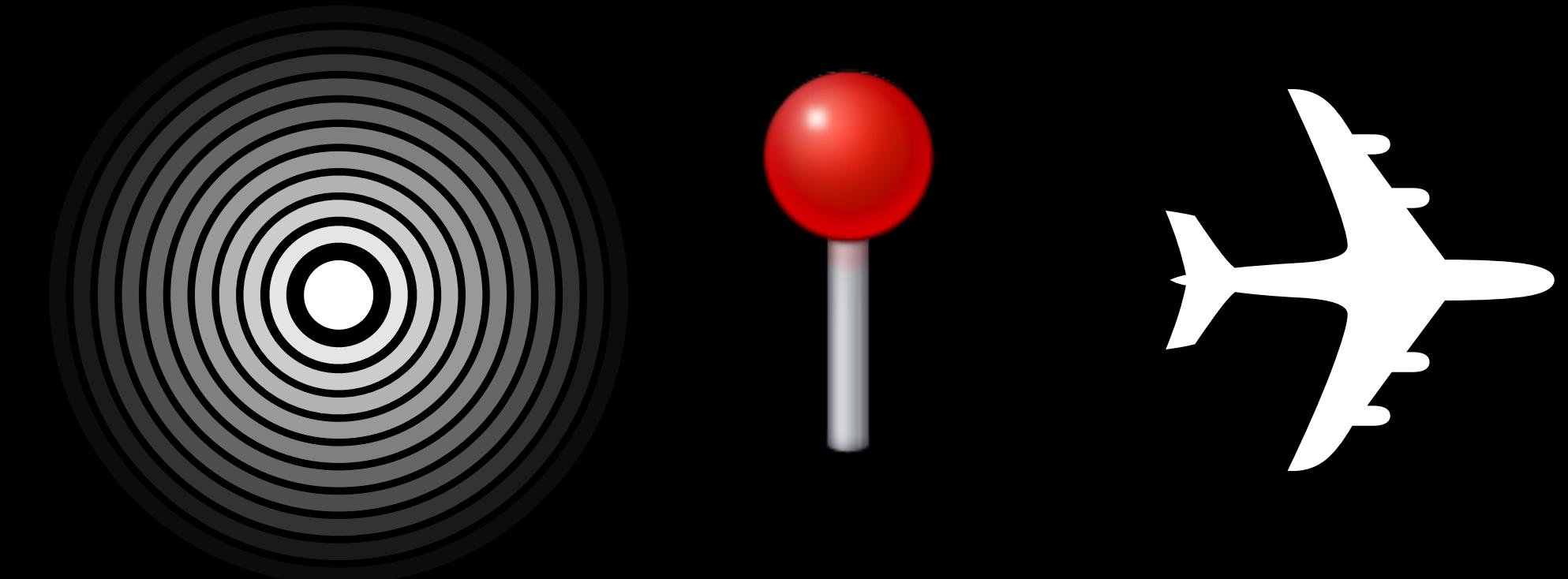




Why So Loud!

Geeking Out On Airline Data, Physics And Mapping.



