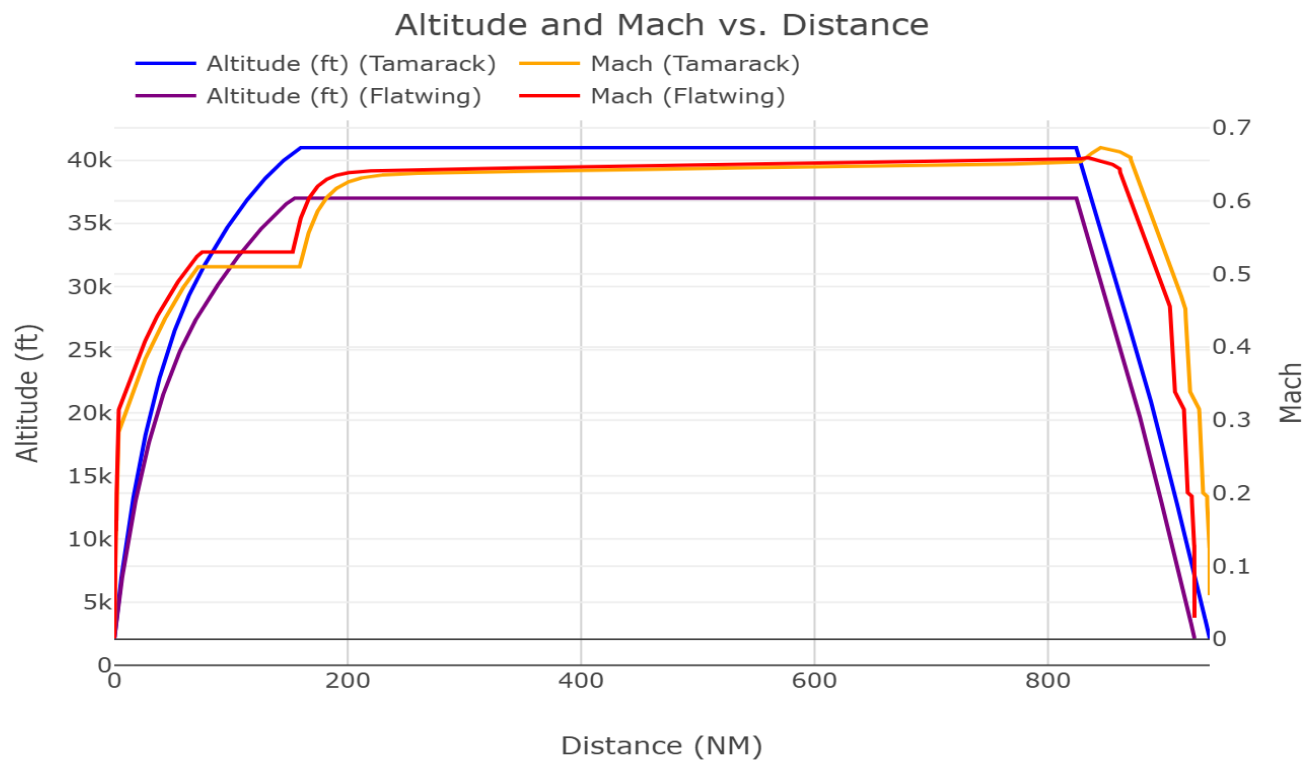


Recover Mission Simulation Report

