

Aircraft Weight and Balance Revision Form

Date: 02/26/2016

Aircraft

Tail No: N1649M
 Make: Cessna
 Model: 182
 Serial: 18264402
 Time: Hobbs: 01.4
 TCD No: 3A13

Registered Owner

Name: Richard Crosby
 Address: 4500 Davis Road
 Macon, GA 31217

Weight **CG Range**

Maximum Weight: 2950.00 FWD: 33.0 AFT: 48.5

As Received

Previous Weight and Balance Date: 09/23/2015

Empty Weight: 1885.35	Useful Load: 1064.65	Empty Weight CG: 43.25	Moment: 81544.53
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Item	Weight	Arm	Moment
McCauley 2 blade prop spinner	-49.00	-41.5	2033.50
McCauley 3 blade prop Spinner	-3.00	-42.0	126.00
	79.40	-41.5	-3295.10
	3.00	-42.0	-126.00

New

Empty Weight: 1915.75	Useful Load: 1034.25	Empty Weight CG: 41.91	Moment: 80282.9
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Notes:

As Calculated: ☒ As Weighed: ☐

Prepared By: Dan Giallourakis
 DGW Aircraft Service LLC
 155 Lake Wildwood Dr.
 Macon GA 31220-2640

Signature: _____
 Printed Name: Dan Giallourakis
 Repair Agency No: *APR Sullivan 1974666 IA*

Weight / Balance & Equipment List Revision

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Precision Avionics Specialists - PAOR-392K

207 Barry Whatley Way, Griffin Spalding Co. Airport 6A2

Griffin, GA 30224 Tel: 770-946-8555

A/C Tail #: N1649M
Register Name: RICHARD CROSBY
Name 2:
Address 1: 4500 DAVIS RD.
Address 2:
City, State, PC: MACON, GA 31217

A/C Make: CESSNA
A/C Model: 182P
A/C Serial #: 18264402
WO Ref #: 10593
WB Date: Feb-17-2016
WB ID #: 609

Previous data taken from document dated Sep-23-2015

Model #	Description	Weight	CG/Arm	Moment
	Previous data ->	1885.35	43.25	81544.53
REMOVED ITEMS -----				
CESSNA	MANIFOLD PRESSURE	-0.09	14.20	-1.28
CESSNA	VSI	-0.70	14.20	-9.94
CESSNA	TACH	-1.00	14.20	-14.20
GEM-602	INSIGHT ENGINE MONITER	-0.12	14.20	-1.70
NY-163	STORMSCOPE ANT	-0.80	74.20	-59.36
WX-950	STORMSCOPE	-2.90	14.20	-41.18
REMOVED SUB TOTAL	6 Items @	-5.61	22.76	-127.66
INSTALLED ITEMS -----				
EDM-900	CHT.EGT/OIL TEMP N/A	2.50	15.00	37.50
GDC-74A	HIRF AIR DATA 010-00336-10	2.30	60.00	138.00
GDU-620	DISPLAY 010-00482-50	7.00	14.20	99.40
GMU-44	MAGNETOMETER 010-00296-00	0.50	79.00	39.50
GRS-77	AHARS 010-00295-10	3.50	60.00	210.00
MID CONT	USB CHARGER TA-102	0.60	15.00	9.00
INSTALLED SUB TOTAL	6 Items @	16.40	32.52	533.40
NEW DATA >>		1896.14	43.22	81950.27

Scott Collin

Authorized Individual : PAOR-392K Scott Collins

Clinton Aero Maintenance
Hyde Field

10501 Piscataway Rd
Clinton, Maryland 20735
(301)-297-7808

Weight & Balance

Reg #: 1649M

Make: Cessna

Model: 182P

SN: 18264402

Gross Weight: 2950.00

Empty weight: 1888.00

Empty Weight C.G.: 43.10

Registered Owner

Useful Load 1062.00

Name:

Address:

Scale Position	Scale Reading	Tare	Symbol	Net Weight
Left Wheel	817	10	L	807.00
Right Wheel	803	11	R	792.00
Nose Wheel	709	0	N	709.00
Aircraft Empty Weight (As Weighed)				2308.00

$$x = \text{Arm} = (A) - ((N) * (B) / W)$$

$$X = \text{Arm} = 38.00$$

$$A = 58.125$$

$$B = 65.5$$

$$N = 709$$

$$W = 2308$$

	Weight	Arm	Moment
Aircraft as Weighed	2308.0	35.23	81311
less Full Fuel	-450.0	-0.05	23
Unusable fuel	30.0	1.53	46
Total	1888.0	43.10	81380

Aircraft Empty Weight: 1888.0

Aircraft Empty Weight C.G.: 43.10

Aircraft Useful Load @ 2950 Lbs Gross: 1062.0

Date: 28-Aug-12

Signature:

Printed Name:

License #:

Gary A. Bielstein

A&P 151-4-2806

Clinton Aero Maintenance
Hyde Field

10501 Picataway Rd
Clinton, Maryland 20735
(301)-297-7808

Equipment List Revision

Reg #: N1649M
Make: Cessna
Model: 182P
SN: 18264402

This Equipment list to be used in conjunction with the original equipment list with the following changes at the time of weighing. Weight and Balance sheet Dated 28 Aug 2012

Registered Owner

Name: Babseas Inc.

