

# ATSB KML Creator

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## Version 3.4.2


### Introduction

The ATSB KML Creator allows you to convert GPS or FDR data in comma-separated value (CSV) files into a KML file, suitable for viewing in Google Earth.

The KML Creator allows multiple sections (or flight splits) of a path to be generated, each with their own name and colour. Note that no individual flight split can exceed 32,767 data points (Google Earth limitation).

Additional data tracks can also be included for display in the 'Elevation Profile' window of Google Earth and in the description of Placemarks.

### Quick Start Guide

1. **Select CSV** tab:
  - a. Either click  and browse to the CSV file or drag the file into the **Select File** box.
  - b. Click **Import**. *Note: The program assumes that each row will contain data in all columns. Rows with missing data may be ignored when KML is being created.*
2. **Data Setup** tab:
  - a. Adjust the number of **header lines** until the names for each column are correctly filled displayed in the table.
  - b. In the **Data Tracks** pane, to select the appropriate columns, double-click the **Latitude** and **Longitude** data tracks, and select the associated data.
  - c. In order to add altitude to the track, use the **Add Altitude** button. Select the units and data column, and click **OK**. *Note: Altitude data is optional. Default altitude setting is absolute (suitable for barometric corrected altitude). This can be changed in Google Earth if other another altitude reference is used (e.g. Radio Altitude)*
  - d. If desired, add more data for display in the elevation profile section of Google Earth (See Additional Data section below) using the **Add** button.
  - e. In the **Split Properties** pane, add the number of splits required.
  - f. Adjust the name and colours of each split by double-clicking on it. *Note: All data is in Split 1 by default.*
  - g. In order to assign sections of the data to a split, either highlight that data or pick the start of the new split and right-click and assign to the desired Split. *Note: Splits should be kept in increasing order.*
  - h. In the **Loaded data** pane, ticking the box next to a data row will put a KML Placemark at that point.

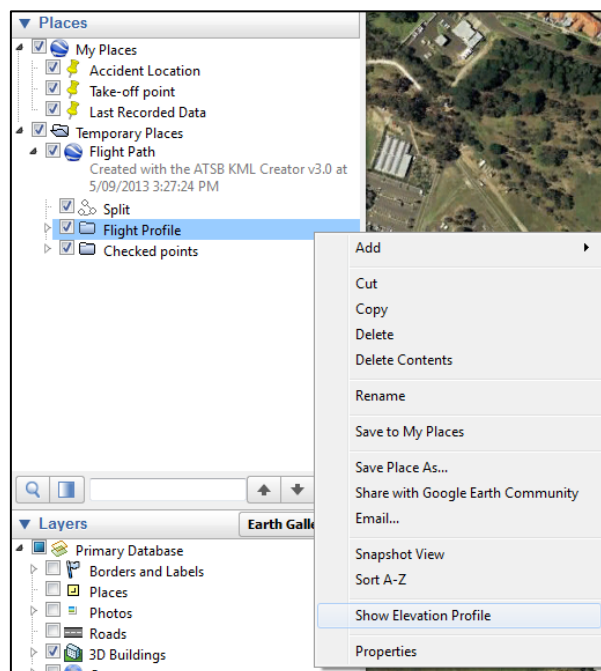
3. **Create KML** tab:

- a. Click the **Export KML File...** button. Any immediately detected errors will be shown.
- b. Select the filename to save as.
- c. Wait for the program to complete (up to a few minutes for very large data sets).

## Additional Data

Newer versions of Google Earth have the ability to show data plots using the Elevation Profile function.

In order to view the data, expand the Flight Path folder, right click the Flight Profile folder and select the **Show Elevation Profile** option, shown below.



The data will be displayed at the bottom of the Google Earth window:



## Major changes since previous releases

- Redesigned interface
- Improved performance
- More robust error handling
- Data can be exported in multiple separate flight splits
- Google Earth placemarks (yellow push-pins) can now be used at selected data points

## System Requirements

The ATSB KML Creator requires the following for correct operation:

- 32-bit or 64-bit Windows system
- Microsoft .NET Framework 4.0 or greater
- Google Earth 6.0 or greater