

# 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

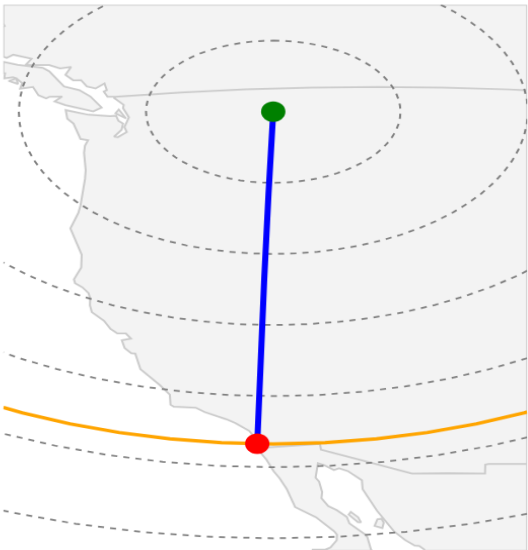
ICAO: KSAN

Lat: 32.7336 Lon: -117.1900

Route Bearing: 182.0°

## Flight Route Map

Flight Route



- Destination: 934.4 NM
- Route
- Departure
- Arrival

## 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

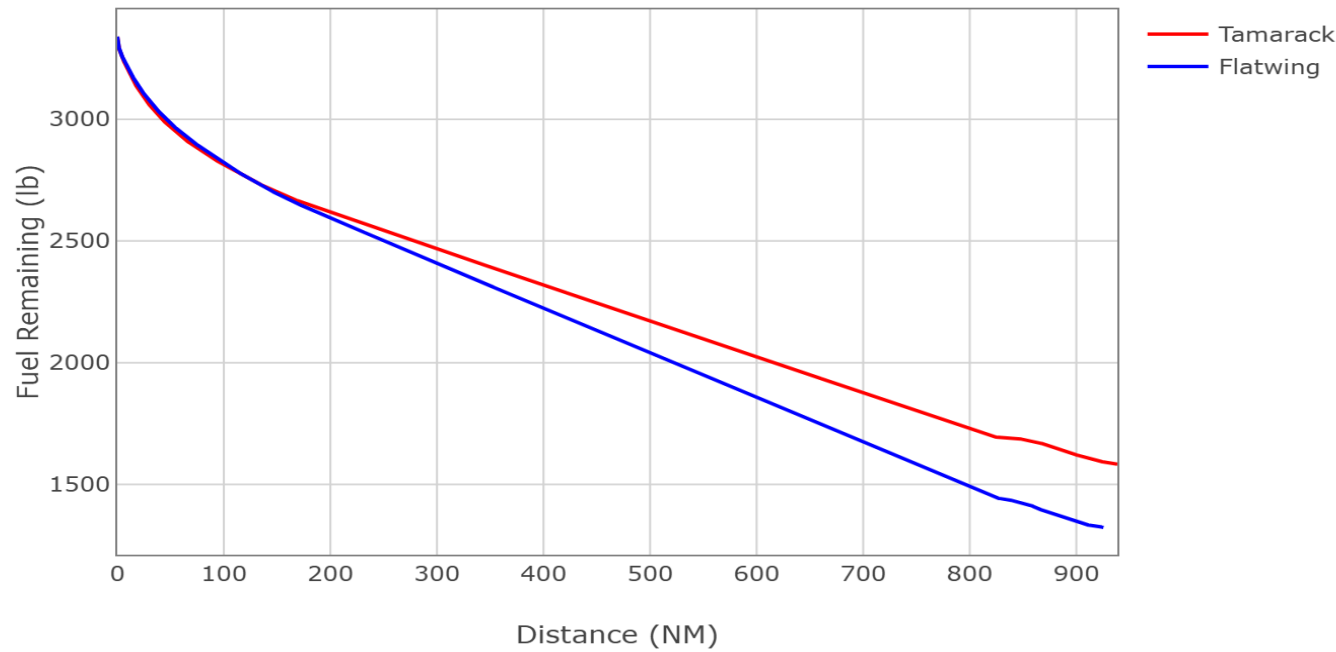
- Climb Start Weight (lb): 10229
- Climb End Weight (lb): 9569
- Climb Time (min): 33
- Climb Dist (NM): 152
- Climb Fuel (lb): 670
- Fuel Remaining After Climb (lb): 2680

Hourly Fuel Burn (lb)