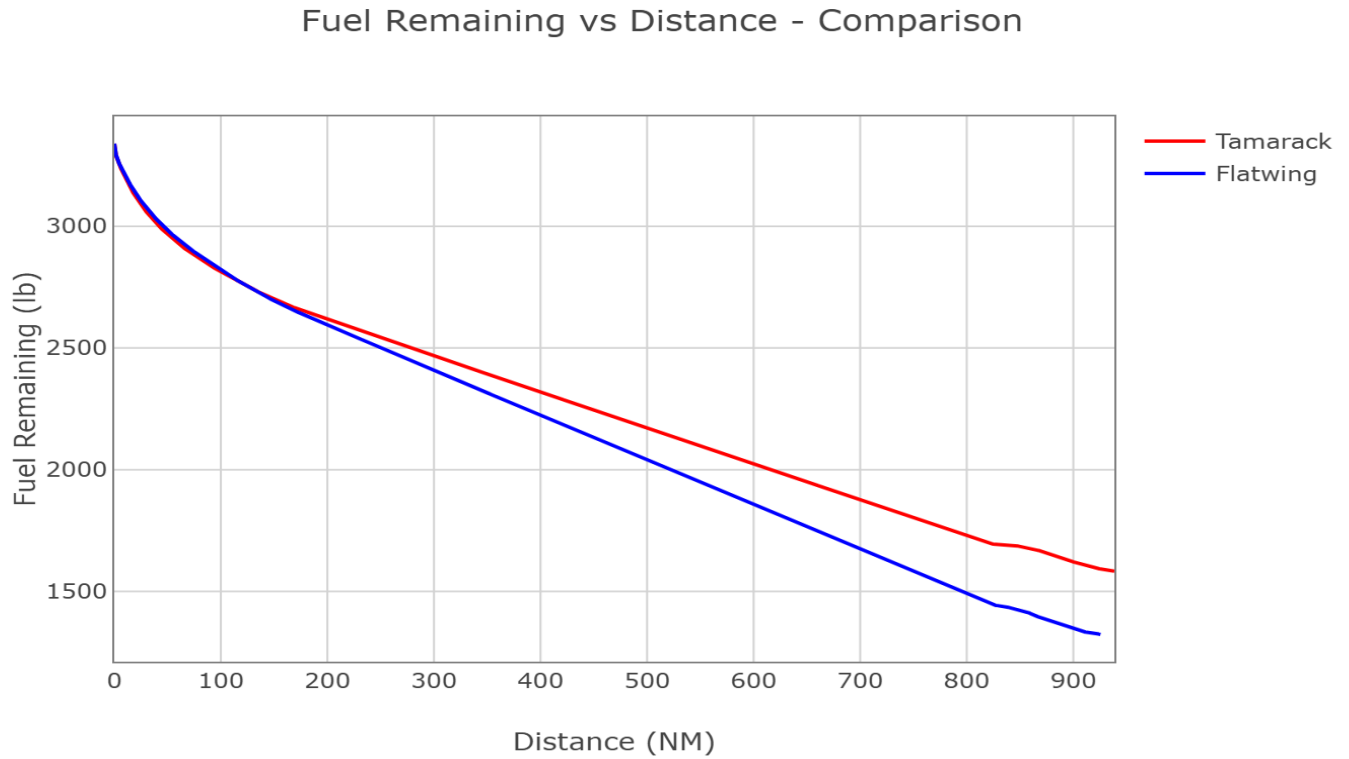
Route: KSZT KSAN | Distance: 934.4 NM | Bearing: 182.0

