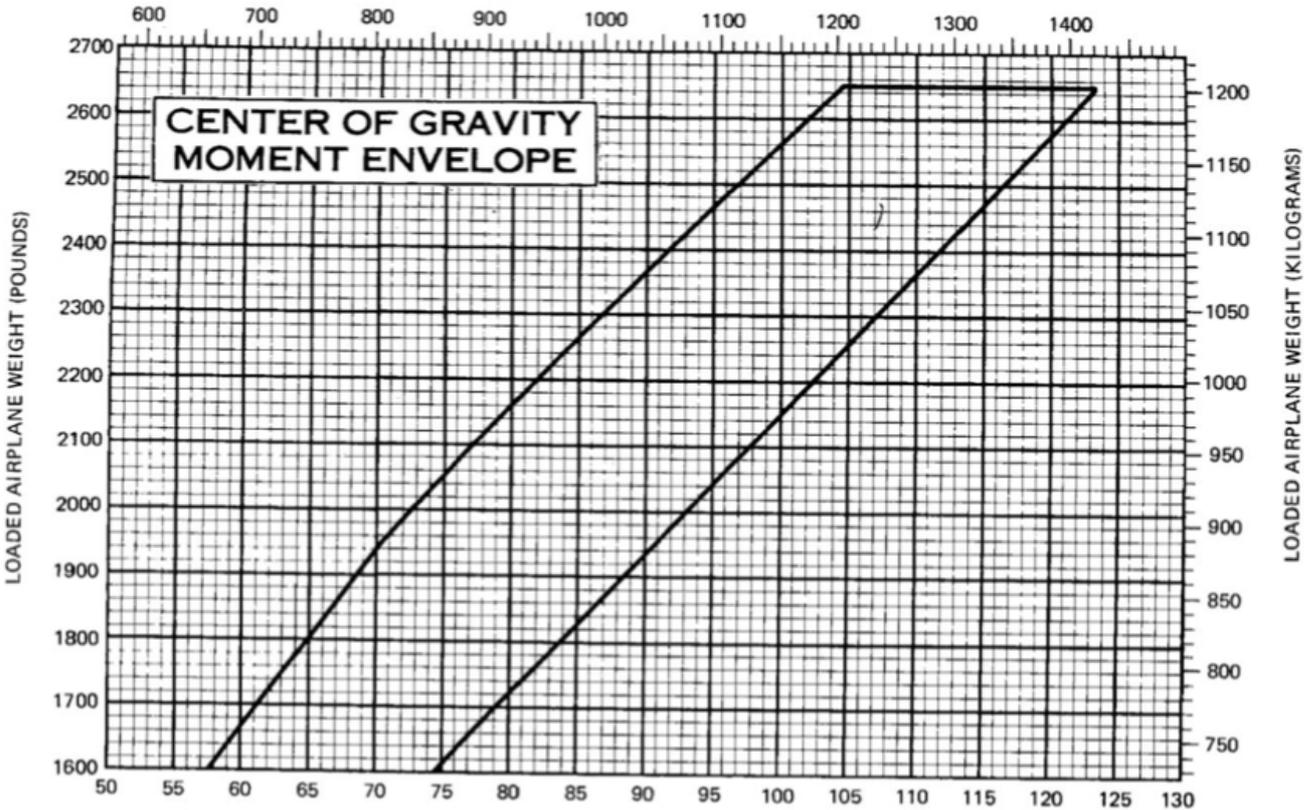
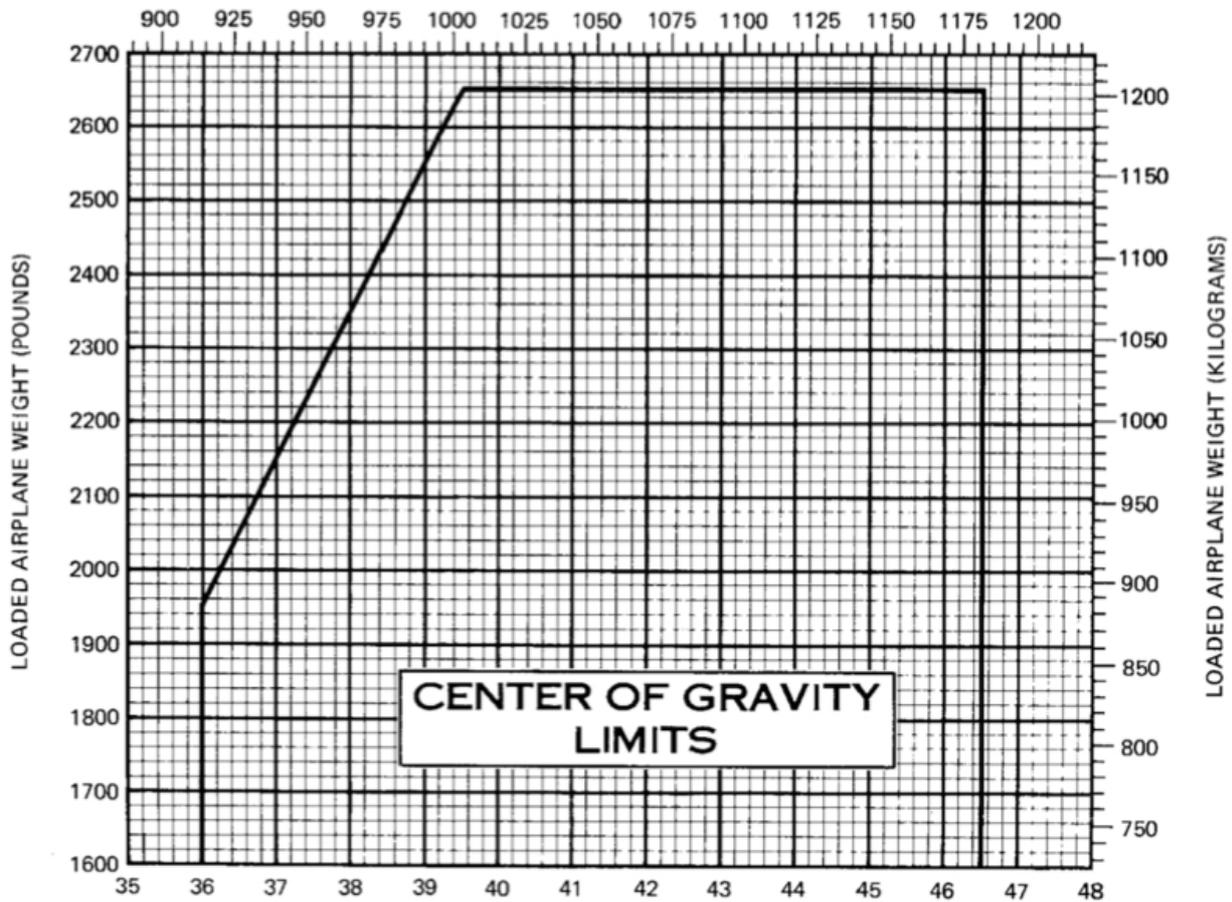


