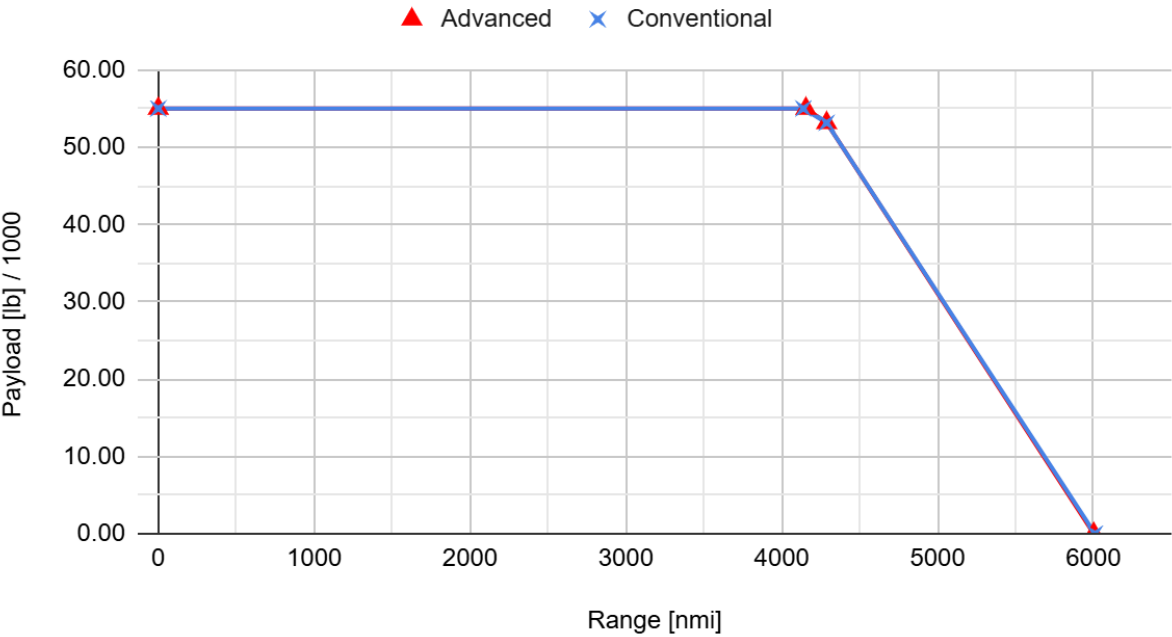


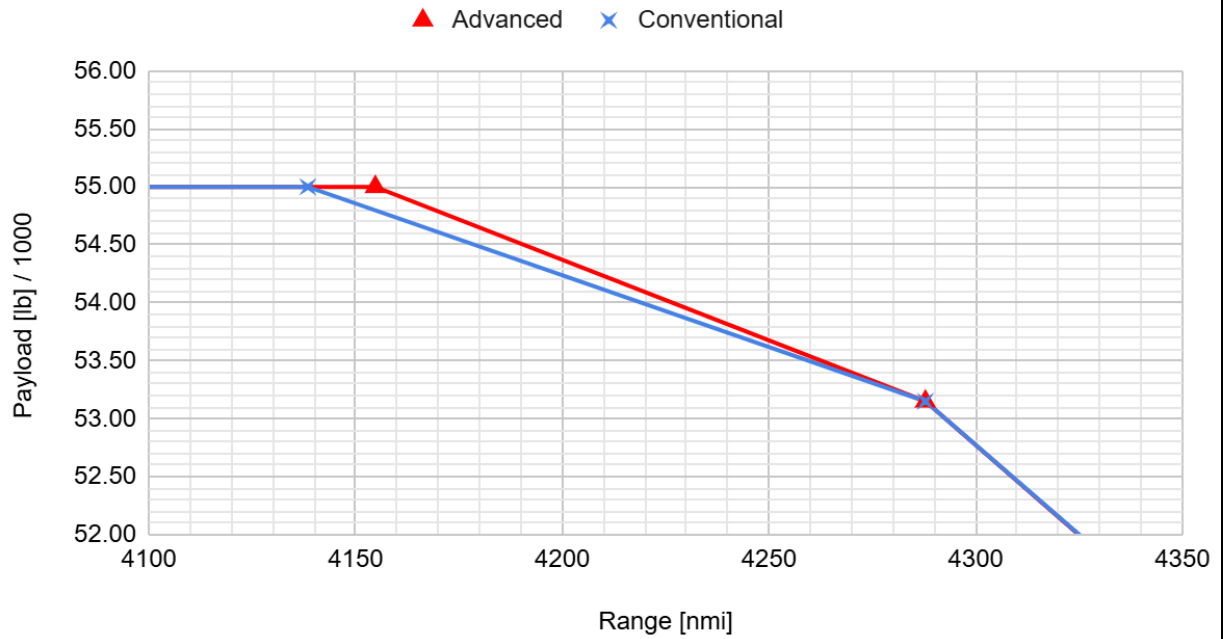
	Conventional	Advanced
<b>WING</b>		
Wingspan [ft]	123.02	122.40
MAC [ft]	16.57	16.48
Planform Area [ft^2]	1,891.67	1,872.76
Airfoil Type	Supercritical	Supercritical
Aspect Ratio (AR)	8	8
Swept Angle (°)	30	30
<b>FUSELAGE</b>		
Length [ft]	165.78	165.78
Diameter [ft]	14	14
Seats Abreast	6	6
<b>MATERIAL</b>		
Wing	Aluminum	Composite
Fuselage	Aluminum	Composite
Nacelle + Pylon	Aluminum	Composite
Tail	Aluminum	Composite
Fixed Equipment	Aluminum	Composite
<b>WEIGHT</b>		
Wing Weight [lb]	20,515.00	14,328.33
Fuselage [lb]	2,433.92	2,067.92
Tail Weight [lb]	4,035.30	1,972.87
Fixed Equipment Weight [lb]	37,805.00	36,997.09
Fuel Weight [lb]	70,106.07	69,974.62
<b>ENGINES</b>		
Flat Plate Drag Area [ft^2]	30.77	30.60
Engine Type	JT9D	JT9D