Ewan Dennis

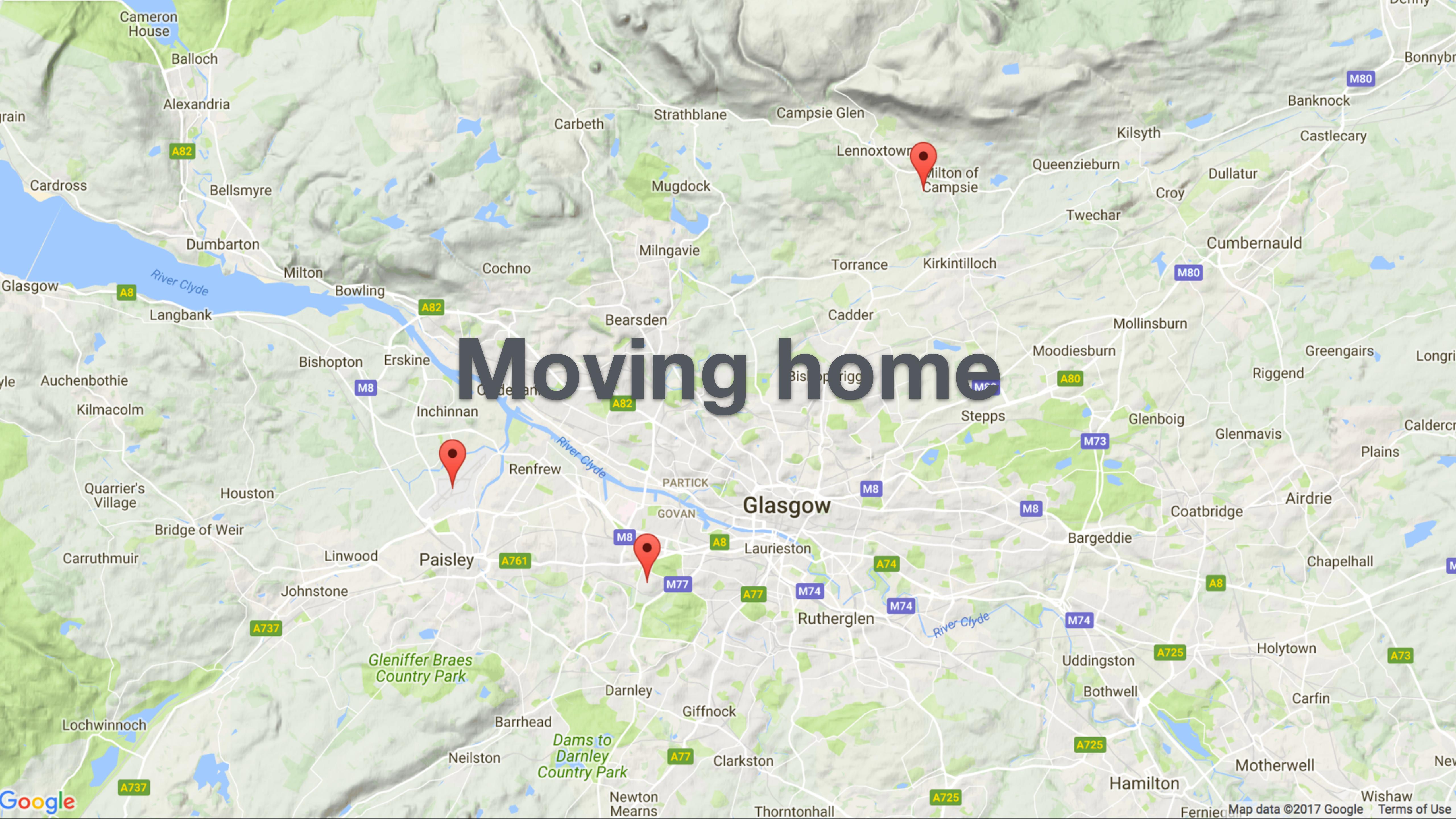
cloudygoo.com

@ewanovitch

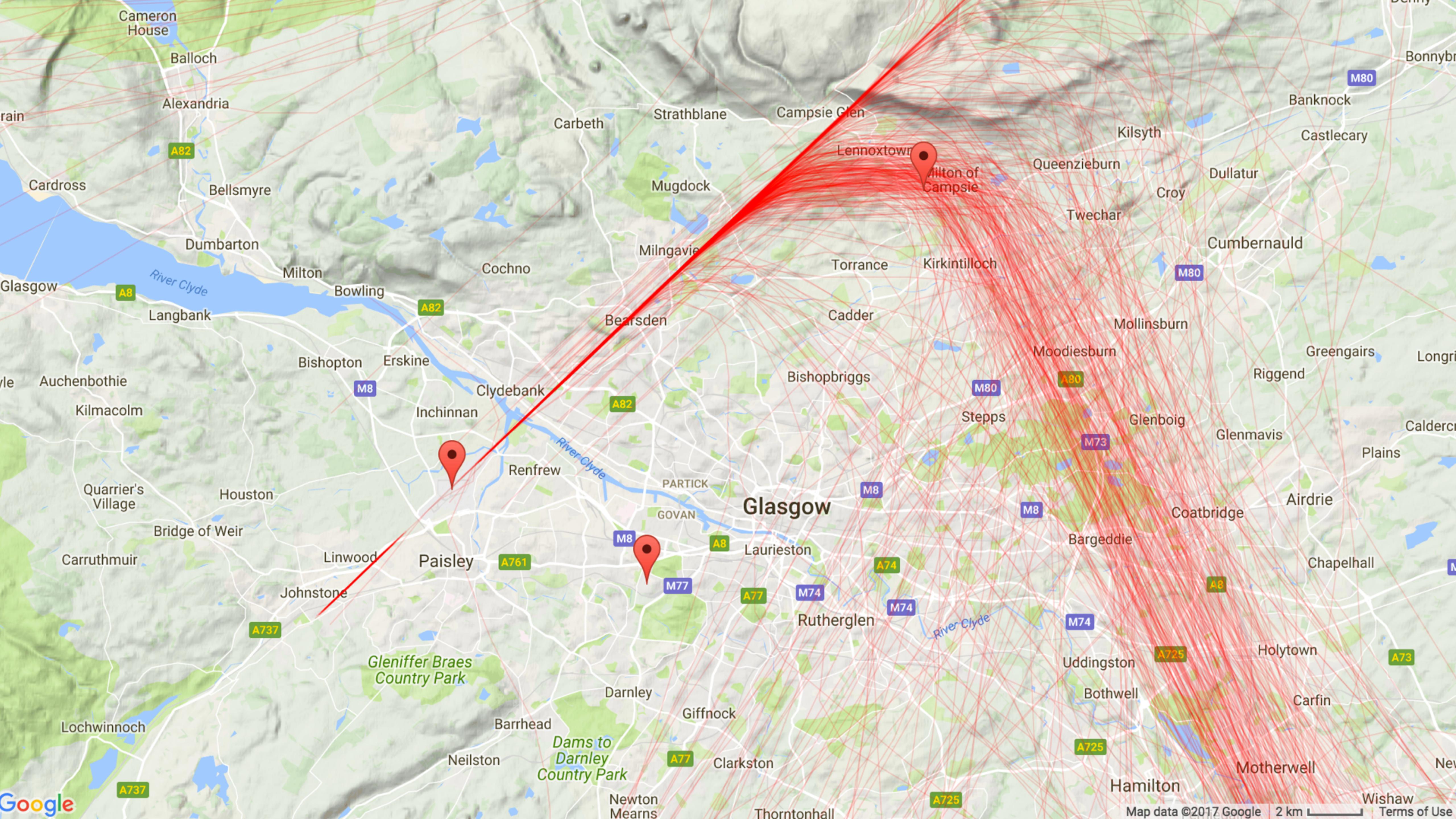
github.com/ewandennis

