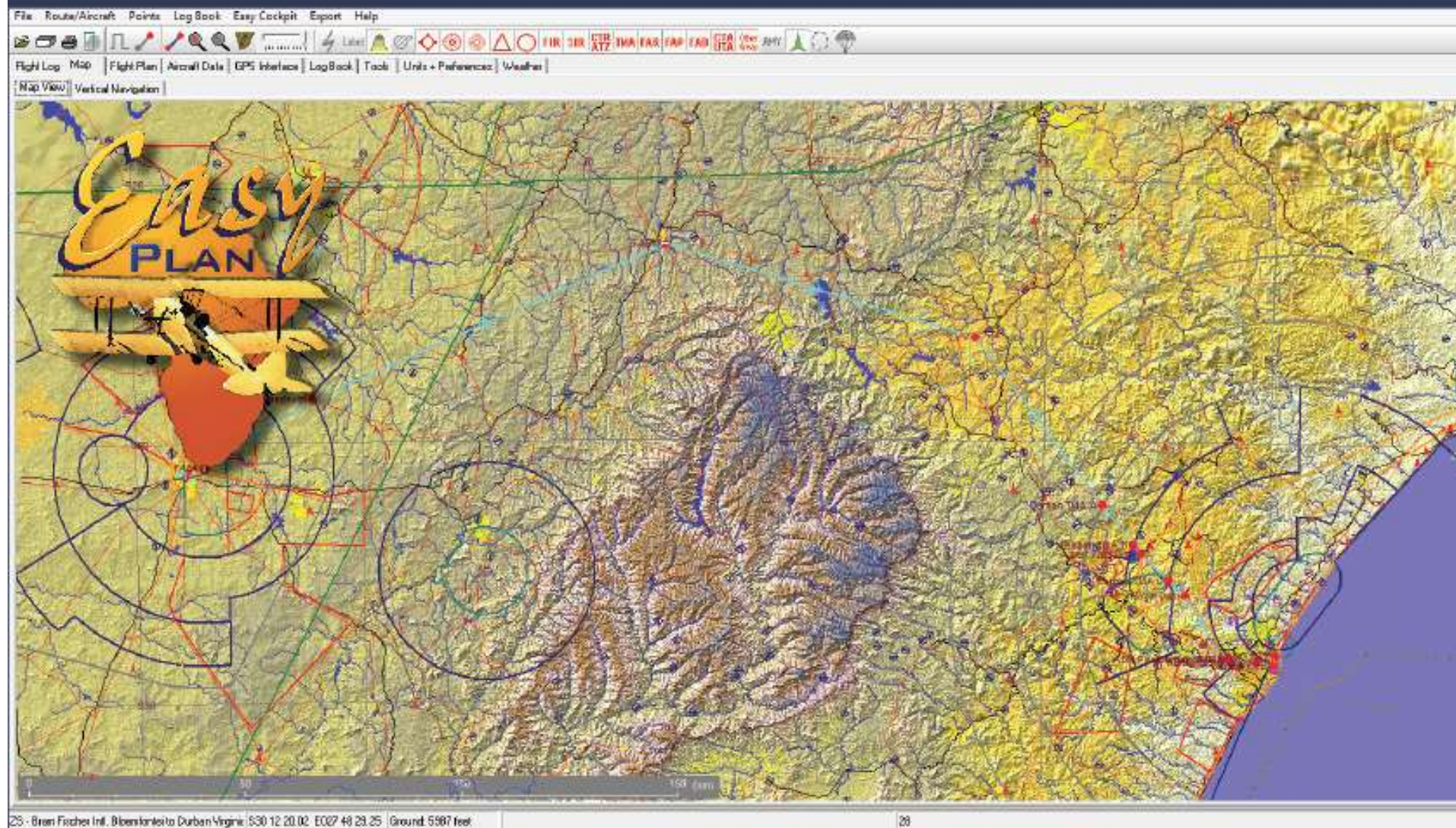


TRAINING

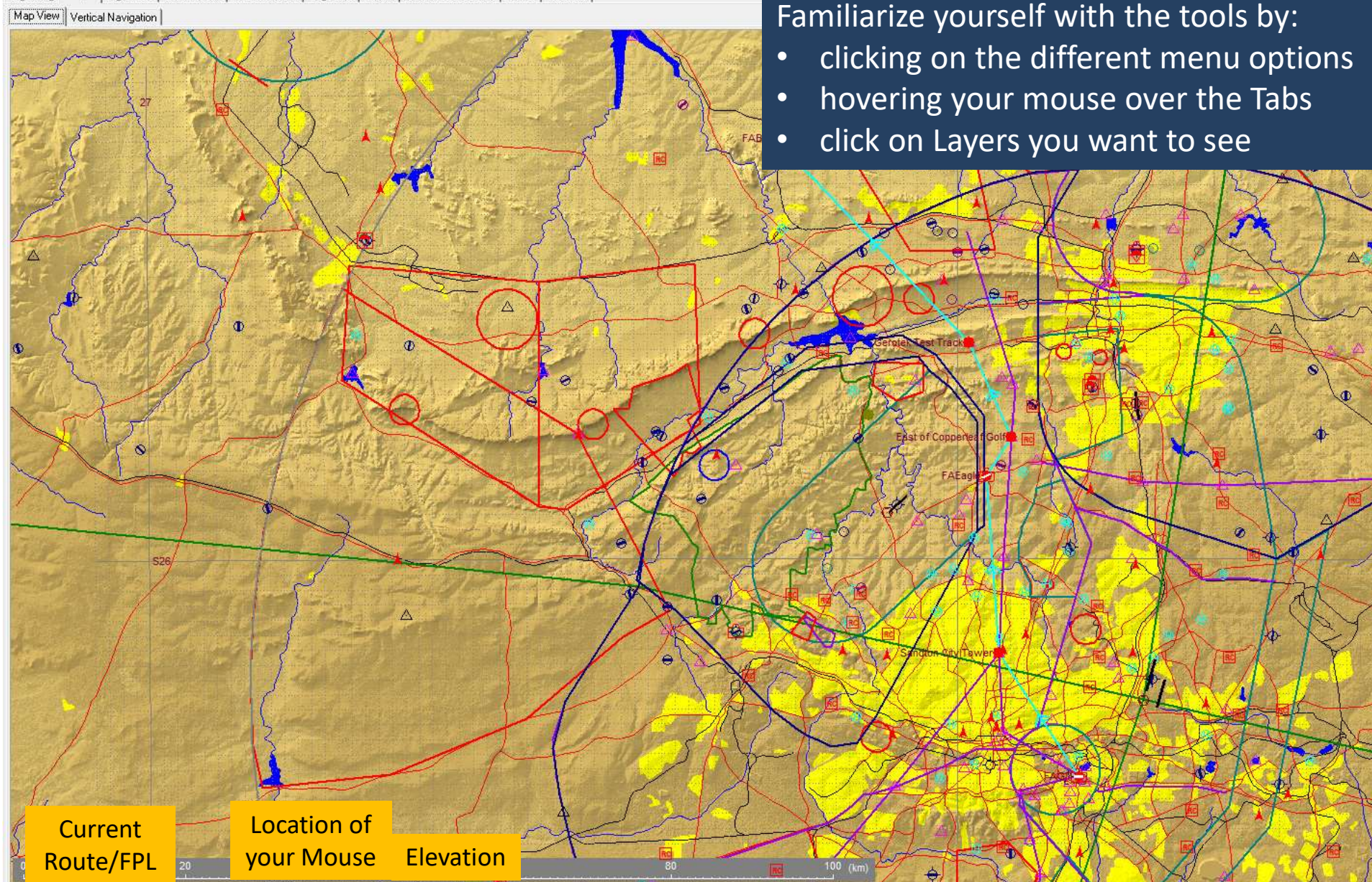


17 Celtis Crescent, Fourways Gardens, South Africa
Tel. +27 11 465 2669 Fax 086 540 0934 Cell 072 340 9943
www.aviationdirect.co.za

Where to start ...

1. Install EasyPlan
2. Register EasyPlan
3. Finalize installation process
4. Open EasyPlan
5. Familiarize yourself with the buttons





Familiarize yourself with the tools by:

- clicking on the different menu options
- hovering your mouse over the Tabs
- click on Layers you want to see

Current
Route/FPL

Location of
your Mouse

Elevation

Set up your units & preferences!

1. General Configuration
2. Flight Log
3. Map
4. Map Colours
5. Flight Plan
6. Logbook



General Configuration

EasyPlan 3.090.02

File Route/Aircraft Points Log Book Easy Cockpit Export Help

Flight Log Map Flight Plan Aircraft Data GPS Interface Log Book Tools **Units + Preferences** Weather

