

# Aero Navigator

Version 0.1.0

A Navigation Log, developed to replace multiple pages of notes and provide a succinct template to manage all the information needed as a Cross Country Pilot!

## Getting Started

A simple, bare-bones navigation sheet will look like this.

```
#import "@preview/aero-navigator:0.1.0": *
```

```
#show: aero-navigator
```

### Nav Log

Callsign	Type	Sartime	Departure Airport
DEPARTURE TIME	FORECAST	NOTAM	W & B
ETD	ATD	GAFS	TAFS
	GPWT	Location FIR	Head
		WGT KG	CG %

NAV LOG												
POSN	FL/ALT	TAS	TR(M)	Wind	HDG(M)	G/S	DIST	ETI	EET	PLN EST	REV EST	ATA ATD

Fuel Track			Frequencies			Fuel		
At	Left (min)	Right (min)	At	Com 1	Com 2	FUEL	MIN	LITRES
( )						TAXI		
( )						TRIP*		
( )						V RESERVE		
( )						ALTERNATE		
( )						F RESERVE		
( )						HOLDING		
( )						REQUIRED		
( )						MARGIN		
( )						ENDURANCE		

Aerodrome	Elev	CTAF	AMIS

Field Layout	Pilot Notes

Divert						
POSN	ALT	HDG (M)	DIST	ETI	EST	ATD

## Usage

This template is very flexible and can be used in a number of ways.

```
#import "@preview/aero-navigator:0.1.0": *
```

```
#show: aero-navigator.with(  
  aircraft: "both",  
  callsign: "24-8569",  
  type: "SLG2",  
  departure: "YHEC",  
  variant: "2",  
  lines: false,  
  waypoint: false,  
  waypoints: "",  
  fixes: []  
)
```

You can define a waypoints using a json object such as:

```
#import "@preview/aero-navigator:0.1.0": *

#show: aero-navigator.with(
  aircraft: "both",
  callsign: "24-8569",
  type: "SLG2",
  departure: "YHEC",
  variant: "2",
  lines: false,
  waypoint: true,
  waypoints: "./waypoints.json",
  fixes: []
)

[
  {
    "Waypoint": "Wyaralong Lake",
    "Image": "./examples/waypoint/wyaralong.jpg"
  },
  {
    "Waypoint": "Spicers Peak",
    "Image": "./examples/waypoint/before_ywck.jpg"
  },
  {
    "Waypoint": "Warrick",
    "Image": "./examples/waypoint/ywck.jpg"
  },
  {
    "Waypoint": "Auburnvale",
    "Image": "./examples/waypoint/YMFA.jpg"
  },
  {
    "Waypoint": "Greenmount",
    "Image": "./examples/waypoint/ygmt.jpg"
  },
  {
    "Waypoint": "Bromleton",
    "Image": "./examples/waypoint/bml.jpg"
  }
]
```

Which will generate a table with the waypoint names and images - helpful for any hard to spot areas, or notes about specific locations. Additionally this could be used for noting airspace boundaries, or other important locations.