GPSVisualizer

No valid GPS data detected!

If you think you really did upload a valid GPS file, please let me know and I'll look into it.

Missing headers?

Sometimes this error comes up because you didn't include a header row at the beginning of tabular data (i.e., tab-delimited plain text, CSV, or a spreadsheet). If there's no header row, the computer has no way of knowing which numbers are which! For example, GPS Visualizer has no idea what this means:

```
45.40252,-121.77589,1399,point 1
45.39254,-121.69946,2394,point 2
```

Whereas the following makes perfect sense, because there's a header row that defines the fields:

```
latitude,longitude,elevation,name
45.40252,-121.77589,1399,point 1
45.39254,-121.69946,2394,point 2
```

Note that the *order* of the fields is irrelevant, as long as the header matches what's underneath it.

Latitude & longitude switched around?

Are all of your latitudes more than 90 or less than -90? If so, you may have simply reversed "latitude" and "longitude" in the file's header!

Street addresses?

GPS Visualizer's server is unable to convert large numbers of street addresses to latitude/longitude. (One exception is U.S. ZIP codes, or Canadian postal codes, which *can* be converted by the server.) If your data consists mostly of addresses, you'll need to geocode them first before trying to map them. You can GPS Visualizer's Batch Geocoding Utility, or read more about geocoding.

File suffixes?

It's also possible that you simply have the wrong suffix on your file(s). For instance, files containing comma-separated data should generally end in ".csv"; GPX files should end in ".gpx".

Here's the (almost) complete list of filename endings that GPS Visualizer recognizes:

.abx	Magellan Roadmate address book	.gsr	USGlobalSat binary tracklog (as from DG-200)	.rdn	Fichiers de IGN Rando (français)	
.an1	DeLorme drawing file	.gst	Geosetter tracklog	.rt3	Transas XML files	
.anr	DeLorme Street Atlas route	.gt7	Outdoor Navigator Pro tracklog	.rte	OziExplorer routes	
.axe	Microsoft Autoroute file			.sbn/.sbp	Locosys Genie tracklog	
				.sdf	Suunto SDF file	

Ext	Description
.bin	Binary log file (from various sources, including Emtac Trine, Magellan Roadmate, Maka/Marbella)
.btk	Bushnell Backtrack D-Tour tracklogs
.cpo	EnerGymPro tracklog
.crs	Garmin Training Centre "course" file (XML)
.csv	Comma-separated text (including Timex Trainer, Furuno NavNet 3D, et al.)
.ctc	Coutraci binary tracklog
.dat	APIC binary file, GiSTEQ PhotoTrackr, Northstar waypoints, Evermore, et al.
.flightlog	SkyDemon flight logs
.fpl	FliteStar XML files
.fsh	Raymarine archives
.gdb	Garmin Mapsource
.gep	BTwin SatCount
.ghd	Geonaute KeyMaze logs
.gpb	Dell Axim binary file
.gpi	Garmin "Points of Interest" database
.gpl	DeLorme GPL file, Blackerry GPSLogger tracklog, or SkyRC GpsLogger tracklog
.gpm	GPSMeter PDA file
.gpsed	GPSed (Blackberry) tracklog
.gpx	GPX (GPS eXchange format): the most common and interchangeable of all GPS file formats
.gsd	Globalsat plain-text tracklog

Ext	Description
.gtk	Bushnell Backtrack D-Tour waypoints
.hst	Garmin Training Center history file (XML)
.igc	IGC log file (from sailplanes)
.kml/.kmz	Google Earth KML
.lmx	Nokia "Landmarks" file
.loc	Geocaching.com XML waypoints (*not* Terrabyte/TopoGrafix)
.log	Various tracklog formats (Xplova, Jeppesen, QinetiQ, Canmore, TrueCam, Sygic, et al.)
.ltb	Pioneer AVIC files
.mps	Garmin Mapsource
.mrk	Maptech Terrain Navigator
.ngt	NoniGPSPlot track logs
.nmea/.nme	Raw NMEA sentences
.ns1	NetStumbler binary log file
.olg	OakGPS tracklog
.pdb	Palm OS databases from Cetus GPS, Pathaway, or cotoGPS
.pcx	PCX5 tracklog
.pgl	TomTom text log file (modified NMEA)
.plt	OziExplorer tracks
.psp	PSP290 tracklog
.pts	Precision Mapping Streets and Traveler (UnderTow Software)
.pvt	Magellan Maestro tracklogs

Ext	Description
.smt	Vito Navigator II tracks
.srw	SeaClear nautical waypoints
.stk	Seamaster Pro files
.tcx	Garmin Training Center history file (XML)
.tes	Wintec WBT-xxx binary tracklog
.trk	Tracklog: PCX, CompeGPS, GPS Tuner, Mapsend, Maptech, iGO, iGO Primo, Fugawi, Orion SkyTrack, TrackMaster 2000, Magellan NMEA, et al.
.trl	Bushnell, TrackLogs digital mapping, et al.
.tr7/.ppg	MapAsia MapKing track log
.txf	Maptech text export file
.txt	Tab-delimited text
.ubx	U-Blox binary track file
.usr	Lowrance USR file
.vcc	Velocitek Control Center XML file
.vrtp	ViewRanger tracklog
.wpt	Waypoints: PCX, OziExplorer, Fugawi, CompeGPS, Mapsend, Magellan NMEA, probably others; Tracklogs: Chrysler MyGig
.xls/.xlsx	Microsoft Excel spreadsheet
.xml	Garmin Forerunner Logbook, Sportek, CycleOps, et al.
.xol	SwissTopo's Swiss Map Mobile
everything else	Interpreted as tab- or comma-delimited text in the absence of other clues

[Return to the map form](#)