SPARKPOST
Developer Relations

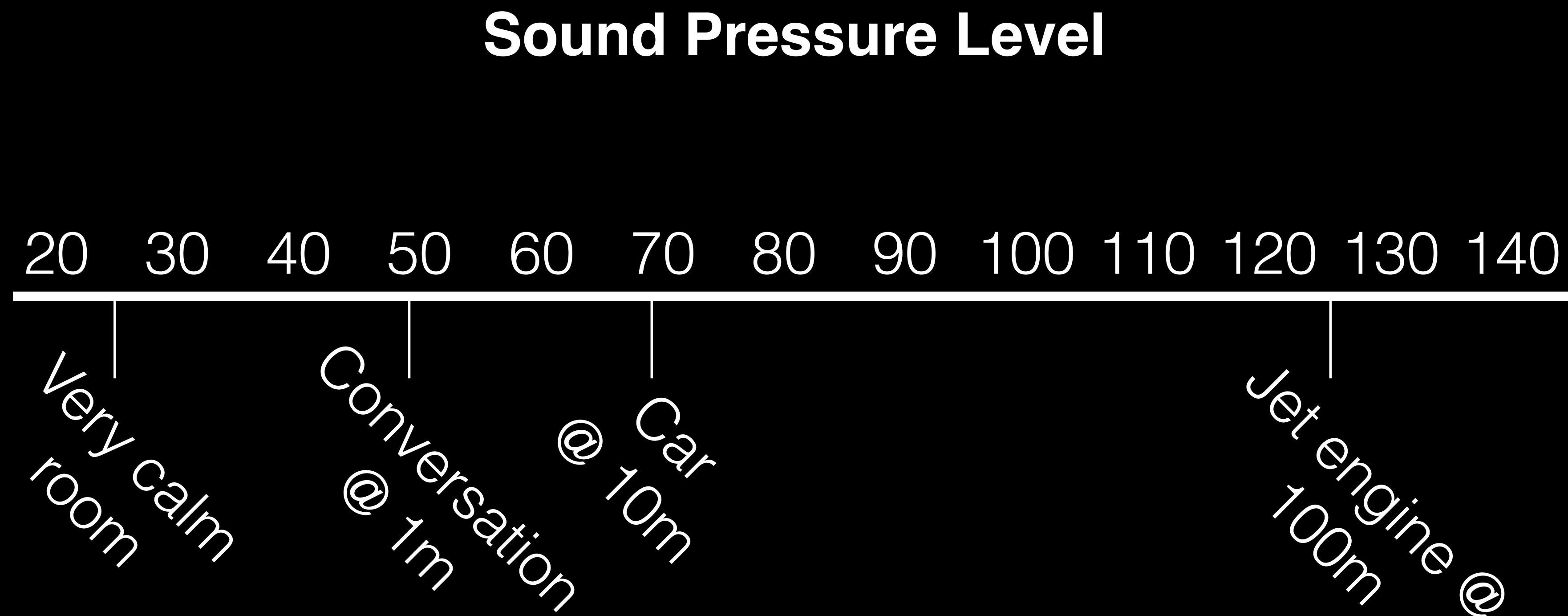
Moving home



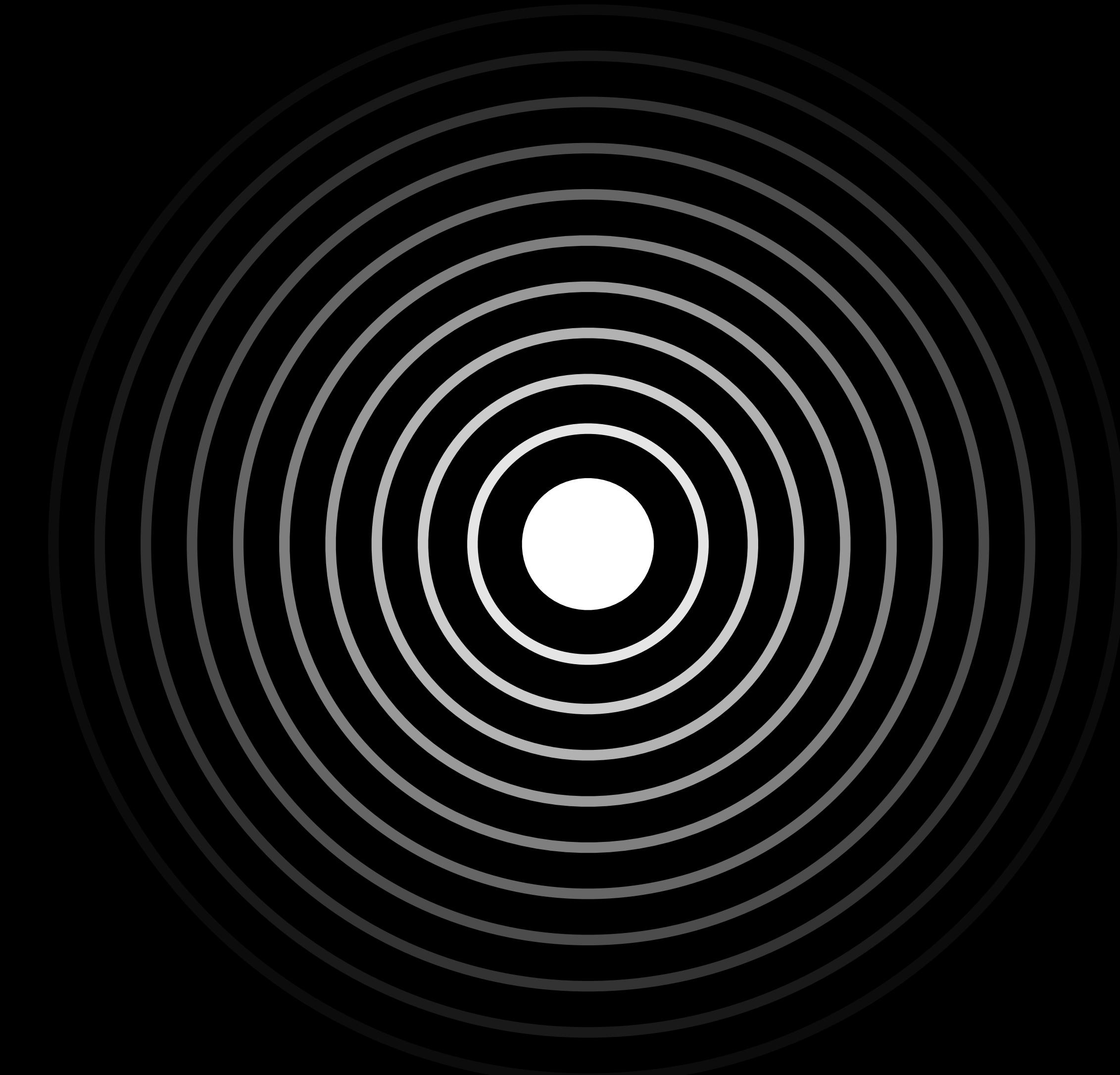
Where Are The Planes?