General Config Flight Log Map Map Colours Flight Plan Log Book

Display Preferences

☐ Display Seconds

Latitude / Longitude

☐ dd mm.m

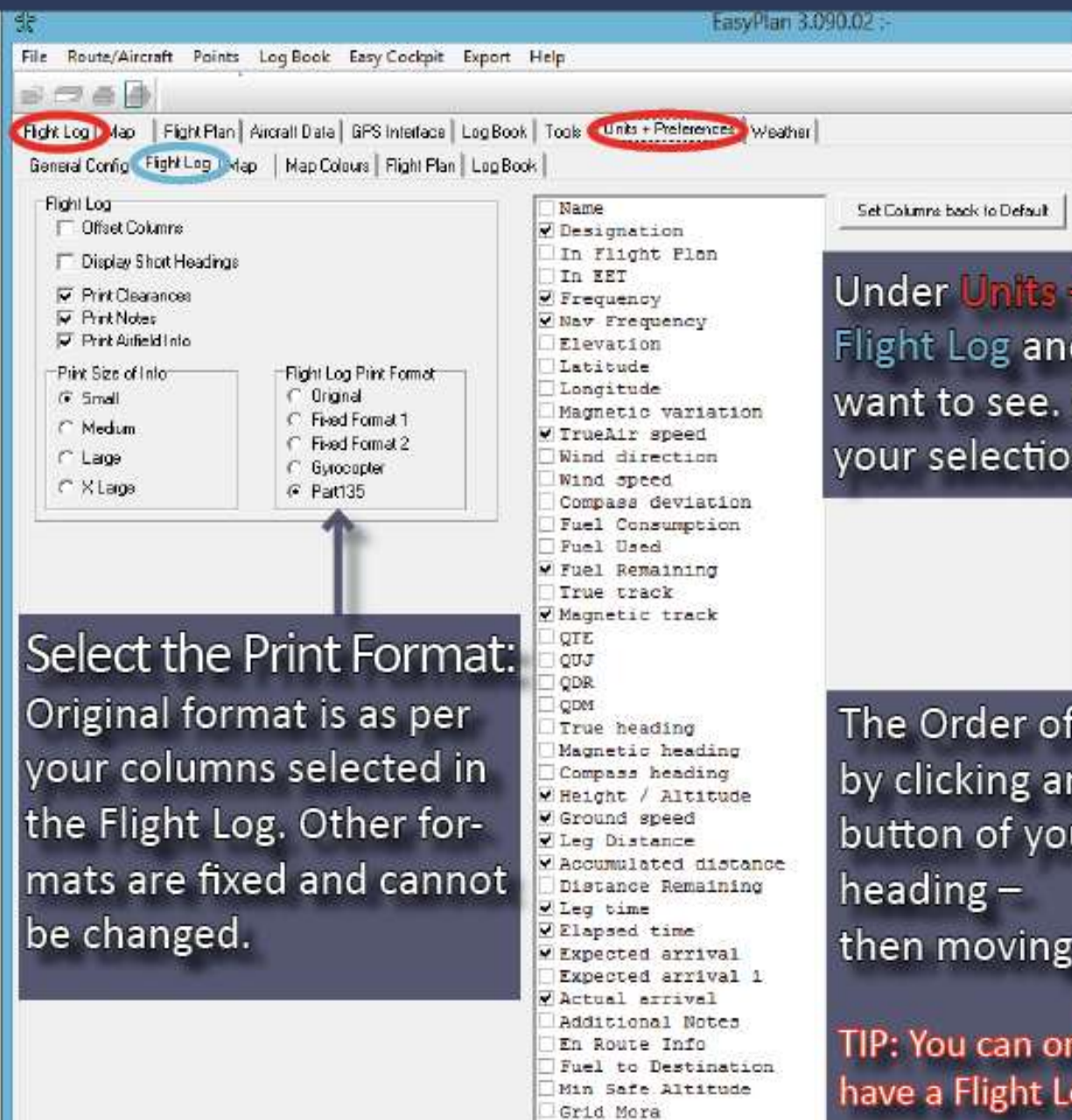
☐ dd mm ss

☒ dd mm ss.ss

Set Defaults

Units

Speed Units	Distance Units	Fuel Units	Fuel Density	Arm Units	Weight Units
<input checked="" type="radio"/> knots	<input checked="" type="radio"/> Nautical Miles	<input checked="" type="radio"/> gal	<input checked="" type="radio"/> lbs/gal	<input checked="" type="radio"/> inches	<input checked="" type="radio"/> lbs
<input type="radio"/> mph	<input type="radio"/> Statute Miles	<input type="radio"/> litres	<input type="radio"/> lbs/litre	<input type="radio"/> cm	<input type="radio"/> kgs
<input type="radio"/> kph	<input type="radio"/> Kilometers	<input type="radio"/> lbs	<input type="radio"/> kg/gal		
		<input type="radio"/> kg	<input type="radio"/> kg/litre		



Flight Log

Under **Units + Preferences**, select the **Flight Log** and select the columns you want to see. Go back to **Flight Log** and your selection will be there.

Select the Print Format: Original format is as per your columns selected in the Flight Log. Other formats are fixed and cannot be changed.

The Order of columns can be changed by clicking and holding down the Left button of your mouse on the column heading – then moving it to the desired position!

TIP: You can only do this when you don't have a Flight Log open.

File Route/Aircraft Points Log Book Easy Cockpit Export Help

Flight Log Map Flight Plan Aircraft Data GPS Interface Log Book Tools Units + Preferences Test Weather

Log Notes

Identifier	Freq	Nav. Freq	True Alt (ft)	Wind	Wind	Fuel	Fuel	Fuel remain (litres)	Magnetic track (deg)	Magnetic heading (deg)	Altitude/TL	Ground speed (knots)	Leg Distance (nm)	Accum. distance (nm)	Leg time	Elapsed time	Expected Arrival	Actual Arrival	En Route Info
FALA	124.0							1366.4						9		00:00:00	14:00:00		
FALA TMA	125.6							1363.3	241	241	7000FT	230	23	23	00:06:05	00:06:05	14:06:05		
JHB TMA	119.5		230	0	0	30.3	15.5	1362.3	241	241	7000FT	230	8	31	00:02:04	00:08:10	14:08:10		
FABL FIR	110.6		230	0	0	30.3	29.3	1340.4	242	242	FL085	230	07	120	00:26:24	00:33:34	14:33:34		
FAKM TMA	120.3		230	0	0	30.3	38.6	1339.2	243	243	FL085	230	78	207	00:20:24	00:53:58	14:53:58		
FAKM TMA	119.4		230	0	0	30.3	47.7	1230.1	244	244	FL085	230	69	276	00:19:02	01:11:59	15:11:59		
FACT FIR	120.3		230	0	0	30.3	66.2	1312.6	245	245	FL085	230	133	409	00:31:38	01:48:37	15:48:37		
FACT TMA	126.5		230	0	0	30.3	94.5	1283.2	249	249	FL085	230	223	632	00:58:09	02:44:46	16:44:46		
FACT TMA	119.7		230	0	0	30.3	97.1	1280.6	251	251	FL085	230	20	652	00:05:12	02:49:58	16:49:58		
FACT TMA	119.7		230	0	0	30.3	98.4	1279.3	251	251	FL045	230	10	662	00:02:36	02:52:35	16:52:35		
FACT CTR	119.7		230	0	0	30.3	99.9	1277.9	251	251	2500FT	230	11	673	00:02:55	02:55:29	16:55:29		
FACT	118.1		230	0	0	30.3	101.1	1276.7	251	251	1500FT	230	9	681	00:02:17	02:57:47	16:57:47		

You can also hide columns here by left clicking on the column heading and selecting "Column Off".

File Route/Aircraft Points Log Book Easy Cockpit Export Help

Flight Log Map Flight Plan Aircraft Data GPS Interface Log Book Tools Units + Preferences Test Weather

