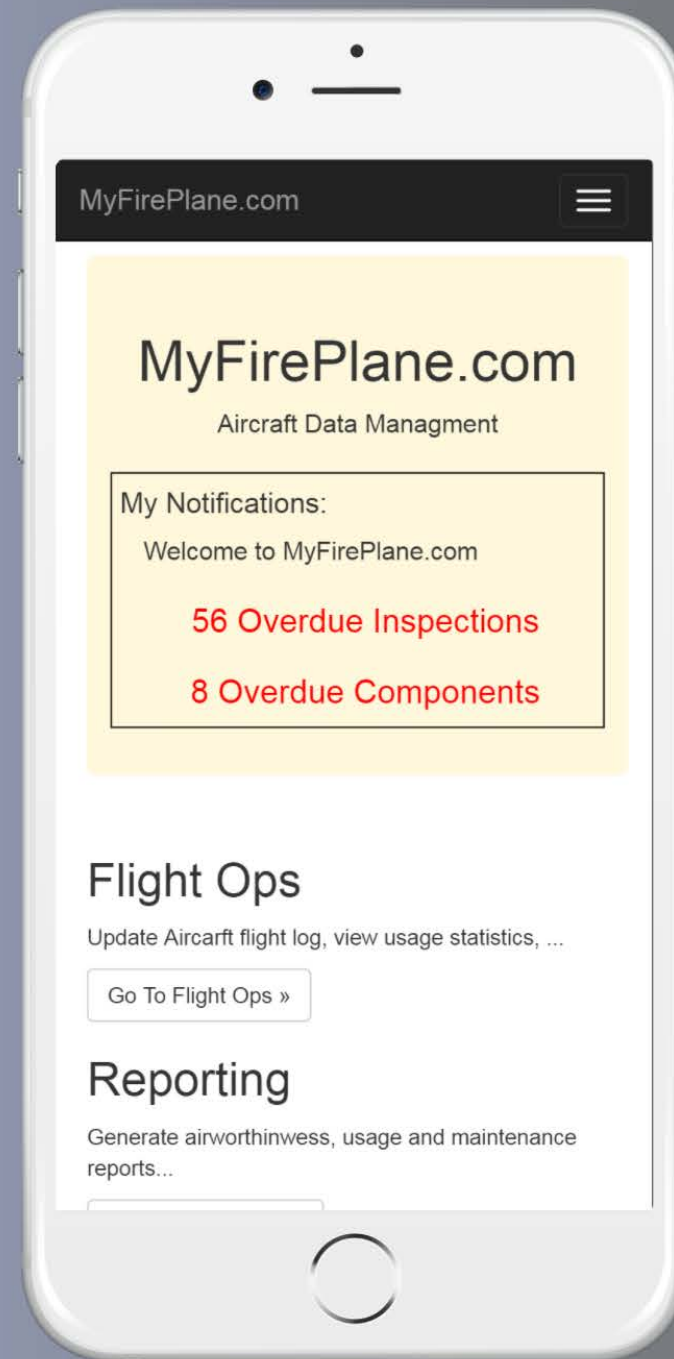


MyFirePlane.com is the app designed specifically for operators of single engine air tankers.

START NOW!



MyFirePlane.com Feature Guide

Weight and Balance

Thank you for your interest in the MyFirePlane.com app!

The MyFirePlane.com weight and balance system is designed to provide a quick, simple and accurate verification of your airplane's weight and balance prior to every flight.

CG(in) =



=



Step 1 – Create a Weight and Balance Baseline

In MyFirePlane.com, weight and balance baselines are meant to be derived from an actual weighing of your airplane or from a calculated W&B after some maintenance / modification has been performed.

To begin, navigate to maintenance.

MyFirePlane.com Navigation Aircraft: 802A-1234 Hello, myNewUsername! Log

MyFirePlane.com

Aircraft Data Management

My Notifications:
Welcome to MyFirePlane.com

Flight Ops

Update Aircraft flight log, view usage statistics, ...

[Go To Flight Ops »](#)

Reporting

Generate airworthiness, usage and maintenance reports...

[Go To My Reports »](#)

Maintenance

Archive all of your aircraft service document and data in a single location.

[Go To My Maintenance Page »](#)

Library

Browse manuals, service letters and technical documentation

Cloud

View your pictures, videos and data.

