

## Is Earth flat or spherical?



**Michael Brenner**

Studied Mechanical Engineering & Comparative Linguistics at Vienna University of Technology · Aug 30

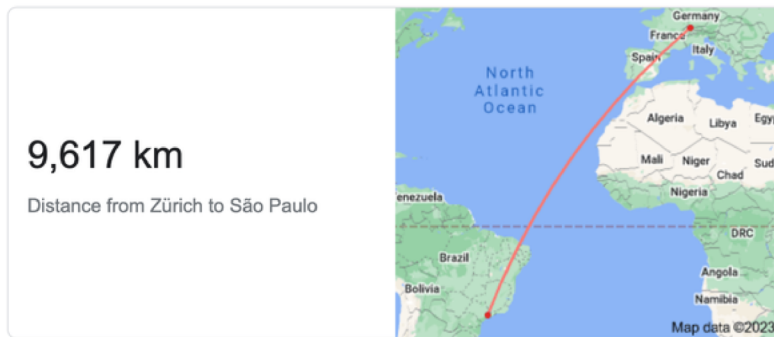
In a recent answer to a similar question I posted several night time videos taken by pilots with no other agenda than sharing the beauty of flying into a starry night sky. The inescapable conclusion from what these videos show though got a bunch of pilots as well as non pilots totally bent outta shape, resulting in amazingly stupid comments laced with profanities. The response to these comments is way too important to be buried in the comments section, so here a full fledged and more detailed analysis of said videos:

**Vuelo nocturno – The magic of flying at night**

Flying through the night, while the world beneath us is at sleep, is a pretty...

<https://www.beyondclouds.ch/2017/04/05/vuelo-nocturno-the-magic-of-flyi...>

Here we have a time-lapse of a flight from Zurich to Sao Paulo, that is, a flight that starts at 47.3769° N, 8.5417° E and ends at 23.5558° S, 46.6396° W spanning over a whopping 9617km of arc of a Grand Circle.



Now let's start with the bottom of the barrel, Dennett, who wasted dozens of derogatory comments until coaxed into admitting that he never watched the video, and that he didn't have to watch any evidence in order to remain fixed on his position - thus admitting that he is a believer of a cult, and not an observer of reality.

Ok, Dennett is an entertainer, and he may entertain any position he likes, but Davies, Ismawi and Dawn are pilots - or so they say - and their comments are a little more

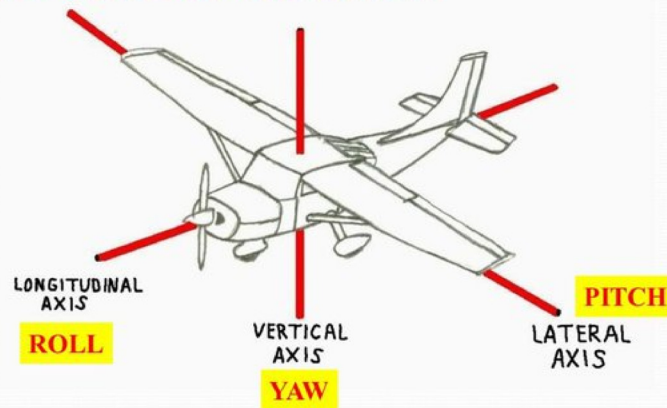
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186

1

then? He also claims that there can be only one rotation at a time - and that as a self proclaimed fighter pilot who trains to keep track of three rotations at a time:

# The Axes of Rotation



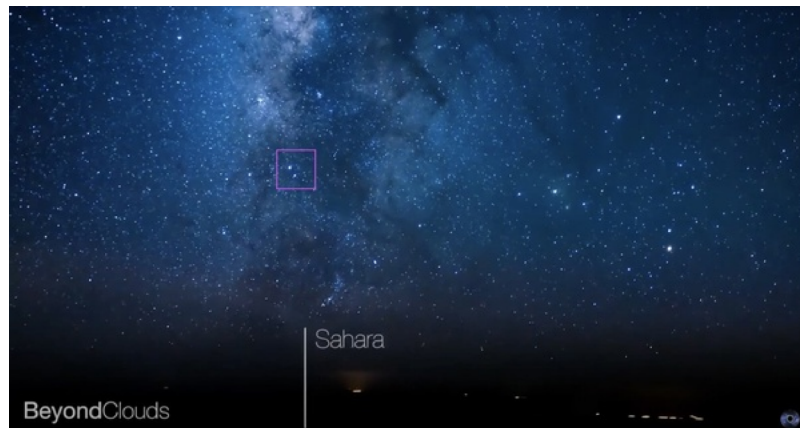
Let's see what the globe model predicts for the above mentioned and documented flight:

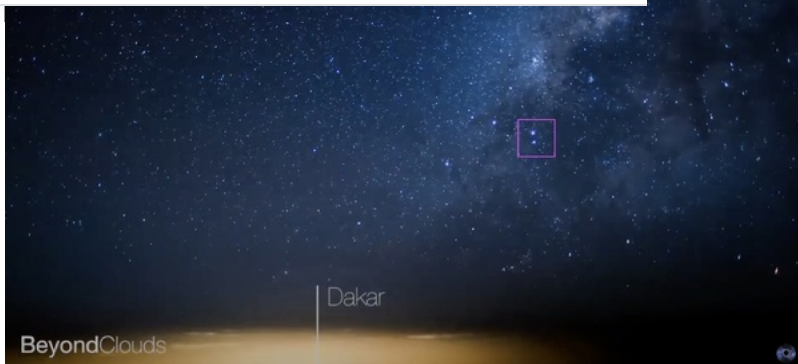
Globe people love to belabour the Grand Circle Routes (GCR), ok then: a GCR is nothing but another equator, because it is produced by the same principle: a plane intersecting a sphere through its centre. Flying along a GCR is equivalent to rotating around the centre of the globe, and we can easily calculate the angle through which a plane rotates when it flies 9617km along such a route.

The angle through which a plane rotates when we know the arc length and the radius:  $(9617/6371) \times (180/\pi) = 86.5^\circ$ . So it's actually way more than the 55° of longitude which would have to show in the videos.

Now, because this rotation is totally missing in the video, pilots with an agenda like Davies claim that such a rotation would be imperceptible, believing that lacing this claim with insults would give it more authority.

Let's see how missing this rotation really is: here several positions along the route with a conspicuous pair of stars highlighted for clarity:





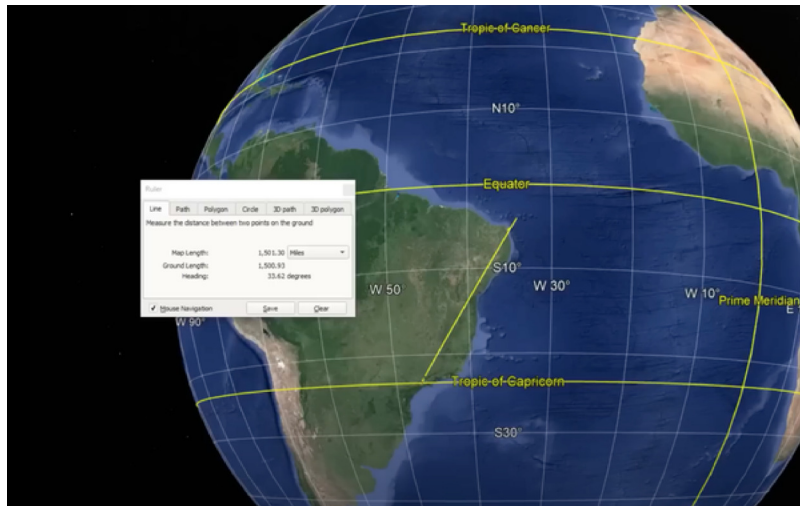
The only rotation we see is the apparent rotation of the firmament, no sign of a plane rotating through 86° at the same time, because that would mean the entire picture would have to move upwards like a film strip.



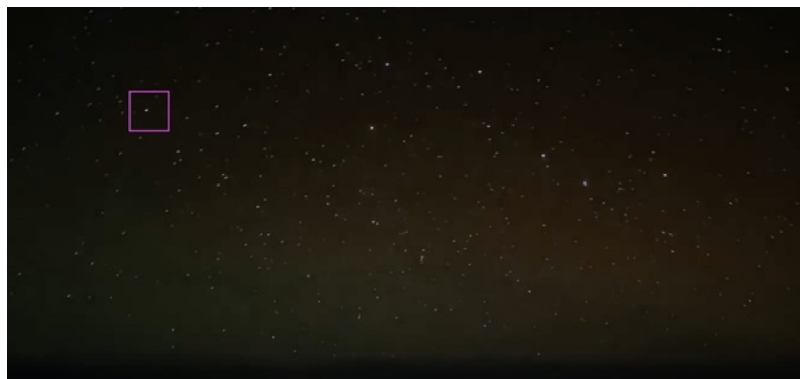
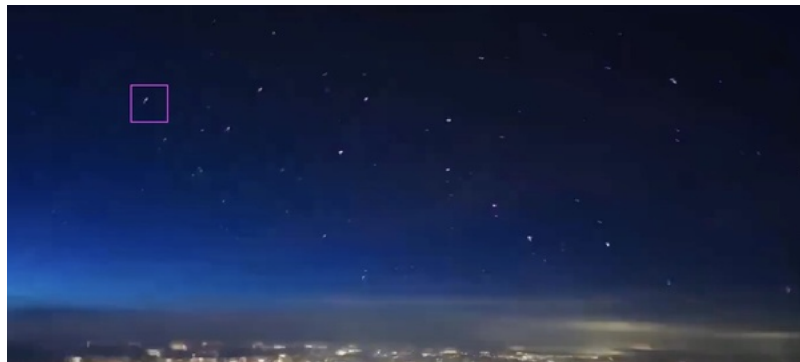
..... which it actually does in the Google Earth animation of the same flight, because Google Earth is calculated based on a spinning ball model, whereas real life footage shows it to be flat.