Log Notes

Name	Identifier	Freq.	Nav. Freq.	Lat. (deg S)	Long. (deg E)	Magnetic Variation (deg W)	True Airspeed (knots)	Fuel Used (litres)	Fuel Remain (litres)	Magnetic Track (deg)	Altitude/ FL	Ground Speed (knots)	Leg Distance (nm)	Accum. Distance (nm)	Leg Time	Elapsed Time	Expected Arrival	Additional Note	En Route Info
Latteria Int	FALA	124.0		S25 58	E027 55	17		18.9	314.7					0		00:00:00	14:00:00		
TOC01	TOC01	124.0		S26 01	E027 50	17	120	22.8	310.5	241	CLIMB	108	7	7	00:01:36	00:03:36	14:03:36		
FALA TMA	FALA TMA	125.8		S26 13	E027 37	17	160	28.2	304.9	241	7000FT	148	17	23	00:06:48	00:10:26	14:10:26		
JHB TMA	JHB TMA	119.5		S26 19	E027 31	17	160	35.8	302.3	241	7000FT	148	8	31	00:01:13	00:13:39	14:13:39		
TOC02	TOC02	119.5		S26 22	E027 28	17	120	33.0	300.1	241	CLIMB	108	4	35	00:02:08	00:15:47	14:15:47		
FABL FR	FABL FR	119.5		S27 30	E026 16	19	160	64.5	266.6	242	FL085	146	94	125	00:38:25	00:54:12	14:54:12		
FAKM TMA	FAKM TMA	120.3		S28 28	E025 15	20	160	90.2	242.9	243	FL085	150	78	207	00:31:21	01:25:33	15:25:33		
Kimberley	FAKM	118.6		S28 46	E024 46	20	160	101.1	232.0	249	FL085	151							
FAKM TMA	FAKM TMA	119.4		S28 16	E024 20	20	160	112.7	220.4	240	FL085	153							
FACT FR	FACT FR	120.3		S30 50	E022 31	22	160	155.5	177.6	246	FL085	153							
FACT TMA	FACT TMA	126.5		S33 24	E019 20	24	160	225.4	107.7	249	FL085	157							
DE904	DE904	126.5		S33 02	E019 11	24	160	229.9	104.2	251	FL085	154							
FACT TMA	FACT TMA	119.7		S33 38	E019 03	24	170	231.0	102.1	251	DESC	184							

EN ROUTE INFO:

This column is used to indicate a special event en route. Click on a cell in the EN-Route column to select options.

Touch and Go: An additional 6 minutes is added to the accumulated time and the corresponding amount of fuel is consumed.

Stop with no Fuel Added: When doing fuel calculations an extra 6 minutes and "taxi fuel" is added for each approach and landing.

Stop and Fill Main tank from Aux Tanks: The fuel level in the Main and Aux Tanks is filled up to the level set by the "Total Fuel Capacity Main Tanks" and "Total Fuel Capacity Aux Tanks". See Aircraft Performance.

Stop and Fill Main Tanks from fuel pump: The fuel level in the Main tank only is filled up to the level set by the "Total Fuel Capacity Main Tanks".

Stop and Fill Aux Tanks from fuel pump: The fuel level in the Aux Tank is filled up to the level set by the "Total Fuel Capacity Aux Tanks".

Stop and Fill Main and Aux tank from Aux from fuel pump: The available fuel in the Aux tank is transferred to the main tanks.

EN Route Info

[FAKM - Kimberley]

Fuel Status and Stops

- ☐ No Stop
- ☐ Touch and Go
- ☐ Stop with no fuel added
- ☐ Stop and Fill Main tank from Aux
- ☐ Stop and Fill Main tank from fuel pump
- ☒ Stop and Fill Aux tank from fuel pump
- ☐ Stop and Fill Main and Aux tank from fuel pump

Cancel OK

Map preferences



EasyPlan 3.090.02 :-

File Route/Aircraft Points Log Book Easy Cockpit Export Help



Flight Log Map Flight Plan Aircraft Data GPS Interface Log Book Tools **Units + Preferences** Weather

General Config Flight Log **Map** Map Colours Flight Plan Log Book

Display of Map Ground Features

- ☒ Road
- ☒ Rail
- ☒ Rivers
- ☒ Dams
- ☒ International Borders
- ☒ Populated Areas
- ☒ Elevation
- ☒ 3D Elevation Gradient
- ☒ Hi Definition Elevation

Filter Level

- ☐ All
- ☒ Main
- ☐ National

Auto Filter Detail

- ☐ All
- ☐ More Detail
- ☐ Normal
- ☒ Less Detail

Ground Feature Hint

- ☐ Off
- ☐ Hint Only
- ☒ Hint and Highlight

Printing Map

- ☒ Print Vertical Nav
- ☐ Print In Black
- ☐ Print Screen Colours

Print Terrain Elevation

- ☒ Off
- ☐ Light Colour
- ☐ Normal Colour

- ☐ Save Print Image

Aeronautical Borders

- ☒ Auto
- ☐ Thin Lines
- ☐ Thick Lines

Aeronautical Symbols

- ☒ Auto
- ☐ Small
- ☐ Medium
- ☐ Large
- ☐ Extra large

Track Width (miles)

- ☐ 1
- ☐ 2
- ☐ 5
- ☒ 10
- ☐ 20

Reporting Point Filter

- ☒ All
- ☐ IFR
- ☐ VFR

Airfield Filter

- ☐ Not Helipoint or Microlight
- ☐ Registered
- ☐ Un-registered
- ☒ All
- ☐ Microlight
- ☐ Fuel Available
- ☐ Helipoint

Display Labels

- ☐ Label Roads
- ☐ Label Rail
- ☐ Label Rivers
- ☐ Label Dams
- ☐ Label Towns
- ☐ Label Air Spaces
- ☐ Label Airfields
- ☐ Label VDRs
- ☐ Label NDBs
- ☐ Label Reporting
- ☐ Label Other
- ☐ Shorten Names
- ☐ Label Route

TIP: Printing:
if you map is suddenly not
printing, try to do a Print
Screen and print the screen
image.

Map Colours

EasyPlan 3.090.02 :-

File Route/Aircraft Points Log Book Easy Cockpit Export Help



Flight Log Map Flight Plan Aircraft Data GPS Interface Log Book Tools **Units + Preference** Weather

General Config Flight Log Map **Map Colours** Flight Plan Log Book

General Colours

- Label Text
- Grid Lines
- Ruler Text
- Ruler
- Background
- Sea
- Runways
- Runway Center

Set Default

Area Colours

- FIR
- CTR/ATZ
- TMA
- FAR
- FAP
- FAD
- UTA/CTA
- Other
- Airways

Set Default

Point Colours

- Airfields
- Microlight
- VOR
- VOR-DME
- NDB
- IFR Reporting
- VFR Reporting
- Other
- Heliport

Set Default

Terrain Colours

- Int. Borders
- Rivers
- Dams
- Roads
- Rail
- Pop. Areas

Set Default

Route Colours

- Highlight Colour
- Route Colour
- Point Colour
- Alternate Point

Set Default

Other Colours

- Wind Symbol
- Obstacles

Set Default

Grnd Elevation Colours

- Sea Level
- 1000 FT
- 2000 FT
- 3000 FT
- 4000 FT
- 5000 FT
- 6000 FT
- 7000 FT
- 8000 FT
- 9000 FT
- 10000 FT
- 11000 FT
- 12000 FT

Set Default:

1	2	3	4
5	6	7	8

BLACK SCREEN - TIP: If your EasyPlan suddenly displays a black screen - go to Map Colours and reset all colours to default.

