

# EXT: OLC Flights

Extension Key: mb\_olc\_flights

Language: en

Version: 0.0.1

Keywords: soaring, olc statistics, flights, display

Copyright 2012, Martin Becker, <vbmazter@web.de>

This document is published under the Open Content License  
available from <http://www.opencontent.org/opl.shtml>

The content of this document is related to TYPO3  
- a GNU/GPL CMS/Framework available from [www.typo3.org](http://www.typo3.org)

# Table of Contents

<b>EXT: OLC Flights.....</b>	<b>1</b>	Remark.....	6
<b>Introduction.....</b>	<b>3</b>	Installation.....	6
What does it do?.....	3	<b>Configuration.....</b>	<b>7</b>
Screenshots.....	3	Template Setup.....	7
<b>Users manual.....</b>	<b>4</b>	Typoscript Reference.....	8
Which flights are shown in the frontend?..	4	HTML Template.....	9
Prerequisites.....	4	<b>Tutorial.....</b>	<b>10</b>
Usage.....	4	<b>Known problems.....</b>	<b>11</b>
FAQ.....	5	<b>To-Do list.....</b>	<b>12</b>
<b>Administration.....</b>	<b>6</b>	<b>Acknowledgement.....</b>	<b>13</b>
		<b>ChangeLog.....</b>	<b>14</b>

# Introduction

## What does it do?

This extension displays gliding, paragliding and hanggliding flight statistics on your homepage. For example a list of recent flights including pilot and aircraft name, traveled distance, duration, average speed and more. It could be interesting for aviation clubs, to show the latest competition flights and also the club's best flight of the year.

All data is fetched from the Online Contest (OLC, <http://www.onlinecontest.org>) and can be freely arranged with HTML templates.

It's easy to use: all you need is your OLC club ID, your country ID and the year. Additionally this extension supports to link the aircraft entry to a detail page and a photo.

## Screenshots

Here you see what the extension does in the frontend (year's best flight and a listing of the last active competition day):



*Fig. 1: Frontend output, parametrizable with HTML templates*

The link to the aircraft as well as the image are matched to an image/link table, such that a visitor reaches the aircraft details when clicked.

# Users manual

This extension is meant to be used for aviation clubs and therefore its output is limited to one club at a time only. The data is taken from <http://www.onlinecontest.org>. If your aviation club has no flights registered there, then this plugin is unfortunately not for you.

## Which flights are shown in the frontend?

The output, which is rendered in the frontend, comprises of two parts:

1. **Best flight (optional):** The best flight of the current year in terms of distance.
2. **Flight list:** Configurable list of flights, e.g. all from the last n days.

Both are limited to one aviation club.

## Prerequisites

To use the plugin, you need to find out your aviation club's ID at OLC.

That can be easily obtained by visiting <http://onlinecontest.org> and navigating to the page where your club's statistics are shown. The URL of the page could be similar to <http://www.onlinecontest.org/olc-2.0/gliding/flightsOfClub.html?cc=1677&st=olcp&rt=olc&c=DE&sc=th&sp=2012>

Where the club ID is "1677" here. This identifier is needed in the template setup later.

## Usage

At first let your admin go through the configuration as explained in the other chapter, or this extension won't work. An extension template needs to be created, which sets the club ID and country ID mentioned before. Then come back here.

When the configuration is completed, you may add the plugin to a page (which reaches the template setup, of course). Everything from here is easy now.

The flexform options in the backend are:

Fig. 2: Flexform options in backend

Fig. 2: Flexform options in backend

- **Show Best:** if selected, the current year's best flight (largest distance) is rendered.
- **Number of Days back:** if  $> 0$ , then the flight list will contain only those flights which were conducted at most that much days back from today. Mutual exclusive with "only last day".
- **Only Last Day:** if selected, then the flight list contains all flights from the last active competition day. Mutual exclusive with "number of days back".
- **Limit:** In all cases, if  $> 0$ , then the number of flights in the list is limited to that much entries.

## FAQ

### When does the plugin update the flight data?

That depends. It is defined by the cache settings of the page, which contains the plugin. That is, if you want to refresh the flights once a day, your page has to invalidate its cache once a day.

# Administration

## Remark

This extension does not use any tables, instead it leverages TYPO3's caching framework. Fetching and parsing the flight statistics from OLC takes some fair amount of time, which is why the caching is essential here. Remember that clearing the cache requires to re-fetch the OLC data again, which makes the page including the plugin slow.

The cache settings of the page define the update rate of the plugin, that is, if you select the cache to expire once a day, this plugin will fetch OLC statistics once a day.