Tools

Useful calculators and mapping utilities.

Then to Weight and Balance.

MyFirePlane.com

Squawk List

Add / Remove / View Aircraft Maintenance Issues

[Go To My Squawks »](#)

Component Tracking

[Go To My Component Tracking »](#)

Inspection Tracking

[Go To My Inspection Tracking »](#)

Aircraft Totals Adjustment

Adjust aircraft total time, starts, landings, etc. to reflect current totals.

[Go To Aircraft Totals Adjustment »](#)

Weight and Balance

Update empty weight, firm installed components

[Go To My W&B »](#)

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Step 1 Continued...

From here, you can create a new baseline or modify an existing one. If you have never entered a weight and balance...create a new one.

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MyFirePlane.com Weight and Balance

Current Weight and Balance Information

Date	Total Time	Empty Weight	Empty CG	Remarks
<input type="button" value="Show All"/>				

Tasks

Perform a calculated weight and balance. Add / Remove Components.

Weigh aircraft, record installed equipment. Results will become new baseline W&B.

Fill in as shown.

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Baseline Weight and Balance

Weight and Balance Data

Date:

Total Time:

Empty Weight (lb):

Empty Cg (in):

Remarks:

Step 1 Continued...

Document the equipment that is installed for this weight and balance. You can select from the published AFM equipment list or create your own equipment.

Note: The selected equipment should be included in the weight and CG entered.

Select From Equipment List			
Description	Weight	Arm	Moment
Attitude Gyro	2.5	74.0	185.0
Attitude Gyro (Digital RCA2600)	0.5	74.0	37.0
Automatic Flagman	15.0	49.0	735.0
Batteries	121.5	-18.0	-2187.0
Cockpit Heater	13.0	38.0	494.0
Conventional Fire Gate	86.0	22.0	1892.0
Crop Hawk Flowmeter	8.0	60.0	480.0
Directional Gyro	2.5	73.0	182.5
Drift Finder Smoker	18.0	100.0	1800.0
ELT	4.0	94.0	376.0
Fire Extinguisher (Halon)	6.0	84.0	504.0
Fire Extinguisher (Dry Chemical)	6.0	84.0	504.0

Settings

- Show Fuel Burned Input
- Show Water Landings / Scoops Input
- Show Acres Covered Input
- Show Drops Input
- Show Dispersal Qty Input

Weight and Balance:

Save when done.

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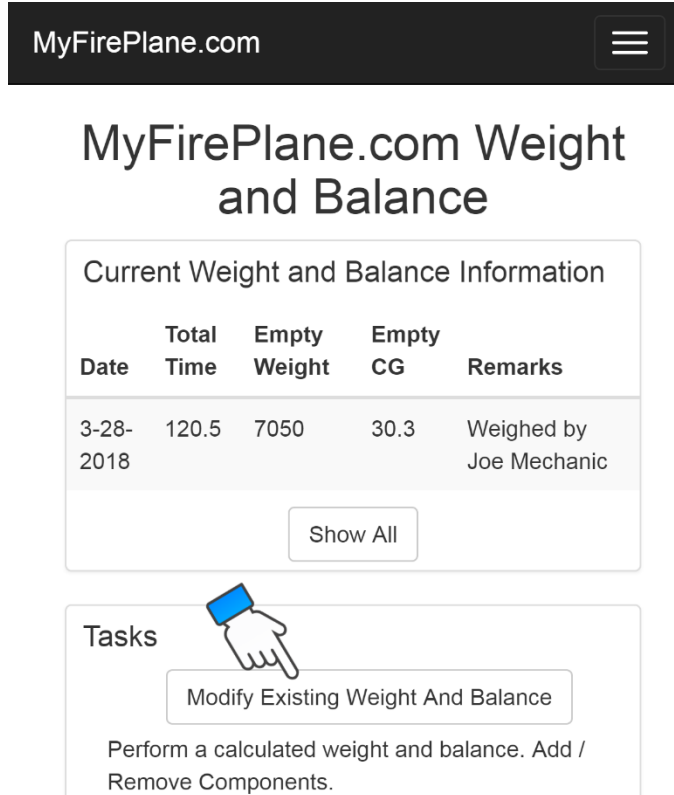
Installed Equipment

	Weight	CG	Moment
Fire Gate Spray System	122.0	66.0	8052.0
Foam Tank	36.0	-28.0	-1008.0
Hopper Rinse System	35.2	-27.8	-978.6
Garmin SL40 COM	3.1	76.0	235.6
Garmin GNS 430 GPS NAV COM	6.5	76.0	494.0
Fire Extinguisher (Dry Chemical)	6.0	84.0	504.0
ELT	4.0	94.0	376.0
Cockpit Heater	13.0	38.0	494.0
Attitude Gyro (Digital RCA2600)	0.5	74.0	37.0

Step 2 Continued...