Flight Plan preferences

File Route/Aircraft Points Log Book Easy Cockpit Export Help

Flight Log | Map | Flight Plan | Aircraft Data | GPS Interface | Log Book | Tools | Units + Preferences | Weather |

General Config | Flight Log | Map | Map Colours | Flight Plan | Log Book |

Flight Plan

☒ Automatically Update FP

☒ Use Cruising Speed

Country: REPUBLIC OF SOUTH AFRICA

REPUBLIC OF SOUTH AFRICA

NAMIBIA

SWAZILAND

MOZAMBIQUE

BOTSWANA

ANGOLA

MALAWI

ZAMBIA

Untick “Automatically Update Flight Plan” if you have made special changes to the Flight Plan and don’t want them overwritten.

After a Flight Plan has been created, click on "Update and check Flight Plan".

File Route/Aircraft Points Log Book Easy Cockpit Export Help

FlightLog Map Flight F Update and check Flight Plan Log Book Tools Units + Preferences Web

Aircraft Info

7 Aircraft identification ZS 8 Flight rules Y ? Type of flight G ? ☐ Print Blank Form

9 Number 10 Equipment SG/C ?

11 Type of aircraft C182 ? Wake turbulence cat L ?

Route Info

13 Departure aerodrome Time

15 Cruising speed Level

Route

16 Destination aerodrome Total est. Alt. aerodrome 2nd alt. aerodrome

18 Other information Item 18 Select

RMK/SAR/NML

Supplementary Info

19 Endurance 04:50 Persons on board 003 Emergency Radios ☐ UHF ☐ VHF ☐ ELTA

Life Jackets ☒ None ☐ Light ☐ Flares ☐ UHF ☐ VHF

Survival Equipment ☒ None ☐ Desert ☐ Polar ☐ Maritime ☐ Jungle

Dinghies

None Number Capacity Cover Colour

☒ ☐ ☐ ☐ D

2000-2001

10-7330

Log Book

File Route/Aircraft Points Log Book Easy Cockpit Export Help

Flight Log Map Flight Plan Aircraft Data GPS Interface Log Book Tools **Units + Preferences** Weather

General Config Flight Log Map Map Colours Flight Plan **Log Book**

Log Book Display

Fonts

☐ Print using Small Font

☐ Use Narrow Font

Time Format Display

☒ Decimal (0.1)

☐ Hours:Minutes

☐ Decimal (0.01)

Logbook Display Size

☒ Normal ☐ Large ☐ Small

Lines per Page

☒ 21 ☐ 24

☐ 22 ☐ 25

☐ 23 ☐ 30

Log Book Selection

Active Log Book: LogBook.dat

Column Selection

☒ Display Instrument ☒ Display Copilot

☒ Display Instructor ☒ Display Landings

☒ Display Night ☒ Display Remarks

☒ Display Multi Engine ☒ Display CAR 91

☒ Display PICUS ☒ Display X Country

Log Book Functions

Remove All Page Breaks

Sort By Date

Page Setup

☐ Print Entire On One Page

☒ Print Summary On One Page

☐ Start Print on Right Page

☐ Leave Margin for Binding

☐ Print Single Sided

Set your preferences for the logbook layout!

Flight Log Map Flight Plan Aircraft Data GPS Interface Log Book Tools Units + Preferences Weather

Details Summary Application Forms Systems Files

Details

Date Of Application: 27/7/2014

First name / Surname:

RSA ID / Passport:

License No:

Date of Birth: 1/1/1980

☐ Permanent SA Resident

Population Group:

Gender:

Nationality:

Residential Address:

Postal Address:

Telephone:

Cellphone:

Fax:

Email Address:

