

# Recover Mission Simulation Report

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

Generated: 2025-11-25 17:12

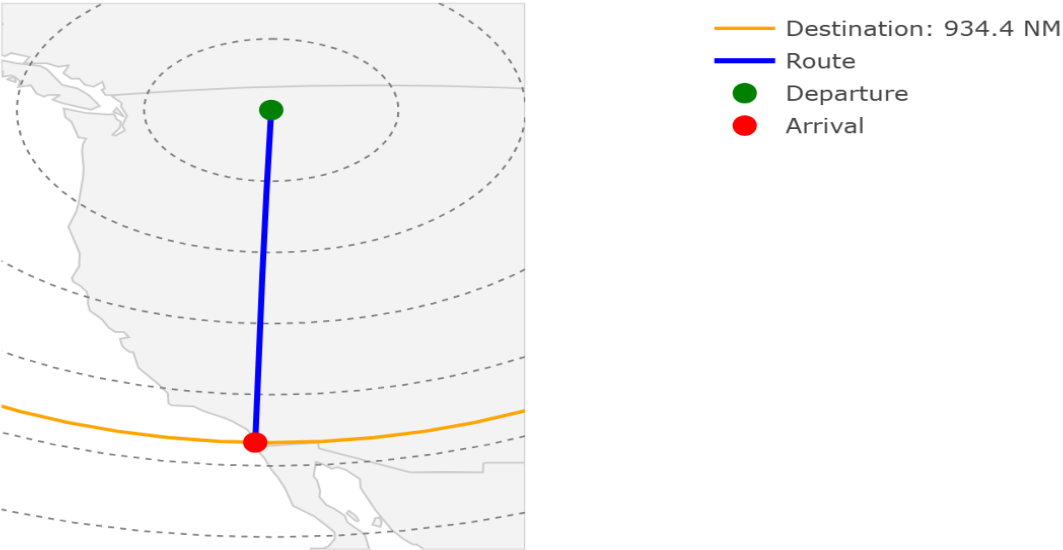
## Airports

Type	Airport	ICAO	PA (ft)	DA (ft)
Departure	Sandpoint Arprt	KSZT	2,131	2,131
Arrival	San Diego Intl Arprt	KSAN	17	17

Route Distance: 934.4 NM | 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

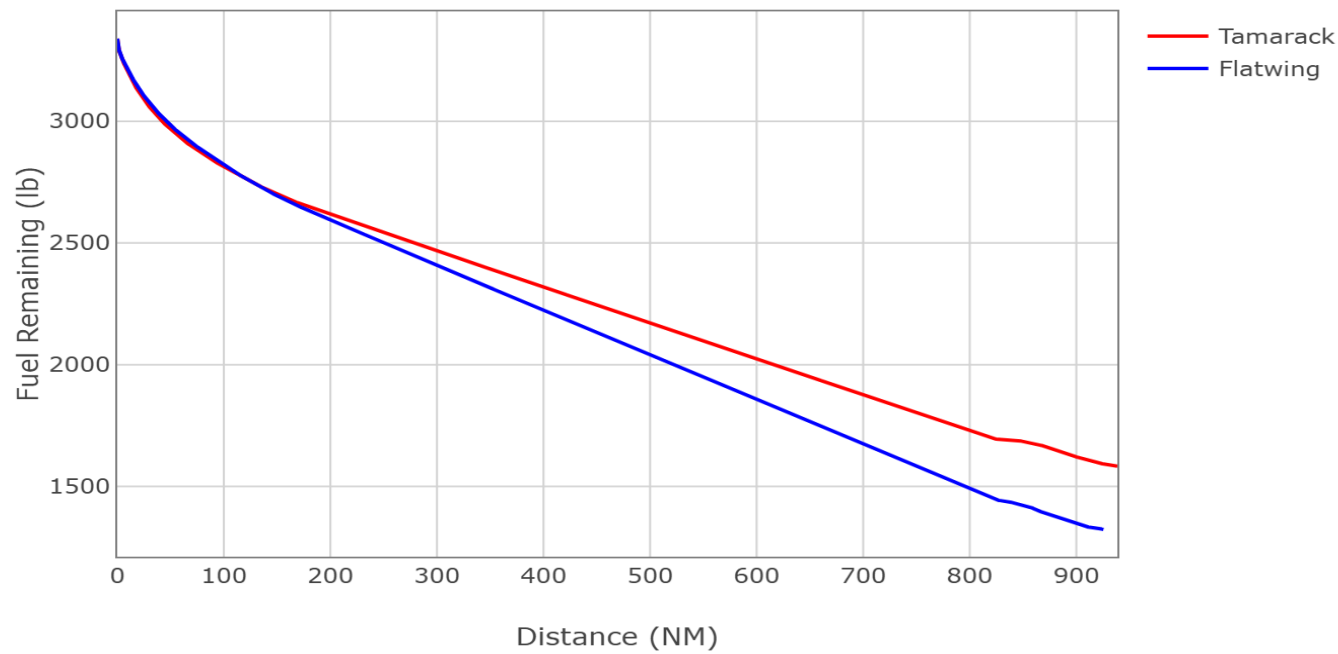
Climb Start Weight (lb): 10229  
Climb End Weight (lb): 9569  
Climb Time (min): 33  
Climb Dist (NM): 152  
Climb Fuel (lb): 670  
Fuel Remaining After Climb (lb): 2680

