

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# 2874Z Tach (current) \_\_\_\_\_ Annual \_\_\_\_\_  
100 HR \_\_\_\_\_ 50 HR \_\_\_\_\_

Items to check	Initials
Check Aircraft Discrepancy Log	
Review UAC S.O.P./ Applicable Reqs. (Bi-annual flight review, medical, rental agreement, insurance)	
Weather, TFRs, and NOTAMS _____ WX Description _____	
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 _____	

**I.M.S.A.F.E.**   
(Illness, medication, stress, alcohol, fatigue, emotion)

**C.A.R.E.**   
(Consequences, Alternatives, Reality, External Pressures)

**P.A.V.E.**   
(Pilot, Aircraft, en Vironment, External Press.)

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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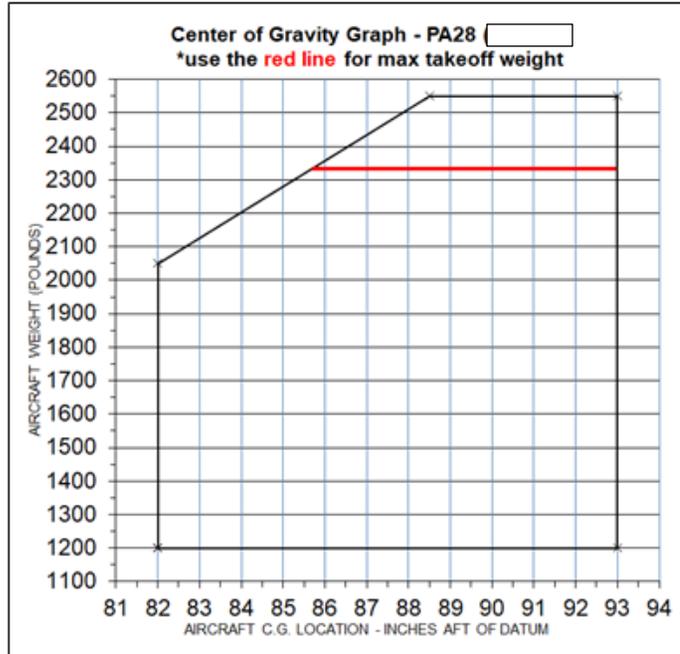
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# Weight & Balance

	Weight	X	Arm	=	Moment
<b>Basic Empty Weight</b>	1461.9		86.94		127109.42
<b>Front Pilots</b>	+		80.50		+
<b>Rear Passengers</b>	+		118.10		+
<b>Baggage</b>	+		142.80		+
<b>Zero Fuel Weight</b>	=		CG	=	
<b>Usable Fuel</b>	+		95		+
<b>Ramp Weight</b>	=		NA	=	
<b>Taxi Fuel</b>	-		95		-
<b>Takeoff Weight</b>	=		CG	=	
<b>Fuel Burn</b>	-		95		-
<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.

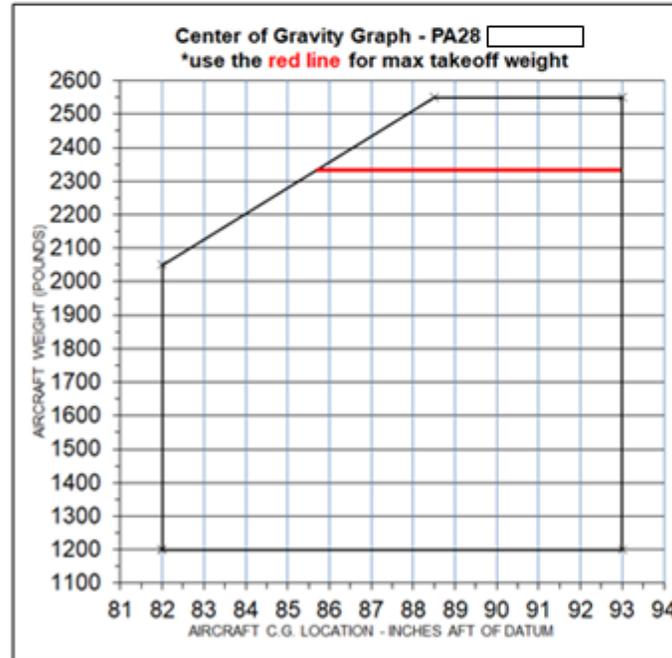
Performance	
<b>Short Field Takeoff Distance</b>	
Ground Roll	50ft Obst.
<b>Short Field Landing Distance</b>	
Ground Roll	50ft Obst.

\*Review performance charts in aircraft book

Gainesville	
<b>Frequencies:</b>	
ATIS - 127.15	
GROUND - 121.7	
TOWER - 119.55	
UNICOM - 122.95	
<b>Destination Airport</b>	
<b>Frequencies:</b>	
ATIS/AWOS -	
GROUND -	
TOWER -	
UNICOME/CTAF -	

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