Renewal Form

☐ Print Blank Form ☐ Initial Application

CAR1-03.4 PDL Road Wing CAR1-10.4 Night Rating

CAR1-04.4 PPL Hel CAR1-11.4 PPL Fixed and Hel

CAR1-05.4 Com Fixed Wing CAR1-12.4 Instructor Fixed Wing

CAR1-06.4 Com Hel CAR1-15.4 Instructor Hel

CAR1-07.4 ATPL Fixed Wing CA 83-02 Sport AC

CAR1-08.4 ATPL Hel

Print Endorsement SA CATS-PDL 51

Dates

License Expiry: 1/1/1980

Medical Expiry: 1/1/1980

Previous Skill Test: 1/1/1980

Current Skill Test: 1/1/1980

Revalidation Due: 1/1/1980

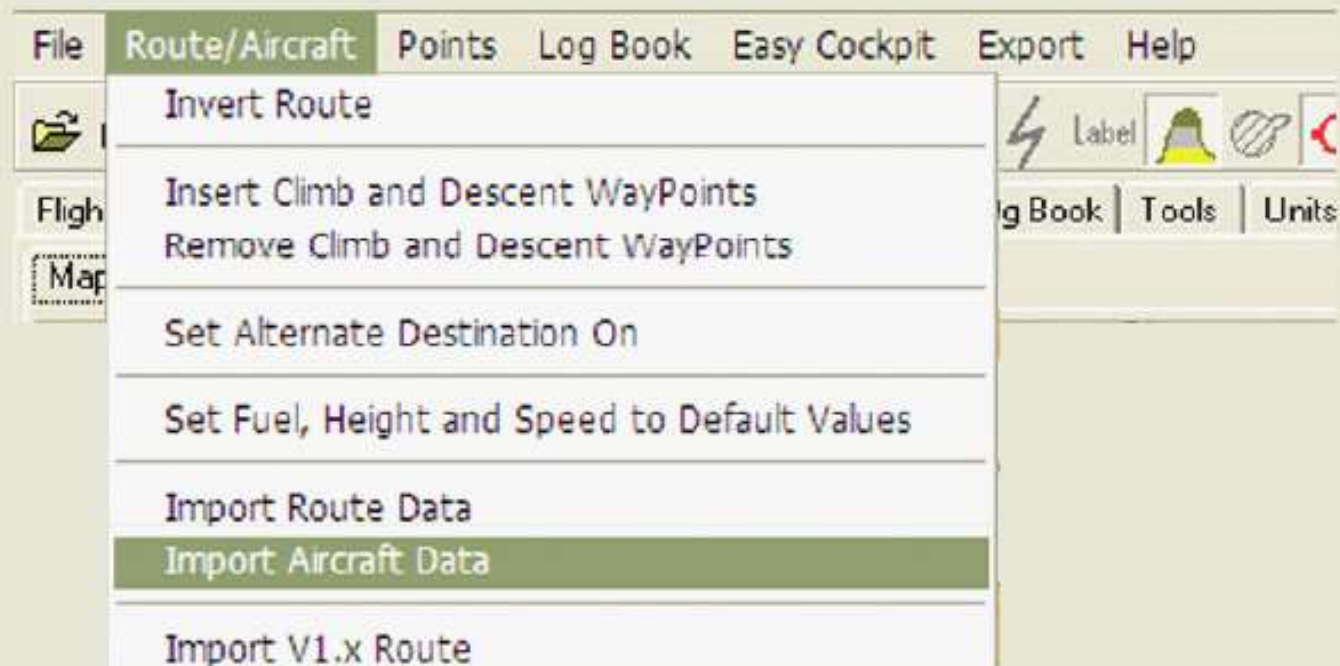
Fill in your personal details!

Create your aircraft Weight & Balance envelope.

1. Aircraft Limits
2. Aircraft Performance
3. Calculations



Have your aircraft operating manual ready !



Select a similar aircraft from the pull down menu

File Route/Aircraft Points Log Book Easy Cockpit Export Help



Flight Log Map Flight Plan **Aircraft Data** GPS Interface Log Book Tools Units + Preferences Weather

Calculations **Aircraft Limits** Aircraft Performance Aircraft Notes

Graph

☒ Weight - Moment

☐ Weight - Arm

Moment Scaling

☐ 1

☐ 10

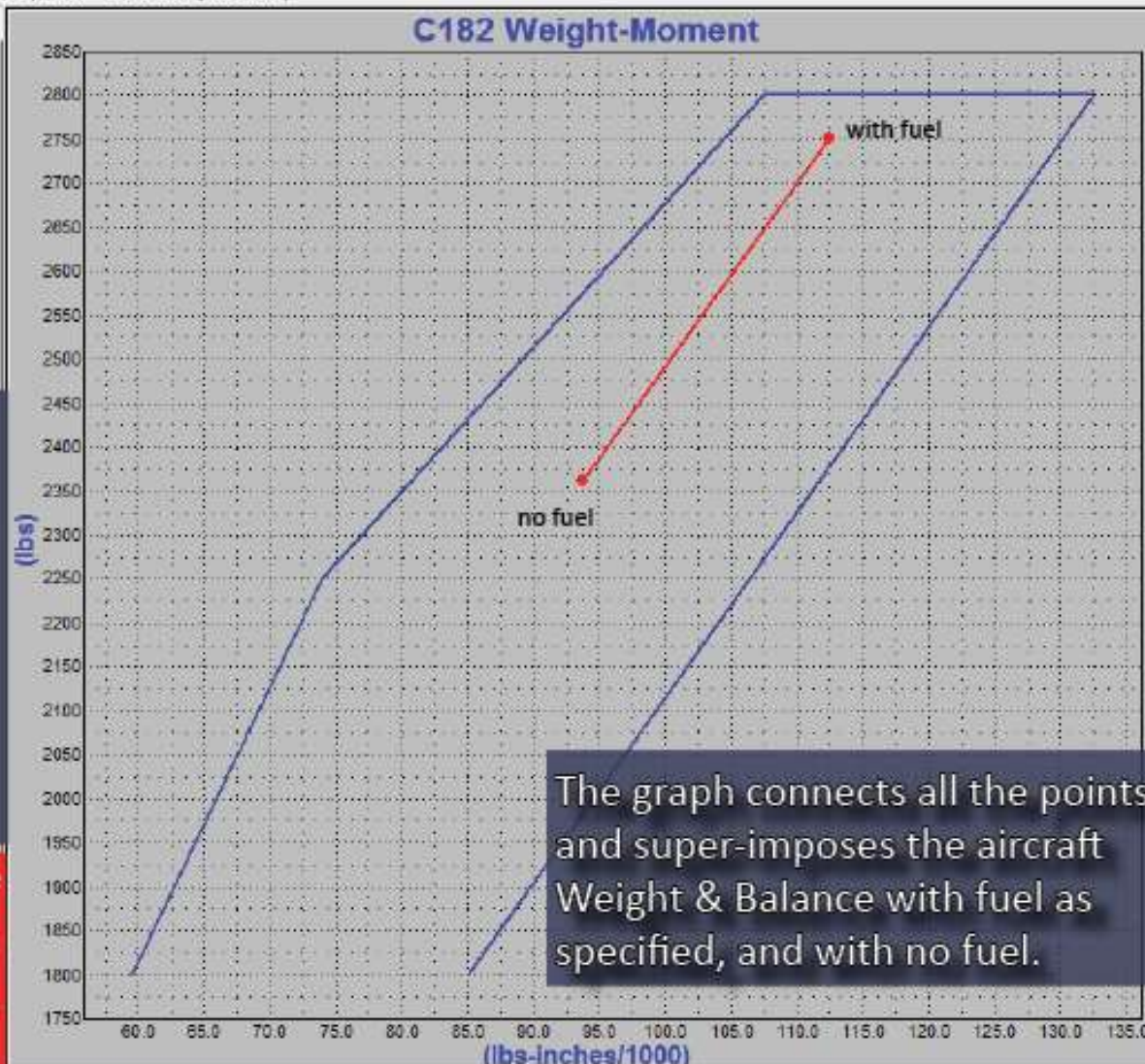
☐ 100

☒ 1000

Weight (lbs)	Arm (inches)	Moment (lbs-inches/1000)
1800	33.1	59.5
2250	32.9	74
2800	38.4	107.5
2800	47.3	132.5
1800	47.2	85