Hourly Fuel Burn (lb)

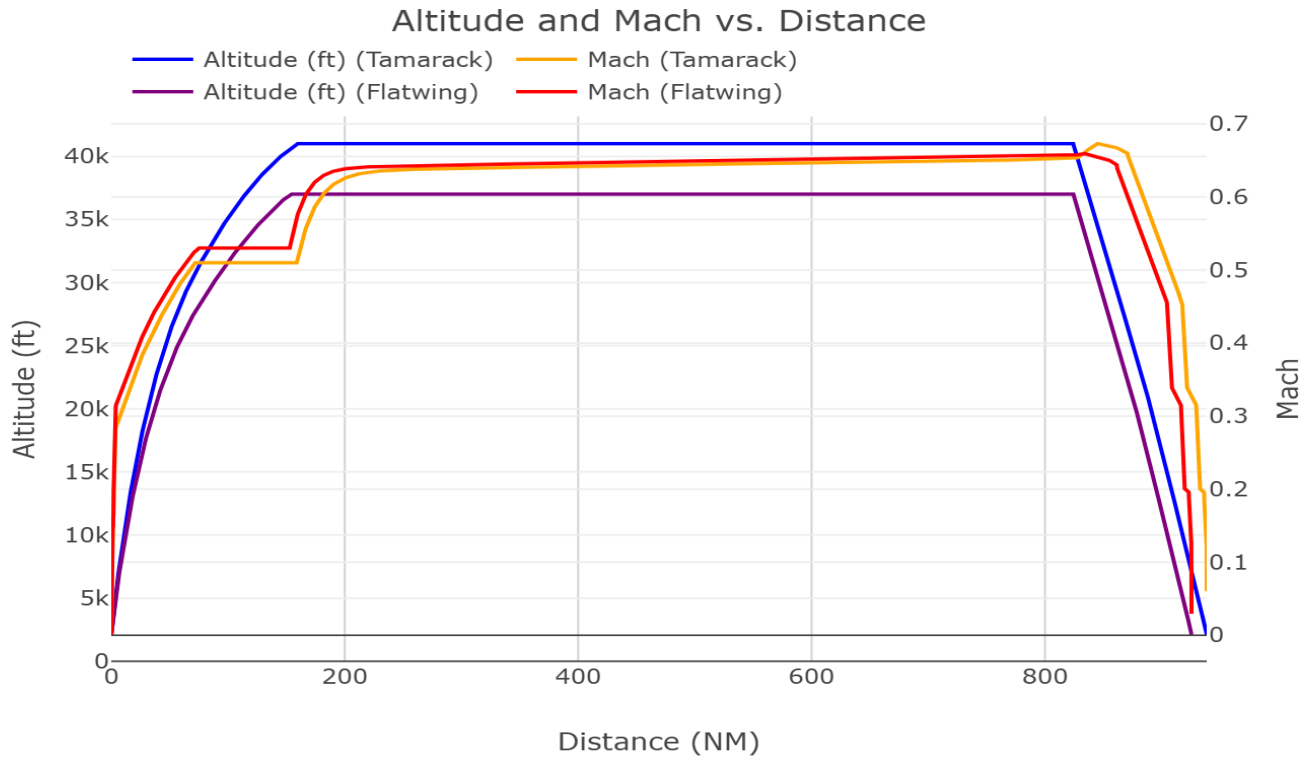
Hour	Tamarack (lb)	Flatwing (lb)
1	895	985
2	561	705
3	348	381