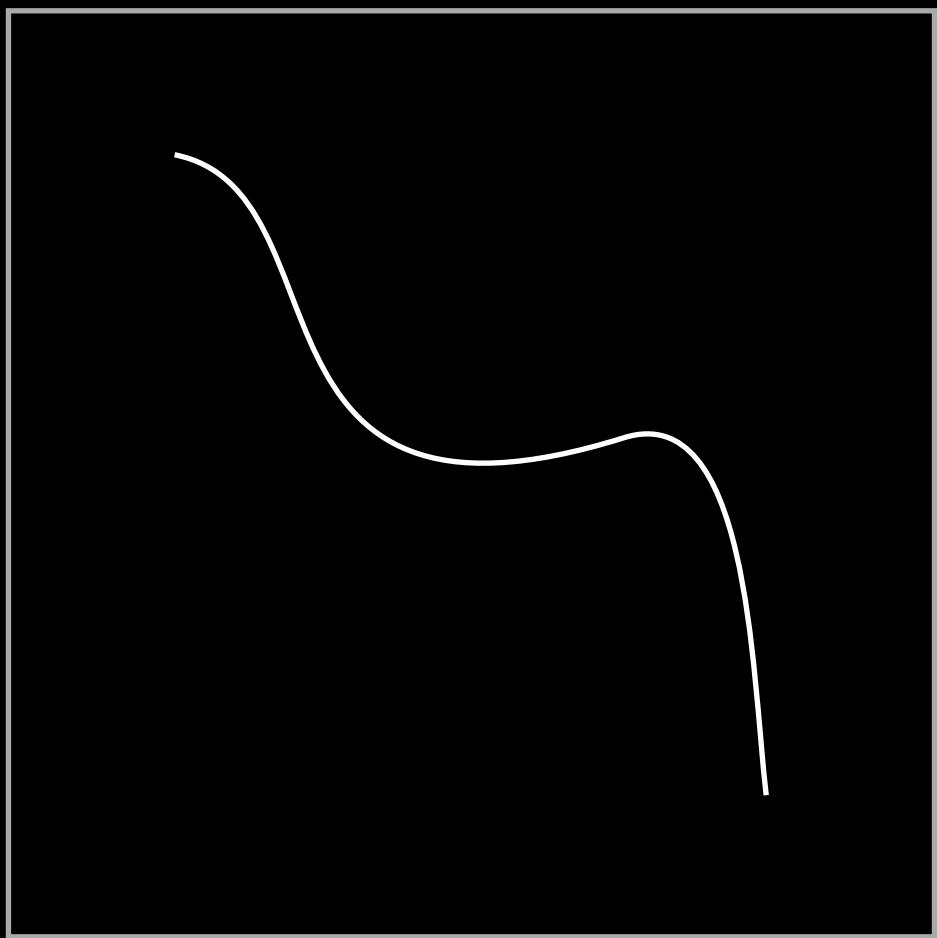
How loud is a plane?



Spreading & Absorption

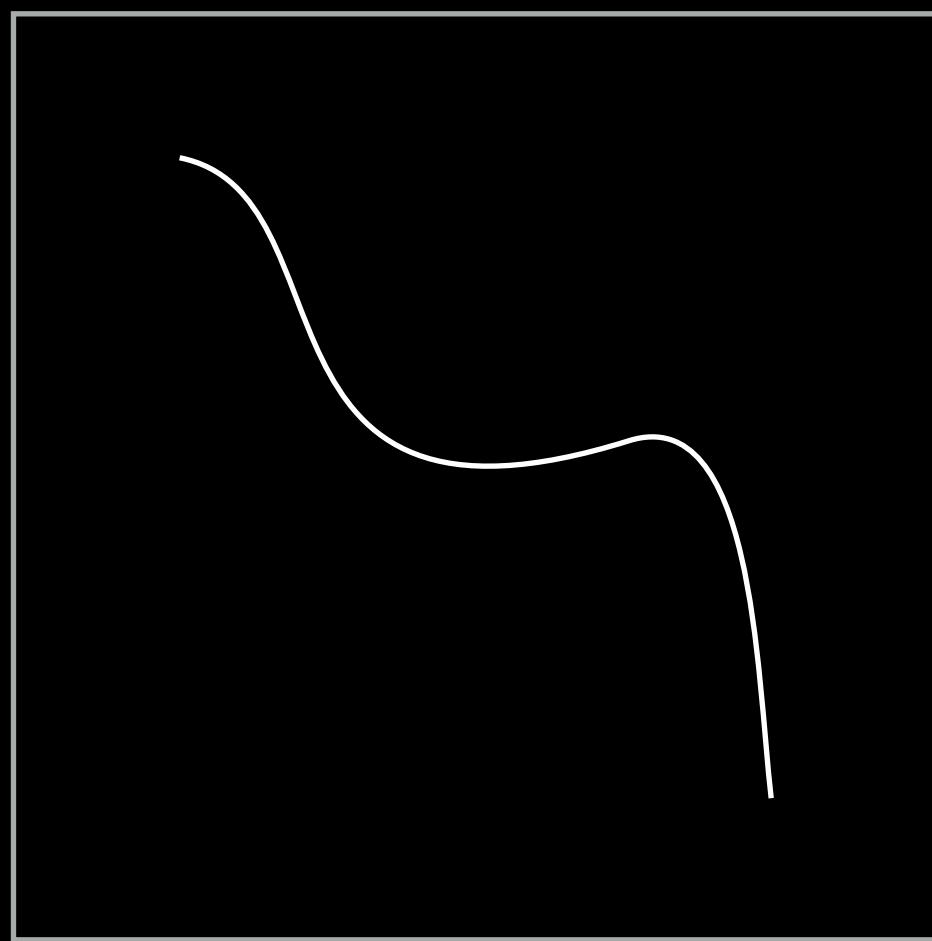


Put it together and what have
you got?