Now that you have a W&B baseline, you can easily account for adding or removing equipment.

Navigate to Modify Existing Weight and Balance



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MyFirePlane.com Weight and Balance

Current Weight and Balance Information

Date	Total Time	Empty Weight	Empty CG	Remarks
3-28-2018	120.5	7050	30.3	Weighed by Joe Mechanic

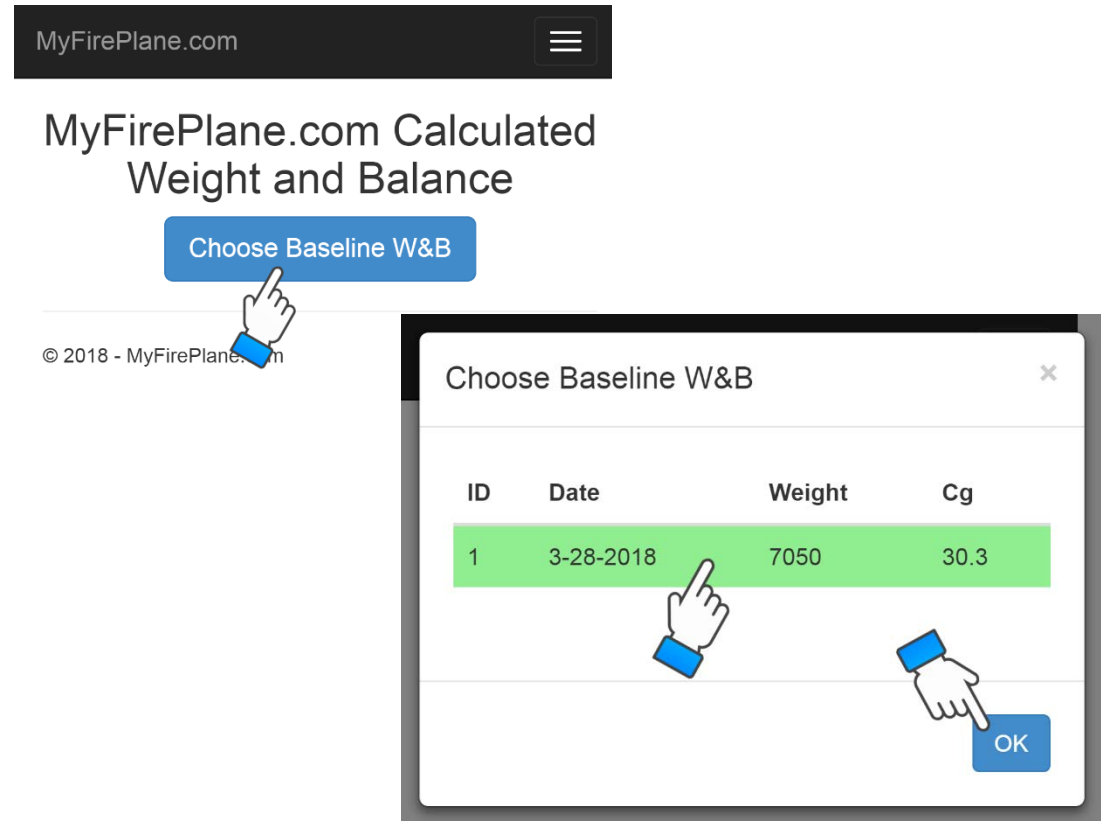
Show All

Tasks

Modify Existing Weight And Balance

Perform a calculated weight and balance. Add / Remove Components.

