

Recover Mission Simulation Report

Route: KSZT KSAN | Distance: 934.4 NM | Bearing: 182.0

Generated: 2025-11-25 17:07

Airports

Departure

ICAO: KSZT

Lat: 48.2995 Lon: -116.5600

Route Distance: 934.4 NM

Arrival

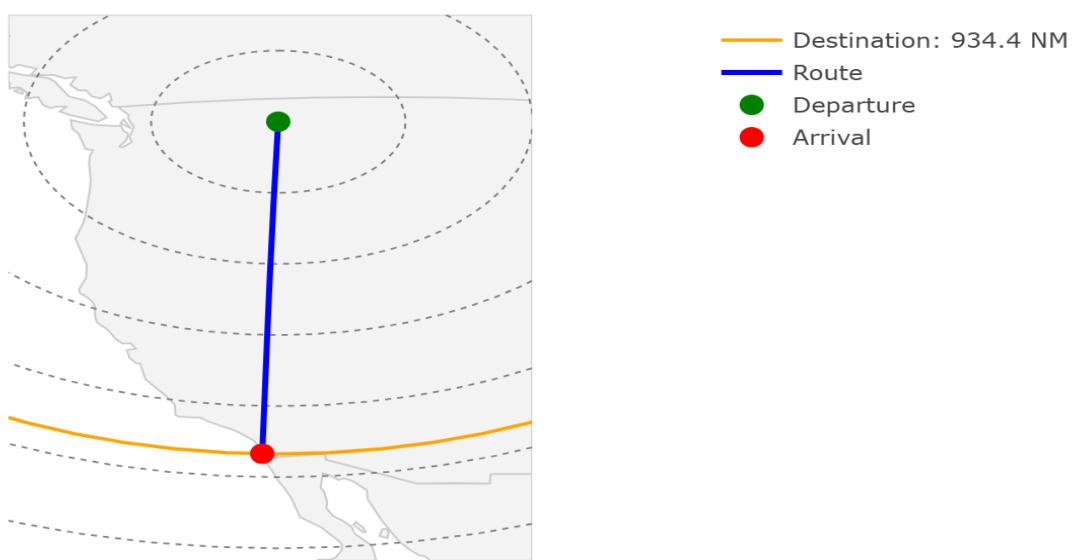
ICAO: KSAN

Lat: 32.7336 Lon: -117.1900

Route Bearing: 182.0°

Flight Route Map

Flight Route



Tamarack

Takeoff

Takeoff Start Weight (lb): 10319

Takeoff End Weight (lb): 10308

Takeoff Roll Dist (ft): 1092

Dist to 35 ft (ft): 1324

Segment 1 Gradient (%): 28.3

Dist to 400 ft (ft): 8893

Segment 2 Gradient (%): 27.4

Dist to 1500 ft (ft): 10455

Segment 3 Gradient (%): 27.27

Fuel Remaining After Takeoff (lb): 3329

Takeoff V-Speeds:

Weight: 10308

VR: 90.1

V1: 94.4

V2: 103.0

V3: 111.6

Climb

Climb Start Weight (lb): 10308

Climb End Weight (lb): 9644

Climb Time (min): 36

Climb Dist (NM): 158

Climb Fuel (lb): 674

Fuel Remaining After Climb (lb): 2676

Flatwing

Takeoff

Takeoff Start Weight (lb): 10240

Takeoff End Weight (lb): 10229

Takeoff Roll Dist (ft): 1178

Dist to 35 ft (ft): 1420

Segment 1 Gradient (%): 26.47

Dist to 400 ft (ft): 9470

Segment 2 Gradient (%): 25.58

Dist to 1500 ft (ft): 11279

Segment 3 Gradient (%): 25.64

Fuel Remaining After Takeoff (lb): 3329

Takeoff V-Speeds:

Weight: 10229

VR: 93.9

V1: 98.4

V2: 107.3

V3: 116.3

Climb

Climb Start Weight (lb): 10229

Climb End Weight (lb): 9569

Climb Time (min): 33

Climb Dist (NM): 152

Climb Fuel (lb): 670

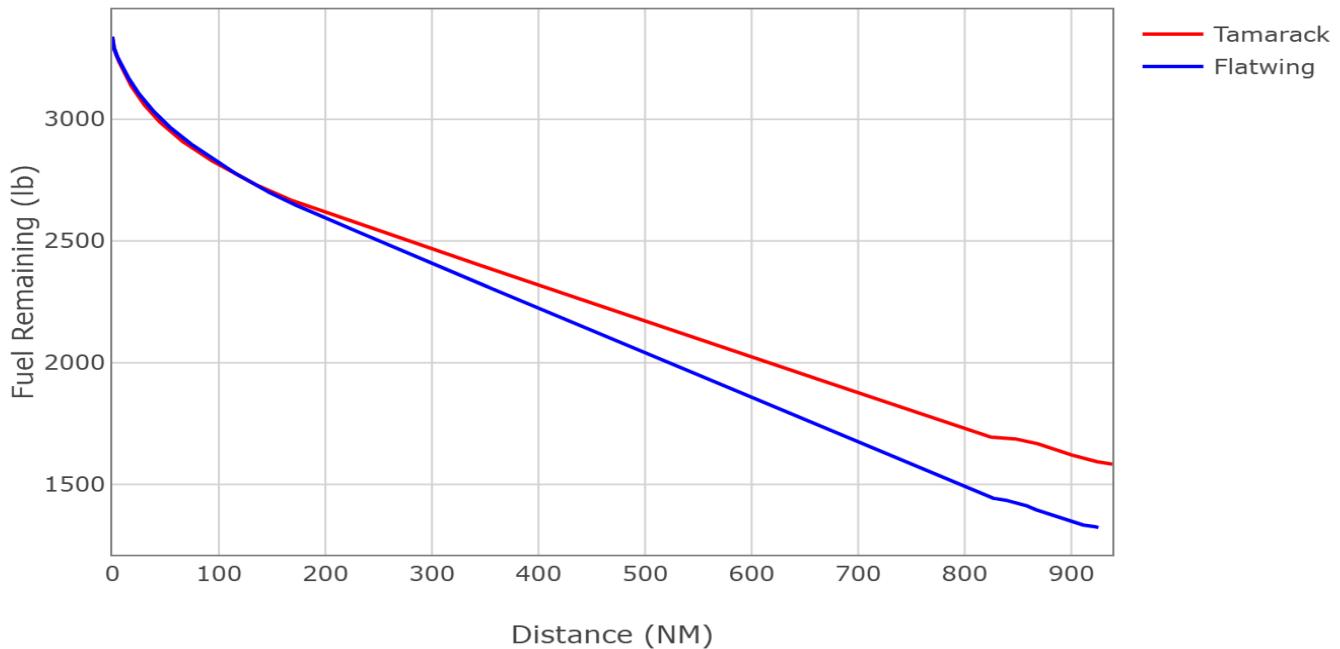
Fuel Remaining After Climb (lb): 2680

Hourly Fuel Burn (lb)