Address: 3511 Silverside Rd Ste 105
Wilmington, DE 19810-4902

Item Description	Removed	Installed
Narco CP 136M Audio Panel S/N 76497		X
Narco NCS 812 Nav/Comm S/N N50354		X
Garmin GNS-430W Nav/Comm/GPS		X
GA35 GPS Antenna		X
GI-106A CDI		X
Stec Alt-30 Altitude Hold System		X
Narco AT 165 Transponder		X
Cessna 300 ADF		X
Cessna 300 Autopilot		X
Precision Aviation PAI-700 Vertical Compass		X
Sigtronics SPA-400 Intercom System		X
WX950 Stromscope P/N 805-10930-001		X
WX950 Antenna P/N 805-10930-001		X
Insight GEM 602, S/N 9937		X
"Ventube" vents		X
Rosen Sunvisors		X
Whelen Tail Beacon Model 70509		X
Whelen Wing tip strobe assy P/N A610		X
Astrotech Corporation LC-2 Clock		X
Airwolf Filter Kit AFC-K008		X
Ameri-King ELT Model AK450, S/N 354583		X
SkyBolt (Camlock-Type) Cowl Kit		X
Precise Flight SVS V		X

Date: 31 AUG 2012

Completed By:

Cam A. Bulster

License #:

AAP 151-40-2806

CESSNA AIRCRAFT COMPANY

WICHITA, KANSAS

Weight & Balance and Installed Equipment Data

CONTROL NUMBER	DATE	MODEL	REGISTRATION NUMBER	CESSNA SERIAL NUMBER
614313	10/24/73	SKYLANE II WITH NAV-PAC	N1649M	18264462

ITEM	WEIGHT	ARM	MOMENT
STANDARD AIRPLANE (EMPTY, DRY)	1660.1	35.2	58436
INCLUDING ALL REQUIRED AND STANDARD EQUIPMENT ITEMS			
UNUSABLE FUEL 5.0 GALLONS	30.0	46.0	1380
FULL OIL 12.0 QUARTS	22.5	15.0	338
STANDARD EMPTY WEIGHT	1712.6	34.7	59478
OPTIONAL EQUIPMENT REPLACING CR. IN ADDITION TO REQUIRED AND STANDARD EQUIPMENT ITEMS			
ALLOVER EXT 520 LATIGO/COOPER BROWN/VES WHT	NEGL.		
INTERIOR OF CHESTNUT BROWN FABRIC/WOODGRAIN	NEGL.		
NAV-PAC STD	10.7	42.0	715
300 NAVCOM (RT32BT) 720 COM 200 NAV W/VOR/LDC STD	NEGL.		
300 ADF (4546F) W/HFC W/ROTATABLE CARD IND STD	NEGL.		
300 TRANSPONDER-LOW ALTITUDE STD RT355A	NEGL.		
200A NAVMATIC STD	NEGL.		
GAUGE CASBURETOR AIR TEMPERATURE	1.0	5.5	6
RECORDER FLIGHT HOUR	.8	11.8	4
APPROACH PLATE HOLDER	.1	27.5	3
EIGHTS INSTRUMENT POST TYPE	.5	17.5	4
PRIME SYSTEM ENGINE	1.0	15.0	15
SEAT FRONT LH ARTICULATING VERT ADJ EXCH	11.0	32.5	424
SEAT FRONT RH STD	NEGL.		
VENTILATION SYSTEM REAR SEAT	3.0	62.3	224
WINDOW RIGHT HAND DOOR HINGED EXCH	2.3	47.0	108
MODEL SKYLANE II	64.1	40.7	2609
BASIC EMPTY WEIGHT	1813.7	35.1	63570
USEFUL LOAD	1136.3		
MAXIMUM TAKE-OFF WEIGHT	2950.0		

182 - EQUIPMENT LIST - (1976) -

SERIAL 64407 N 1619M ENG. O-470-3 SERIAL 467521
 PROP. 2A34C203/90DCA-8 (C161009-0104) 755632
 LANDING GEAR SERIAL - LEFT 657919 RIGHT 658112 NOSE 112246

SKYLANE - STANDARD EQUIPMENT

Alternator - 60 amp

Pairings, Wing Strut
 Fuel Quick Drain Valves
 Gauge M/P
 Hub Caps
 Light Dome
 Light, Map & Instr. Panel
 Lights, Landing Cowl Mtd.
 Tachometer, Recording
 Ind., Stall Warning - Audible

Lighter, Cigarette
 Net Baggage
 Priming Syst. Eng. Manual
 Shoulder Harness, P. & Co-P.
 Tires, 5:00 X 6 M/G 5 ply
 5:00 X 5 N/G 5 ply
 Window, Hinged (L.H.)
 Windshield & Windows Tinted
 Approach Plate Light

