# X-PLANE LIVE FLIGHT SIMULATION IN NATS

**Steps to run simulation:**

1. Configure XPlane application to output trajectory data
In [Settings] --> [Data Output]
Please select the following data fields(by checking the column of [Disk(data.txt file)]) to be output:

- Times
- Speeds
- Pitch, roll, & headings
- Latitude, longitude, & altitude



2. Start NATS Server.
3. Run Python module X-Plane_NATS_Integration_Client_beta1.5.py. This reads data output from X-Plane and sends it to NATS Server for simulation. The output trajectory CSV would contain the results.

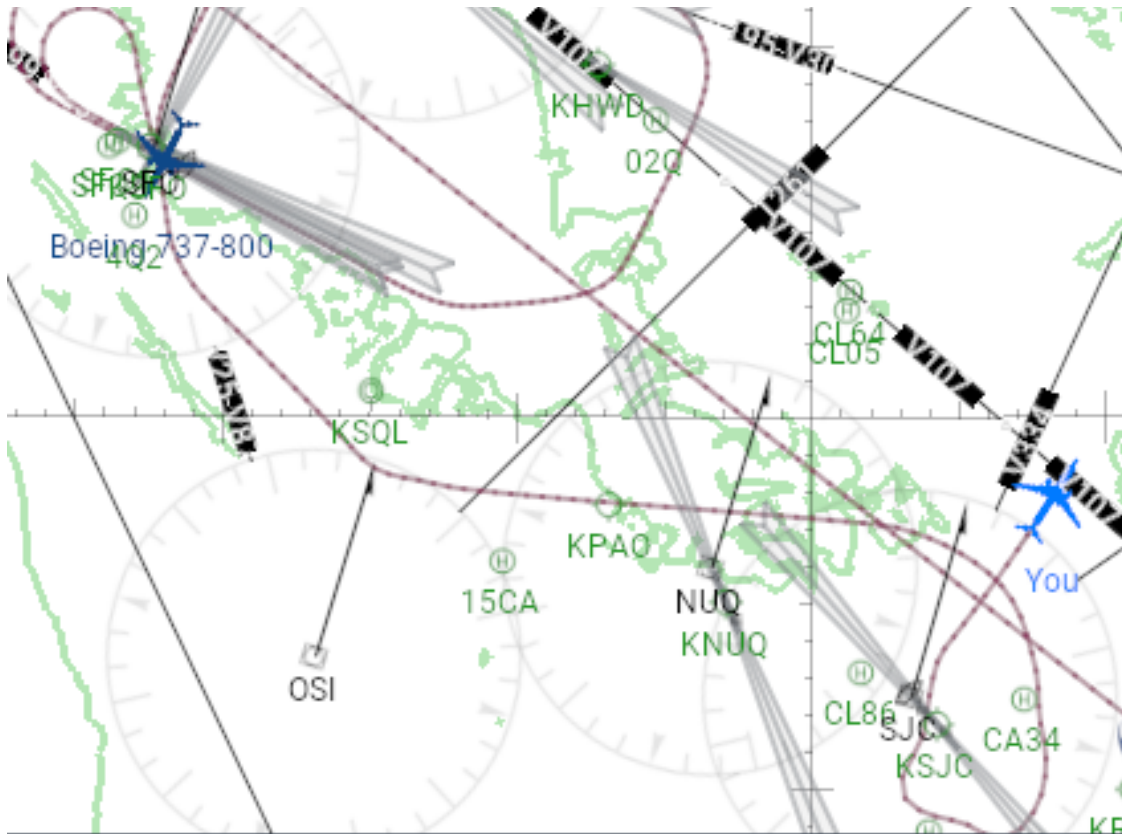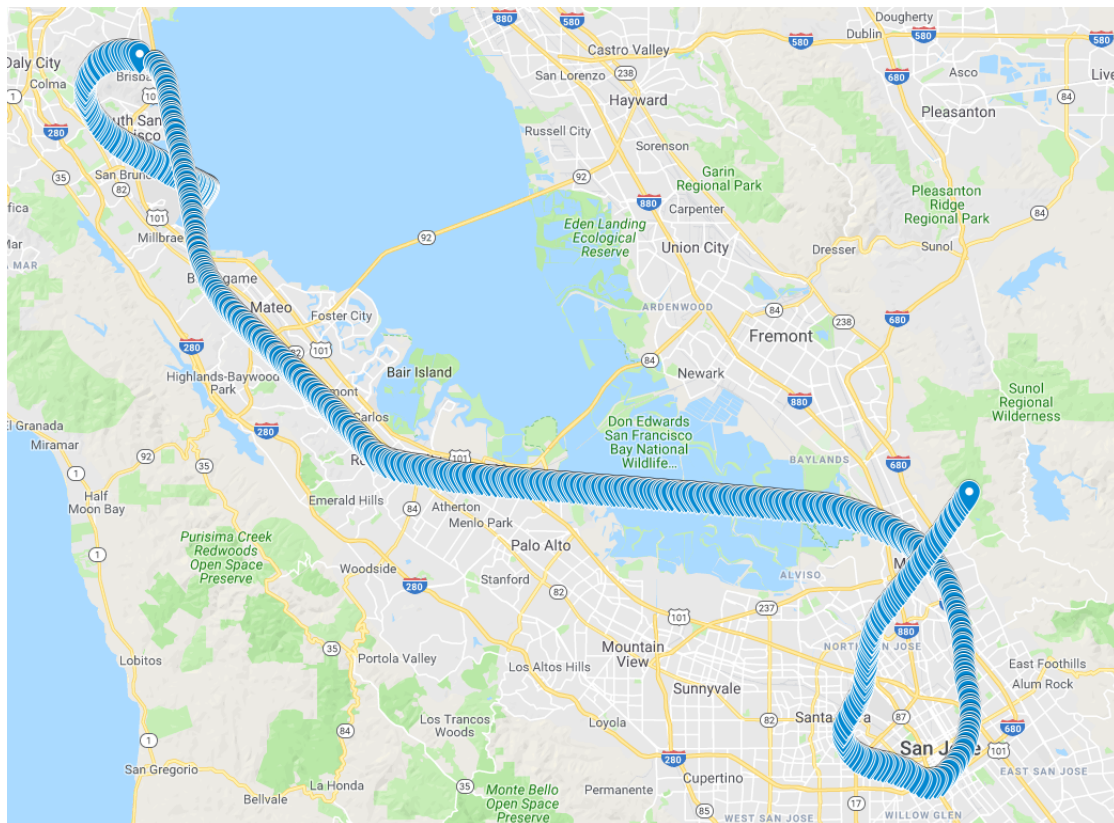# Integrated Real Time Simulation with NATS and X-Plane


*Illustration 1: X-Plane Simulation Trajectory*


*Illustration 2: NATS Simulation Trajectory*