Number of Engines	2	2
Max Thrust per Engine [lb]	43,857.47	44,154.67
Takeoff Gross Weight [lb]	227,000.00	226,574.37
All-out Range NM	4,045.84	4,045.84
DOC [\$/ton-mile]	0.09	0.09
SFC	0.62	0.56
Powerplant Weight [lb]	24,501.38	26,951.52

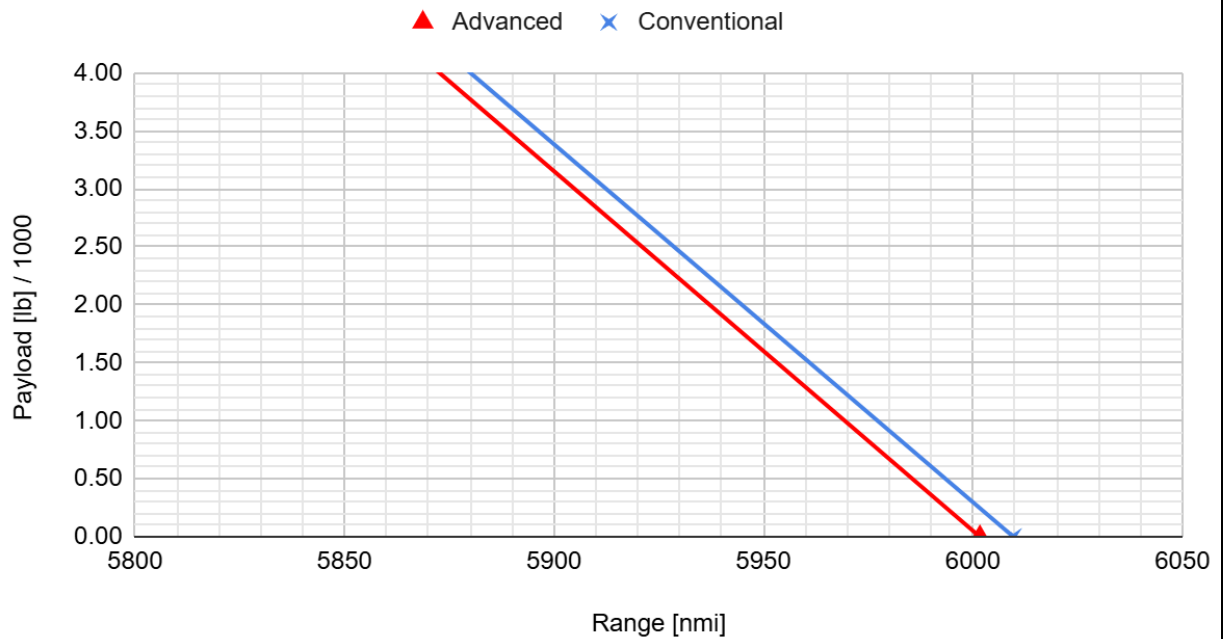
Range vs. Payload



### Range vs. Payload Zoom in Point 2 and 3

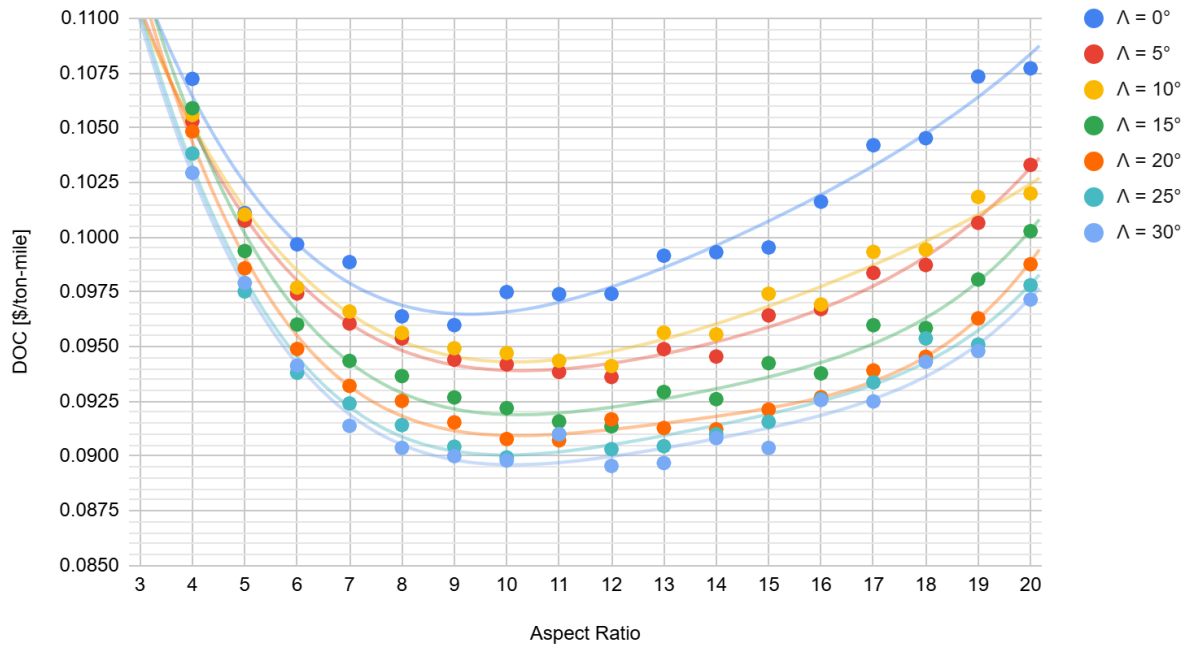


### Range vs. Payload Zoom in Point 4

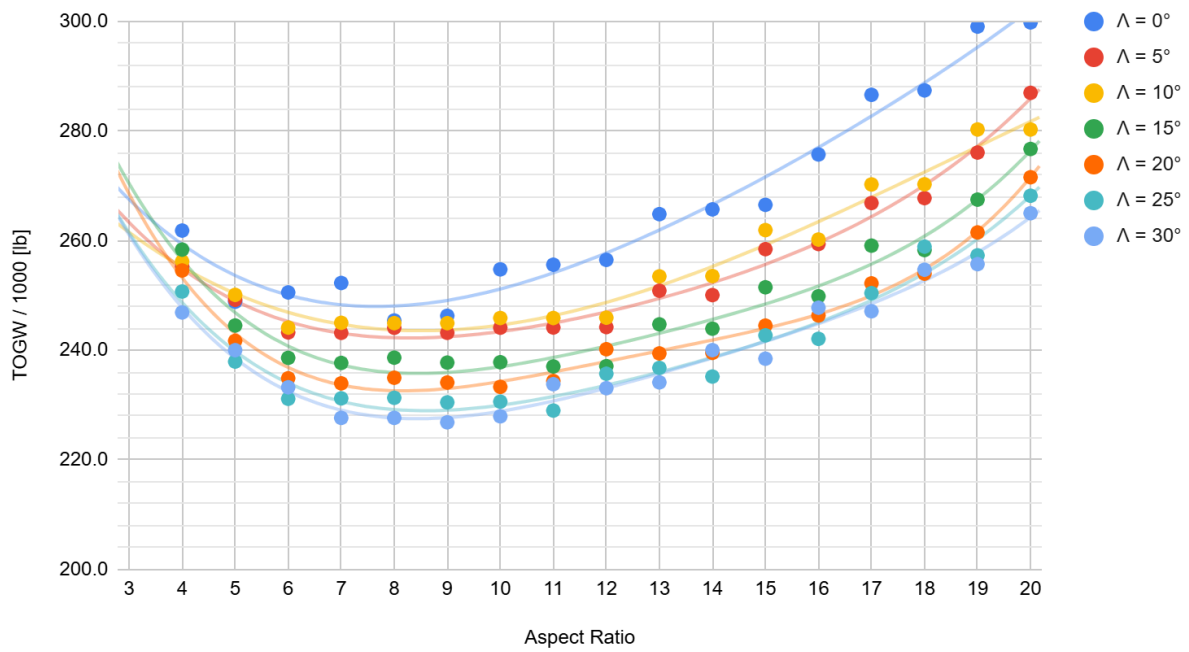


