

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# 20457 Tach (current) \_\_\_\_\_ Annual \_\_\_\_\_  
100 HR \_\_\_\_\_ 50 HR \_\_\_\_\_

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

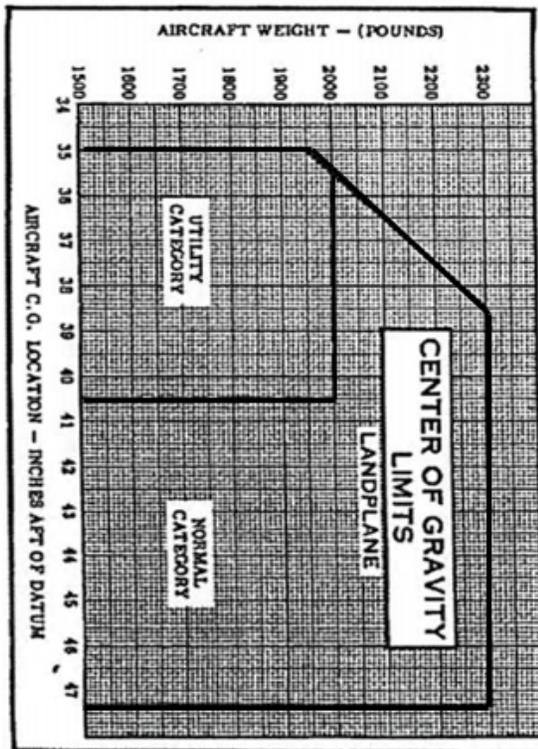
PIC Signature \_\_\_\_\_ Date \_\_\_\_\_  
A Complete Passenger List Must be provided – List additional Passenger below and on back of sheet  
Full Names \_\_\_\_\_

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# Weight & Balance

	Weight	X Arm	= Moment
<b>Basic Empty Weight</b>	1420	39.89	56644
<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 =



Max Gross Weight 2300 lbs.

## 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

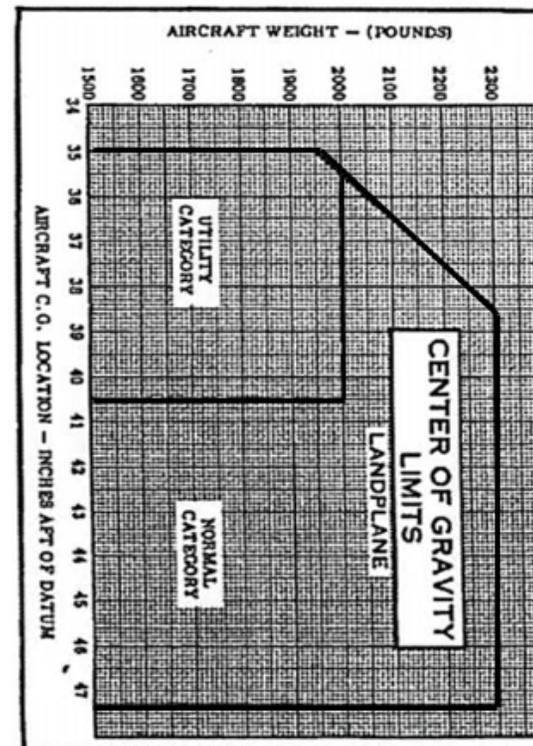
### Destination Airport

### Frequencies:

ATIS/AWOS –  
GROUND –  
TOWER –  
UNICOME/CTAF –

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