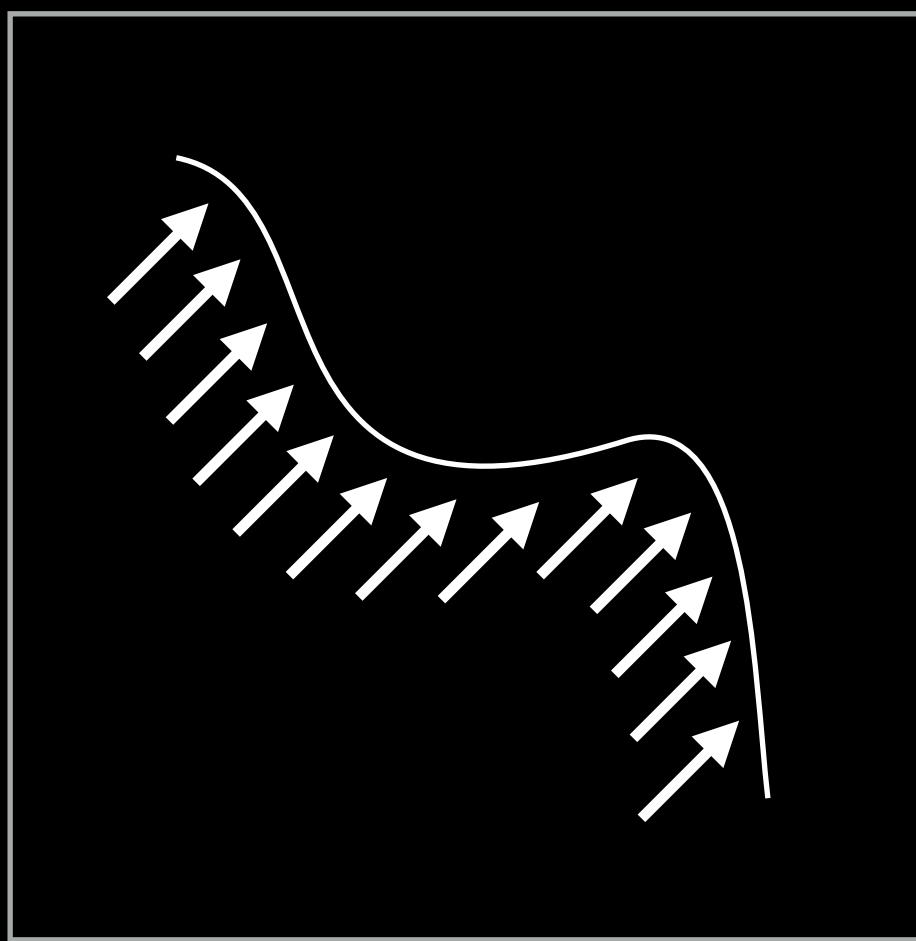


Flight tracks

Put it together and what have you got?

