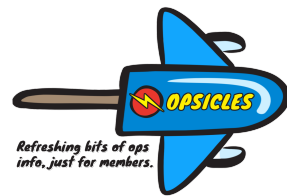
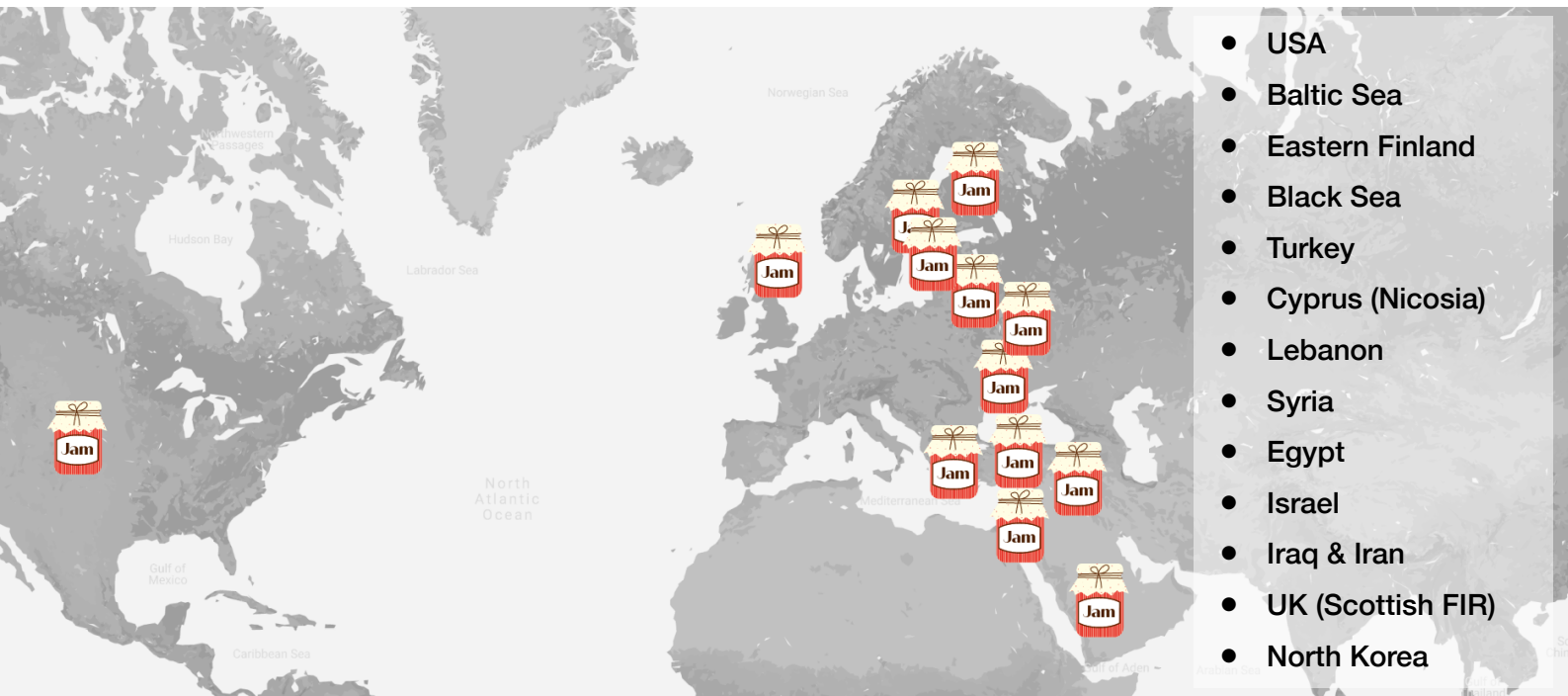


GPS JAMMING.



Where it happens. Why it happens. What it does.
What to do about it.

Where it happens.



- USA
- Baltic Sea
- Eastern Finland
- Black Sea
- Turkey
- Cyprus (Nicosia)
- Lebanon
- Syria
- Egypt
- Israel
- Iraq & Iran
- UK (Scottish FIR)
- North Korea

Why it happens.

- **Military GPS Interference Testing:** The USA Military often carry out GPS interference testing. It can impact large areas and affect civilian aircraft.
- **Conflict Zone Jamming:** Jamming around major military sites and at international airports to prevent drone incursions and attacks.

What happens.

- Unusual **weather radar** returns.
- Loss of **GPS Primary** / Loss of **Navigation Accuracy**.
- **Instrument Display** Issues (map shift).
- Causes **loss** of ADS-B

What it does.

- Limits **RNAV** ability (without basic Navaid backup).
- Some **airspace** (UAE) requires at least 1 GPS system.
- Causes **unreliable** GPWS, terrain and windshear warnings.
- ATC might not be able to **track you** (no ADS-B)

What to do about it.

- **Monitor** during flight
- **Report** to ATC
- **Plan** for a non-RNAV approach where possible
- **Brief** for failures if an RNAV approach is expected
- **Ensure alternate** or alternative runway with ILS or conventional Nav-aid approach is available
- **Continue** to monitor GPS and Nav accuracy
- **Check Notams** and TFRs which report tests
- **Be aware** of known hotspots

What else to read.

- [GPS Jamming: All the Wrong Signals](#)
- [GPS Outages: The Hotspots](#)
- [GPS U/S in the US](#)