You need to add the performance figures from your aircraft operating manual to create the envelope.

Warning: The aircraft data provided in EasyPlan is there to represent an example weight and balance. In no way should the data be used in its current state for real planning purposes. Data needs to be adjusted according to each aircraft's particular manual to ensure accuracy, then saved in EasyPlan under that aircraft name/registration.



The graph connects all the points and super-imposes the aircraft Weight & Balance with fuel as specified, and with no fuel.

File Route/Aircraft Points Log Book Easy Cockpit Expert Help



Flight Log Map Flight Plan **Aircraft Data** PS Interface Log Book Tools Units + Preferences Weather

Calculations Aircraft List **Aircraft Performance** Aircraft Notes

Details

Type: C182

Registration: QS

Performance

Total Fuel Capacity Main Tanks: 0 (gal)
 Total Fuel Capacity Aux Tanks: 0 (gal)
 Fuel For Ground Maneuvering: 2 (gal)
 Unusable Fuel: 5 (gal)
 Contingency Fuel: 5 %
 Fuel Density: 6 (lb/gal)
 Climb Rate: 600 (fpm)
 Descent Rate: 600 (fpm)

	Climb	Level	Descent	
Fuel Consumption:	14	12	10	(gal/hr)
Speed:	100	125	145	(knots)

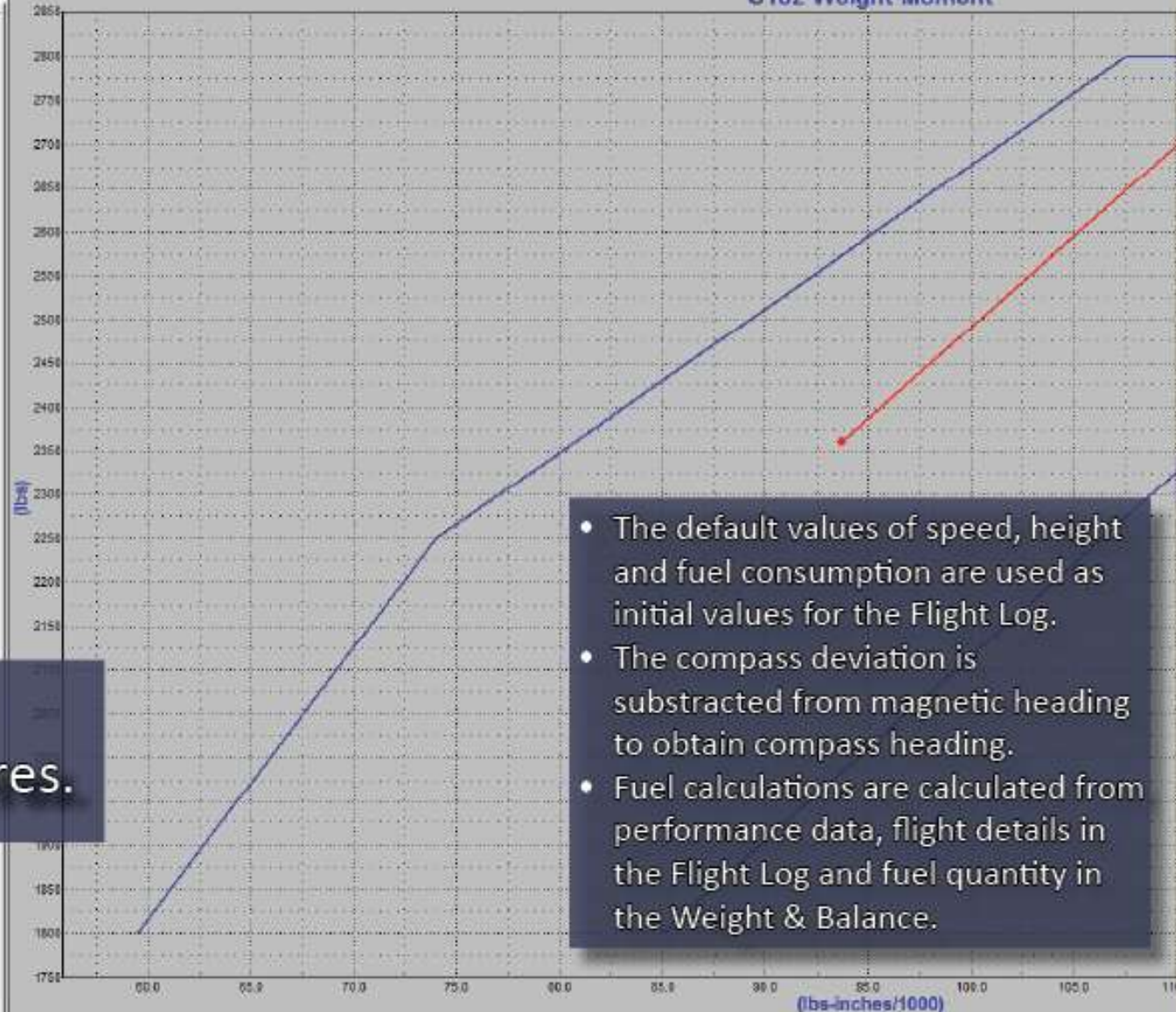
Compass Deviation

0 deg 0
 90 deg 0
 180 deg 0
 270 deg 0

Default Height

0-89 deg FL076
 90-179 deg FL076
 180-259 deg FL088
 270-359 deg FL088

C182 Weight-Moment



Add your aircraft performance figures.