## Installation

1. Install the extension from TER.
2. In the rootline of the pages containing this plugin, an extension template is required, that defines your aviation club ID, country and so on. More details are given in the subsequent section.
3. Add the plugin to the page(s) where needed.

# Configuration

This chapter describes the installation, TypoScript setup options in templates and the basic configuration options. It is required to be completed, otherwise the extension can't work.

## Template Setup

For this extension a template setup is required. It defines the ID of your aviation club, as well as country, type of OLC statistics and optionally an aircraft mapping. See section "prerequisites" how to obtain these.

1. Create a new extension template, the easiest way is to create it at some place and include it in your root page.
2. If you want to use the shipped CSS styles, add the static template "OLC Flights default CSS" to the inclusion list of this new template.
3. Add the setup to the setup field in the template (see figure)

TODO

## Example Setup

An example template setup could be as follows:

```
plugin.tx_mbolcflights_pil {
    # club ID
    club = 1677

    # country
    country = DE

    # type \in {olc-league, olcp}
    olctype = olcp

    # custom HTML template relative to PATH_site
    # template=fileadmin/olc_flights_template.html
}
```

This is a minimal setup. It defines your aviation club to be "Aeroclub Frankenhausen" (club ID=1677), and your country to be Germany (country=DE). Furthermore the chosen type of OLC statistics is "OLC plus" here (olctype=olcp).

The line `template=...` is only necessary, if you don't like the default HTML template. In this case, to customize the appearance in the frontend, point to a local HTML template here. You may copy `res/template.html` from the extension's folder and modify it according to your needs.

## The Aircraft Mapping

This extension comes with a sophisticated feature, which permits to add links to the aircrafts and also images of them in the frontend via a so-called "aircraft mapping". For example, with the setup below, if a flight was conducted with a "Jeans Astir" glider, then the aircraft's name is linked to `fileadmin/astir.html` (which may contain technical data of the aircraft), and the template marker `###AC_LINK_PIC###` is replaced with the picture `fileadmin/astir.jpg` of the aircraft.

To define such a mapping, add something like below to your template setup:

```
#mapping of A/C names to links and images
```

```

plugin.tx_mbolcflights_pi1 {
    ac_mapping {
        astir1 {
            name = astir
            link = fileadmin/astir.html
            img = fileadmin/astir.jpg
        }
        dg505 {
            name = DG 505
            link = http://my-aviation-club.org/aircraft.html#dg505
        }
        ls4 {
            name = LS 4
            # links to index.php?id=64#here
            link = 64,here
            img = fileadmin/ls4.jpg
        }
        default {
            # this is applied when no other fits
            name = default
            img = fileadmin/nopic.jpg
        }
    }
}

```

The elements within “ac\_mapping”, as “astir1” can be named freely. Each represents one aircraft. Within these, there exist three properties:

- **name:** A string holding the aircraft's name. This string is similarity-matched against the OLC statistics. E.g. “Astir” is similar enough to be assigned to “Astir CS”. The aircraft with the highest similarity is matched.
- **img:** if the name is matched, then this picture is taken to fill the marker `###AC_LINK_PIC###`. The name “default” is reserved. If you add an aircraft with this name, then the according image and link are assigned, in case no other name is matched. If no default is given, then no image or link will appear.
- **link:** if the name is matched, then it is linked to this page. The page can be either a valid URL, or a TYPO3 page, identified by its ID and optionally an anchor within that page. The syntax is `<pid[,anchortname]>`.

## Typoscript Reference

Property:	Data type:	Description:	Default:
<b>ac_mapping</b>	array	Defines the aircraft mapping, see section “The Aircraft Mapping”.	(empty).
<b>club</b>	integer	The OLC identifier of your aviation club. <b>Required.</b>	(empty).
<b>country</b>	string	The OLC identifier of your country.	DE
<b>img_maxw</b>	integer	Aircraft image maximum width.	140
<b>img_maxh</b>	integer	Aircraft image maximum height.	140
<b>olctype</b>	string	Selects the type of OLC statistics that is shown. <b>Syntax:</b> <code>[olcp]   [olc-league]</code>	olcp
<b>olc_baseurl</b>	string	The base URL of the OLC statistics. Usually not required to be set, except if it changes one day.	<a href="http://www.onlinecontest.org/olc-2.0/gliding">http://www.onlinecontest.org/olc-2.0/gliding</a>
<b>template</b>	string	A valid relative file path to a custom HTML template. If set, this template is used to render the plugin output, instead of the default one.	EXT:mb_olc_flights/res/template.html



## HTML Template

You can use your own HTML template by pointing to it in the TS setup, see previous section. The template is scanned for the following subparts:

- **LISTVIEW:** currently the only view that we have.