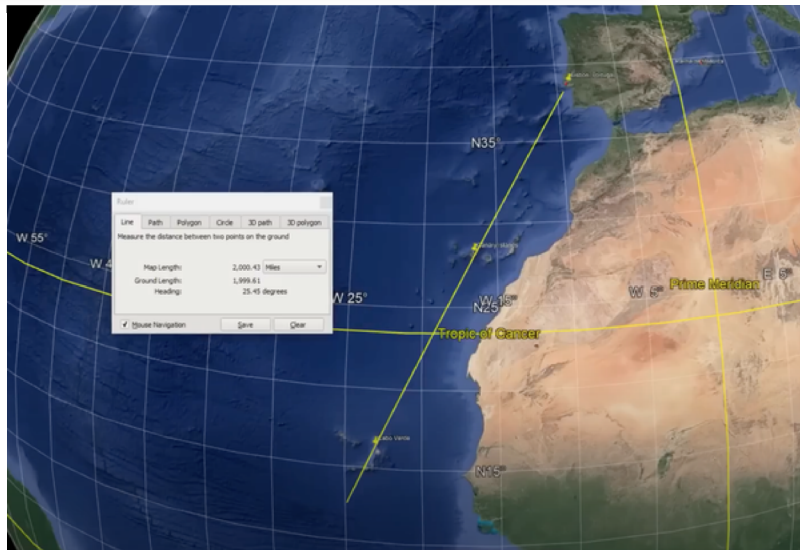
Shane Michels complained that the flight back to Europe has a major cut .....

.... in an attempt to invalidate the conclusion, but that's a weak excuse as it turns out: the first part is over an arc length of 2400km or  $(2400/6371) \times (180/\pi) = 21.5^\circ$

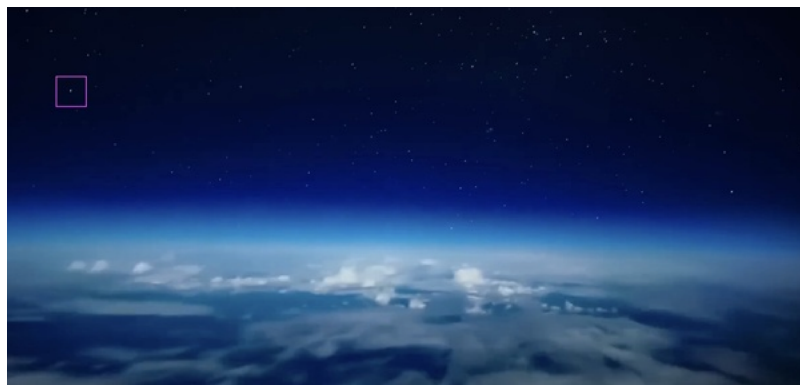


.... so the stars MUST show an apparent rotation of 21.5° - which they don't, the only motion is a rotation around Polaris.





..... these 28.9° do NOT show up in the footage:



The inescapable conclusion is that the planes do not fly along an arc of a GCR but along what a GCR actually is: the shortest distance between two points, and that is a straight line.

