

## Weight and Balance Worksheet – N909CP

N909CP	Weight (lbs)	X Arm	= Moment
Basic empty weight (2/2005)	1692.66		69254.31
Pilot & Observer		37	
Scanner(s) / Back Seat		73	
Baggage 1 (120 lbs max)		95	
Baggage 2 (50 lbs max)		123	
Fuel (53 gal max @ 6 lbs/gal)		48	
TOTALS			
Total Moment / Total Weight = CG		CG =	

Calculate Total weight and total moment. Plot on *Center of Gravity Moment Envelope* (Figure 6-7, page 6-15, C172S Information Manual)

Calculate CG and Total Weight. Plot on *Center of Gravity Limits* (Figure 6-8, page 6-16, C172S Information Manual)

Notes:

Maximum Gross = 2550 lbs

Useful Load = 865.34 lbs (using max ramp weight of 2558 lbs)

Max Payload @ Max Fuel = 547.34 lbs (using max ramp wt of 2558 lbs)

Baggage 1 + Baggage 2 CANNOT exceed 120 lbs TOTAL