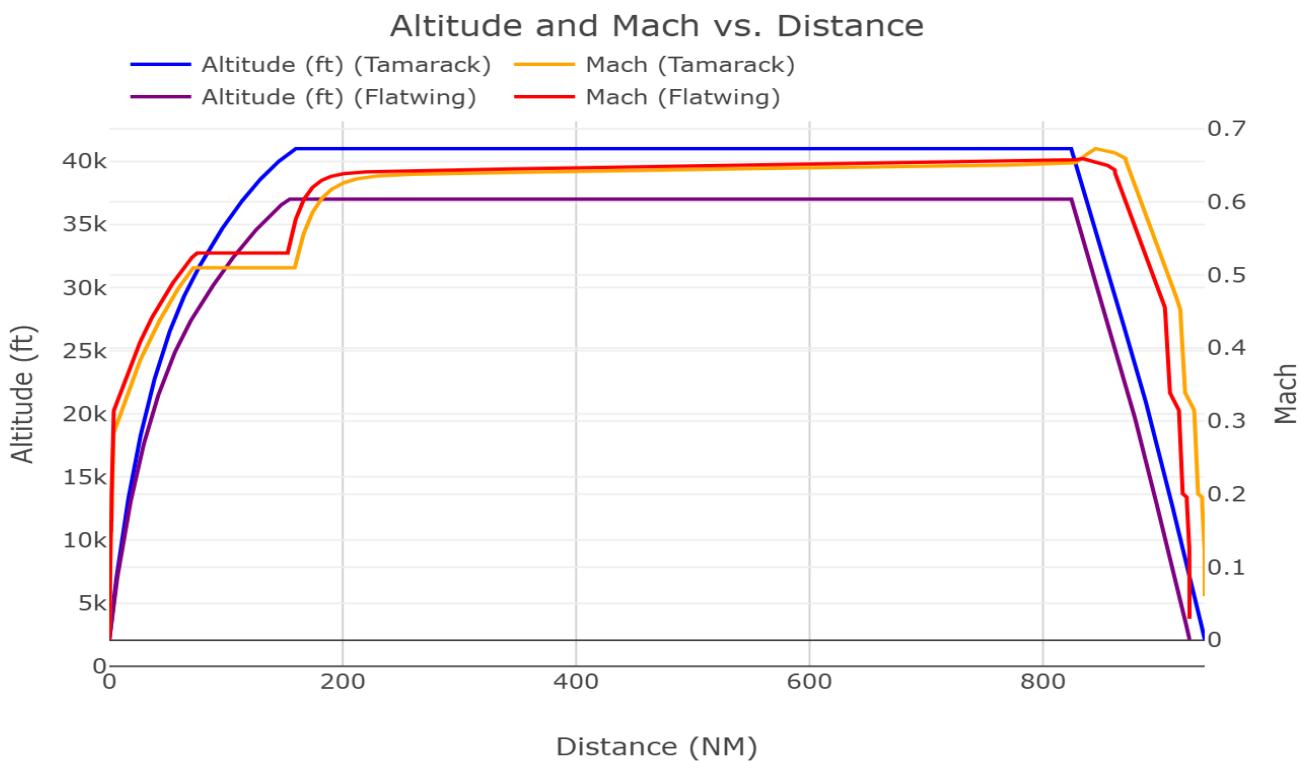
Hour	Tamarack (lb)	Flatwing (lb)
1	895	985
2	561	705
3	348	381