For a better understanding, have a look at the shipped template in `res/template.html`.

### The List View

This subpart is rendered when the plugin is called in list view. The following markers are supported:

Marker:	Description:
<b>###TIME_START###</b>	When the flight began.
<b>###TIME_END###</b>	When the flight ended.
<b>###DURATION###</b>	The duration of the flight in the format "hh:mm".
<b>###DATE###</b>	The date of the flight.
<b>###NAME###</b>	The name of the pilot.
<b>###LINK###</b>	Link to the OLC flight data (route, legs etc.).
<b>###AC_LINK_TXT###</b>	If aircraft mapping has been configured, then this is replaced with a link to the aircraft's details. Otherwise it is replaced by the aircraft's name.
<b>###AC_LINK_PIC###</b>	Only nonempty, if aircraft mapping has been configured. Then this is replaced by an image of the aircraft, wrapped in a link to the detail page.
<b>###TITLE_LIST###</b>	This is replaced with the title of the flight list. Depending on the type of list that was chosen, this could be "Flights in the last ... days" or "Flights from <date>"...
<b>###SPEED###</b>	The average speed in km/h.
<b>###DISTANCE###</b>	The traveled distance.

# Tutorial

This chapter describes briefly how to configure the plugin to show the output as seen in the following figure:

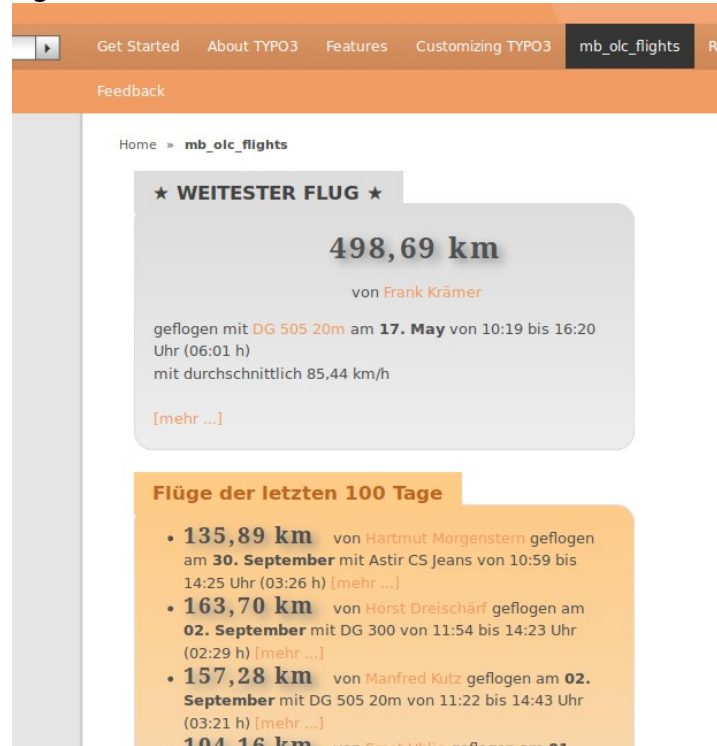


Fig. 3: The goal for this tutorial

We will use the shipped CSS and picture to get some result like that. Make sure that your template setup includes "OLC Flights default CSS" and that no template file is set in the template setup.

Images and links to aircraft are not included here, for the sake of simplicity. Read up in the previous section how to add them.

TODO

# Known problems

The extension just started out. There was only little testing, therefore bugs are expected. Here is what I know:

- Image scaling does not take effect.

The functionality is very limited yet; feel free to propose extensions of your daily needs, as well as bugs to me at:

[TYP03 Forge link to project.](#)

# To-Do list

- **Add per-pilot display type:** If a pilot's name is clicked, instead of forwarding to OLC, forward to an internal page with this plugin in “pilot” mode, listing all of his/her flights.
- Localize comma

This extension should become much more flexible. Perhaps a database table can be added some day, to do more magic with the statistics (a flight calendar, yearly summary, detail page per pilot etc.).

[TYPO3 Forge link to project.](#)

# Acknowledgement

This extension uses the package 'simple\_html\_dom' from S.C. Chen, John Schlick and Rus Carroll, <http://sourceforge.net/projects/simplehtmldom>.

# ChangeLog

Version:	Changes:
<b>0.0.1</b>	Initial version.