



The Power of We™

“Let’s Fly” Series Montreal to Frankfurt

Data Science Technology

Python Program

Apps Intellect ⇨

===== Flight Plan start =====

```
Flight Path: route =
'ADEP/CYMX/06-
TAMKO-MATOR-DICEN-CHARLEVOIX-RIVIEREDULOUP-LOMSI-RESNO-NETKI
BELFAST-DUFFY-RINGA-SLYDA-ISLEOFMAN-KELLY-PENIL-ASNIP-MANCHESTER
DISAL-NAPEX-DOLAS-ENITO-DIBAL-BUKUT-LAMSO-EVELI-BASNO-PAMPUS-IVLUT-LUNIX
RENDI-EDUPO-NAPRO-DEPAD-AMOSU-MISGO-COLA-ROLIS
ADES/EDDF/25C'
WayPointsDatabase: file folder= C:\Users\Acer\Documents\workspace\Flight
Profile\src\Tests\..\Environment
WayPointsDatabase: file path= C:\Users\Acer\Documents\workspace\Flight
Profile\src\Environment\WayPoints.xls
AirportsDatabase: file folder= C:\Users\Acer\Documents\workspace\Flight
Profile\src\Tests\..\Environment
AirportsDatabase: file path= C:\Users\Acer\Documents\workspace\Flight
Profile\src\Environment\Airports.csv
RunWayDataBase: file folder= C:\Users\Acer\Documents\workspace\Flight
Profile\src\Tests\..\Environment
RunWayDataBase: file path= C:\Users\Acer\Documents\workspace\Flight
Profile\src\Environment\RunWays.xls
FlightPath: departure airport= Airport: Airport: CYMX - Canada - Montreal-Montreal
Intl Mirabel - lat= 45.68 degrees - long= -74.01 degrees - field elevation= 82.30 meters
FlightPath: departure runway= RunWay: runway= 06 airport ICAO code= CYMX
length= 12000.00 feet true heading= 45.40 degrees latitude= 45.67 degrees longitude=
-74.02 degrees
FlightPath: arrival airport= Airport: Airport: EDDF - Germany - Frankfurt-Frankfurt
Main - lat= 50.03 degrees - long= 8.54 degrees - field elevation= 110.95 meters
FlightPath: arrival runway= RunWay: runway= 25C airport ICAO code= EDDF
length= 13123.00 feet true heading= 249.60 degrees latitude= 50.05 degrees longitude=
8.59 degrees
```

Explanatory Notes:

- **Flight Plan:** Proposed Routes to Air Traffic Service Units
- **ADEP:** Departure Airport
- **CYMX:** 4 -Letter ICAO Airport code
- **06:** Departure Airport Runway
- **TAMKO-MATOR...:** Waypoints (Route)
- **ADES:** Arrival Airport
- **EDDF:** 4 - Letter ICAO Airport code
- **25C:** Arrival Airport Runway
- **Latitude:** Decimal Degrees, Usually to Six Significant Digits. Negative is South, Positive is North
- **Longitude:** Decimal Degrees, Usually to Six Significant Digits. Negative is West, Positive is East
- **Field Elevation:** Airport Height Above Sea Level (Meters)
- **Heading:** Direction of an Aircraft is Pointing Towards (Degrees)
- **True Heading:** True North (Directly over the Earth's Axis)