

Recover Mission Simulation Report

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

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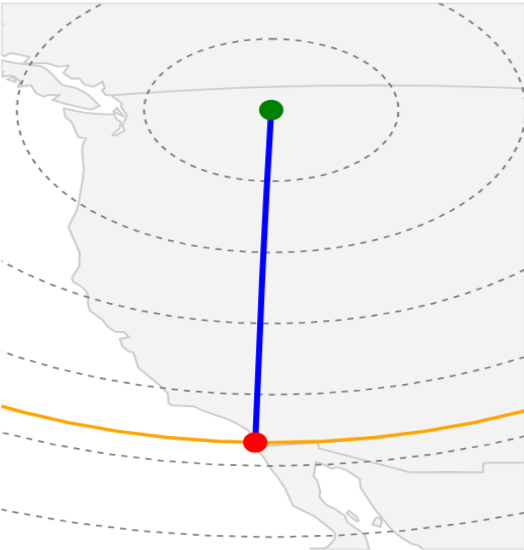
Airports

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

Route Distance: 934.4 NM | Bearing: 182.0°

Flight Route Map

Flight Route



- Destination: 934.4 NM
- Route
- Departure
- Arrival

Weight Status

Flatwing

Component	Weight (lb)	Max Weight (lb)
BOW	6,900	
Payload	0	1,500
Initial Fuel	3,440	3,440
Reserve Fuel	600	
Taxi Fuel	100	
Mission Fuel	2,740	
ZFW	6,900	8,400
Ramp Weight	10,340	10,700
Takeoff Weight	10,240	10,600

Tamarack

Component	Weight (lb)	Max Weight (lb)
BOW	6,979	
Payload	0	1,821
Initial Fuel	3,440	3,440
Reserve Fuel	600	
Taxi Fuel	100	

Component	Weight (lb)	Max Weight (lb)
Mission Fuel	2,740	
ZFW	6,979	8,800
Ramp Weight	10,419	10,700
Takeoff Weight	10,319	10,600

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 Time (min): 36
 Climb Dist (NM): 158
 Climb Fuel (lb): 674
 Fuel Remaining After Climb (lb): 2676

Cruise

Cruise Time (min): 168
 Cruise Dist (NM): 664
 Cruise Fuel (lb): 1605
 Cruise VKTAS (knots): 236
 Cruise Max Mach: 0.39
 Cruise - First Level-Off Alt (ft): 41004
 Fuel Remaining After Cruise (lb): 1734

Descent

Descent Time (min): 23
 Descent Dist (NM): 109
 Descent Fuel (lb): 114
 Fuel Remaining After Descent (lb): 3227

Landing

Landing Start Weight (lb): 7926
 Landing - Dist from 35 ft to Stop (ft): 0
 Landing - Ground Roll (ft): 569
 Fuel Remaining After Landing (lb): 945
 Approach V-Speeds:
 Weight: 7924
 VAPP: 107.3
 VREF: 81.9

Totals

Total Time (min): 228
 Total Dist (NM): 933
 Total Fuel Burned (lb): 2394
 Fuel Remaining (lb): 945
 V1 Cut: False

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 Time (min): 130
Climb Dist (NM): 564
Climb Fuel (lb): 1717
Fuel Remaining After Climb (lb): 2680

Cruise

Cruise Time (min): 62
Cruise Dist (NM): 259
Cruise Fuel (lb): 591
Cruise VKTAS (knots): 248
Cruise Max Mach: 0.43
Cruise - First Level-Off Alt (ft): 37001
Fuel Remaining After Cruise (lb): 1701

Descent

Descent Time (min): 23
Descent Dist (NM): 109
Descent Fuel (lb): 123
Fuel Remaining After Descent (lb): 3218

Landing

Landing Start Weight (lb): 7809
Landing - Dist from 35 ft to Stop (ft): 0
Landing - Ground Roll (ft): 611
Fuel Remaining After Landing (lb): 907
Approach V-Speeds:
Weight: 7807
VAPP: 110.6
VREF: 85.0

