

1-800-wxbrief \_\_\_\_\_



Flight School Aircraft Dispatch Release  
Flight Risk Assessment Tool (FRAT)

Per University Air Center's companywide Safety Management System (SMS), our flight school requires the following form be filled out accurately and completely before the release of ANY aircraft.

Aircraft N# N5498H Tach (current) \_\_\_\_\_ Annual \_\_\_\_\_  
100 HR \_\_\_\_\_ 50 HR \_\_\_\_\_

Items to check	Initials	
Check Aircraft Discrepancy Log		<b>I.M.S.A.F.E.</b> <input type="checkbox"/> (Illness, medication, stress, alcohol, fatigue, emotion)
Review UAC S.O.P./ Applicable Reqs. (Bi-annual flight review, medical, rental agreement, insurance)		<b>C.A.R.E.</b> <input type="checkbox"/> (Consequences, Alternatives, Reality, External Pressures)
Weather, TFRs, and NOTAMS _____ WX Description _____		<b>P.A.V.E.</b> <input type="checkbox"/> (Pilot, Aircraft, en Vironment, External Press.)
Review V speeds Vr _____ Vx _____ Vy _____ Vg _____		
Required Fuel Load (Ensure adequate fuel load for the flight,)		
List Any Cross Country Airports _____		
Departure and Arrival Alternate (If IFR and required by FAR or SOP) Flight to _____ Alternate _____		

PIC Signature \_\_\_\_\_ Date \_\_\_\_\_

A Complete Passenger List Must be provided – List additional Passenger below and on back of sheet

Full Names  
\_\_\_\_\_

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# Weight & Balance

	Weight	X Arm	= Moment
<b>Basic Empty Weight</b>	1521.0	43.96	66861.54
<b>Front Pilots</b>	+	37	+
<b>Rear Passengers</b>	+	73	+
<b>Baggage</b>	+	95	+
<b>Zero Fuel Weight</b>	=		CG =
<b>Usable Fuel</b>	+	48	+
<b>Ramp Weight</b>	=	NA	=
<b>Taxi Fuel</b>	-	48	-
<b>Takeoff Weight</b>	=		CG =
<b>Fuel Burn</b>	-	48	-
<b>Landing Weight</b>	=		CG =

## Formulas

- Weight X Arm = Moment
- Total Moment ÷ Total Weight = Center of Gravity (CG)
- Max Ramp Weight – Zero Fuel Weight = Usable Fuel Weight
- 100 LL Fuel Weight = 6lbs./gal.

## Performance

**Short Field  
Takeoff Distance**  
Ground Roll | 50ft Obst.

**Short Field  
Landing Distance**  
Ground Roll | 50ft Obst.

\*Review performance charts in aircraft book

## Gainesville Frequencies:

ATIS – 127.15  
GROUND – 121.7  
TOWER – 119.55  
UNICOM – 122.95

## Destination Airport

**Frequencies:**  
ATIS/AWOS –  
GROUND –  
TOWER –  
UNICOME/CTAF –

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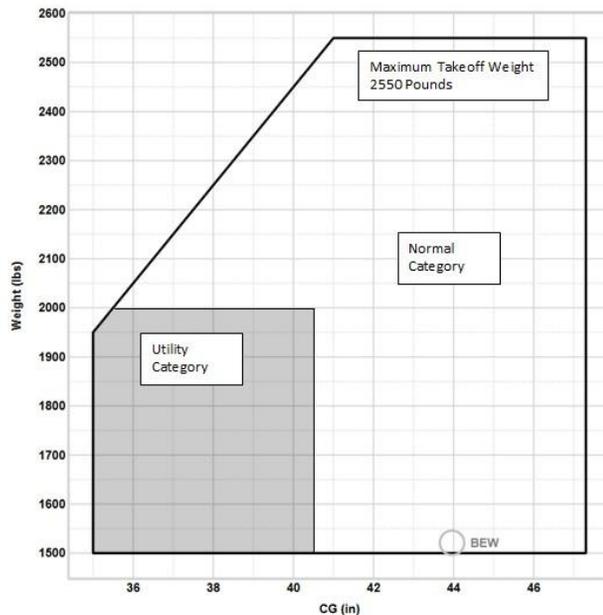
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Center of Gravity Limits



Center of Gravity Limits

