

Civil Air Patrol Official Weight and Balance

Mission/Sortie #		VFR		KGPM 080315Z AUTO 36005KT 10SM SCT039 SCT070 22/18 A2999 RMK AO1 DA1856 FZLVL7854					
06/08/2012 03:19 UTC	WB Cert: 3-4-2005		Seat Loaded	Vs	Vx	Vg	Vy	Va	
Tail Number	TX	Flight Time		47	63	58	76	87	
N98463	CAP4243	1.0	Short Field TOGR / 50' OBS		566		1022		
C172Ps RD/WT/BL		SGR	GPM						
Fuel Tank Configuration (US gals)				S					
Full Tanks	43.0	3/4	32.3	Weight & Balance		GO			
Middle Tab		1/2	21.5						
Bottom Tab		1/4	10.8	Performance		GO			
Custom Fuel		TOT FUEL	43.0						
Taxi Fuel	-1.4		26.5	Warm Weather		GO			
Fuel Burn (8.4 GPH)	13.5	FOB (NR)	2:57						
Reserve (Minutes)	60	FOB (WR)	1:57	Cold Weather		GO			
Load Details - (Avail. Useful Load = 705 lbs)									
				Safety Details / Crew Manifest					
Condition	Wt (lbs)	Arm	Moment			Wt (lbs)	Arm	Moment	
Basic Empty WT	1560.0	38.7	60325.0	Zero Fuel (ZFW)		1613.4	40.8	65836.0	
Usable Fuel (lbs)	240.0	48.0	11520.0	PIC	NAME	ID	UNIT		
R 1 Seat 1		40.0							
R 1 Seat 2		40.0		EQUIP	TYPE	Condition	GW		
R 2 Seat 3		73.0		FM Radio	Techsonic	Max Ramp	2557		
R 2 Seat 4		73.0		RPTR/P	NA	Max TOGW	2550		
R 3 Seat 5		96.0		Photo W	NA	Max LGW	2550		
R 3 Seat 6		96.0		SDIS	NA	Max X-Wind	15		
R 4				Becker	NA				
				GPS	5000				
Baggage / Cargo Configuration									
Baggage	Wt (lbs)	Wt (lbs)	Mean Arm	Moment			Wt (lbs)	Arm	Moment
A - 120	38.8		95.0	3686.0	Ramp Wt		1853.4	41.7	77356.0
B - 50	14.6		125.0	1825.0	Taxi Fuel		-8.4	48.0	-403.2
					Takeoff Wt (TOGW)		1845.0	41.7	76952.8
					Fuel Burn (WR)		-159.0	48.0	-7632.0
					Landing Wt (FTLW)		1764.0	41.4	73064.8
					Landing Wt (RLW)		1686.0	41.1	69320.8
REMARKS									
-									