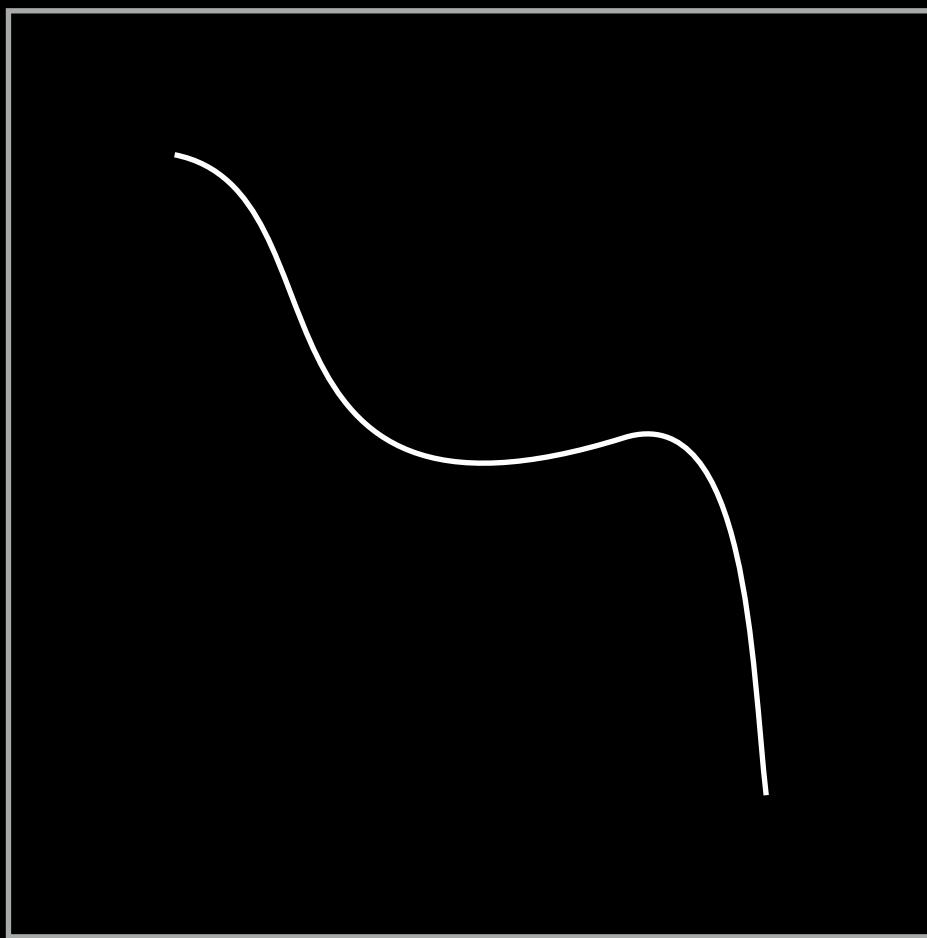


Flight tracks

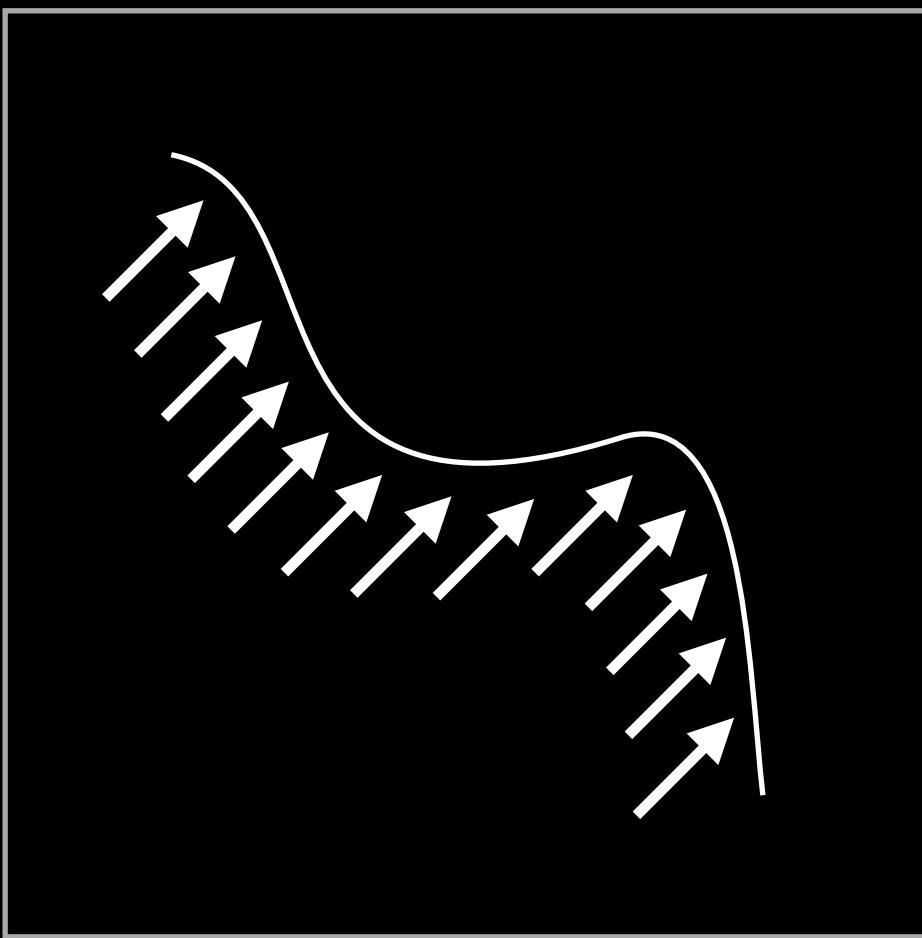


Distance field

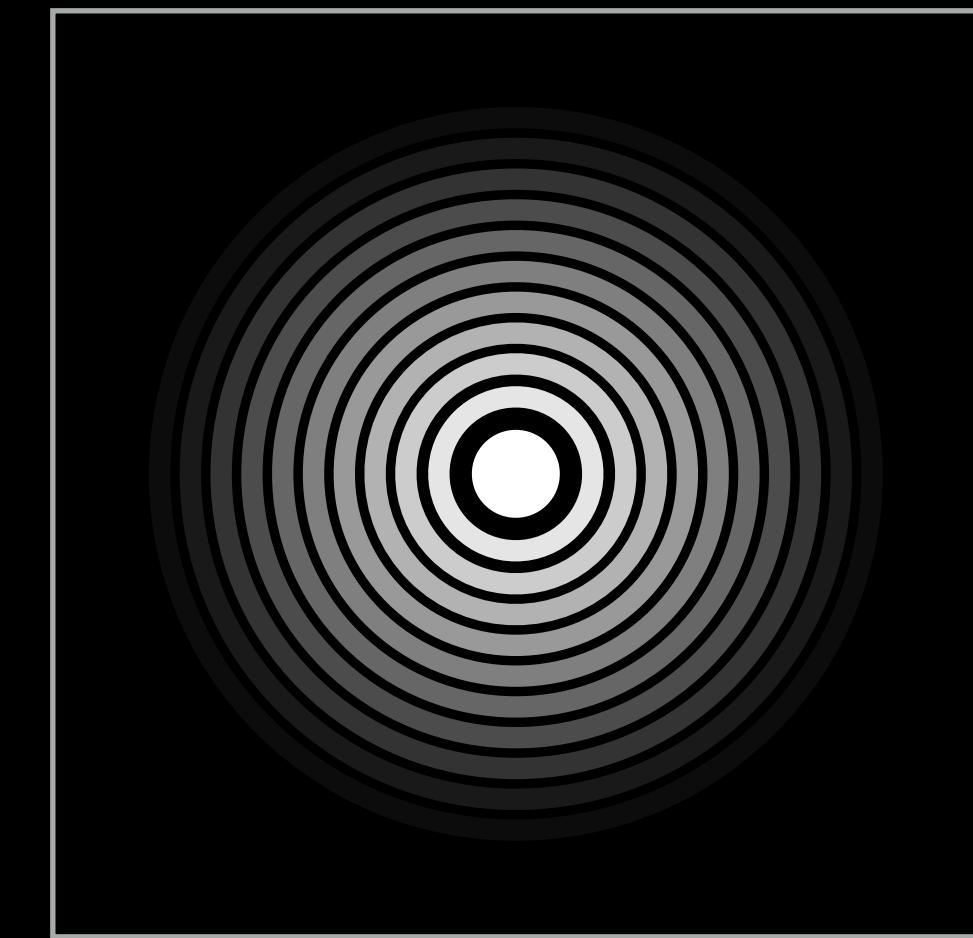
Put it together and what have you got?