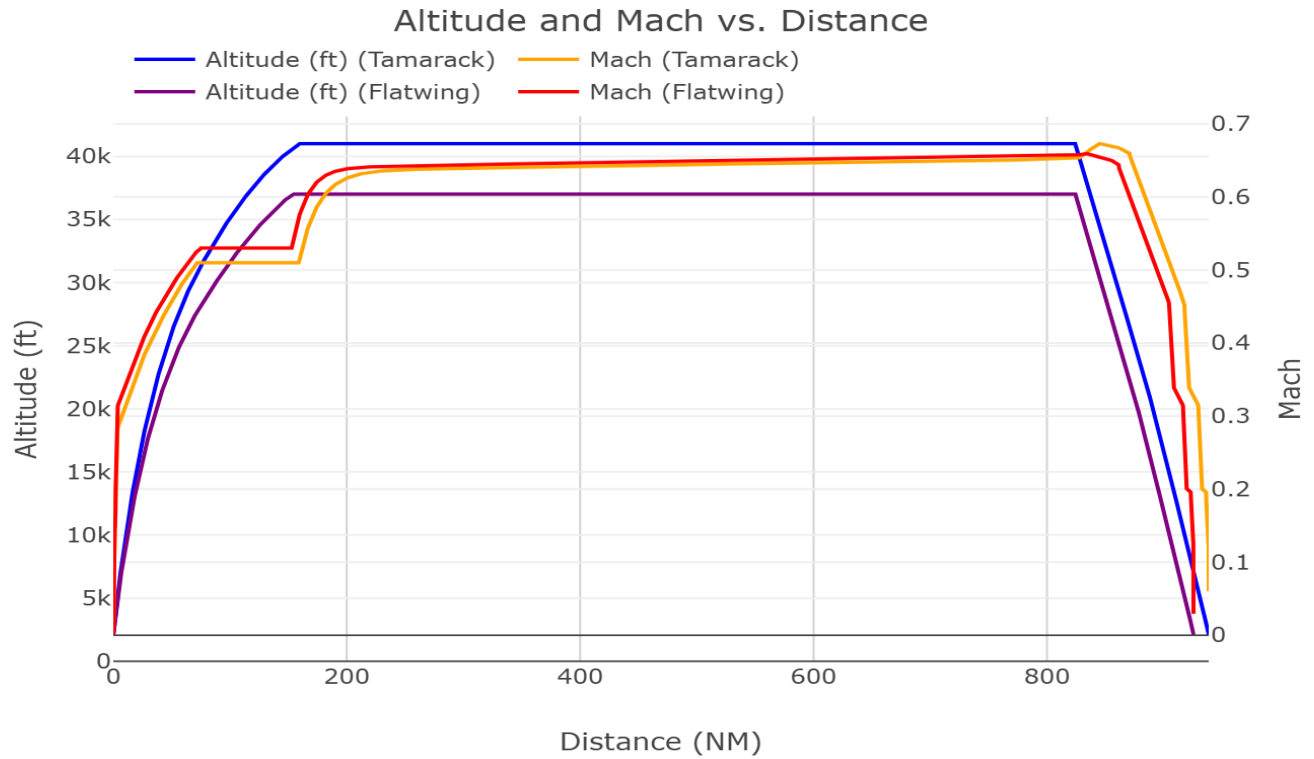
Hour	Tamarack (lb)	Flatwing (lb)
1	895	985
2	561	705
3	348	381

