

N430J L39c-GXT Sn 232205			
Undrainable fuel with 221 lbs of pilot and parachute			
Ballast Required in Nose for Pilot + Chute less than 221 lbs			
11/7/2018	Weight	Arm	Moment
Scale Position	Scale Reading (lbs.)	Arm (in.)	Moment (in.lbs.)
Nose	2238	129.72	290313
Left Main	1947	308.34	600338
Right Main	2030	308.34	625930
Empty Weight CoG	6215	244.0	1516582
CoG % of MAC	30.2	Stock Limit 21.0% to 27.5% +/- 0.5%	
notes:	Two steel plates plus lead 1/2 moon		
	Flight tested as comfortably stable with half fuel		
	241.31" AFT stock limit		
Additional Measured Configurations for Information Only			
Undrainable Fuel No Pilot or Chute			
11/7/2018	Weight	Arm	Moment
Scale Position	Scale Reading (lbs.)	Arm (in.)	Moment (in.lbs.)
Nose	2006	129.72	260218
Left Main	1950	308.34	601263
Right Main	2035	308.34	627472
Empty Weight CoG	5991	248.5	1488953
CoG % of MAC	35.5	Stock Limit 21.0% to 27.5% +/- 0.5%	
Full (283 gallons) Fuel No Pilot or Chute			
11/7/2018	Weight	Arm	Moment
Scale Position	Scale Reading (lbs.)	Arm (in.)	Moment (in.lbs.)
Nose	2703	129.72	350633
Left Main	2550	308.34	786267
Right Main	2621	308.34	808159
Empty Weight CoG	7874	247.0	1945059
CoG % of MAC	33.7	Stock Limit 21.0% to 27.5% +/- 0.5%	
Full (283 gallons) Fuel with Pilot + Chute			
11/7/2018	Weight	Arm	Moment
Scale Position	Scale Reading (lbs.)	Arm (in.)	Moment (in.lbs.)
Nose	2934	129.72	380598
Left Main	2544	308.34	784417
Right Main	2617	308.34	806926
Empty Weight CoG	8095	243.6	1971941
CoG % of MAC	29.7	Stock Limit 21.0% to 27.5% +/- 0.5%	