Flight tracks

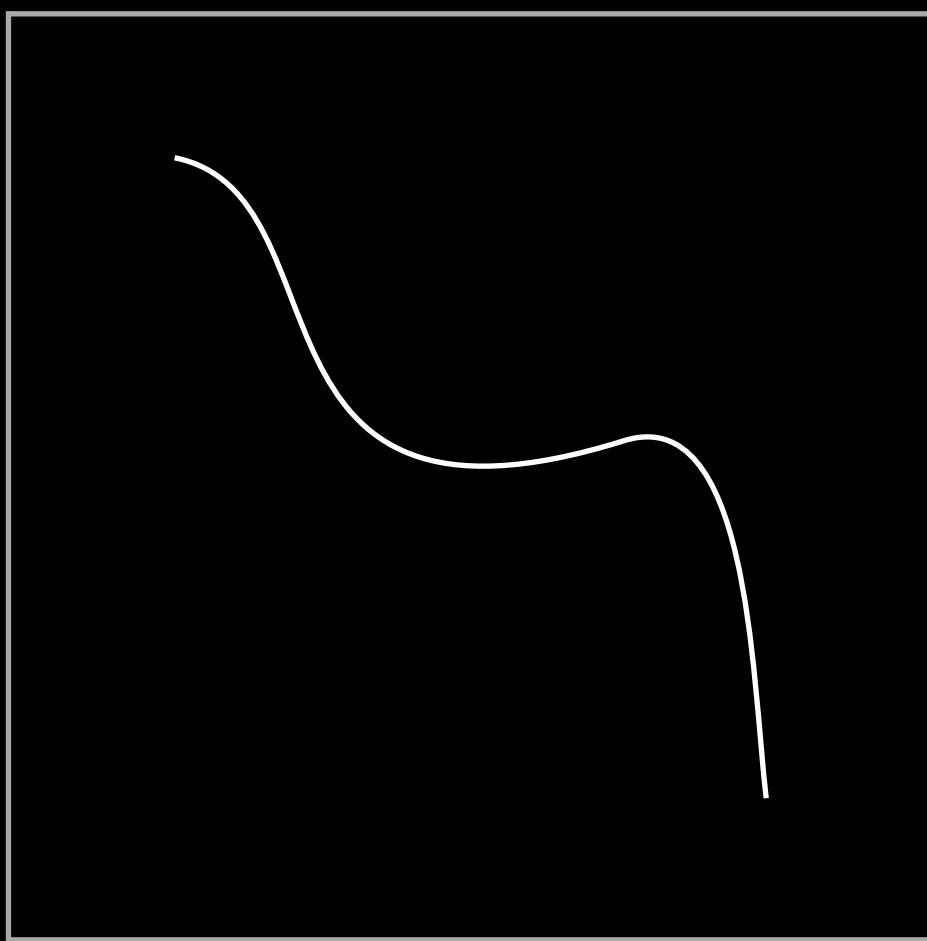


Distance field

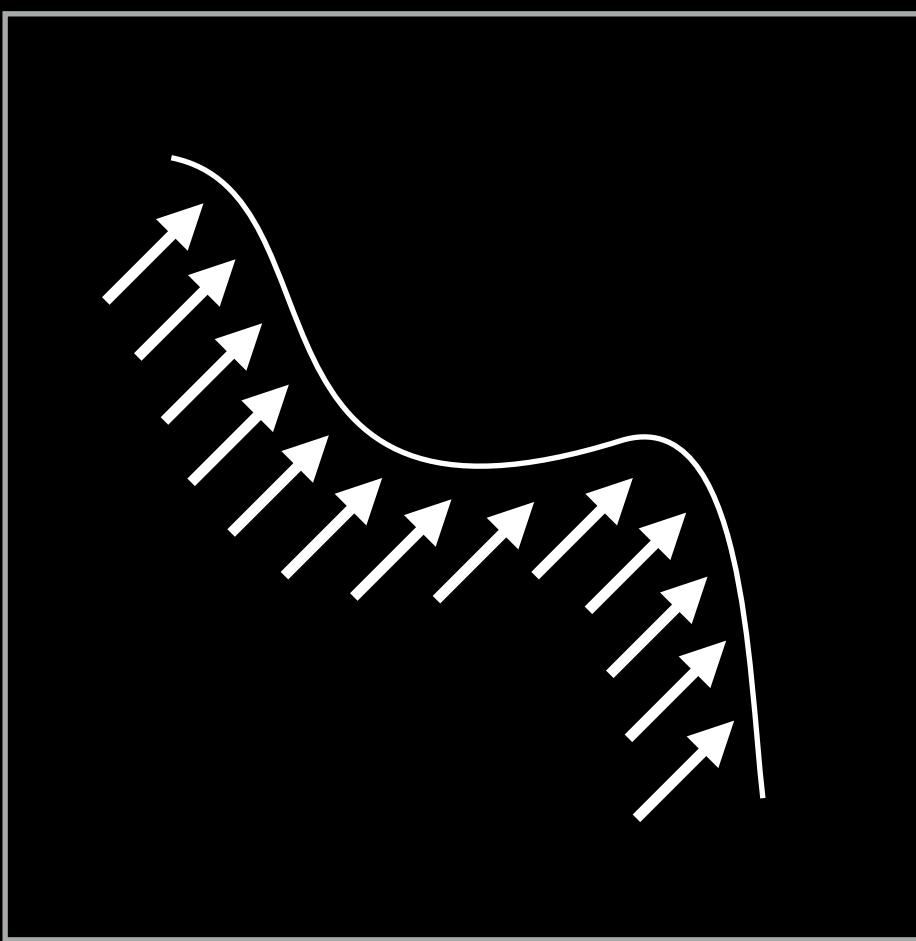


Sound model

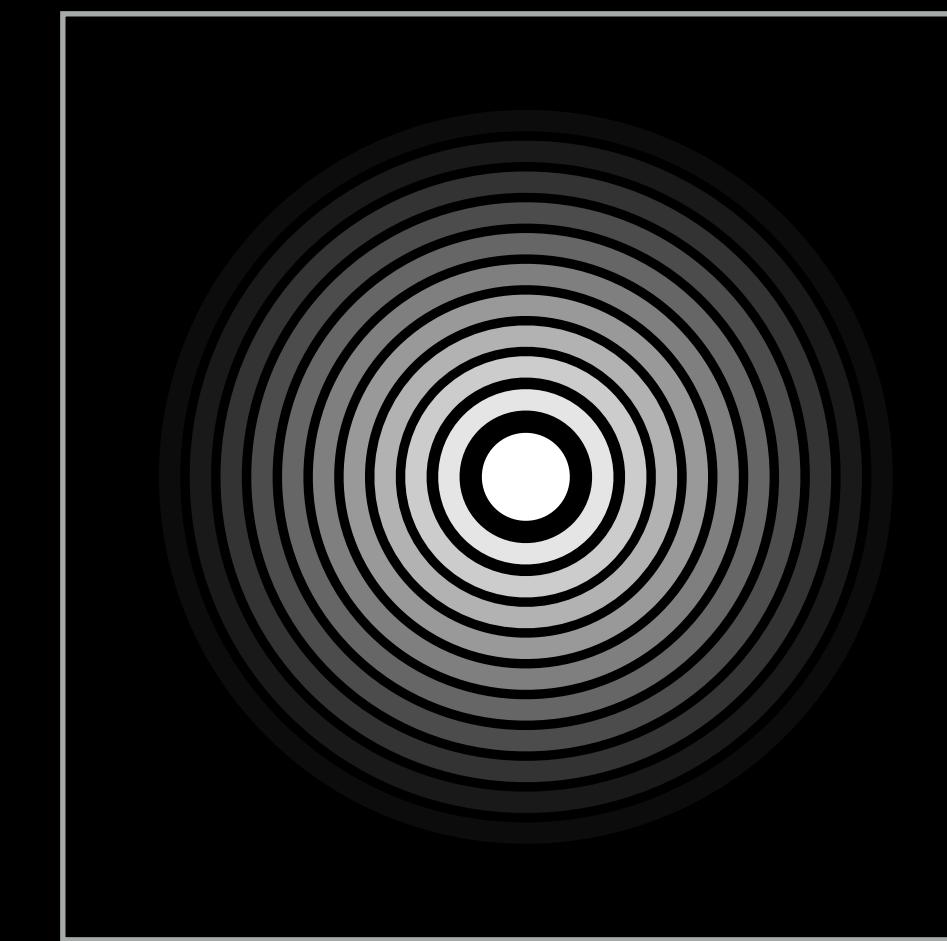
Put it together and what have you got?