- The default values of speed, height and fuel consumption are used as initial values for the Flight Log.
- The compass deviation is subtracted from magnetic heading to obtain compass heading.
- Fuel calculations are calculated from performance data, flight details in the Flight Log and fuel quantity in the Weight & Balance.



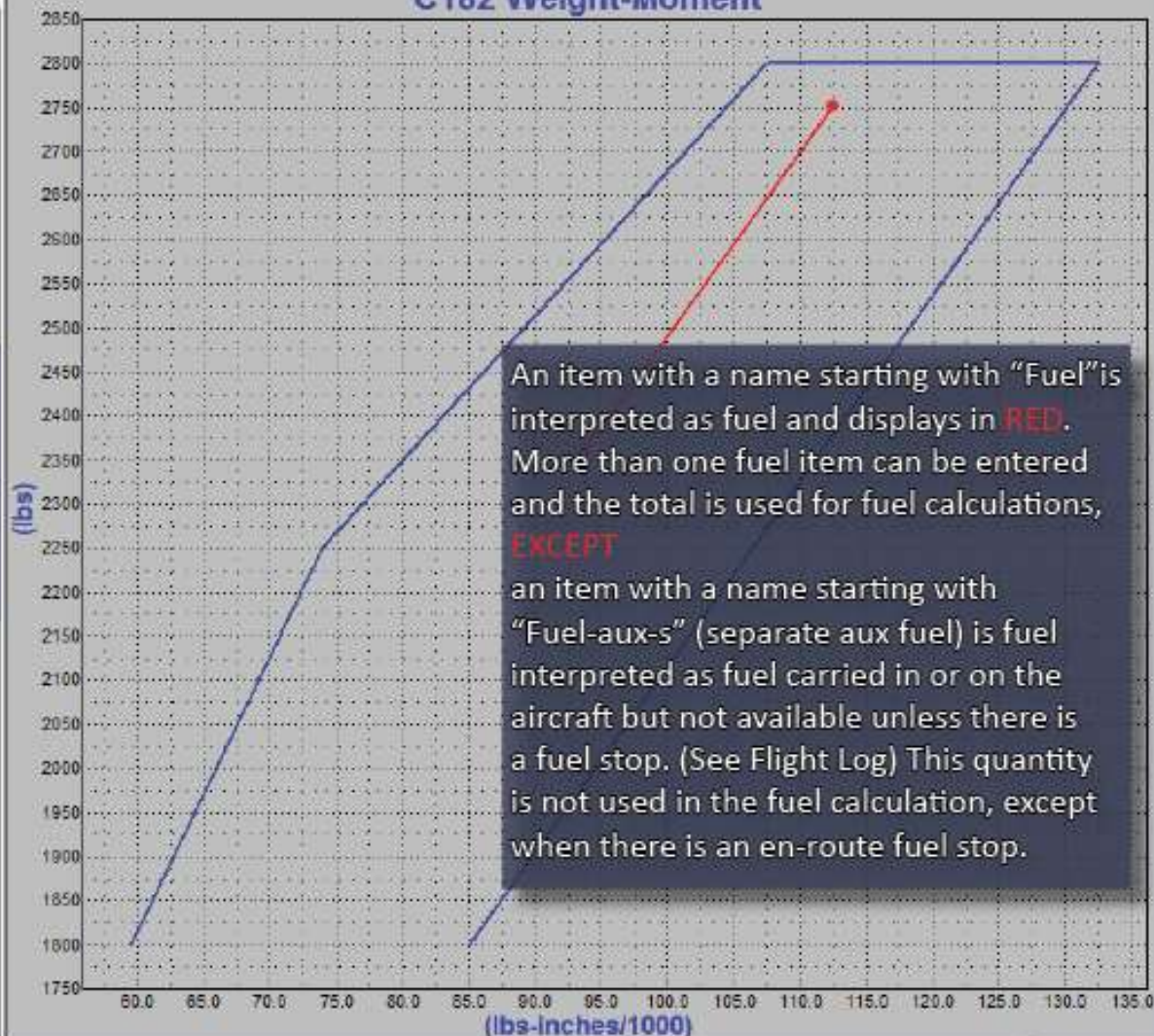
Item	Quantity (gal)	Unit Weight (lbs)	Total Weight (lbs)	Arm (inches)	Moment (lbs-inches/1000)
Aircraft	1	1786	1786	35.5	63.4
Fuel	85 (gal)	8	390	48.1	18.7
Front	1	175	175	35.9	6.3
Front	1	175	175	35.9	6.3
Back	1	175	175	74	13.0
Baggage 1	1	50	50	97	4.9
TOTAL			2751	40.9	112.5
Total - no fuel			2361	39.7	93.7

Now you can add your "actuals" for the planned flight!

FUEL CALCULATIONS

Unusable:	5 (gal)	
Taxi:	2 (gal)	
Flying:		
Trip:	00 hours 00 min	0 (gal)
Approach and Landing:	00 hours 00 min	0 (gal)
Contingency (5%):	00 hours 00 min	0 (gal)
Alternate:	00 hours 00 min	0 (gal)
Final Reserve:	00 hours 45 min	9 (gal)
Extra:	04 hours 05 min	49 (gal)
TOTAL USABLE:	04 hours 50 min	60 (gal)

C182 Weight-Moment



Now save these settings in your aircraft registration:

Save as: e.g. ZU-XXX Sling

These aircraft settings will automatically be called up when opening EasyPlan,
unless you would like to select another aircraft from
Route/Aircraft - "Import Aircraft data"