronald Reagan Airport
- Ronald Reagan Airport
- Northwest Washington, Washington (president park)
- Northwest Washington, Washington (president park)
- NWashington (president park)
- Northwest Washington, Washington (president park)
- Northwest Washington, Washington (president park)

## Prompt 4

## User request:

Hello there, I need you to summarize the locations in the following table. This is taken from a smartphone.

This is a csv format, you have the timestamp, and the related location.

Time; Related Location

14.02.2019 14:33; Healy Hall, 37th St NW, Washington, District of Columbia

14.02.2019 14:33; Healy Hall, 37th St NW, Washington, District of Columbia

14.02.2019 14:29; Northwest Washington, Washington, District of Columbia

14.02.2019 14:28; Northwest Washington, Washington, District of Columbia

14.02.2019 12:52; Washington

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14.02.2019 12:52; Washington
14.02.2019 12:48;16 E Basin Dr SW, Washington (memorial Thomas Jefferson)
14.02.2019 12:48; Southwest, Washington, District of Columbia (memorial Thomas Jefferson)
14.02.2019 12:48;683-725 17th St NW, Washington (President Park)
12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
12.02.2019 13:53;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
12.02.2019 13:51;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
12.02.2019 13:51;14390 Air and Space Museum Pkwy Cold War and Modern Military Aviation,
Chantilly
09.02.2019 15:39;1201 S Eads St, Arlington
09.02.2019 15:38; Pentagon City, Arlington
09.02.2019 15:35; South Arlington, Arlington (pentagon)
09.02.2019 15:35; Pentagon City, Arlington
09.02.2019 15:33; South Arlington, Arlington (pentagon)
09.02.2019 15:33; Arlington
09.02.2019 15:33; Arlington
09.02.2019 15:30; Arlington (pentagon)
09.02.2019 15:30; Pentagon City, Arlington
09.02.2019 15:30; Arlington (pentagon)
09.02.2019 15:25;550 Army Navy Dr, Arlington
08.02.2019 21:20;601 F St NW, Washington (capital one arena)
08.02.2019 20:35;601 F St NW, Washington (capital one arena)
08.02.2019 18:45;601 F St NW, Washington (capital one arena)
08.02.2019 15:09; Washington District of Columbia (capitol)
08.02.2019 15:09; Washington District of Columbia (capitol)
08.02.2019 14:41;1000 Jefferson Dr SW, Washington (Smithsonian castle)
08.02.2019 14:35;1200-1398 Wing 3, Independence Ave SW, Washington
08.02.2019 14:32;1400 Jefferson Dr SW, Washington
08.02.2019 14:29;1400 Jefferson Dr SW, Washington
07.02.2019 12:30;Runnymede, Floride
05.02.2019 17:00;405 Nasa Pkwy W, Merritt Island (KSC)
05.02.2019 16:26;355 Nasa Pkwy W, Titusville (KSC)
05.02.2019 08:30:22(UTC-5); Kennedy Space Center M6-306, FL-405 Room 1400, Orlando (KSC)
05.02.2019 12:18; Florida (KSC)
05.02.2019 12:18; Cape Canaveral (KSC)
05.02.2019 11:56;Titusville (KSC)
05.02.2019 11:55; Comté of Brevard, Florida (KSC)
05.02.2019 11:55; Comté of Brevard, Florida (KSC)
05.02.2019 11:54; Comté of Brevard, Florida (KSC)
05.02.2019 11:44; Comté of Brevard, Florida (KSC)
05.02.2019 11:44; Kennedy Space Center, Florida (KSC)
05.02.2019 11:38; Comté of Brevard, Florida (KSC)
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05.02.2019 11:37;Florida (KSC)
05.02.2019 10:08;405 Nasa Pkwy W, Merritt Island (KSC)
05.02.2019 09:11;Comté of Brevard, Florida (KSC)
05.02.2019 09:07;Comté of Brevard, Florida (KSC)
05.02.2019 09:07;Florida (KSC)
05.02.2019 09:07;Florida (KSC)
05.02.2019 09:07;Florida (KSC)
05.02.2019 08:14;11052 E Colonial Dr, Orlando
04.02.2019 19:38;133 S Orange Ave, Orlando
04.02.2019 14:20;Arlington (ronald reagan airport)
03.02.2019 22:06;1720 | St NW, Washington
03.02.2019 20:54;1720 | St NW, Washington
03.02.2019 20:54;1720 | St NW, Washington
03.02.2019 18:00;Northwest Washington, Washington (president park)
03.02.2019 17:59;Northwest Washington, Washington (president park)
03.02.2019 17:59;Northwest Washington, Washington (president park)
```

Can you analyze it and then provide a summary of the locations for this device day by day?

#### LLM answer:

The table shows the user's travel history over time in various locations in the DC area from Feb 1st to 5th. They spent most of their time in North West Arlington, Virginia, with a few visits to the Kennedy Space Center in Florida. On the 2nd they were at the Smithsonian castle, and on the 3rd they visited the Air and Space Museum Pkwy Cold War and Modern Military Aviation in Chantilly. On the 7th they visited the Arlington pentagon.