Choose the previously performed weight and balance to use as a baseline



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MyFirePlane.com Calculated Weight and Balance

Choose Baseline W&B

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Choose Baseline W&B

ID	Date	Weight	Cg
1	3-28-2018	7050	30.3

OK

Step 2 – Modify an Existing W&B

Select to add or remove equipment.

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Attitude Gyro (Digital RCA2600)	0.5	74.0	37.0
Batteries	121.5	-18.0	-2187.0
ELT	4.0	94.0	376.0
Fire Extinguisher (Dry Chemical)	6.0	84.0	504.0
Fire Gate (Computerized)	411.0	22.0	9042.0
Garmin GNS 430 GPS NAV COM	6.5	76.0	494.0
IPad Holder	1.2	27.5	33.0

Add Equipment From AFM Equipment List
Add Custom Equipment Remove Equipment

	Weight	CG	Moment
After Mod W&B →	7051.2	30.3	2324324

Cancel Save

Enter pertinent details for custom equipment.

Custom Equipment

Description:
IPad Holder

Weight:
1.2

Arm:
27.5

Cancel OK

Don't forget to save.

MyFirePlane.com

Attitude Gyro (Digital RCA2600)	0.5	74.0	37.0
Batteries	121.5	-18.0	-2187.0
ELT	4.0	94.0	376.0
Fire Extinguisher (Dry Chemical)	6.0	84.0	504.0
Fire Gate (Computerized)	411.0	22.0	9042.0
Garmin GNS 430 GPS NAV COM	6.5	76.0	494.0
IPad Holder	1.2	27.5	33.0

Add Equipment From AFM Equipment List
Add Custom Equipment Remove Equipment

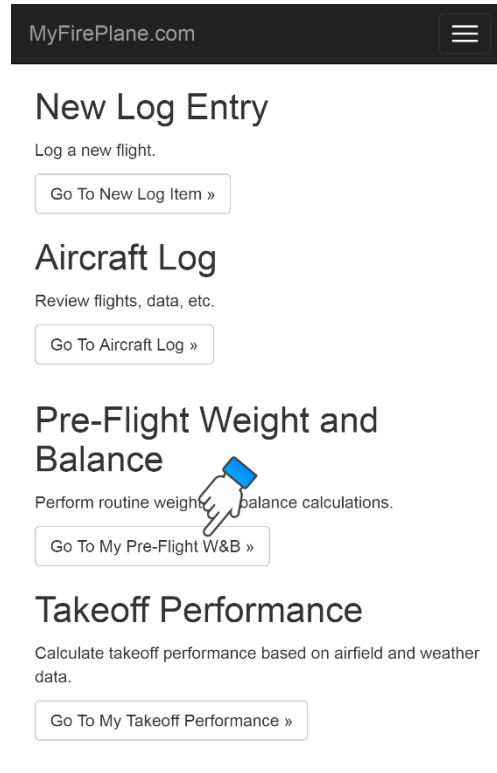
	Weight	CG	Moment
After Mod W&B →	7051.2	30.3	2324324

Cancel Save

Step 3 – Pre-Flight Weight and Balance

You have a saved airplane weight and balance...now what? Use the data of course.

Navigate to Flight Ops then select Pre-Flight Weight and Balance.



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New Log Entry
Log a new flight.
[Go To New Log Item »](#)

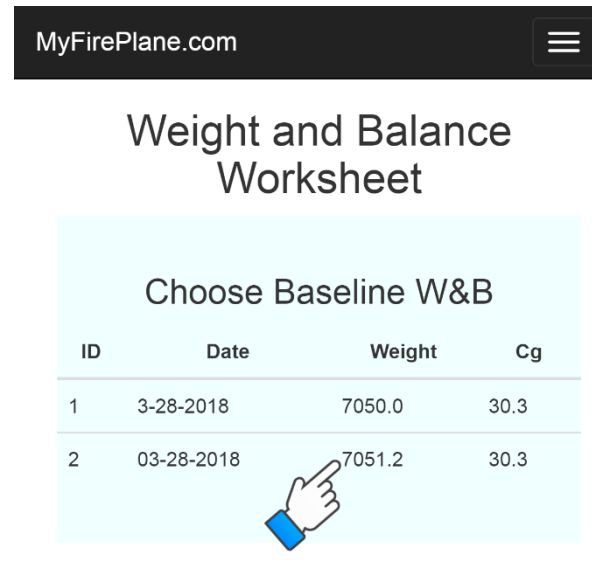
Aircraft Log
Review flights, data, etc.
[Go To Aircraft Log »](#)

Pre-Flight Weight and Balance
Perform routine weight balance calculations.
[Go To My Pre-Flight W&B »](#)

Takeoff Performance
Calculate takeoff performance based on airfield and weather data.
[Go To My Takeoff Performance »](#)

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Select the actual or calculated weight and balance to use as the flight's baseline W&B.



