

GGC Flight Sheets

A glider flight logging program
April, 2013

Startup

When launched, the program presents the main Flight Sheet form. Start by entering three pieces of information at these locations:

- #1. Enter your name in the Flight Clerk field. If you don't enter your name, the program will still work, but it will beep and flash whenever you make changes.
- #2. Enter the flight sheet reference number from the paper flight sheet if you have one (this step may be dropped at some point).
- #3. If your location is not Bacchus Marsh, click the *Change* button and set the location as appropriate.

Flight Sheet

FileEditOptionsHelp

GEELONG
GLIDING CLUB

Flight Sheet

Date: 2013-04-19

Ref No: 0895

Airfield: Porepunkah

Change

Flight Clerk: Woudenberg, Eric

14:01

#5

Edit

Flight No

Pilot 1

Pilot 2

Tug

Glider

Take Off

Tug Down

Glider Down

Tow Time

Flight Time

Annual

Mutual

AEF Type

Charge To

Notes

Edit	1	Murphy, Junko	Murphy, Andrew	SSO Pawnee	OWL Puchacz	12:45	12:53	13:20	8	35		X		
Edit	2	Ryan, David	Power, Martin	MSA Super Cub	GPZ ASK13	13:30	13:39	GliderDown	9	32+				
Edit	3	Wroblewski, Andrzej		SSO Pawnee	XOC SZD Junior	13:55	TugDown		7+	7+				
Edit	4	Mosiejewski, Jarek	Ashford, John	MSA Super Cub	GHE Duo Discus	13:46	TugDown		16+	16+		X		
Edit	5	Petersen, Alvin			IUD Std Jantar 2	TakeOff								
Edit	6	Buelter, Rolf			PIK PIK-20E	13:59		GliderDown	0	2+				
New														

#4

Let's Log Flights!

Add new flights to the system by clicking *New* (#4). You can edit entries you've already made by clicking *Edit* (#5). As a shortcut for entering *Take Off*, *Tug Down*, and *Glider Down* times, click the button in these fields (#6) to set them to the current time.

Flight Entry Form

After clicking *New* or *Edit*, the flight entry form appears:

Flight Information

New Flight Information

Pilot1 Name

Mosiejewski, Jarek

Pilot2 Name

Ashford, John

Tug

SSO

MSA

TNC

WGG

Glider

GHE Duo Discus

GPZ

OWL

XOC

TakeOff

22:51:05

Clear

Tug Down

22:5

Clear

Glider Down

Clear

AEF/E&F

Mutual

Annual Check Okay

Charge To

-- Select from list or Type in --

Notes

DeLeTe

Cancel

OK

Information is entered in familiar fashion. The first few letters of the pilot's name or surname, or tug and glider registrations or names can be typed to directly select the desired entry or narrow the available entries to a matching set. Buttons are provided for the common tugs and gliders. For pilots and aircraft unknown to the club, simply key in the information verbatim – unrecognized data will be accepted as is. For people's names the preferred format is "Surname,_Firstname". For aircraft the tail registration is the critical part, but "Reg_Make_Model" is the most complete form.

The *TakeOff*, *Tug Down*, and *Glider Down* buttons will load the current time into their respective fields, while the neighboring *Clear* buttons will erase them. For typed-in time values, any of "h:mm", "h.mm", "h mm", or "hhmm" may be used. If the system cannot understand a time value input, the field will be highlighted in yellow.

AEF/F&F are for flights involving non-club members. Mutual is for flights where both parties are splitting fees. Annual Check Okay indicates that the pilot passed their annual check with this flight. Charge To is for the case where a third person is paying the gliding fee. Notes is to handle any further details.

File Management

Rather than offering the usual user-initiated *Open* and *Save* operations for working with files, the program performs file management transparently. The user's view is of a distinct flight sheet for each day and each airfield. Each sheet is stored in a single .csv file. When the program is started it creates that day's flight sheet. Any time the program is restarted, it reopens the flight sheet for that day. Any changes are saved to the sheet's csv file as soon as they are made and hence no *Save* command is provided.

Access to archived flight sheets (from previous days or other airfields) is available through the *File* menu:

FileEditOptionsHelp

Access Archive

Open Archived Flight Sheet ...

Exit

ate: 2013-04-16

Airfield: Ba

Features and Tips

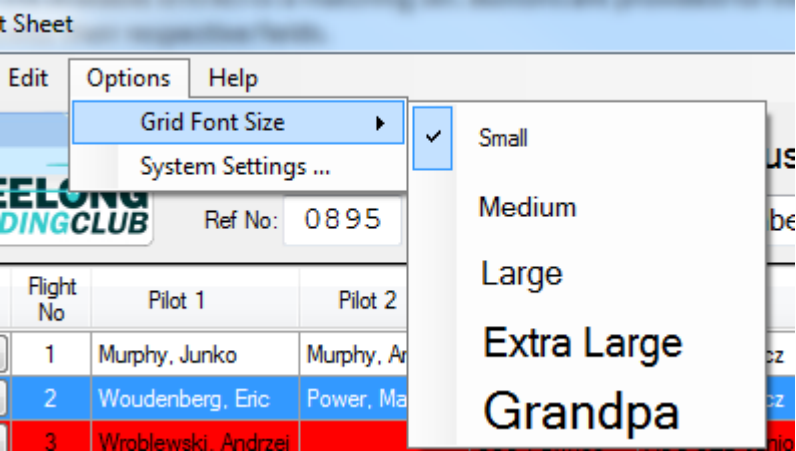
There are several features built into the program to improve ease-of-use.

- The system color-codes entries:
 - White: completed flight
 - Green: awaiting take off

- Yellow: in tow
 - Blue: tug down, glider in flight
 - Red: tug not down after 10 minutes (settable threshold). Alert message also flashes on top of screen.
- All the information from a previous flight (minus the times) can be used to create a new entry by right-clicking on the entry and selecting *Duplicate this ...*:

Edit	Flight No	Pilot 1	Pilot 2	Tug	Glider	Take Off	Tug Down	Glider Down	Tow Time	Flight Time	Annual	Mutual
Edit	1	Murphy, Junko	Murphy, Ar	Pawnee	OWL Puchacz	12:45	12:53	13:20	8	35		X
Edit	2	Ryan, J		A Super Cub	GPZ ASK13	13:30	13:39	GliderDown	9	520+		
Edit	3	Wroblewski, Andrzej		Pawnee	XOC SZD Junior	13:55	TugDown		495+	495+		

- Clicking on the column header will sort all entries by that column. Click on the Flight Number column to return to “native” order.
- Double-clicking on an entry is equivalent to clicking the *Edit* button.
- New flights can be added with Ctrl-N (“New”)
- The Grid’s font size can be changed:



Shortcut Keys

In addition to the normal windows ALT-based “Accelerator” keys, several keyboard shortcuts allow data entry and editing to be performed without the mouse. For the functions that operate on a single flight, one cell from that flight’s row must be selected.

- Up, down, left and right arrows: navigate the grid
- CTRL-N: create a new flight
- CTRL-E: edit the current flight
- CTRL-D: duplicate the current flight
- CTRL-DEL: delete the current flight
- SPACEBAR: push the selected cell’s button (TakeOff, etc.)

In the Flight Editor form, ALT-shortcuts are available to move around the form and additionally, CTRL-RETURN is equivalent to pushing the OK button.

Comments

- The flight clerk can be changed at any time. Whenever a new flight is created, the current Flight Clerk is attached to the record.
- Suggestions welcome. I especially appreciate ideas that improve things through simplification.

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April, 2013
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