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1 of 426 answers



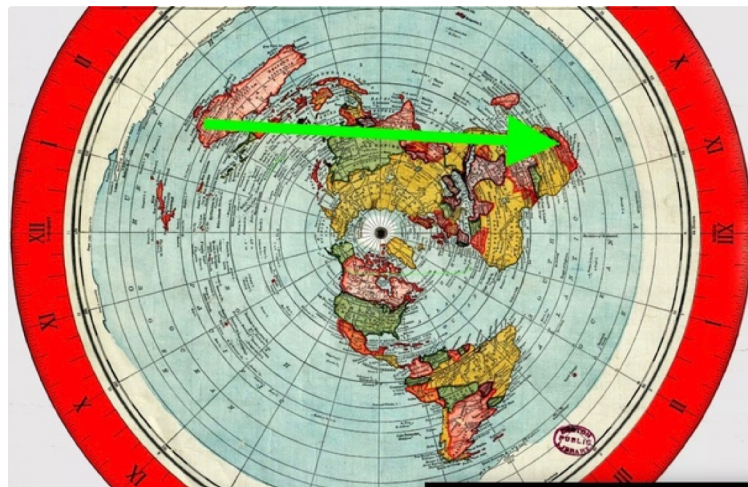
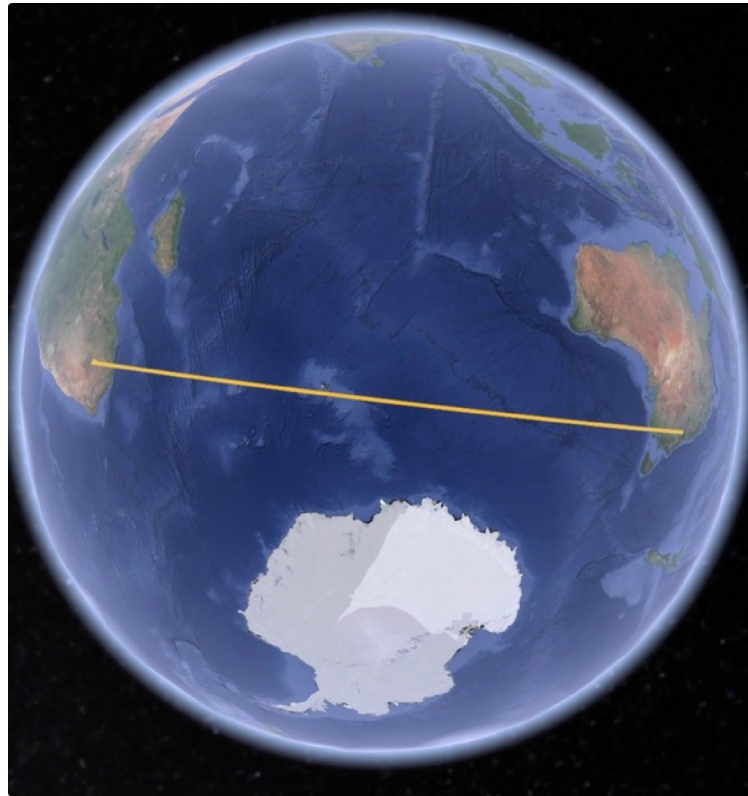
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Add comment



**Gert Van Der Walt** · Sep 9

Still waiting for you, or any other flat earther explanation of these flights.



6 Reply

**Martin Dennett** · Sep 10  
I'm still waiting too Gert

4 Reply

**Nicholas Cianfanelli** I wouldn't bet the farm on it, guys, this dude's been waiting for clear...

into admitting I didn't watch the video. I said I didn't need to watch it because I know Earth isn't flat, despite all your protestations. I mean, you've still to expli (more)



4   Reply



**Tim Good** · Aug 30

I've already got the correct analysis loaded in the barrel:

Google Earth is not set up for analyzing the surface of the earth and the sky simultaneously. Instead, use a planetarium app.

7   Reply



**Michael Brenner** · Aug 30

But Google Earth DOES it and it does it at odds with observed reality. If a planetarium app does it in concordance with observed reality, then it does it in concordance with a flat ground.

1   Reply

**Shane Michaels** Would you mind addressing the fact that your video you've used here sho...



**Hasmal Dawn** · Aug 31

*Davies, Ismawi and Dawn are pilots - or so they say*

And there it is, any time a pilot says something that disagrees with a flat earther the response always comes to a suggestion that they aren't really pilots at all.

3   Reply



**Michael Brenner** · Aug 31

Somebody who claims there can be only one rotation at a time justifiably draws doubt as to whether he really is a pilot. Davies said even more ridiculous things just to evade the inescapable. The fact that these pilots won't even recogni (more)

Reply

**Hasmal Dawn** Your only "justification" is that we tell you things you don't want to hear. It's...



**Woj F** · Sep 5

First video, plane flying southwest, stars rotating clockwise around some unspecified point somewhere behind Sao Paolo.

Second video, plane flying northeast, stars rotating counterclockwise around polaris.

Tell me how is this possible in flattardia?

6   Reply



**Woj F** · Sep 10

[Michael Brenner](#)

Still awaiting your explanation.

6   Reply

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About the Author



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✉ Studied Mechanical Engineering & Comparative Linguistics at Vienna University of Technology

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