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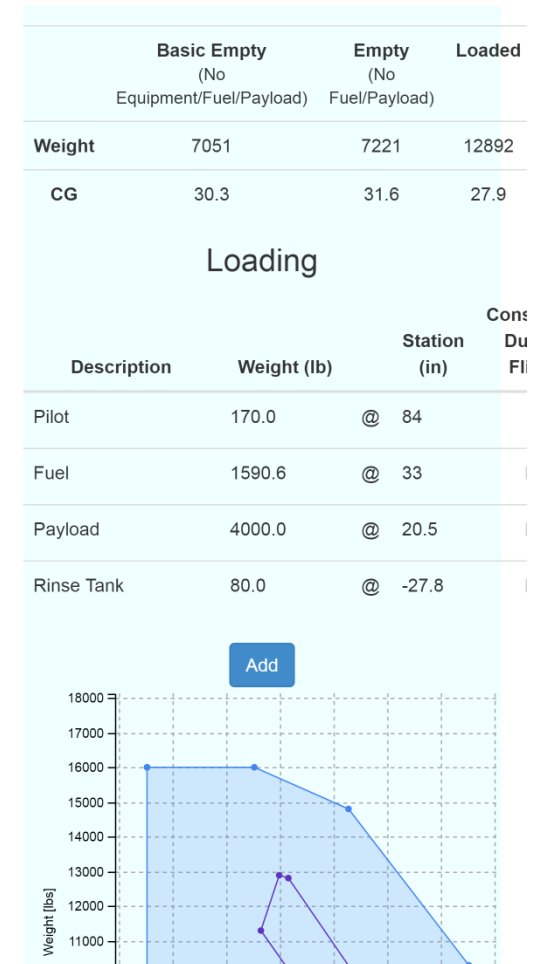
Weight and Balance Worksheet

Choose Baseline W&B

ID	Date	Weight	Cg
1	3-28-2018	7050.0	30.3
2	03-28-2018	7051.2	30.3

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Set the loading variables to calculate.

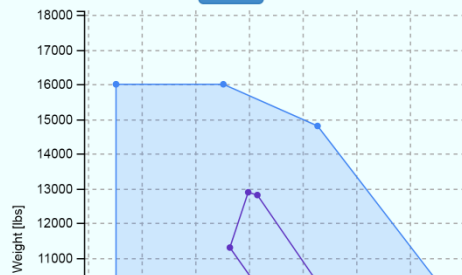


	Basic Empty (No Equipment/Fuel/Payload)	Empty (No Fuel/Payload)	Loaded
Weight	7051	7221	12892
CG	30.3	31.6	27.9

Loading

Description	Weight (lb)	Station (in)	Cons Du Fl
Pilot	170.0	@ 84	
Fuel	1590.6	@ 33	
Payload	4000.0	@ 20.5	
Rinse Tank	80.0	@ -27.8	

[Add](#)



Weight (lbs)

The graph shows a line representing the weight distribution across different stations. The y-axis is labeled 'Weight (lbs)' and ranges from 11000 to 18000. The x-axis represents stationing. A blue shaded area under the line indicates the total weight at various points. A hand icon points to the 'Add' button above the graph.

Step 3 Continued...

Add a short description and don't forget to save.

You now have a pre-flight weight and balance calculated for the loading you have selected which is based off of a previously performed, maintenance level weight and balance. You can link to a flight log to maintain a record in case it should be needed.

Cool, huh.

Legal Note

You are responsible for ensuring that you are operating your airplane within the operating limits of the approved AFM. MyFirePlane.com is offered as a tool to help you ensure that you are doing so but it is ultimately your responsibility to verify this is true.

As such, MyFirePlane.com and all related entities cannot and will not accept any liability for the use of this product. Please review the MyFirePlane.com terms and conditions.