LOADED AIRPLANE MOMENT/1000 (KILOGRAM-MILLIMETERS)



LOADED AIRPLANE MOMENT/1000 (POUND-INCHES)

AIRPLANE C.G. LOCATION - MILLIMETERS AFT OF DATUM (STA. 0.0)



AIRPLANE C.G. LOCATION - INCHES AFT OF DATUM (STA. 0.0)

SANTA MONICA FLYERS

N9378D WEIGHT AND BALANCE

ref 7/19/2022

| | Weight Pounds (lb) | Arm Inches (in) | Moment lbin. |
|---------------------|--------------------|---------------------|--------------|
| Empty Weight | 1734.15 | 39.51 (Empty CG) | 68,516.27 |
| Pilot and Passenger | | 34 to 46 | |
| Rear Passengers | | 73 | |
| Baggage Area 1 | | 95 | |
| Baggage Area 2 | | 123 | |
| Fuel Tanks | | 48 | |
| Total Weight | | Total Moment | |

Total Moment ÷ Total Weight = CG

CG =

Instructions:

1. Add the weights of all the things loaded into the aircraft to the empty weight of the aircraft. This gives you your total weight.
2. Calculate the moment of each item loaded into the aircraft. (Weight x Arm)
3. Add the moments together including the moment of the empty aircraft.
4. Divide the total moments by the total weights to calculate your Center of Gravity. (CG)

NOTE:

Fuel Weights 6lbs/gallon

Max Takeoff Weight: 2650 lbs

Max Weight in Baggage Area 1: 200 lbs Baggage Area 2: 50 lbs

THIS MAXIMUM GROSS WEIGHT OF 1320 LBS MUST NEVER BE EXCEEDED!!