

**NAME**

xplage – convert X-Plane datagrams to KML files

**SYNOPSIS**

**xplage** [-**l** *lmh*] [-**f** *feet*] [-**i** *seconds*] [-**o** *path*] [-**p** *port*] [-**s**] [-**t**] [-**v** *version*]

**DESCRIPTION**

The **xplage** command listens on a network **socket**(3SOCKET) for UDP datagrams representing the geographical coordinates and orientation of an instance of the X-Plane® flight simulator, and converts them to KML files that Google Earth® can use as network links to create “moving maps” of the simulated flight path. Two KML files are created: one produces an overhead view of the simulated aircraft’s position; the other produces a perspective view of the terrain ahead of the aircraft.

**OPTIONS**

The following options are supported:

- [**l** | **m** | **h** ]     Set the height offset of the Google Earth “eye” to a preset low (medium, high) level. This is added to the altitude of the simulated aircraft to determine the height of the overhead earth viewer. (The eye value is not used in the perspective view.)
- f** *feet*             Set the eye offset to *feet* above the altitude of the simulated aircraft. (The *feet* parameter should be entered as a decimal integer string, without commas.)
- i** *seconds*         Set the interval timer for file writes to *seconds* rather than the default one second.
- o** *path*             Use *path* for the output instead of the standard document directory for the Apache HTTP server on the target platform.
- p** *port*             Listen for UDP datagrams on *port* rather than the default port of 49000.
- s**                    By default, **xplage** prints data capture metrics and current values for the coordinates to its standard output stream. This option suppresses the incessant chatter.
- t**                    In addition to the two KML files, deposit a file containing comma-separated values representing the flight track in the target directory.
- v** *version*         **Xplage** usually can determine which version of X-Plane is the source of the telemetry, and adjust its semantics accordingly. This option disables that automatic process so only datagrams from the specified *version* will be detected.

If **xplage** is executed in the foreground, a software interrupt (typically initiated by typing a Control-C in the controlling terminal) will prompt the user to exit **xplage** or enter new parameters for the height of the “eye,” allowing it to be modified without killing and relaunching the **xplage** process.

**EXIT STATUS**

The **xplage** command returns a non-zero value to its invoking process if it encounters an input or output error. Otherwise it executes continuously until manually stopped by the user.

**FILES**

<Apache Documents>/overhead.kml	overhead view KML directives
<Apache Documents>/perspective.kml	perspective view KML directives
<Apache Documents>/track.csv	comma-separated track data

**SEE ALSO**

**xplage**(4)