# ADVANCED AIRCRAFT

DOC vs. AR for Advanced Aircraft

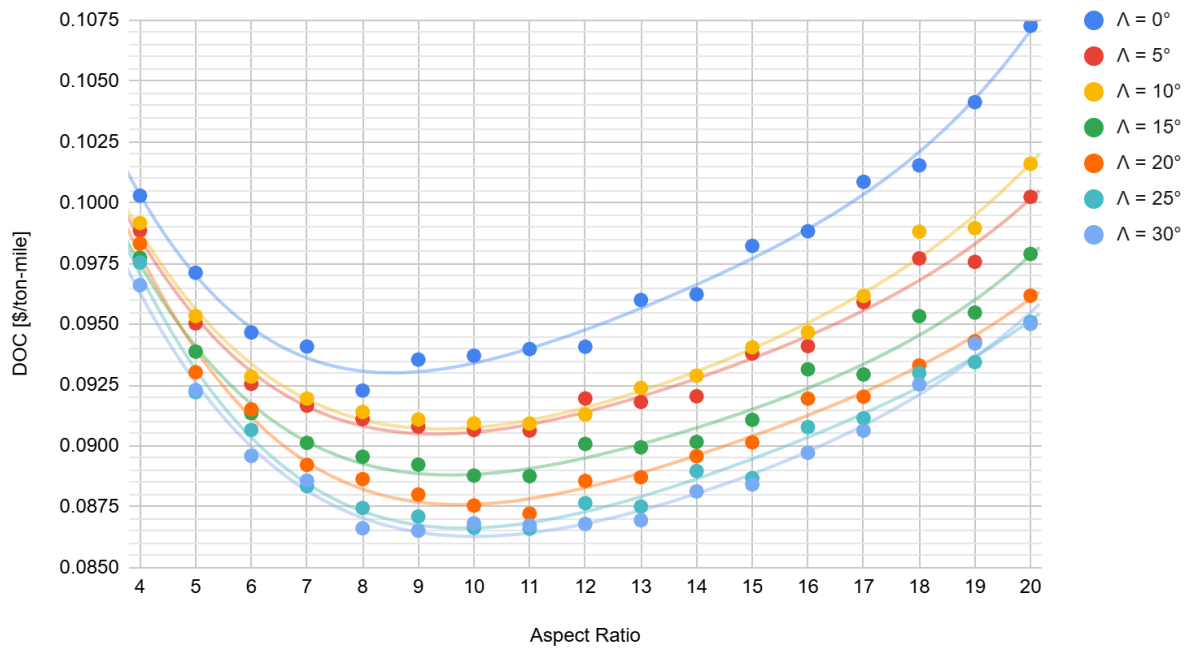


TOGW vs. AR for Advanced Aircraft



# CONVENTIONAL AIRCRAFT

### DOC vs. AR for Conventional Aircraft



### TOGW vs. AR for Conventional Aircraft