Fuel Remaining vs. Distance

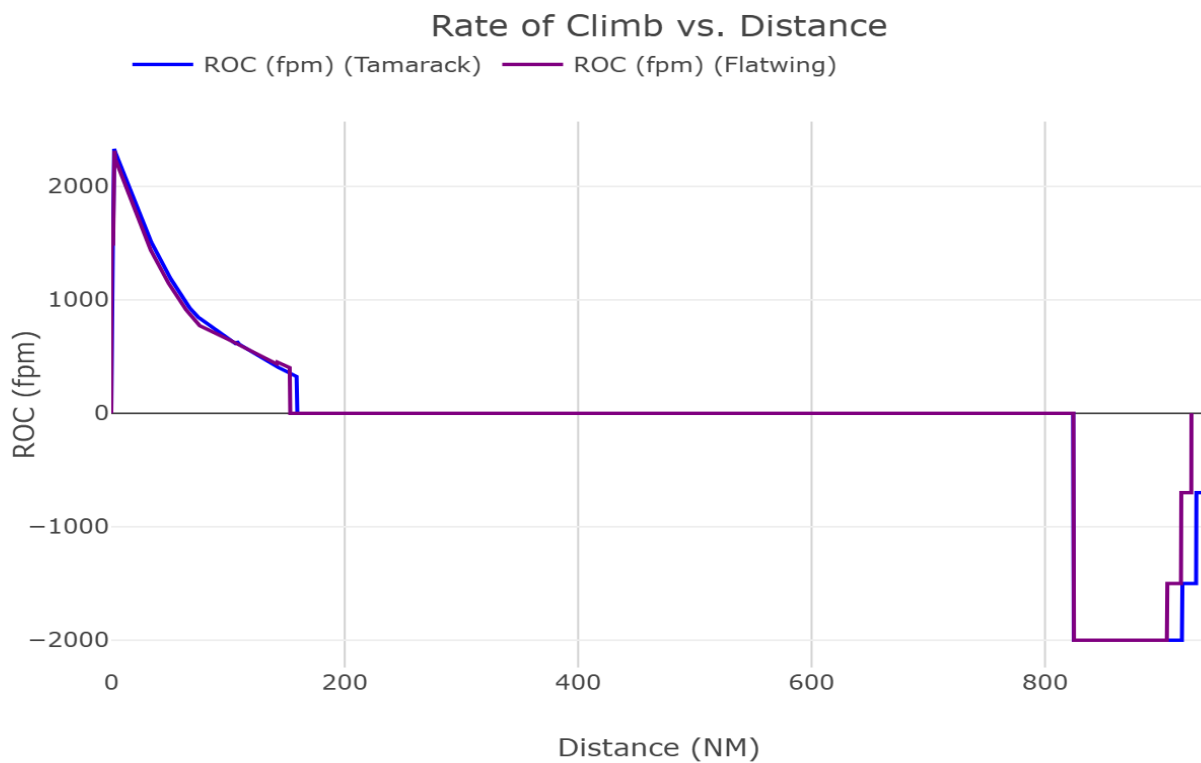
Fuel Remaining vs Distance - Comparison



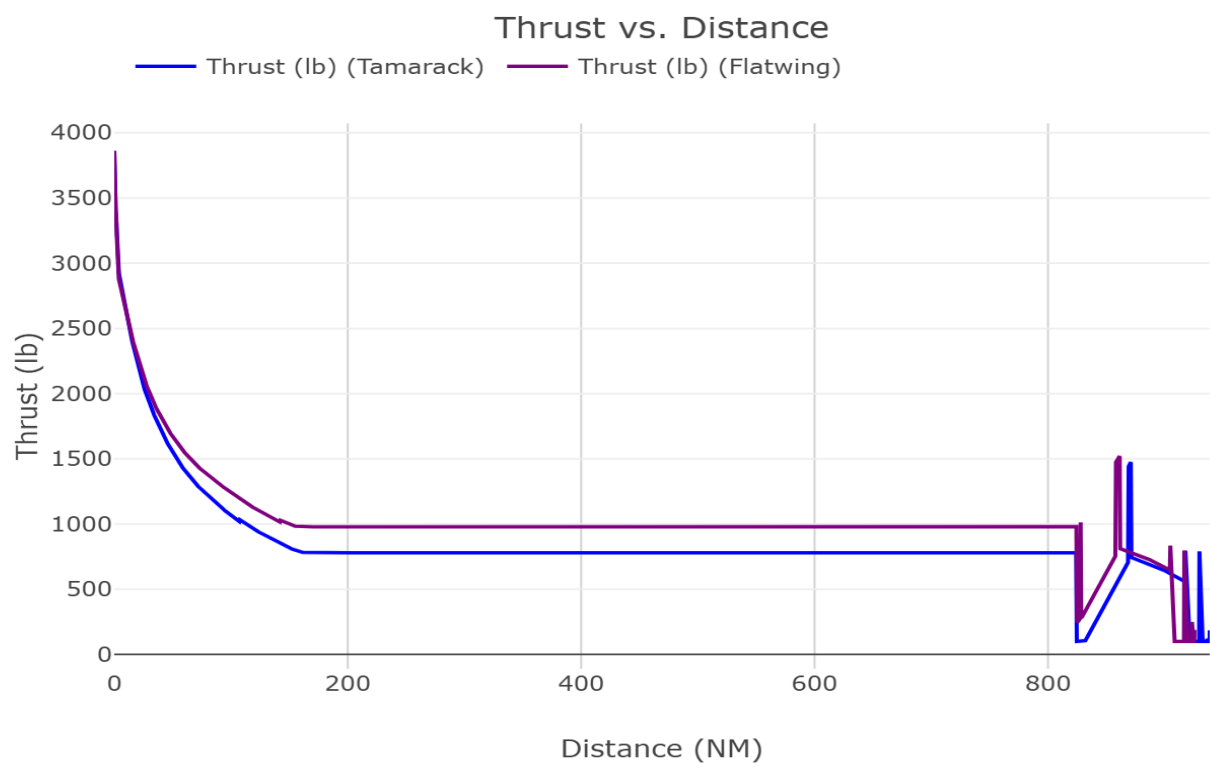
## Altitude and Mach vs. Distance



## Rate of Climb vs. Distance



Thrust vs. Distance



Drag vs. Distance