Fuel Remaining vs. Distance

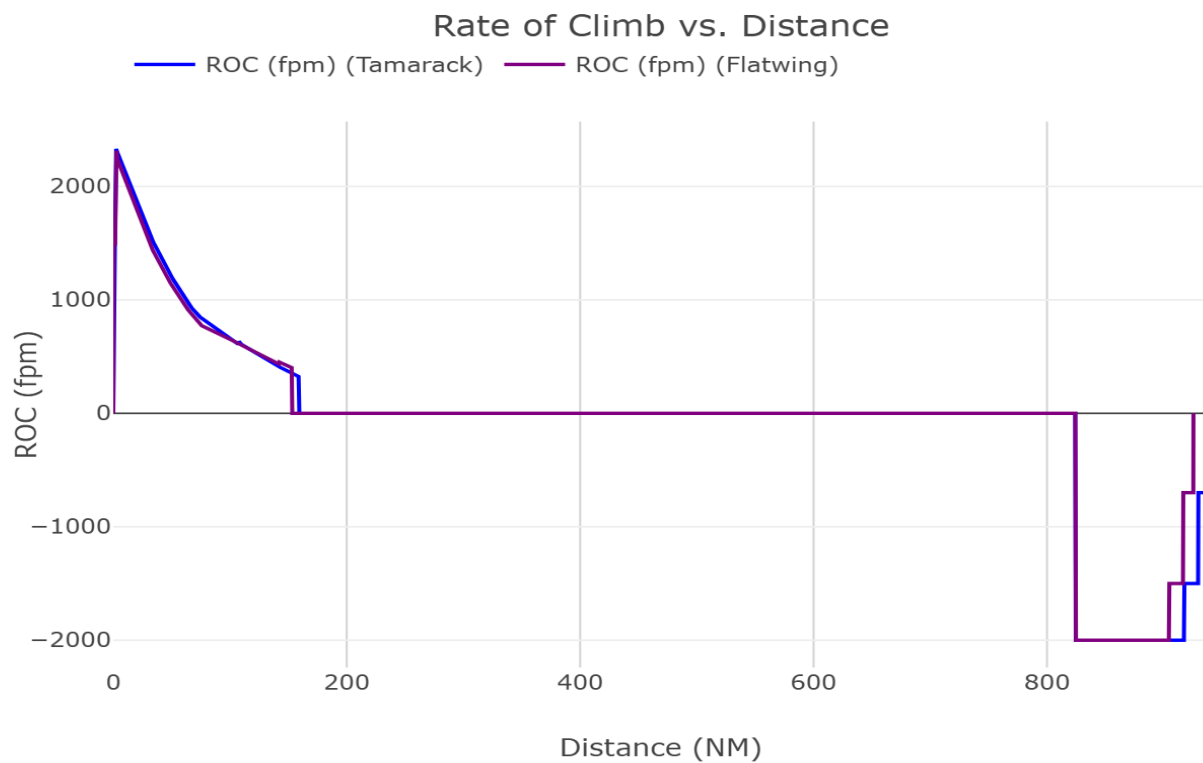
Fuel Remaining vs Distance - Comparison



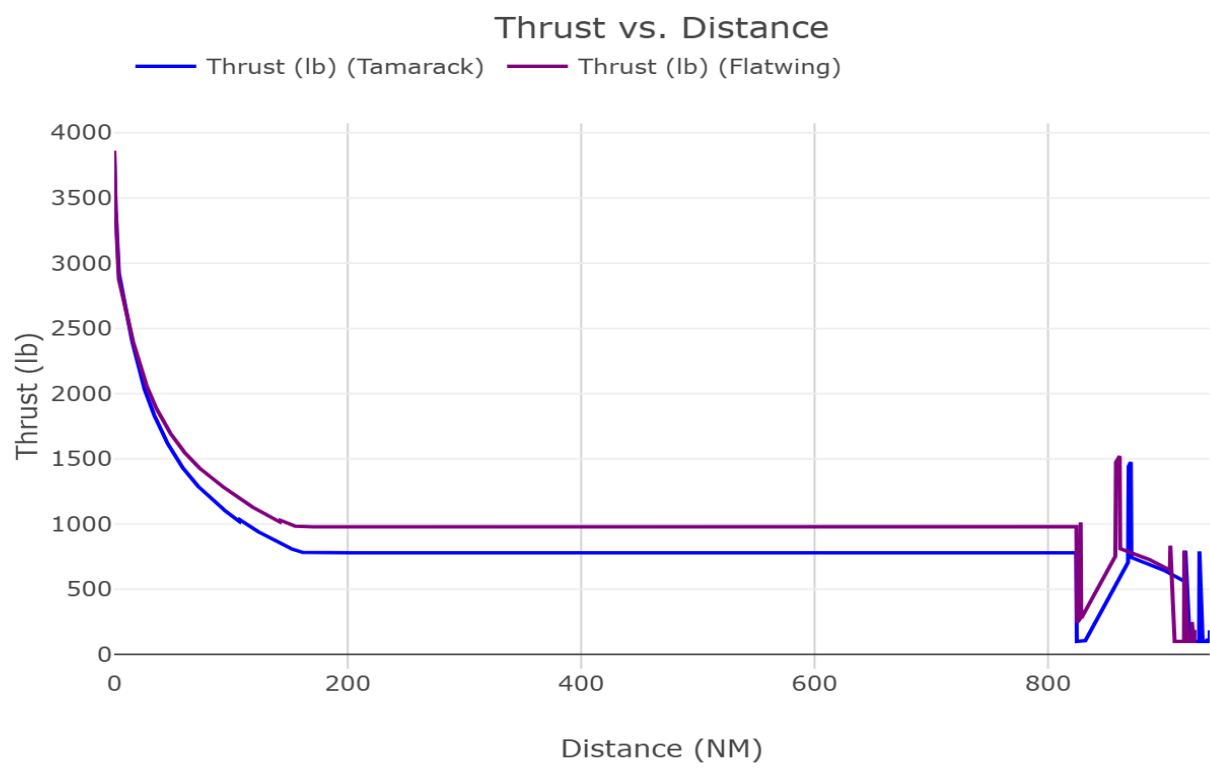
## Altitude and Mach vs. Distance



## Rate of Climb vs. Distance



Thrust vs. Distance



Drag vs. Distance