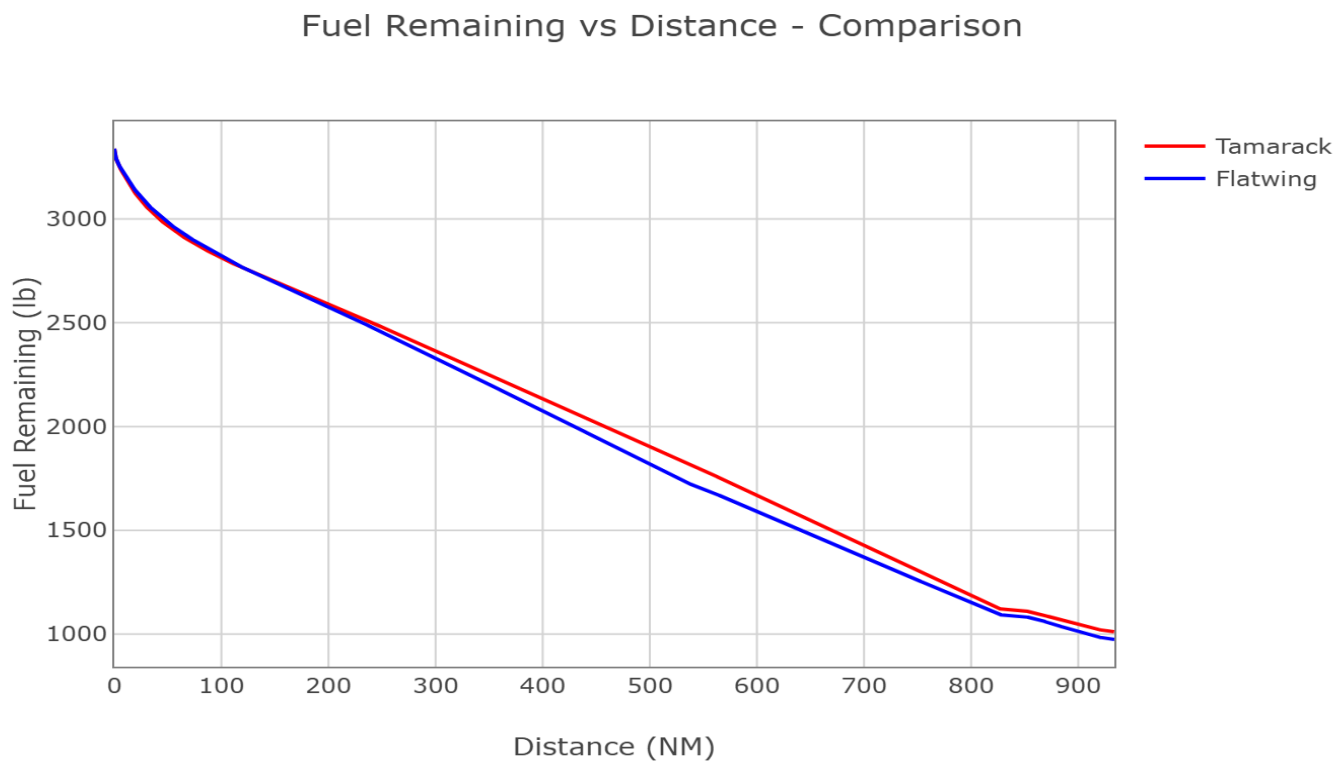
Totals

Total Time (min): 216
Total Dist (NM): 933
Total Fuel Burned (lb): 2432
Fuel Remaining (lb): 907
V1 Cut: False

