

[Friedrich-Wilhelm-Jungius-Cup for gas balloons](#) | [Scoring Area](#) | [Submit Flight Data](#) | [Results](#)

Scoring area and scoring

Scoring area

The outer boundary of the scoring area is defined by coordinates (WGS84), which are connected by a line.

Scoring area KMZ Google Earth

Scoring area CSV



Scoring

Example

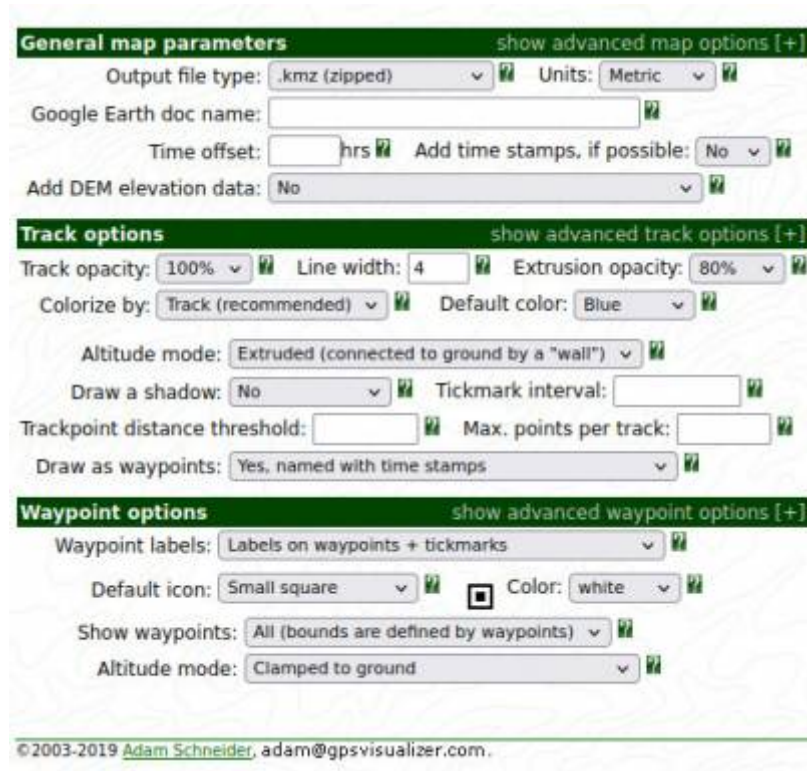
1. Track file

Track file from logger or GPS

2. Conversion for Google Earth

With https://www.gpsvisualizer.com/map_input?form=googleearth

and the following settings:



The screenshot displays the GPS Visualizer configuration interface, which is organized into three main sections: General map parameters, Track options, and Waypoint options. Each section has a 'show advanced' link. The 'General map parameters' section includes settings for the output file type (set to '.kmz (zipped)'), units (Metric), Google Earth doc name, time offset, and whether to add time stamps or DEM elevation data. The 'Track options' section allows for configuring track opacity, line width, extrusion opacity, colorization (set to 'Track (recommended)'), default color (Blue), altitude mode (set to 'Extruded (connected to ground by a "wall")'), shadow drawing, tickmark interval, trackpoint distance threshold, maximum points per track, and whether to draw as waypoints (set to 'Yes, named with time stamps'). The 'Waypoint options' section includes settings for waypoint labels, default icon (Small square), color (white), whether to show waypoints (set to 'All (bounds are defined by waypoints)'), and altitude mode (set to 'Clamped to ground'). A copyright notice at the bottom reads '© 2003-2019 Adam Schneider, adam@gpsvisualizer.com'.

Important: Altitude mode: Extruded (connected to ground by a „wall“)

2010-08-21_dostz_lindecup_air.kmz

3. Load into Google Earth

[Load the track file](#)

2010-08-21_dostz_lindecup_air.kmz

[and the file of the competition area](#)

jungiuscup_wertungsgebiet_deutschland.kmz

in Google Earth.

4. Search for track point 1

In the example, track point 1 is identical to the starting point.



Date: 2010-08-21 UTC: 18:00:36

Coordinates: 51.6246833° N 12.2946500° E

5. Search for track point 2

Track point 2 is the last track point before the boundary of the scoring area. As the points are connected to the ground with a line, it is easy to see which is the last point.



Date: 2020-08-21 UTC: 23:32:18

Coordinates: 51.9691333° N 14.6966167° E

6. Enter in FAI Distance Calculator

[Download the](#)

[fai_distance_calculator_v1.0_1.zip](#)

and unzip it. Then open the HTML file in your browser.

FÉDÉRATION AÉRONAUTIQUE INTERNATIONALE
WORLD DISTANCE CALCULATOR
World models available: WGS84 Ellipsoid, FAI Sphere
([operation instructions available at the end of this page](#))

Input = Lat/Longs to the same Geodetic Datum, preferably WGS84

Lat 1		Long 1	
51.6246833	N ▾	12.2946500	E ▾
Lat 2		Long 2	
51.9691333	N ▾	14.6966167	E ▾

Distance Units: Kilometres ▾ Earth model: WGS84 ▾

COMPUTE RESET

Output = true courses, then shortest distance on the surface of the selected world model

Course 1-2 (deg)	Course 2-1 (deg)	Shortest distance
76.035705483326	257.92334196397	170.073164090674

Attention: Set Longitude to E.

After entering the coordinates, press COMPUTE and the result appears at the bottom right.

Result

Distance within the scoring area 170.07 km

From:

<https://www.ballon-bitterfeld.de/bivfl/> - Ballonsport im Bitterfelder VfL e.V.

Permanent link:

<https://www.ballon-bitterfeld.de/bivfl/doku.php/en/jungiuscup/wertungsgebiet>

Last update: **2024/02/18 09:43**

