

# Re: Part1: Another BIG Flaw in 1971 Time Dilation Flight Experiment

**Source:** <http://sci.tech-archive.net/Archive/sci.physics.relativity/2005-02/2163.html>

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**From:** TomGee ([lvlus\\_at\\_hotmail.com](mailto:lvlus_at_hotmail.com))

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guskz@hotmail.com wrote:

> <http://hyperphysics.phy-astr.gsu.edu/hbase/relativ/airtim.html>

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> -----

> *Ok now:*

>

> *1. Is one clock aging less just because the plane left from Earth*

>

> *2. or is it because the plane's velocity relative to the Earth is*

*much*

> *faster?*

> *(or the very least much different than Earth's if one wishes not to*

> *attribute the wording "faster/slower").*

>

>

> *Answer 1 or 2? (and you musn't change your answer after reading*

> *what's written after this):*

>

>

1.

>

>

> -----

> *Here's the major flaw I found:*

>

> *1. Not one but two planes took off in opposite direction and....*

>

> *The difference of velocity between both planes is TWICE TWICE TWICE*

*as*

> *much as their difference with that of Earth.*

>

>

> *2. So then why has both plane's atomic clock aged the same amount if*

> *they're both moving faster than the other?*

>

>

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>

If you mean that both planes are moving faster than the Earth but at the same speed wrt each other, it is expected that their clocks tick at the same time rate since time rates are set by the speed of objects.

TomGee