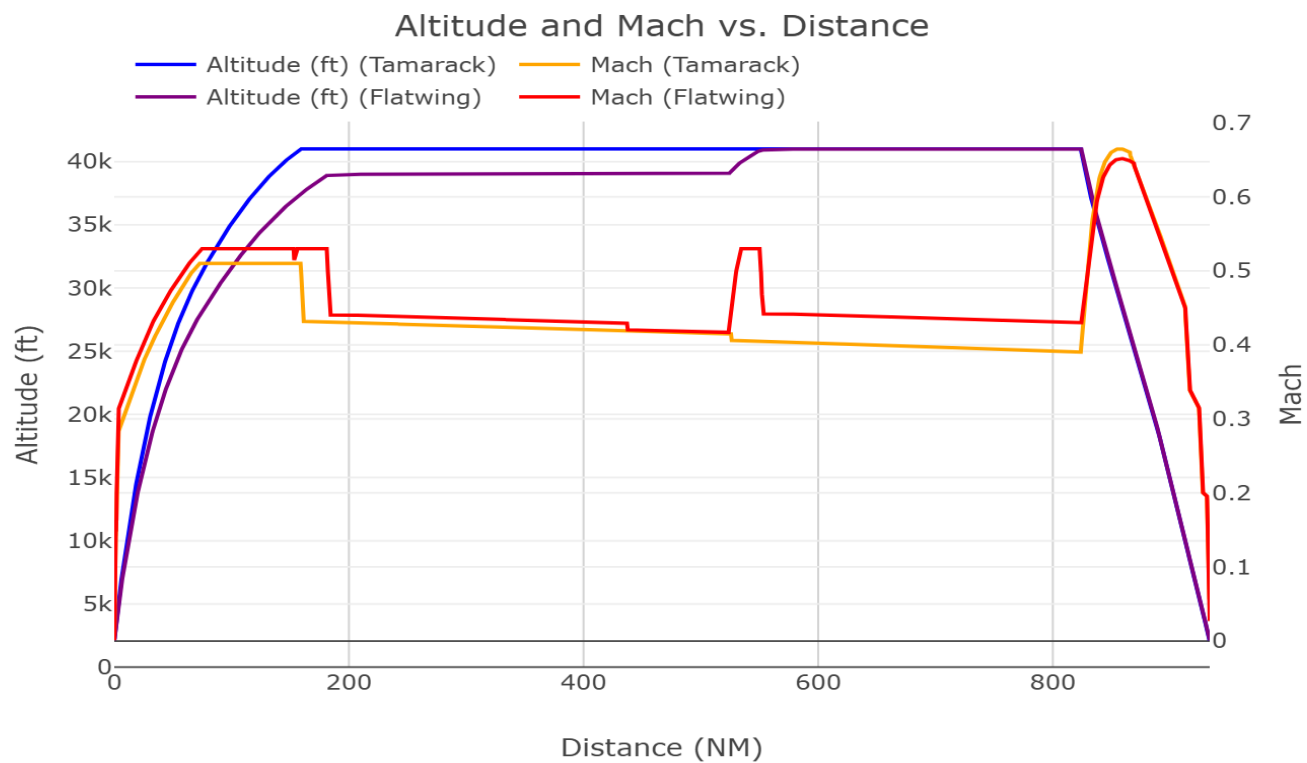
Hourly Fuel Burn (lb)

