

15 December 2021

Each row in the download represents one “noise observation” by a mobile app user that includes time, location, decibel level measurements, and descriptive information about surroundings and mood of the observer.

The following fields are including in Noise Project CSV downloads:

**Start date/time in UTC**

The date and time that the noise observation began, stored in Universal Coordinated Time (also known as Greenwich Mean Time).  
Format is: yyyy-MM-dd HH:mm:ss (24-hour time)

**Timezone**

Name representing the timezone where the observation was taken. The timezone together with the Start date/time in UTC can be used to reconstruct the observer’s local time. A resource for timezone names and abbreviations can be found here:  
[https://en.wikipedia.org/wiki/List\\_of\\_tz\\_database\\_time\\_zones](https://en.wikipedia.org/wiki/List_of_tz_database_time_zones)

**Duration (s)**

The duration in seconds of the observation. Noise Project protocol defines a standard duration of 30 seconds as of December 2021.

**Observer ID**

Anonymous numeric ID representing a user installation of the Noise Project mobile app.

**Latitude**

North-south coordinate with 5 decimal places of precision representing where this measurement took place. Latitude is detected through the GPS interface of the mobile device.

**Longitude**

East-west coordinate with 5 decimal places of precision representing where this measurement took place. Longitude is detected through the GPS interface of the mobile device.

**Mean volume**

Arithmetical mean (average) of the volume in A-weighted decibels (dBA) across the points sampled for the duration of the measurement. The number of datapoints measured during one observation depends on the mobile device and microphone performance and may range from 3 (for iOS) to 10 (for Android) per second. dBA is reported through the mobile device microphone interface. Two decimals of precision are

provided. Decibel level accuracy depends on the particular microphone used in the device and on recording conditions.

### **Mood**

The user's self-reported mood, chosen from the below 5 emoji options and recorded as an integer from 1-5:

- 1: Very happy 😄
- 2: Happy 😊
- 3: Neutral 😐
- 4: Unhappy 😞
- 5: Very unhappy 😡

### **Could control noise exposure**

User's answer to the question "Can you control your exposure to the noise?"  
TRUE or FALSE.

### **Indoors**

TRUE if the user selects the "Inside" button at the start of an observation.

### **Emoji**

Set of emoji the user chooses to describe the setting of the noise observation.  
See Emoji Dictionary below.

### **Emoji descriptions**

Unicode names for the above emoji. These are provided for information purposes only and are not displayed in the mobile app. The names are based on the "CLDR Short Name" in the Unicode standard version 10 here (available in English only):

<https://www.unicode.org/Public/10.0.0/ucd/NamesList.txt>

Note that some emoji names have multiple parts that may encode gender, hair, skin color, etc. For example, 🧑💻 is assigned the name "MAN+PERSONAL COMPUTER".


















### **Nominated as noise refuge**

TRUE if the user selects "Do you want to suggest this as a 'noise refuge'?" at the conclusion of the observation.





## **Emoji Dictionary**

The below sets of emoji are presented to the user as options to describe a noise observation. The lists below show both the emoji and their Unicode names, although the names are not displayed in the app. Users may also enter additional emoji not included below. The below emoji are available on the latest Android and iOS operating systems as of December 2021. Note that emoji entered by users in the free text input may not be available on all devices and may not have names defined in Unicode version 10.






### Transportation category:

	railway car
	bus
	taxi
	automobile
	delivery truck
	racing car
	racing motorcycle
	manual wheelchair
	motorway
	railway track
	speedboat
	ferry
	airplane departure
	helicopter
	metro
	airplane
	vertical traffic light








### Worship category:

	church
	mosque
	hindu temple
	synagogue




### Construction category:






















	building construction
	hammer
	carpentry saw
	tractor
	hammer and wrench

### Emergency category:








	police cars revolving light
	ambulance
	police car
	police officer+male sign
	collision symbol
	fire engine
	pistol

### Entertainment category:















	party popper
	multiple musical notes
	television






	speaker with three sound waves
	microphone
	film projector
	video game
	drum with drumsticks
	stadium
	radio
	woman
	dancer
	fireworks
	firecracker
	pinata
	performing arts
	public address loudspeaker
	cheering megaphone
	bell
	radio
	trumpet
	violin
	musical keyboard
	slot machine

#### Industry category:










	factory
	gear
	desktop computer
	adult+factory
	office building
	hospital
	fountain

#### Sports category:






















	baseball
	american football
	rugby football
	tennis racquet and ball
	soccer ball
	cricket bat and ball
	ice hockey stick and puck
	table tennis paddle and ball
	boxing glove
	martial arts uniform
	ice skate
	snowboarder
	skateboard
	rowboat+male sign

	person in lotus position
	sleeping accommodation
	cooking
	bowling
	desktop computer

#### Social category:

	rolling on the floor laughing
	speaking head in silhouette
	woman
	man+personal computer
	adult+microphone
	loudly crying face
	serious face with symbols covering mouth
	face screaming in fear
	high-heeled shoe

#### Nature category:

	bird
	dog
	thunder cloud and rain
	water wave
	deciduous tree
	wind blowing face
	high voltage sign
	rooster
	duck
	frog face
	owl
	parrot
	honeybee
	cricket
	mosquito
	fly
	mountain
	camping
	beach with umbrella
	desert
	national park