

BASIC WEIGHT AND BALANCE RECORD												
CONTINUOUS HISTORY OF CHANGES IN STRUCTURE OR EQUIPMENT AFFECTING WEIGHT AND BALANCE												
ACFT MODEL 1973 Cessna 172M				ACFT SERIAL NO. 17261391			REGISTRATION NUMBER N20556			PAGE 1 of 1		
DATE	ITEM NO.		DESCRIPTION OF ARTICLE OR MODIFICATION	WEIGHT CHANGE						RUNNING TOTAL		
				ADDED (+)			REMOVED (-)			BASIC AIRCRAFT		
	WEIGHT	LONG ARM		MOMENT	WEIGHT	LONG ARM	MOMENT	WEIGHT IN LBS	LONG ARM	MOMENT		
11-Aug-11			Previous Recorded W&B							1452.50	41.27	59946.06
29-Nov-17	X		AMEREX HAND FIRE EXTINGUISHER	2.36	81.94	193.28				2.36	81.94	193.28
29-Nov-17	X		FIRST AID KIT	0.62	102.5	63.55				0.62	102.5	63.55
NEW BASIC WEIGHT AND BALANCE										1455.5	41.36	60,202.89

Douglas Sorge A&P

EVENT	Time of Day	Leg Delta Time	Total Delta Time		leg fuel rate (gph)	leg Fuel (g)	Total Fuel Burn	Rmng Fuel
Engine Start AJO	1530							
Depart AJO	1540	10	10			1	1	37
Climb to 3000'	1543	4	14			1	2	36
1 GA at EMT	1647	1:03	1:17		8 (+1g/a)	9	11	27
Land EMT (incl 1 GA)	1653	6	1:23			1	12	26
Engine Start EMT	1523		0					
Depart EMT	1527	4	4			1	13	25
Climb to 3500'	1531	4	8			1	14	24
Accident	1615	44	52		8	6	20	18

A+A1:G46JO TAKEOFF Wt & CG

Mains Full

Item	Station	Weight	Max Wt	Moment
EW	41.36	1455.5	2300	60199.48
Ft seat Pilot	37	140		5180
Ft Seat Pax	37	0		0
Rear seat 1	73			0
Rear seat 2	73	0		0
Baggage Compt	95	30	181.5	2850
				0
Wing Main Fuel	47.8	228	38g	10898.4
				0
TOTAL	42.69	1853.5		79127.88

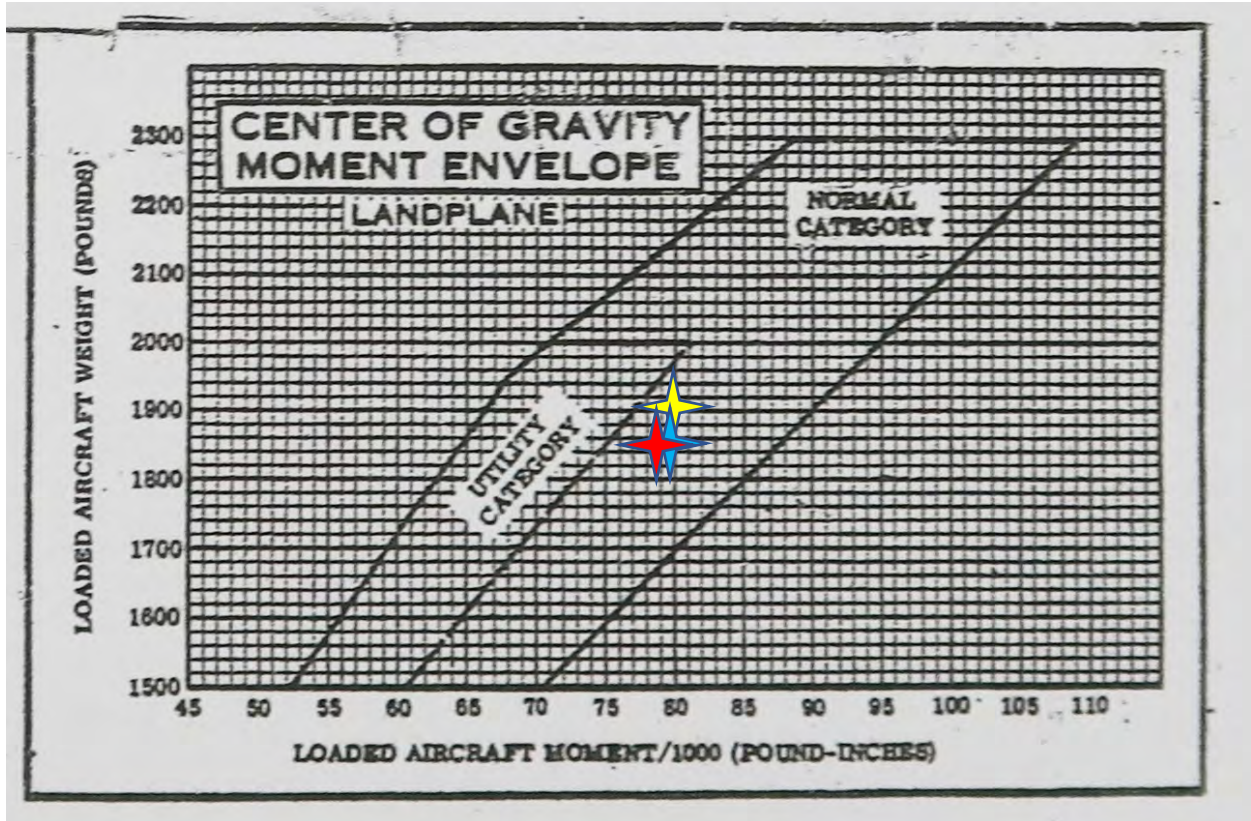
EMT TAKEOFF Wt & CG

Mains down 12 gallons (72 lbs)

Item	Station	Weight	Max Wt	Moment
EW	41.36	1455.5	2300	60199.48
Ft seat Pilot	37	140		5180
Ft Seat Pax	37	100		3700
Rear seat 1	73	20		1460
Rear seat 2	73	0		0
Baggage Compt	95	30	181.5	2850
				0
Wing Main Fuel	47.8	156	38g	7456.8
				0
TOTAL	42.52	1901.5		80846.28

	Accident Wt & CG					
	Mains Down 20 gallons (120 lbs)					
	Item	Station	Weight	Max Wt	Moment	
	EW	41.36	1455.5	2300	60199.48	
	Ft seat Pilot	37	140		5180	
	Ft Seat Pax	37	100		3700	
	Rear seat 1	73	20		1460	
	Rear seat 2	73	0		0	
	Baggage Compt	95	30	181.5	2850	
					0	
	Wing Main Fuel	47.8	108	38g	5162.4	
	TOTAL	42.38	1853.5		78551.88	

WPR19FA080
Estimated N20556 W&B



 Estimated AJO Takeoff Values

WEIGHT (Lbs)	CG (inches)		Moment (in-lbs)
1853.5	42.69		79127.88

 Estimated EMT Takeoff Values

WEIGHT (Lbs)	CG (inches)		Moment (in-lbs)
1901.5	42.52		80846.28

 Estimated Accident Values

WEIGHT (Lbs)	CG (inches)		Moment (in-lbs)
1853.5	42.38		78551.88