

How to use the travel log of SY Jageren with Google Earth

General

SY Jageren uses a combination of a GPS transmitter onboard, satellites that receive our positions, Google Maps, and a message central which combines these elements to show our position at any given time (i.e. twice/day). You can see this on our website:

<http://www.jageren.com/travellog-jageren.html>

You can zoom in/out, choose presentation format, etc. There are however a few limits as to how detailed you can go, and you will only be able to see a map with our positions, and a few names/roads etc. There is however a much richer way to view our positions with much more detail and information: See where we are in Google Earth!

Below I will describe how you in a very simple way can find out much more details about where we are at any given time.

Google Earth

Do you know/use Google Earth? If not, you can install it and learn more here:

<http://earth.google.com/intl/en/>

In the following, I will assume that you possess some knowledge about Google Earth.

Our position: A simple guide to navigation

It will come in handy to know a little about how one identifies a given spot on Earth. We are using the terms *latitudes* and *longitudes*. Latitudes say where we are regarding north and south. Longitudes say where we are regarding east and west. There are 2 important zero points: Equator marks the border between north and south, while the Greenwich line (The Greenwich meridian: through Greenwich, England; hence the name) marks the border between east and west.

Put in other words: Imagine a line around the globe that is dividing the Earth in a northern and southern hemisphere, and you have the Equator. Then imagine a line starting at the North Pole, running through Greenwich, England, and ending up at the South Pole, and you have the Greenwich line. At the other side of the world, this line will of course continue back from the South Pole and up to the North pole, completely similar to the equator line, creating the date line (where tomorrow starts each day on Earth), but let us not complicate it more than necessary for now, right? :-)

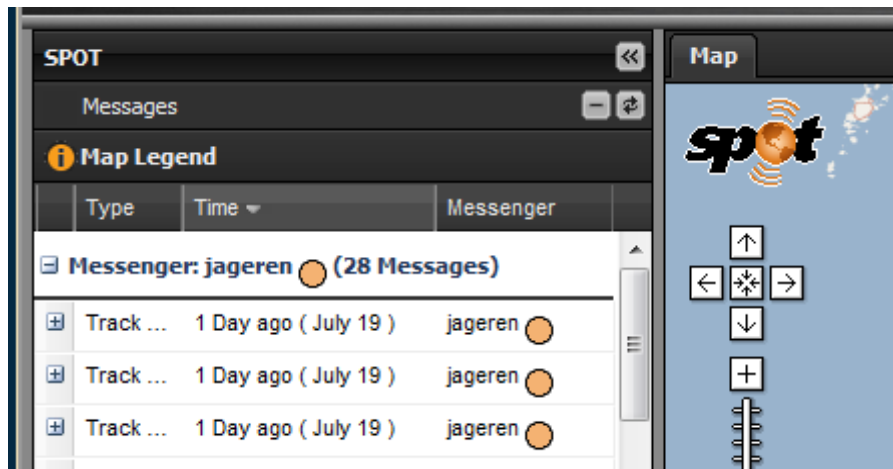
Read more here: <http://wwp.greenwichmeridian.com/line.htm>

and here: http://en.wikipedia.org/wiki/Prime_Meridian

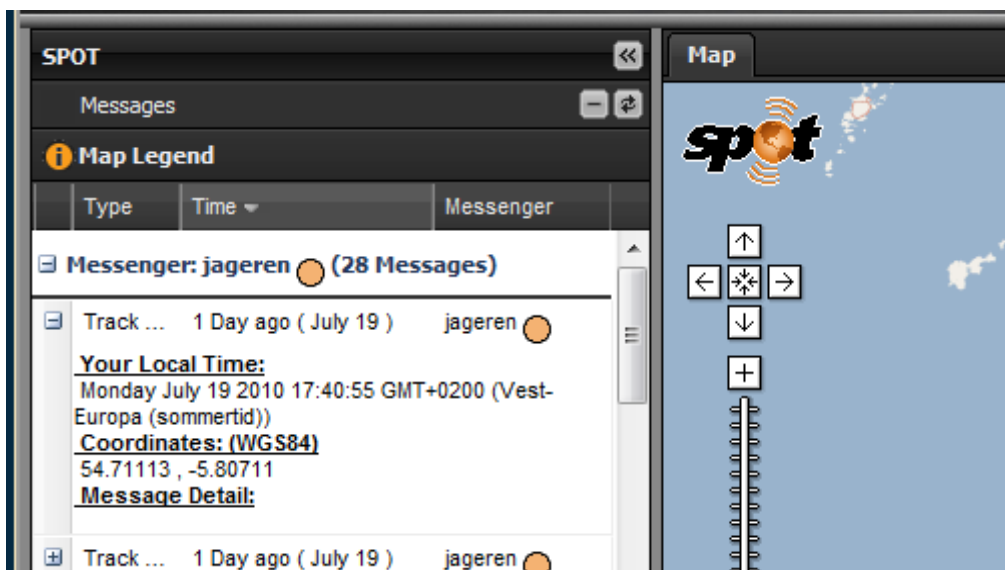
Any position on Earth can be uniquely identified by these two figures. The position 0,0 means that we are at equator, exactly on the Greenwich line (south of Greenwich). All other positions will be north/south of equator, and east/west of Greenwich, England. Difficult? A small exercise together may perhaps enlighten the concept.