Generated: 2025-11-25 16:55

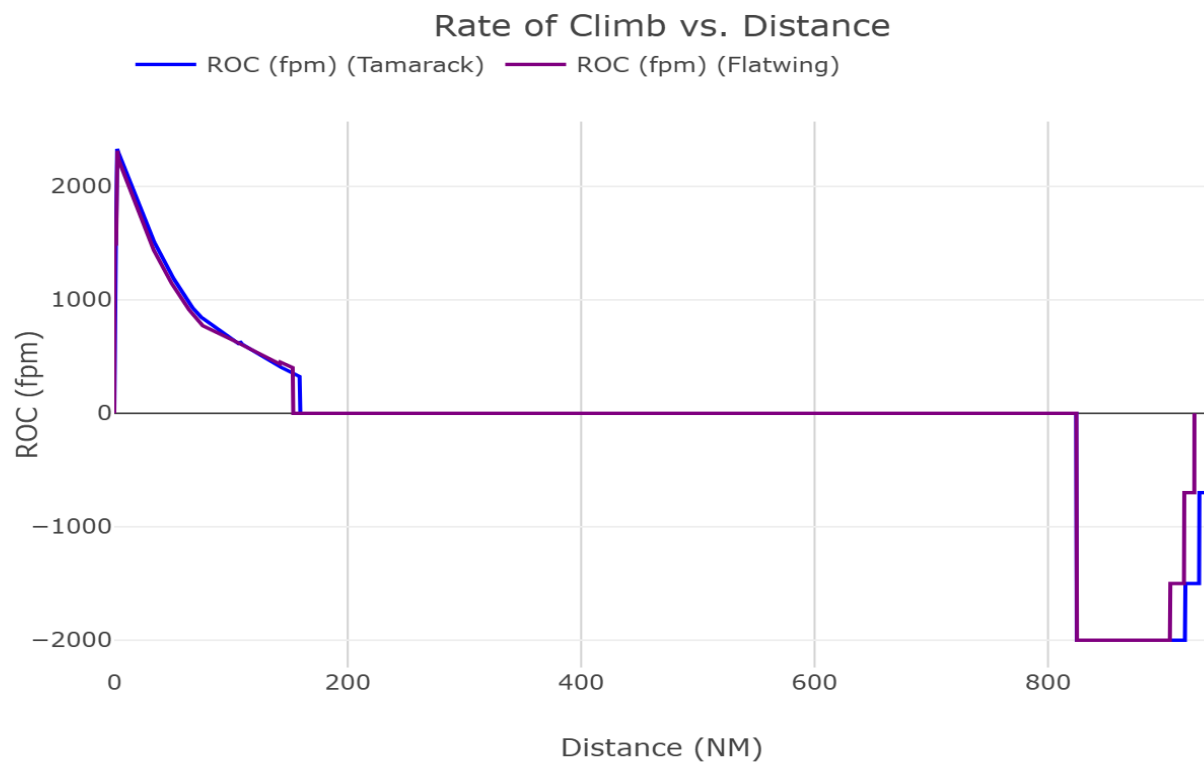
Altitude and Mach vs. Distance



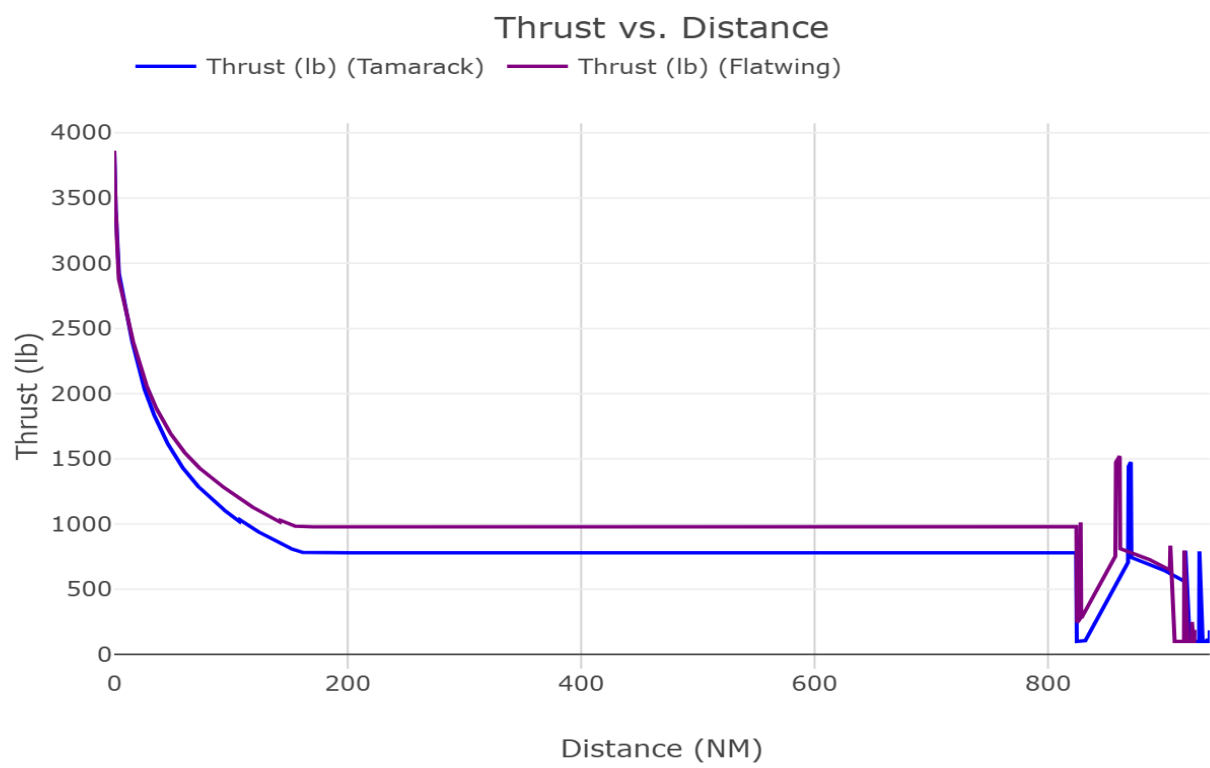
Fuel Remaining vs. Distance



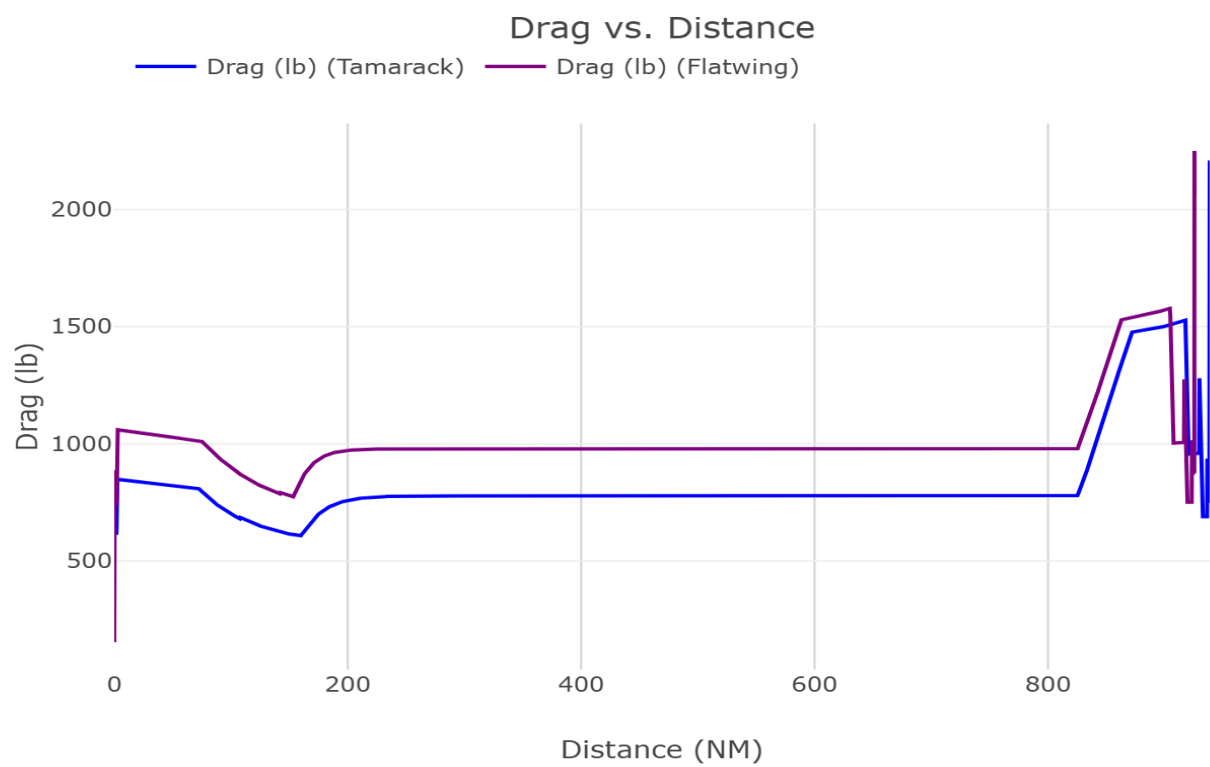
Rate of Climb vs. Distance



Thrust vs. Distance



Drag vs. Distance



Tamarack Summary

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): 108
Cruise Dist (NM): 665
Cruise Fuel (lb): 1016
Cruise VKTAS (knots): 367
Cruise Max Mach: 0.652
Cruise - First Level-Off Alt (ft): 41004
Fuel Remaining After Cruise (lb): 2323

Descent

Descent Time (min): 23
Descent Dist (NM): 113
Descent Fuel (lb): 114
Fuel Remaining After Descent (lb): 3227

Landing

Landing Start Weight (lb): 8515
Landing - Dist from 35 ft to Stop (ft): 0
Landing - Ground Roll (ft): 609
Fuel Remaining After Landing (lb): 1534
Approach V-Speeds:
Weight: 8514
VAPP: 110.6
VREF: 85.0

Totals

Total Time (min): 168
Total Dist (NM): 938
Total Fuel Burned (lb): 1805
Fuel Remaining (lb): 1534
V1 Cut: False

Flatwing Summary

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

Climb

Climb Time (min): 33
Climb Dist (NM): 152
Climb Fuel (lb): 670
Fuel Remaining After Climb (lb): 2680

Cruise

Cruise Time (min): 108
Cruise Dist (NM): 671
Cruise Fuel (lb): 1277
Cruise VKTAS (knots): 369
Cruise Max Mach: 0.657
Cruise - First Level-Off Alt (ft): 37001
Fuel Remaining After Cruise (lb): 2062

Descent

Descent Time (min): 21
Descent Dist (NM): 100
Descent Fuel (lb): 124
Fuel Remaining After Descent (lb): 3217

Landing

Landing Start Weight (lb): 8169
Landing - Dist from 35 ft to Stop (ft): 0
Landing - Ground Roll (ft): 637
Fuel Remaining After Landing (lb): 1266
Approach V-Speeds:
Weight: 8167
VAPP: 112.7
VREF: 87.0

Totals

Total Time (min): 163
Total Dist (NM): 925
Total Fuel Burned (lb): 2073
Fuel Remaining (lb): 1266
V1 Cut: False