Altimeter, Sens. (Exch.)
 Clock
 Curtain, Rear Window
 Pairings, Speed Wheel
 Gauge, O.A.T.
 Ind., Airspeed

Gyros H/D w/ fac. Syst.
 Ind., Turn Coord.
 Ind., Vert. Speed
 Paint, All-Over
 Sun Visors (2)
 Tow Bar

SKYLANE II - Add to Skyline

Ind., T.A.S.
 Ground Serv. Plug
 Dual Controls
 Nav. Light Detrs.
 Extnd. Range Wings
 Heated Pitot & Stall Warning
 Courtesy Lights

Omni Flash Beacon
 E. L. T.
 300 Nav/Com 100/LOC
 300 ACF W/EF3
 300 Transponder
 200A Nav-O-Matic
 Alt. Static Source

PAGE NO. C9-000-A5
REVISION 1-3-75

Cessna AIRCRAFT COMPANY

PRODUCT INSPECTION RECORD

Form 670C-1 Rev. 73
MODEL 182

SERIAL 64402

11-25-75 PAWNER DIVISION Date

Ident. N 1649M

PRE-DELIVERY INSPECTION - SINGLE ENGINE

INSPECTOR

1. CONTROL SURFACE BOLTS & HINGES - VISUAL INSPECTION.
2. ENGINE CONTROL LINKAGE & ATTACH BOLTS - VISUAL INSPECTION.
3. LANDING GEAR WELLS FOR HYD. LEAK, ATTACH PTGS., BOLTS, ETC.
4. FLIGHT & ENGINE CONTROLS OPERATE PROPERLY.
5. CONTROL COLUMNS FOR SECURITY OF ATTACHMENT @ YOKE & END OF CONTROL TUBE.
6. SAFETY BELT ATTACHMENTS & SEAT STOPS SECURE, ALL SEATS.
7. BASIC ELECTRICAL SYSTEM OPERATES PROPERLY.
8. BRAKES CHECKED, TIRES PROPERLY INFLATED.
9. FUEL TANKS FULL - "CAPS SECURED". FUEL STRAINER DRAINED.
10. ACTUAL OIL MEASUREMENT - "CAP & STICK SECURE".
11. REMOVE SERIAL # TAPE FROM PWD. ENGINE Baffle.
12. OXYGEN SYSTEM FULLY CHARGED. (AS APPLICABLE).
13. OPERATIONS LIMITATIONS - CORRECT PLACARD INSTALLED.
14. AIRWORTHINESS, WEIGHT & BALANCE, COMPASS CARD INSTALLED.
15. AIRPLANE CLEAN INSIDE & OUT, PITOT & STATIC PORTS NOT OBSTRUCTED.

LOOSE EQUIPMENT INSTALLED, (AS APPLICABLE).

APPROACH PLATE HOLDER

CIGAR LIGHTER

HEADPHONES

"V" BRACE - FLOAT KIT

OXYGEN MASKS

WINTER KIT

FUEL SAMPLER CUP

CONTROL LOCK

SPARE KEY

ASH TRAYS (CLEAN)

JACK POINTS

CARGO NET

SPARE PARTS KIT

MICROPHONE

TOW BAR

REMARKS:

EQUIPMENT SERIAL NUMBERS

AIRCRAFT MODEL 182 SERIAL 64402 REGISTRATION N1644M
 ENGINE F 463521 R PROPELLER F 755633 R

INSTRUMENT	AVIONICS	NO.1	NO.2 84
TURN COORDINATOR	NAV/COM TRANCVR.	<u>8520</u>	8520
TURN & BANK	NAV. INDICATOR	<u>1151</u>	<u>2115</u>
HORIZON GYRO	COMM. TRANCVR.		
DIRECTIONAL GYRO	NAV. RECEIVER		
SLAVE GYRO	NAV/COM VOLT. CONV.		
ALTIMETER	ACCESSORY UNIT		
SENS. ALT. F/T DATE	H.F. ANTENNA LOAD BOX		
VERT. SPEED IND.	H.F. CONTROL HEAD		
AIRSPD IND.	ADF RECEIVER	<u>10239</u>	
CAB. PRESS. GAUGE	ADF LOOP ANTENNA	<u>12857</u>	
CAB. RATE OF CHANGE	ADF IND.	<u>10255</u>	
ENCODING ALTIMETER	GLIDESLOPE RECEIVER	<u>3631</u>	
AUTOPILOT	MKR. BCN. RECEIVER	<u>1656</u>	
ROLL ACTUATOR	TRANSPONDER R/T UNIT	<u>6436</u>	
PITCH ACTUATOR	DME R/T UNIT		
PITCH TRIM ACTUATOR	DME INDICATOR		
COMPUTER AMPLIFIER	E. L. T.	<u>157.013</u>	
CONTROLLER			
OMNI-COUPLER			
PITCH TRIM SENSOR			
MODE SELECTOR			
FLUX DETECTOR			

BATTERY
Form 1-278

Xm 8508

signed

DATE