Finding our position

On our travellog page the map and our travel line is in focus. But the left column contains useful information which we can use in Google Earth. Every position is listed, with our last position on top. It looks like this:



Click on + to the left of last position:



Now we are getting some useful information:: **Coordinates** shows 2 figures: Latitude and longitude last reported. It is these 2 figures we can use. First an explanation about signs (negative/positive).

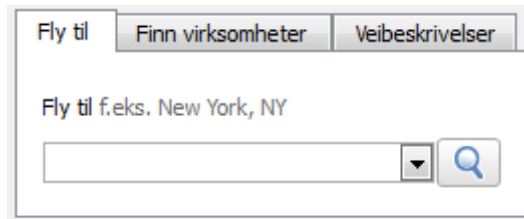
As you can see our latitude is a positive number. This means that we are NORTH of equator. Had we been south of it, the number would have been negative. Similarly, our longitude is a negative number, indicating that we are WEST of Greenwich, England. A positive longitude would have meant that we were east of Greenwich.

Copying our position

Mark both figures by clicking and dragging over the numbers and press CTRL+C (Copy). If this is not understood, then simply note the figures down on a piece of paper.

Set our position in Google Earth

It is now time to switch to Google Earth: Start the program. The start screen in Google Earth contains an address field where you normally would enter the name of a place to search for:

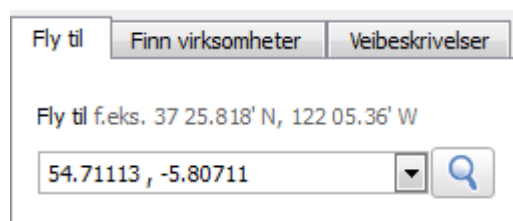


Fly til Finn virksomheter Veibeskrivelser

Fly til f.eks. New York, NY

However, you can also specify latitudes and longitudes!

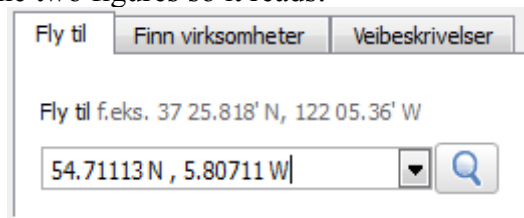
Fill in our position figures as found in our travellog:



Fly til Finn virksomheter Veibeskrivelser

Fly til f.eks. 37 25.818' N, 122 05.36' W

Here, we find a difference between Google Maps (in our position report) and Google Earth: We get our positions as negative and positive numbers, while Google Earth is using standard map symbols: N(orth), S(outh), E(ast), W(est). Since our latitude is positive, it means North, while our negative longitude means West. Edit the two figures so it reads:



Fly til Finn virksomheter Veibeskrivelser

Fly til f.eks. 37 25.818' N, 122 05.36' W

and press Enter: Google Earth will now zoom in on where we are, and there is no room for inaccuracies: Our position will be shown in the map with the accuracy of a few metres wherever we are in the world:



As you can see, SY Jageren is safe in a harbour. In this case, a suburb of Belfast, Ireland, named Carrickfergus. Zoom in/out in Google Earth as you wish, for more details.

You can now click on photos, fact boxes, sights, restaurants, hotels, and everything else that Google Earth knows about the place. In this way, you can (sort of) join us in different places in the world :-)

Enjoy!

All the best,
Alex
Crew/webmaster