# Airports.csv

| | |
|---|---|
| **Airport ID** | Unique OpenFlights identifier for this airport. |
| **Name** | Name of airport. May or may not contain the **City** name. |
| **City** | Main city served by airport. May be spelled differently from **Name**. |
| **Country** | Country or territory where airport is located. See Countries to cross-reference to ISO 3166-1 codes. |
| **IATA** | 3-letter IATA code. Null if not assigned/unknown. |
| **ICAO** | 4-letter ICAO code.<br>Null if not assigned. |
| **Latitude** | Decimal degrees, usually to six significant digits. Negative is South, positive is North. |
| **Longitude** | Decimal degrees, usually to six significant digits. Negative is West, positive is East. |
| **Altitude** | In feet. |
| **Timezone** | Hours offset from UTC. Fractional hours are expressed as decimals, eg. India is 5.5. |
| **DST** | Daylight savings time. One of E (Europe), A (US/Canada), S (South America), O (Australia), Z (New Zealand), N (None) or U (Unknown). *See also: Help: Time* |
| **Tz database time zone** | Timezone in "tz" (Olson) format, eg. "America/Los_Angeles". |
| **Type** | Type of the airport. Value "airport" for air terminals, "station" for train stations, "port" for ferry terminals and "unknown" if not known. *In airports.csv, only type=airport is included.* |
| **Source** | Source of this data. "OurAirports" for data sourced from OurAirports, "Legacy" for old data not matched to OurAirports (mostly DAFIF), "User" for unverified user contributions. *In airports.csv, only source=OurAirports is included.* |

The data is UTF-8 encoded.

*Note*: Rules for daylight savings time change from year to year and from country to country. The current data is an approximation for 2009, built on a country level. Most airports in DST-less regions in countries that generally observe DST (eg. AL, HI in the USA, NT, QL in Australia, parts of Canada) are marked incorrectly.

## Sample entries

```
507,"London Heathrow Airport","London","United Kingdom","LHR","EGLL",51.4706,-
0.461941,83,0,"E","Europe/London","airport","OurAirports"

26,"Kugaaruk Airport","Pelly Bay","Canada","YBB","CYBB",68.534401,-89.808098,56,-7,"A","America/Edmonton","airport","OurAirports"

3127,"Pokhara
Airport","Pokhara","Nepal","PKR","VNPK",28.200899124145508,83.98210144042969,2712,5.75,"N","Asia/Katmandu","airport","OurAirports"

8810,"Hamburg Hbf","Hamburg","Germany","ZMB",\N,53.552776,10.006683,30,1,"E","Europe/Berlin","station","User"
```

# Airlines.csv

| | |
|---|---|
| **Airline ID** | Unique OpenFlights identifier for this airline. |
| **Name** | Name of the airline. |
| **Alias** | Alias of the airline. For example, All Nippon Airways is commonly known as "ANA". |
| **IATA** | 2-letter IATA code, if available. |
| **ICAO** | 3-letter ICAO code, if available. |
| **Callsign** | Airline callsign. |
| **Country** | Country or territory where airport is located. See Countries to cross-reference to ISO 3166-1 codes. |
| **Active** | "Y" if the airline is or has until recently been operational, "N" if it is defunct. This field is *not* reliable: in particular, major airlines that stopped flying long ago, but have not had their IATA code reassigned (eg. Ansett/AN), will incorrectly show as "Y". |

The data is UTF-8 encoded. The special value **\N** is used for "NULL" to indicate that no value is available, and is understood automatically by MySQL if imported.

*Notes*: Airlines with null codes/callsigns/countries generally represent user-added airlines. Since the data is intended primarily for current flights, defunct IATA codes are generally not included. For example, "Sabena" is not listed with a SN IATA code, since "SN" is presently used by its successor Brussels Airlines.

## Sample entries

```
324,"All Nippon Airways","ANA All Nippon Airways","NH","ANA","ALL NIPPON","Japan","Y"

412,"Aerolineas Argentinas",\N,"AR","ARG","ARGENTINA","Argentina","Y"

413,"Arrowhead Airways",\N,"","ARH","ARROWHEAD","United States","N"
```

## Routes.csv

| | |
|---|---|
| **Airline** | 2-letter (IATA) or 3-letter (ICAO) code of the airline. |
| **Airline ID** | Unique OpenFlights identifier for airline (see Airline). |
| **Source airport** | 3-letter (IATA) or 4-letter (ICAO) code of the source airport. |
| **Source airport ID** | Unique OpenFlights identifier for source airport (see Airport) |
| **Destination airport** | 3-letter (IATA) or 4-letter (ICAO) code of the destination airport. |
| **Destination airport ID** | Unique OpenFlights identifier for destination airport (see Airport) |
| **Codeshare** | "Y" if this flight is a codeshare (that is, not operated by *Airline*, but another carrier), empty otherwise. |
| **Stops** | Number of stops on this flight ("0" for direct) |
| **Equipment** | 3-letter codes for plane type(s) generally used on this flight, separated by spaces |

The data is UTF-8 encoded. The special value **\N** is used for "NULL" to indicate that no value is available, and is understood automatically by MySQL if imported.

*Notes*:

- Routes are directional: if an airline operates services from A to B and from B to A, both A-B and B-A are listed separately.
- Routes where one carrier operates both its own and codeshare flights are listed only once.

## Sample entries

```
BA,1355,SIN,3316,LHR,507,,0,744 777
```

```
BA,1355,SIN,3316,MEL,3339,Y,0,744
```

```
TOM,5013,ACE,1055,BFS,465,,0,320
```

Route maps for airports and airlines can be viewed by searching for their names or code in the website's Search box; alternatively, check out the alphabetical list of all covered airports and airlines.