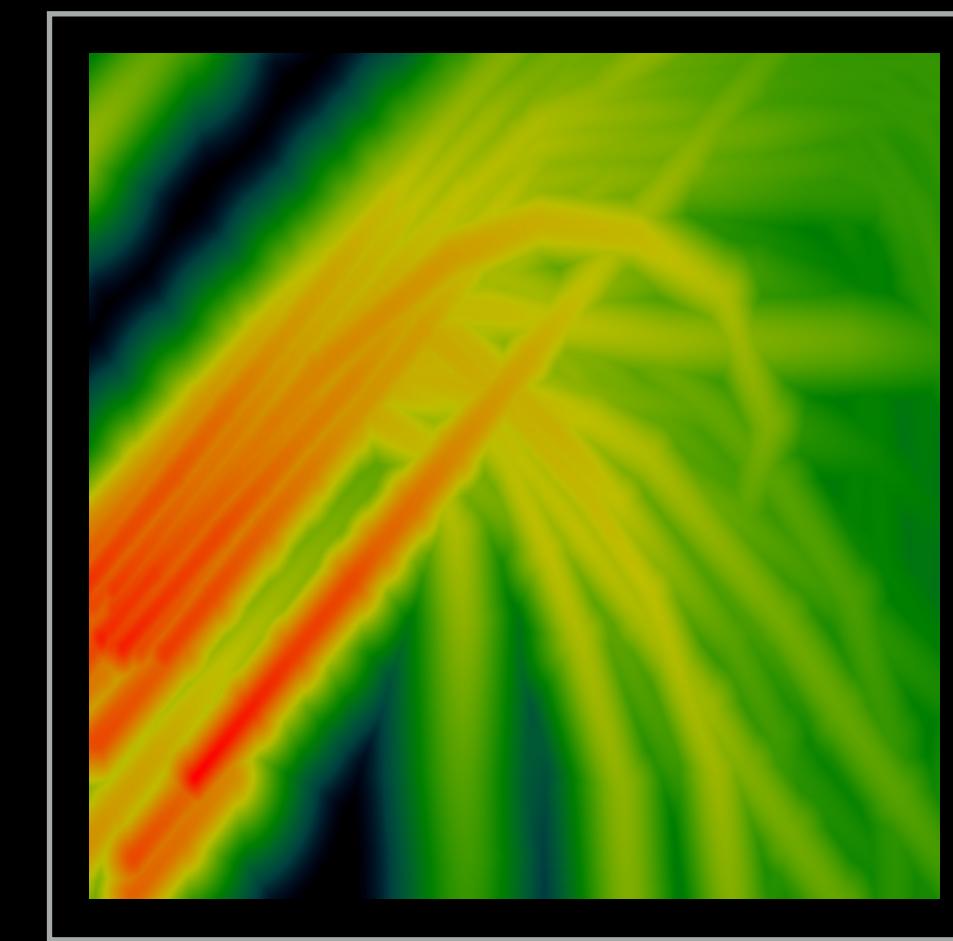
Flight tracks



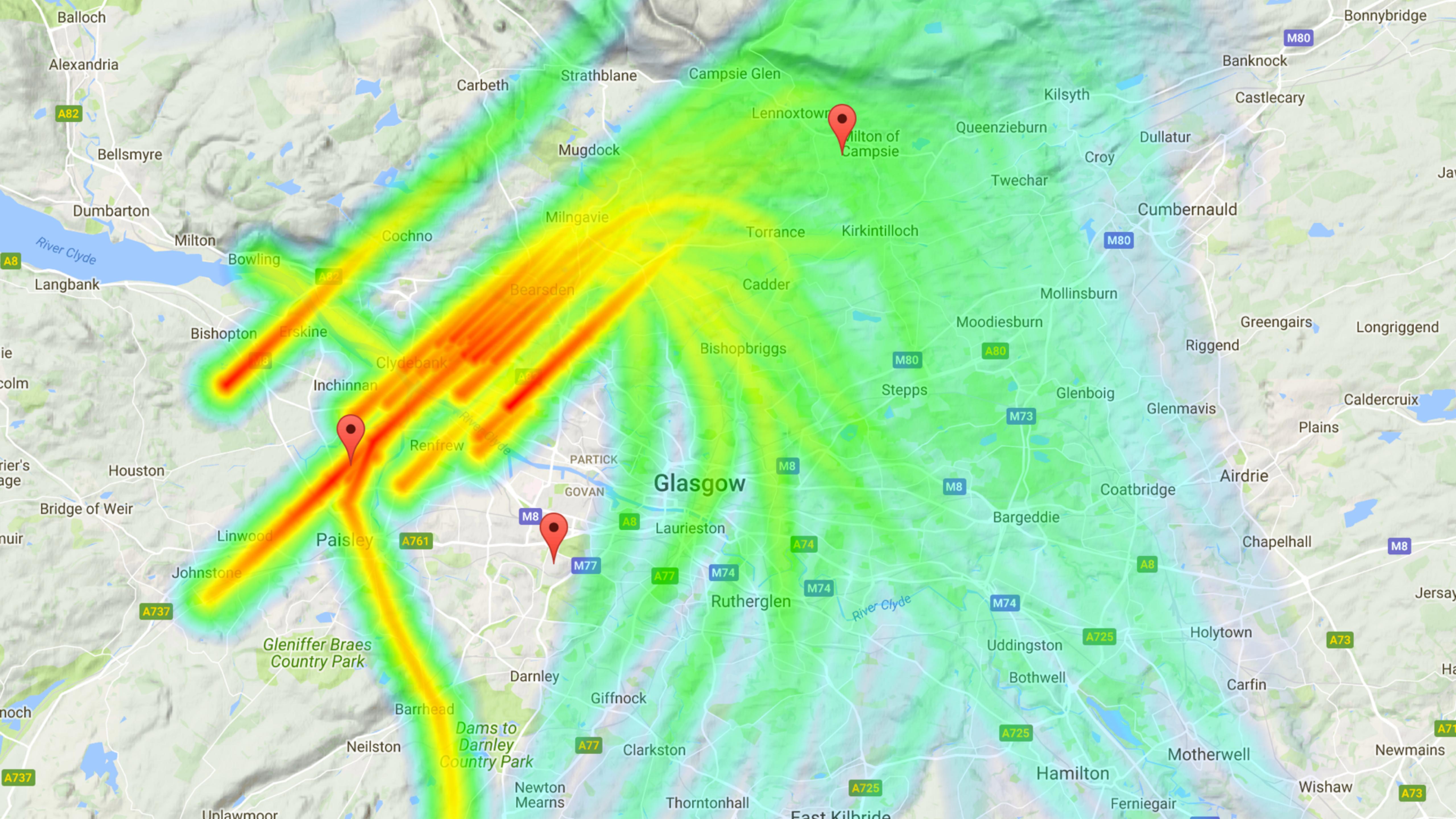
Distance field



Sound model



Heat map!



Thanks!

ADS-B

Acoustic Propagation

Google Maps JS API

Spherical coordinates

Heat maps

dB scale

Sound Pressure Level

github.com/ewandennis/ConTrails