# Starlink network measurement – RIPE Atlas

## Experience 1 : Link stability measurement

Measurement ID : [48065838](https://atlas.ripe.net/measurements/48065838/) and [48065839](https://atlas.ripe.net/measurements/48065839/)

From :

* Probe 28, US
  + IPv4 : [216.147.126.61](https://stat.ripe.net/216.147.126.61)
  + IPv6 : [2605:59c8:515c:4014:220:4aff:fec8:2455](https://stat.ripe.net/2605:59c8:515c:4014:220:4aff:fec8:2455/64)
* Probe 50 008, DE
  + IPv4 : [145.224.73.245](https://stat.ripe.net/145.224.73.245)
  + IPv6 : [2a0d:3344:156a:c002:1:76ff:fed8:6526](https://stat.ripe.net/2a0d:3344:156a:c002:1:76ff:fed8:6526/64)
* Probe 60 323 : DE
  + IPv4 : [145.224.72.149](https://stat.ripe.net/145.224.72.149)
  + IPv6 : 2a0d:3344:1525:ce10:da58:d7ff:fe03:268

Subject :

* Probe 19 983, AUS
  + IPv4 : 206.83.114.184
  + IPv6 : 2406:2d40:4024:a600:c24a:ff:fe09:45b4

Description : Testing the stability of the traceroute to determine if the path taken is always the same or if some variant can be observed. Two probes are located in Europe and one probe is in the USA. This test is done both in IPv4 and IPv6 to compare the two.

Conclusion : There are various conclusion and hypothesys that can be made with this experiment

* The routing seems to be

# Remarks, ideas and note

Articles

* Some of these paper are based on the fact that all satellites have the same altitude -> this can alter or modify the view we have on certain algorithms
* Future optimisation that could be made to DisCoRoute (as example) is to take into account the average load of a satellite at a given point above the earth in order to not overload the satellite that need lots of computing power

Routing

* The folling sub network are to be saved, may be verry interesting
  + <https://whois.ipip.net/AS14593/149.19.108.0/23> -> possibly Sattelite
  + <https://whois.ipip.net/AS14593/145.224.112.0/21> -> says spain but also US
  + <https://whois.ipip.net/AS14593/176.116.124.0/23> -> MC-LHR ?
  + <https://whois.ipip.net/AS14593/188.95.144.0/23> -> MC-FRA
  + <https://whois.ipip.net/AS14593/65.181.0.0/22> -> SpaceX AP
  + <https://whois.ipip.net/AS14593/103.235.92.0/22> -> STARLINK-MC-SYD-JP1
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