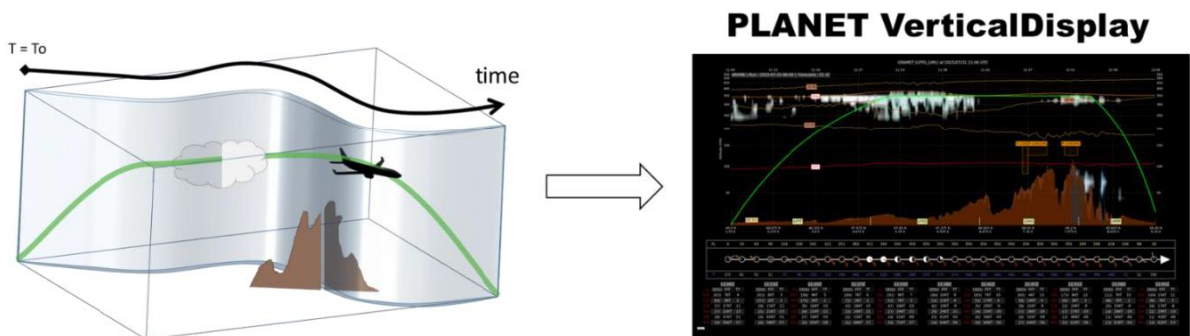


# PLANET

## VerticalDisplay



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## PLANET VerticalDisplay description

The Planet VerticalDisplay (PVD) is a tool for flight planning. It offers an easy-to-read view of the meteorological conditions an aircraft might be subjected to during a flight, such as the wind that will impact its fuel consumption, the clouds distribution and precipitation which relate to the risk of turbulence and lack of visibility.

It also provides useful aeronautical information that helps pilots visualize and plan their flight such as the terrain elevation which could affect the low altitude flights, and the flight information regions paired with the regulated airspaces that give geographical markers and help find one's way.

As the weather data output is a 4D cube grid, the PVD is quintessentially a spatiotemporal vertical cut of the weather and terrain altitude along a flight's path.

This aforementioned data comes from multiple sources:

- **Outputs from national weather forecast models** (AROME/ARPEGE, GFS)
- **Static geographical data** (the elevation and the FIR regions)
- **Standard weather products** (radar derived thunderstorm cells)

## PLANET VerticalDisplay url

The main page is available via the following url: <http://autan.atmosphere.aero:55555/maker>.



# Examples of PVDs in different themes