Hour	Tamarack (lb)	Flatwing (lb)
1	899	962
2	569	648
3	570	574
4	354	247

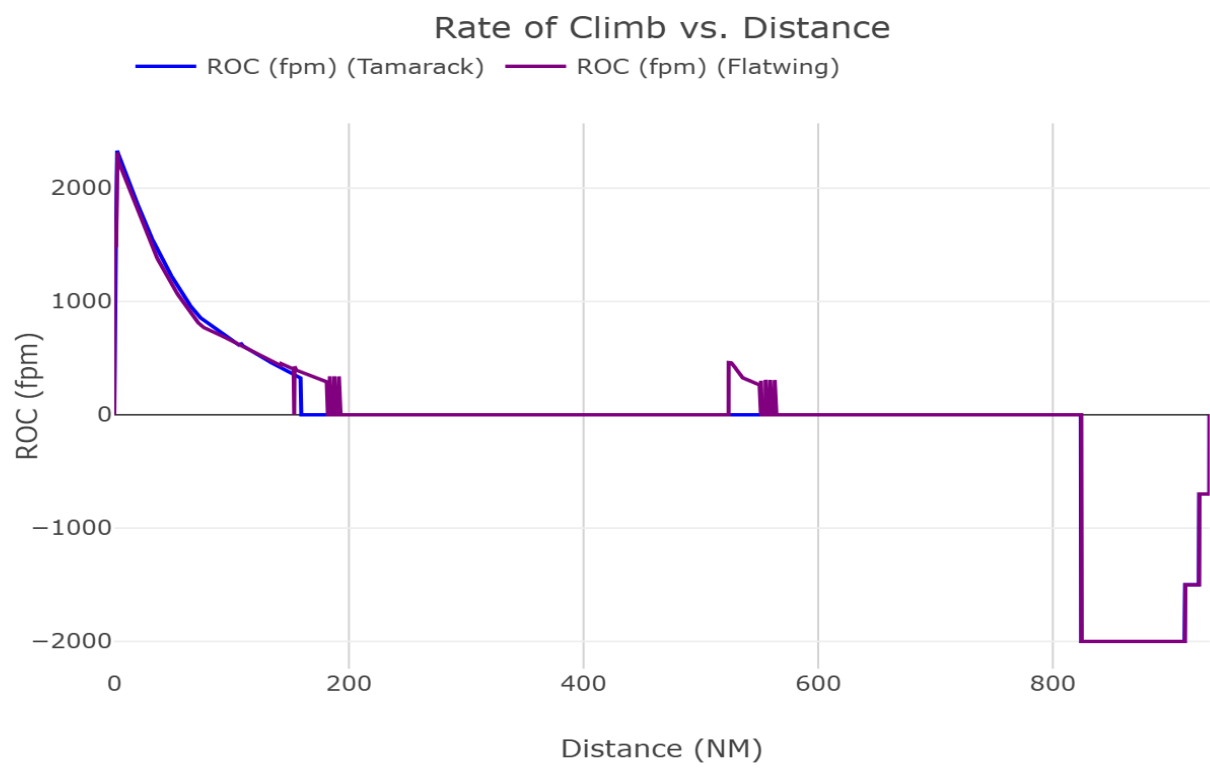
Fuel Remaining vs. Distance



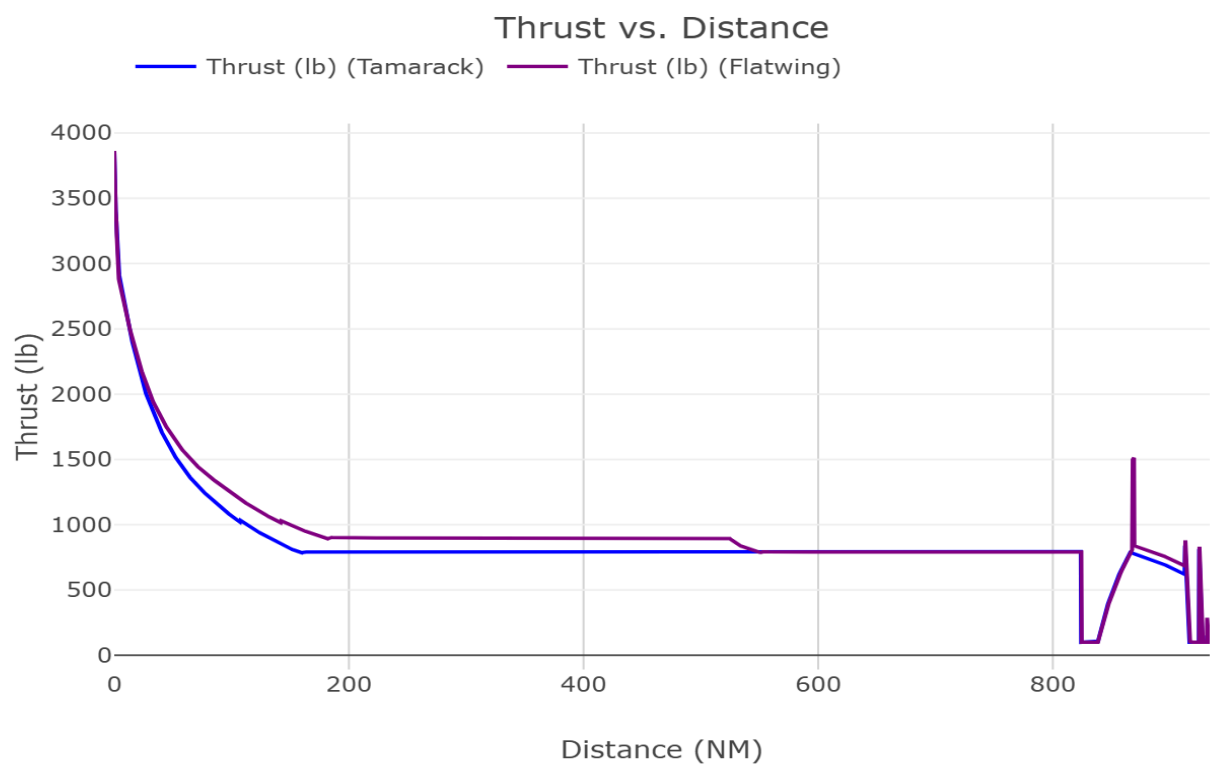
Altitude and Mach vs. Distance



Rate of Climb vs. Distance



Thrust vs. Distance



Drag vs. Distance

