Kelin Eberly

I talked to Kelin in the late afternoon of 20 Oct. 2015, after having flown with him that morning.

He weighs 215 pounds.

Training conducted by Alan with him included: slow flight, stalls, turns about a point, various emergency procedures.

Kelin flew with Alan last on 29 Sep. 2015. He remembers that a weight and balance was calculated, that the fuel load was 16 gallons, and that fuel remaining at the flight's end was 5 gallons, distributed 2 left/3 right.

MyRightTrain indicates that the flight lasted 1.2 hours. Estimated fuel burn for that length of time, at 6.5 gallons per hour, would have been 7.8 gallons, leaving 8.2 gallons on board.

The next flight occurred on 30 Sep. 2015, and appears to have been a proficiency flight, probably with Nathan Stoddard. 6 gallons of fuel were added. The flight lasted .9 hours.

Joseph Quilter

6449M was flown by Joseph Quilter on 1 Oct. 2015.

On that occasion, 6 gallons of fuel were added, bringing the total to 20 gallons, as measured by sticking the tanks. The flight was for 1.6 hours, which implies a fuel burn of 10.4 gallons, leaving an estimated 9.6 gallons.

Alan Carver

Alan took 6449M on a proficiency flight with Nathan on 5 Oct. 2015. 14 gallons of fuel were added, making the total an estimated 23 gallons.

			projecte	I for s	5 Oct 201	5								
		C-15 Pre-Flight D	52 64	49M										
2.7	Take Off Landing	–		d Balance					1	e Here			Altimeter Setting	Pressure Altitude Conversion
Aircraft # _]	Max Ta	ke Off Weigh	1704	2				1 eet	di s	a inter		28.0 28.1 28.2	Factor 1.824 1.727 1.630
Field Elevation	1	Take Off	Weight	x Arm =	Moment	STATION (C.G. ARM)			sands of f				28.2 28.3 28.4 28.5	1,533
Altimeter	14.	Basic Weight	1228	_X=	38804.8		FI	T	de - Thou		lers .		28.6 28.7 28.8 28.9	1,340 1,244 1,148 1,053 957
Setting _		_Fuel _	138	_x <u>42</u> =	5796.0	*39	-[]		ity Altitu		Uper .		29.1 29.2 29.3	603 768 673 579
Temp Celsius	1	Front Seat	338	x <u>39</u> =	131820	(33 TO 41			ate Dens		C C		28.3 28.5 28.6 28.6 28.9 29.1 29.3 29.5 29.5 29.5 29.5 29.9 29.9 29.9 29.9	1.053 957 963 768 673 405 392 298 205 112 20 0 0
Pressure		Rear Seat	N/A	_X=	·	**64 -		EA 1	Approxim		FED FED		29.5 29.9 29.92 30.0	-73 -73
Altitude _		_Baggage 1 _		_X=	·	**84		EA 2			¢.		29.92 30.0 30.1 30.2 30.3 30.4 30.5 30.6	-257 -348 -440
Density Altitude		Baggage 2		-×=	·	94 -		D SEATING	°C .	18 -12 -7 - 0 10 20 3	1 4 10 16 0 40 50 60	21 27 32 70 80 90	30.5 30.6 30.7 30.8 30.9	0 -73 -165 -257 -348 -440 -531 -622 -712 -803
Runway		Totals	1704	×=	57,782.8	NOTES: 1.	The usab arm for u	e fuel C.G. a sable fuel in l	m for stand		e Air Temperature		31.0	-893 -963
Length _		CG is	33.99	inches aft o	f datum	2.	The aft b	aunage wall (a	aterovineta	etation 041 ann		onvenient interio selage_stations.	or .	~ 1
				302										
Take Off Distance	1	Max La	anding Weigh	1670	-	S.,.		~				with 20		11,1
Distance _	l	Max La Landing	anding Weigh Weight	t]670 X Arm =	- Moment	• . E	775	~				WIH 20 DATUM (STA. 0.0 900		Ares 1.
					Moment	1700 III		AJAPLANE	C.G. LOCATI	ON-MILLIMET	ERS AFT OF D	WIL 20 DATUM (STA. 0.1	D)	Mret 1.
Distance _		Landing		x Arm =	- Moment	SONDOJ		AJAPLANE	C.G. LOCATI	ON-MILLIMET	ERS AFT OF D	WIL 20 DATUM (STA. 0.1	D)	Mret 1.
Distance		Landing Basic Weight		X Arm = _X=	Moment	SONDOJ		AJAPLANE	C.G. LOCATI	ON-MILLIMET	ERS AFT OF D	WIL 20 DATUM (STA. 0.1	D)	Area 1. 800 775 (Swy 4 750 725 725 700 12
Distance _ T/O over 50 obstacle		Landing Basic Weight Fuel		x Arm = _X= _x=	Moment	MEIGHT (POUNDS)		AJAPLANE	C.G. LOCATI	CN-ANLLIMET 850	ERS AFT OF D 875	WIL 20 DATUM (STA. 0.1	D)	Arca 1. 600 775 (SMVU 9071) 725 725 700 11 H013 675 H013
Distance _ T/O over 50 obstacle [Landing Distance _ Land over		Landing Basic Weight Fuel Front Seat		x Arm = _X= _x=	- Moment	SUNDOI 1600 1100 1100 1100 1100 1100 1100 1100		AJAPLANE	C.G. LOCATI	CN-ANILLIMET 850	ERS AFT OF D 875	WIL 20 DATUM (STA. 0.1	D)	Arca 1. 600 775 (SMVU 9071) 725 725 700 11 H013 675 H013
Distance _ T/O over 50 obstacle [Landing Distance _ Land over 50 obstacle _ Range 9000 ft _		Landing Basic Weight Fuel Front Seat		x Arm = _X= _x=	Moment	SUNDOI 1600 1100 1100 1100 1100 1100 1100 1100		AJAPLANE	C.G. LOCATI	CN-ANILLIMET 850	ERS AFT OF D 875	WIL 20 DATUM (STA. 0.1	D)	Arca 1. 600 775 (SMVU 9071) 725 725 700 11 H013 675 H013
Distance _ T/O over 50 obstacle [Landing Distance _ Land over 50 obstacle _ Range		Landing Basic Weight Fuel _ Front Seat _ Rear Seat _ Baggage 1 _		x Arm = _X= _x=	Moment	SONDO4) THOLEN JUNCT		AJAPLANE	C.G. LOCATI	CN-ANILLIMET 850	ERS AFT OF D 875	WIL 20 DATUM (STA. 0.1	D)	Arca 1. 800 775 (SWVU00778) 725 725 700 114 675 140 675 140 600 140 600 140 575

Figure 6-9. Center of Gravity Limits