Fuel Remaining vs. Distance

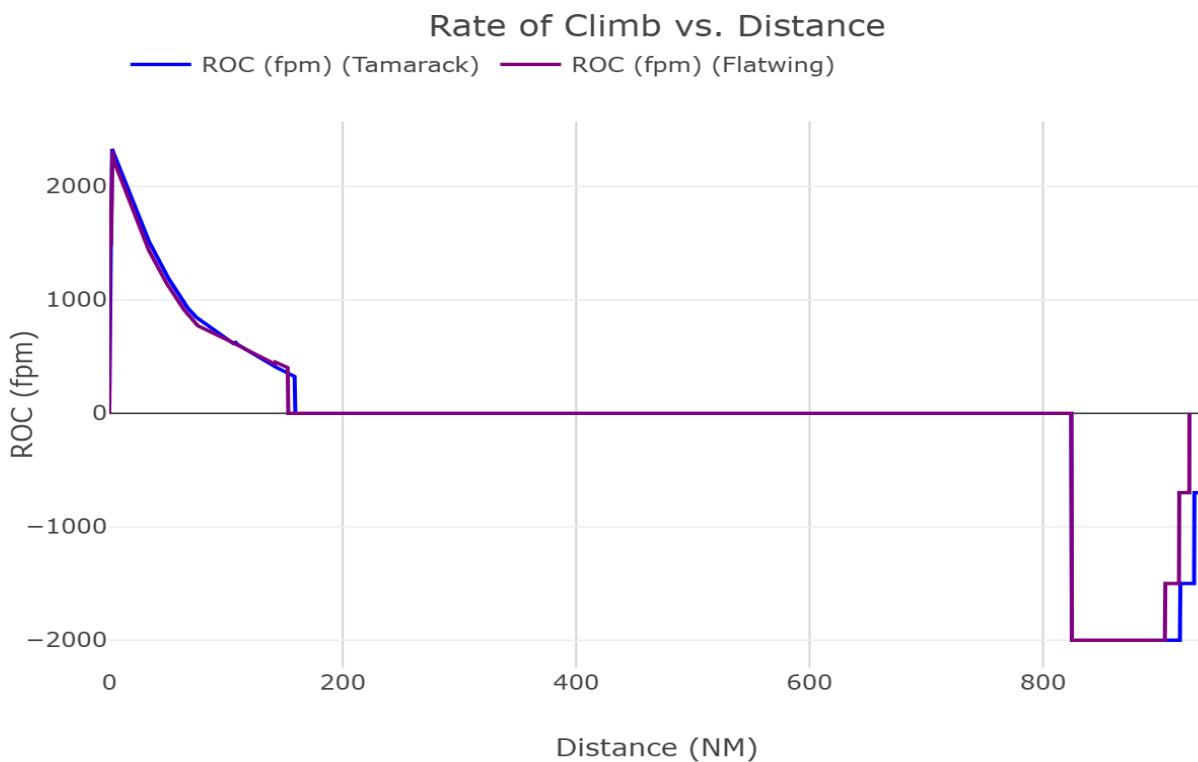
Fuel Remaining vs Distance - Comparison



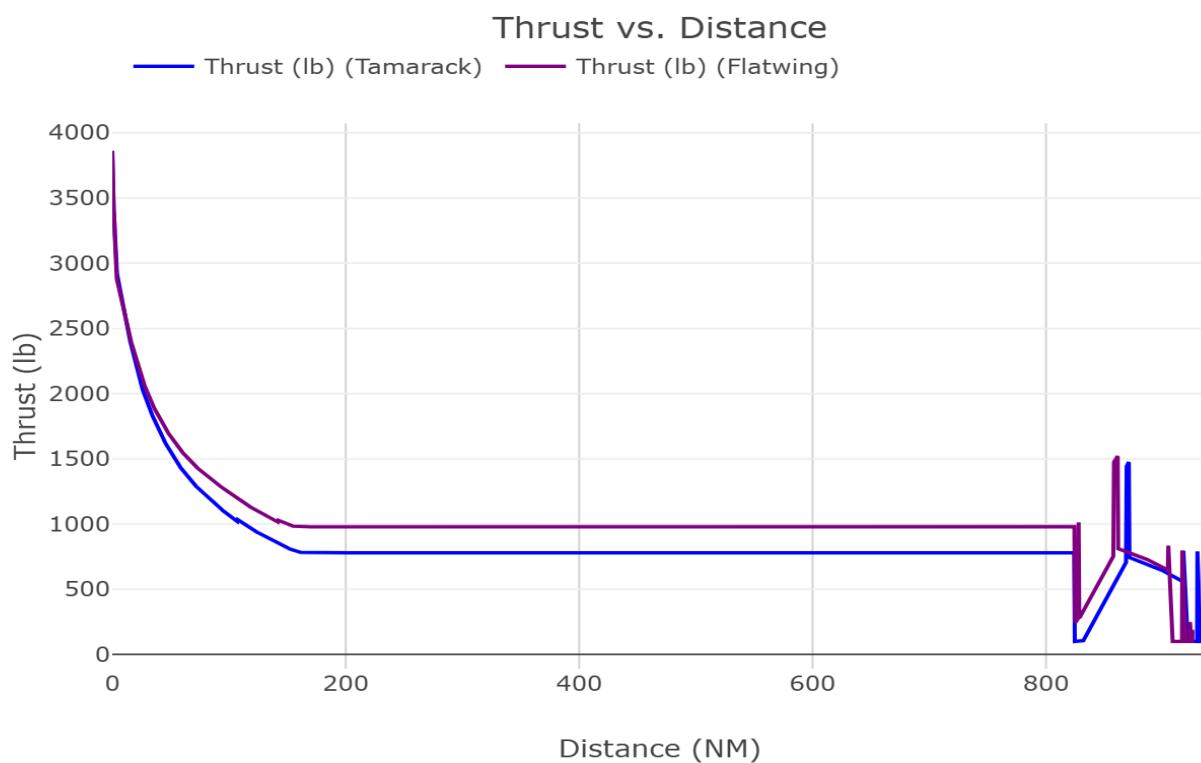
Altitude and Mach vs. Distance



Rate of Climb vs. Distance



Thrust vs. Distance



Drag vs. Distance

